

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056564.D
 Acq On : 1 Jul 2019 11:55
 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
 7/3/2019 9:16:07 AM

Quant Time: Jul 02 01:32:19 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	329413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	187693	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.59	113	165170	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
50) Toluene-d8	10.09	98	612731	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	212641	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	131459	47.130	ug/l	100
3) Chloromethane	2.06	50	166935	43.954	ug/l	100
4) Vinyl Chloride	2.18	62	169341	46.164	ug/l	99
5) Bromomethane	2.52	94	115500m	53.709	ug/l	
6) Chloroethane	2.68	64	100362	47.245	ug/l	100
7) Trichlorofluoromethane	3.00	101	238019	50.162	ug/l	98
8) Diethyl Ether	3.41	74	99330	49.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154479	51.051	ug/l	99
10) Methyl Iodide	3.95	142	204319	49.958	ug/l	98
11) Tert butyl alcohol	4.80	59	152983	248.790	ug/l	99
12) 1,1-Dichloroethene	3.73	96	140361	48.234	ug/l	99
13) Acrolein	3.60	56	107969	208.332	ug/l	100
14) Allyl chloride	4.32	41	252593	52.145	ug/l	98
15) Acrylonitrile	4.99	53	450837	265.020	ug/l	100
16) Acetone	3.82	43	411343	224.881	ug/l	98
17) Carbon Disulfide	4.05	76	272929	41.236	ug/l	100
18) Methyl Acetate	4.32	43	194232	54.290	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	493934	51.297	ug/l	98
20) Methylene Chloride	4.55	84	174564	50.636	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	152129	48.489	ug/l	94
22) Diisopropyl ether	5.95	45	541750	53.253	ug/l	96
23) Vinyl Acetate	5.89	43	2202511	274.494	ug/l	99
24) 1,1-Dichloroethane	5.84	63	303483	51.969	ug/l	100
25) 2-Butanone	6.83	43	615009	254.041	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215156	52.974	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	185352	50.496	ug/l	98
28) Bromochloromethane	7.19	49	146577	50.745	ug/l	99
29) Tetrahydrofuran	7.21	42	398993	269.695	ug/l	98
30) Chloroform	7.37	83	305288	52.979	ug/l	97
31) Cyclohexane	7.65	56	259529	46.034	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	242074	52.999	ug/l	99
36) 1,1-Dichloropropene	7.79	75	218862	49.698	ug/l	100
37) Ethyl Acetate	6.93	43	236005	54.532	ug/l	100
38) Carbon Tetrachloride	7.77	117	199884	51.904	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	262394	48.288	ug/l	98
40) Benzene	8.04	78	684189	50.508	ug/l	97
41) Methacrylonitrile	7.18	41	105269m	55.084	ug/l	
42) 1,2-Dichloroethane	8.12	62	229799	51.403	ug/l	100
43) Isopropyl Acetate	8.16	43	361559	54.179	ug/l	100
44) Trichloroethene	8.83	130	184233	50.489	ug/l	100
45) 1,2-Dichloropropane	9.12	63	190625	52.619	ug/l	98
46) Dibromomethane	9.21	93	119124	52.558	ug/l	99
47) Bromodichloromethane	9.40	83	225402	56.073	ug/l	99
48) Methyl methacrylate	9.20	41	177965	53.217	ug/l	98
49) 1,4-Dioxane	9.20	88	75706	1090.885	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1168508	271.289	ug/l	98
52) Toluene	10.15	92	424311	51.234	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	234019	49.984	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	271344	56.054	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179467	53.911	ug/l	100
56) Ethyl methacrylate	10.43	69	262196	53.894	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299609	53.574	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	383400	219.367	ug/l	99
59) 2-Hexanone	10.75	43	813027	256.826	ug/l	100
60) Dibromochloromethane	10.90	129	176765	51.581	ug/l	98
61) 1,2-Dibromoethane	11.00	107	181724	53.448	ug/l	100
64) Tetrachloroethene	10.63	164	181958	51.960	ug/l	99
65) Chlorobenzene	11.43	112	452126	50.883	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	169821	56.549	ug/l	99
67) Ethyl Benzene	11.51	91	804343	51.555	ug/l	100
68) m/p-Xylenes	11.62	106	600224	104.977	ug/l	100
69) o-Xylene	11.95	106	292545	51.717	ug/l	100
70) Styrene	11.96	104	494016	54.637	ug/l	99
71) Bromoform	12.13	173	123844	51.048	ug/l #	99
73) Isopropylbenzene	12.25	105	790483	55.122	ug/l	100
74) N-amyl acetate	12.07	43	295361	48.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249637	56.338	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	216717m	54.468	ug/l	
77) Bromobenzene	12.53	156	204220	47.597	ug/l	97
78) n-propylbenzene	12.59	91	857790	48.815	ug/l	100
79) 2-Chlorotoluene	12.67	91	524135	54.630	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	651847	54.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	61837	55.237	ug/l	94
82) 4-Chlorotoluene	12.77	91	509338	49.091	ug/l	99
83) tert-Butylbenzene	12.99	119	578273	55.243	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	619103	47.926	ug/l	100
85) sec-Butylbenzene	13.17	105	751431	48.652	ug/l	100
86) p-Isopropyltoluene	13.29	119	649212	48.979	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	329292	50.643	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	311117	49.405	ug/l	100
89) n-Butylbenzene	13.61	91	472516	47.090	ug/l	100
90) Hexachloroethane	13.87	117	109675	53.073	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	327306	50.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37559	52.899	ug/l	96

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VSTDCCC050

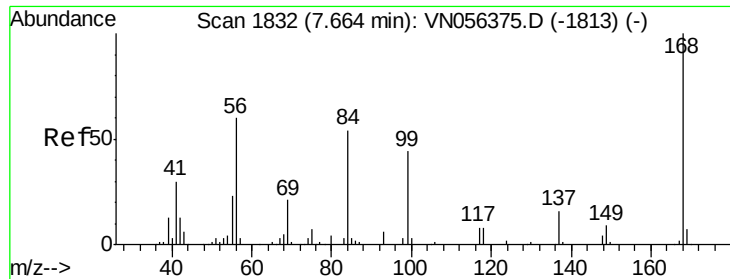
Manual Integrations
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QLast Update : Fri Jun 21 03:45:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	123388	38.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	119087	54.646	ug/l	99
95) Naphthalene	15.13	128	329845	38.871	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137905	40.547	ug/l	100

(#) = 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: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 329413

Ion Ratio Lower Upper

168 100

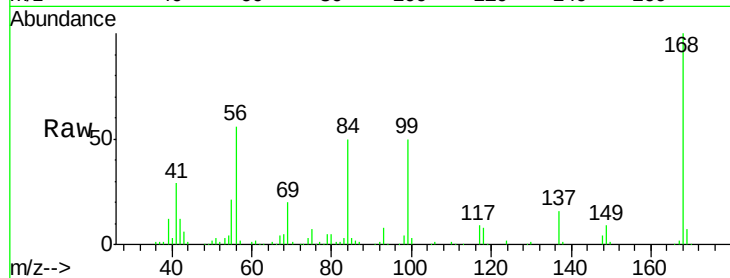
99 49.8 40.6 61.0

Manual Integrations

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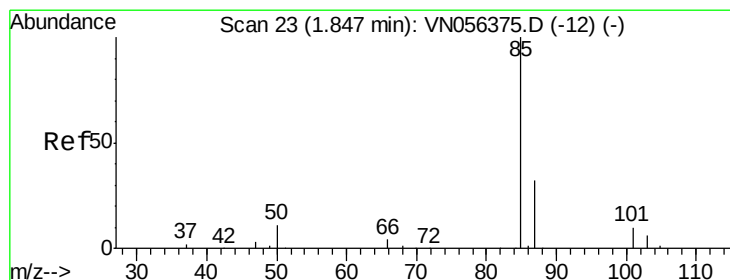
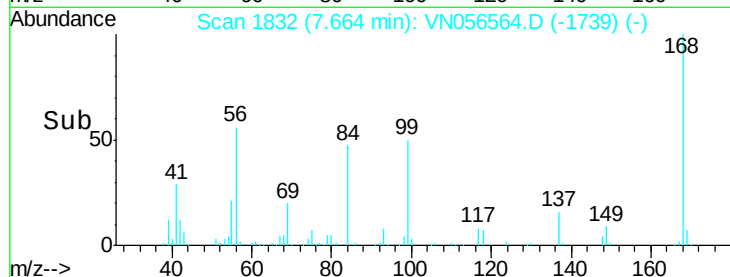
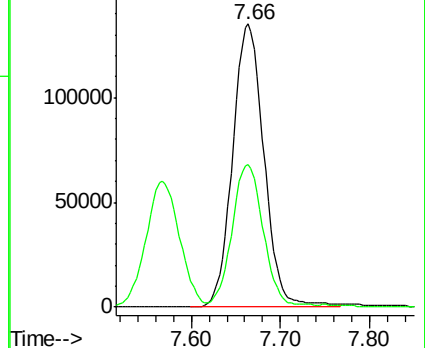
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.130 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056564.D

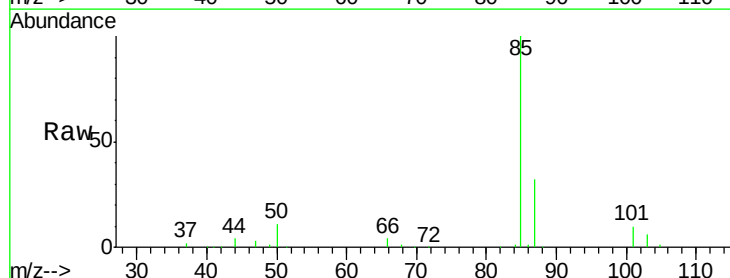
Acq: 1 Jul 2019 11:55

Tgt Ion: 85 Resp: 131459

Ion Ratio Lower Upper

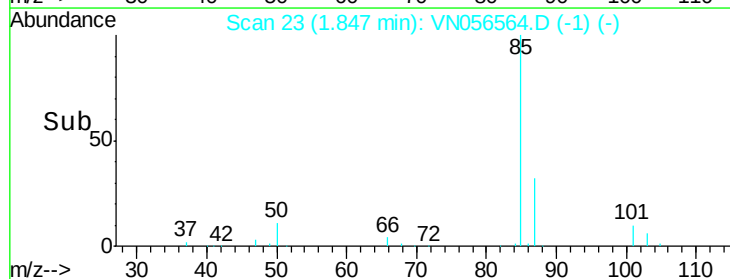
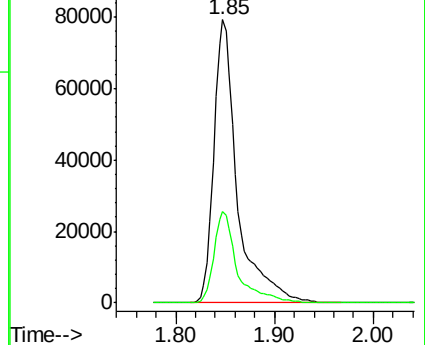
85 100

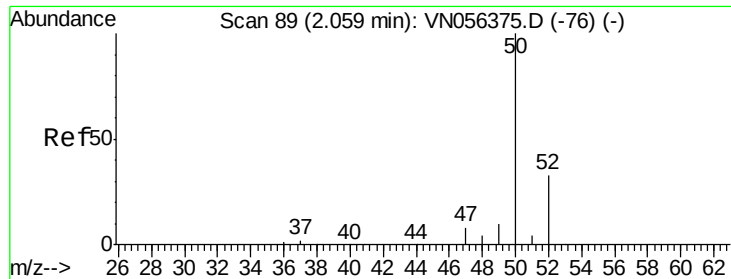
87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.954 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 166935

Ion Ratio Lower Upper

50 100

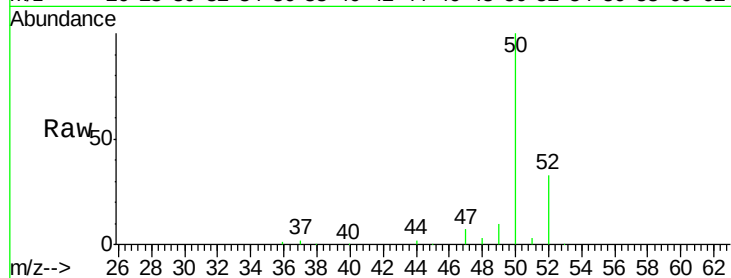
52 33.1 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

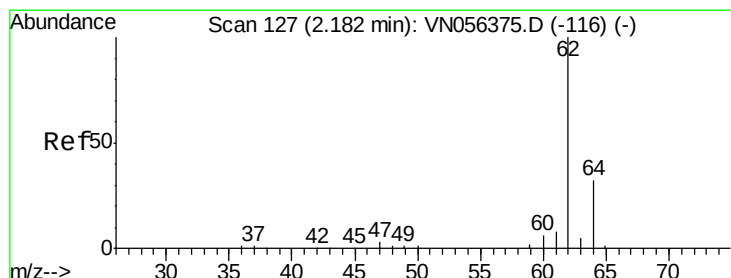
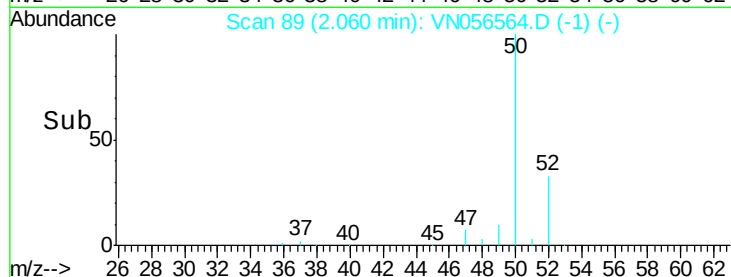
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.164 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056564.D

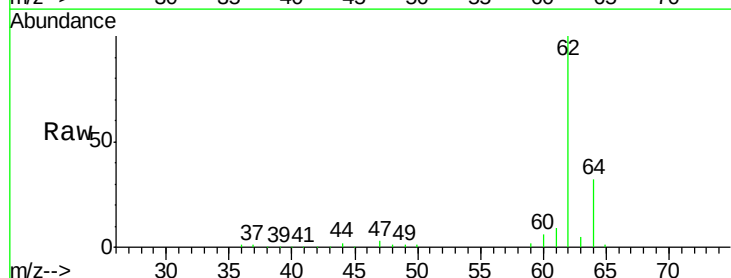
Acq: 1 Jul 2019 11:55

Tgt Ion: 62 Resp: 169341

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

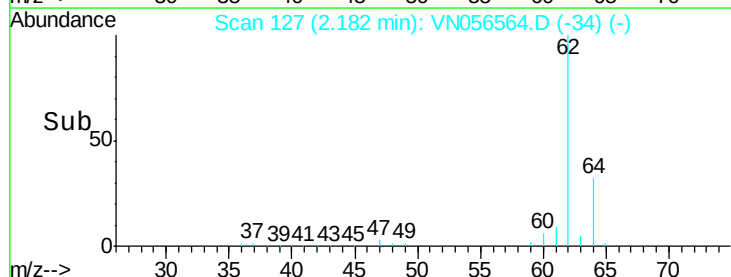
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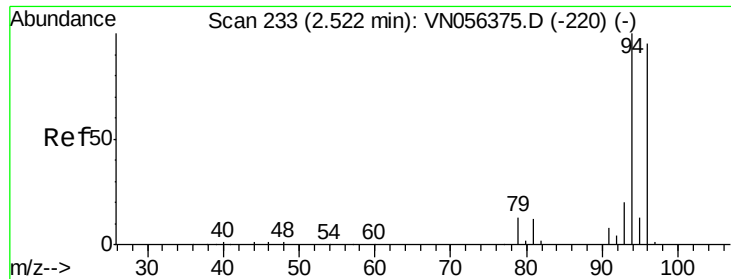
40000

20000

0

Time-->





#5

Bromomethane

Concen: 53.709 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tot Ion: 94 Resp: 115500

Ion Ratio Lower Upper

94 100

96 92.5 76.0 114.0

Instrument :

MSVOA_N

ClientSampleId :

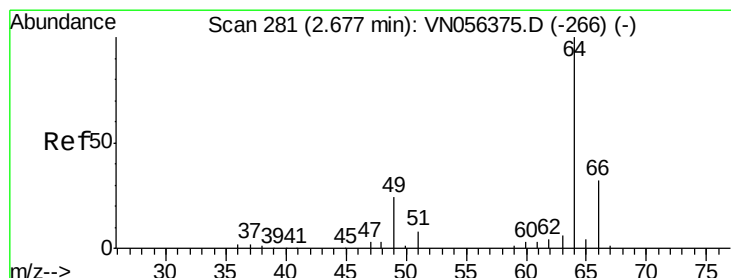
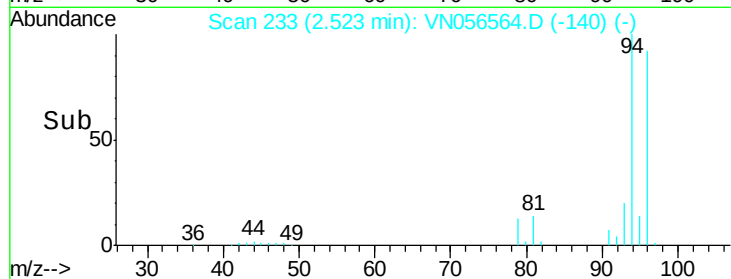
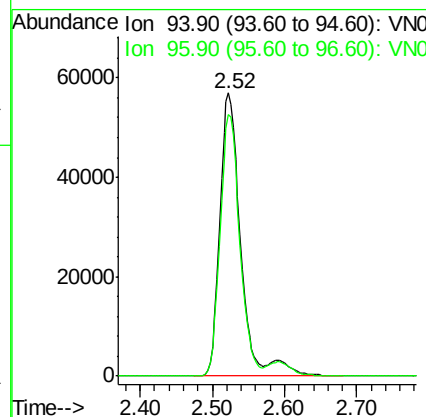
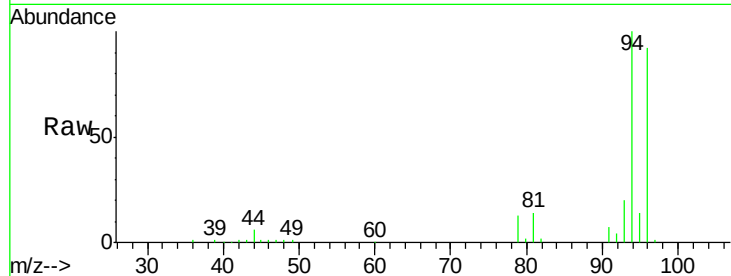
VSTDCCC050

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#6

Chloroethane

Concen: 47.245 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN056564.D

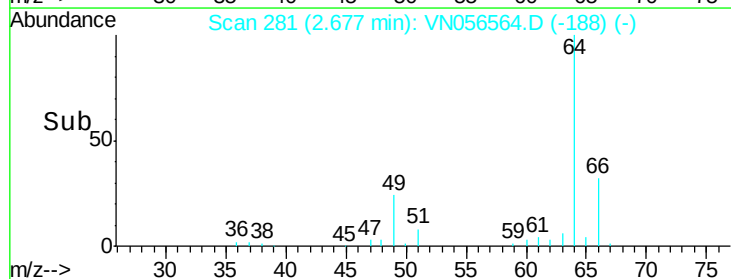
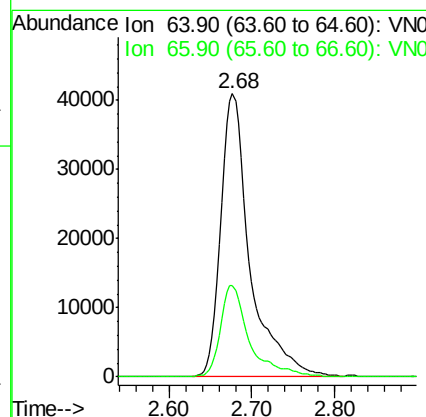
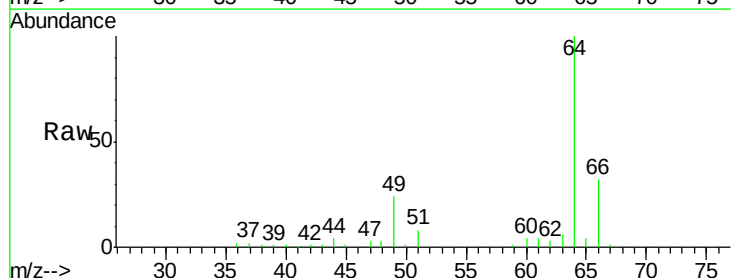
Acq: 1 Jul 2019 11:55

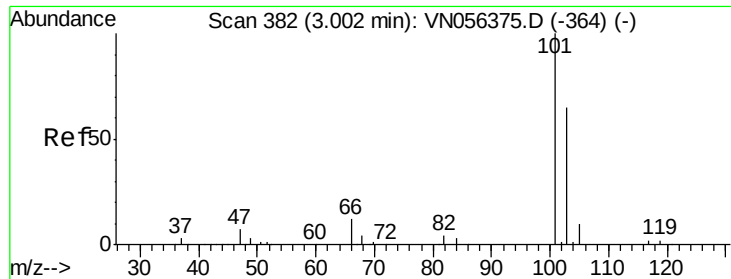
Tgt Ion: 64 Resp: 100362

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.8





#7

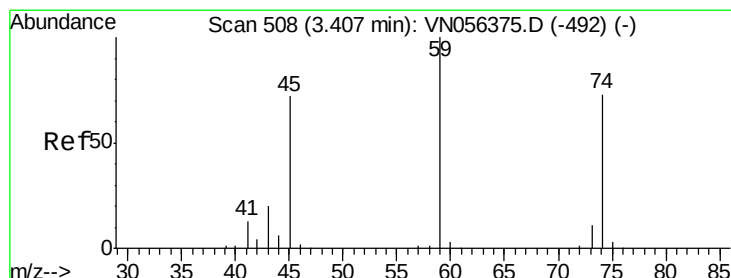
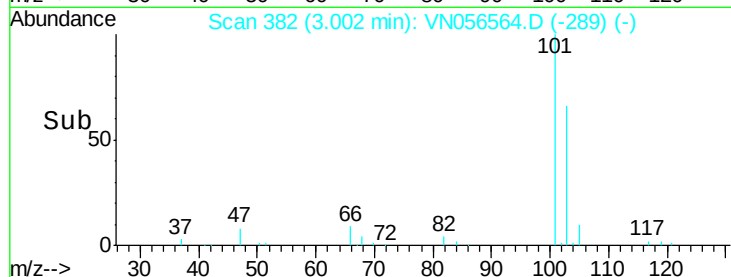
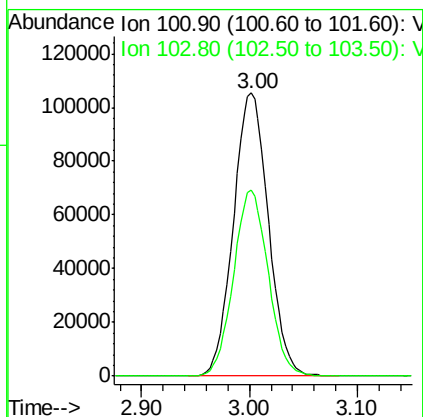
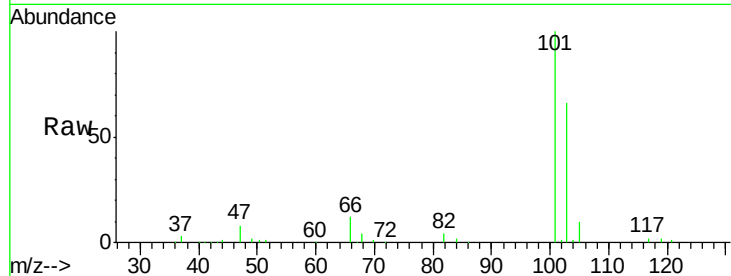
Trichlorofluoromethane
Concen: 50.162 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 238019
Ion Ratio Lower Upper
101 100
103 65.9 51.7 77.5

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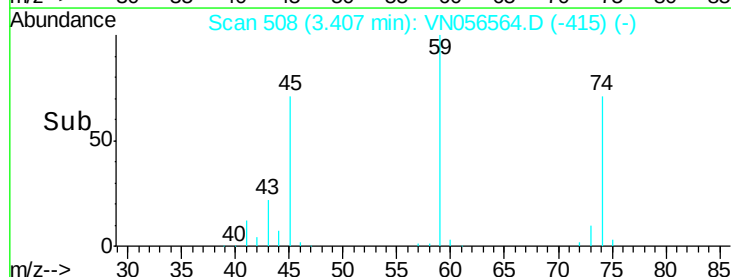
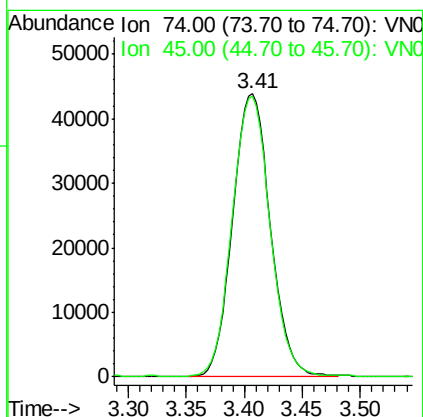
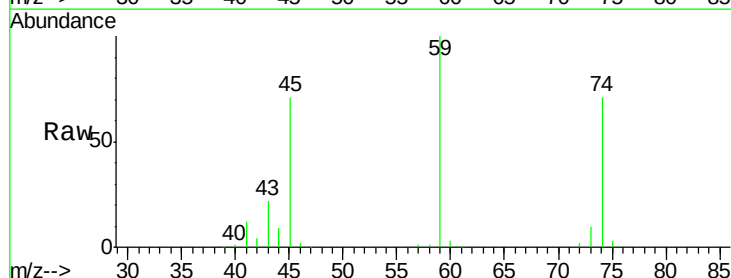
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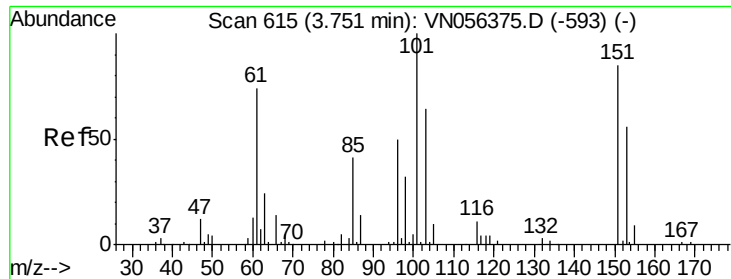


#8

Diethyl Ether
Concen: 49.462 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion: 74 Resp: 99330
Ion Ratio Lower Upper
74 100
45 99.7 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.051 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

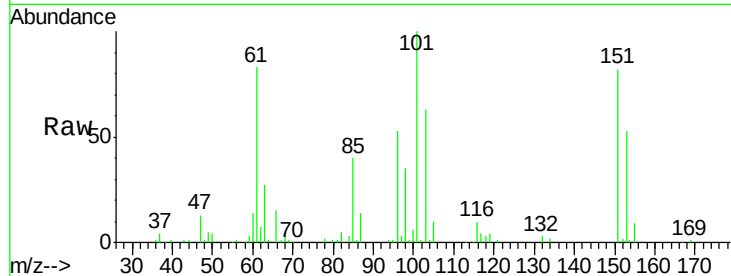
ClientSampled :

