

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056589.D
 Acq On : 3 Jul 2019 16:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:08:03 AM

Quant Time: Jul 03 23:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	295200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	387708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	158629	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.59	113	140180	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	518917	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	184075	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116567	46.634	ug/l	99
3) Chloromethane	2.06	50	149895	44.042	ug/l	99
4) Vinyl Chloride	2.18	62	150293	45.720	ug/l	98
5) Bromomethane	2.52	94	85357m	44.292	ug/l	
6) Chloroethane	2.67	64	85755	45.047	ug/l	100
7) Trichlorofluoromethane	3.00	101	206925	48.663	ug/l	100
8) Diethyl Ether	3.41	74	90533	50.307	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	136283	50.257	ug/l	99
10) Methyl Iodide	3.95	142	173998	47.475	ug/l	99
11) Tert butyl alcohol	4.79	59	146791	266.388	ug/l	100
12) 1,1-Dichloroethene	3.73	96	125348	48.068	ug/l	98
13) Acrolein	3.60	56	102666	221.059	ug/l	99
14) Allyl chloride	4.32	41	226434	52.162	ug/l	99
15) Acrylonitrile	4.99	53	397180	260.538	ug/l	100
16) Acetone	3.82	43	387070	236.136	ug/l	99
17) Carbon Disulfide	4.05	76	245345	41.364	ug/l	100
18) Methyl Acetate	4.32	43	172389	53.761	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	452180	52.403	ug/l	99
20) Methylene Chloride	4.55	84	149287	48.281	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	134185	47.727	ug/l	100
22) Diisopropyl ether	5.95	45	497746	54.598	ug/l	96
23) Vinyl Acetate	5.89	43	2015351	280.278	ug/l	100
24) 1,1-Dichloroethane	5.84	63	269544	51.506	ug/l	99
25) 2-Butanone	6.83	43	599300	276.243	ug/l	100
26) 2,2-Dichloropropane	6.82	77	200599	55.114	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	165771	50.396	ug/l	97
28) Bromochloromethane	7.19	49	124802	48.214	ug/l	97
29) Tetrahydrofuran	7.21	42	363256	273.996	ug/l	98
30) Chloroform	7.37	83	269627	52.214	ug/l	99
31) Cyclohexane	7.65	56	235781	46.669	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	212936	52.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193754	50.052	ug/l	100
37) Ethyl Acetate	6.93	43	213076	56.011	ug/l	99
38) Carbon Tetrachloride	7.77	117	177795	52.522	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	237874	49.800	ug/l	99
40) Benzene	8.04	78	605941	50.888	ug/l	98
41) Methacrylonitrile	7.18	41	105823	62.995	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	199736	50.828	ug/l	100
43) Isopropyl Acetate	8.17	43	340213	57.997	ug/l #	93
44) Trichloroethene	8.83	130	159432	49.705	ug/l	99
45) 1,2-Dichloropropane	9.12	63	169186	53.129	ug/l	98
46) Dibromomethane	9.21	93	103695	52.048	ug/l	99
47) Bromodichloromethane	9.40	83	200374	56.707	ug/l	96
48) Methyl methacrylate	9.20	41	167850	57.100	ug/l	96
49) 1,4-Dioxane	9.20	88	67807	1111.543	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1089399	287.734	ug/l	99
52) Toluene	10.15	92	372467	51.164	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	214547	52.008	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	245682	57.738	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	157085	53.682	ug/l	98
56) Ethyl methacrylate	10.43	69	247798	57.945	ug/l	99
57) 1,3-Dichloropropane	10.71	76	264535	53.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	630637	410.489	ug/l	99
59) 2-Hexanone	10.75	43	851201	305.892	ug/l	100
60) Dibromochloromethane	10.90	129	156454	51.921	ug/l	99
61) 1,2-Dibromoethane	11.00	107	158907	53.170	ug/l	100
64) Tetrachloroethene	10.63	164	148011	48.207	ug/l	99
65) Chlorobenzene	11.43	112	403227	51.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150456	57.143	ug/l	99
67) Ethyl Benzene	11.51	91	723661	52.903	ug/l	99
68) m/p-Xylenes	11.62	106	539147	107.549	ug/l	98
69) o-Xylene	11.95	106	263911	53.213	ug/l	100
70) Styrene	11.96	104	452291	57.054	ug/l	99
71) Bromoform	12.13	173	111739	52.441	ug/l #	99
73) Isopropylbenzene	12.25	105	706475	52.552	ug/l	99
74) N-amyl acetate	12.07	43	288954	50.594	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	233423	56.329	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	202204m	54.342	ug/l	
77) Bromobenzene	12.53	156	183603	45.757	ug/l	96
78) n-propylbenzene	12.59	91	807760	49.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	477163	53.110	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	601617	53.426	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63986	61.118	ug/l	94
82) 4-Chlorotoluene	12.77	91	474723	48.926	ug/l	99
83) tert-Butylbenzene	12.99	119	515363	52.508	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599918	49.660	ug/l	99
85) sec-Butylbenzene	13.17	105	687160	47.574	ug/l	100
86) p-Isopropyltoluene	13.29	119	632331	51.011	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315232	51.840	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	304687	51.737	ug/l	99
89) n-Butylbenzene	13.61	91	532640	56.760	ug/l	100
90) Hexachloroethane	13.87	117	93254	48.254	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	313069	51.892	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41100	61.898	ug/l	97

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VSTDCCC050

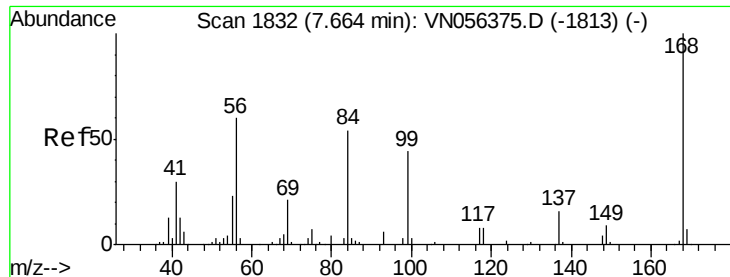
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177290	55.708	ug/l	99
94) Hexachlorobutadiene	15.01	225	109150	53.518	ug/l	99
95) Naphthalene	15.13	128	483703	57.974	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	186480	56.630	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 295200

Ion Ratio Lower Upper

168 100

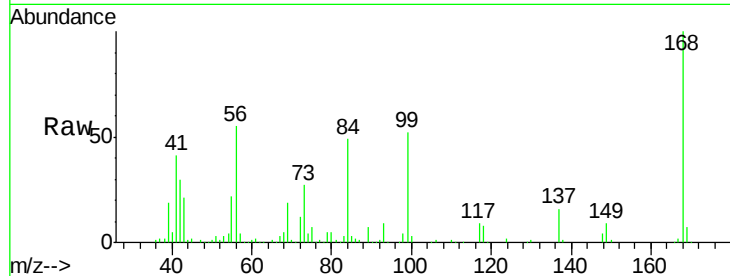
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Manual Integrations

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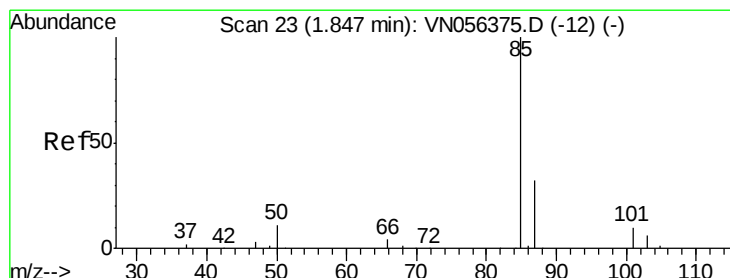
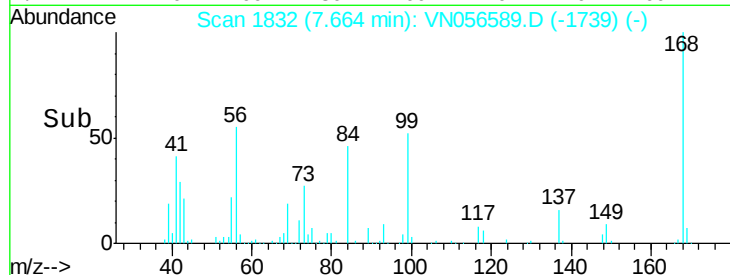
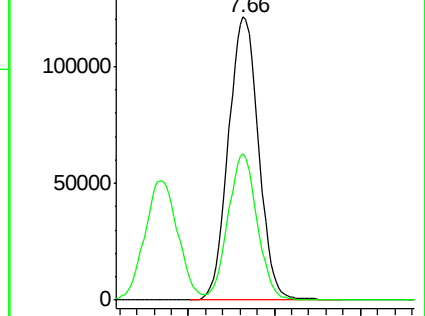
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.634 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056589.D

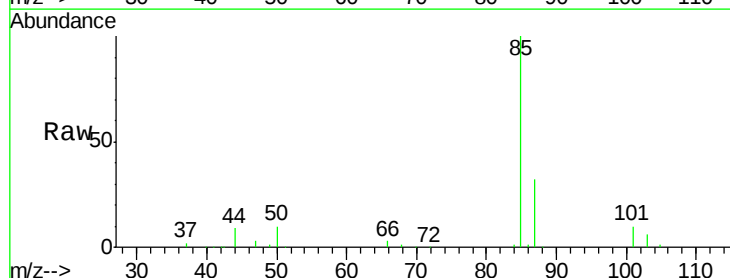
Acq: 3 Jul 2019 16:41

Tgt Ion: 85 Resp: 116567

Ion Ratio Lower Upper

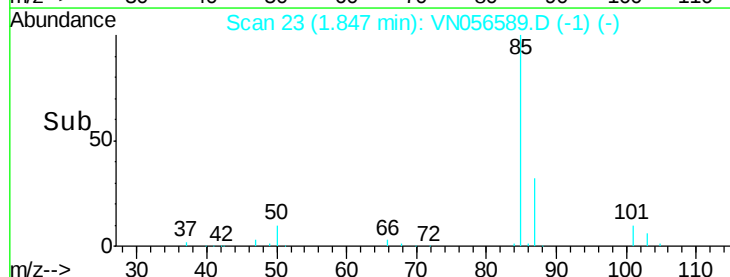
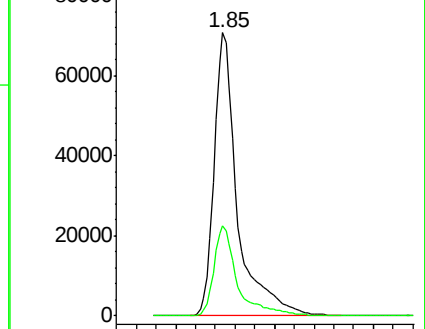
85 100

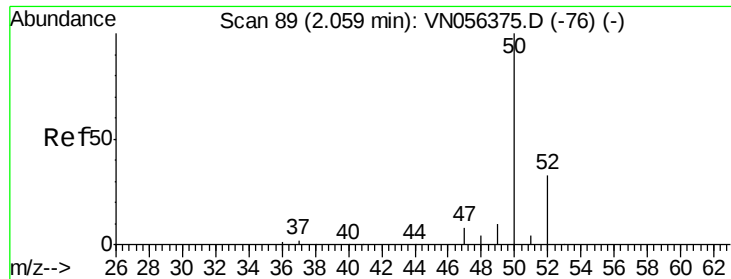
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.042 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 149895

Ion Ratio Lower Upper

50 100

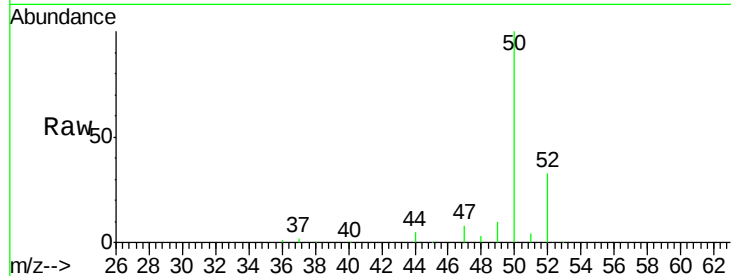
52 32.6 26.5 39.7

Manual Integrations

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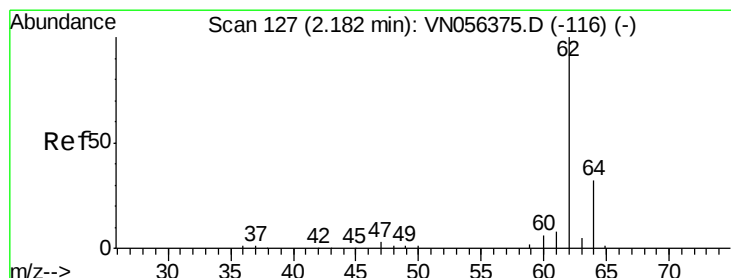
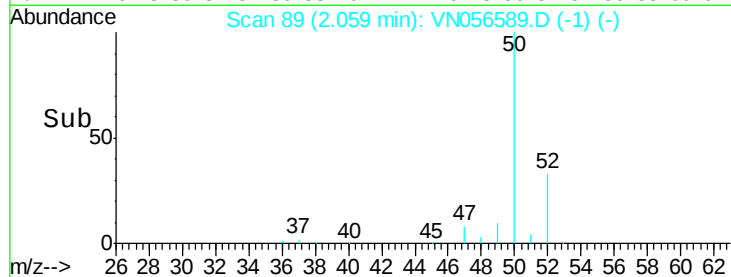
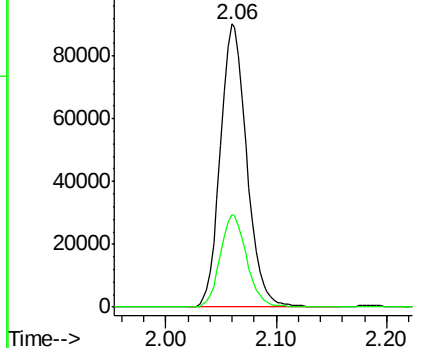
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.720 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056589.D

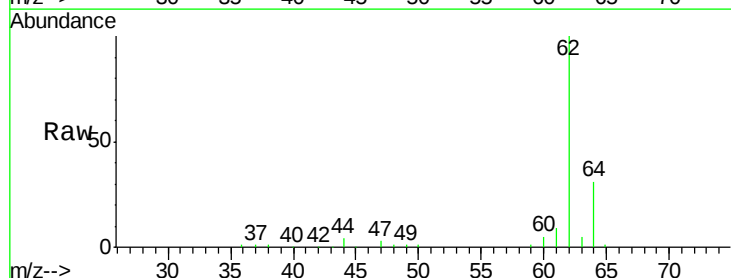
Acq: 3 Jul 2019 16:41

Tgt Ion: 62 Resp: 150293

Ion Ratio Lower Upper

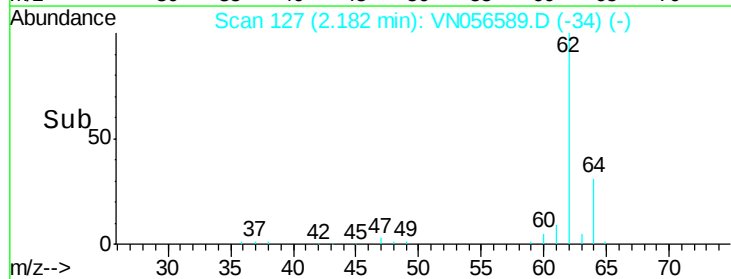
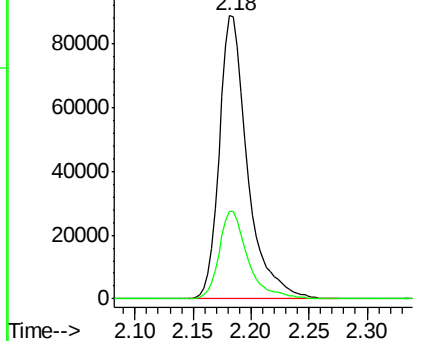
62 100

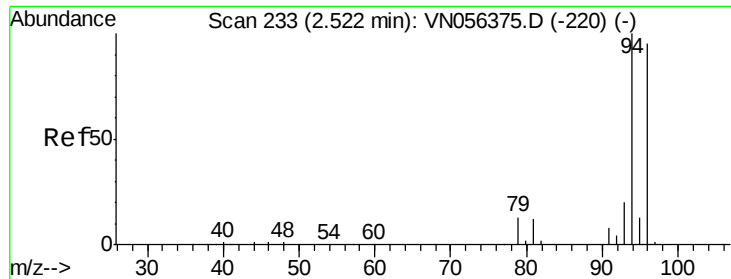
64 30.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 44.292 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 85357

Ion Ratio Lower Upper

94 100

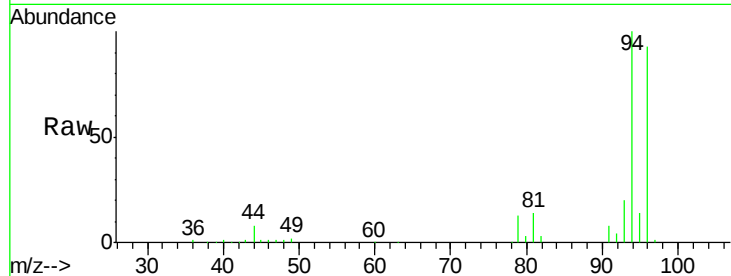
96 92.6 76.0 114.0

Manual Integrations

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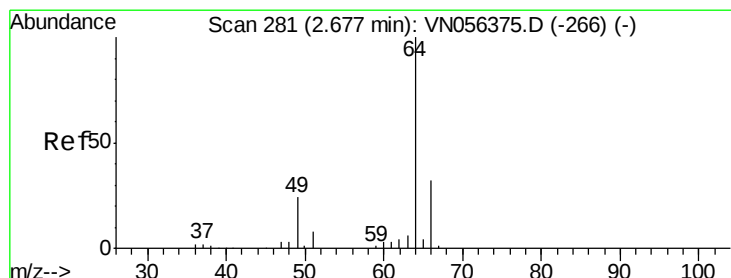
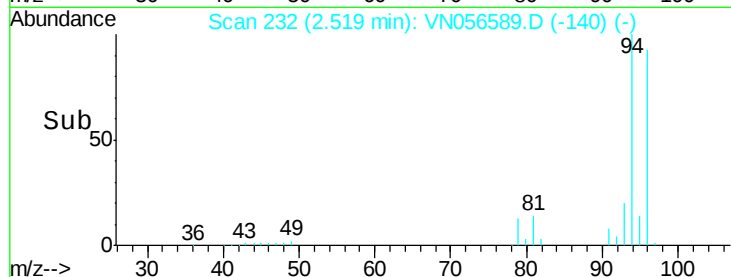
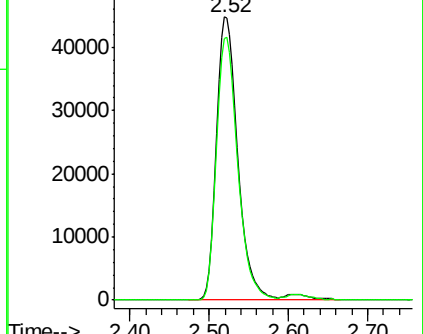
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.047 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN056589.D

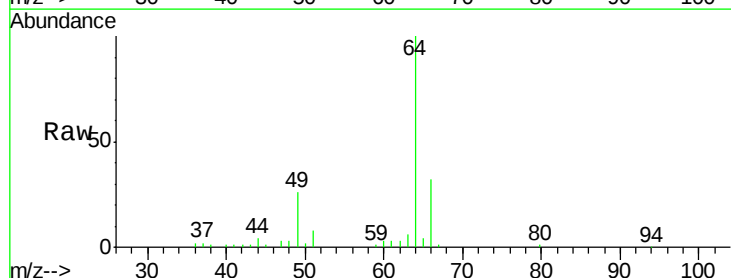
Acq: 3 Jul 2019 16:41

Tgt Ion: 64 Resp: 85755

Ion Ratio Lower Upper

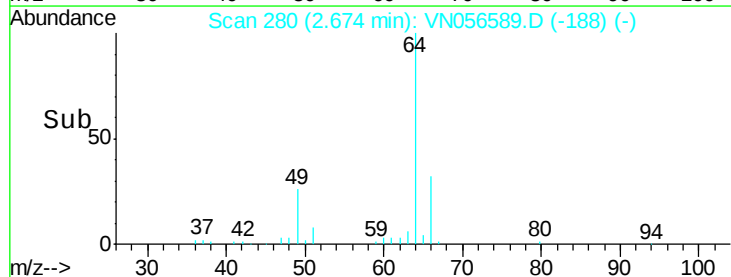
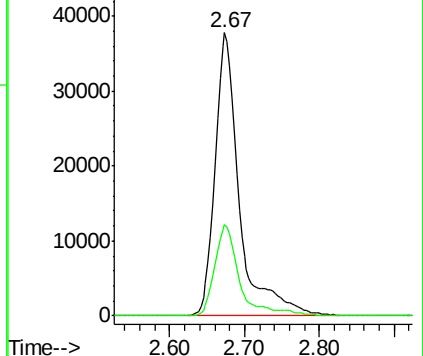
64 100

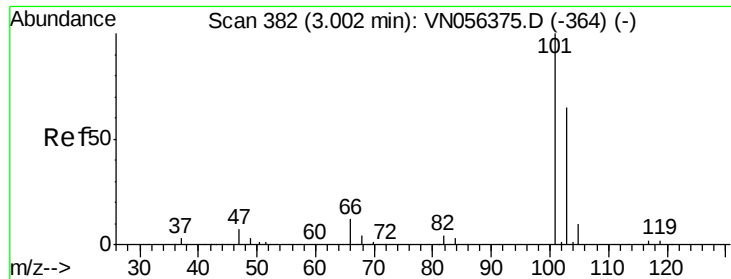
66 32.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

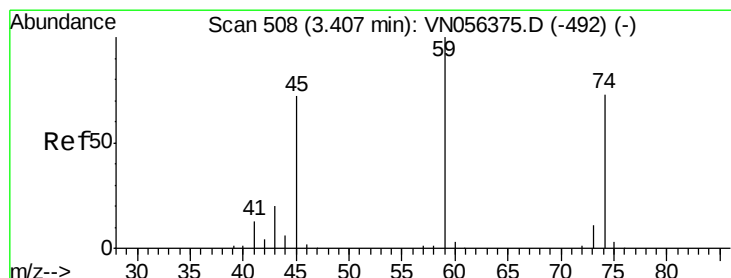
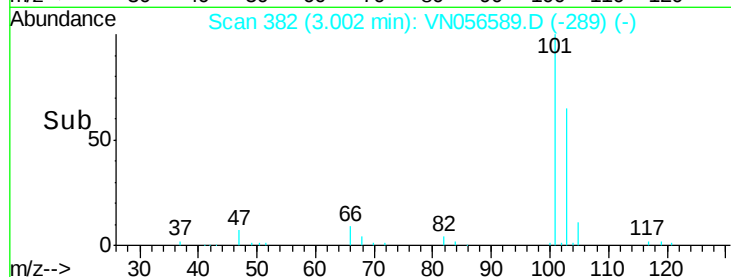
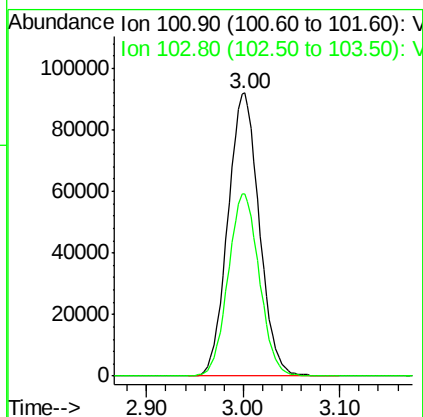
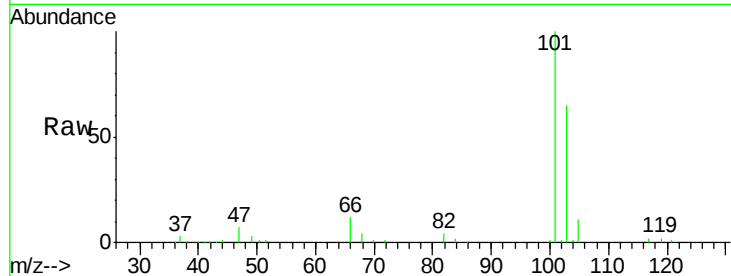
Trichlorofluoromethane
 Concen: 48.663 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 206925
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

Manual Integrations
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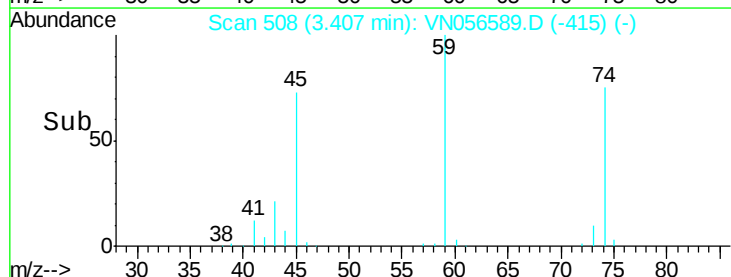
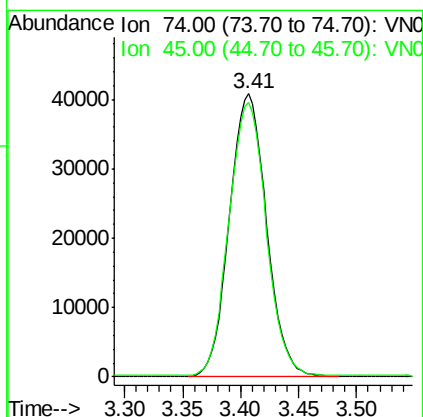
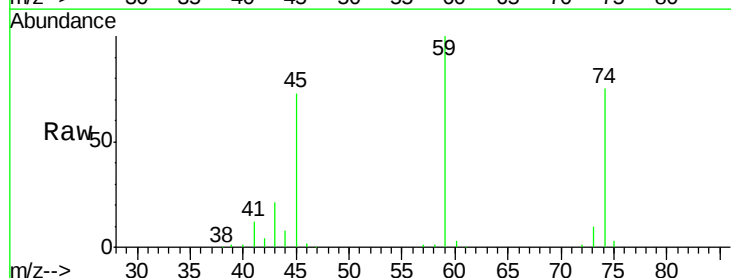
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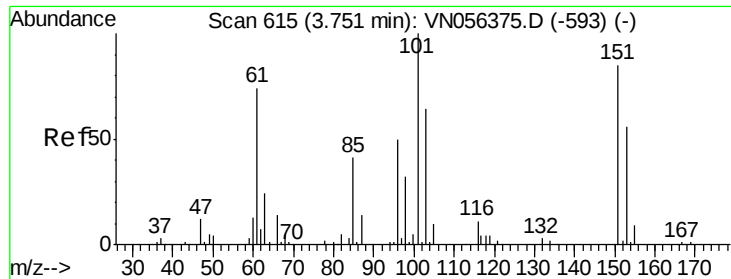


#8

Diethyl Ether
 Concen: 50.307 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion: 74 Resp: 90533
 Ion Ratio Lower Upper
 74 100
 45 97.1 48.9 146.6





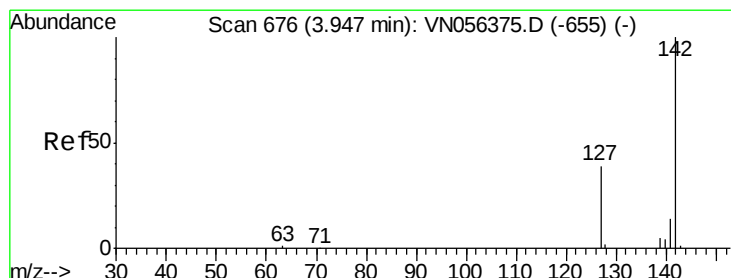
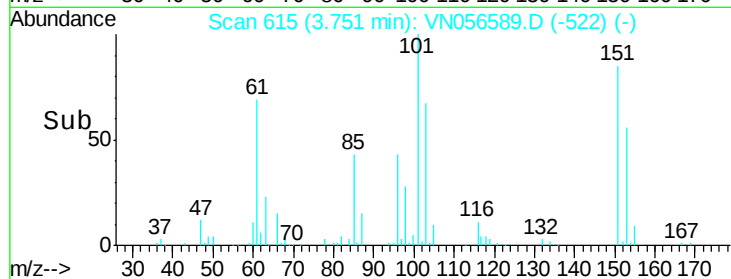
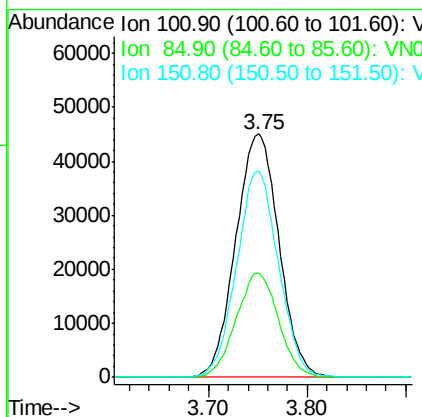
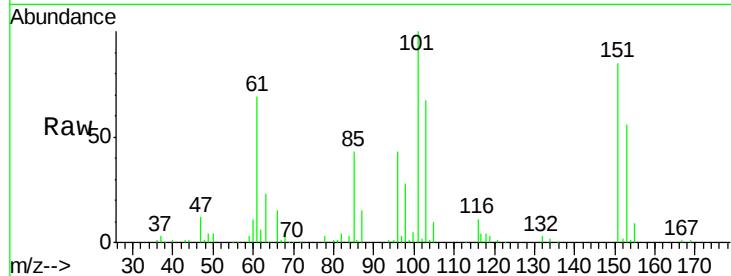
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.257 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	32.7	49.1
151	82.3	66.8	100.2

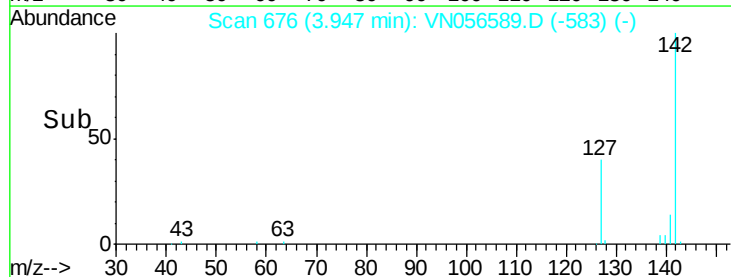
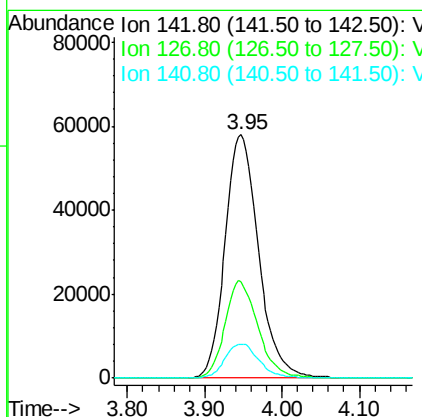
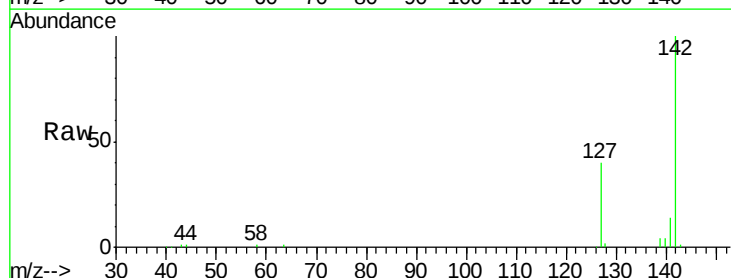
Manual Integrations
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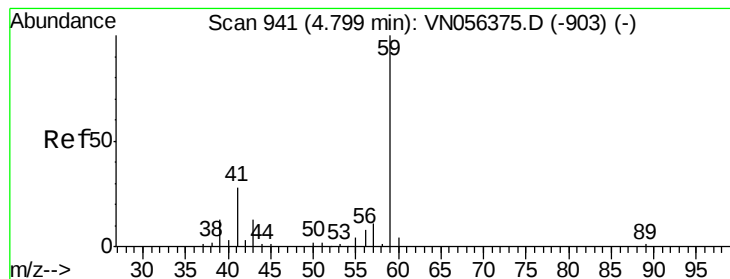
MMDadoda
 7/8/2019 10:08:03 AM



#10
 Methyl Iodide
 Concen: 47.475 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.3	30.6	46.0
141	14.3	11.4	17.2





#11

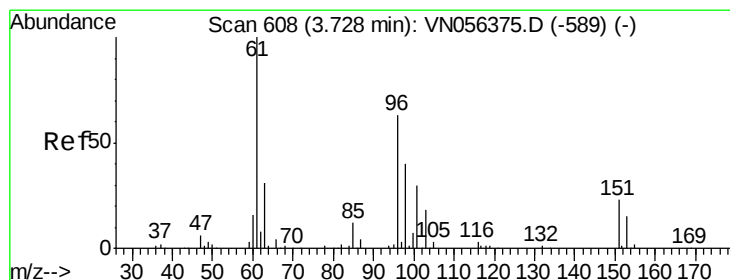
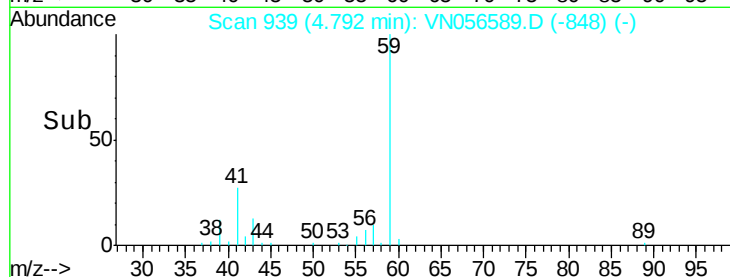
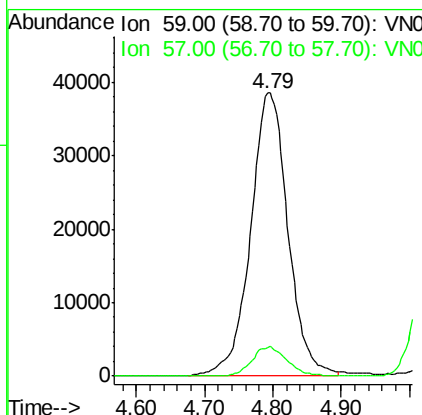
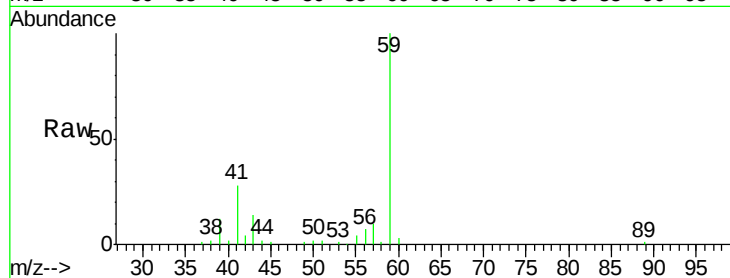
Tert butyl alcohol
 Concen: 266.388 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.6	11.4

Manual Integrations
 APPROVED

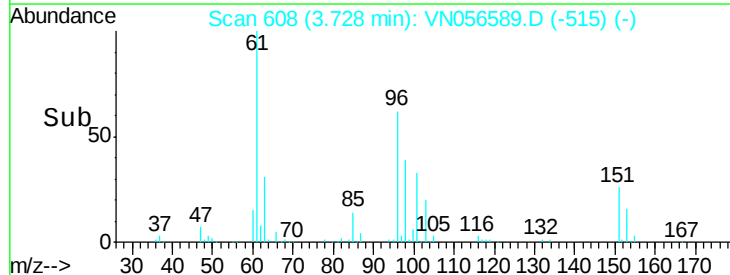
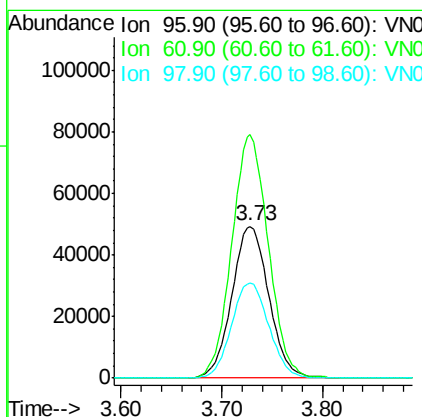
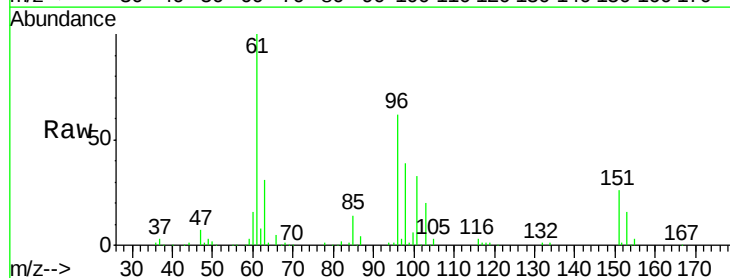
MMDadoda
 7/8/2019 10:08:03 AM

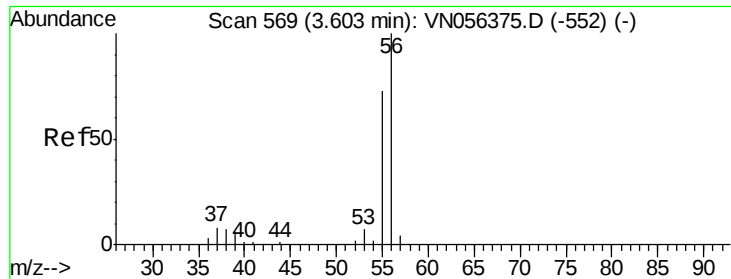


#12

1,1-Dichloroethene
 Concen: 48.068 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	126.6	190.0
98	62.8	51.1	76.7





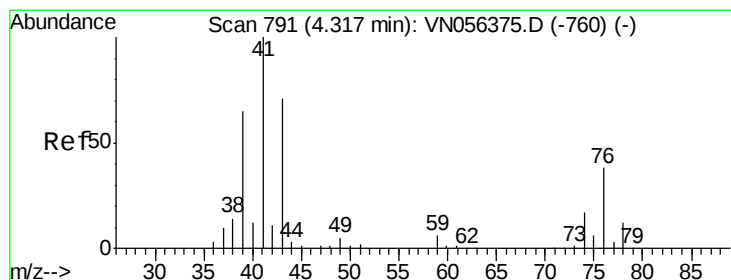
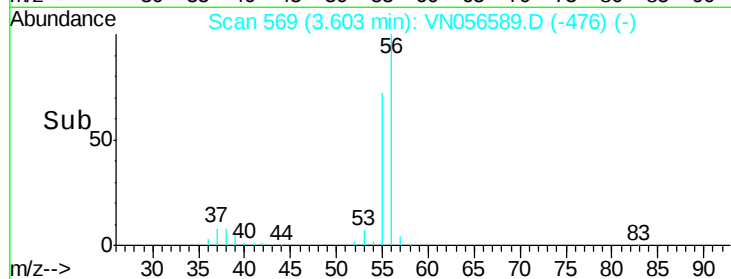
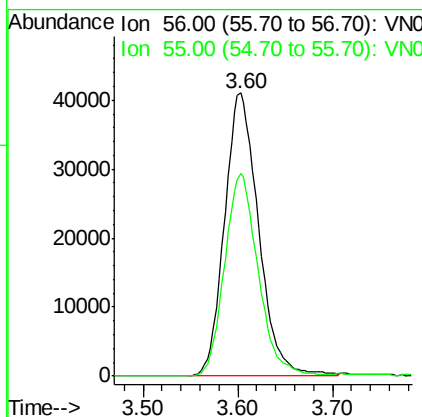
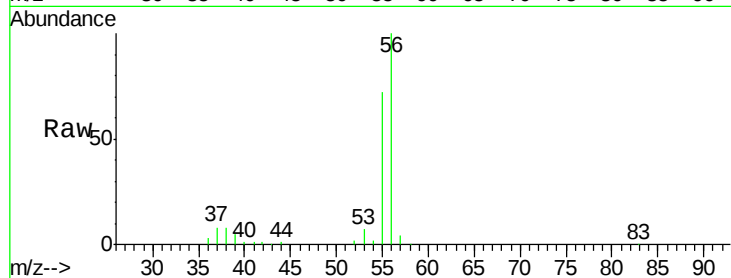
#13
Acrolein
Concen: 221.059 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
102666	100	70.5		57.1	85.7

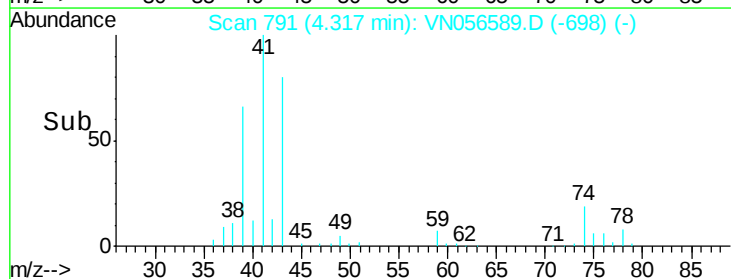
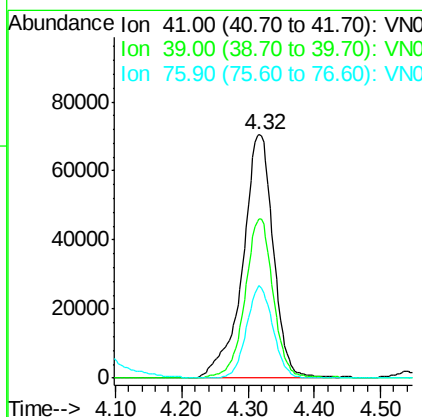
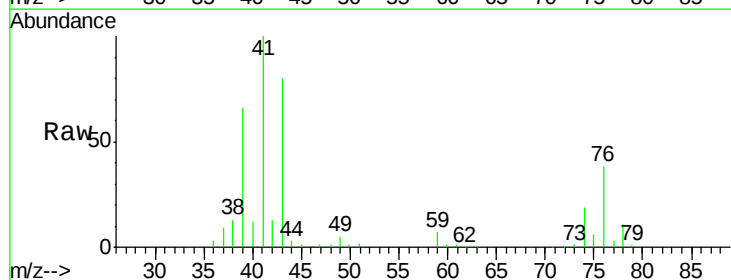
Manual Integrations
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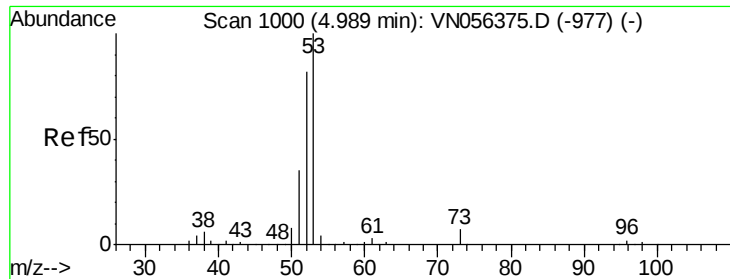
MMDadoda
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#14
Allyl chloride
Concen: 52.162 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	41	39	76	Resp	Lower	Upper
226434	100	60.3	32.4		48.6	73.0
					26.6	40.0





#15

Acrylonitrile

Concen: 260.538 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

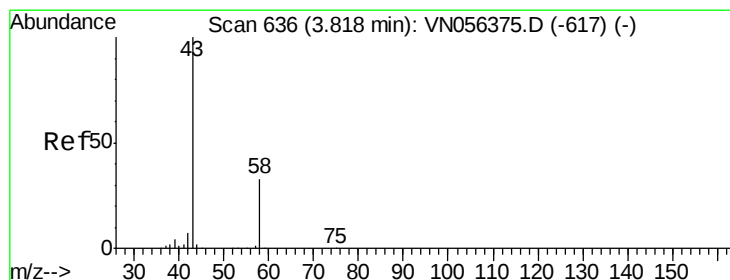
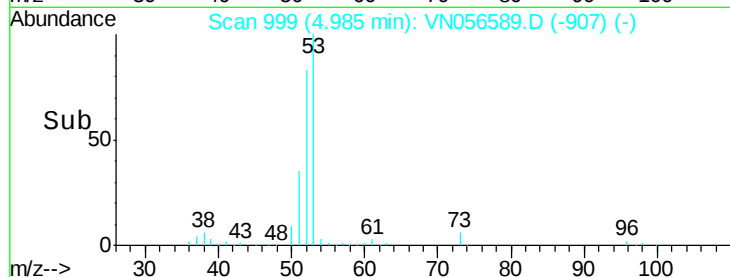
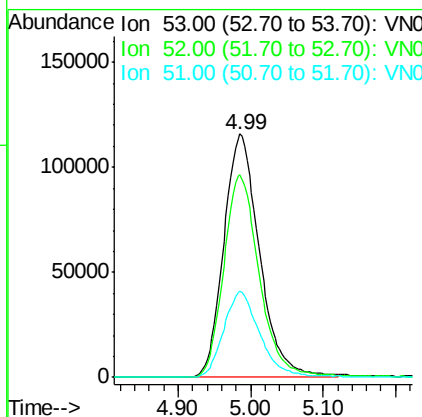
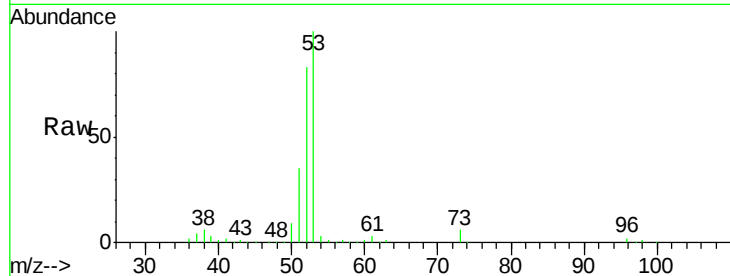
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	397180
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 236.136 ug/l

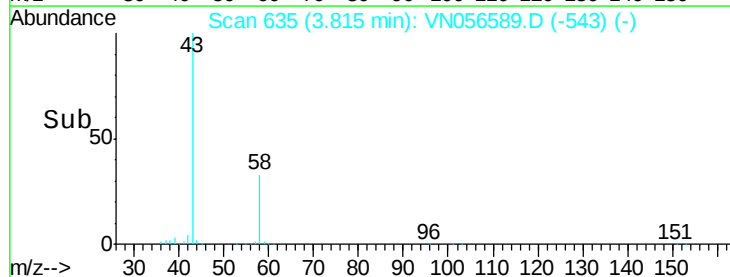
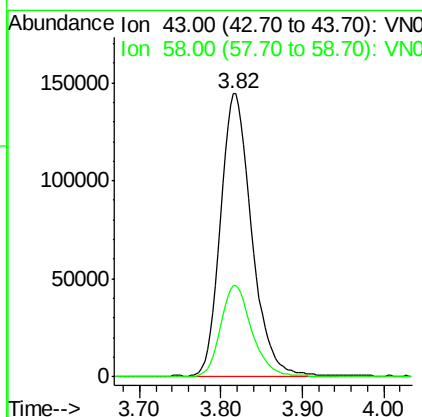
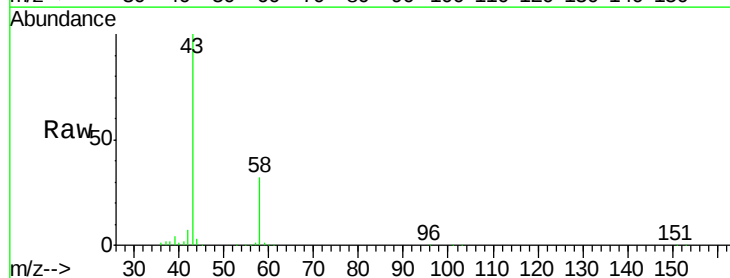
RT: 3.82 min Scan# 635

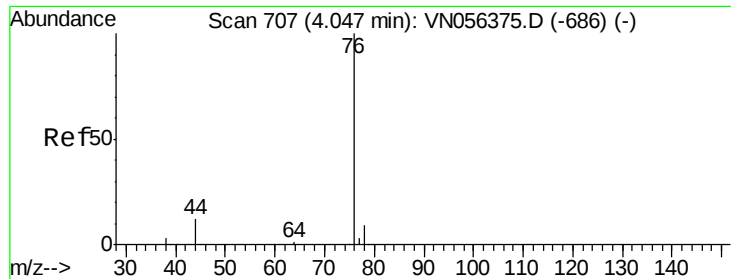
Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Tgt Ion:	43	Resp:	387070
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.4	39.6





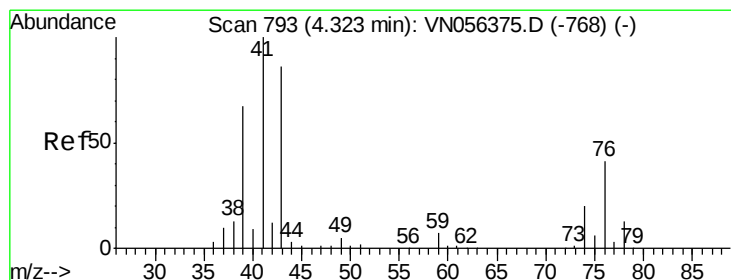
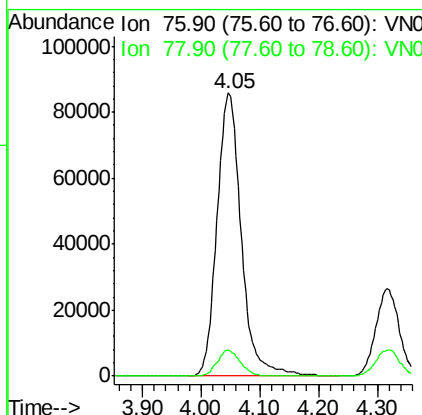
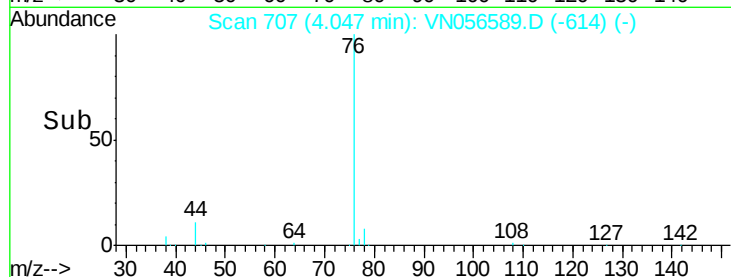
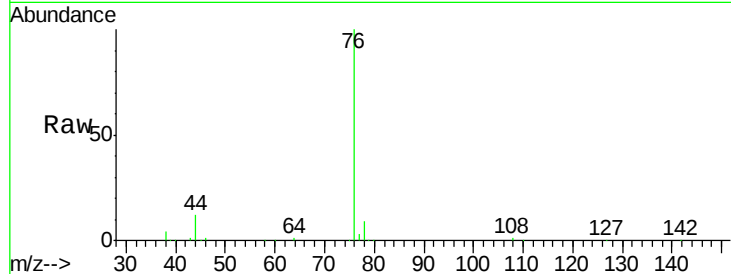
#17
Carbon Disulfide
Concen: 41.364 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 245345
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

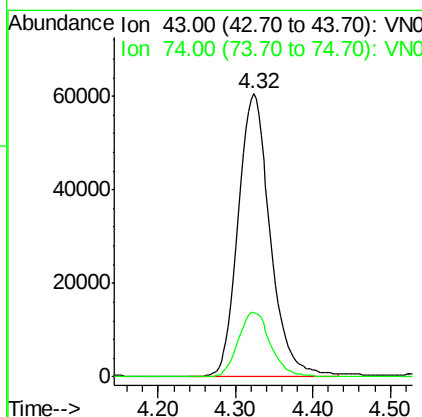
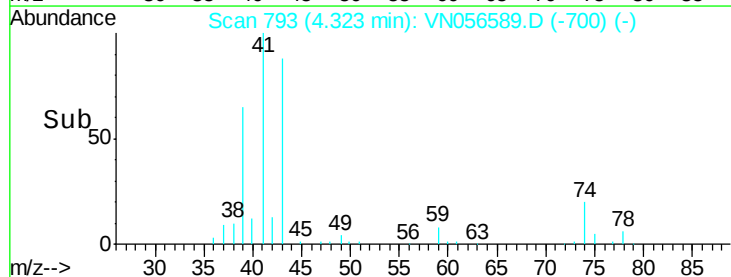
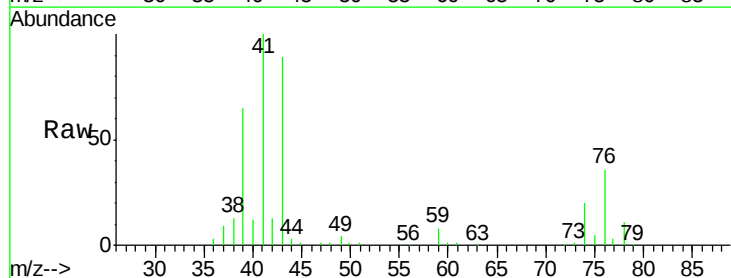
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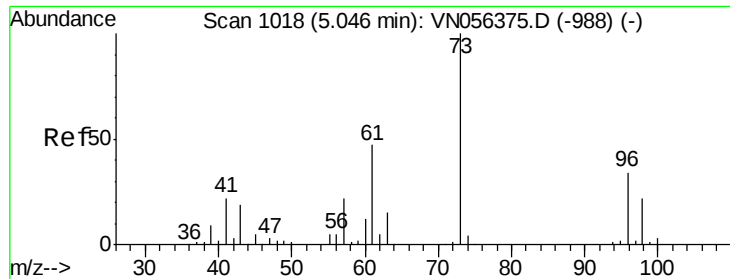
MMDadoda
7/8/2019 10:08:03 AM



#18
Methyl Acetate
Concen: 53.761 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion: 43 Resp: 172389
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8





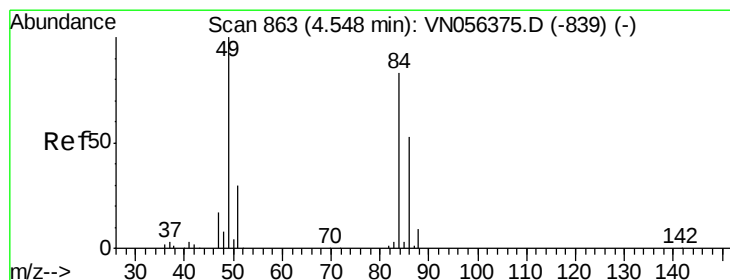
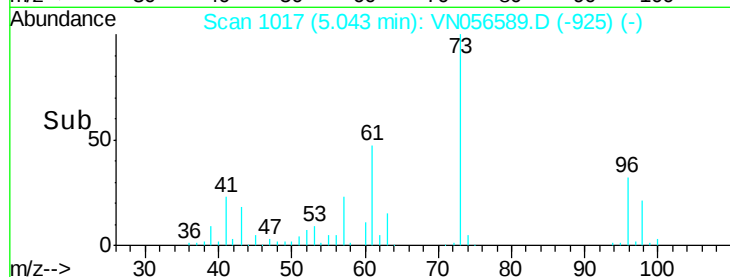
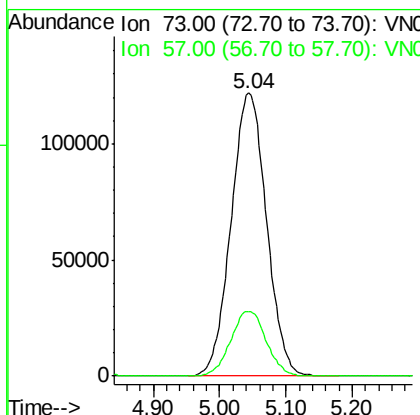
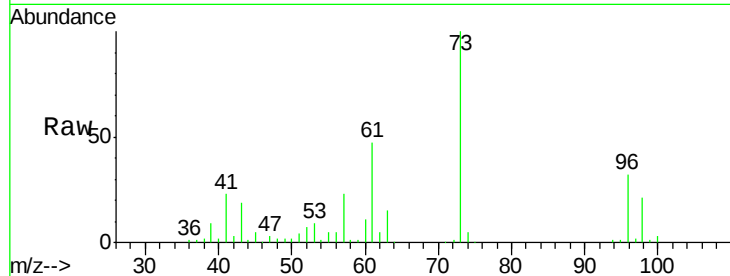
#19
Methvl tert-butvl Ether
Concen: 52.403 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 452180
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

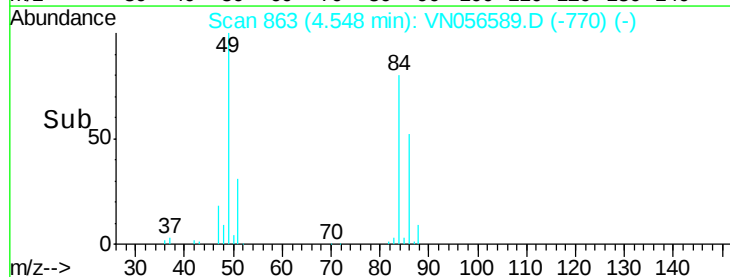
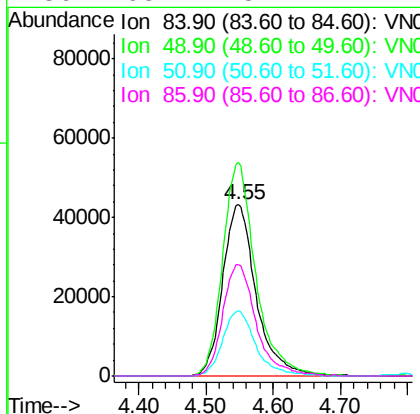
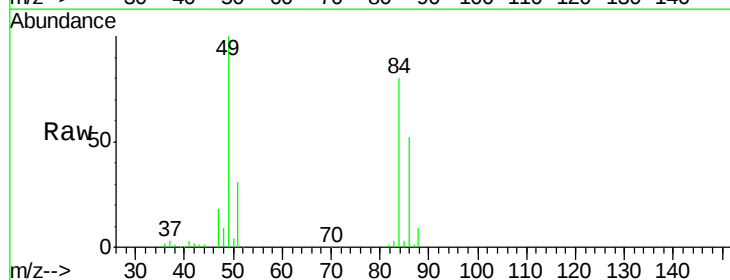
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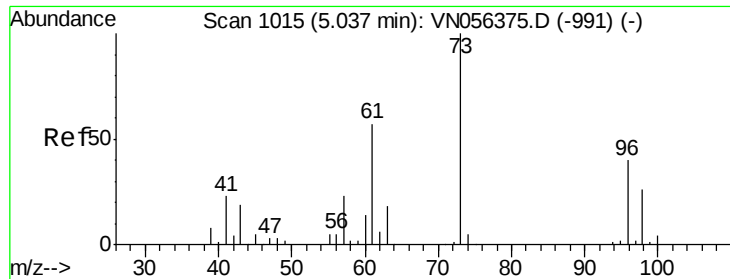
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7/8/2019 10:08:03 AM



#20
Methylene Chloride
Concen: 48.281 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion: 84 Resp: 149287
Ion Ratio Lower Upper
84 100
49 124.7 96.4 144.6
51 38.2 28.6 43.0
86 65.2 51.4 77.2





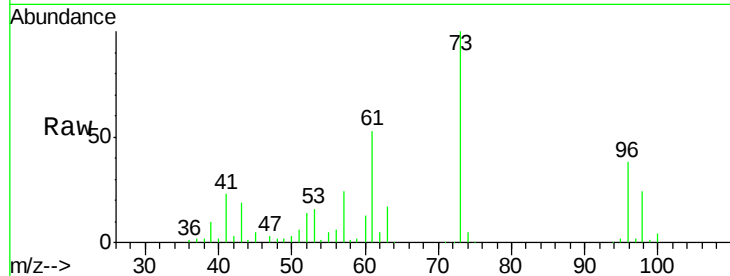
#21
trans-1,2-Dichloroethene
Concen: 47.727 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	113.0	169.6
98	65.2	52.2	78.2

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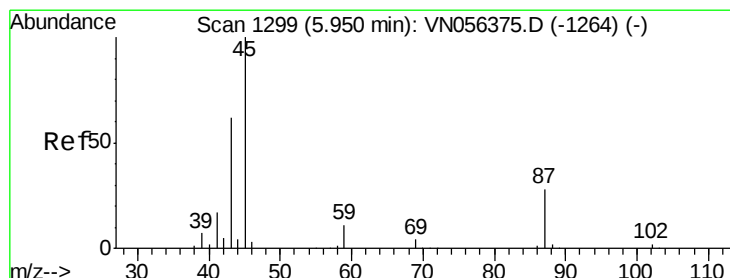
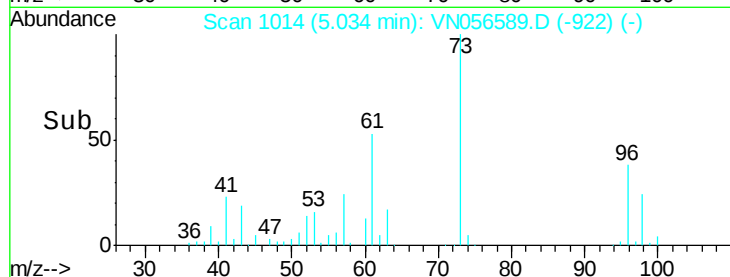
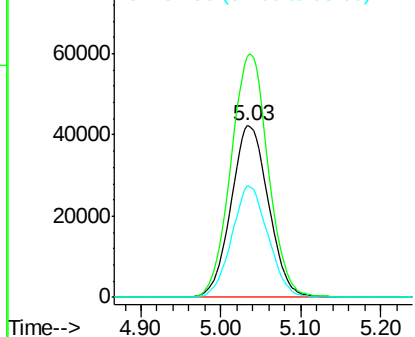


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 54.598 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	50.4	75.6
87	27.5	23.0	34.4
59	11.9	9.1	13.7

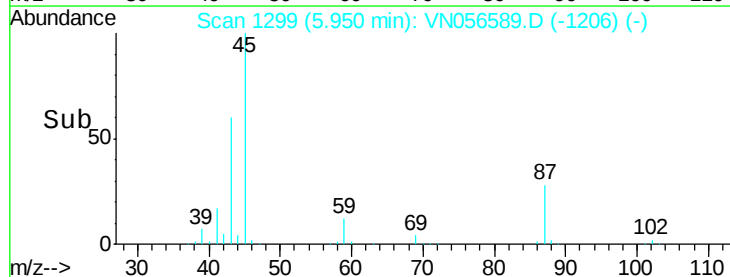
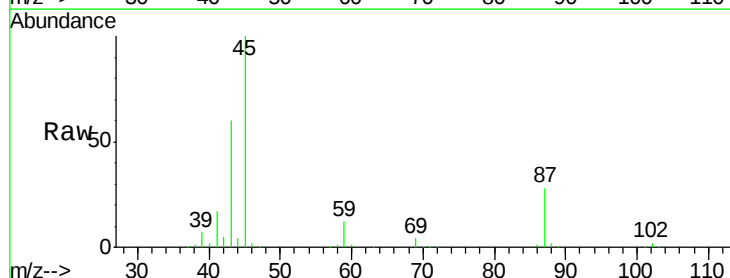
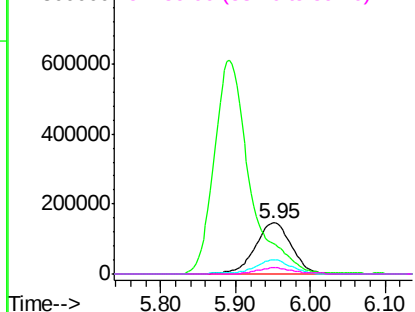
Abundance

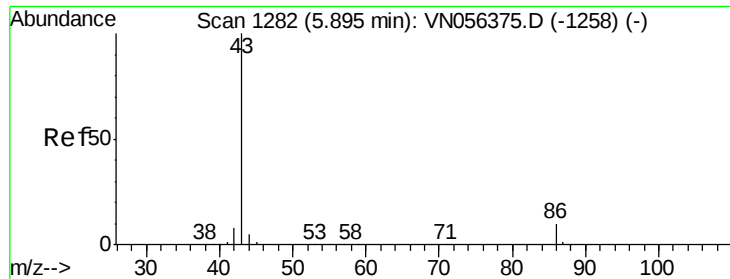
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