VSTDCCC050

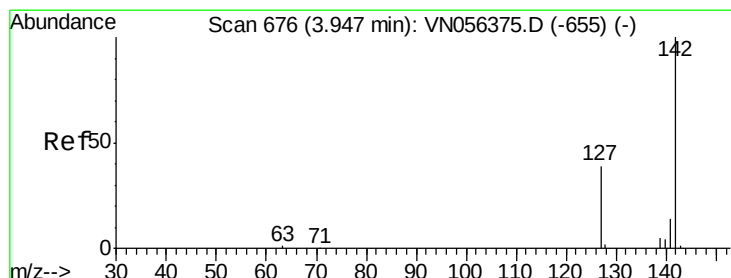
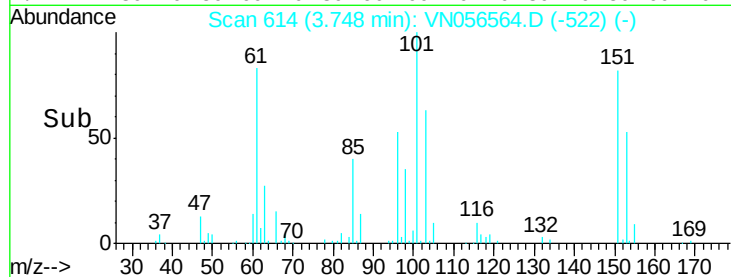
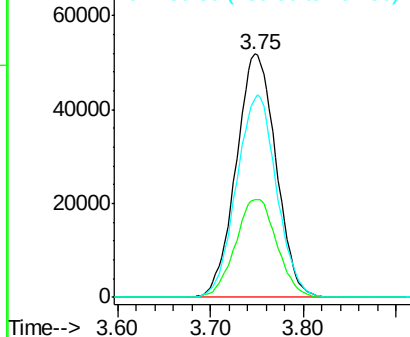
Tot Ion:	101	Resp:	154479
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.7	49.1
151	83.6	66.8	100.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.958 ug/l

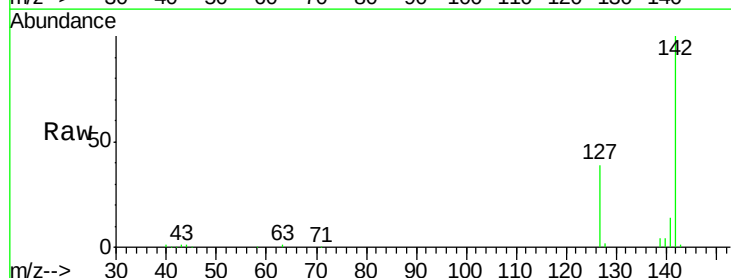
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

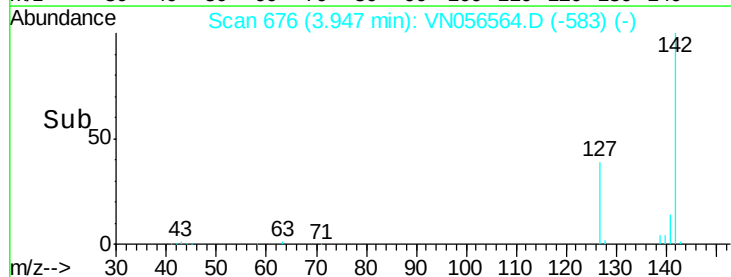
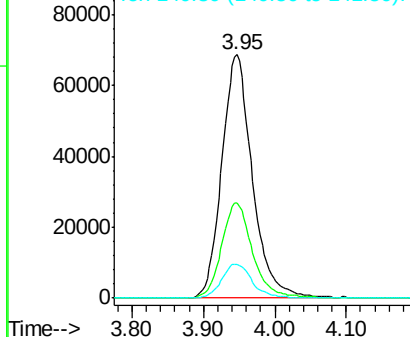
Lab File: VN056564.D

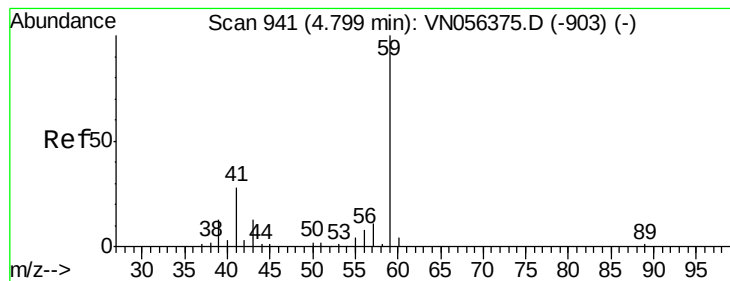
Acq: 1 Jul 2019 11:55

Tgt Ion:	142	Resp:	204319
Ion Ratio	Lower	Upper	
142	100		
127	39.4	30.6	46.0
141	14.0	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

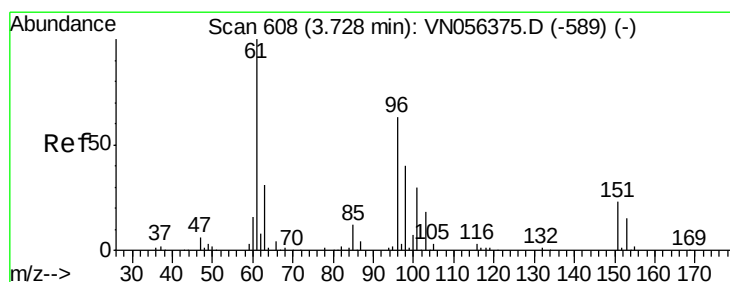
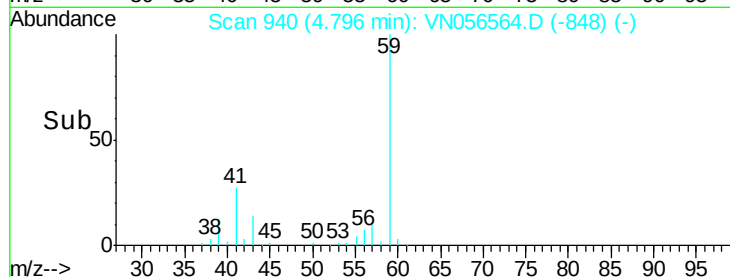
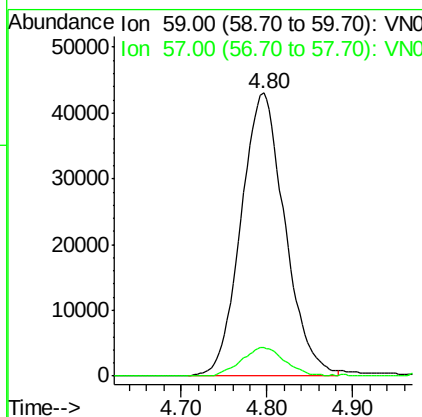
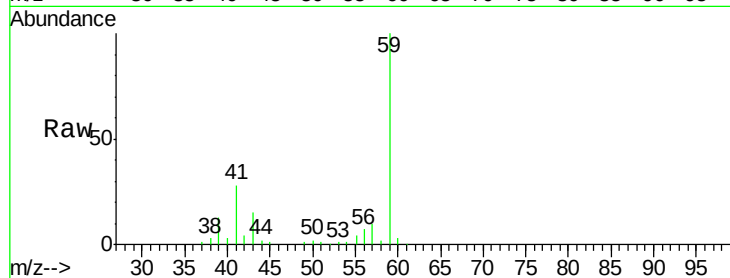
Tert butyl alcohol
 Concen: 248.790 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.6	11.4

Manual Integrations
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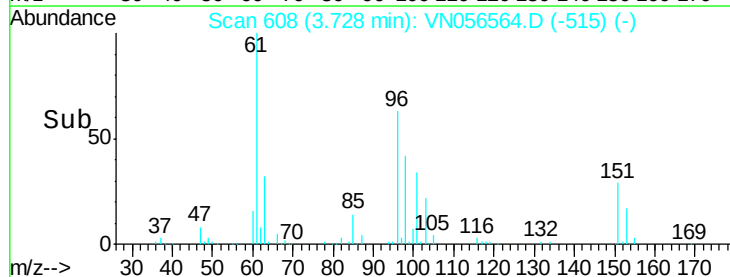
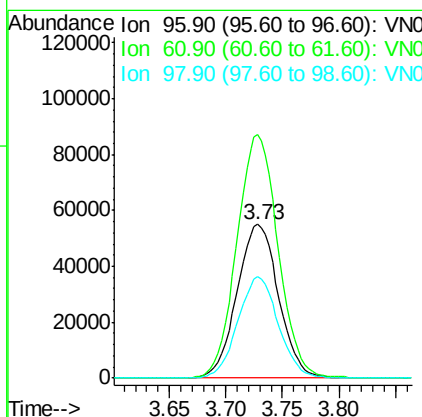
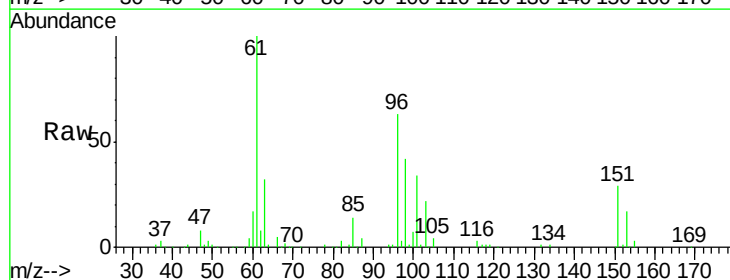
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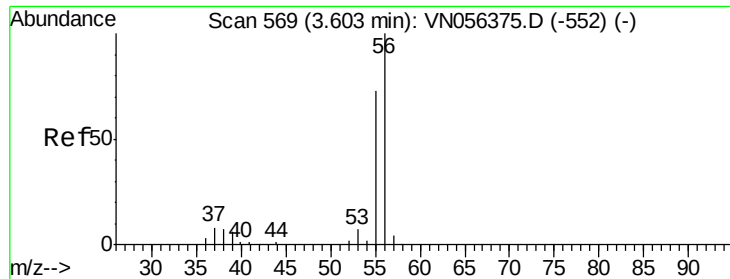


#12

1,1-Dichloroethene
 Concen: 48.234 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.6	190.0
98	66.0	51.1	76.7





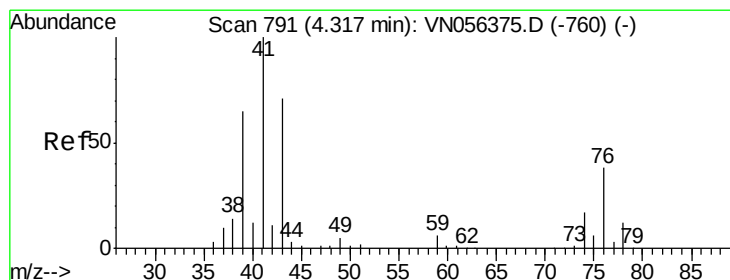
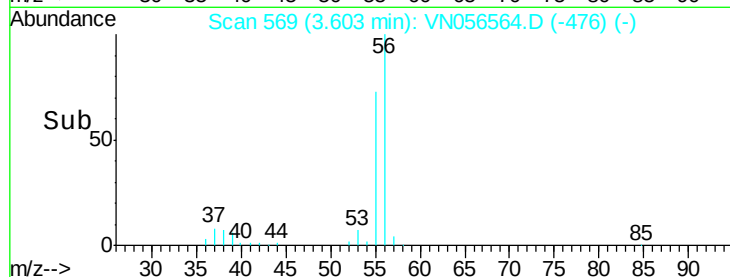
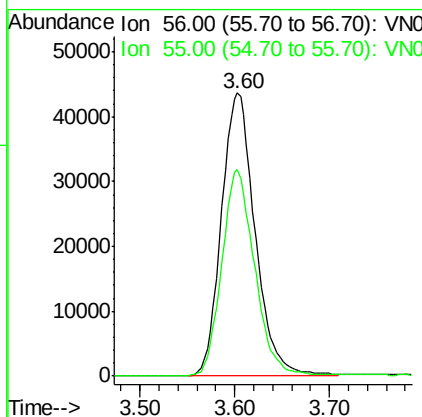
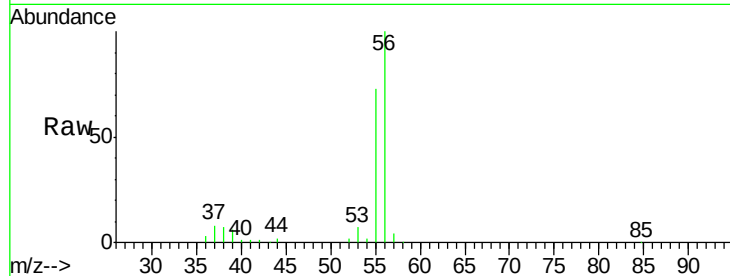
#13
Acrolein
Concen: 208.332 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.0		57.1	85.7	

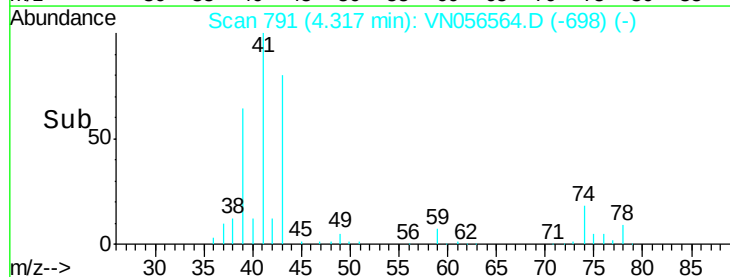
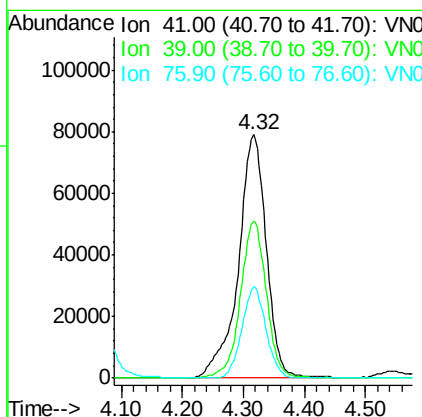
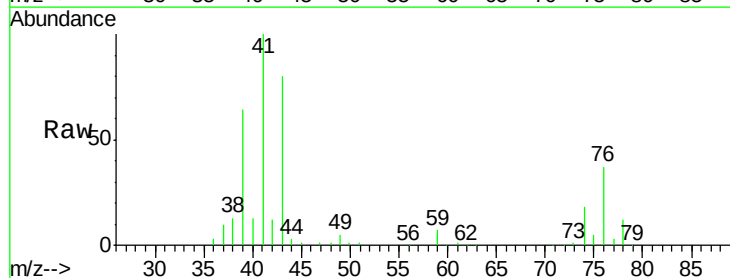
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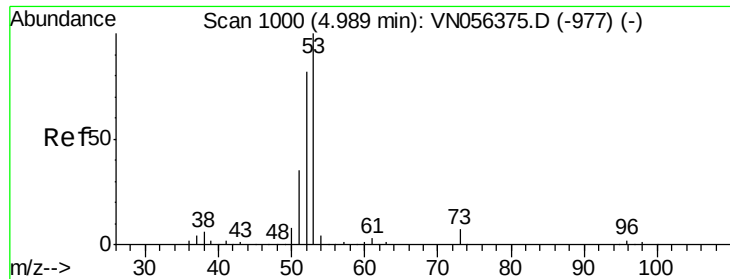
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#14
Allyl chloride
Concen: 52.145 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	59.6			48.6	73.0	
76	32.0			26.6	40.0	





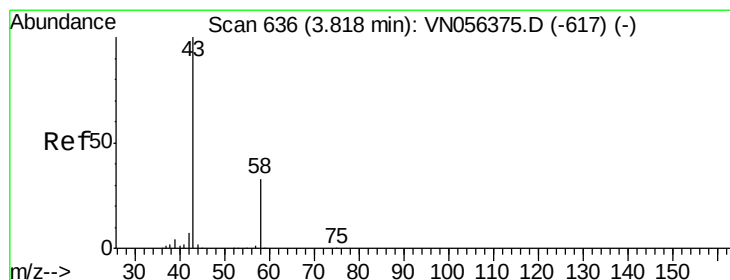
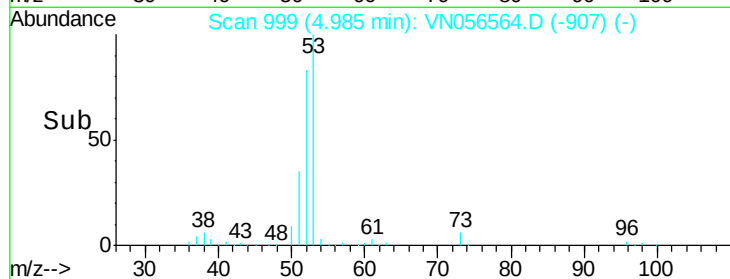
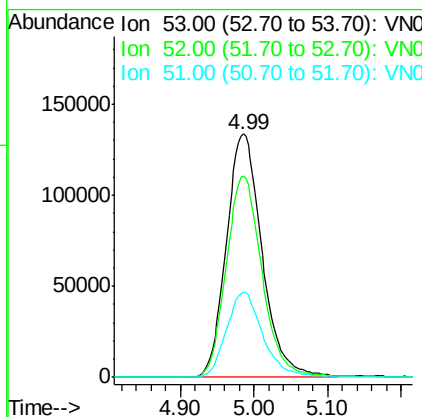
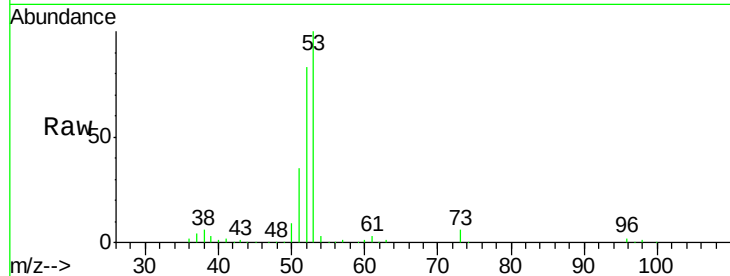
#15
 Acrylonitrile
 Concen: 265.020 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.9	98.9
51	35.6	28.3	42.5

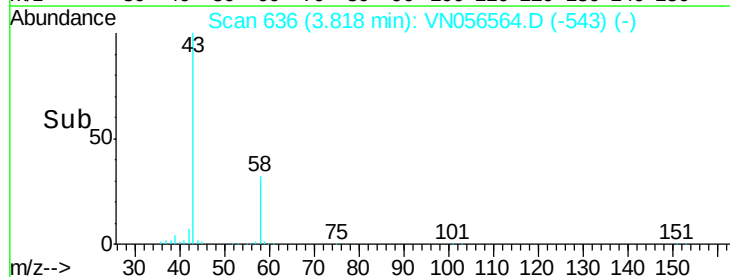
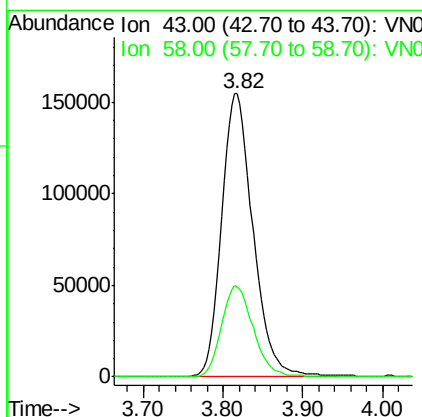
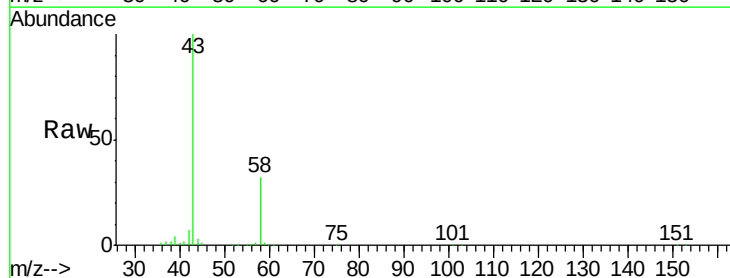
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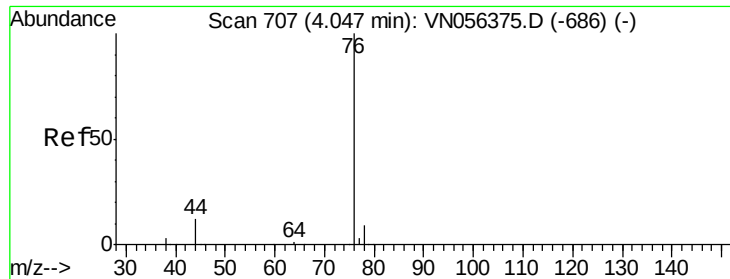
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#16
 Acetone
 Concen: 224.881 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.4	39.6





#17

Carbon Disulfide

Concen: 41.236 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 272929

Ion Ratio Lower Upper

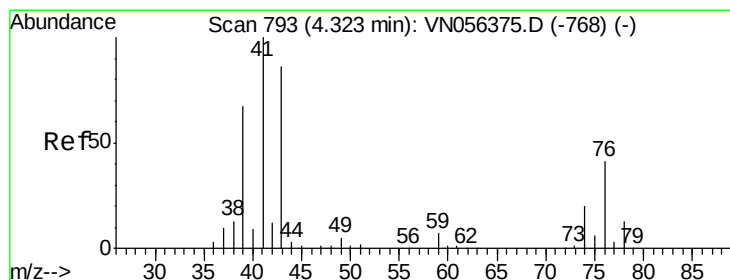
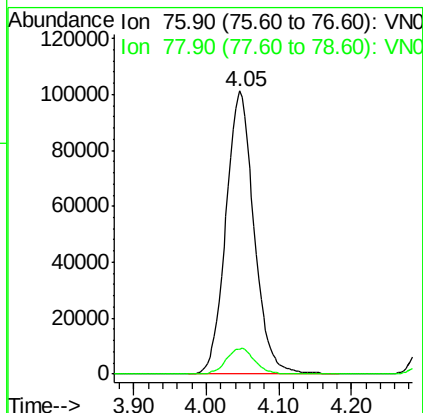
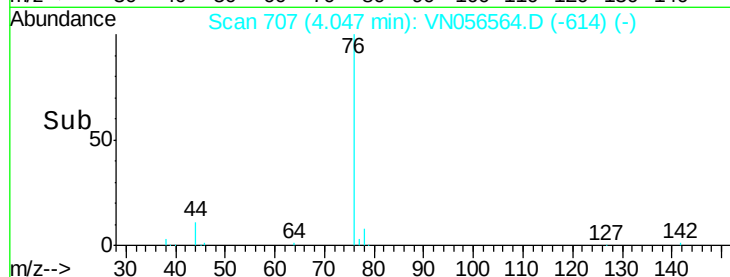
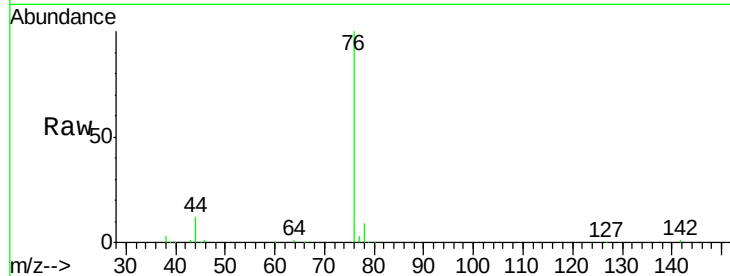
76 100

78 9.0 7.1 10.7

Manual Integrations
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7/3/2019 9:16:07 AM



#18

Methyl Acetate

Concen: 54.290 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056564.D

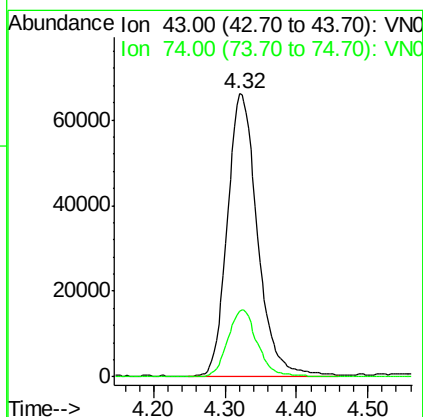
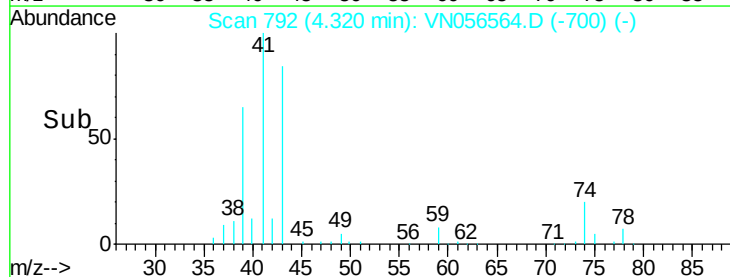
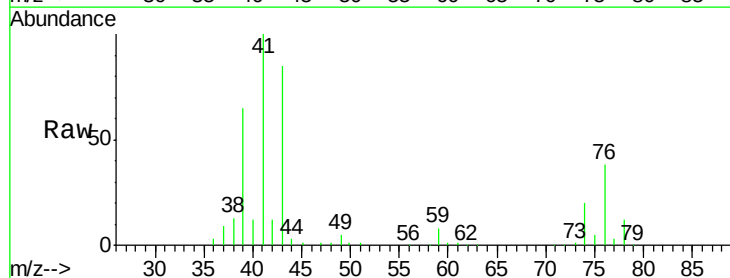
Acq: 1 Jul 2019 11:55

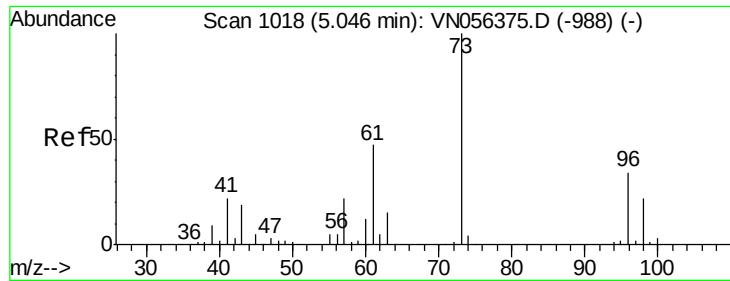
Tgt Ion: 43 Resp: 194232

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8





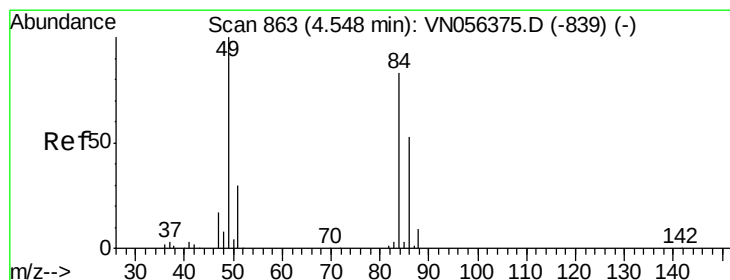
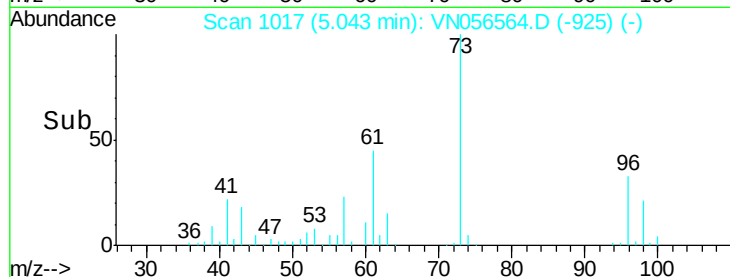
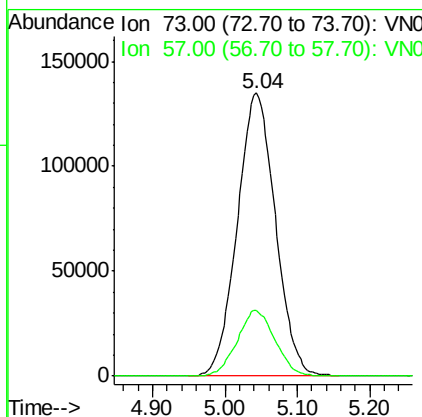
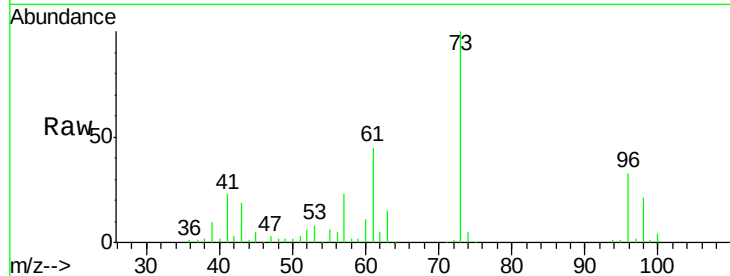
#19
Methyl tert-butyl Ether
Concen: 51.297 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 493934
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