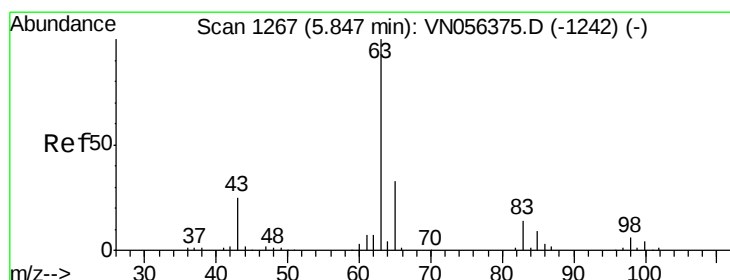
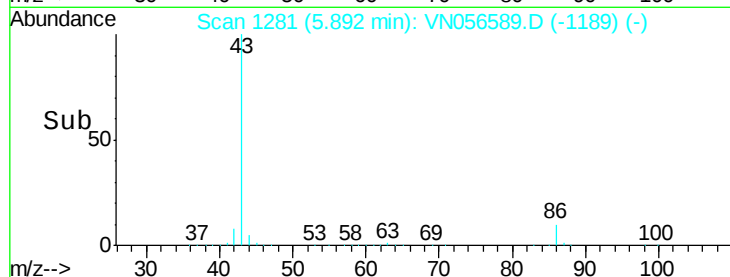
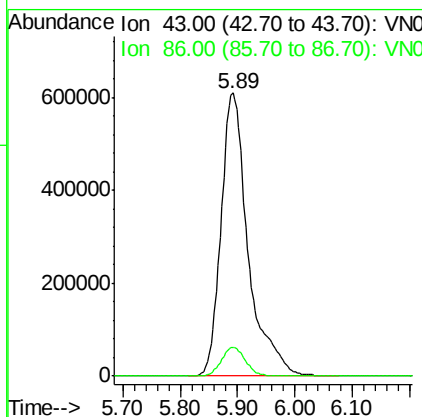
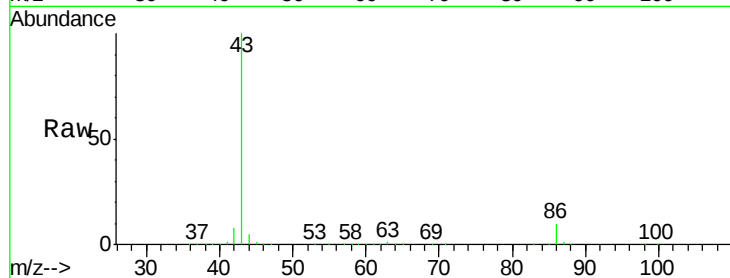
#23
 Vinyl Acetate
 Concen: 280.278 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2015351
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5

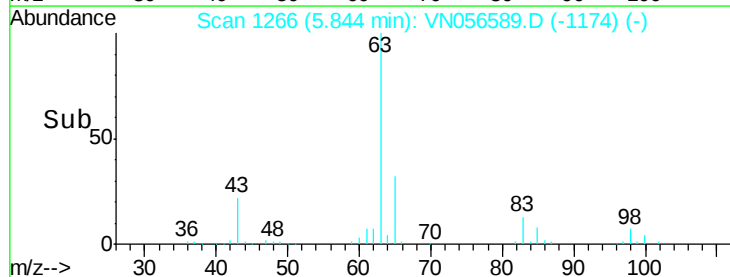
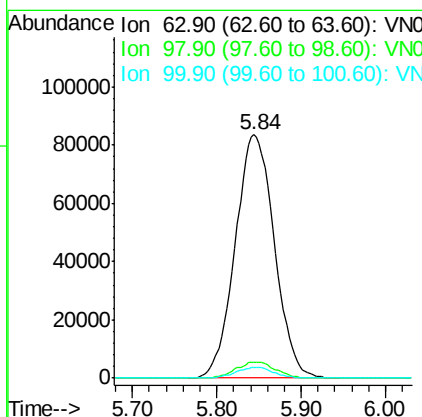
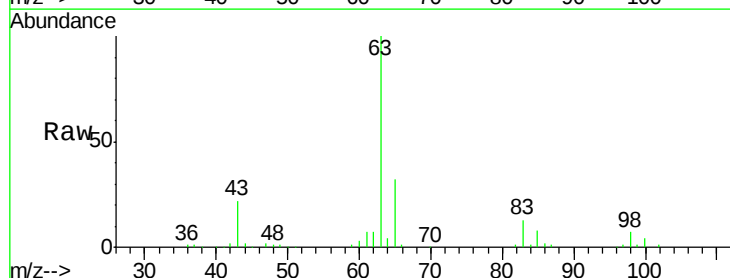
Manual Integrations
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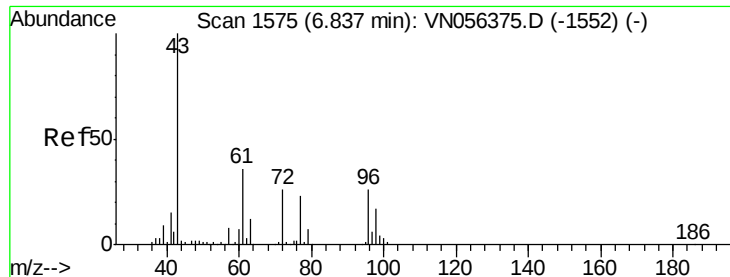
MMDadoda
 7/8/2019 10:08:03 AM



#24
 1,1-Dichloroethane
 Concen: 51.506 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion: 63 Resp: 269544
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.2 9.6
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 276.243 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 599300

Ion Ratio Lower Upper

43 100

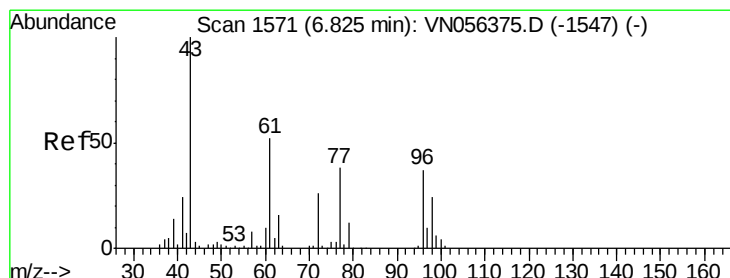
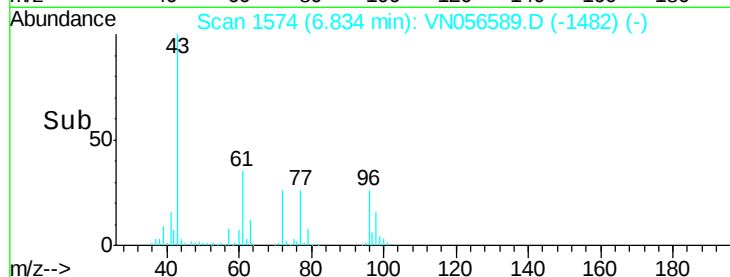
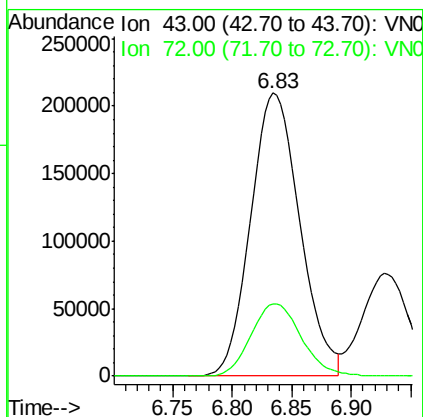
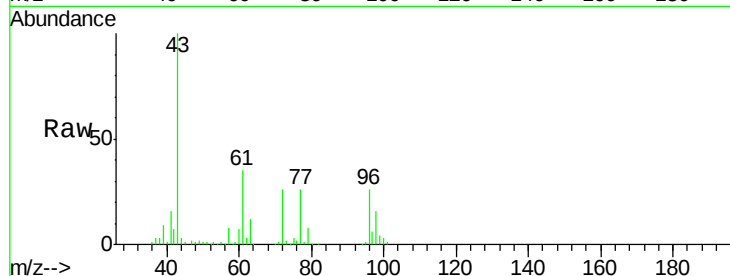
72 25.6 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 55.114 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN056589.D

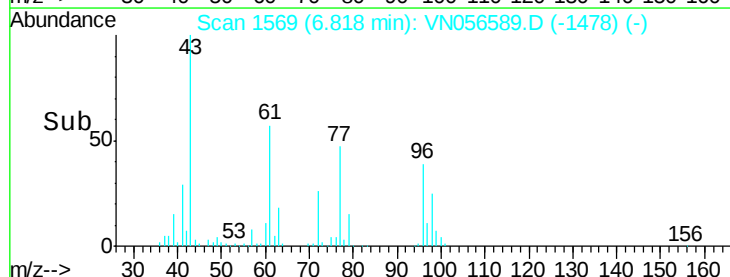
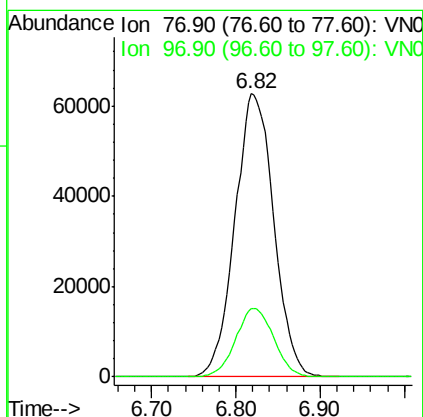
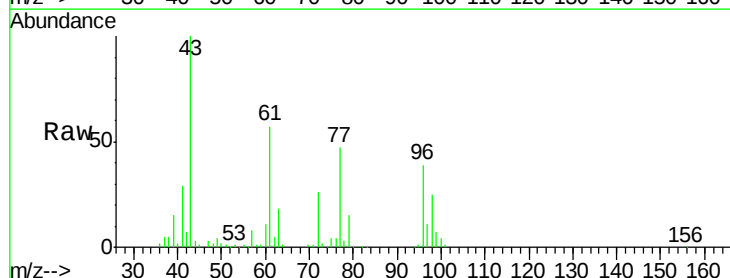
Acq: 3 Jul 2019 16:41

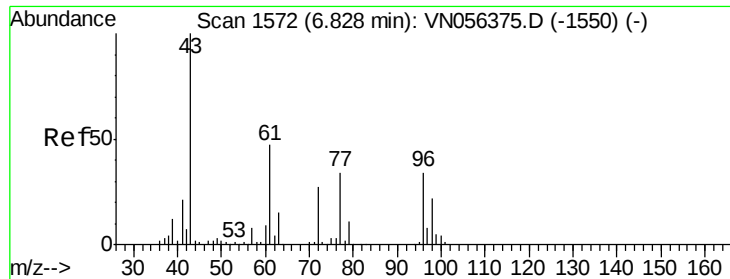
Tgt Ion: 77 Resp: 200599

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





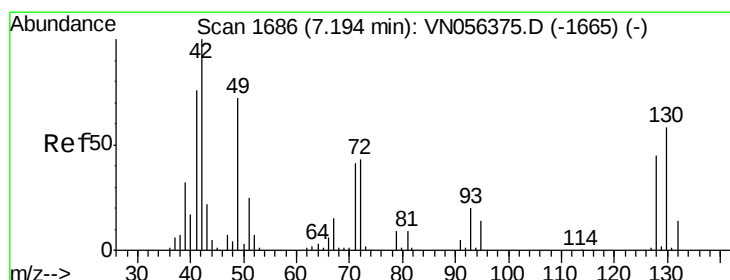
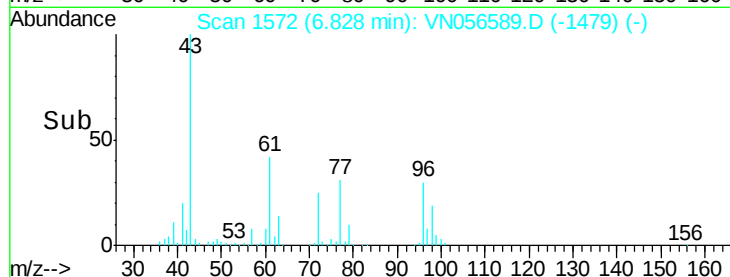
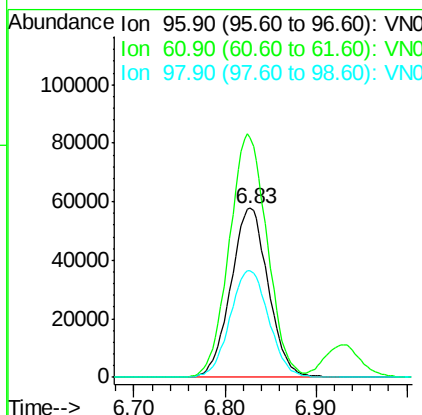
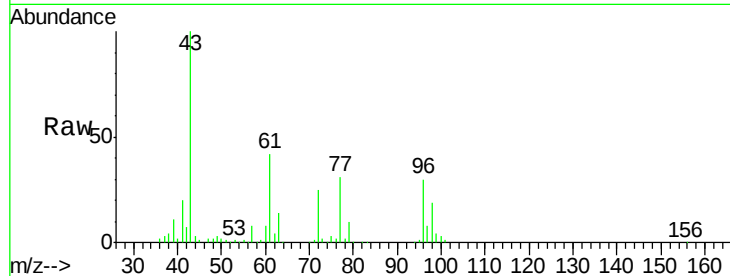
#27
 cis-1,2-Dichloroethene
 Concen: 50.396 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165771		
61	145.5	0.0	279.8	
98	65.2	0.0	130.0	

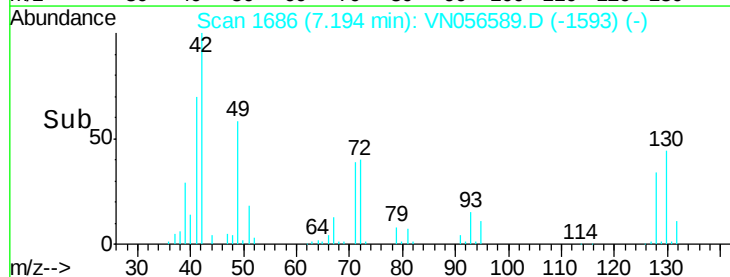
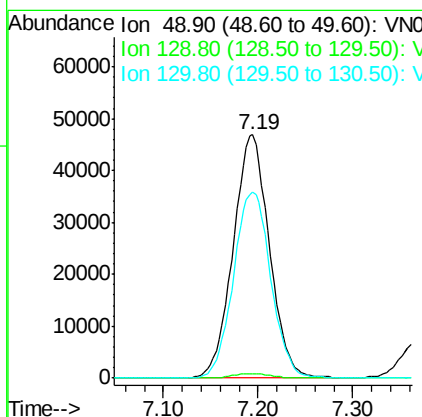
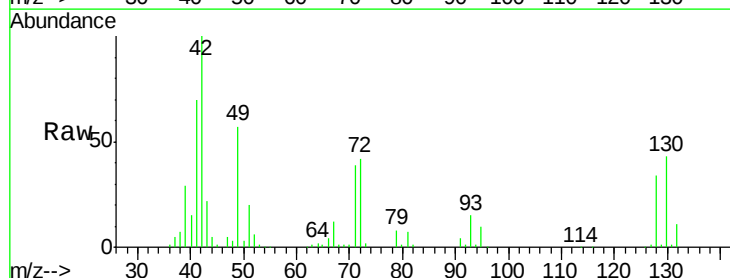
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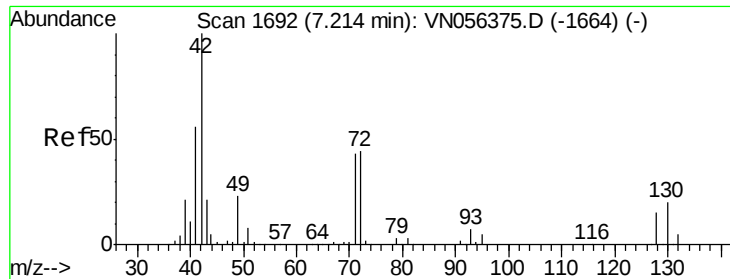
MMDadoda
 7/8/2019 10:08:03 AM



#28
 Bromochloromethane
 Concen: 48.214 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124802		
129	1.8	0.0	4.2	
130	78.8	64.9	97.3	





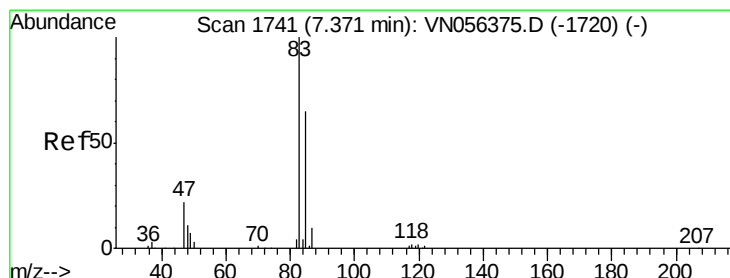
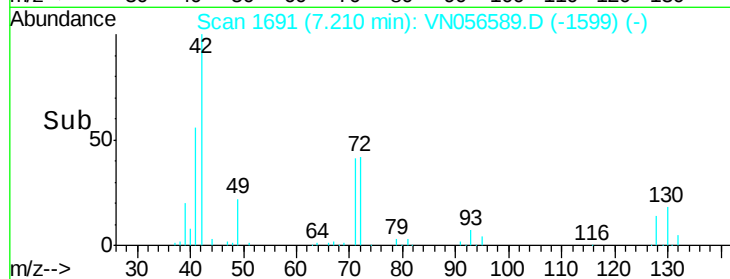
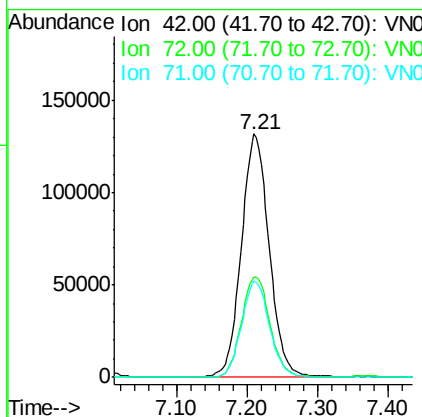
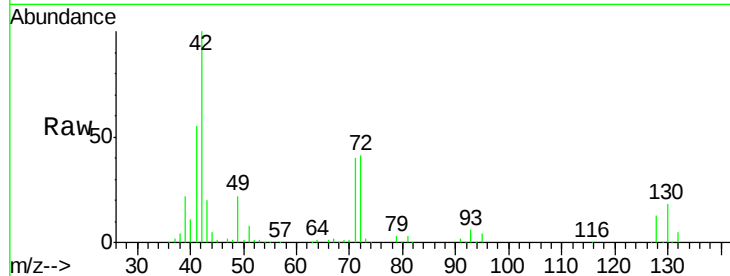
#29
Tetrahydrofuran
Concen: 273.996 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.7	52.1
71	39.7	33.0	49.6

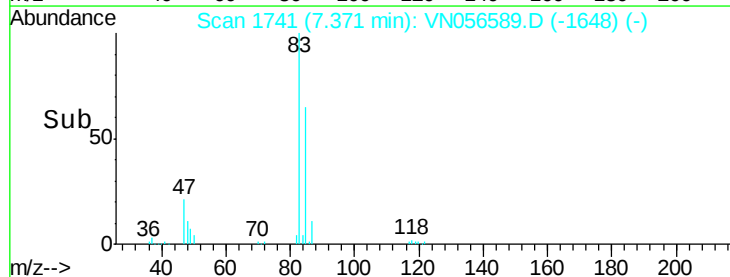
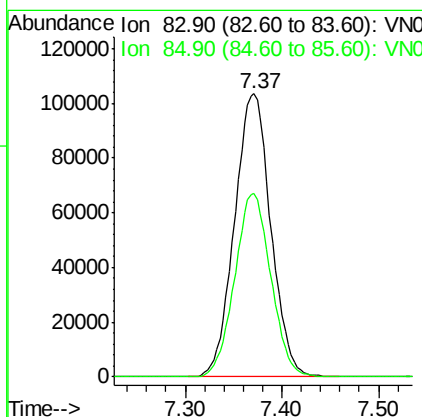
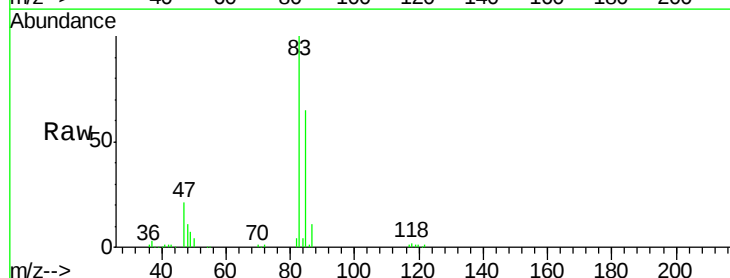
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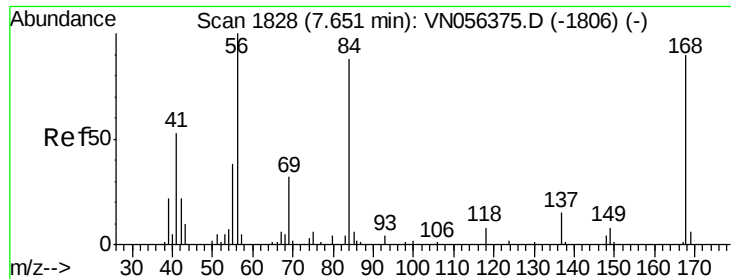
MMDadoda
7/8/2019 10:08:03 AM



#30
Chloroform
Concen: 52.214 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





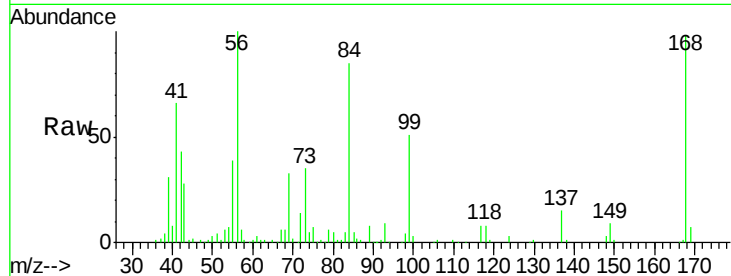
#31
Cyclohexane
Concen: 46.669 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.6
84	84.2	69.4	104.0

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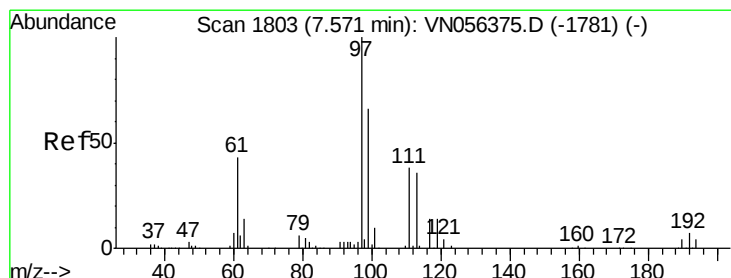
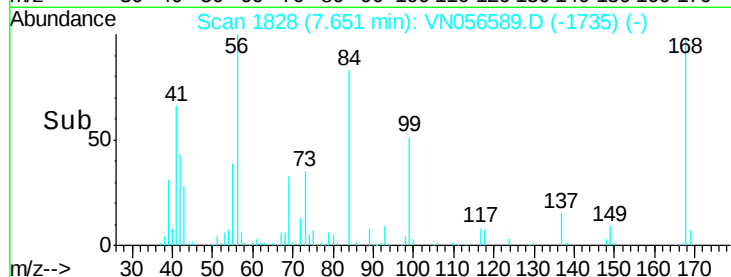
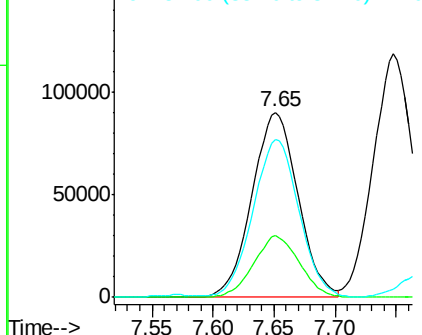


Abundance

Ion 56.00 (55.70 to 56.70): VNC

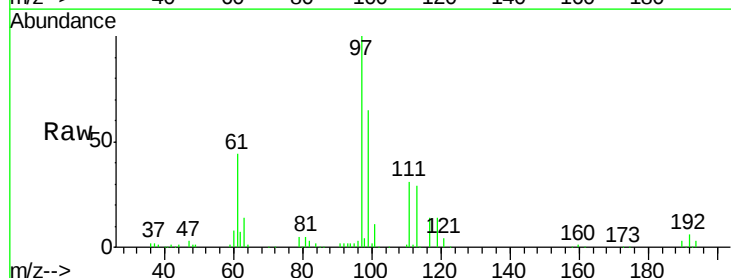
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 52.022 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	43.4	33.9	50.9

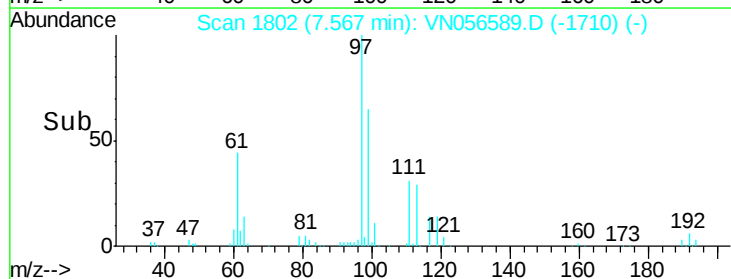
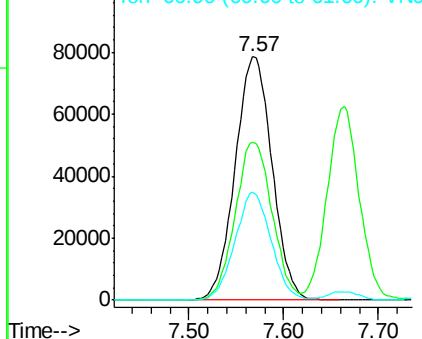


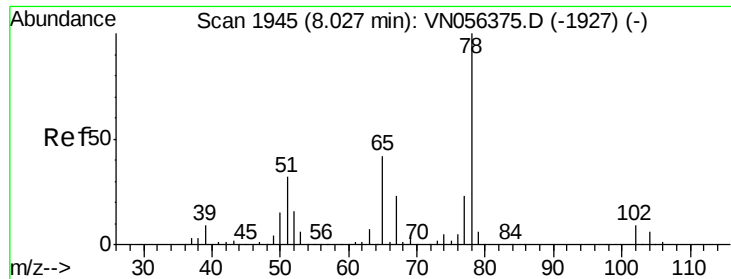
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 48.485 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 158629

Ion Ratio Lower Upper

65 100

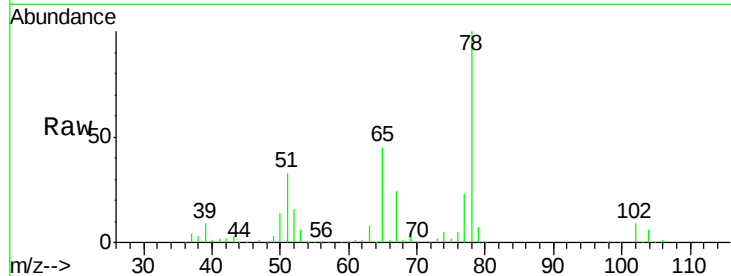
67 55.2 0.0 109.0

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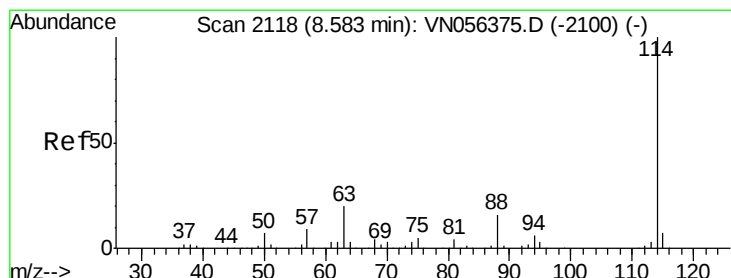
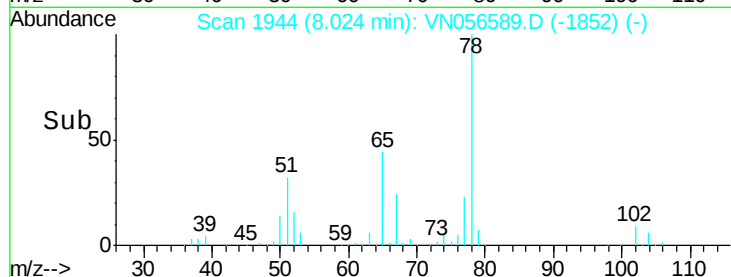
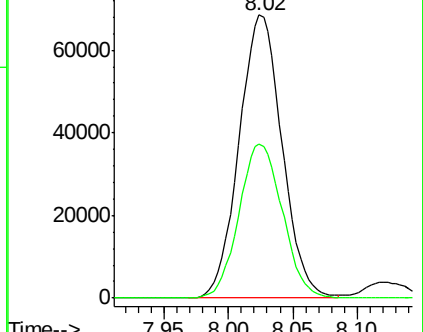
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VN056375.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056375.D (-1927) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

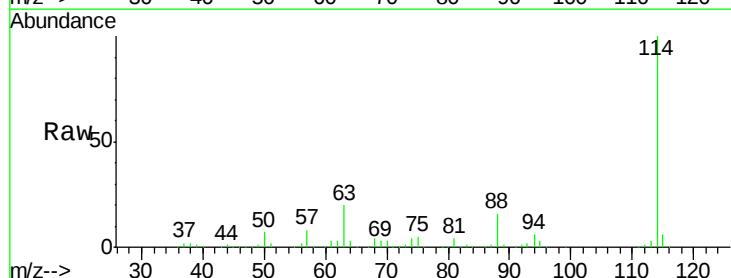
Tgt Ion: 114 Resp: 439800

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

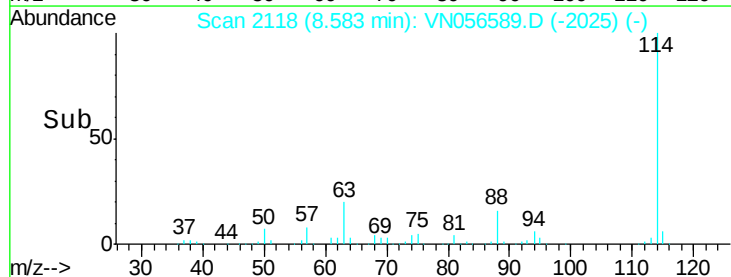
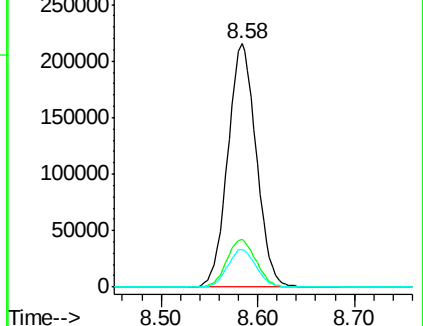
88 15.5 0.0 31.4

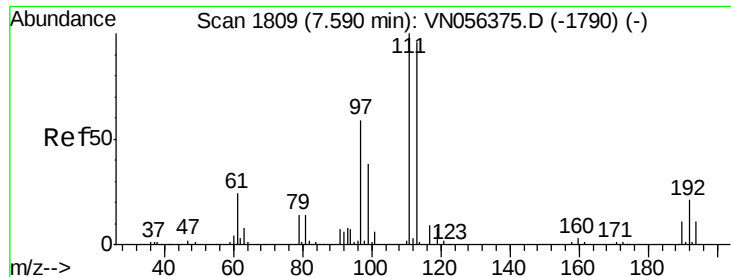


Abundance Ion 113.90 (113.60 to 114.60): VN056375.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN056375.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN056375.D (-2100) (-)