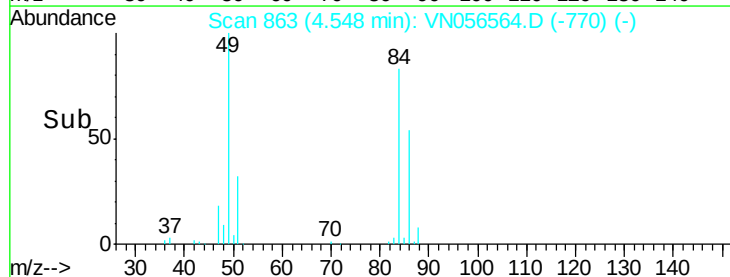
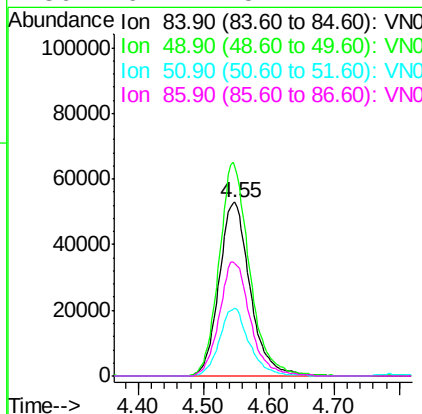
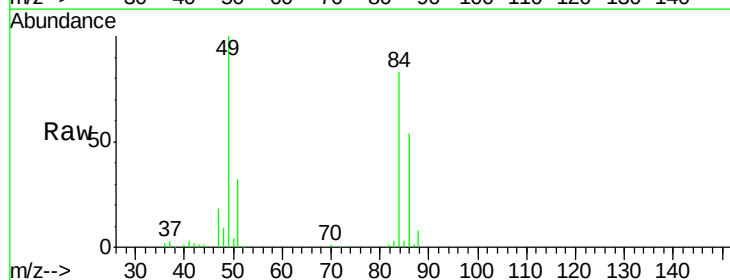
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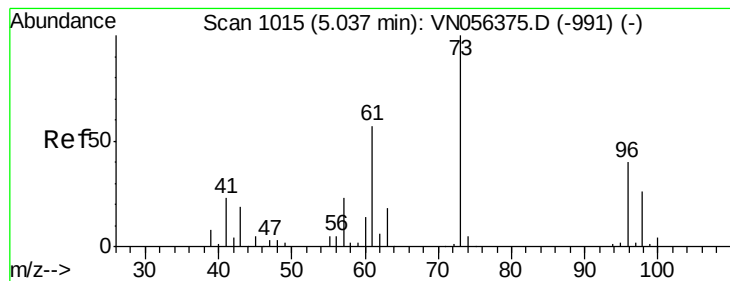
MMDadoda
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#20
Methylene Chloride
Concen: 50.636 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion: 84 Resp: 174564
Ion Ratio Lower Upper
84 100
49 120.9 96.4 144.6
51 38.8 28.6 43.0
86 64.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.489 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 152129

Ion Ratio Lower Upper

96 100

61 132.6 113.0 169.6

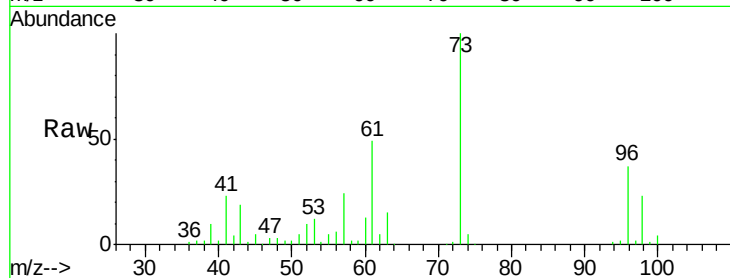
98 61.6 52.2 78.2

Manual Integrations

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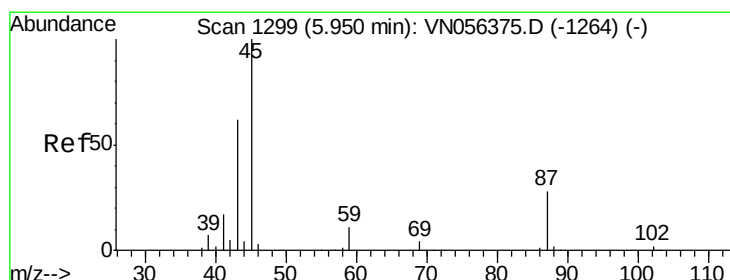
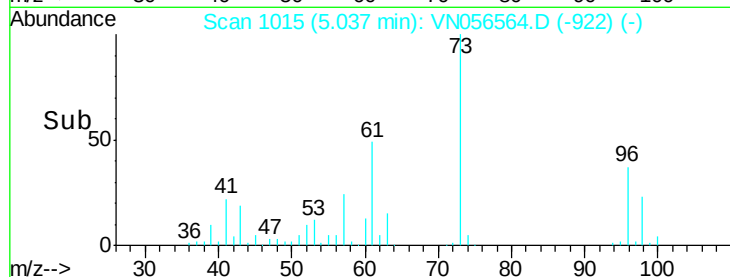
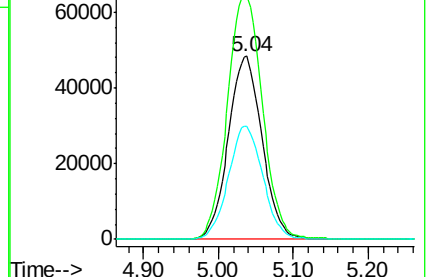
7/3/2019 9:16:07 AM



Abundance Ion 95.90 (95.60 to 96.60): VN056375.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN056375.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN056375.D (-991) (-)



#22

Diisopropyl ether

Concen: 53.253 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion: 45 Resp: 541750

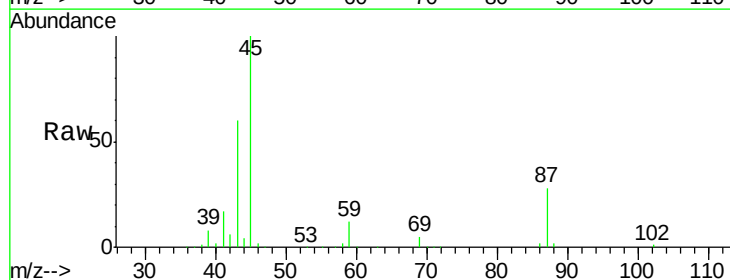
Ion Ratio Lower Upper

45 100

43 58.8 50.4 75.6

87 27.3 23.0 34.4

59 11.7 9.1 13.7

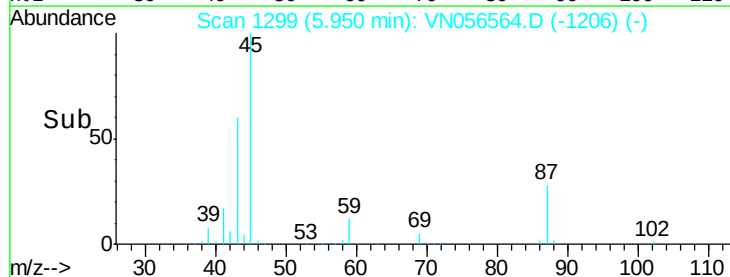
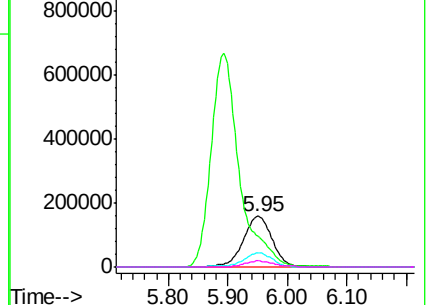


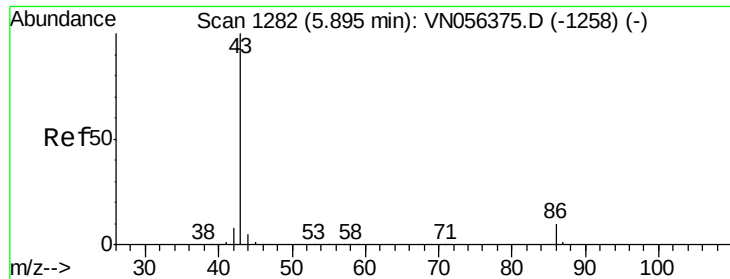
Abundance Ion 45.00 (44.70 to 45.70): VN056375.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN056375.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN056375.D (-1264) (-)





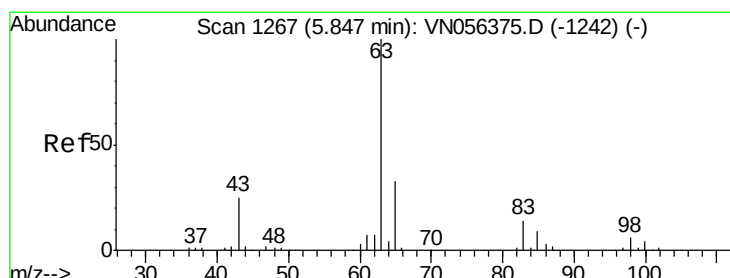
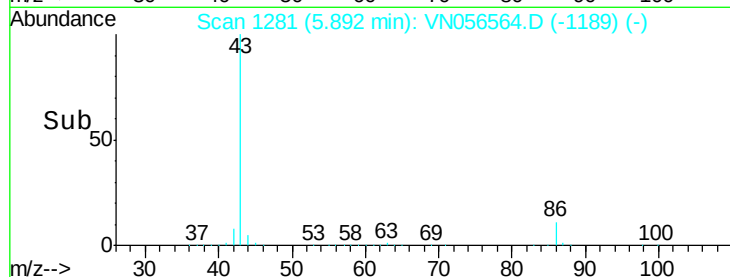
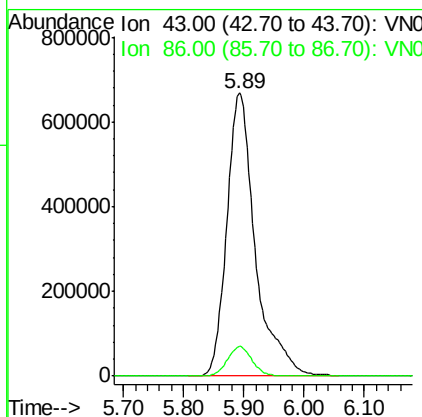
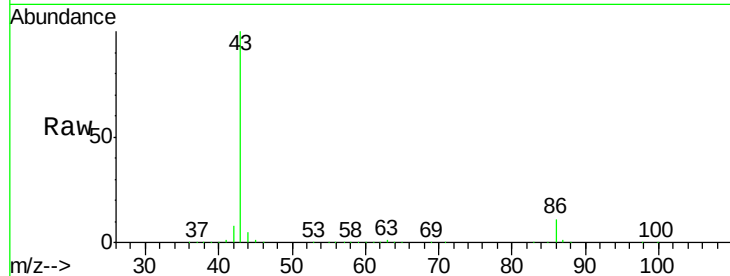
#23
 Vinyl Acetate
 Concen: 274.494 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2202511
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5

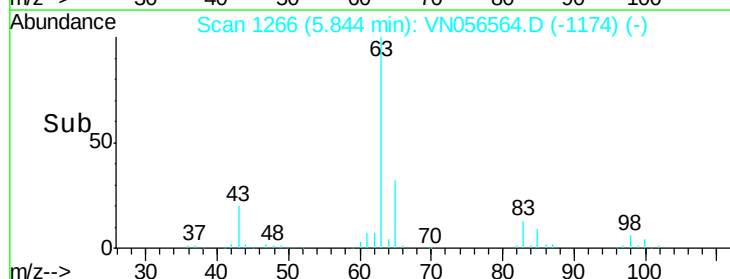
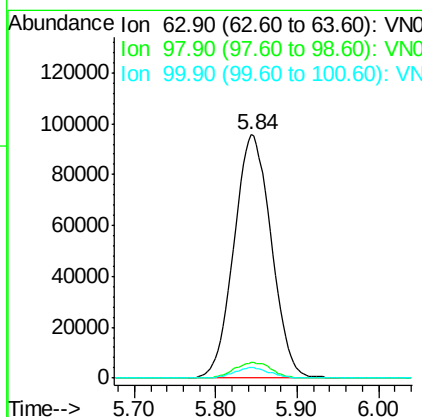
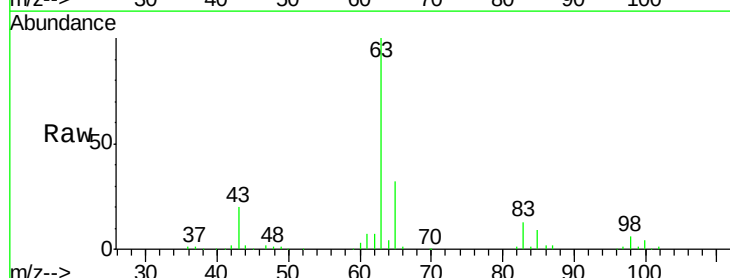
Manual Integrations
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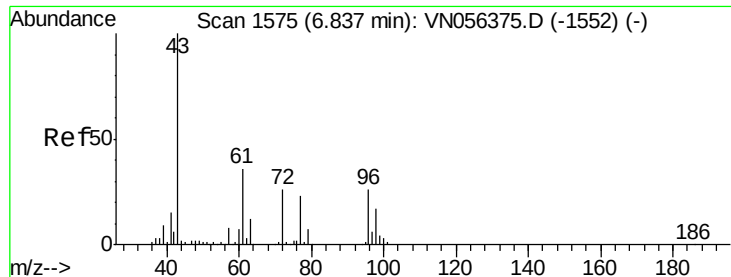
MMDadoda
 7/3/2019 9:16:07 AM



#24
 1,1-Dichloroethane
 Concen: 51.969 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion: 63 Resp: 303483
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.2 9.6
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 254.041 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 615009

Ion Ratio Lower Upper

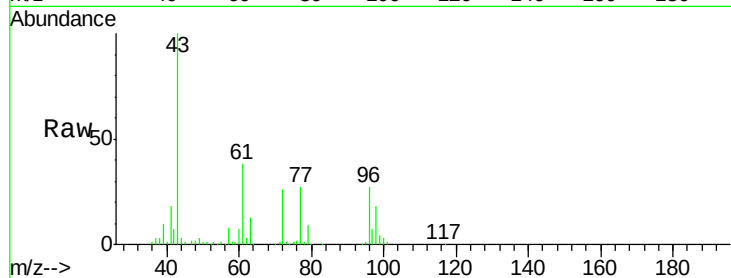
43 100

72 26.4 20.6 31.0

Manual Integrations
APPROVED

MMDadoda

7/3/2019 9:16:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

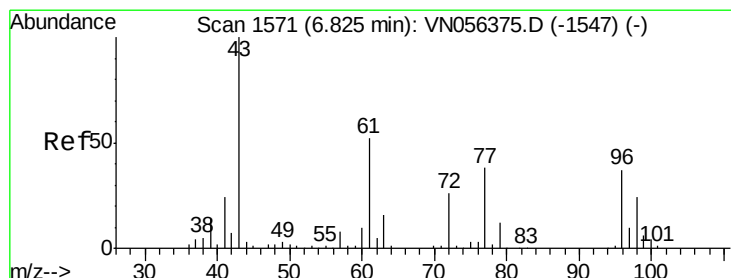
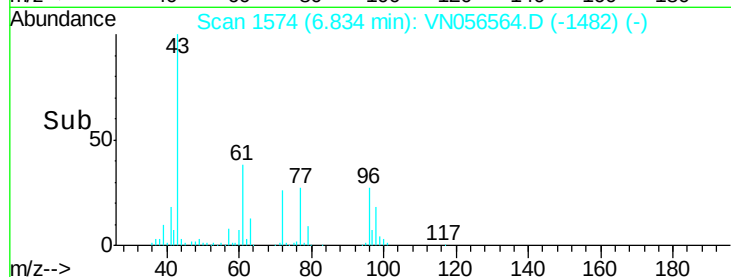
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 52.974 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056564.D

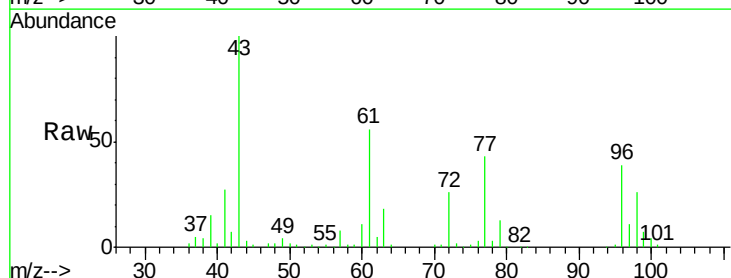
Acq: 1 Jul 2019 11:55

Tgt Ion: 77 Resp: 215156

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

80000

60000

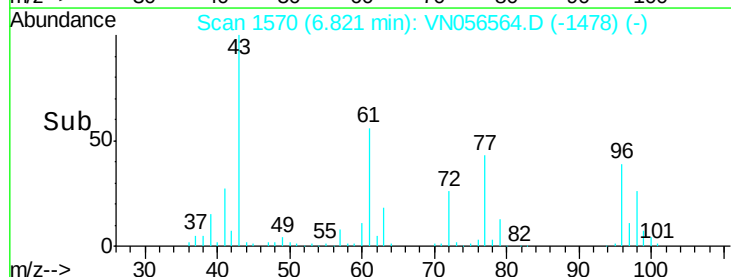
40000

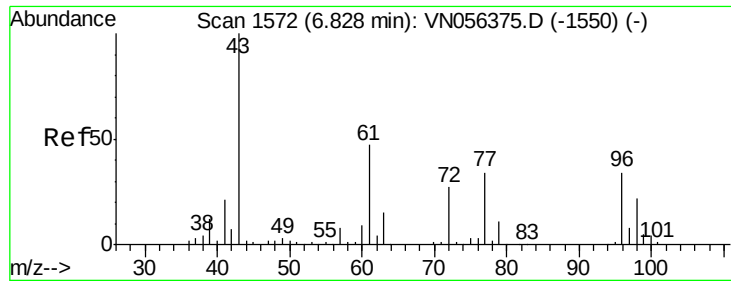
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.496 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

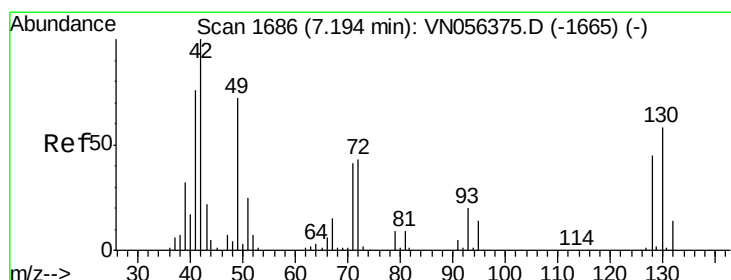
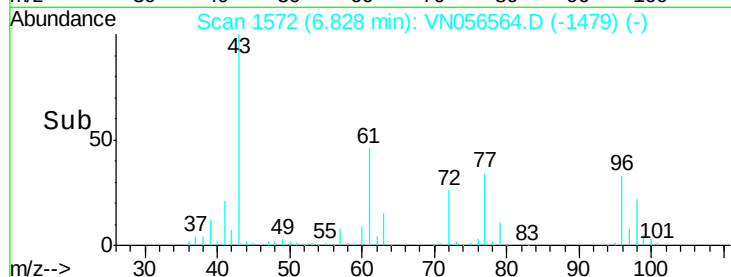
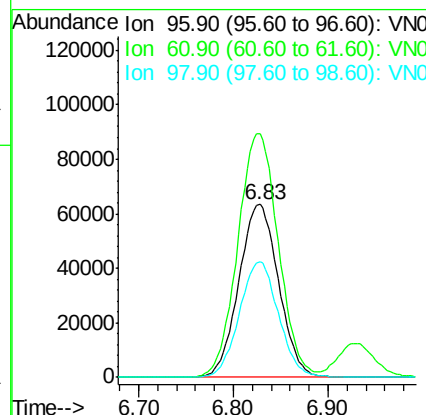
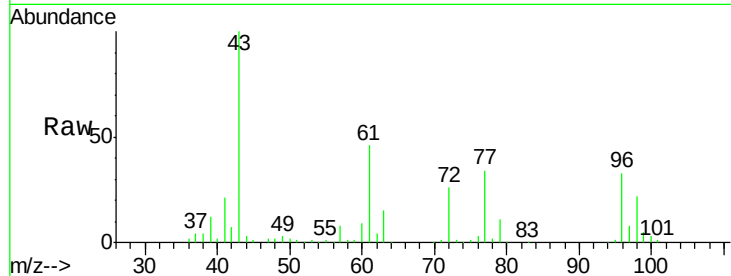
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	185352
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	279.8
98	65.9	0.0	130.0

Manual Integrations
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7/3/2019 9:16:07 AM



#28

Bromochloromethane

Concen: 50.745 ug/l

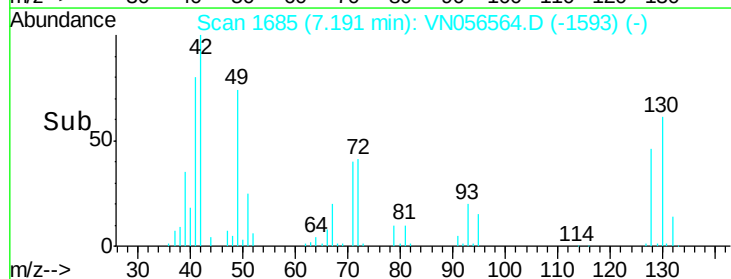
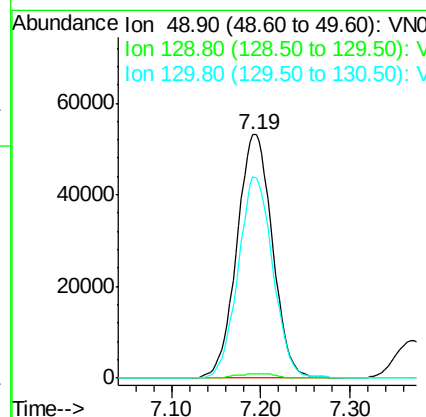
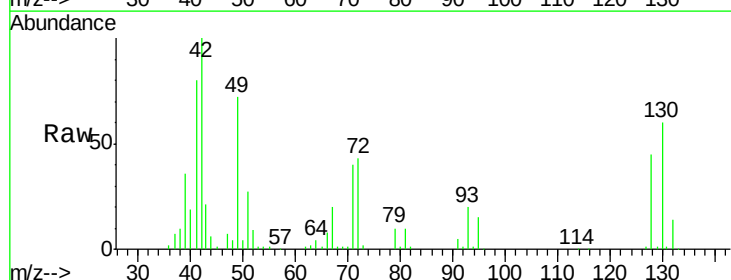
RT: 7.19 min Scan# 1685

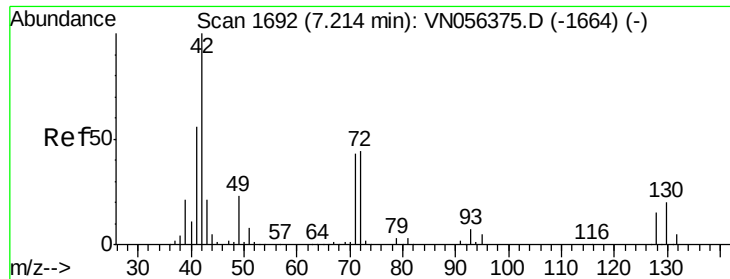
Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion:	49	Resp:	146577
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.6	64.9	97.3





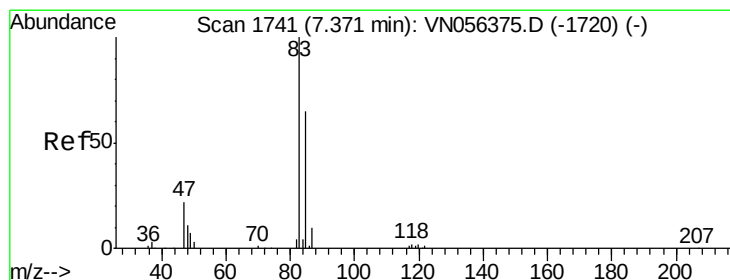
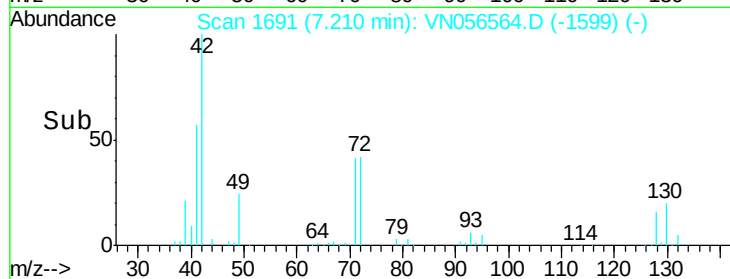
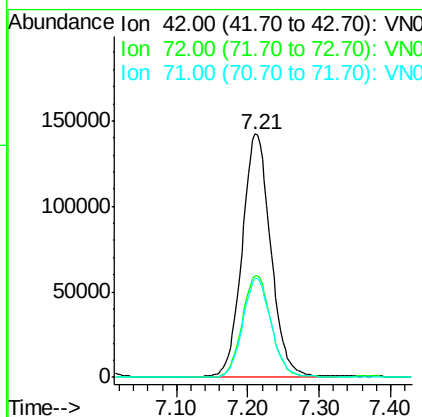
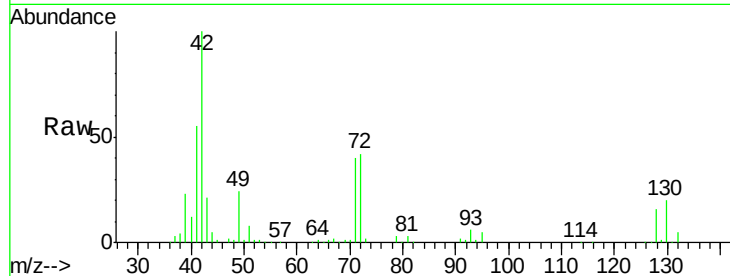
#29
Tetrahydrofuran
Concen: 269.695 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.7	52.1
71	40.0	33.0	49.6

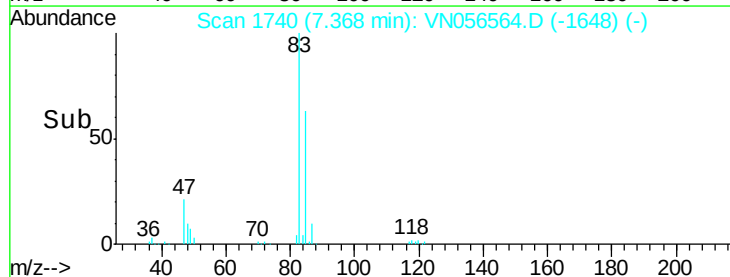
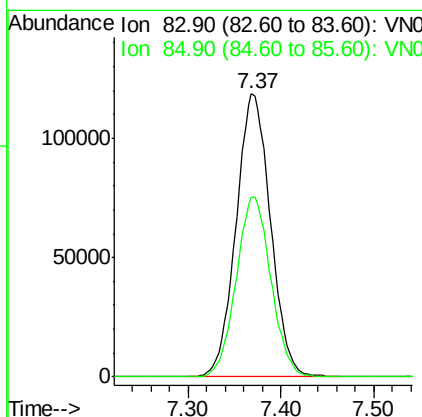
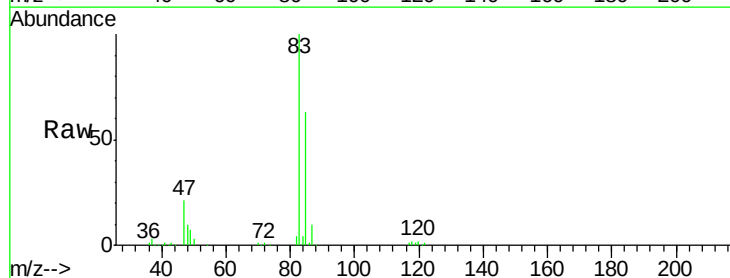
Manual Integrations
APPROVED

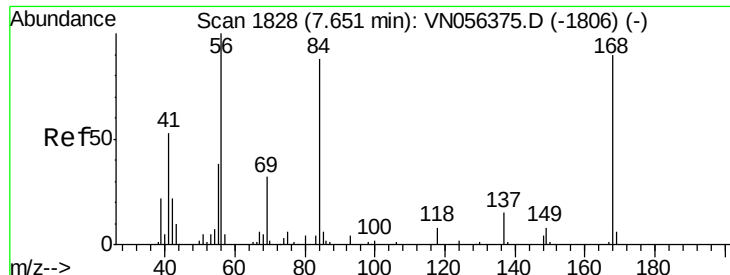
MMDadoda
7/3/2019 9:16:07 AM



#30
Chloroform
Concen: 52.979 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





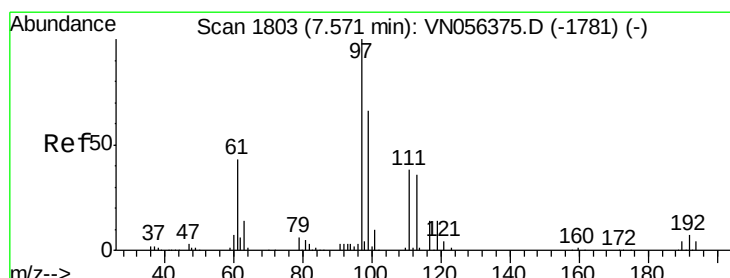
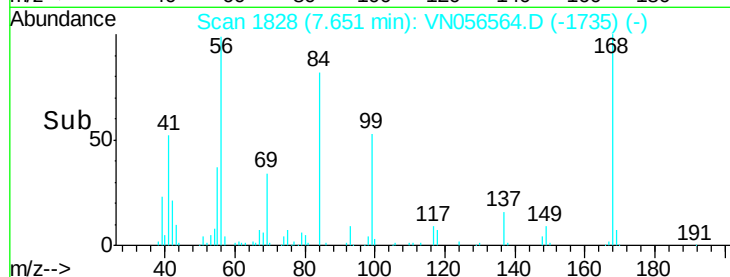
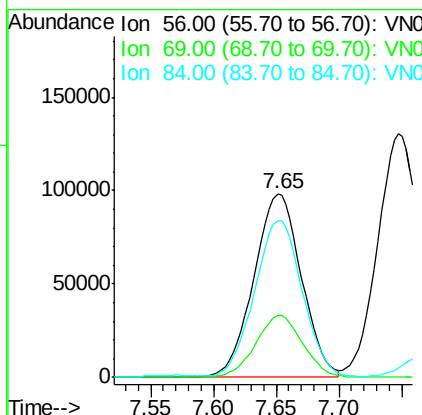
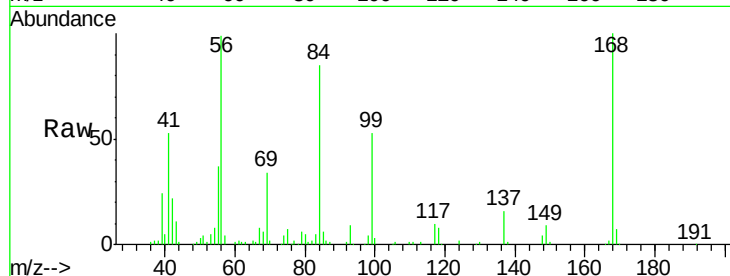
#31
Cyclohexane
Concen: 46.034 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.8	38.6
84	84.5	69.4	104.0

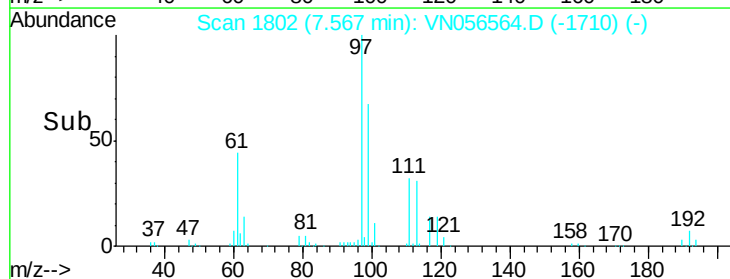
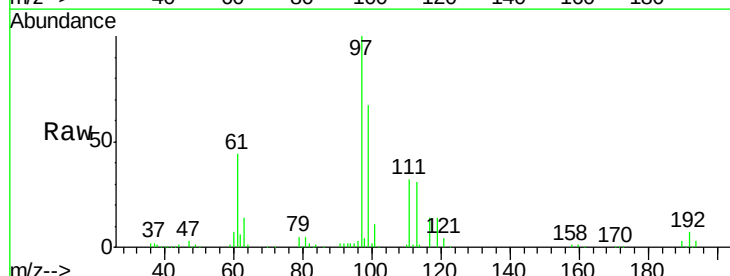
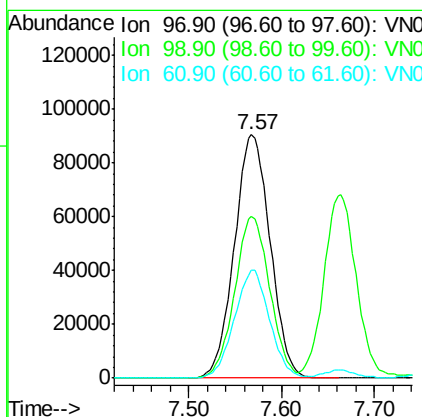
Manual Integrations
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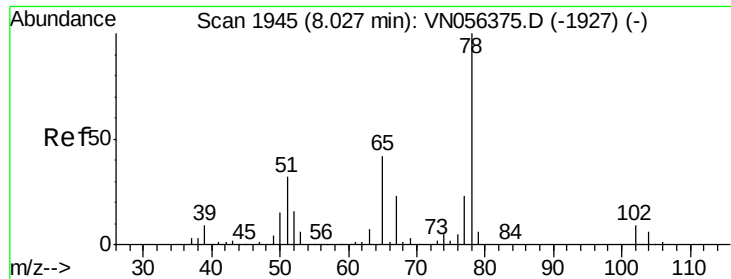
MMDadoda
7/3/2019 9:16:07 AM



#32
1,1,1-Trichloroethane
Concen: 52.999 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	43.4	33.9	50.9





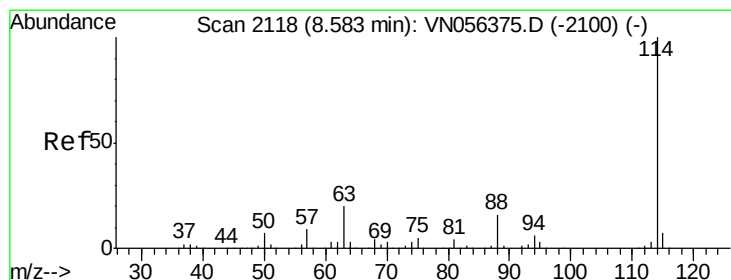
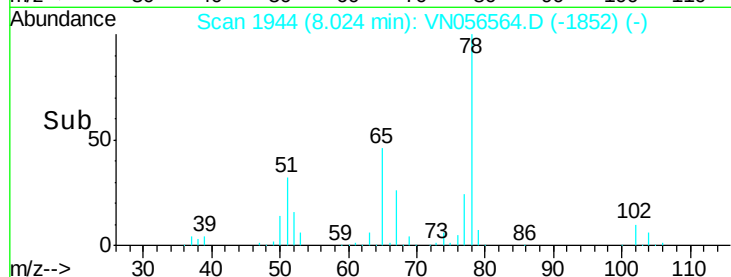
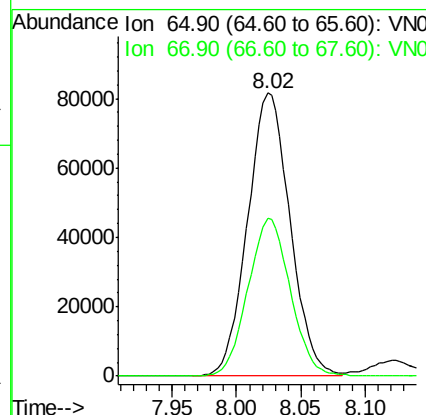
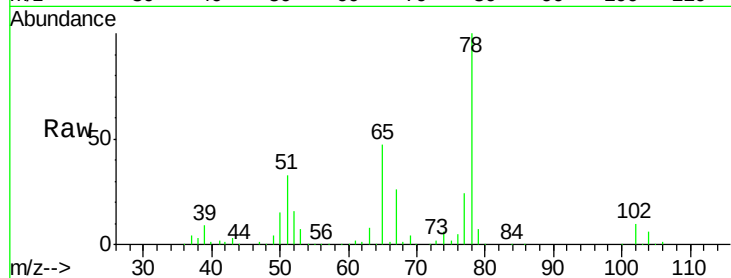
#33
 1,2-Dichloroethane-d4
 Concen: 51.410 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187693		
67	55.6	0.0	109.0	

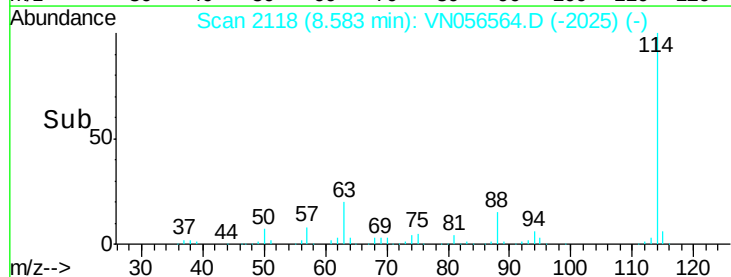
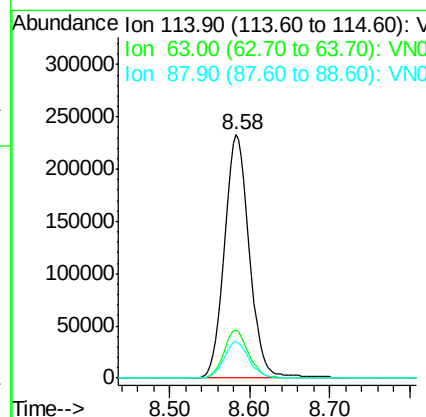
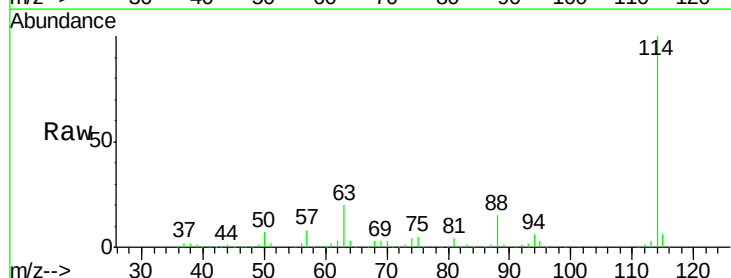
Manual Integrations
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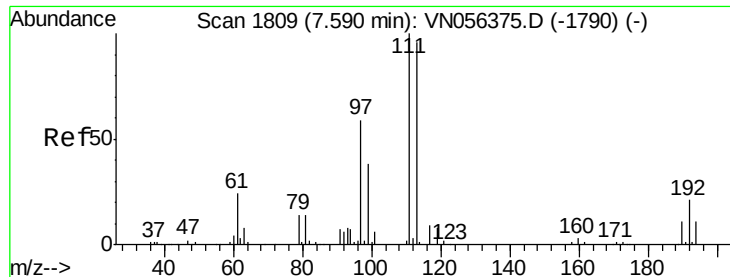
MMDadoda
 7/3/2019 9:16:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	500332		
63	19.9	0.0	39.2	
88	15.0	0.0	31.4	





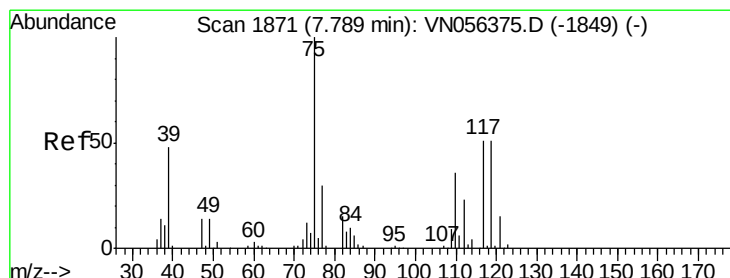
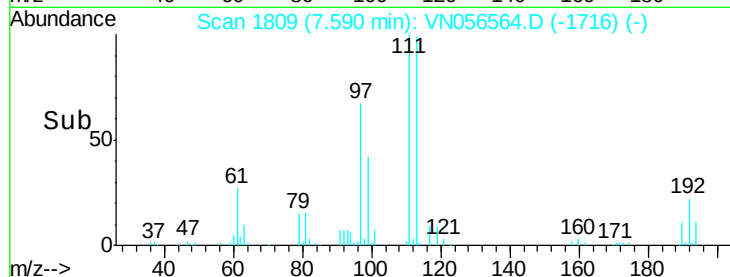
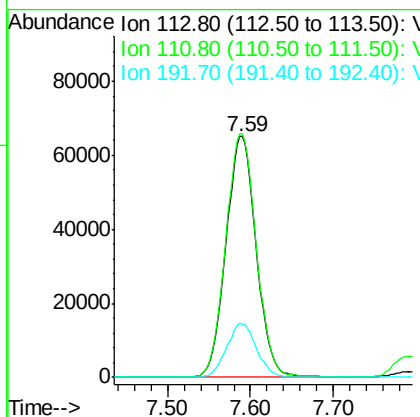
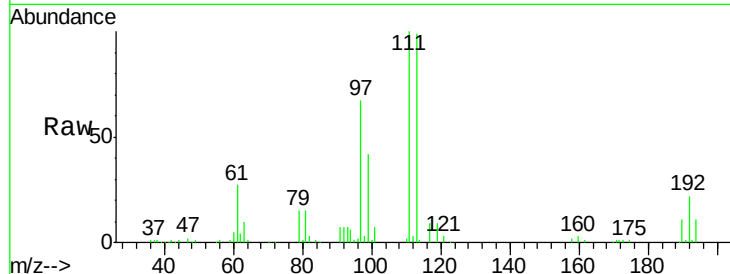
#35
 Dibromofluoromethane
 Concen: 52.918 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165170		
111	102.3	82.9	124.3	
192	22.0	17.7	26.5	

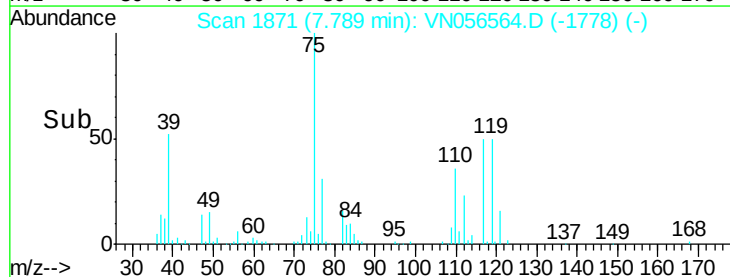
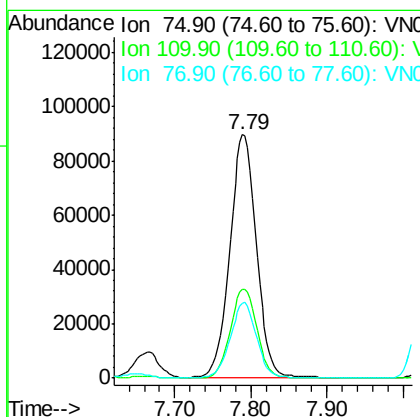
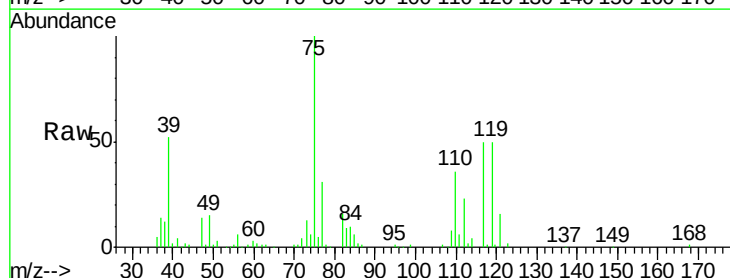
Manual Integrations
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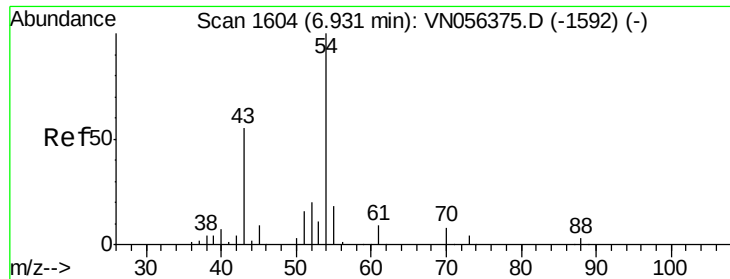
MMDadoda
 7/3/2019 9:16:07 AM



#36
 1,1-Dichloropropene
 Concen: 49.698 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218862		
110	36.4	18.1	54.3	
77	30.7	24.6	36.8	





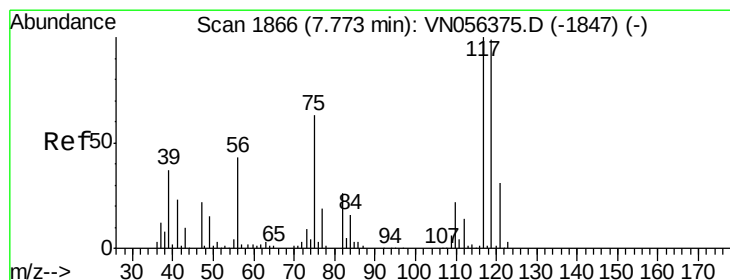
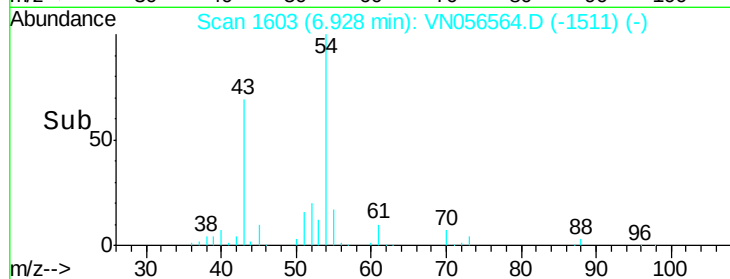
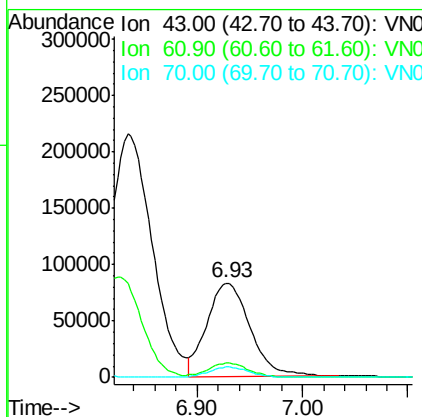
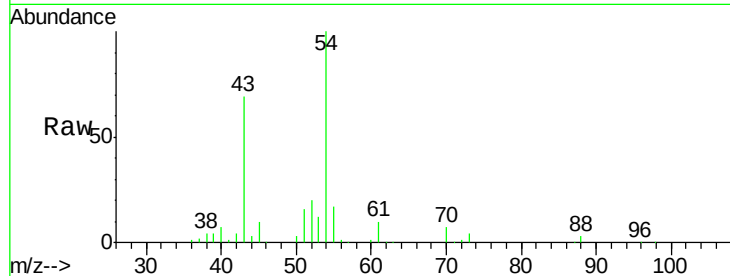
#37
Ethyl Acetate
Concen: 54.532 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.4	8.3	12.5

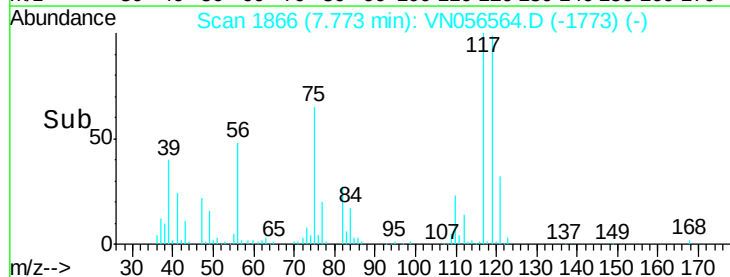
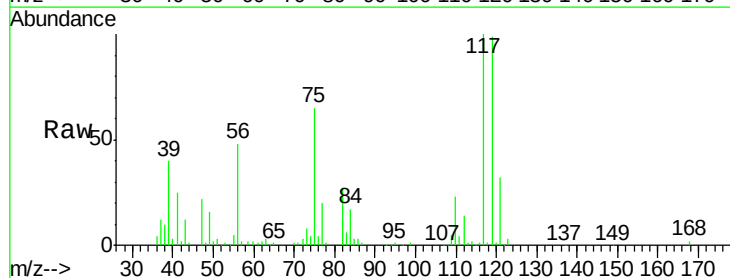
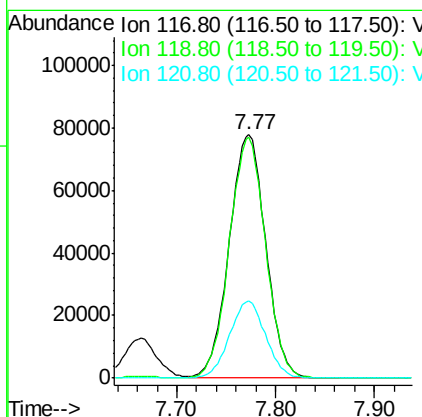
Manual Integrations
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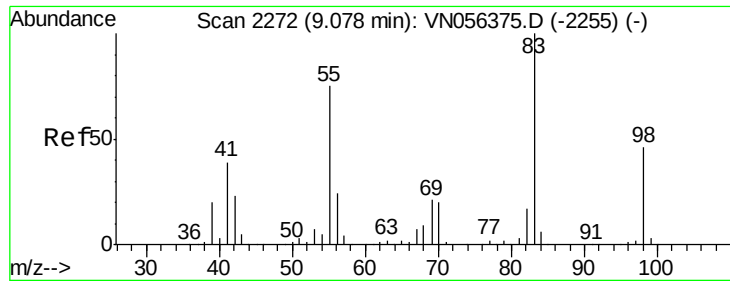
MMDadoda
7/3/2019 9:16:07 AM



#38
Carbon Tetrachloride
Concen: 51.904 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	79.1	118.7
121	31.7	24.8	37.2





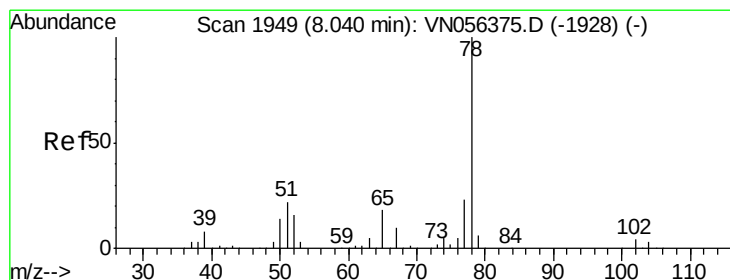
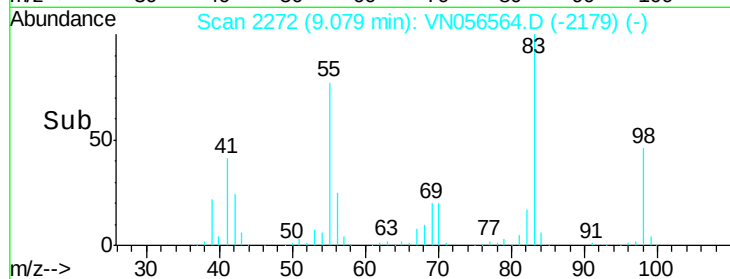
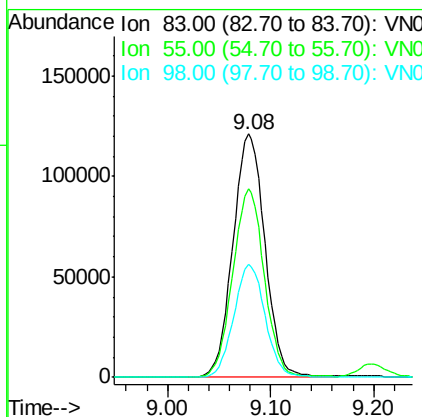
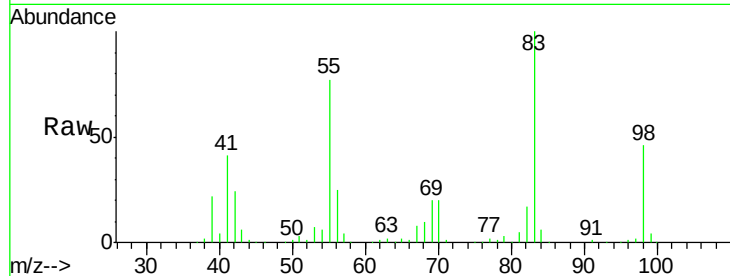
#39
Methylvlcyclohexane
Concen: 48.288 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	262394
Ion Ratio	100	Lower	Upper
83	100		
55	77.2	60.0	90.0
98	46.3	36.6	54.8