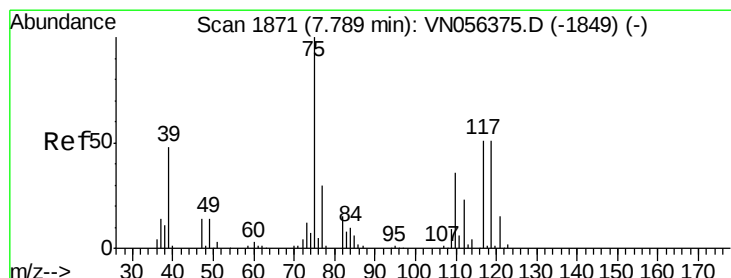
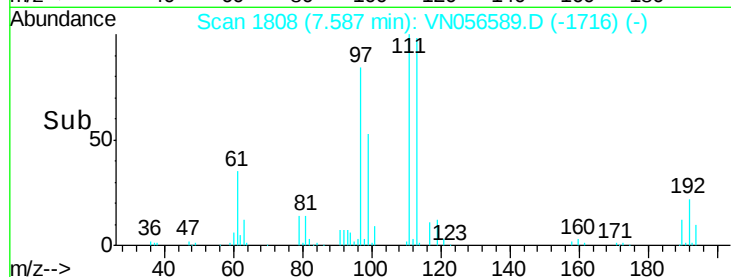
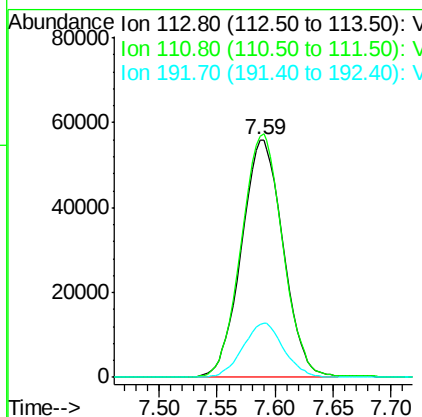
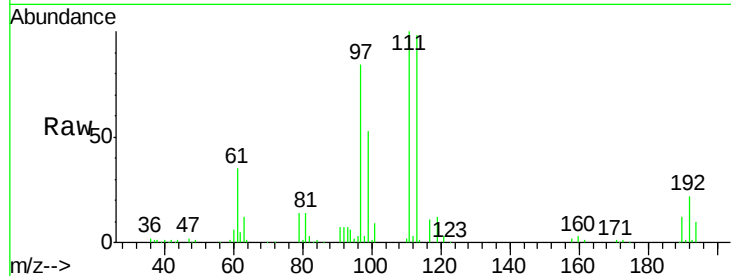
#35
Dibromofluoromethane
Concen: 51.093 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140180		
111	101.9	82.9	124.3	
192	22.3	17.7	26.5	

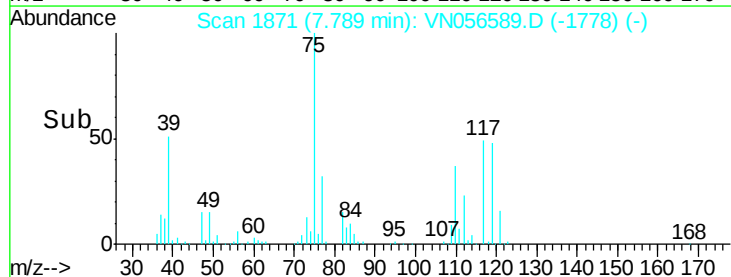
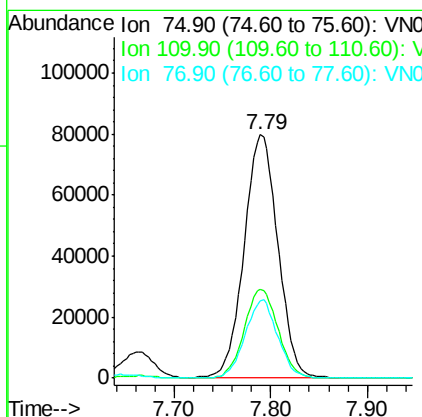
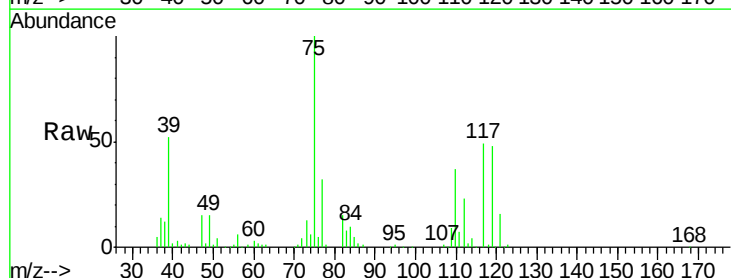
Manual Integrations
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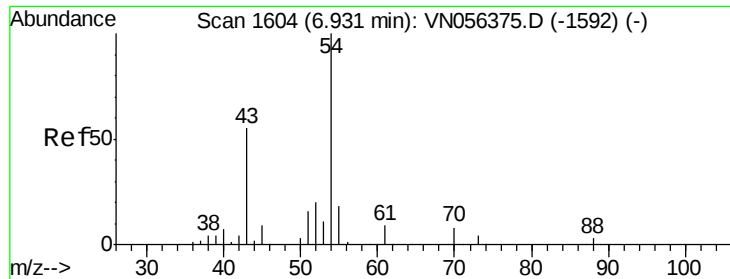
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#36
1,1-Dichloropropene
Concen: 50.052 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193754		
110	36.3	18.1	54.3	
77	30.9	24.6	36.8	





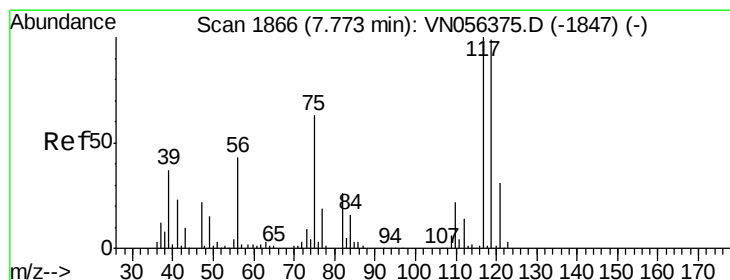
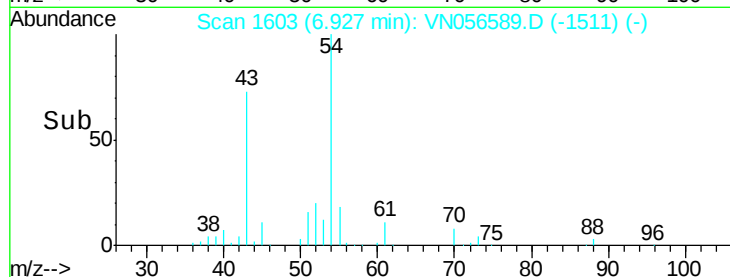
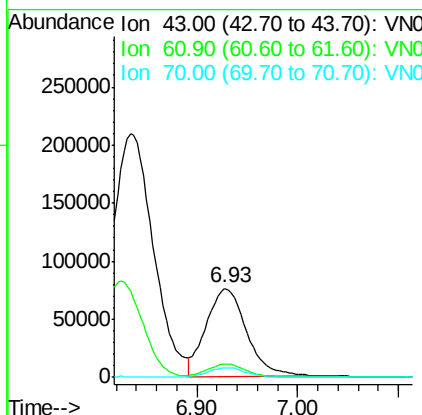
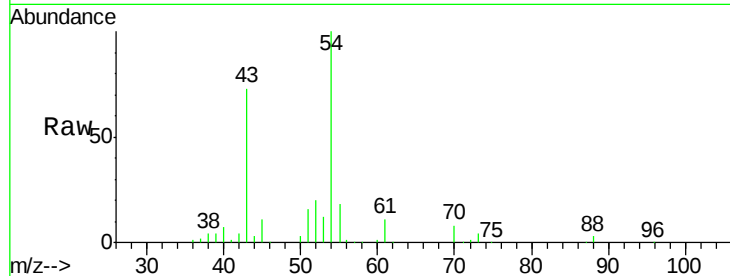
#37
Ethyl Acetate
Concen: 56.011 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	10.5	8.3	12.5

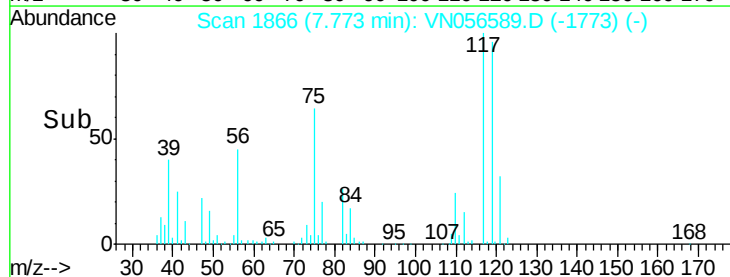
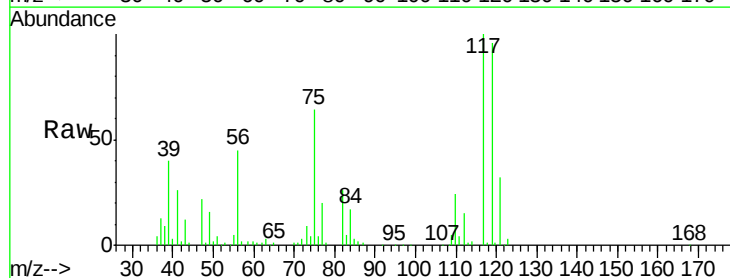
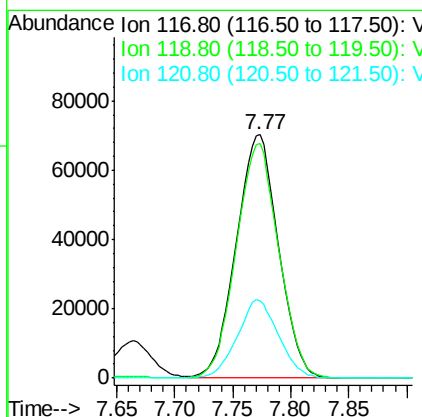
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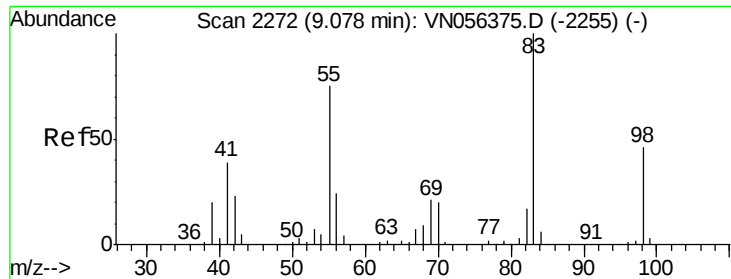
MMDadoda
7/8/2019 10:08:03 AM



#38
Carbon Tetrachloride
Concen: 52.522 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.1	118.7
121	31.7	24.8	37.2





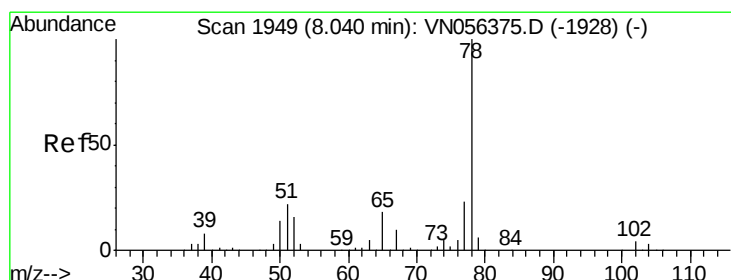
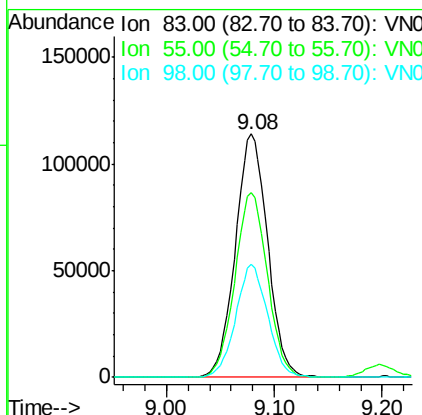
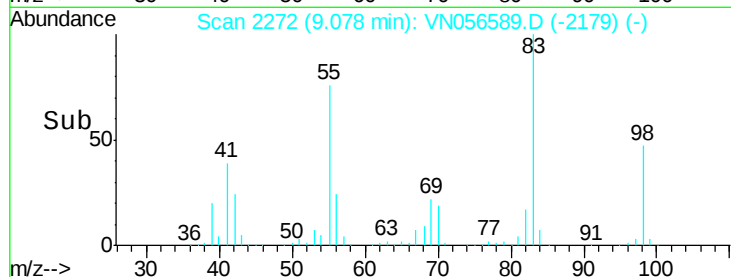
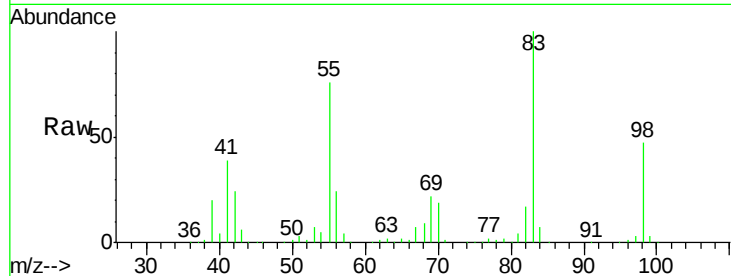
#39
Methvlcvclohexane
Concen: 49.800 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	237874
Ion Ratio	Lower	Upper	
83	100		
55	76.0	60.0	90.0
98	46.6	36.6	54.8

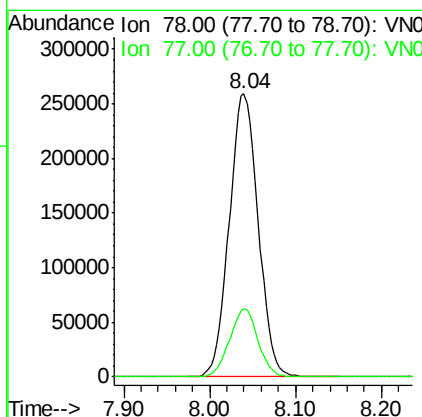
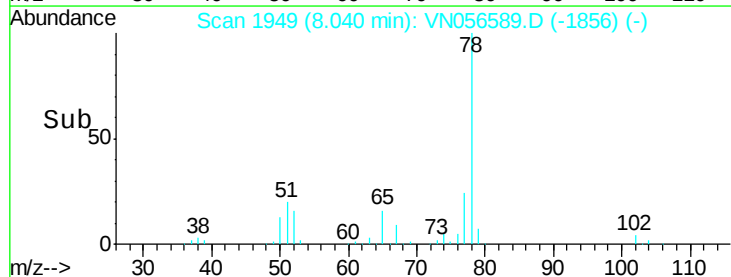
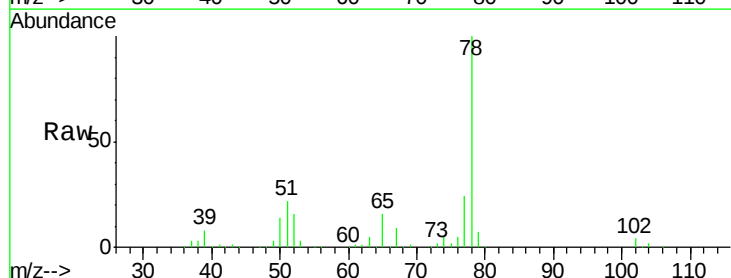
Manual Integrations
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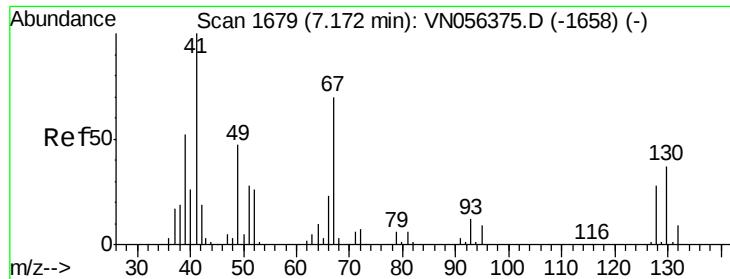
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#40
Benzene
Concen: 50.888 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	78	Resp	605941
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.3	27.5





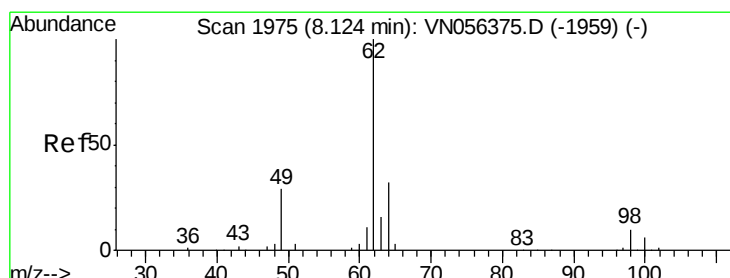
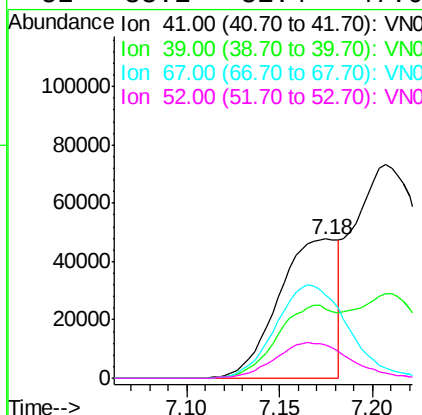
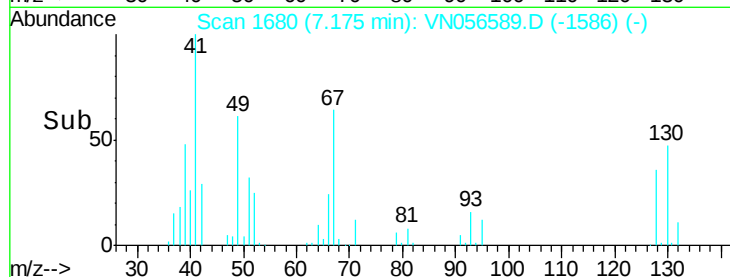
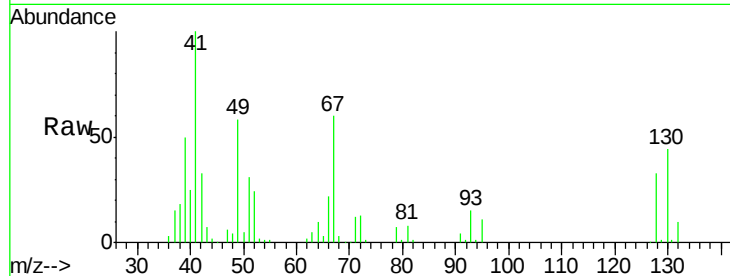
#41
Methacrylonitrile
Concen: 62.995 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	55.3	82.9#	
67	82.4	79.2	118.8	
52	33.1	31.4	47.0	

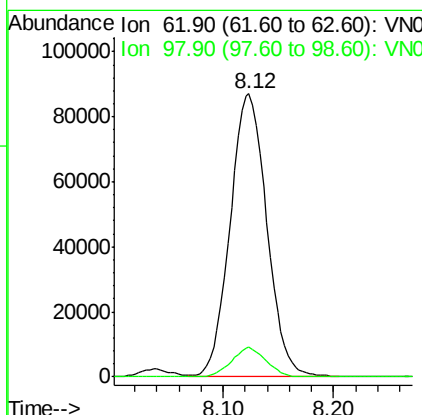
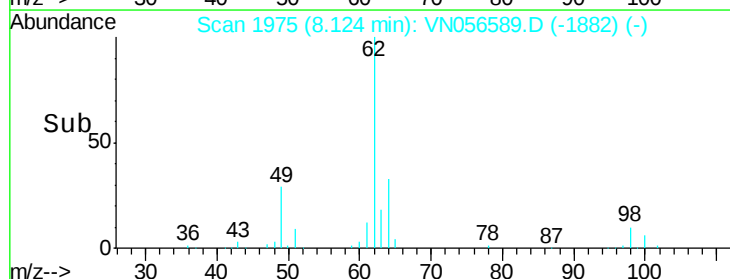
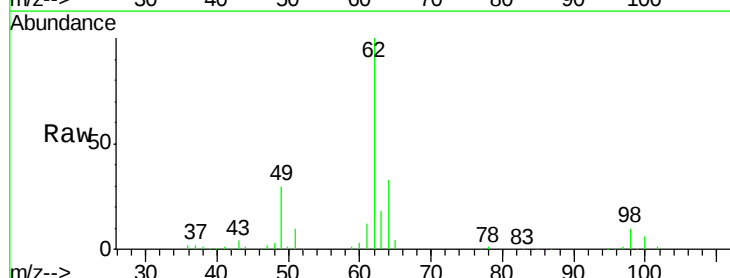
Manual Integrations
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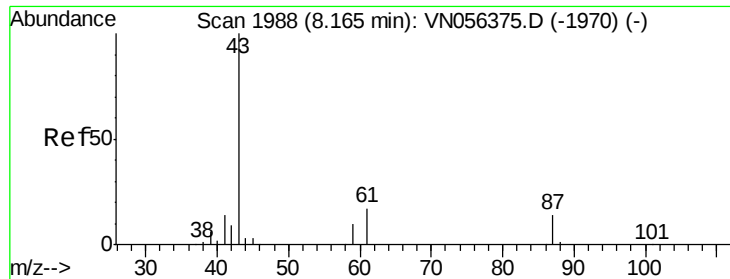
MMDadoda
7/8/2019 10:08:03 AM



#42
1,2-Dichloroethane
Concen: 50.828 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.4	





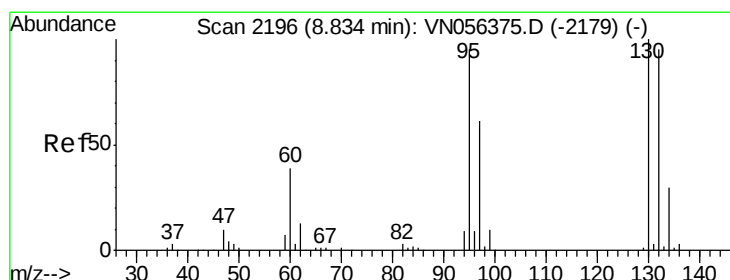
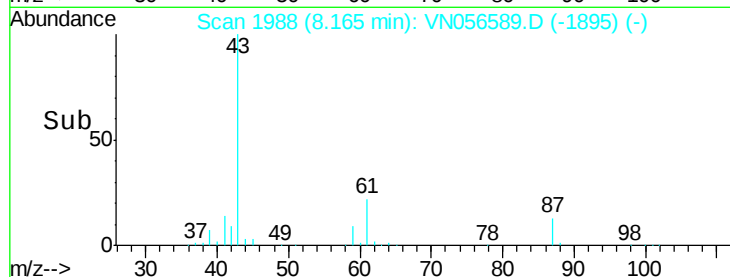
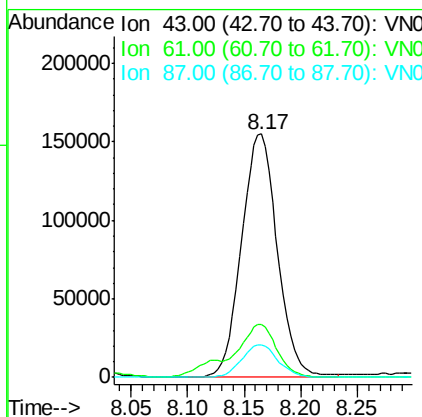
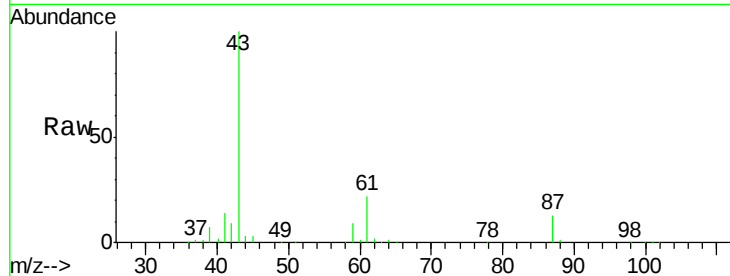
#43
Isopropyl Acetate
Concen: 57.997 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	22.0	33.0#
87	13.5	11.0	16.4

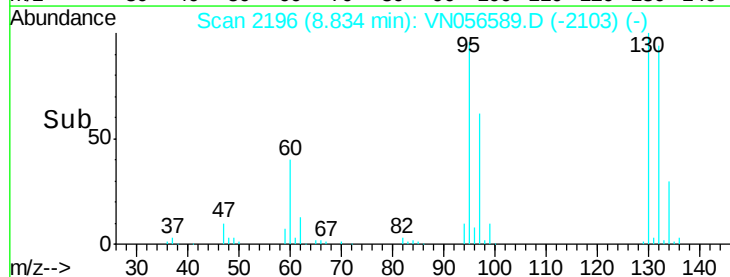
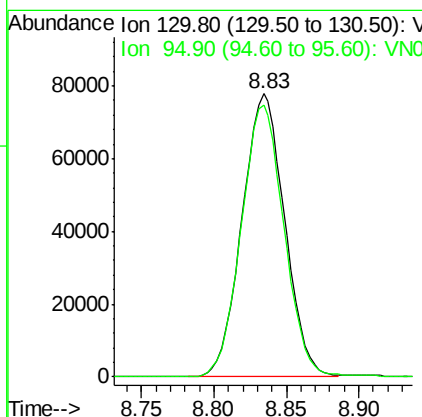
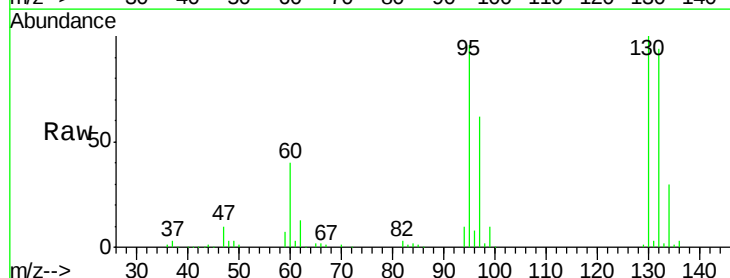
Manual Integrations
APPROVED

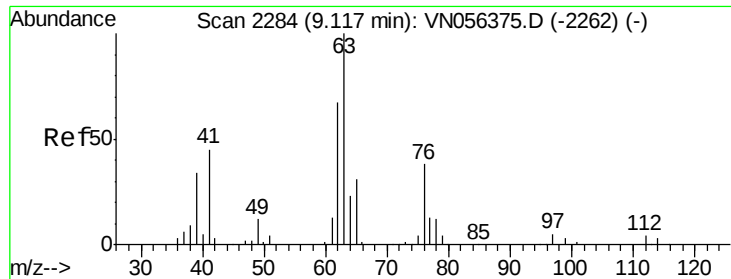
MMDadoda
7/8/2019 10:08:03 AM



#44
Trichloroethene
Concen: 49.705 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	191.0





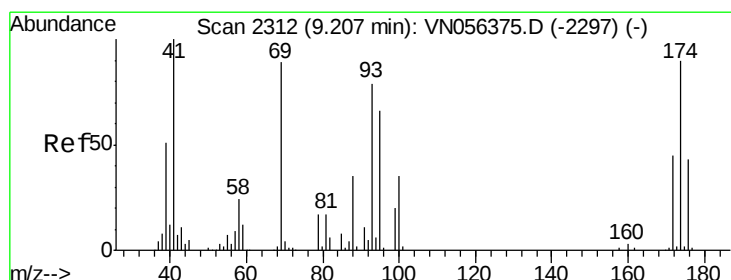
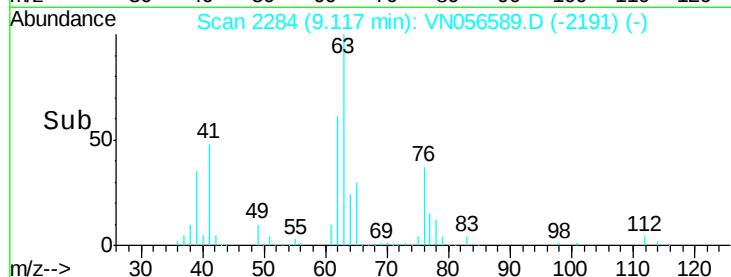
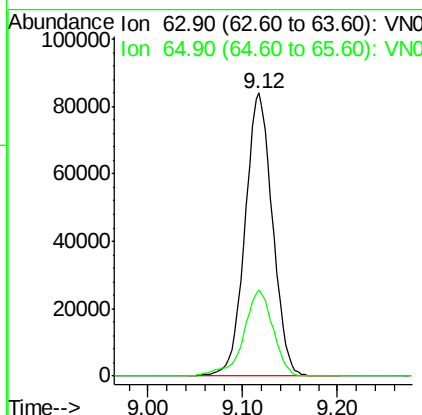
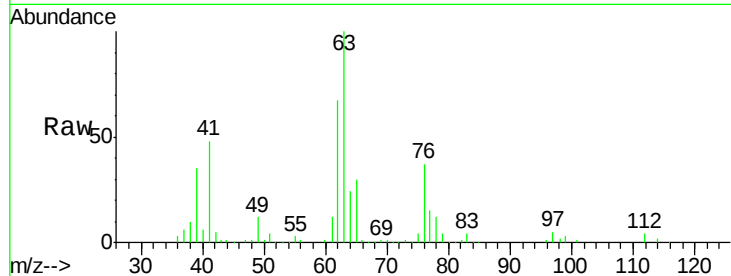
#45
 1,2-Dichloropropane
 Concen: 53.129 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 169186
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

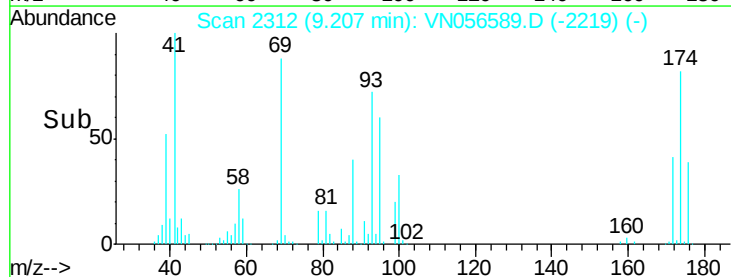
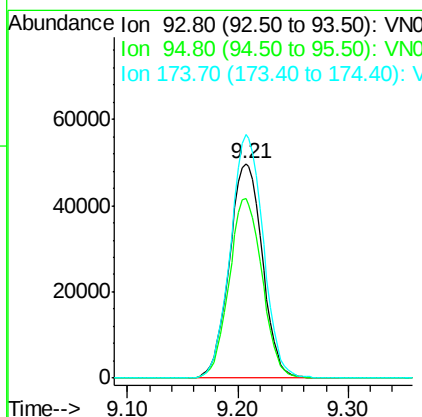
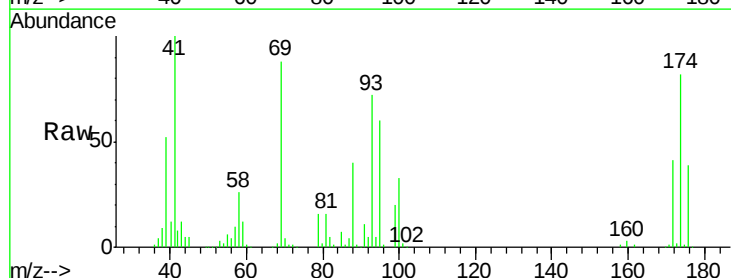
Manual Integrations
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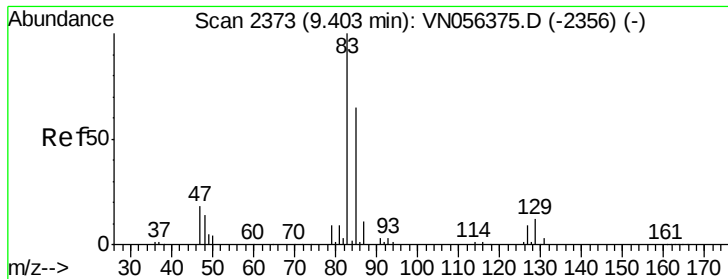
MMDadoda
 7/8/2019 10:08:03 AM



#46
 Dibromomethane
 Concen: 52.048 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion: 93 Resp: 103695
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.2 99.2
 174 112.2 90.8 136.2