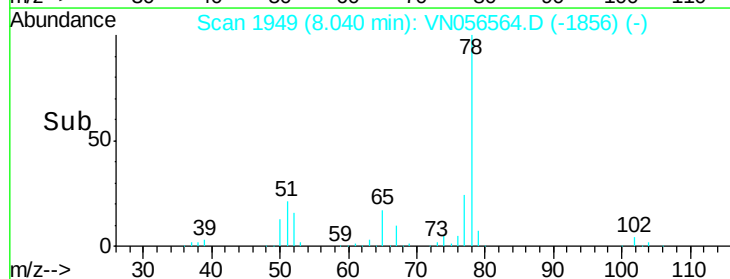
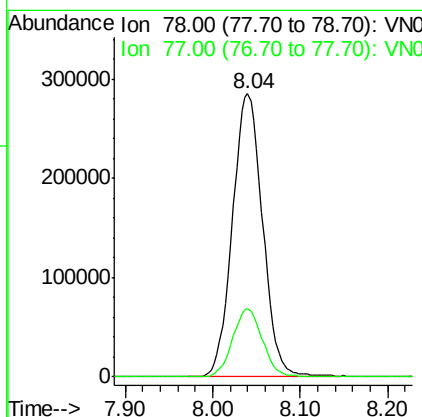
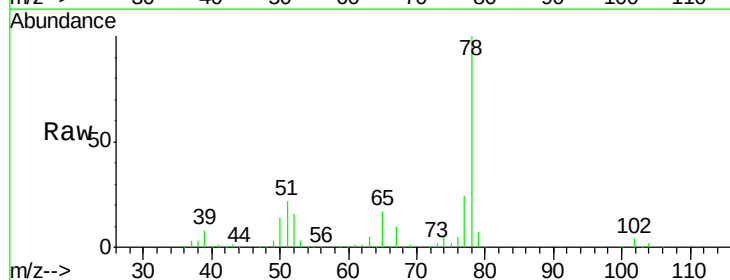
Manual Integrations
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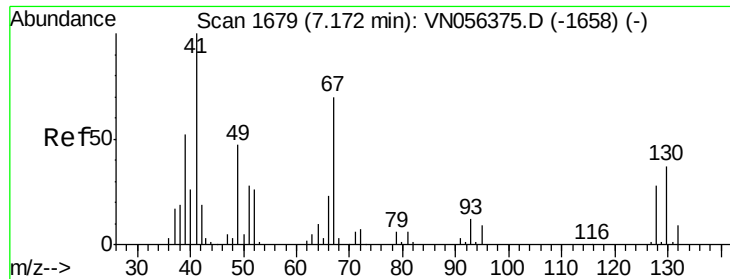
MMDadoda
7/3/2019 9:16:07 AM



#40
Benzene
Concen: 50.508 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	78	Resp	684189
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	18.3	27.5





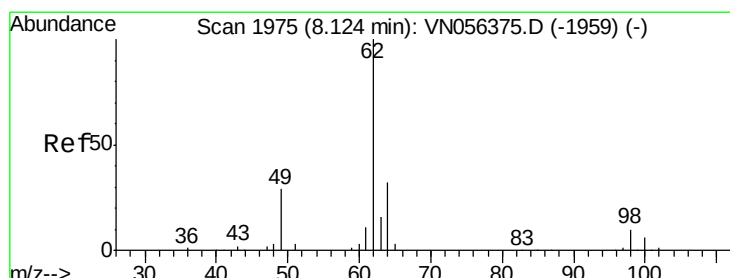
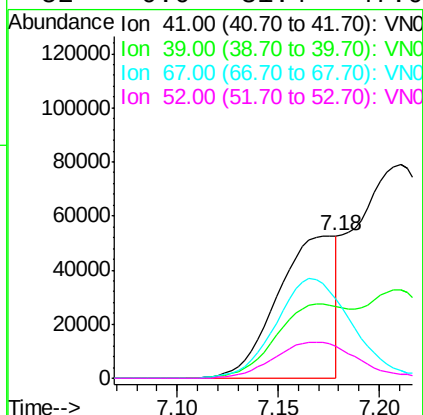
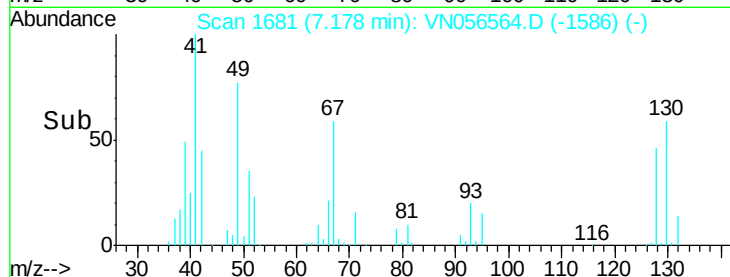
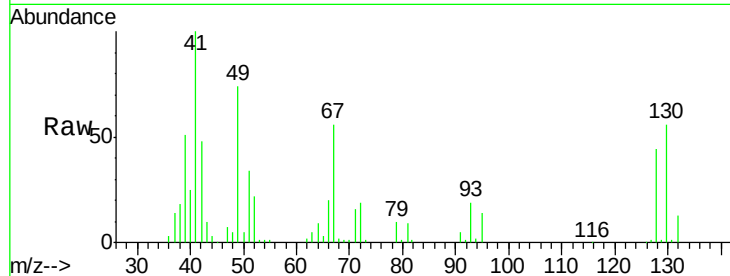
#41
Methacrylonitrile
Concen: 55.084 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

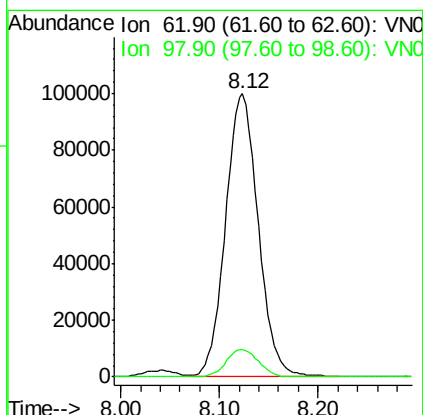
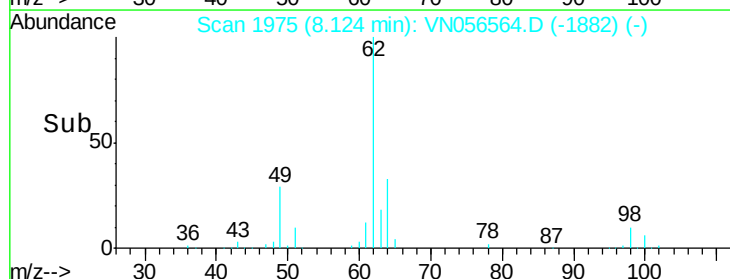
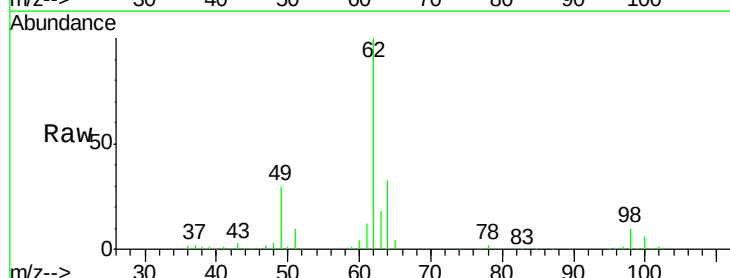
Manual Integrations
APPROVED

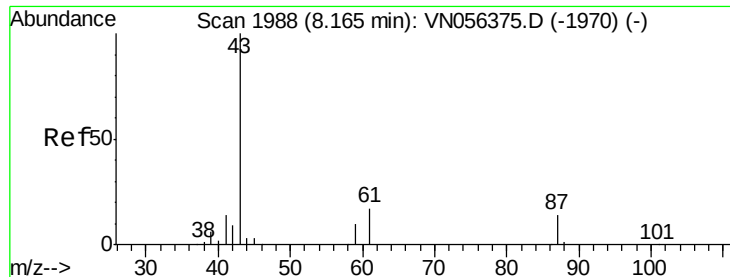
MMDadoda
7/3/2019 9:16:07 AM



#42
1,2-Dichloroethane
Concen: 51.403 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 54.179 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

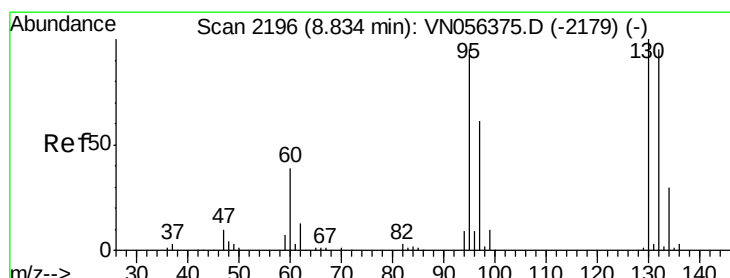
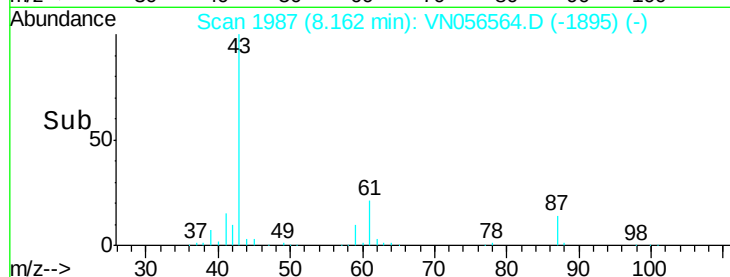
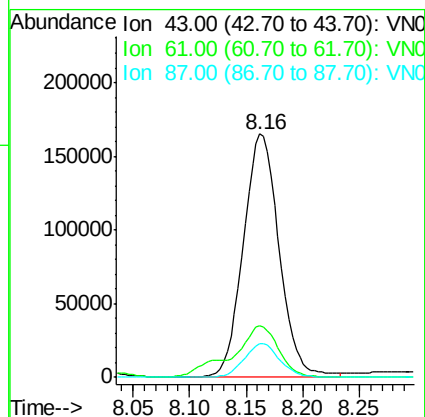
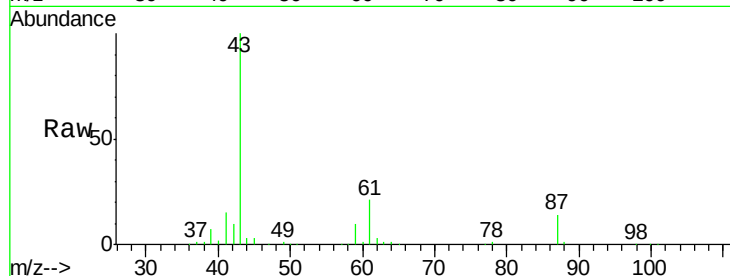
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	361559
Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.0	33.0
87	13.9	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 50.489 ug/l

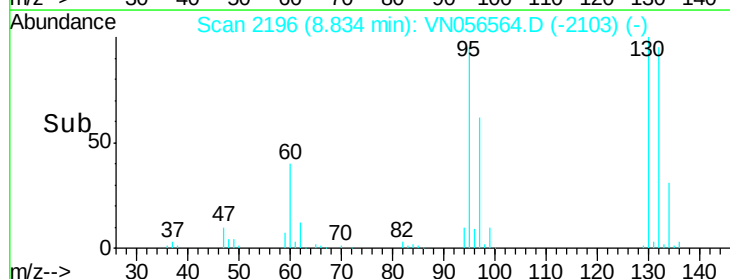
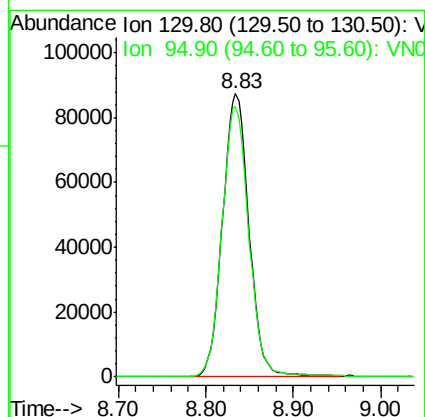
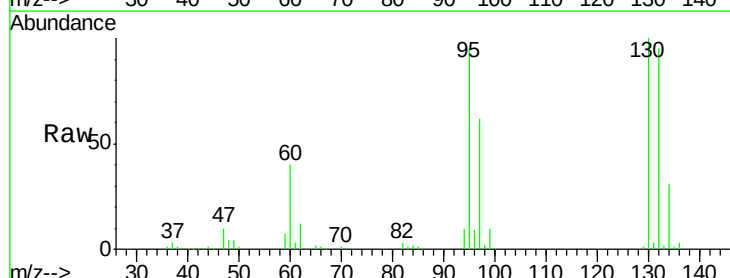
RT: 8.83 min Scan# 2196

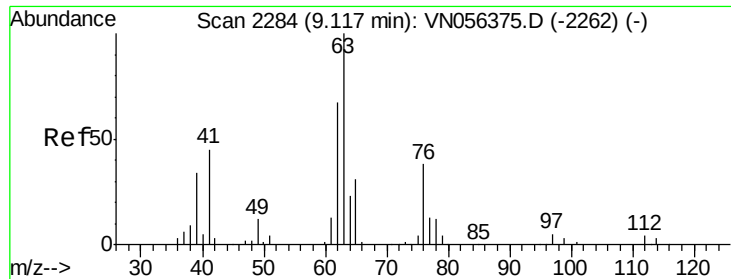
Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion:	130	Resp:	184233
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.0





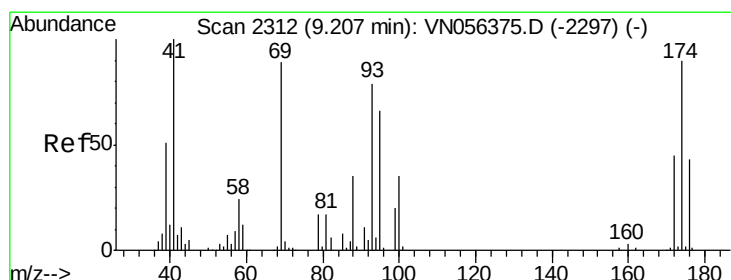
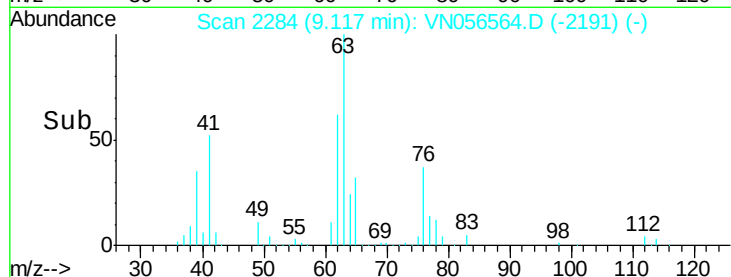
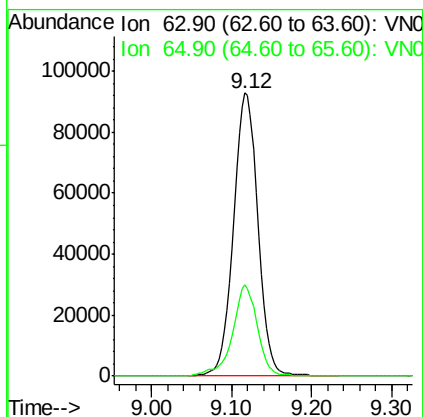
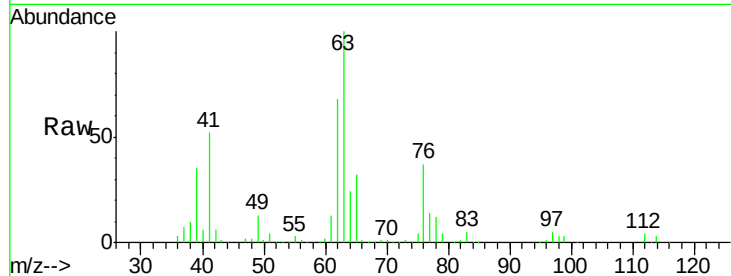
#45
 1,2-Dichloropropane
 Concen: 52.619 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 190625
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6

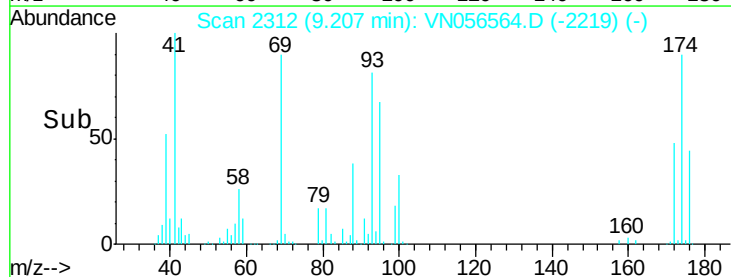
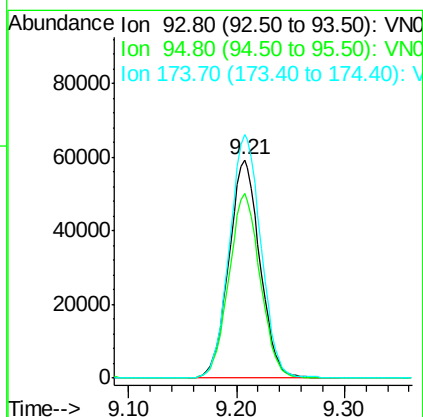
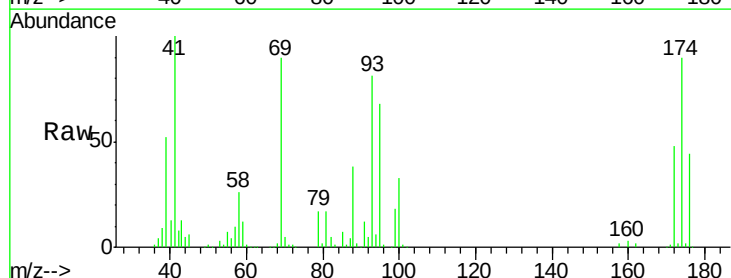
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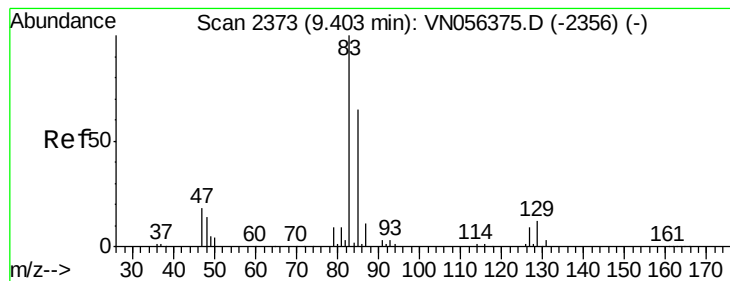
MMDadoda
 7/3/2019 9:16:07 AM



#46
 Dibromomethane
 Concen: 52.558 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion: 93 Resp: 119124
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.2 99.2
 174 112.9 90.8 136.2





#47

Bromodichloromethane

Concen: 56.073 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

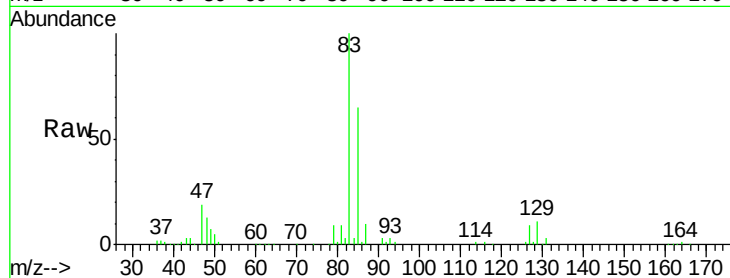
ClientSampleId :

VSTDCCC050

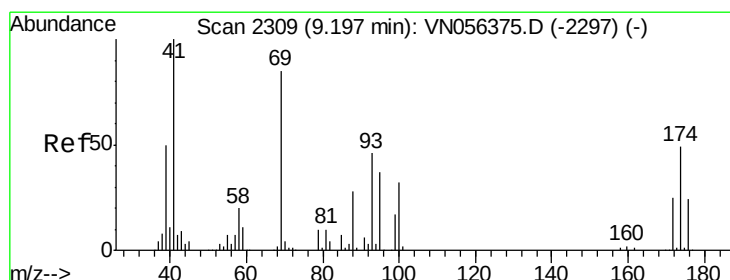
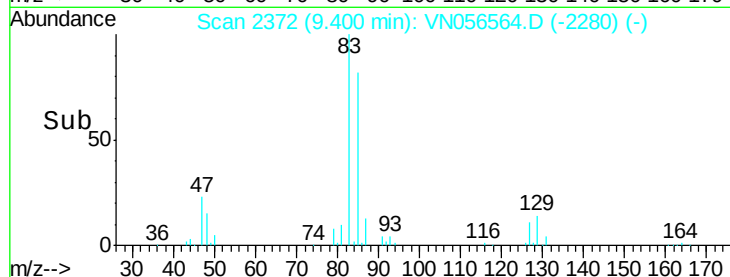
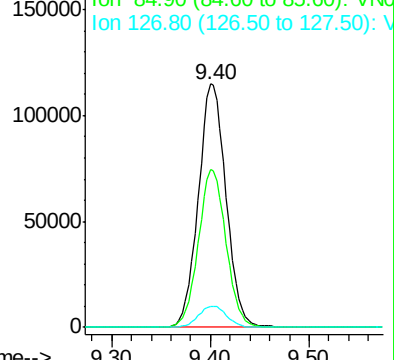
Tot Ion:	83	Resp:	225402
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	8.6	7.3	10.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN056375.D (-2356) (-)



#48

Methyl methacrylate

Concen: 53.217 ug/l

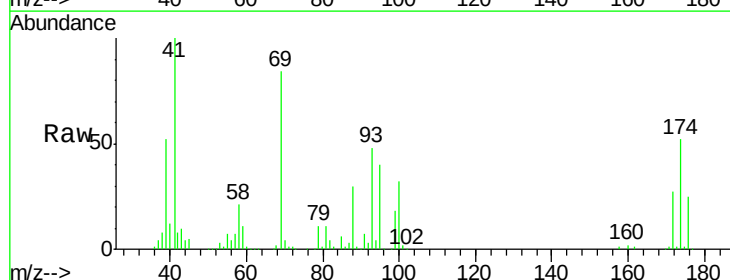
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

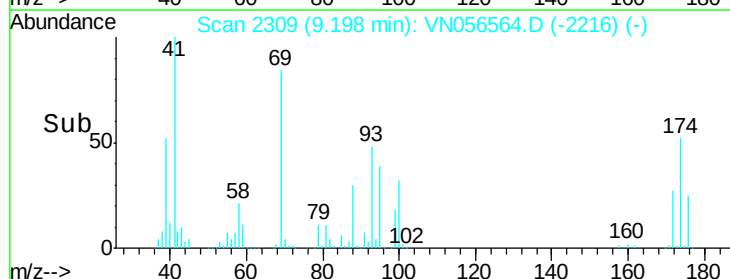
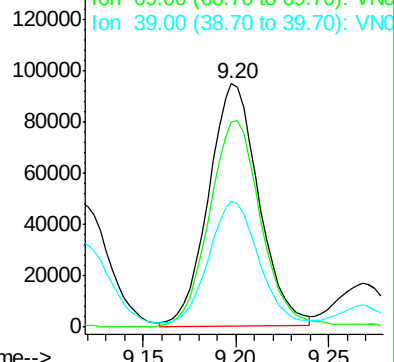
Lab File: VN056564.D

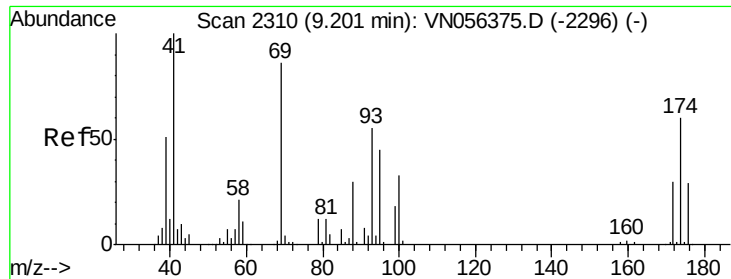
Acq: 1 Jul 2019 11:55

Tgt Ion:	41	Resp:	177965
Ion	Ratio	Lower	Upper
41	100		
69	87.9	72.6	109.0
39	52.6	42.6	63.8



Abundance Ion 41.00 (40.70 to 41.70): VN056375.D (-2297) (-)





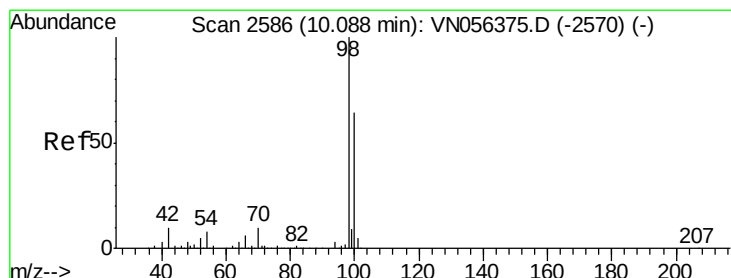
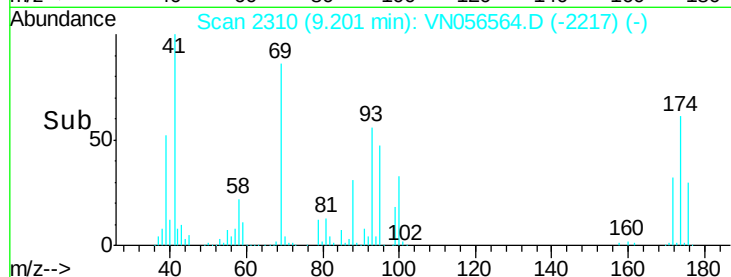
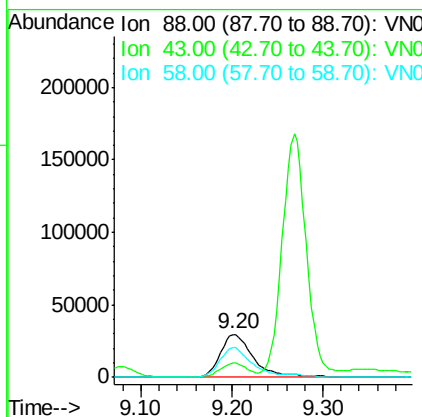
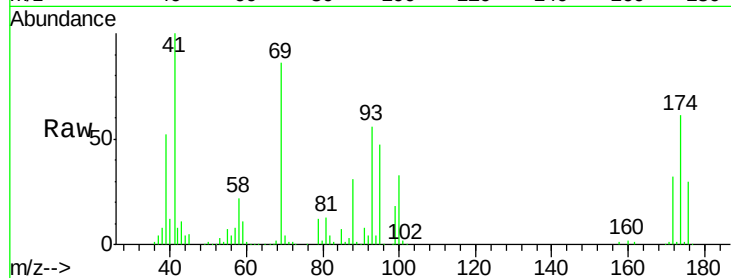
#49
1,4-Dioxane
Concen: 1090.885 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	75706
Ion	Ratio	Lower	Upper
88	100		
43	26.8	22.0	33.0
58	71.2	51.8	77.8

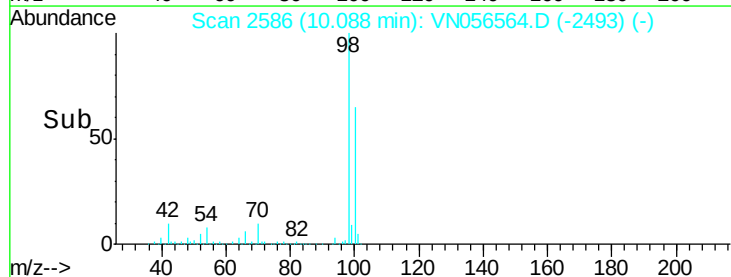
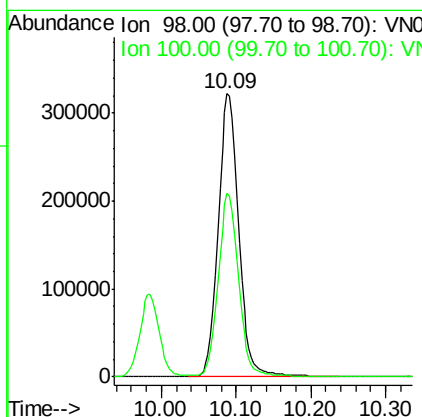
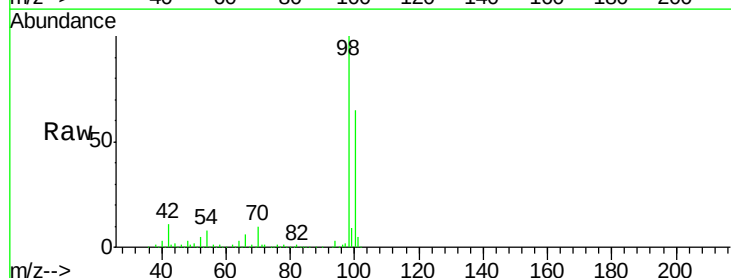
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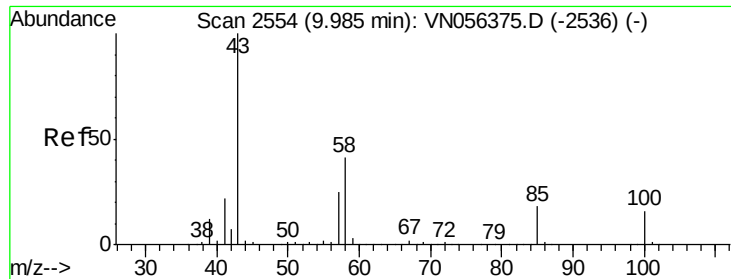
MMDadoda
7/3/2019 9:16:07 AM



#50
Toluene-d8
Concen: 50.451 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	98	Resp	612731
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 271.289 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1168508

Ion Ratio Lower Upper

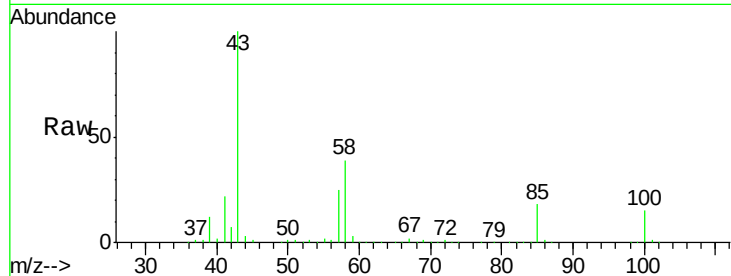
43 100

58 38.8 31.8 47.8

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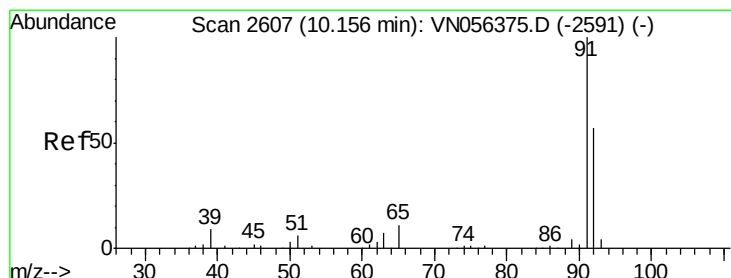
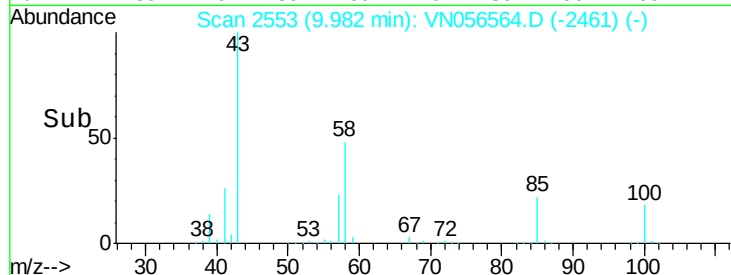
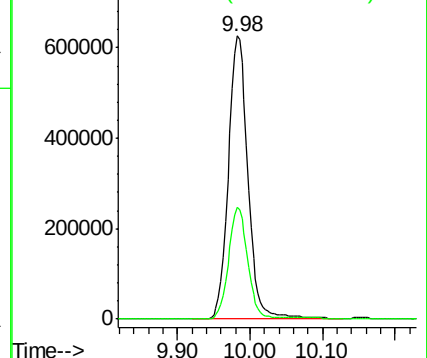
MMDadoda

7/3/2019 9:16:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.234 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056564.D

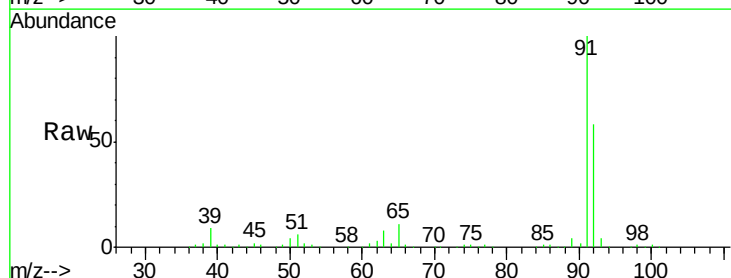
Acq: 1 Jul 2019 11:55

Tgt Ion: 92 Resp: 424311

Ion Ratio Lower Upper

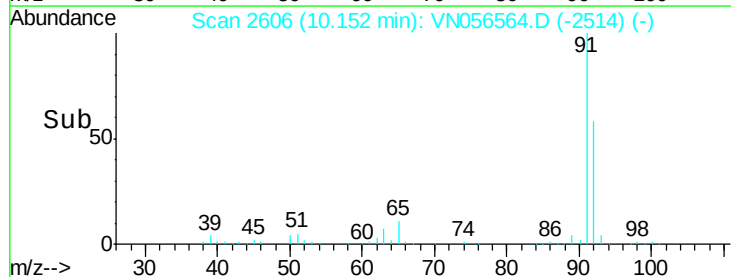
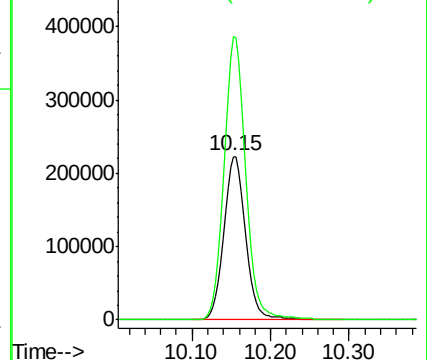
92 100

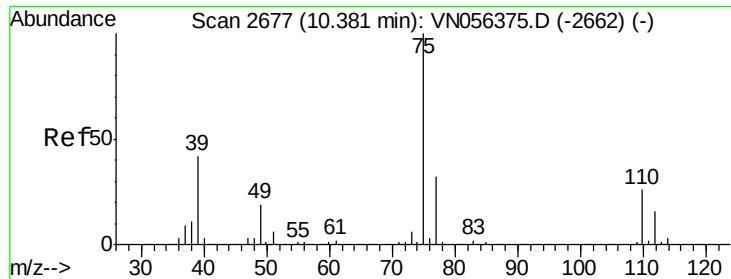
91 173.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





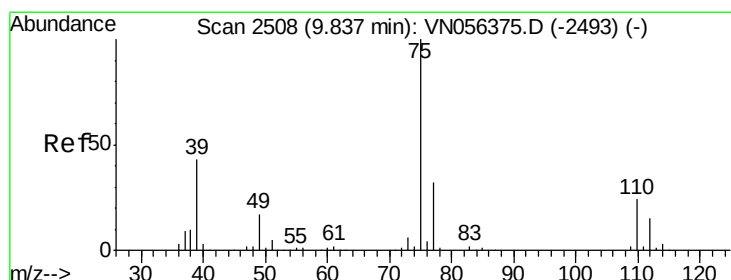
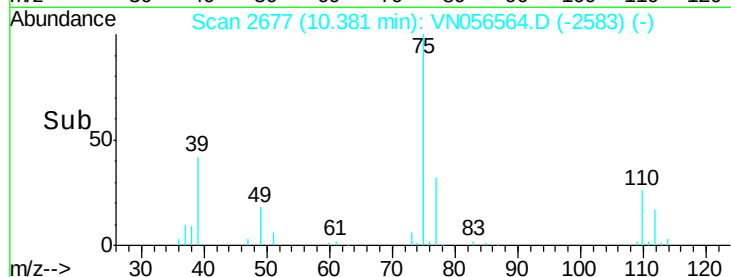
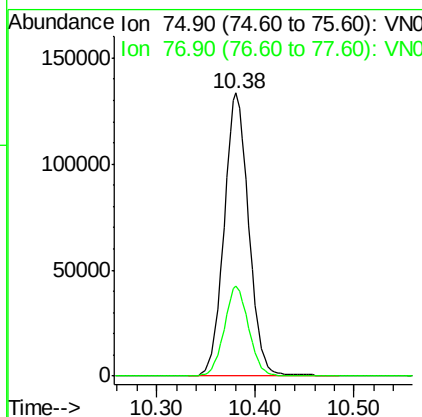
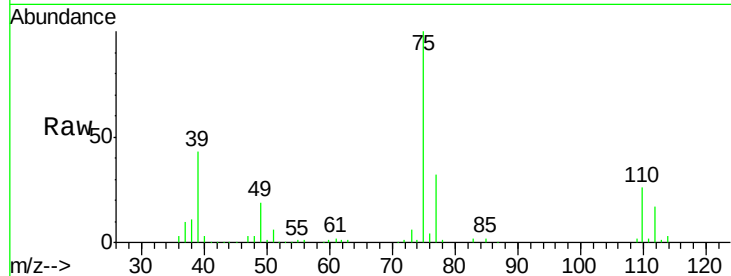
#53
t-1,3-Dichloropropene
Concen: 49.984 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 234019
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

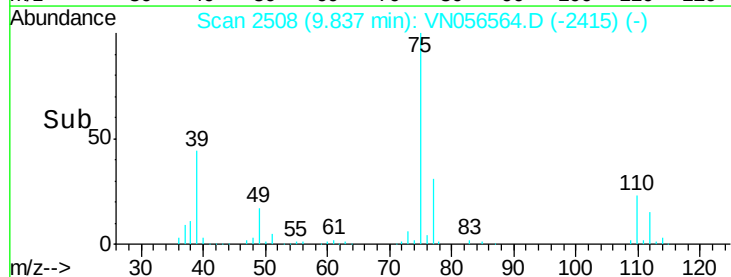
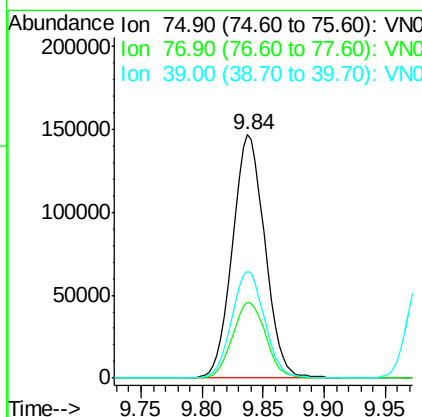
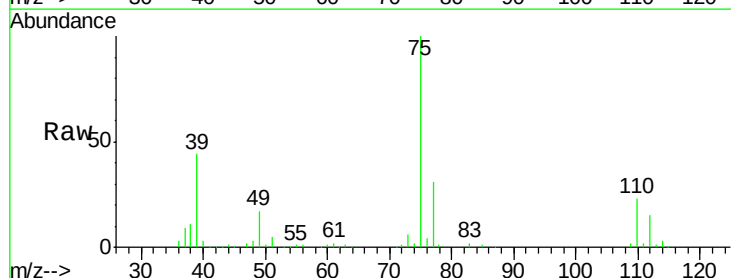
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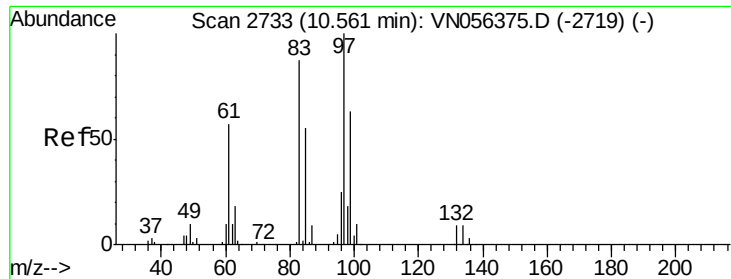
MMDadoda
7/3/2019 9:16:07 AM



#54
cis-1,3-Dichloropropene
Concen: 56.054 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion: 75 Resp: 271344
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 44.0 34.2 51.4





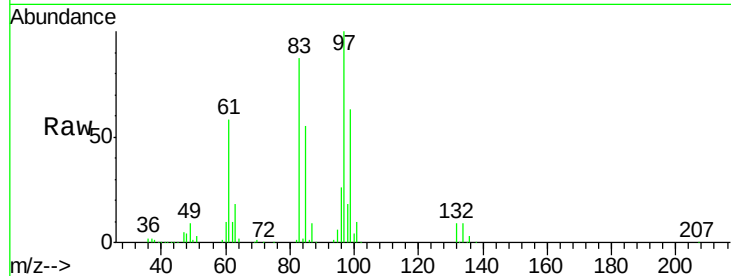
#55
 1,1,2-Trichloroethane
 Concen: 53.911 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	179467
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.8	104.6
85	55.1	43.8	65.8
99	62.7	50.2	75.2

Manual Integrations
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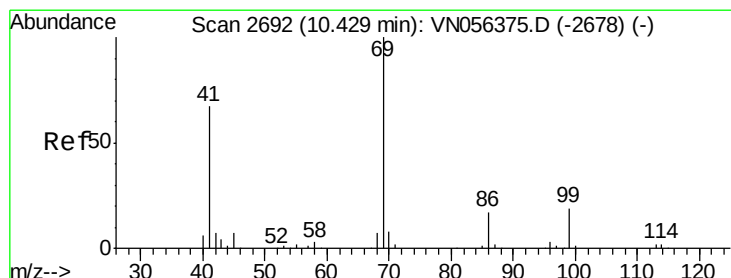
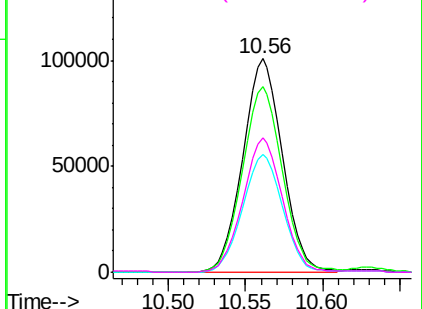
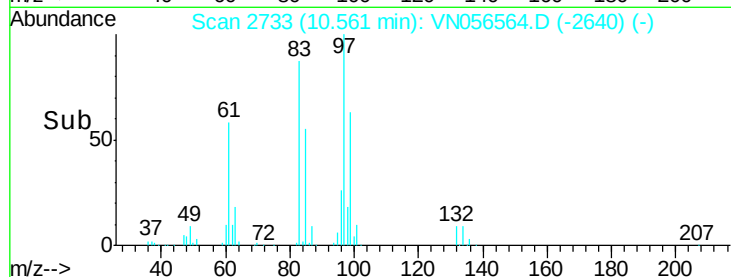
Abundance

Ion 96.90 (96.60 to 97.60): VN056564.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN056564.D (-2640) (-)

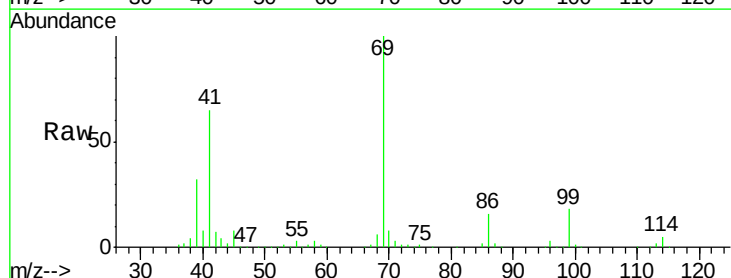
Ion 84.90 (84.60 to 85.60): VN056564.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN056564.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 53.894 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion:	69	Resp:	262196
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.4	77.2
39	30.6	24.7	37.1

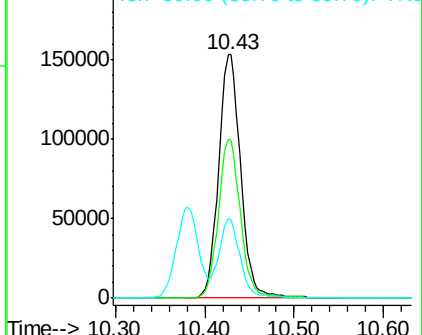
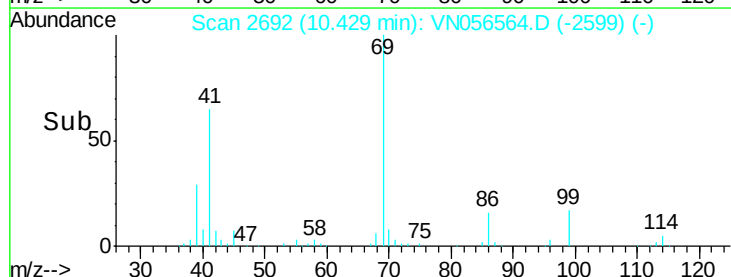


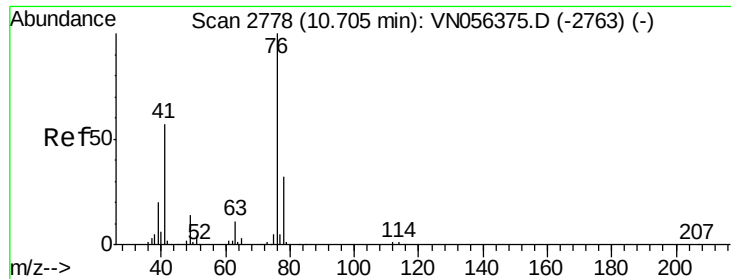
Abundance

Ion 69.00 (68.70 to 69.70): VN056564.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN056564.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN056564.D (-2599) (-)





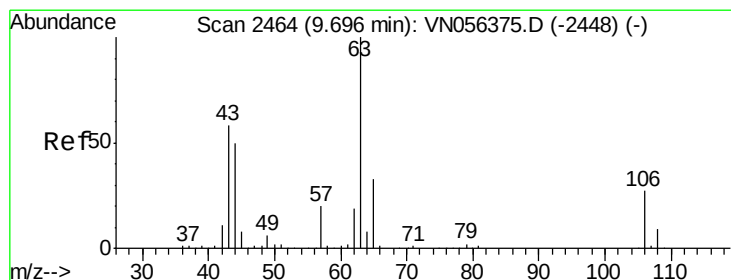
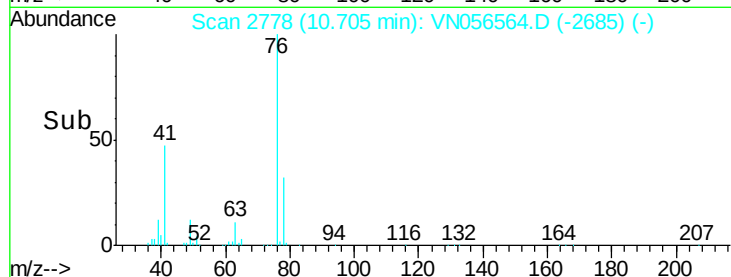
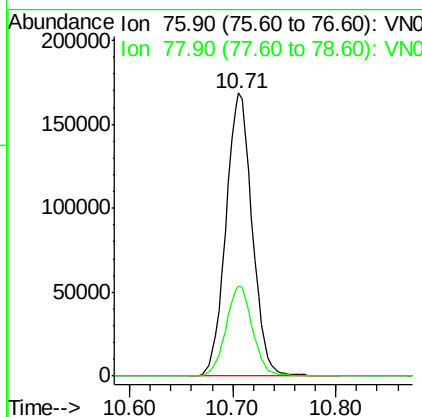
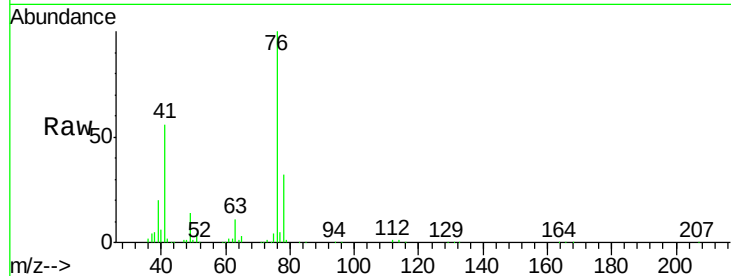
#57
 1,3-Dichloropropane
 Concen: 53.574 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 299609
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

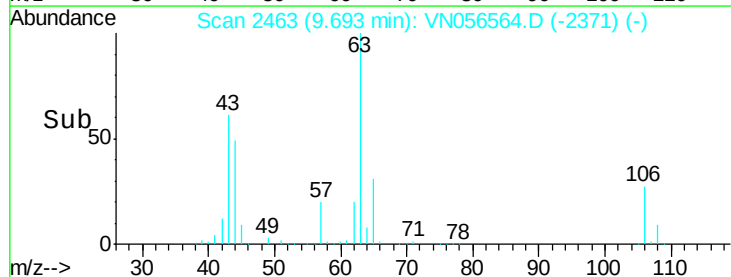
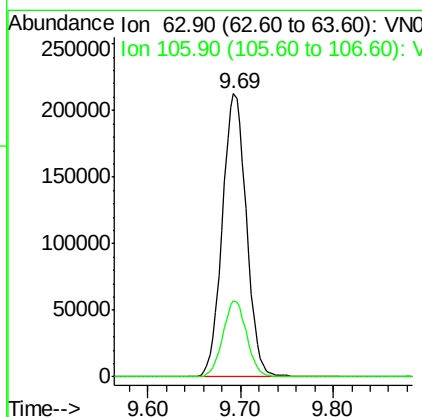
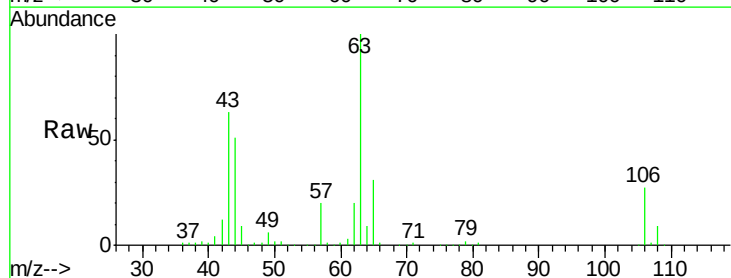
Manual Integrations
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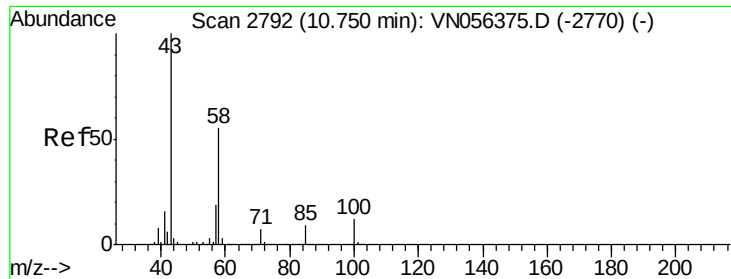
MMDadoda
 7/3/2019 9:16:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.367 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion: 63 Resp: 383400
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.6 32.4





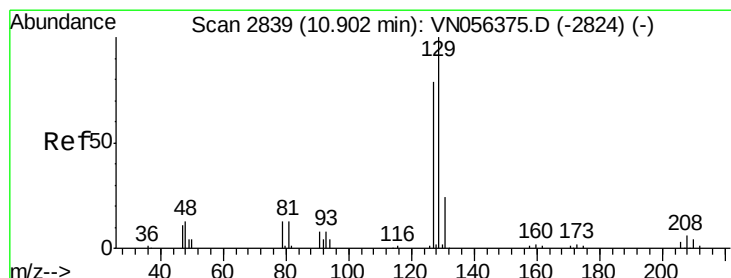
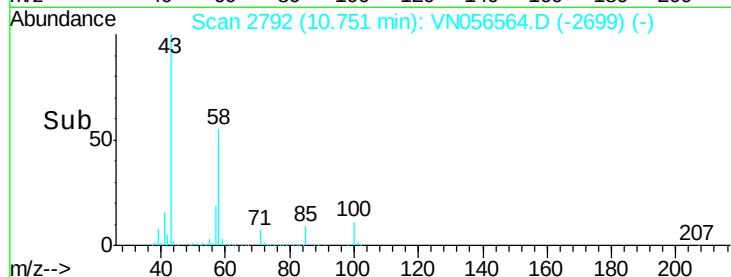
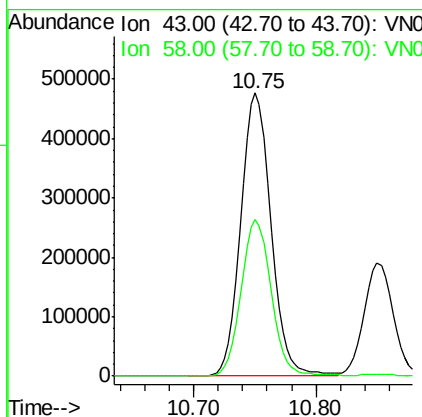
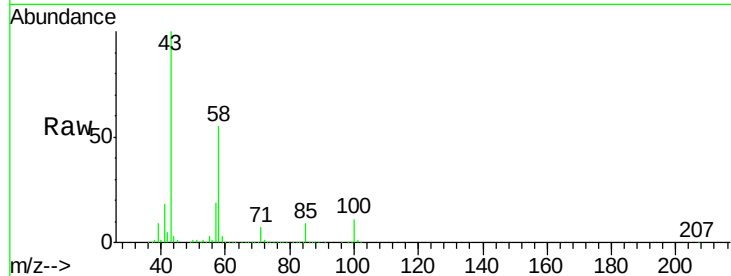
#59
2-Hexanone
Concen: 256.826 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 813027
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

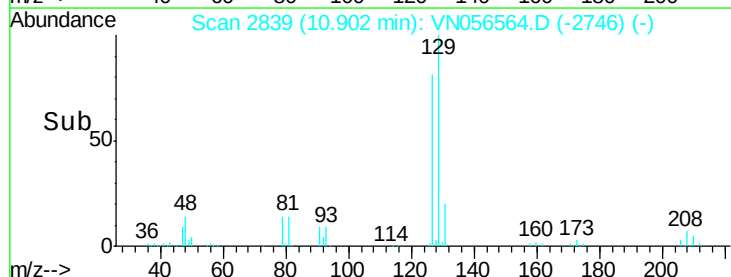
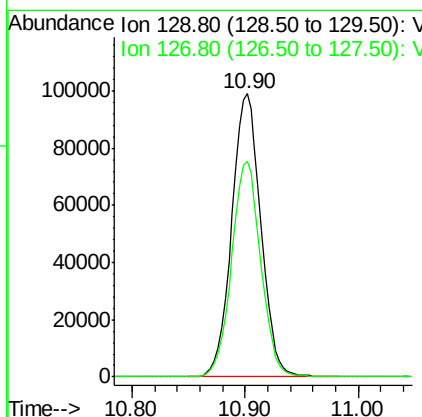
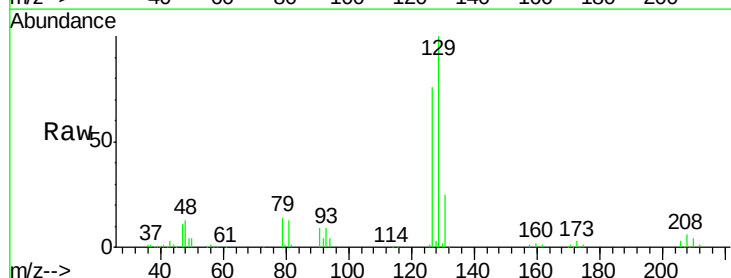
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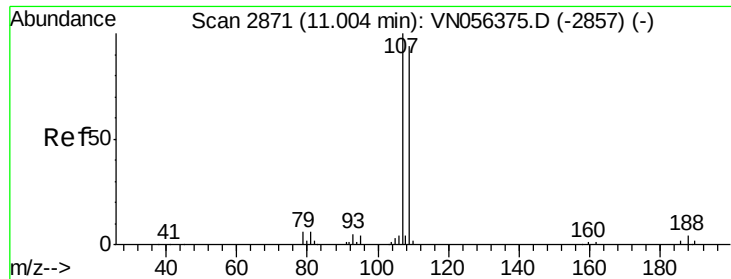
MMDadoda
7/3/2019 9:16:07 AM