#47

Bromodichloromethane

Concen: 56.707 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

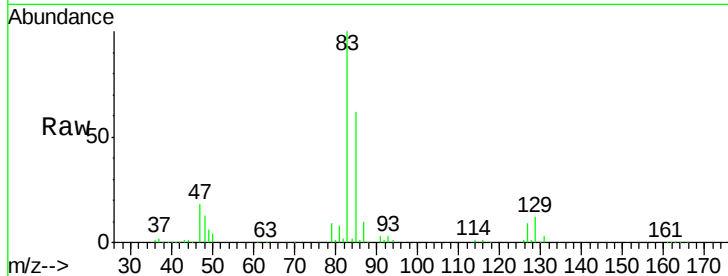
ClientSampled :

VSTDCCC050

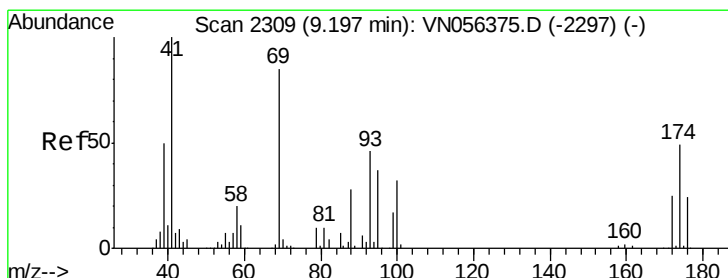
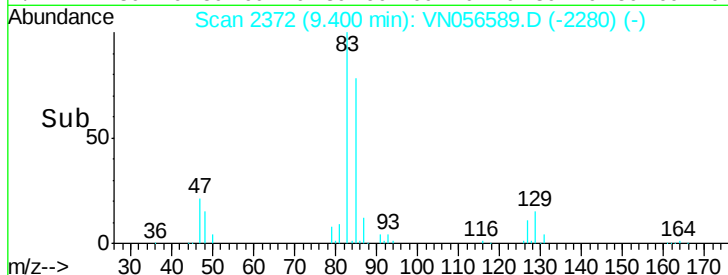
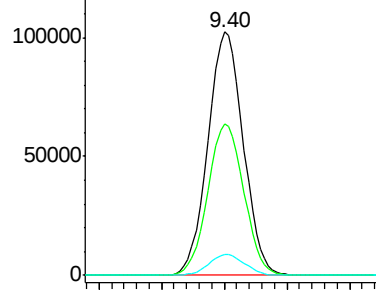
Tot Ion:	83	Resp:	200374
Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.2	78.4
127	8.5	7.3	10.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.100 ug/l

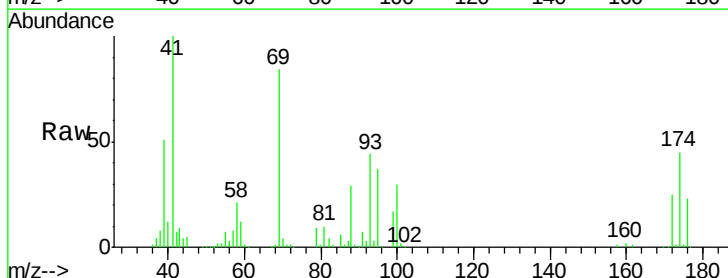
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

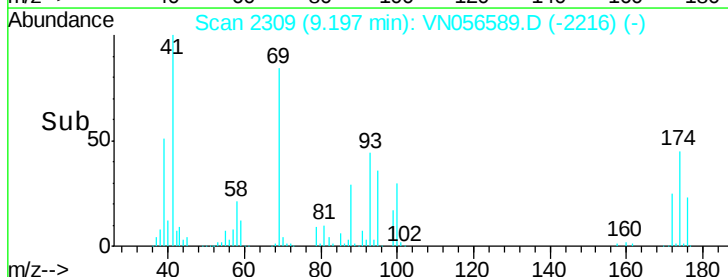
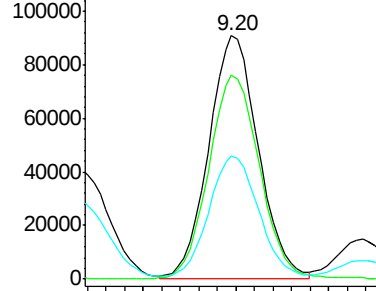
Lab File: VN056589.D

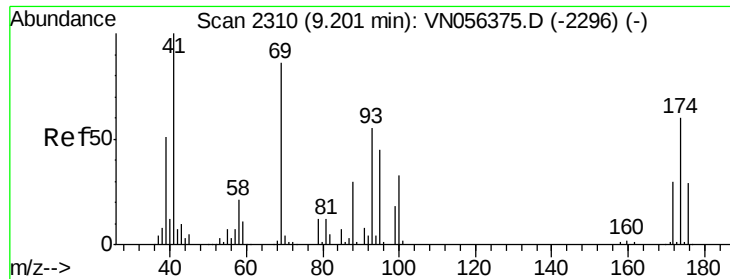
Acq: 3 Jul 2019 16:41

Tgt Ion:	41	Resp:	167850
Ion	Ratio	Lower	Upper
41	100		
69	86.5	72.6	109.0
39	51.6	42.6	63.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





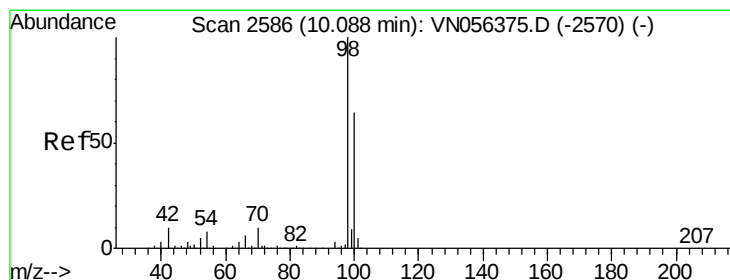
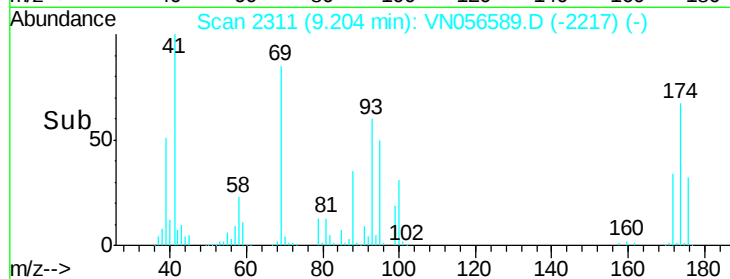
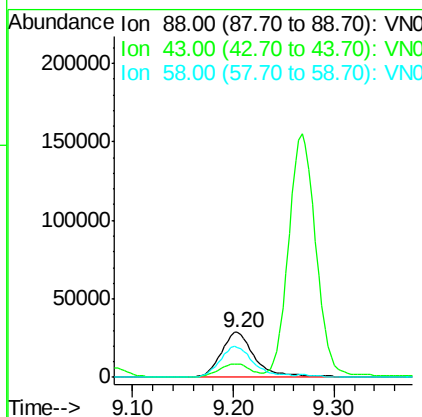
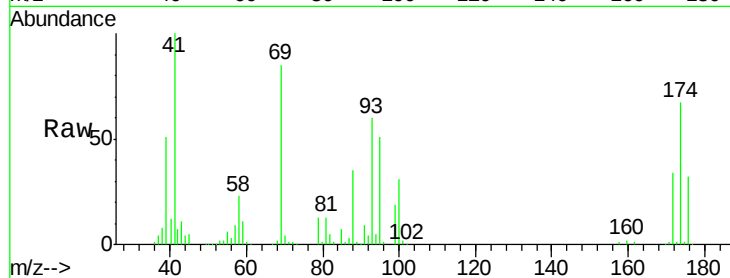
#49
1,4-Dioxane
Concen: 1111.543 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	67807
Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.0	33.0
58	67.6	51.8	77.8

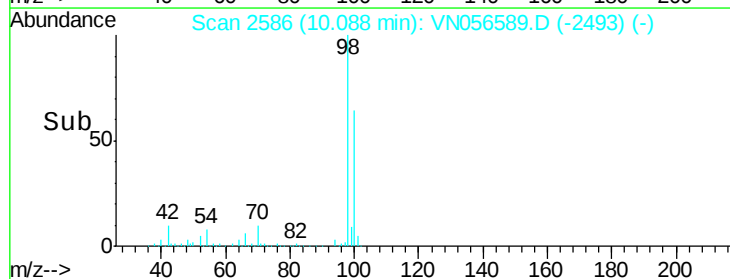
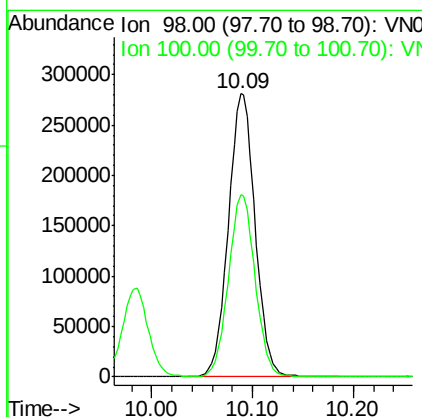
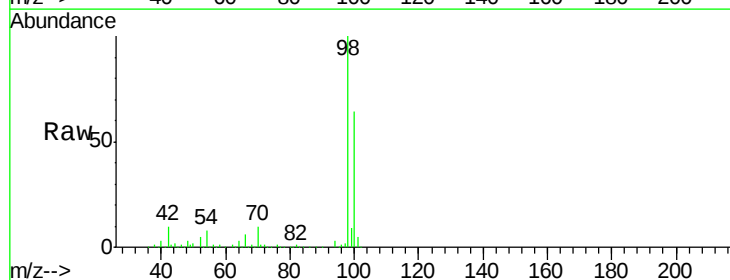
Manual Integrations
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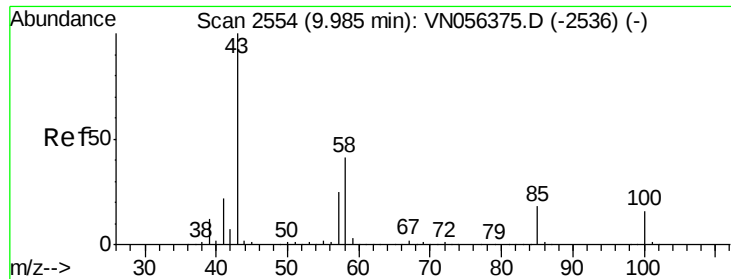
MMDadoda
7/8/2019 10:08:03 AM



#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	98	Resp	518917
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 287.734 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1089399

Ion Ratio Lower Upper

43 100

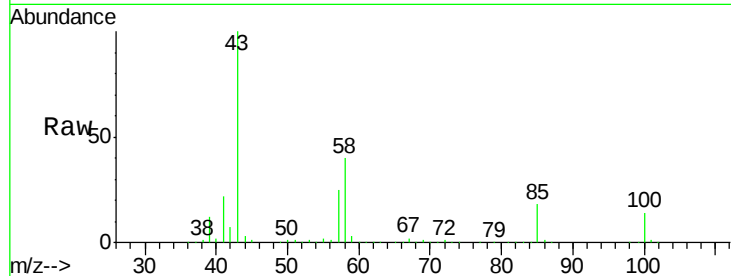
58 39.4 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

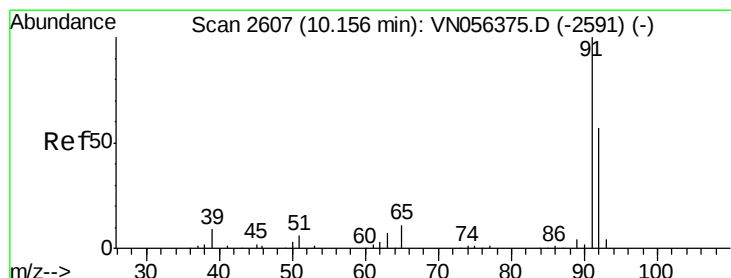
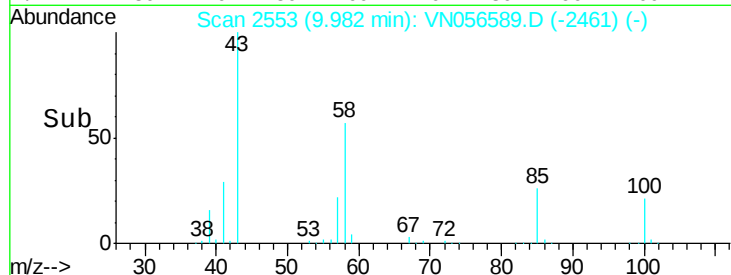
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 51.164 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056589.D

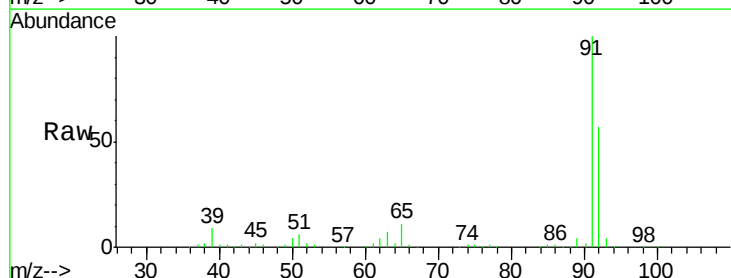
Acq: 3 Jul 2019 16:41

Tgt Ion: 92 Resp: 372467

Ion Ratio Lower Upper

92 100

91 175.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

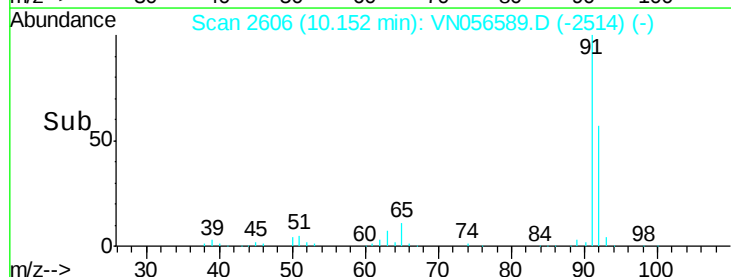
200000

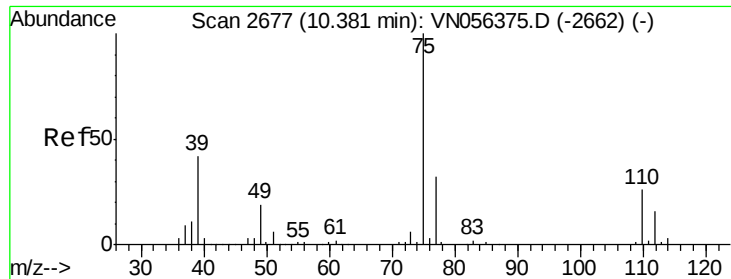
100000

0

10.10 10.20

Time-->





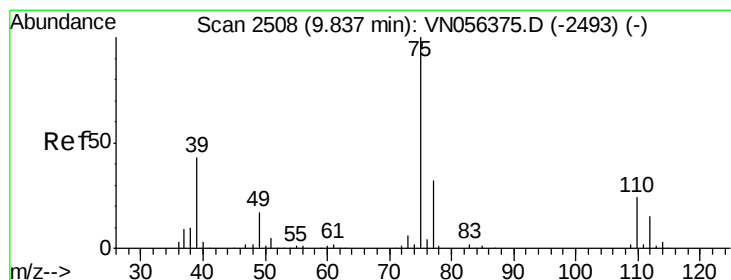
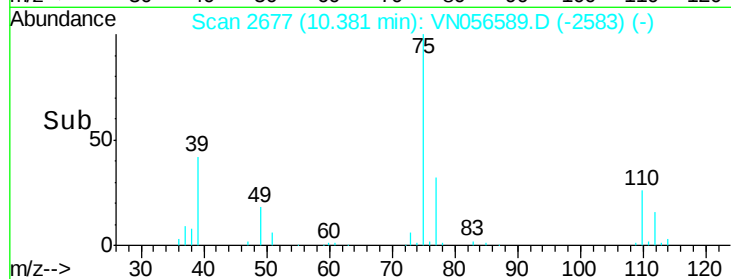
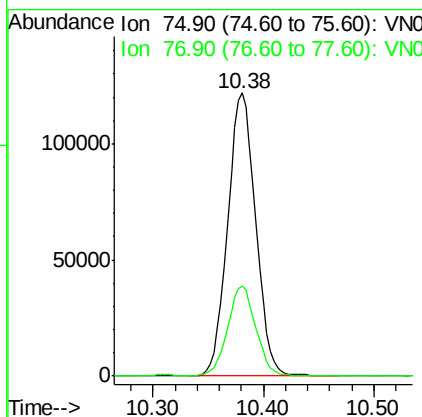
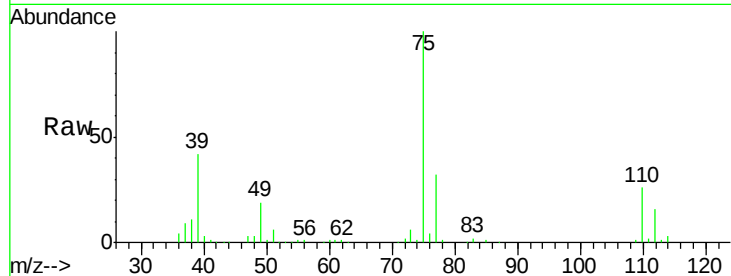
#53
 t-1,3-Dichloropropene
 Concen: 52.008 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 214547
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2

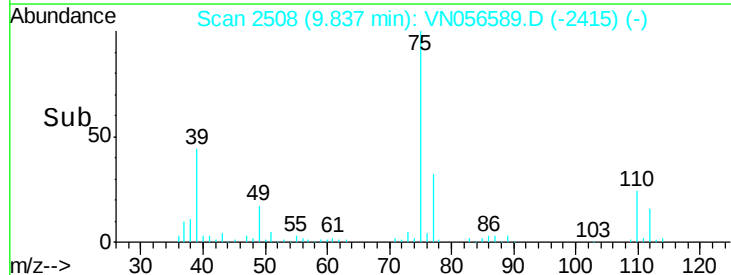
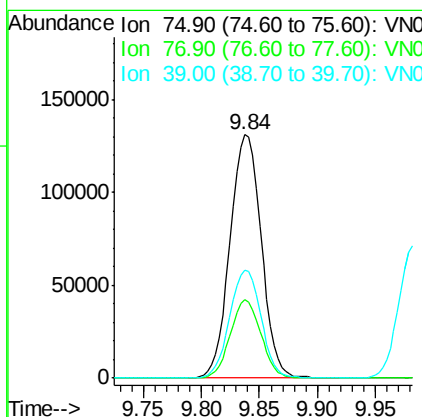
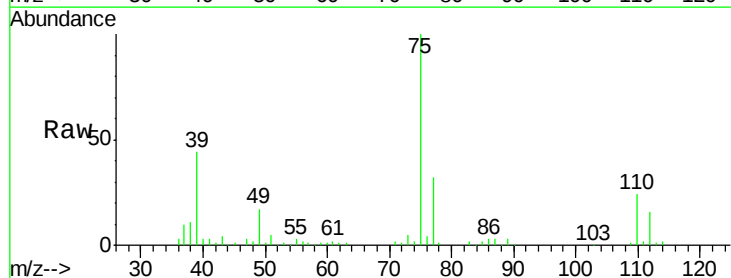
Manual Integrations
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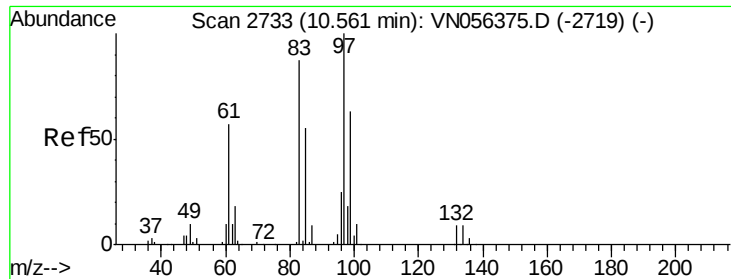
MMDadoda
 7/8/2019 10:08:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 57.738 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion: 75 Resp: 245682
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8
 39 44.2 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 53.682 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

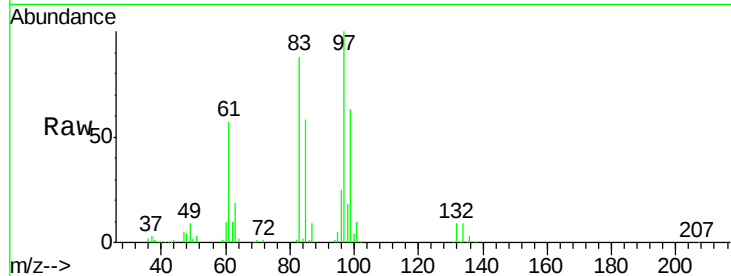
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		157085		
83	88.1	69.8	104.6		
85	57.7	43.8	65.8		
99	63.5	50.2	75.2		

Manual Integrations
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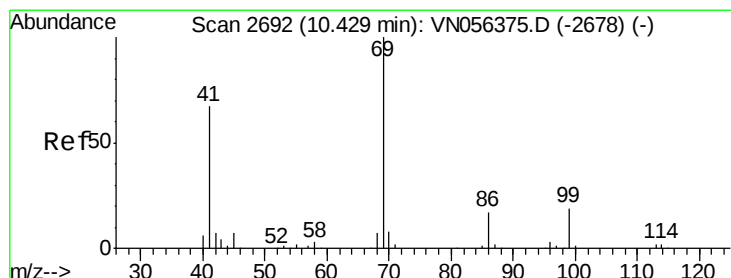
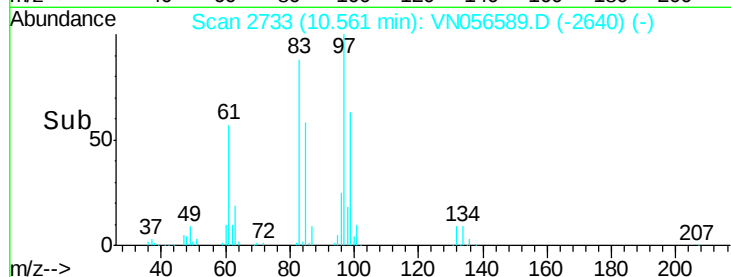
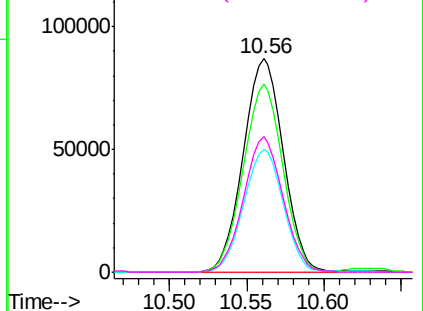


Abundance Ion 96.90 (96.60 to 97.60): VN056589.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN056589.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN056589.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN056589.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 57.945 ug/l

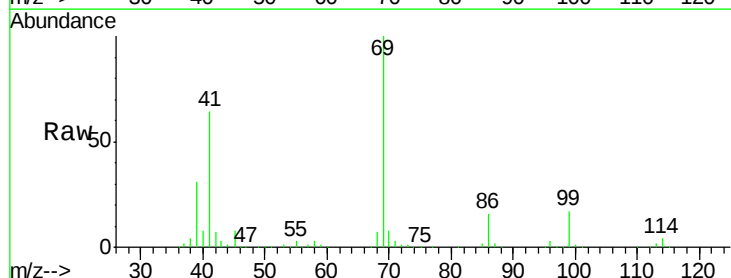
RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

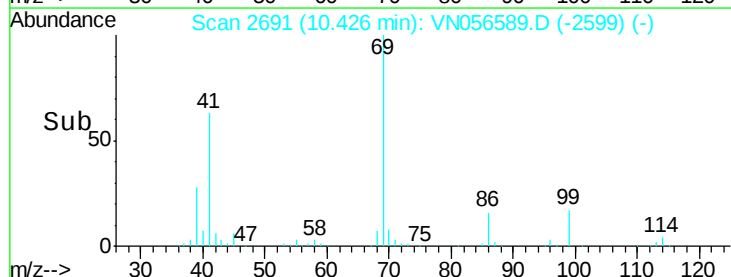
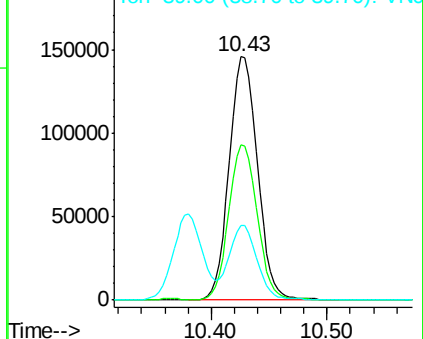
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		247798		
41	63.2	51.4	77.2		
39	30.6	24.7	37.1		

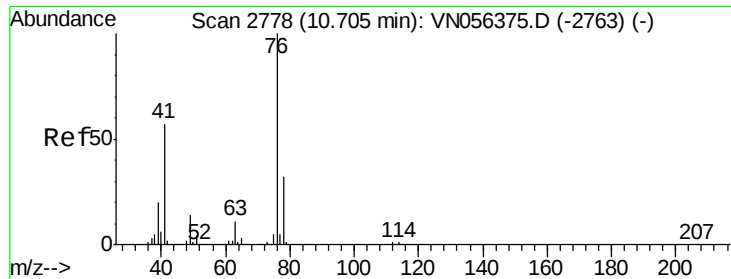


Abundance Ion 69.00 (68.70 to 69.70): VN056589.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN056589.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN056589.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 53.813 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 264535

Ion Ratio Lower Upper

76 100

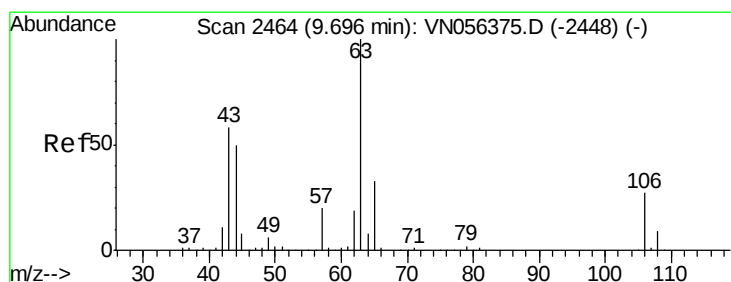
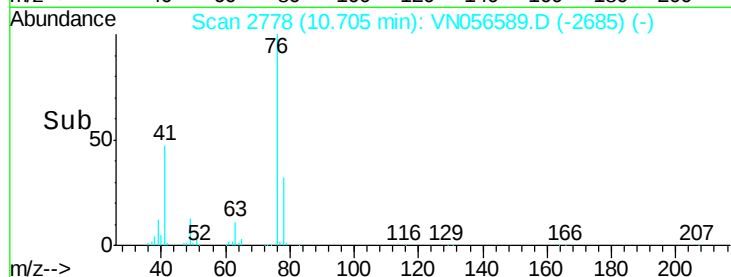
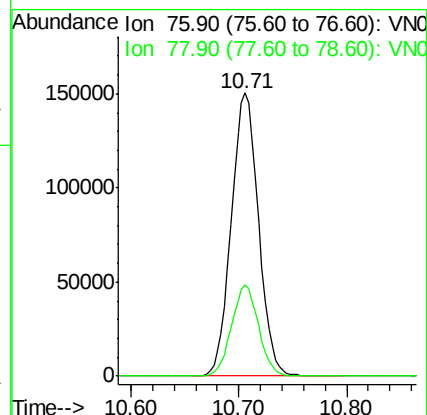
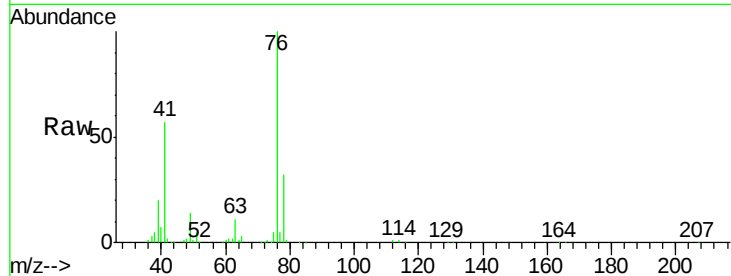
78 32.0 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 410.489 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056589.D

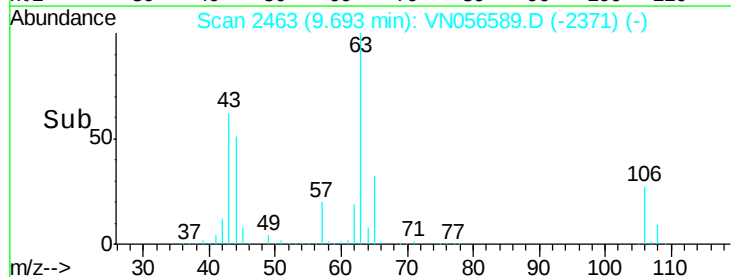
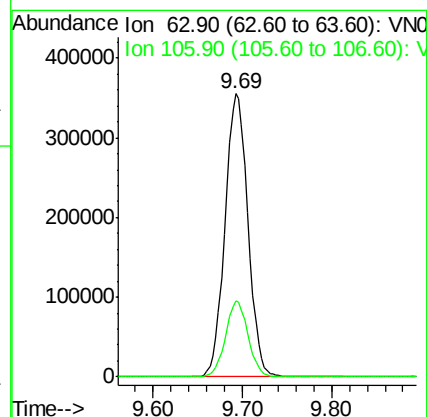
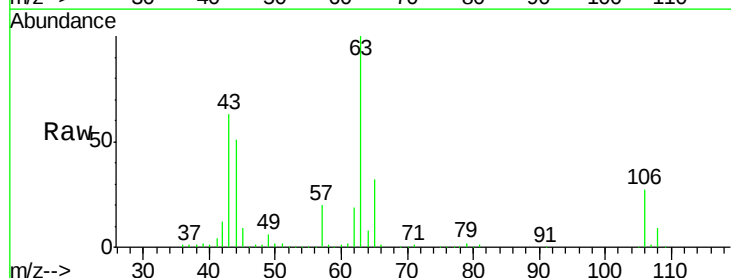
Acq: 3 Jul 2019 16:41

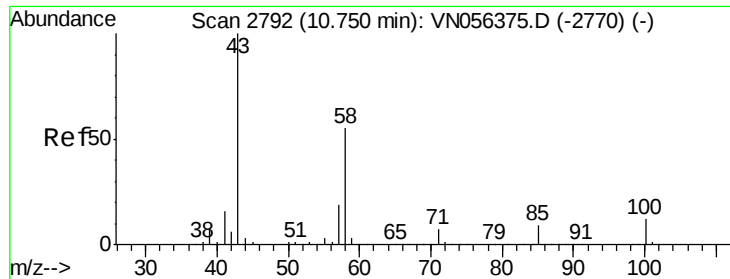
Tgt Ion: 63 Resp: 630637

Ion Ratio Lower Upper

63 100

106 26.2 21.6 32.4





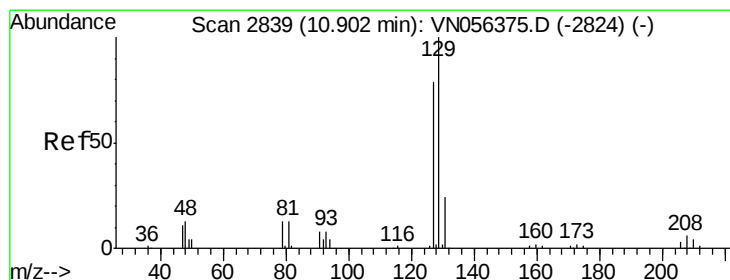
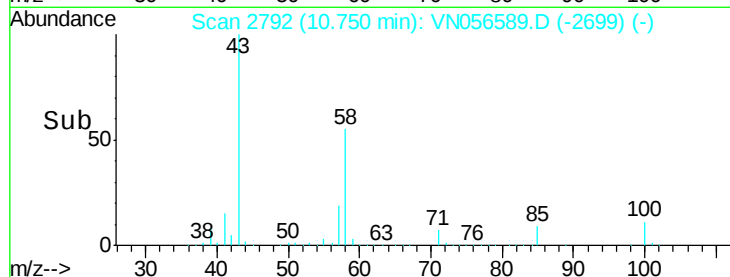
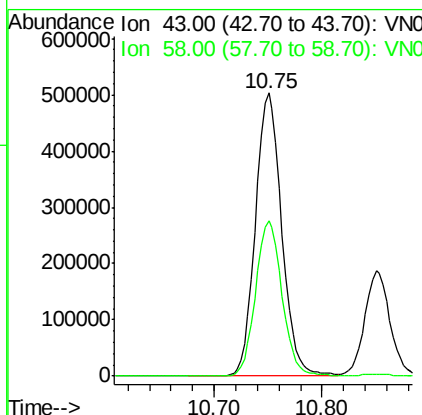
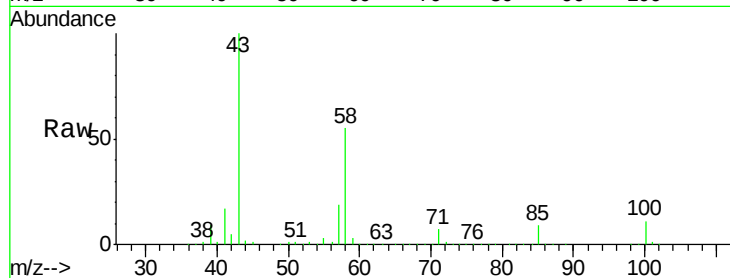
#59
2-Hexanone
Concen: 305.892 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 851201
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