#60
Dibromochloromethane
Concen: 51.581 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion: 129 Resp: 176765
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.7





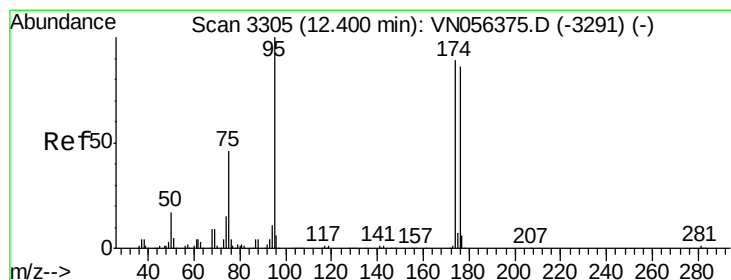
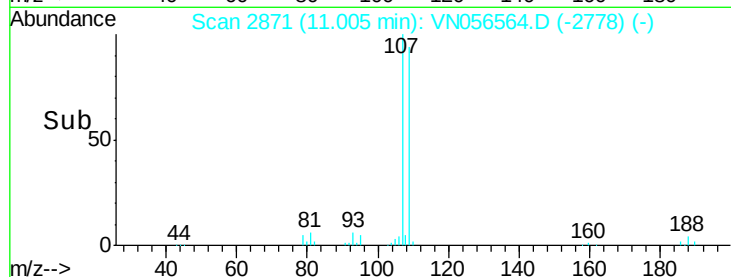
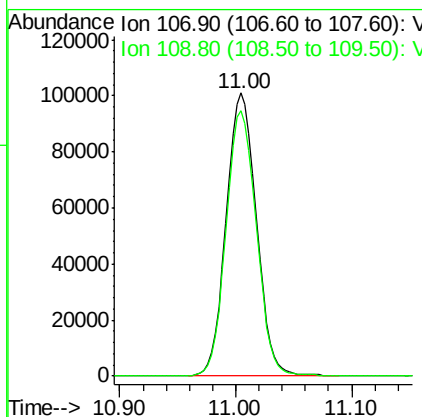
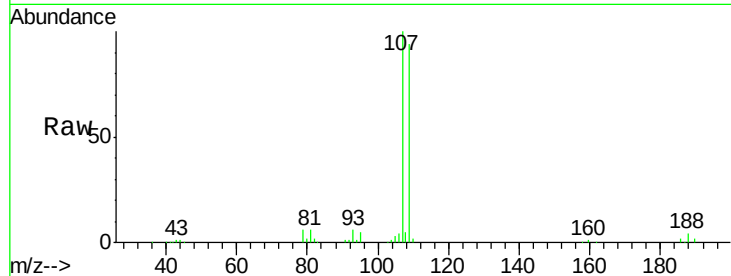
#61
 1,2-Dibromoethane
 Concen: 53.448 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	181724		
109	94.1	75.3	112.9	

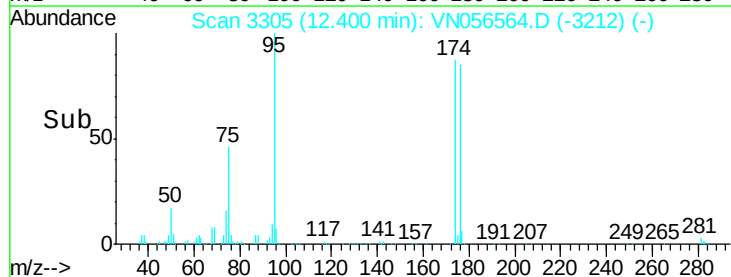
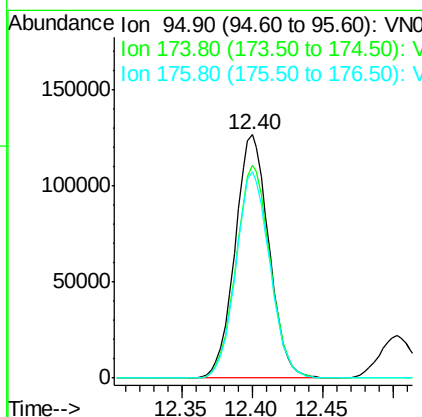
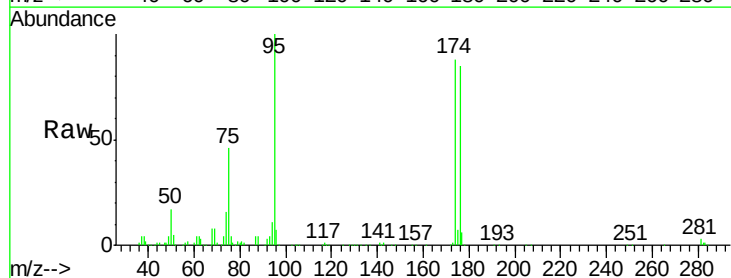
Manual Integrations
 APPROVED

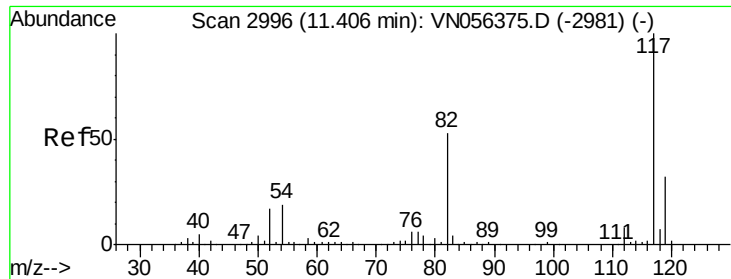
MMDadoda
 7/3/2019 9:16:07 AM



#62
 4-Bromofluorobenzene
 Concen: 52.522 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	212641		
174	88.2	0.0	179.4	
176	85.1	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: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

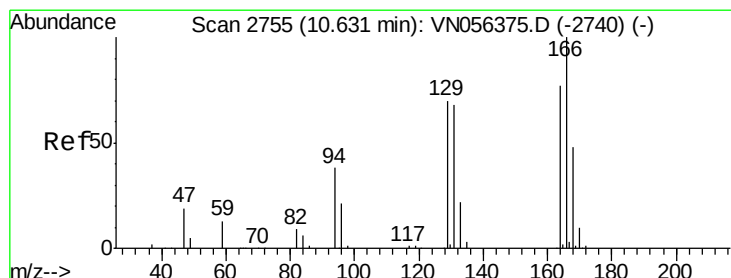
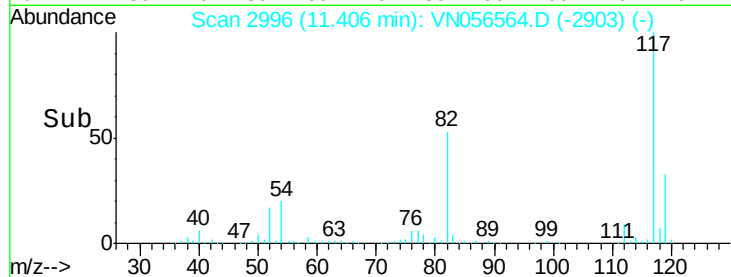
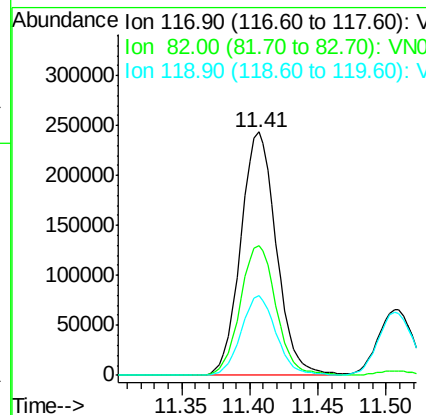
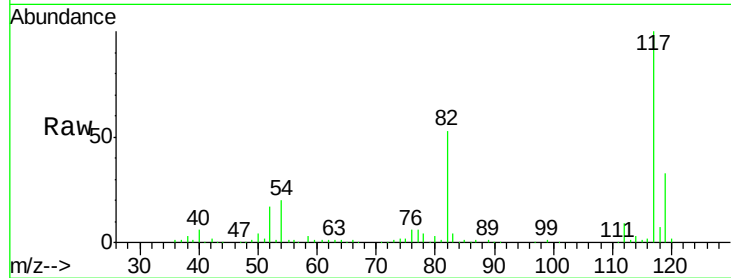
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	442205
Ion Ratio	Lower	Upper	
117	100		
82	53.2	42.0	63.0
119	32.5	25.3	37.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 51.960 ug/l

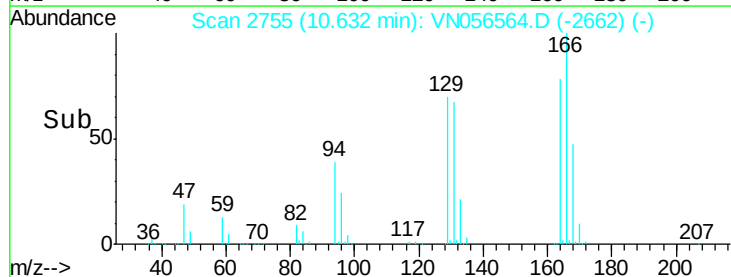
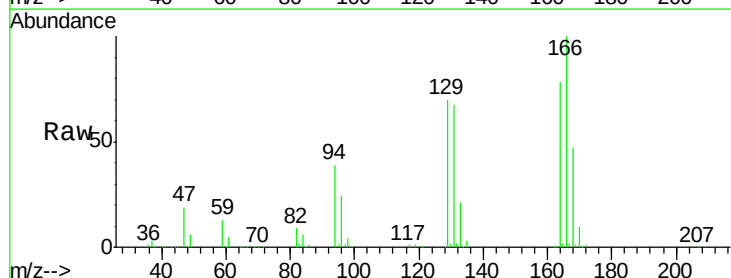
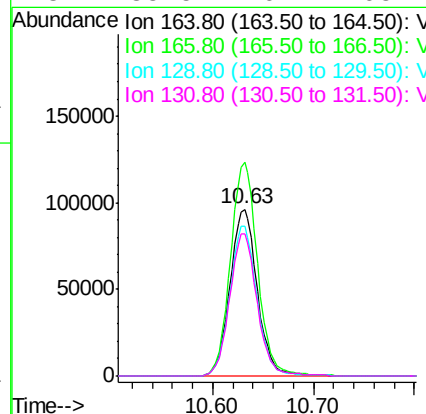
RT: 10.63 min Scan# 2755

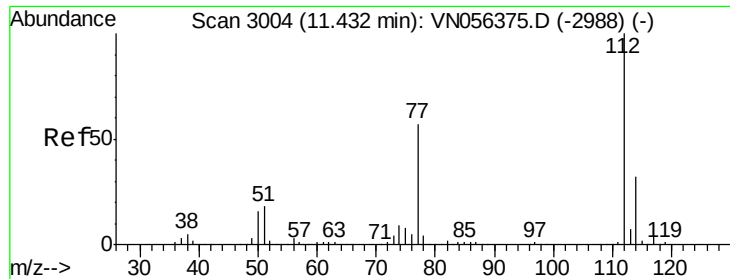
Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion:	164	Resp:	181958
Ion Ratio	Lower	Upper	
164	100		
166	128.1	103.4	155.0
129	89.7	72.0	108.0
131	85.5	70.2	105.2





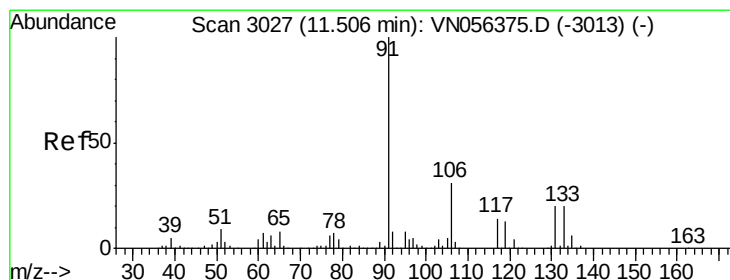
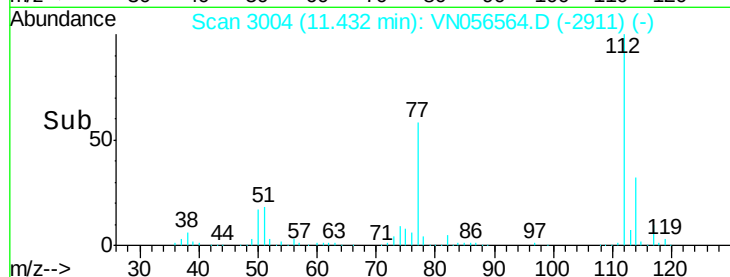
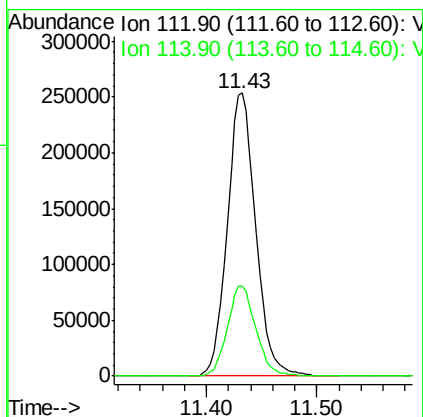
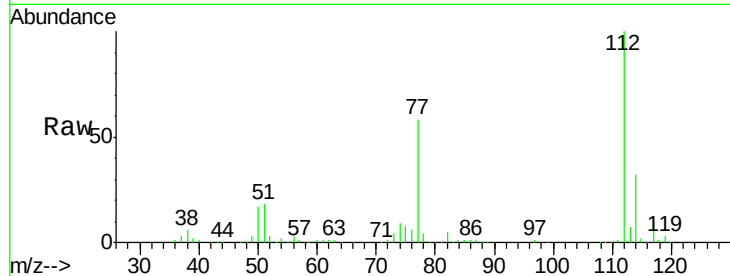
#65
Chlorobenzene
Concen: 50.883 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 452126
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

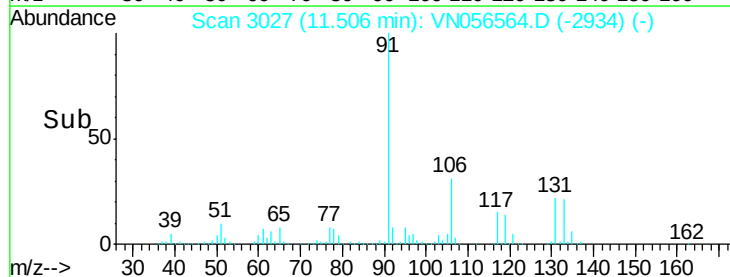
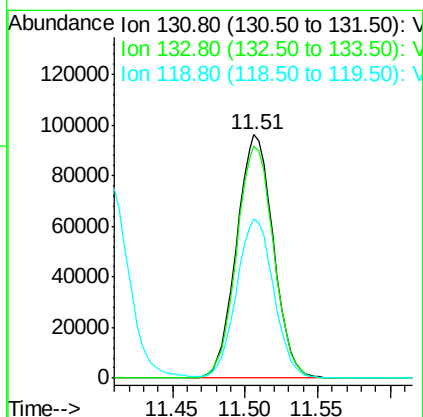
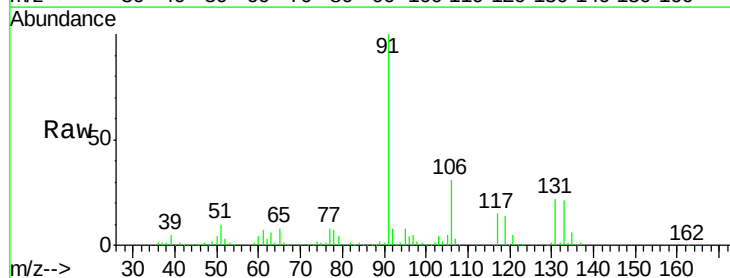
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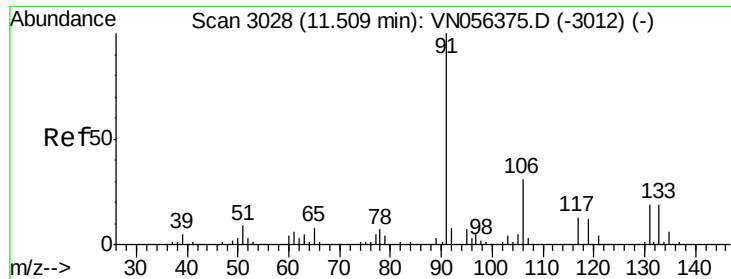
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.549 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion:131 Resp: 169821
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.2
119 66.1 32.8 98.4





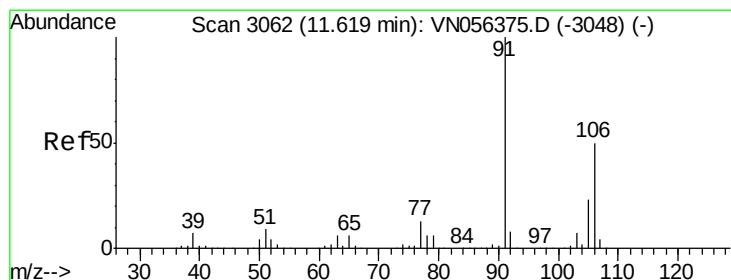
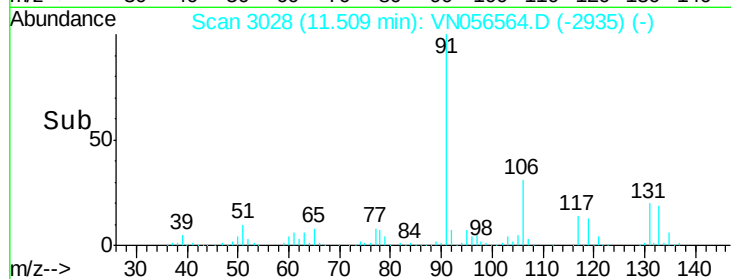
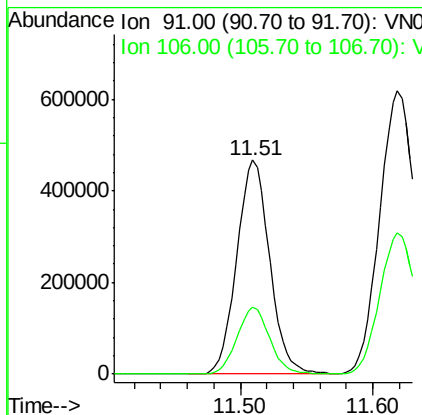
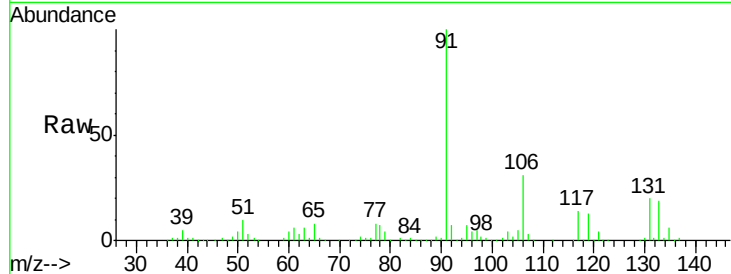
#67
Ethyl Benzene
Concen: 51.555 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 804343
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

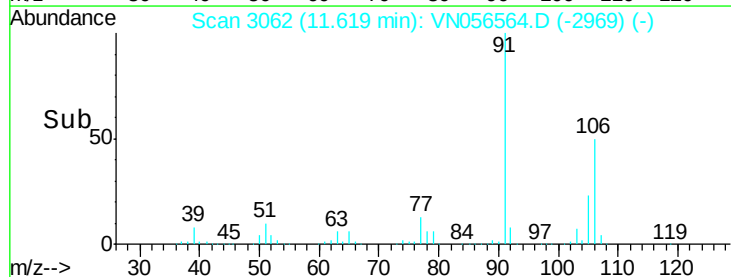
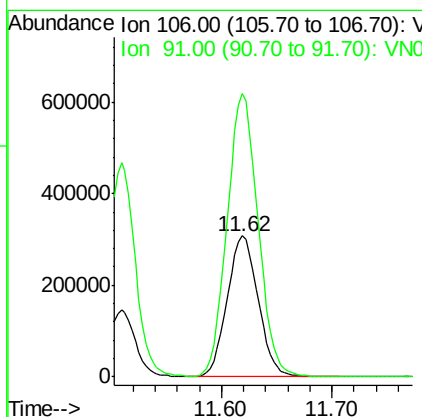
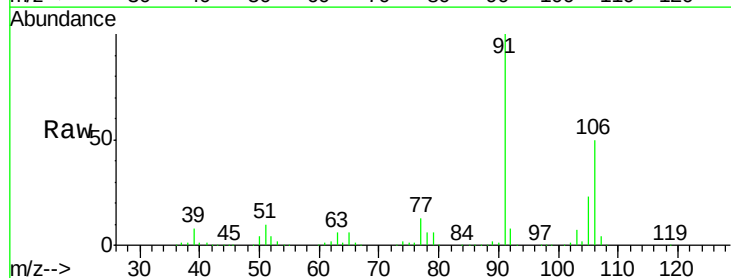
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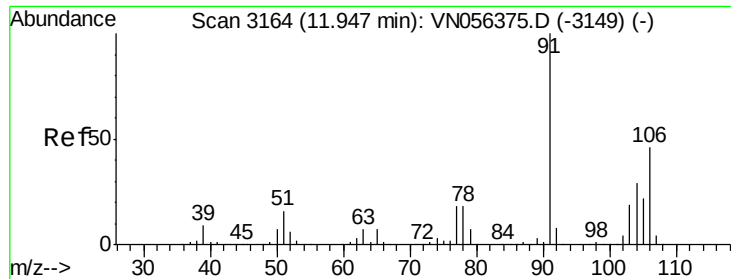
MMDadoda
7/3/2019 9:16:07 AM



#68
m/p-Xylenes
Concen: 104.977 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion: 106 Resp: 600224
Ion Ratio Lower Upper
106 100
91 200.1 160.1 240.1





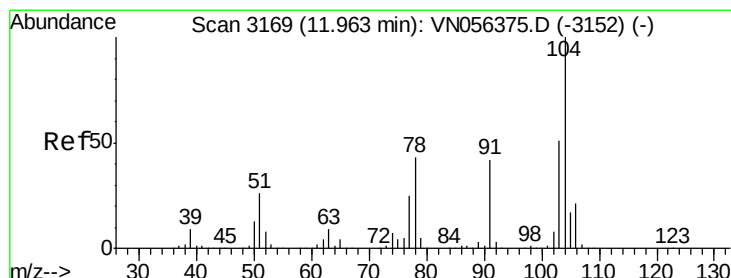
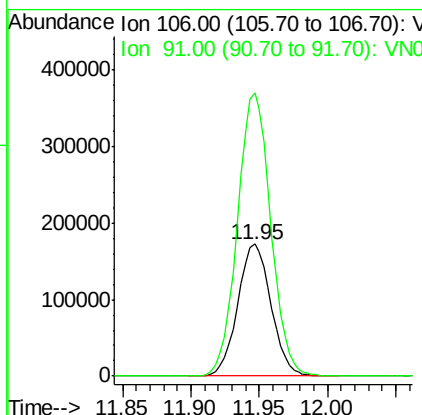
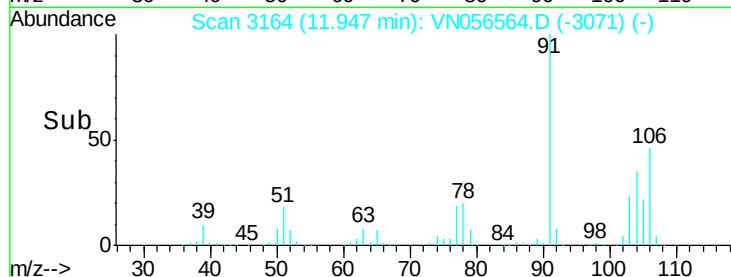
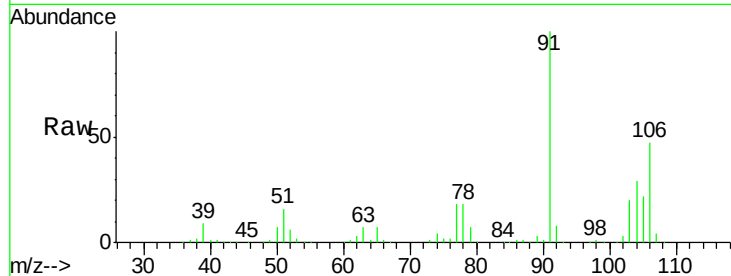
#69
o-Xylene
Concen: 51.717 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 292545
Ion Ratio Lower Upper
106 100
91 214.2 107.1 321.3

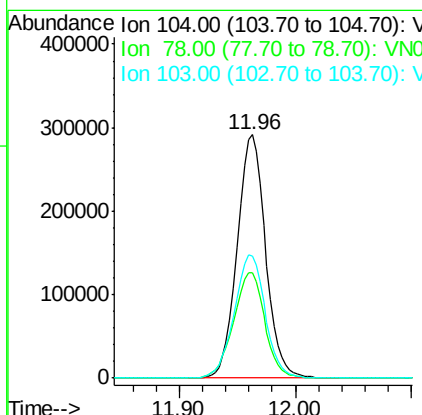
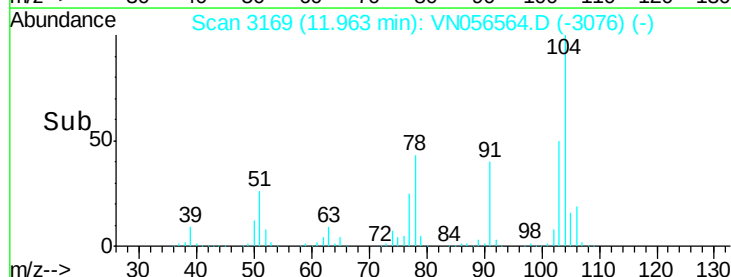
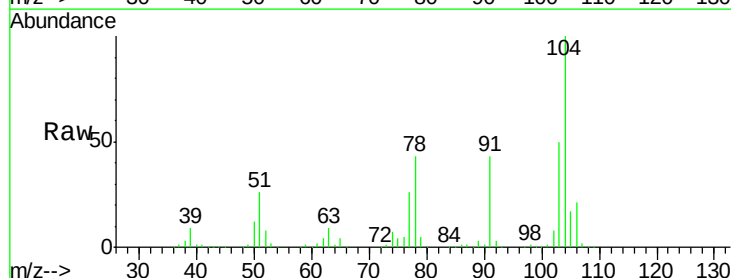
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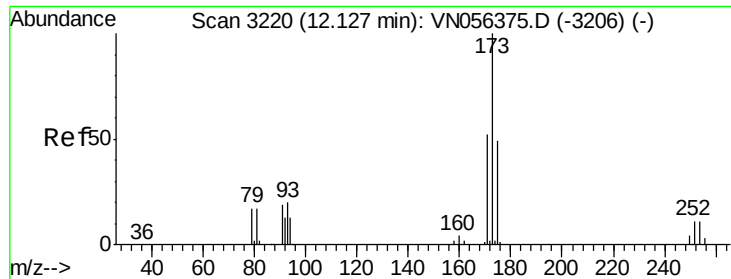
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#70
Styrene
Concen: 54.637 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion:104 Resp: 494016
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.4 43.9 65.9