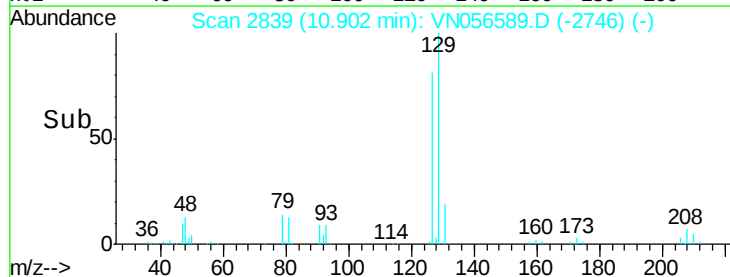
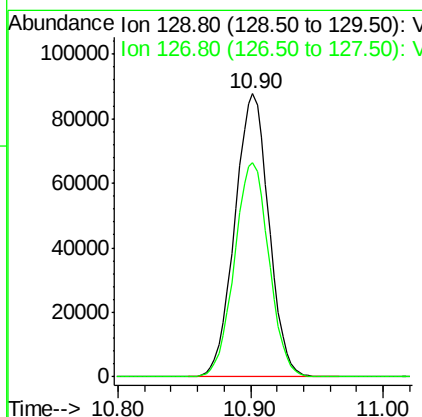
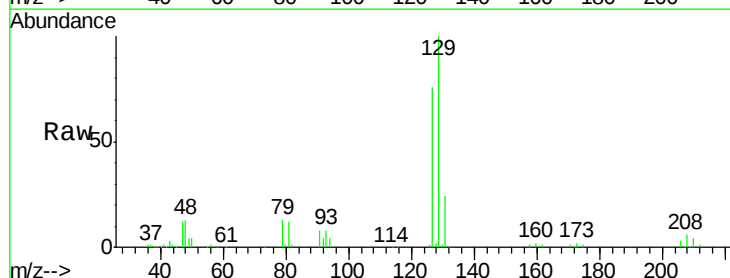
Manual Integrations
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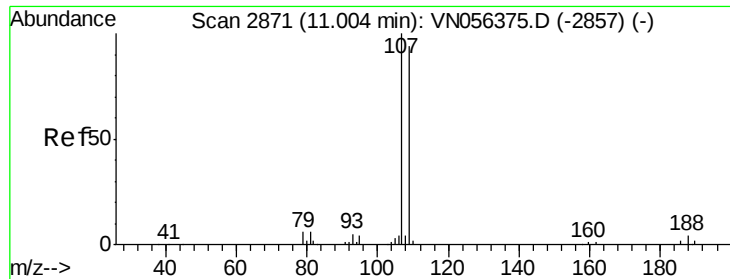
MMDadoda
7/8/2019 10:08:03 AM



#60
Dibromochloromethane
Concen: 51.921 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion: 129 Resp: 156454
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





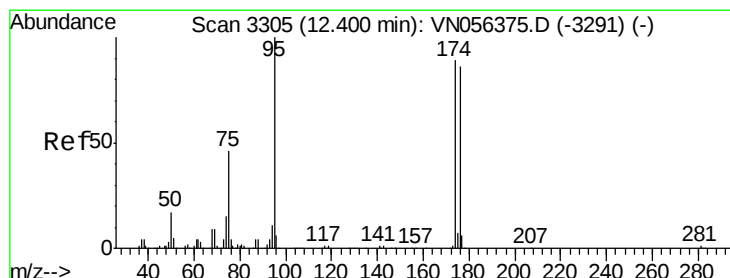
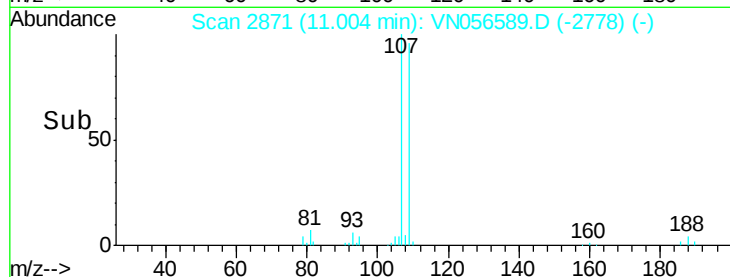
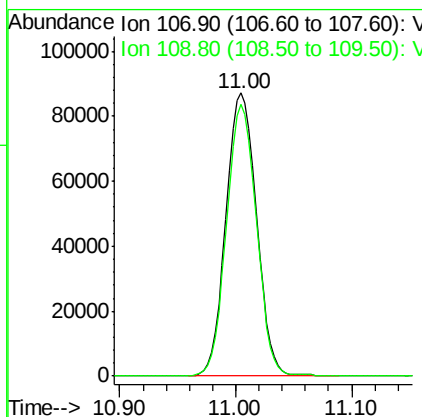
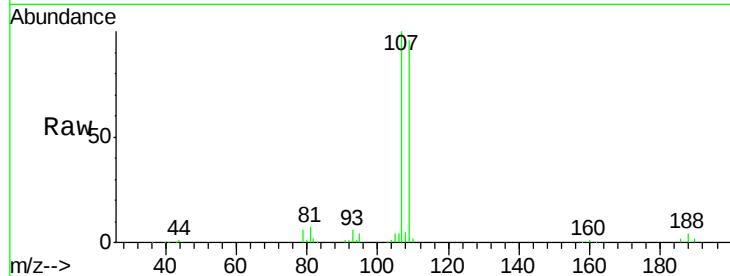
#61
 1,2-Dibromoethane
 Concen: 53.170 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	158907		
109	94.1	75.3	112.9	

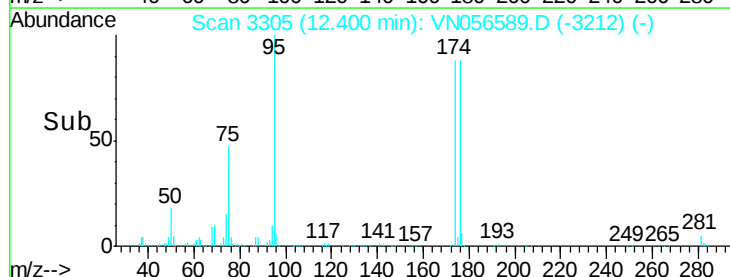
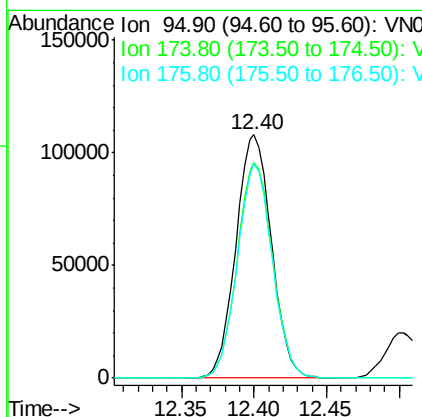
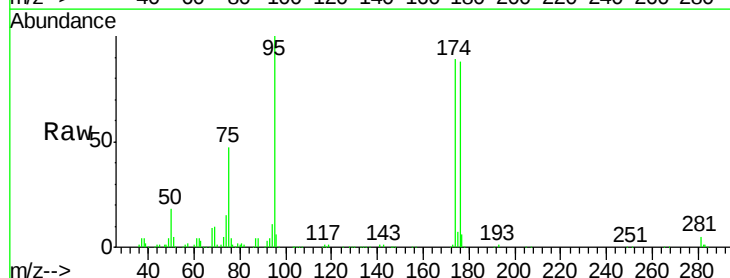
Manual Integrations
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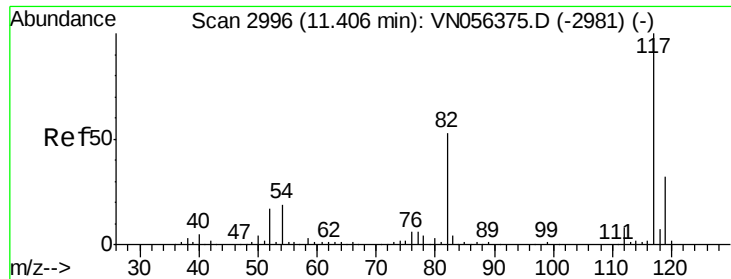
MMDadoda
 7/8/2019 10:08:03 AM



#62
 4-Bromofluorobenzene
 Concen: 51.724 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	184075		
174	88.2	0.0	179.4	
176	86.6	0.0	173.4	





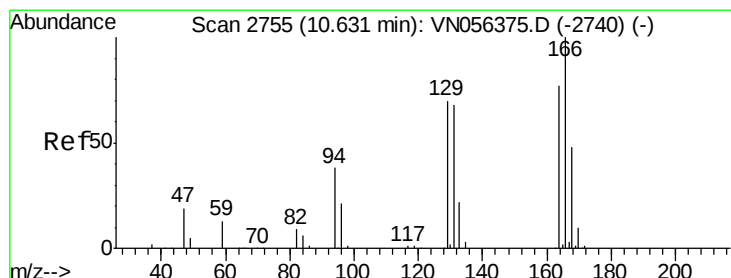
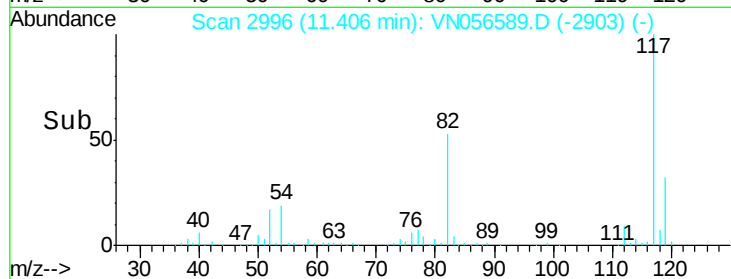
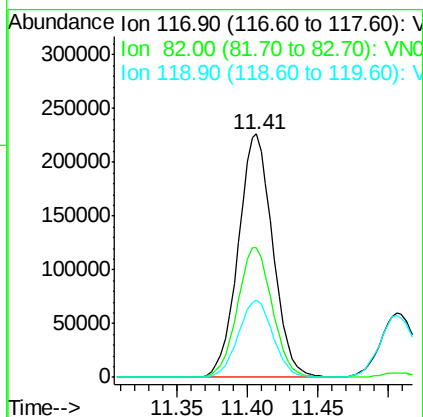
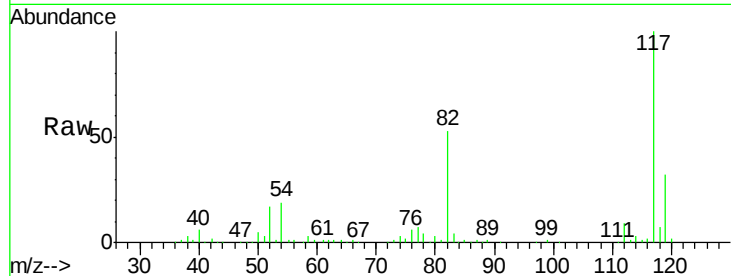
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.0	63.0
119	31.7	25.3	37.9

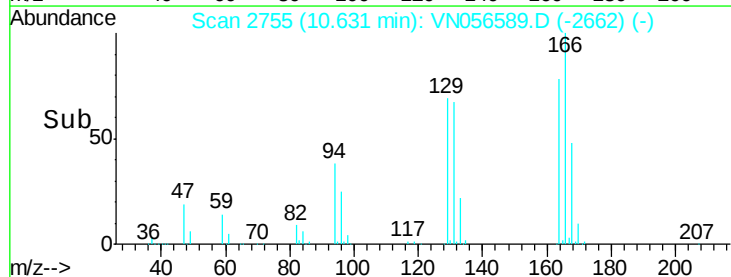
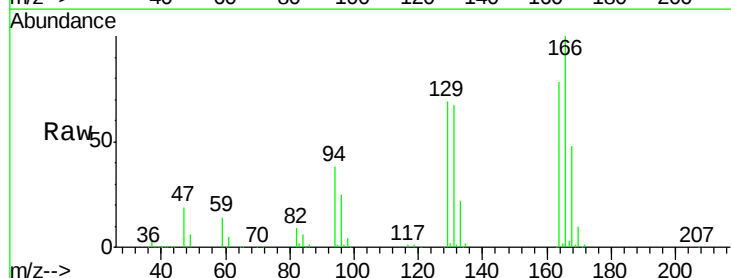
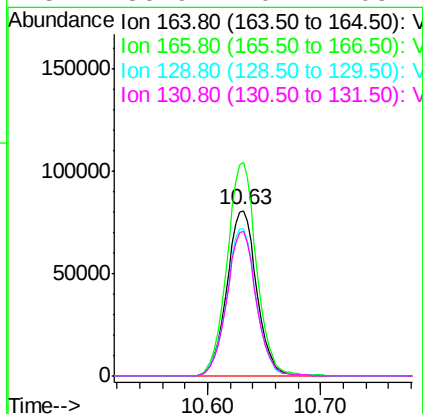
Manual Integrations
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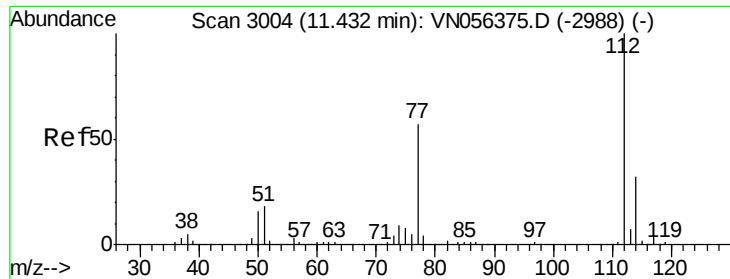
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#64
Tetrachloroethene
Concen: 48.207 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.4	155.0
129	88.8	72.0	108.0
131	86.9	70.2	105.2





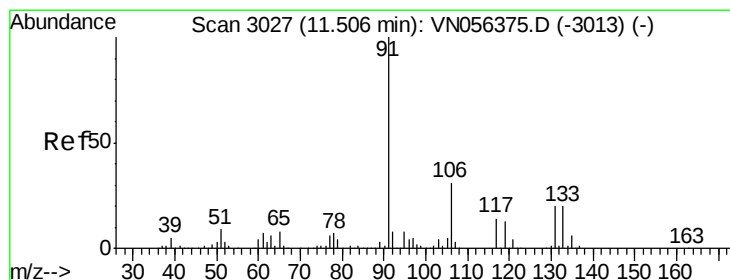
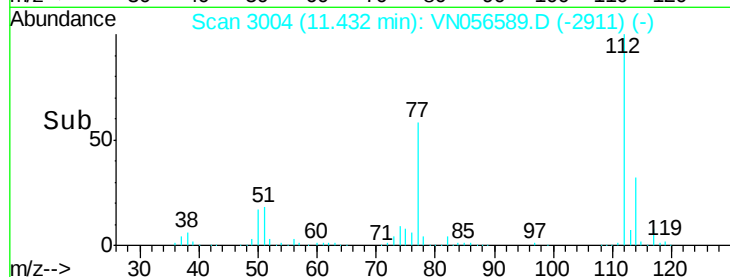
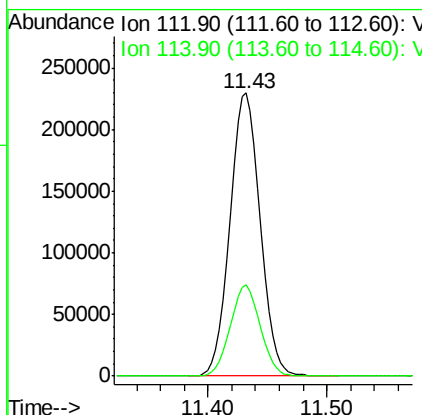
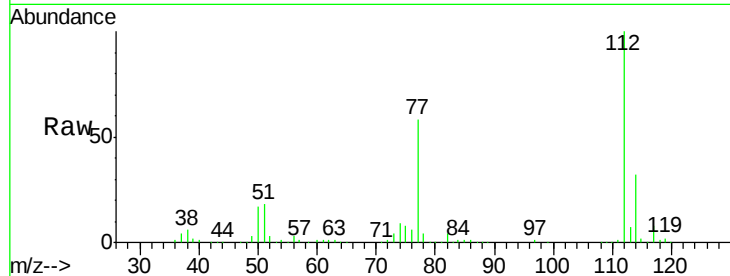
#65
Chlorobenzene
Concen: 51.759 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 403227
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

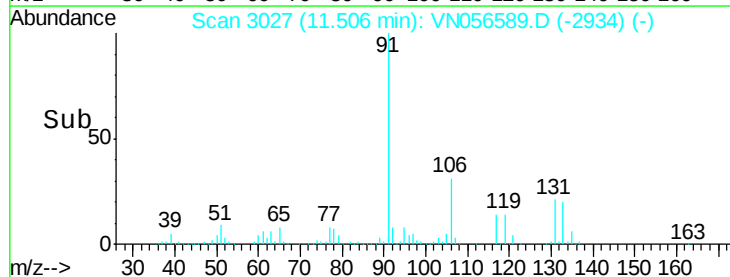
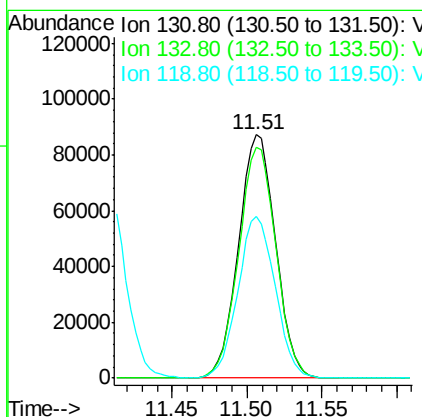
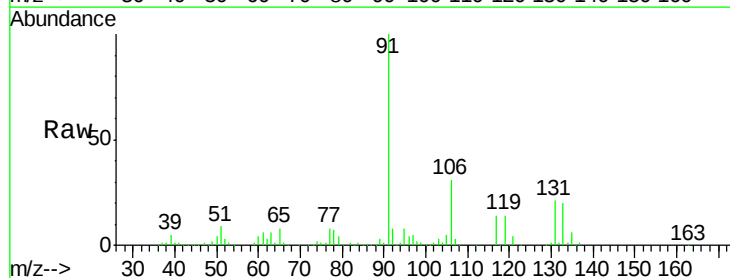
Manual Integrations
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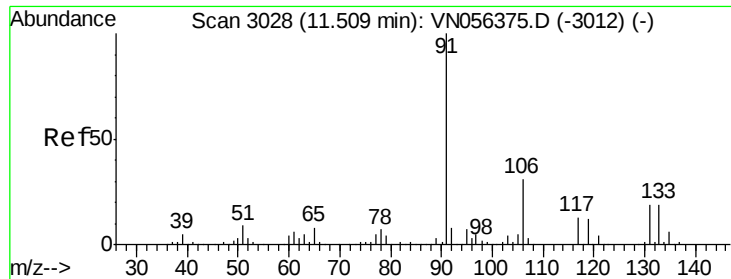
MMDadoda
7/8/2019 10:08:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.143 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion:131 Resp: 150456
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.2
119 67.0 32.8 98.4





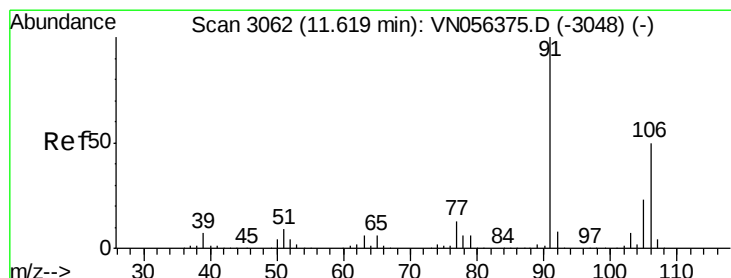
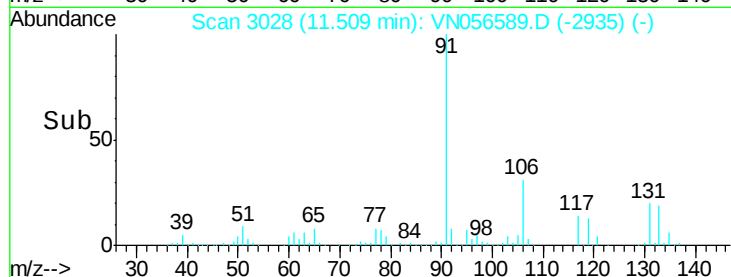
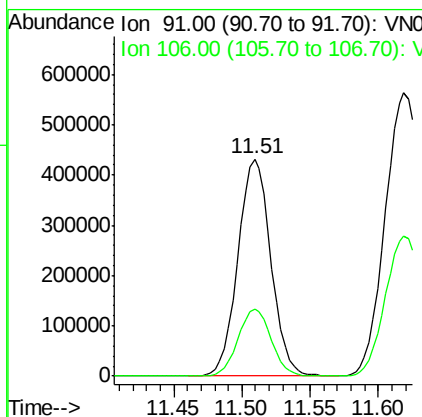
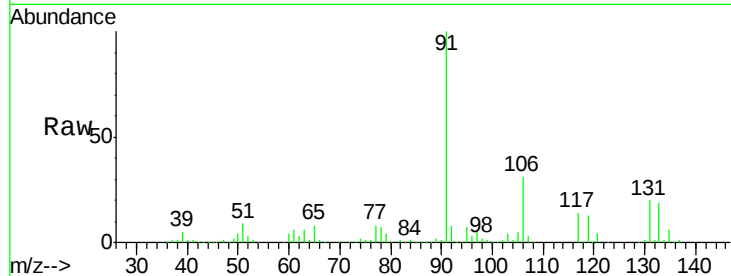
#67
Ethyl Benzene
Concen: 52.903 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 723661
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

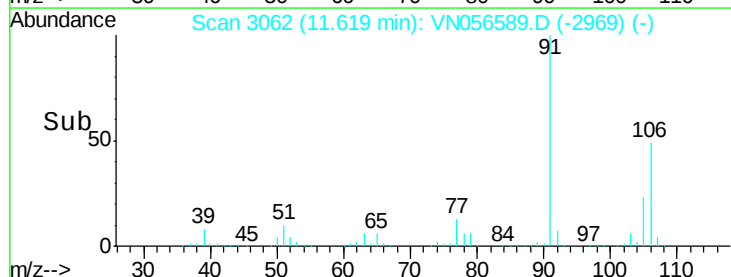
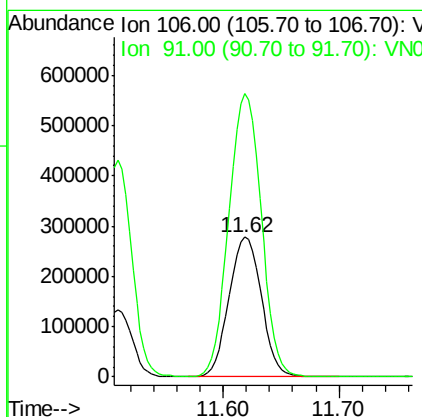
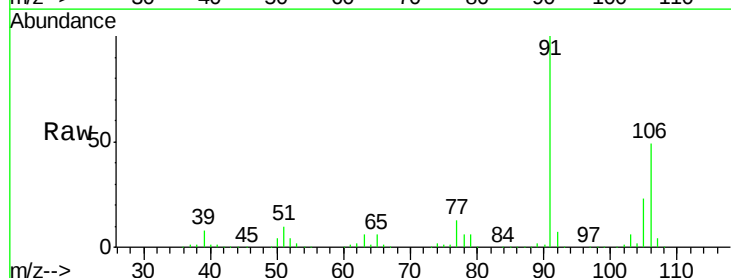
Manual Integrations
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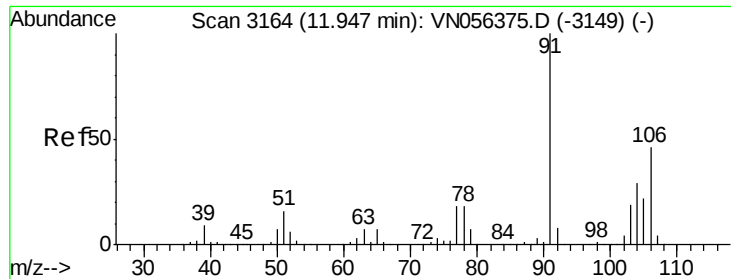
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#68
m/p-Xylenes
Concen: 107.549 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion: 106 Resp: 539147
Ion Ratio Lower Upper
106 100
91 202.4 160.1 240.1





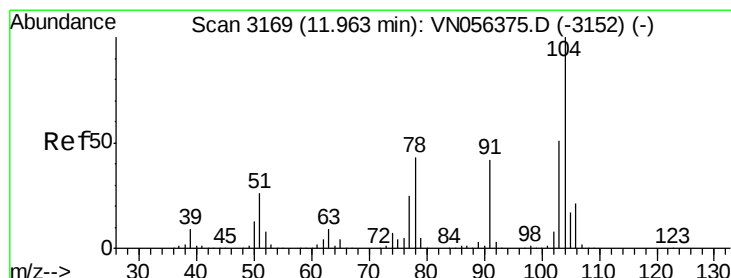
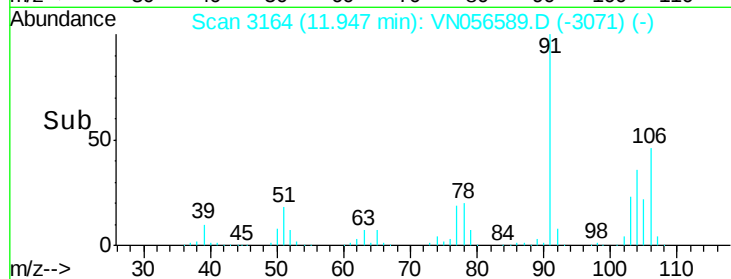
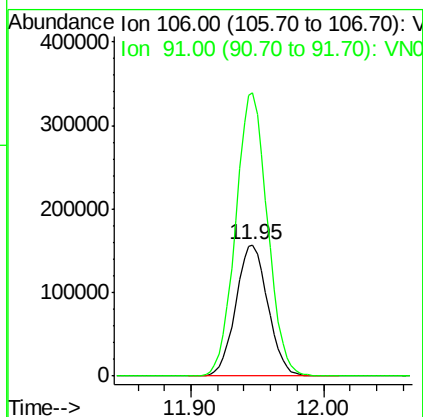
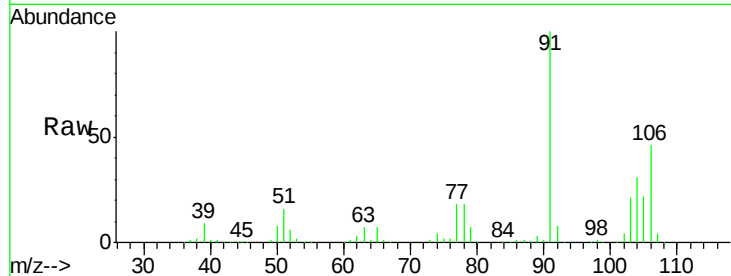
#69
o-Xylene
Concen: 53.213 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 263911
Ion Ratio Lower Upper
106 100
91 214.1 107.1 321.3

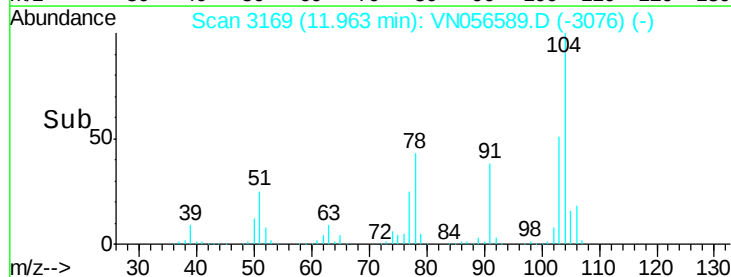
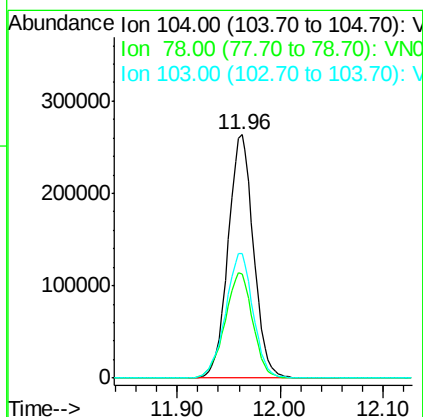
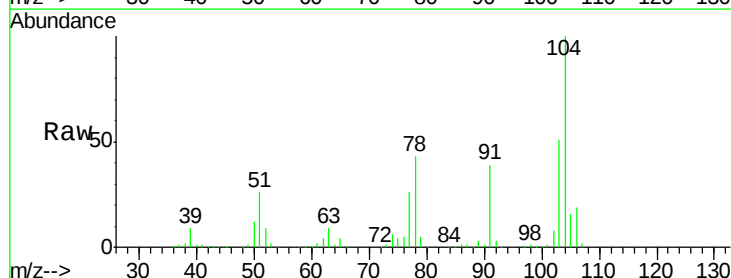
Manual Integrations
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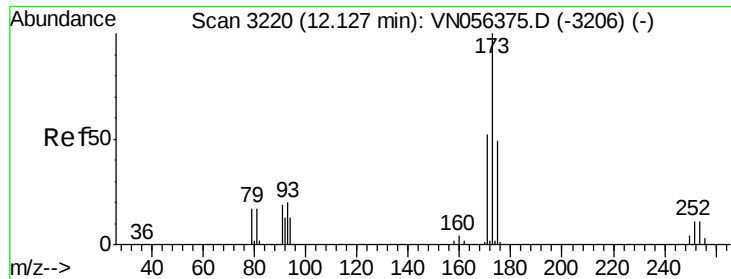
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#70
Styrene
Concen: 57.054 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion:104 Resp: 452291
Ion Ratio Lower Upper
104 100
78 47.4 38.6 57.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 52.441 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 111739

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

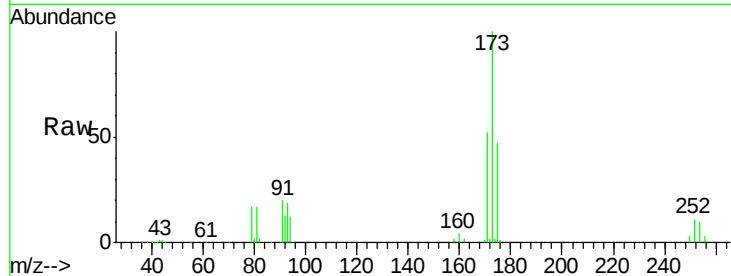
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

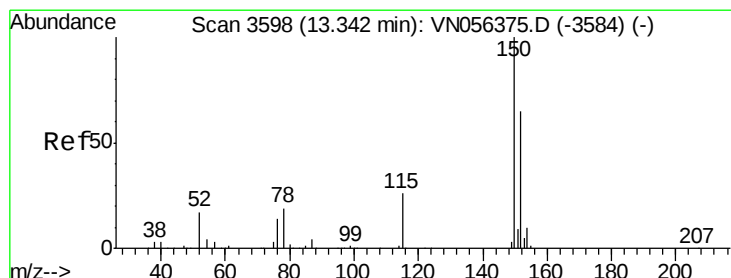
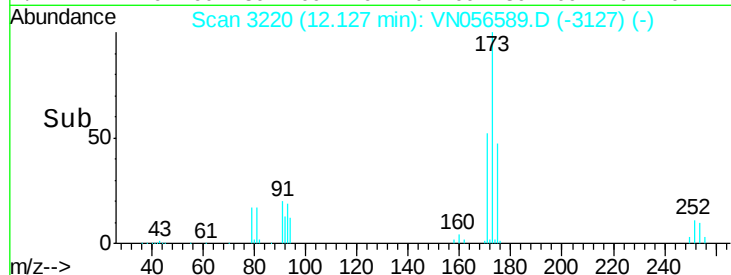
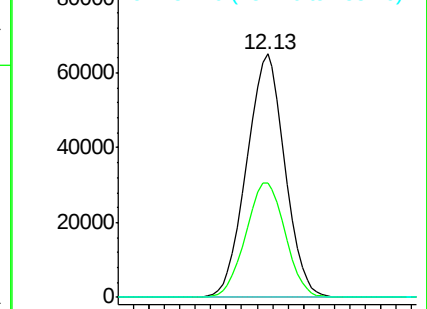
7/8/2019 10:08:03 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

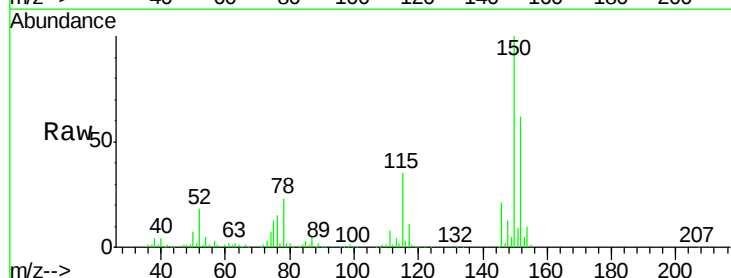
Tgt Ion:152 Resp: 179451

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.4

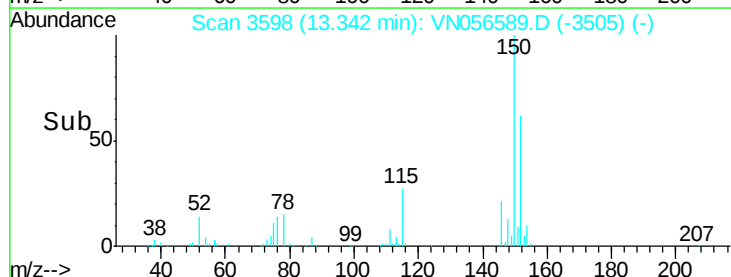
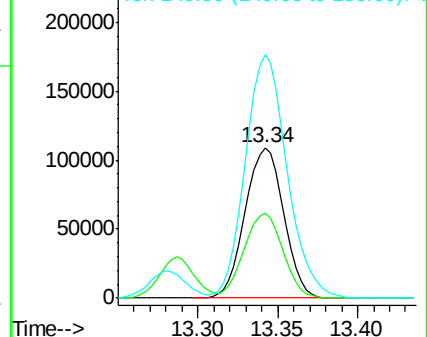
150 175.3 0.0 348.4

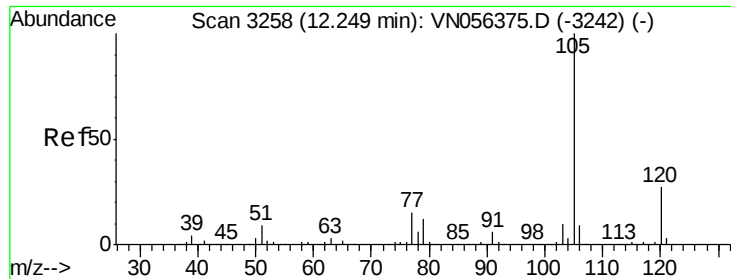


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





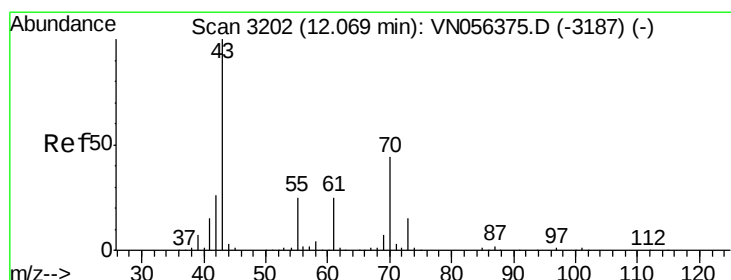
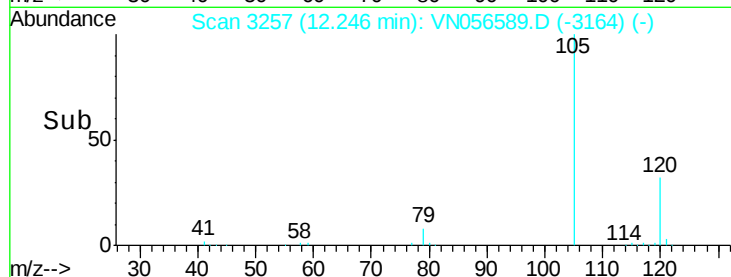
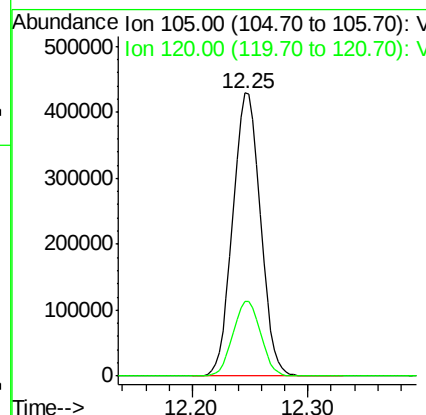
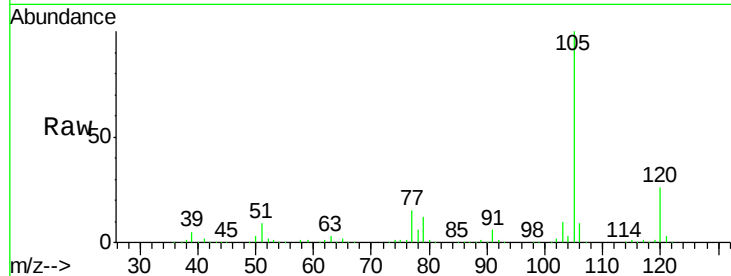
#73
Isopropylbenzene
Concen: 52.552 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 706475
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

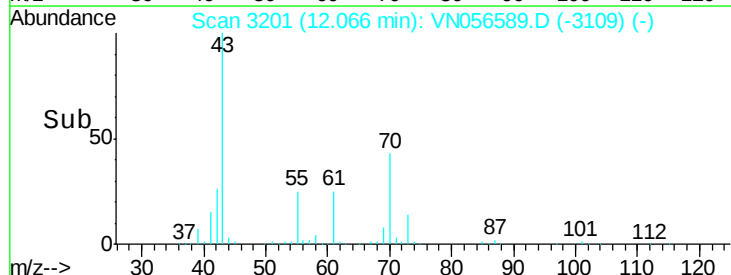
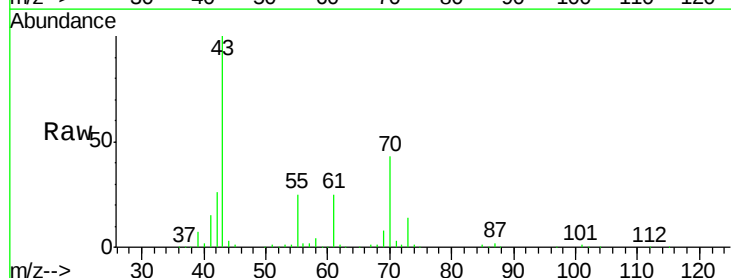
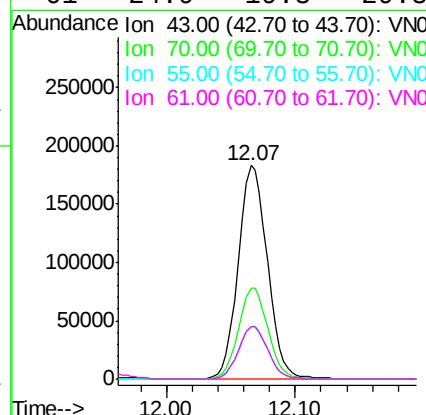
Manual Integrations
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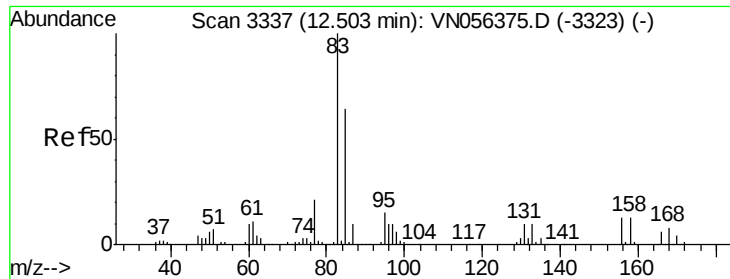
MMDadoda
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#74
N-ethyl acetate
Concen: 50.594 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion: 43 Resp: 288954
Ion Ratio Lower Upper
43 100
70 43.1 34.9 52.3
55 24.9 20.4 30.6
61 24.9 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 56.329 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

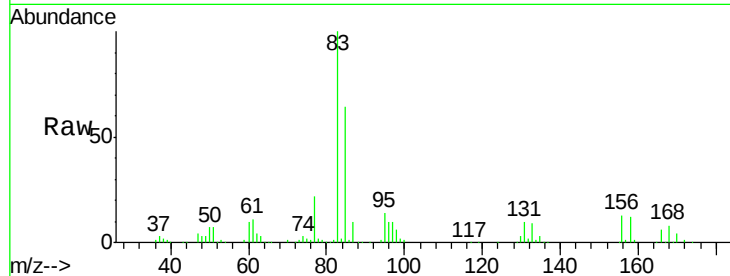
ClientSampled :

VSTDCCC050

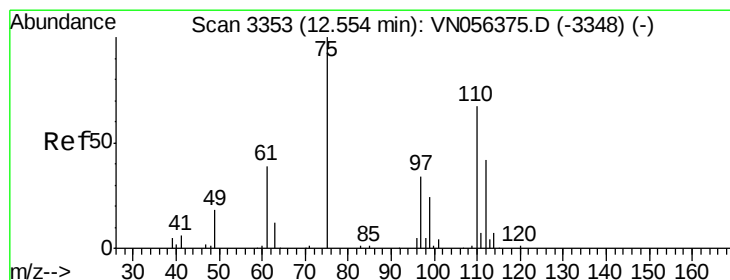
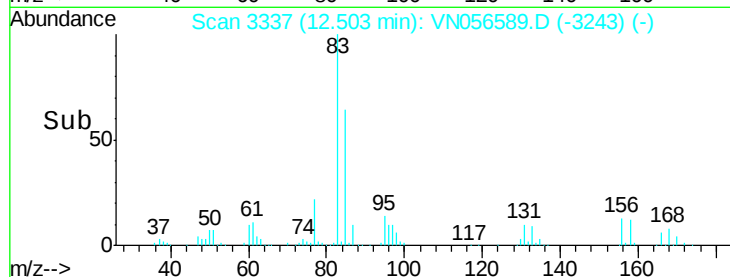
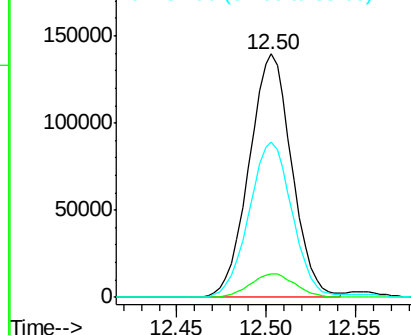
Tot Ion:	83	Resp:	233423
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.4	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 54.342 ug/l m

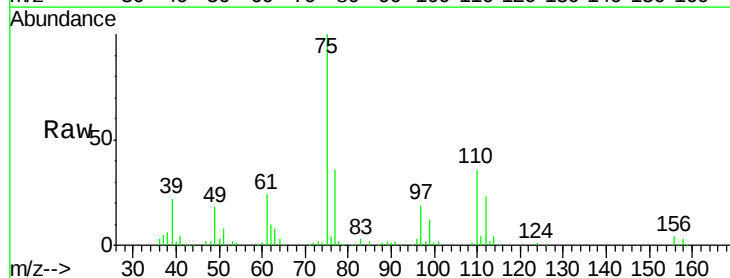
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

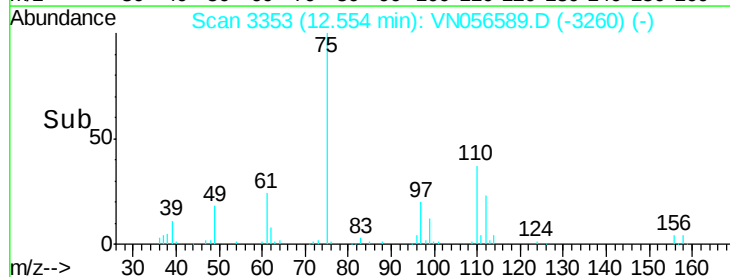
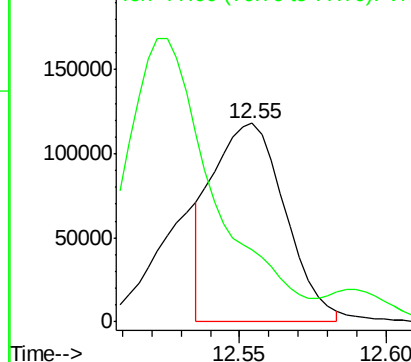
Lab File: VN056589.D

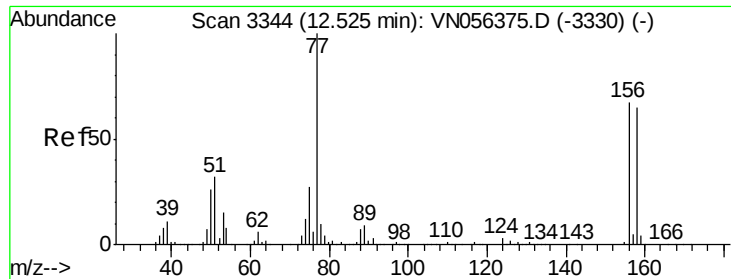
Acq: 3 Jul 2019 16:41

Tgt Ion:	75	Resp:	202204
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 45.757 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

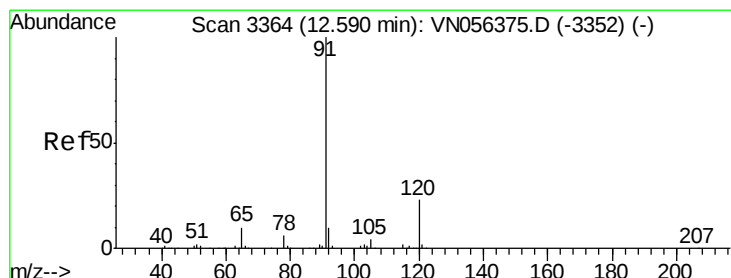
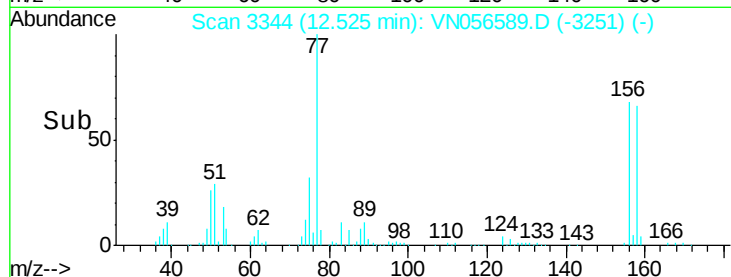
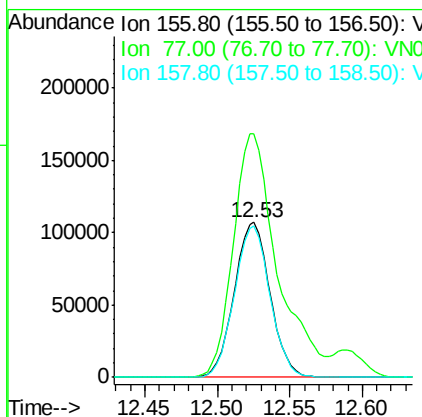
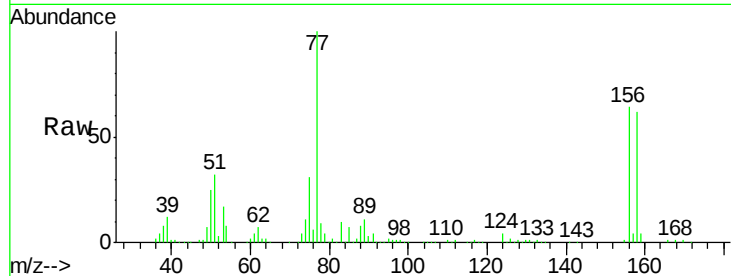
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.4	92.5	277.3
158	97.1	48.7	146.1

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#78

n-propylbenzene

Concen: 49.154 ug/l

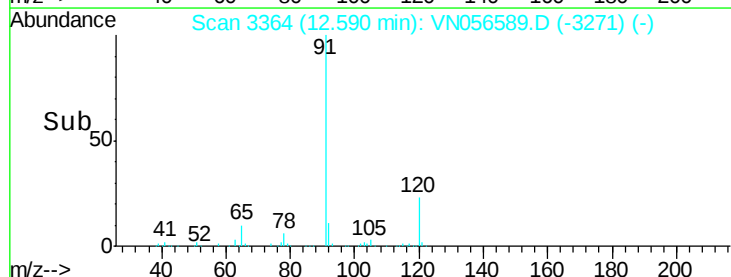
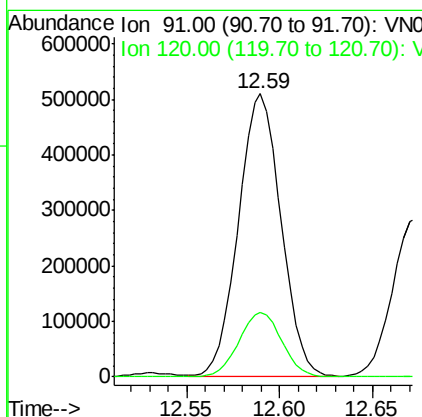
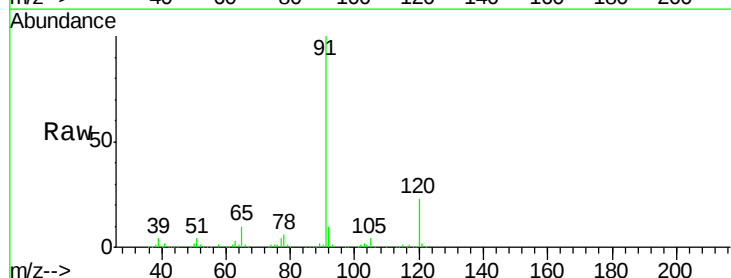
RT: 12.59 min Scan# 3364

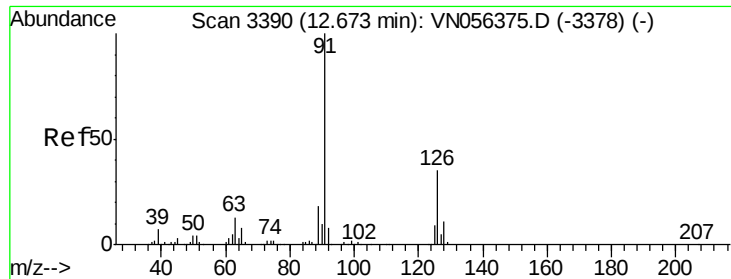
Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 53.110 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 477163

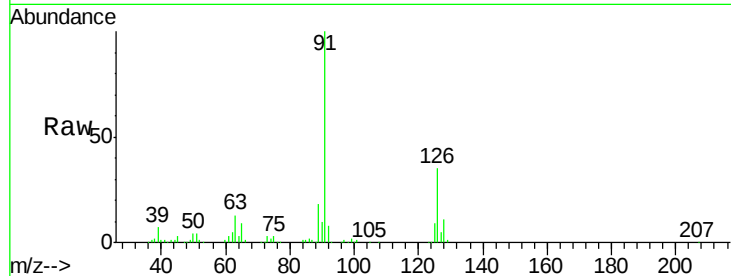
Ion Ratio Lower Upper

91 100

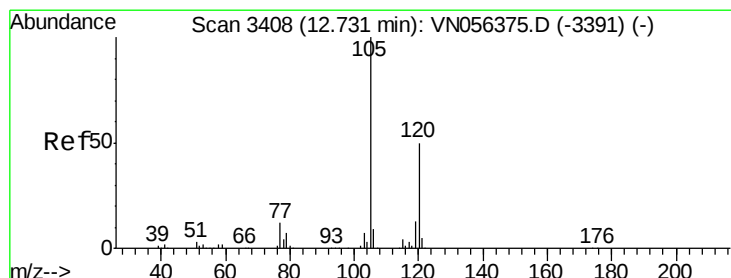
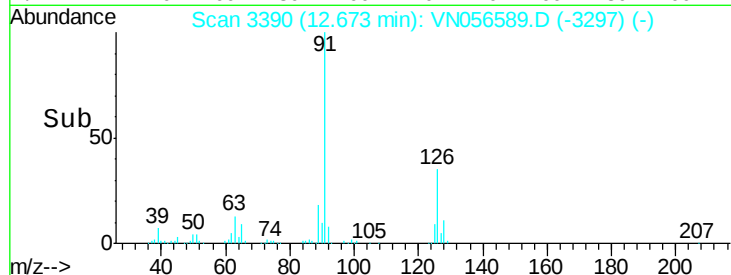
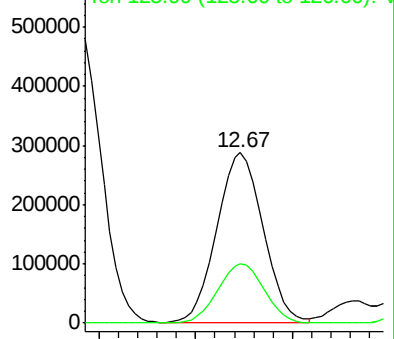
126 35.1 17.6 52.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.426 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056589.D

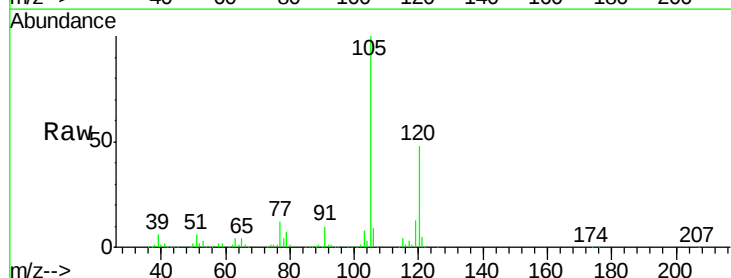
Acq: 3 Jul 2019 16:41

Tgt Ion: 105 Resp: 601617

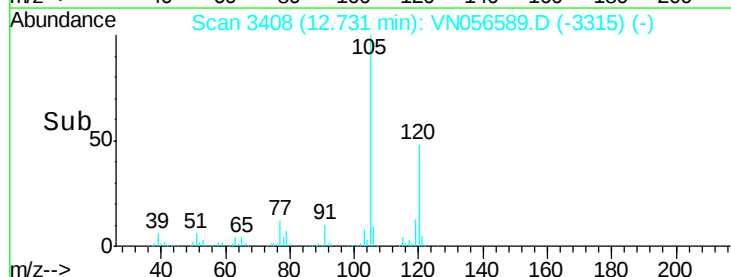
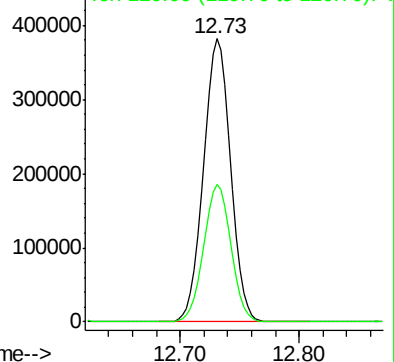
Ion Ratio Lower Upper

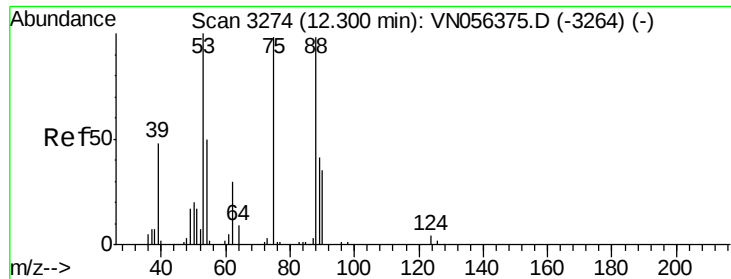
105 100

120 48.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 61.118 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 63986

Ion Ratio Lower Upper

75 100

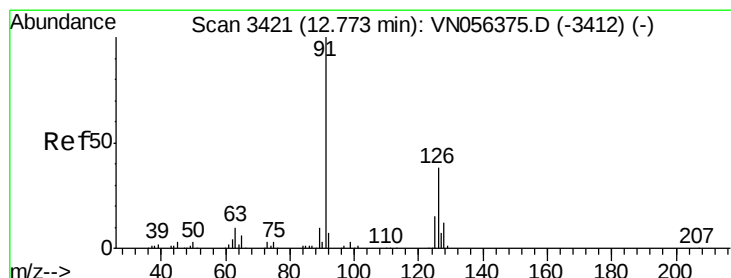
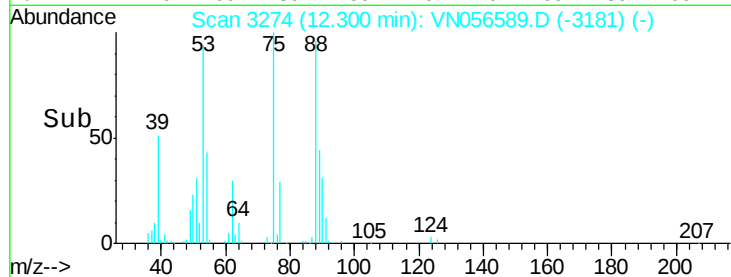
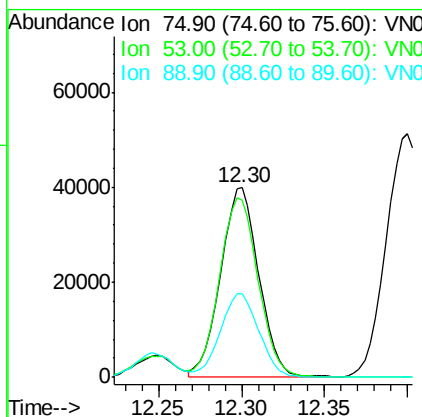
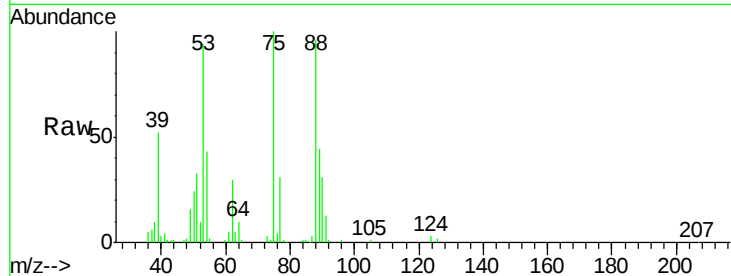
53 96.2 83.9 125.9

89 44.4 35.0 52.6

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#82

4-Chlorotoluene

Concen: 48.926 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056589.D

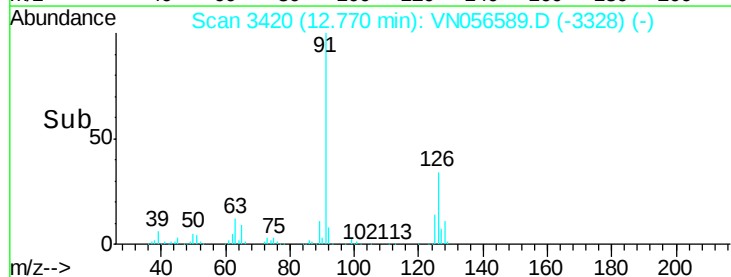
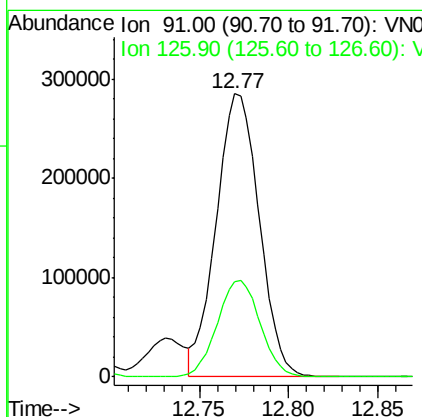
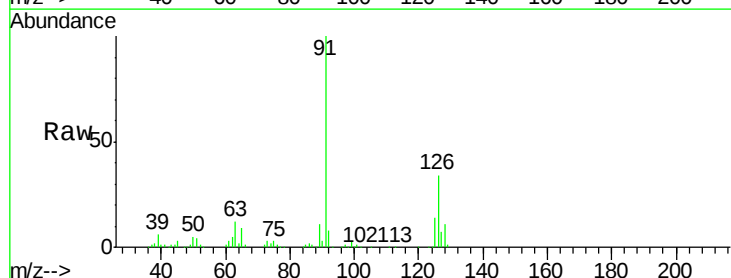
Acq: 3 Jul 2019 16:41

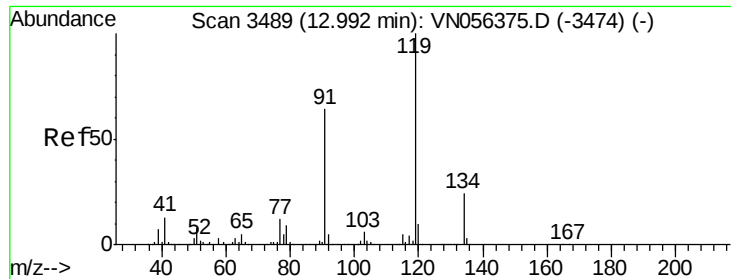
Tgt Ion: 91 Resp: 474723

Ion Ratio Lower Upper

91 100

126 34.3 17.3 52.0





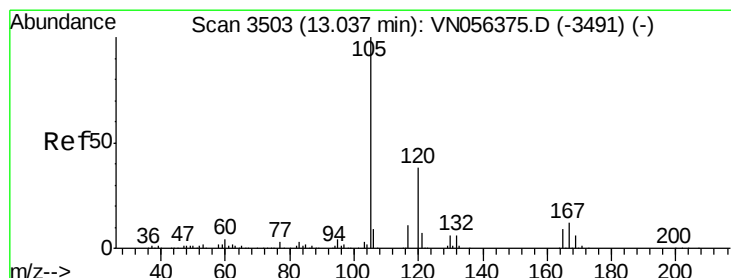
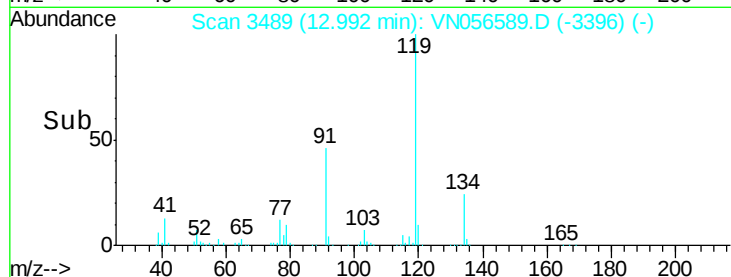
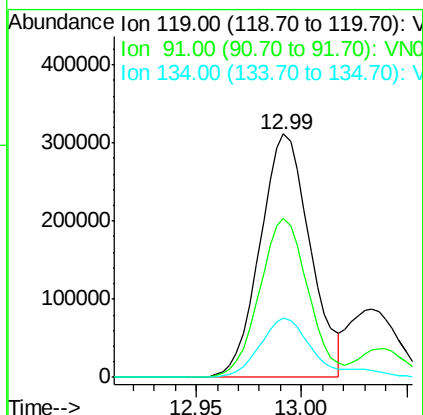
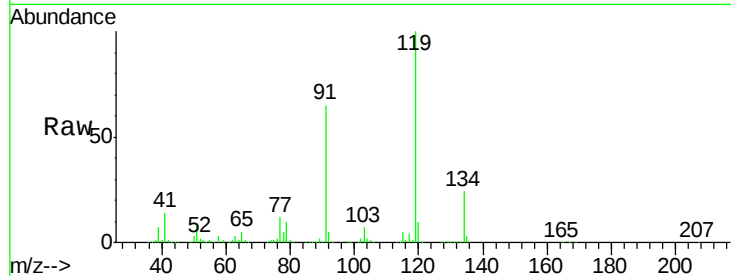
#83
 tert-Butylbenzene
 Concen: 52.508 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	94.7
134	26.5	13.2	39.5

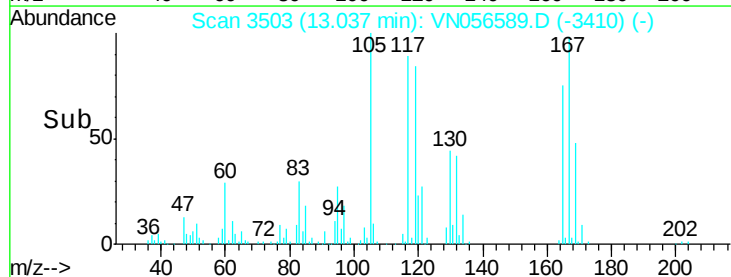
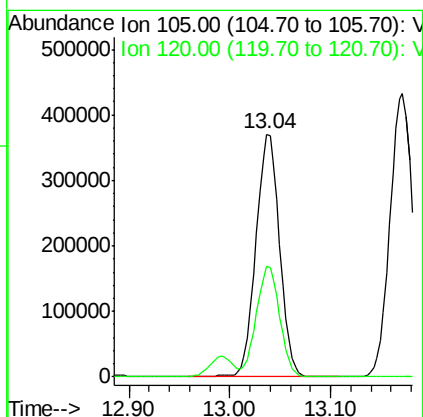
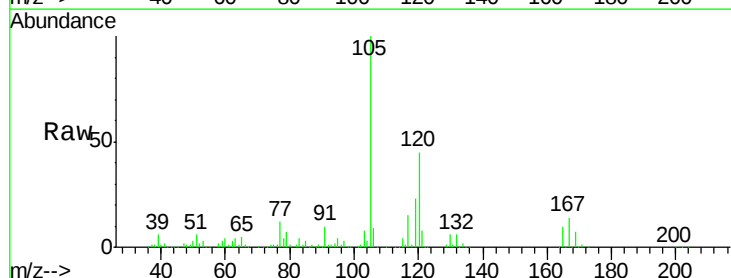
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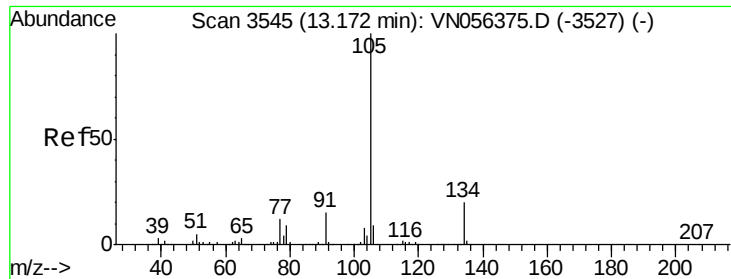
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.660 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 47.574 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 687160

Ion Ratio Lower Upper

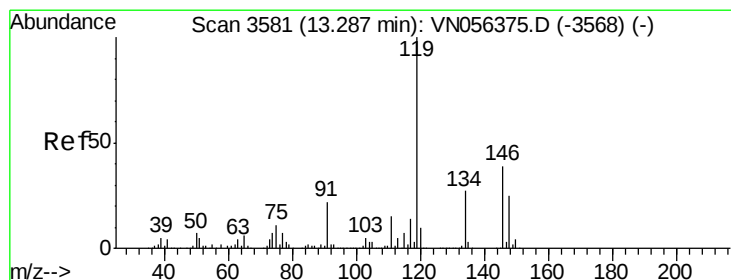
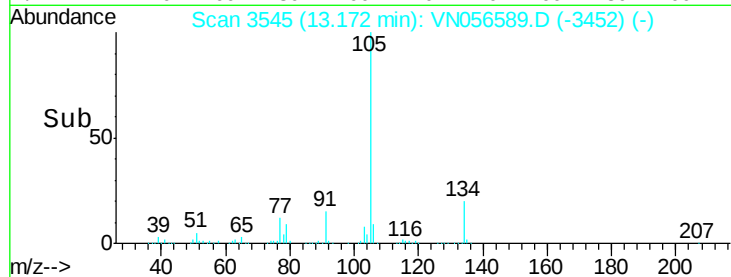
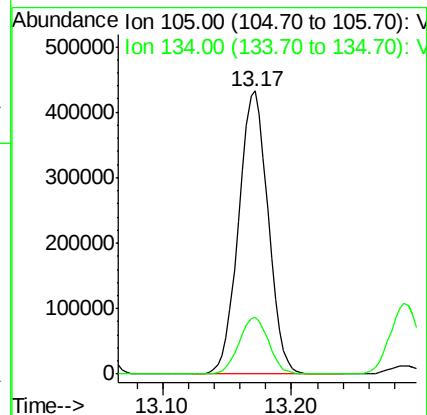
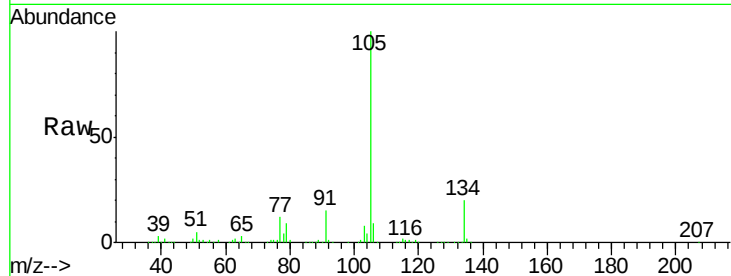
105 100

134 20.1 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 51.011 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

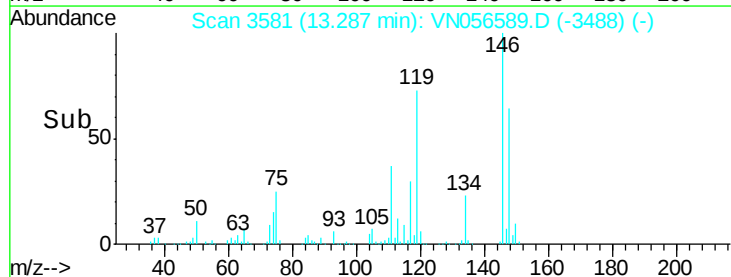
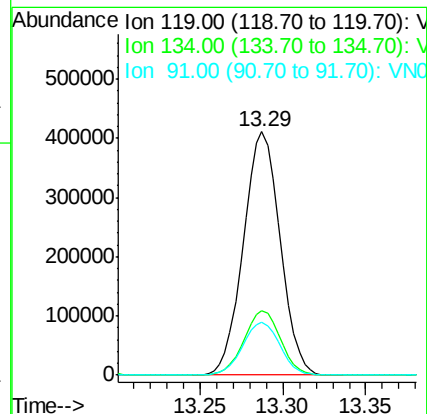
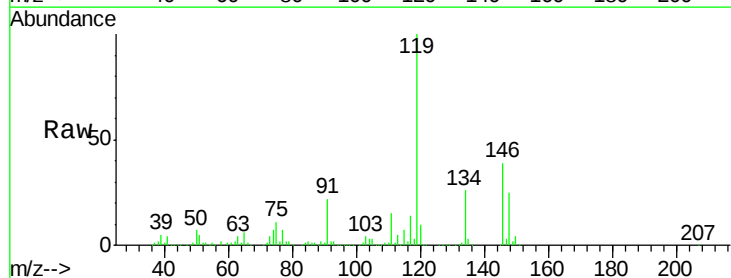
Tgt Ion:119 Resp: 632331

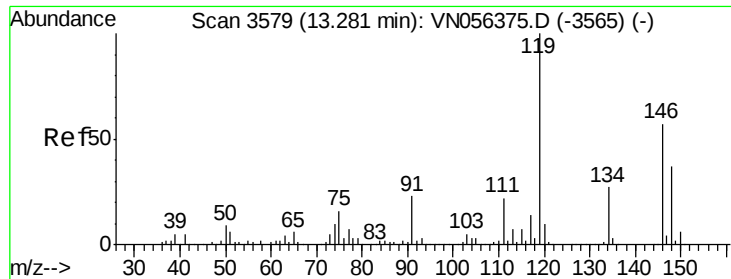
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 22.2 11.2 33.5





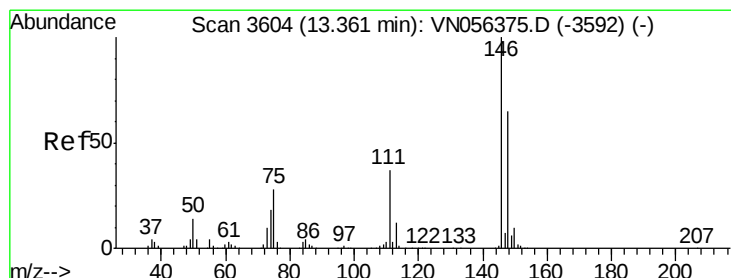
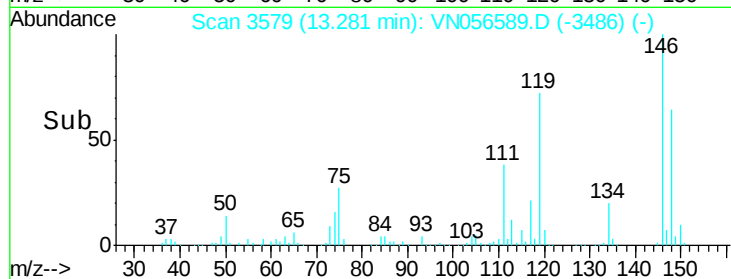
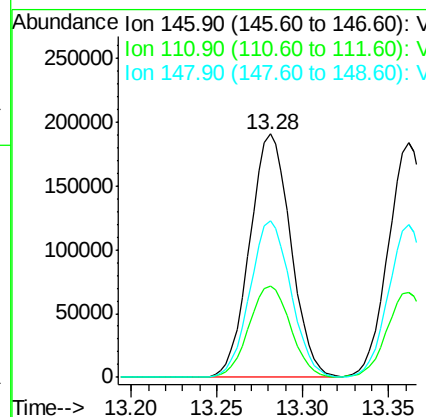
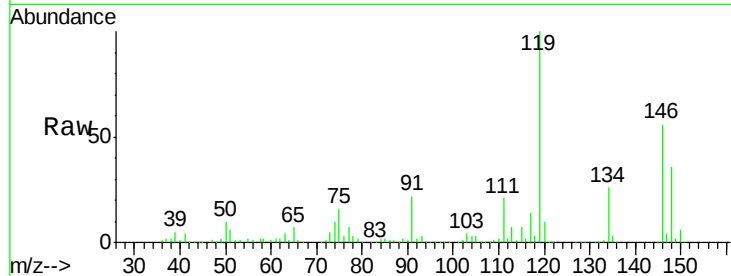
#87
 1,3-Dichlorobenzene
 Concen: 51.840 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.2	32.1	96.5

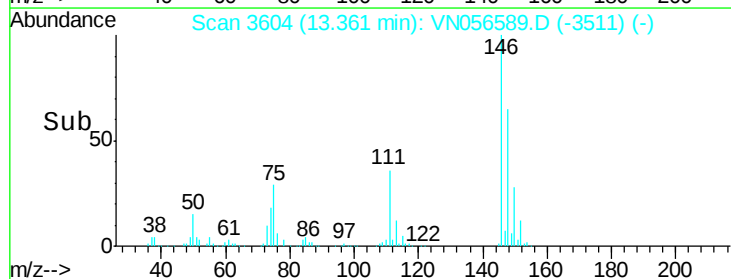
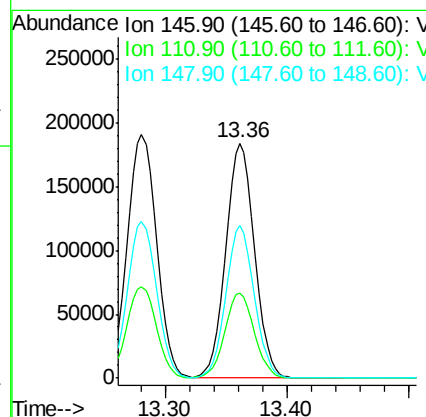
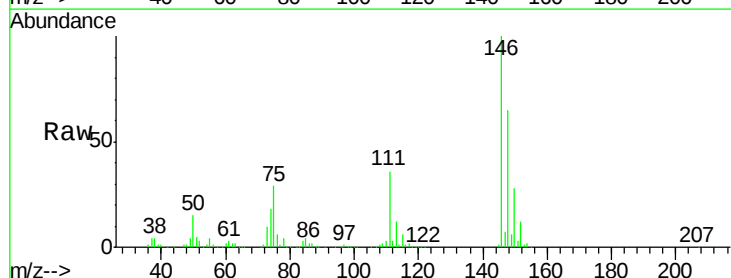
Manual Integrations
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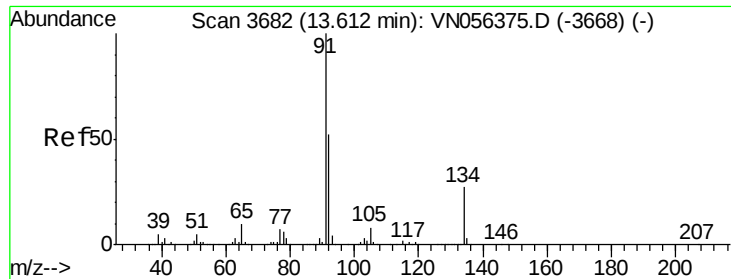
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#88
 1,4-Dichlorobenzene
 Concen: 51.737 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.4
148	64.2	32.4	97.0





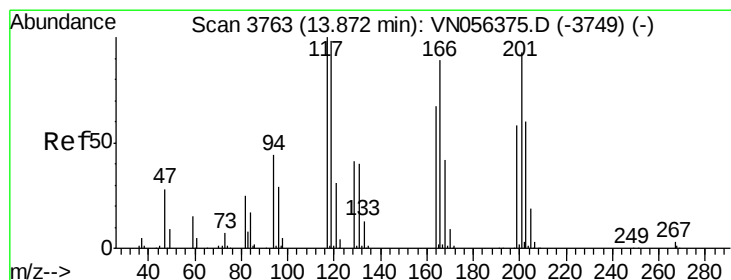
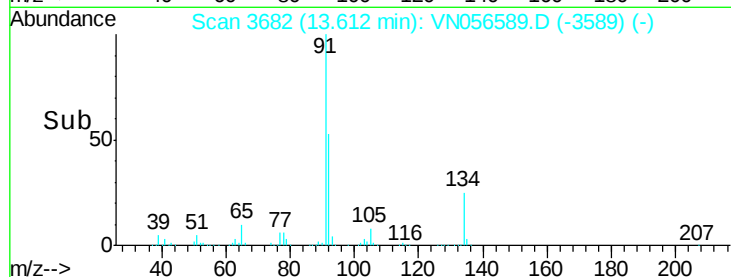
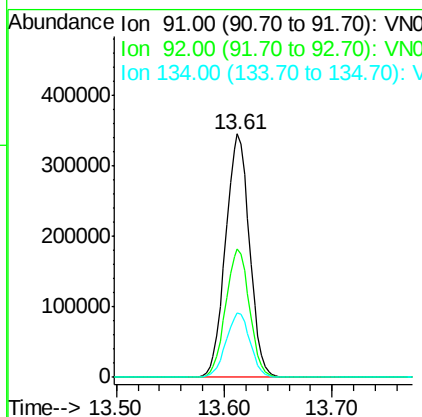
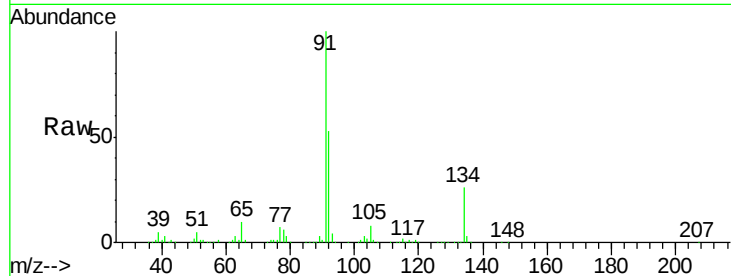
#89
n-Butylbenzene
Concen: 56.760 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	26.5	13.4	40.2

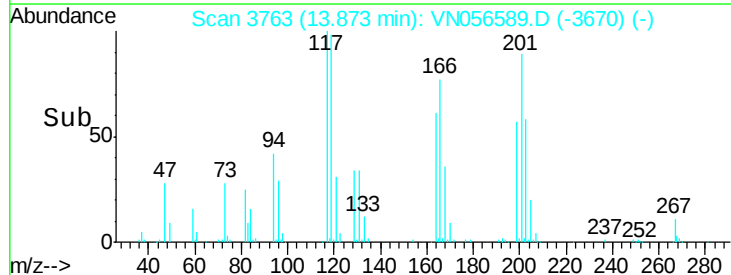
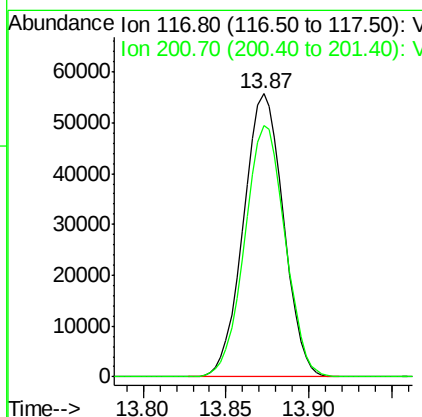
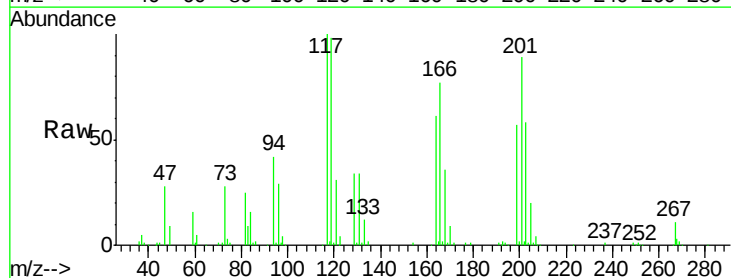
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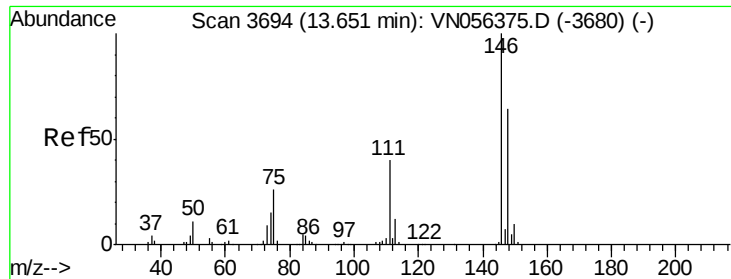
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#90
Hexachloroethane
Concen: 48.254 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056589.D
Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	45.9	137.6





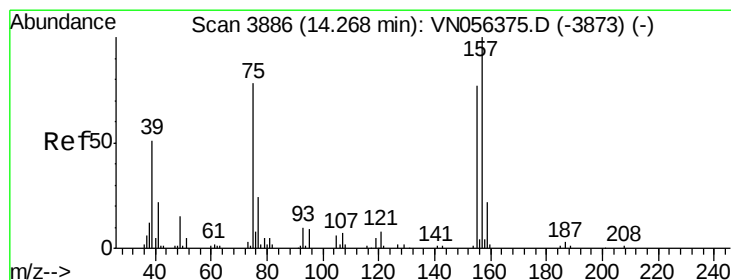
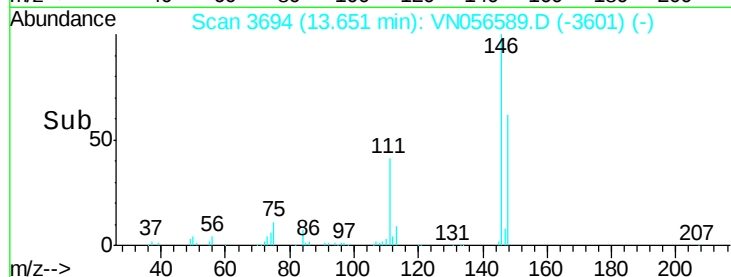
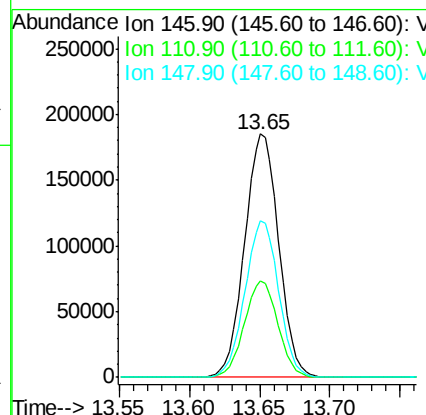
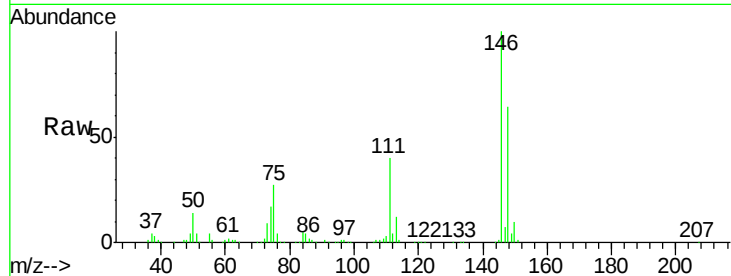
#91
 1,2-Dichlorobenzene
 Concen: 51.892 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	63.6	32.0	96.0

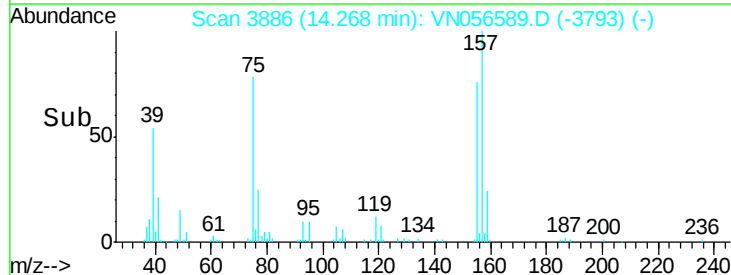
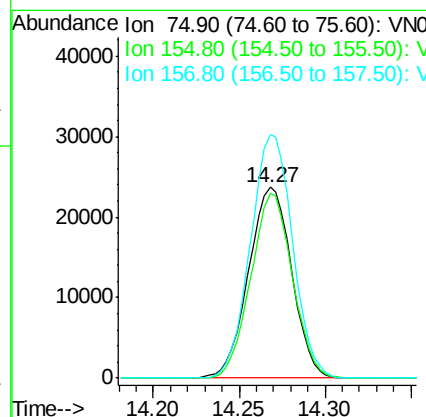
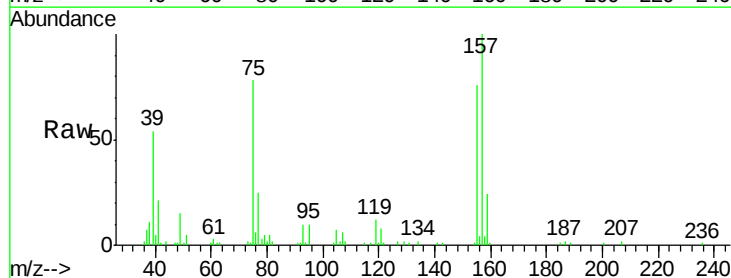
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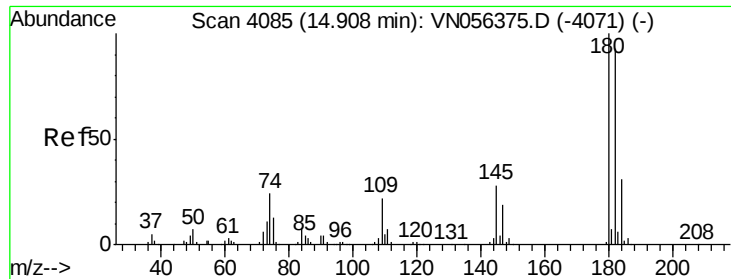
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.898 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	48.9	146.8
157	124.7	62.9	188.8





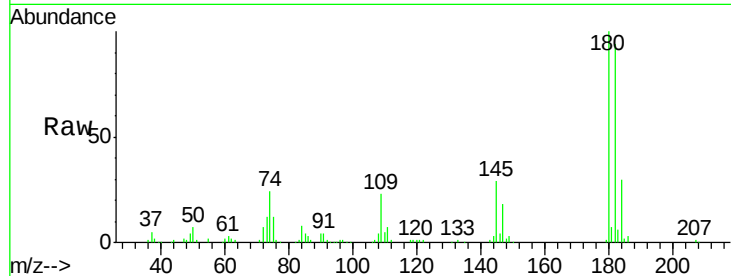
#93
 1,2,4-Trichlorobenzene
 Concen: 55.708 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

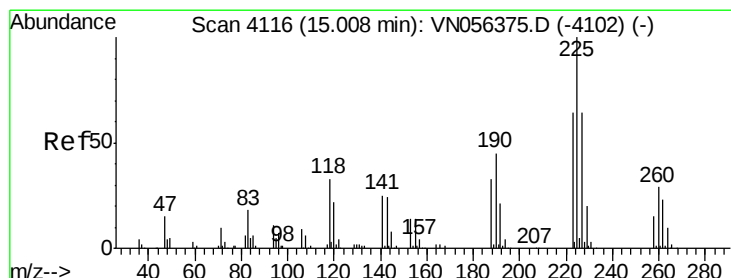
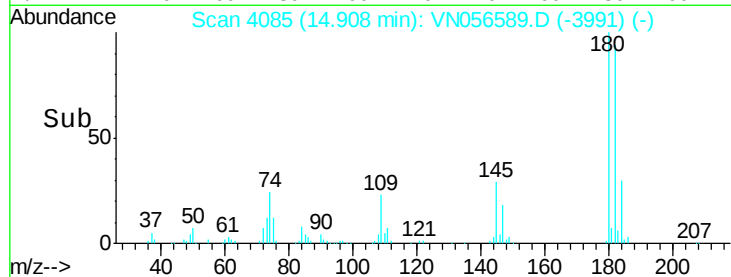
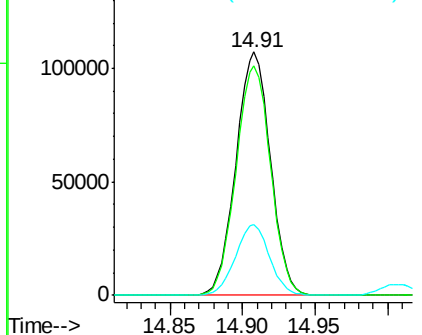
Tot Ion	Ratio	Resp	Lower	Upper
180	100	177290		
182	94.5	46.9	140.6	
145	28.6	14.4	43.0	

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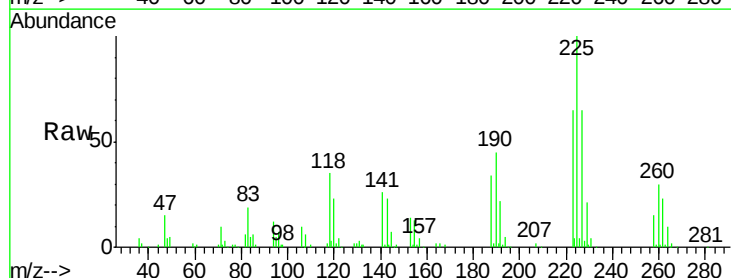


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

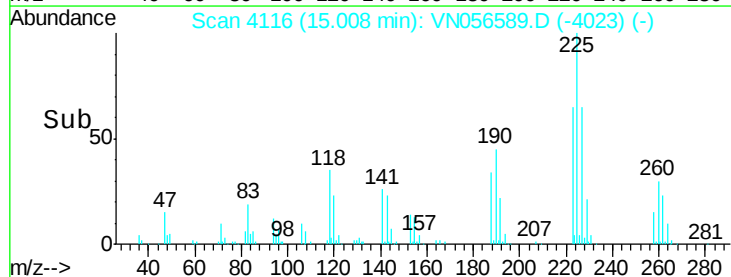
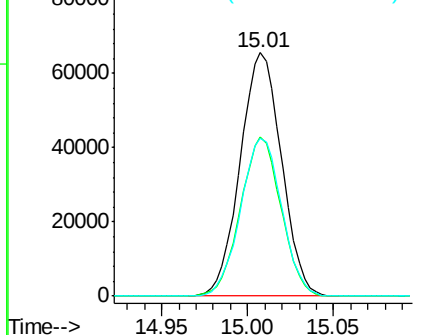


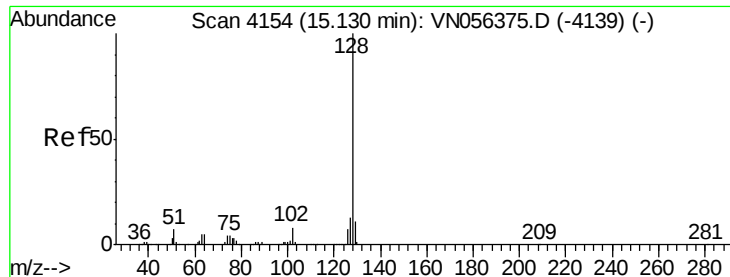
#94
 Hexachlorobutadiene
 Concen: 53.518 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056589.D
 Acq: 3 Jul 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109150		
223	64.2	31.4	94.3	
227	64.7	32.1	96.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 57.974 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Instrument :

MSVOA_N

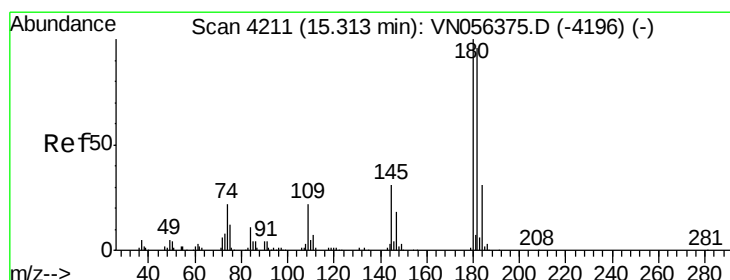
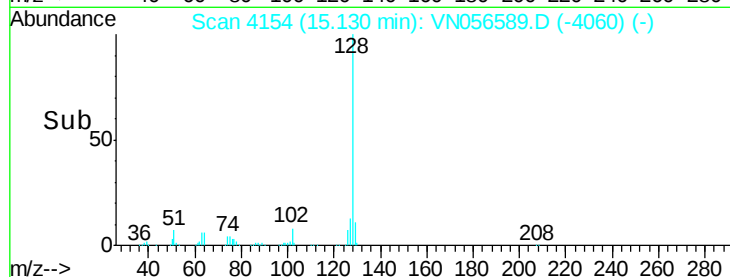
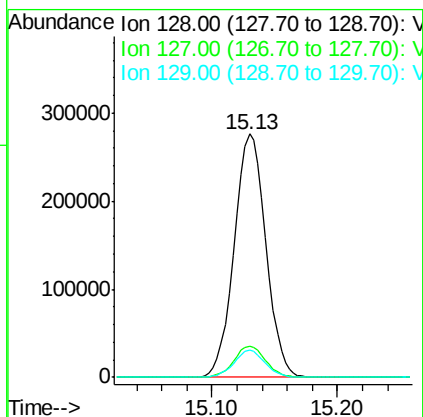
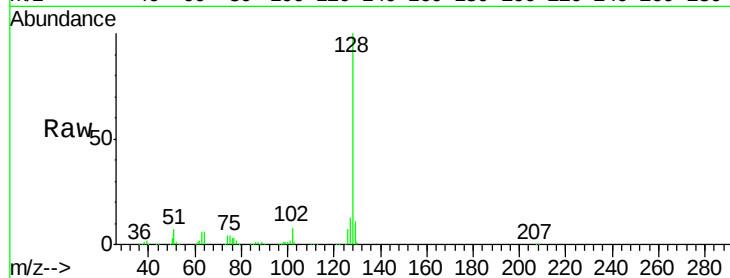
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	483703
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 56.630 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056589.D

Acq: 3 Jul 2019 16:41

Tgt Ion:	180	Resp:	186480
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.3	144.8
145	29.8	15.4	46.1