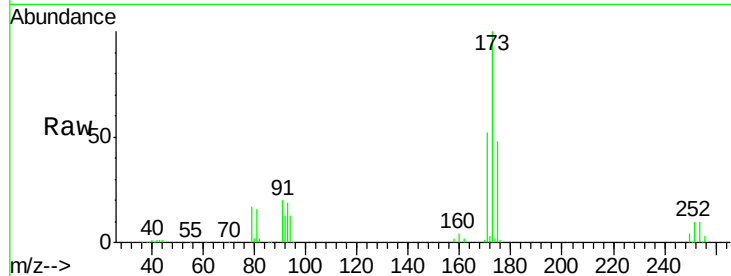
#71
Bromoform
Concen: 51.048 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

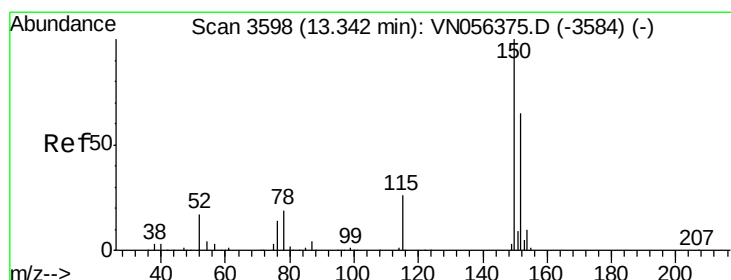
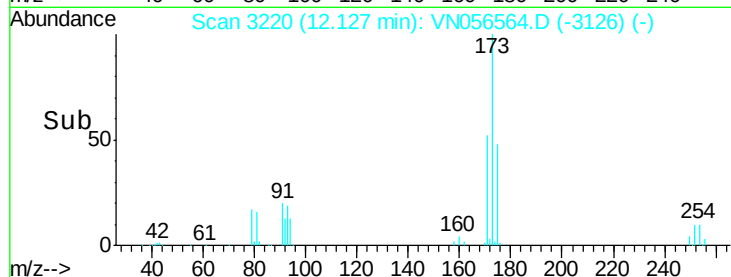
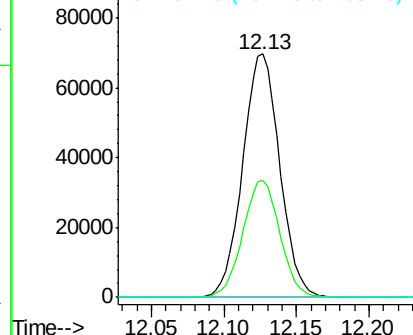
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.4
254	0.1	0.0	0.0#

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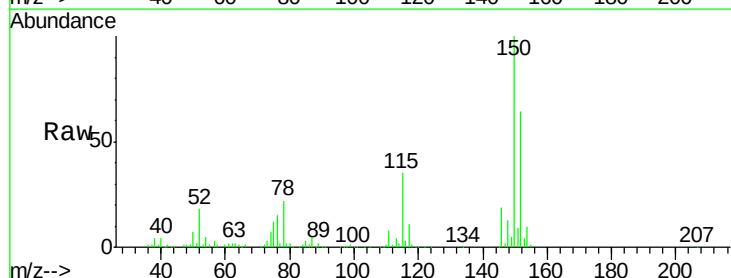


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

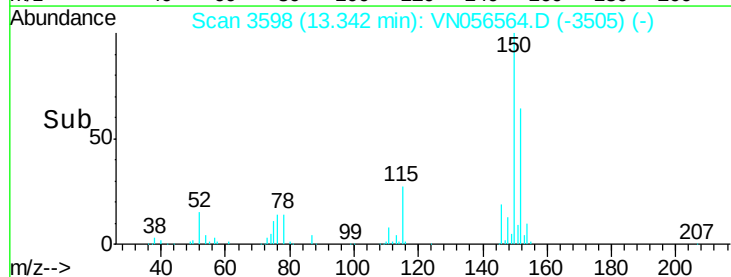
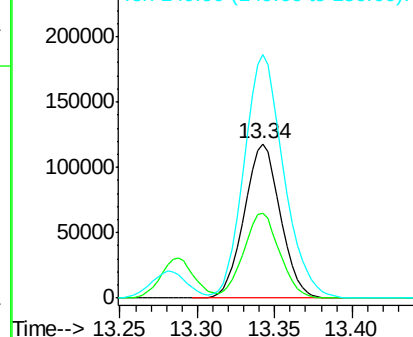


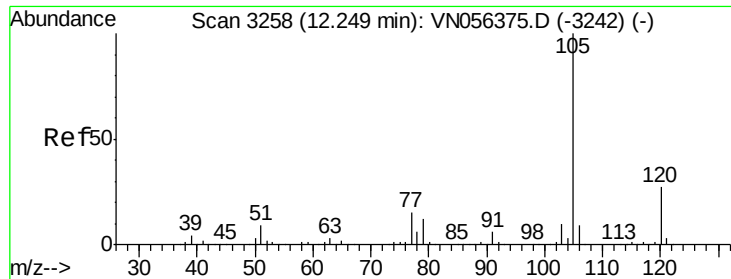
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.1	84.4
150	172.9	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: 55.122 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 790483

Ion Ratio Lower Upper

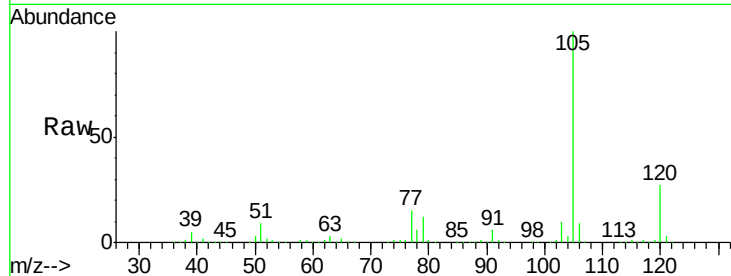
105 100

120 26.8 13.4 40.2

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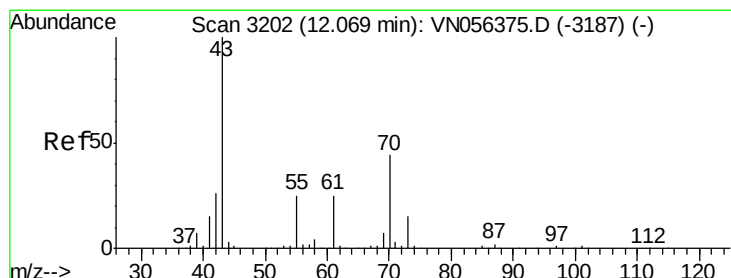
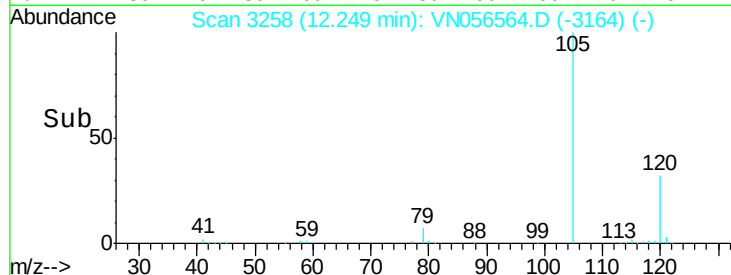
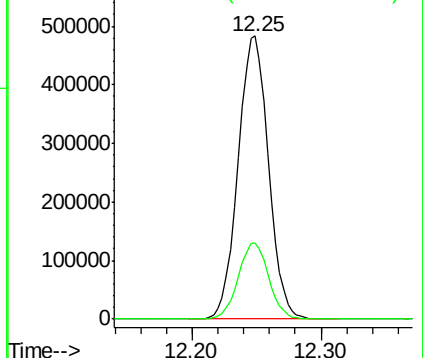
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.364 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion: 43 Resp: 295361

Ion Ratio Lower Upper

43 100

70 43.2 34.9 52.3

55 26.0 20.4 30.6

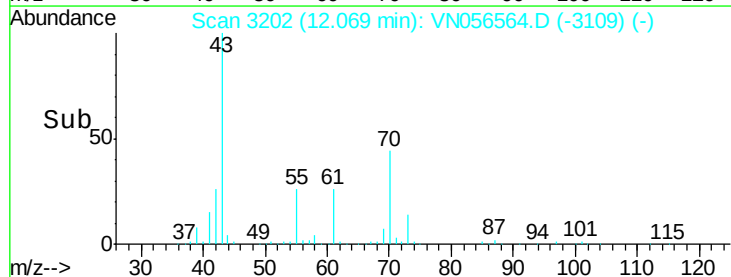
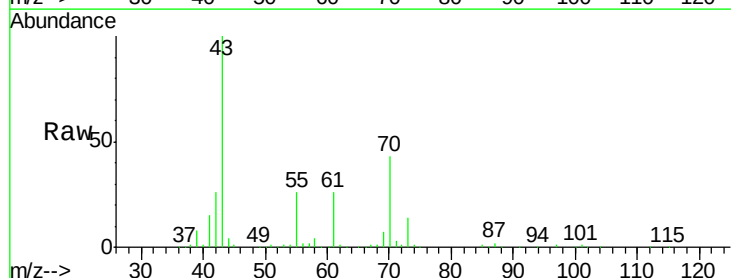
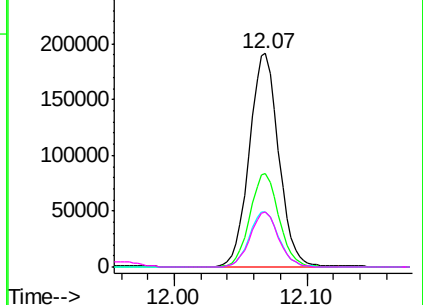
61 25.0 19.8 29.8

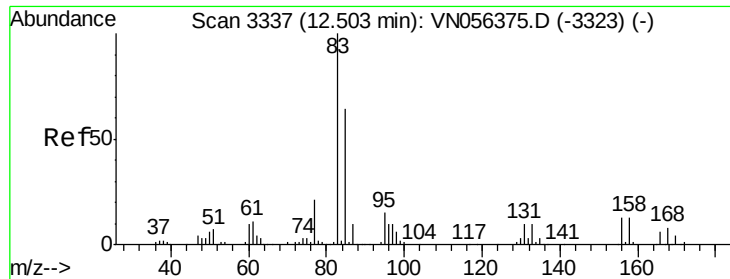
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.338 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

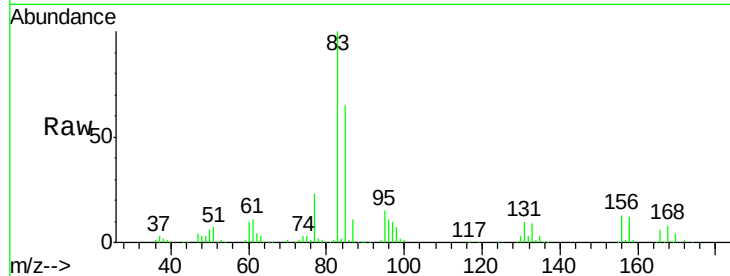
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	249637
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.9	32.4	97.0

Manual Integrations
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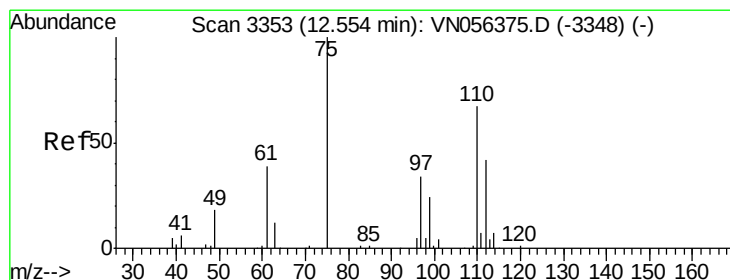
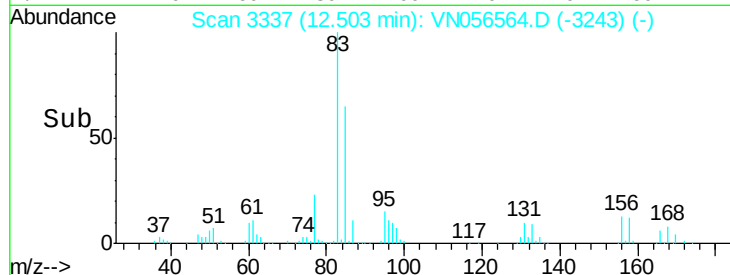
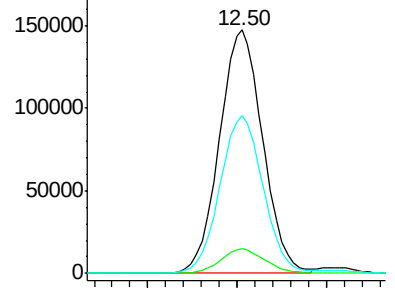
MMDadoda
7/3/2019 9:16:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056564.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN056564.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN056564.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 54.468 ug/l m

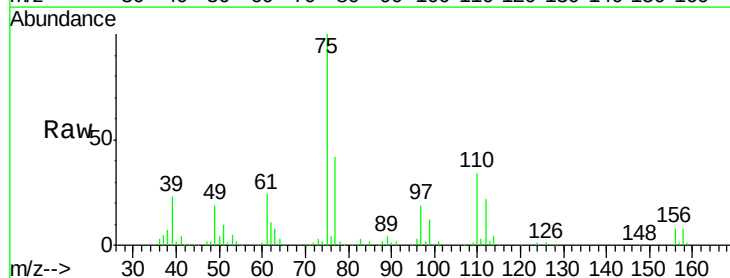
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056564.D

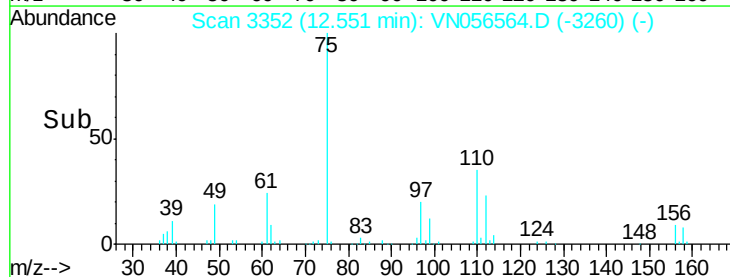
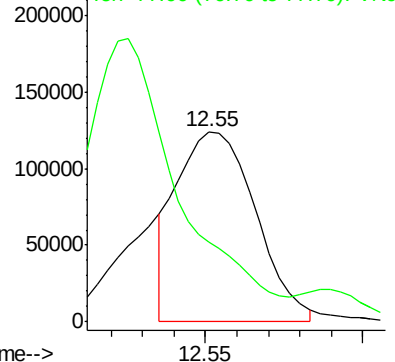
Acq: 1 Jul 2019 11:55

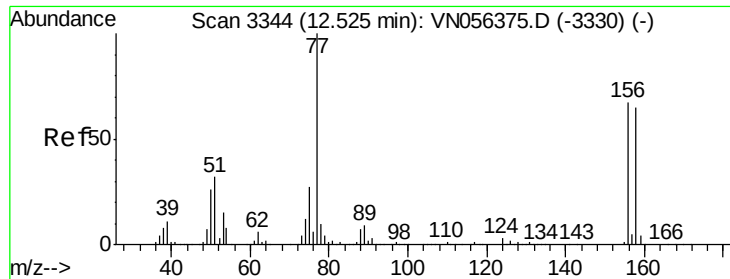
Tgt Ion:	75	Resp:	216717
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056564.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN056564.D (-3353) (-)





#77

Bromobenzene

Concen: 47.597 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

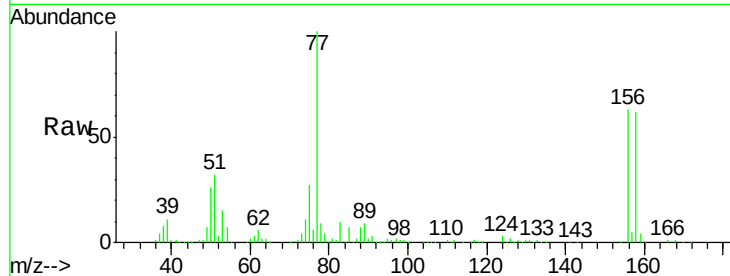
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
204220	156	100			
277.3	77	191.4	92.5		
146.1	158	97.4	48.7		

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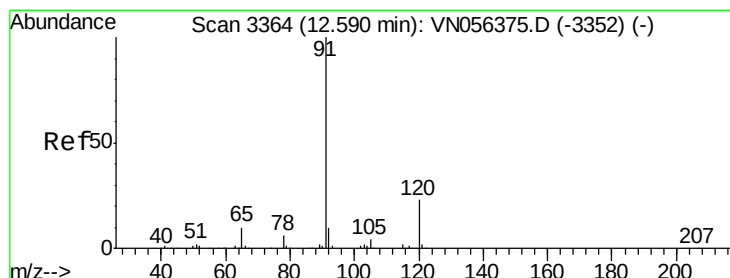
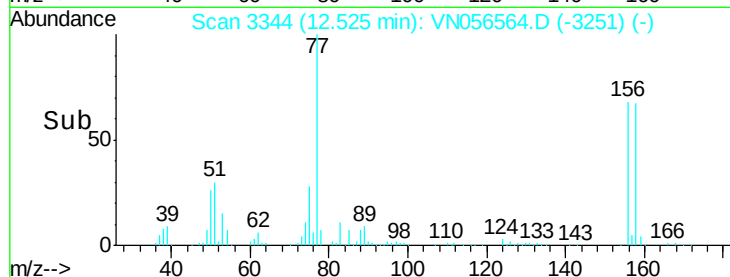
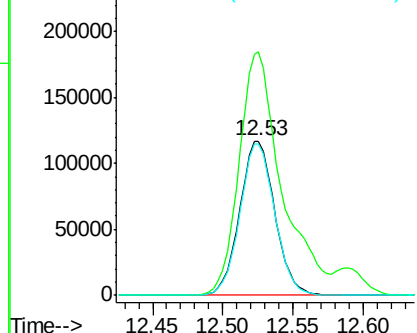


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.815 ug/l

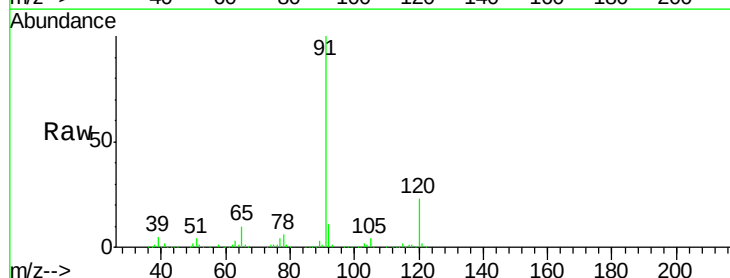
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

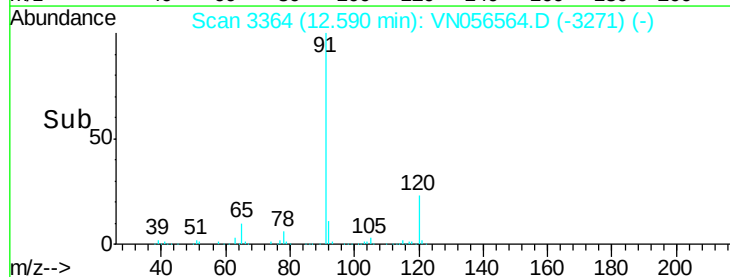
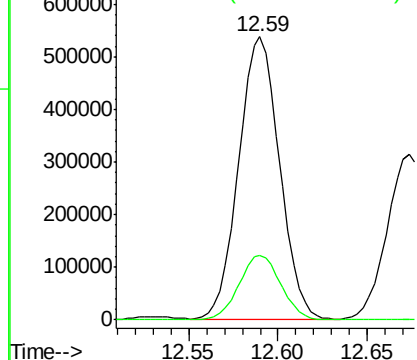
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
857790	91	100			
35.4	120	23.4	11.8		

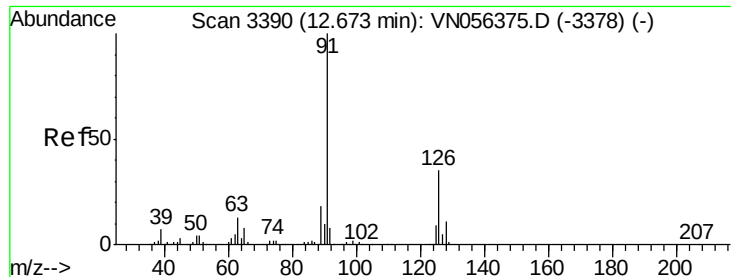


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.630 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 524135

Ion Ratio Lower Upper

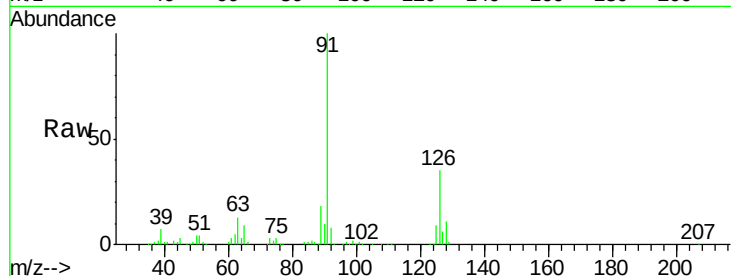
91 100

126 35.7 17.6 52.8

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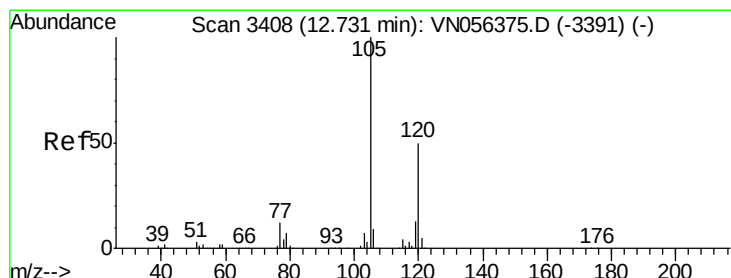
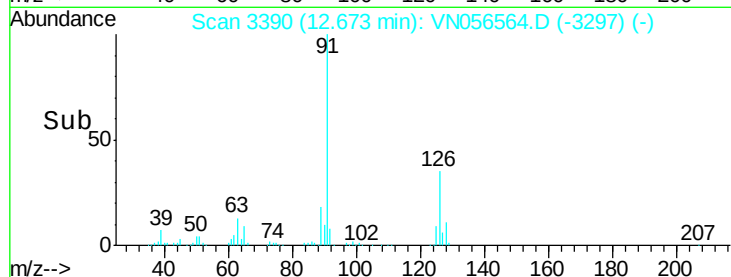
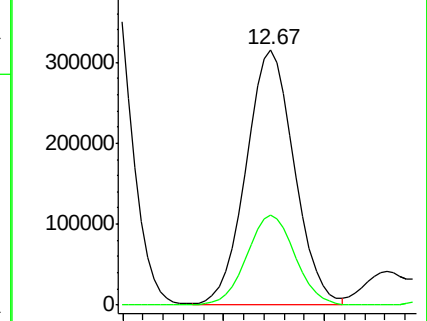
MMDadoda

7/3/2019 9:16:07 AM



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

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.166 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056564.D

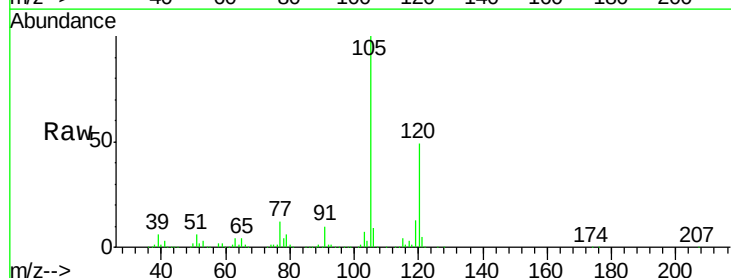
Acq: 1 Jul 2019 11:55

Tgt Ion: 105 Resp: 651847

Ion Ratio Lower Upper

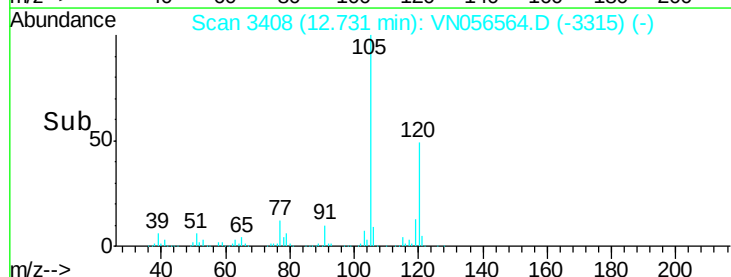
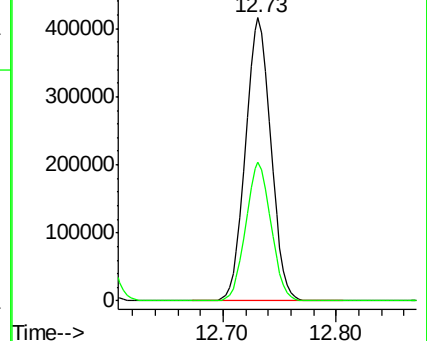
105 100

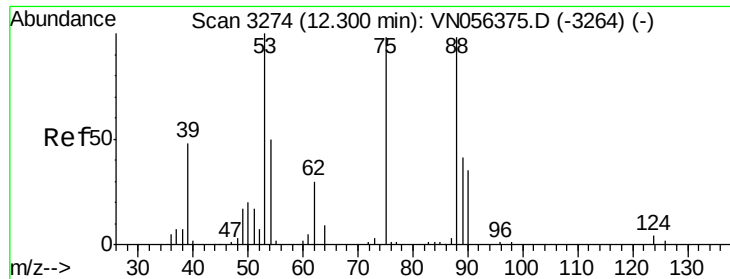
120 48.7 24.8 74.4



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

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)





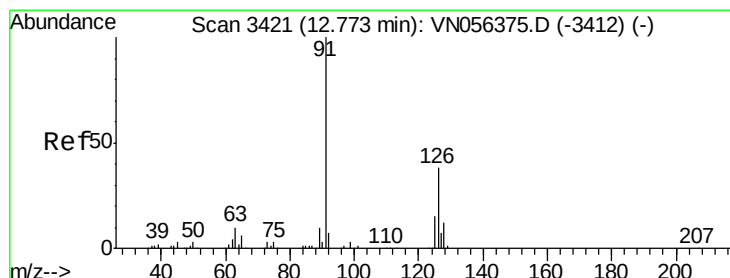
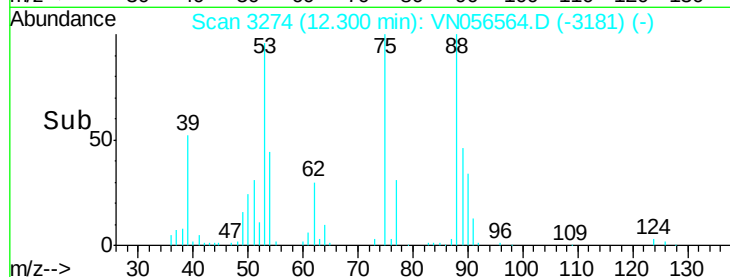
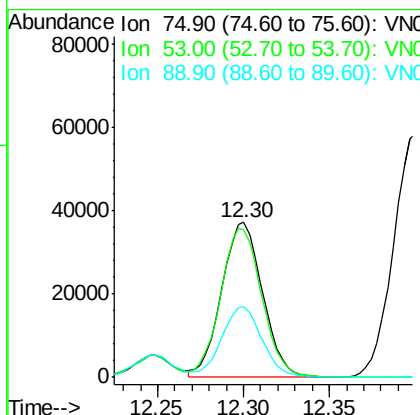
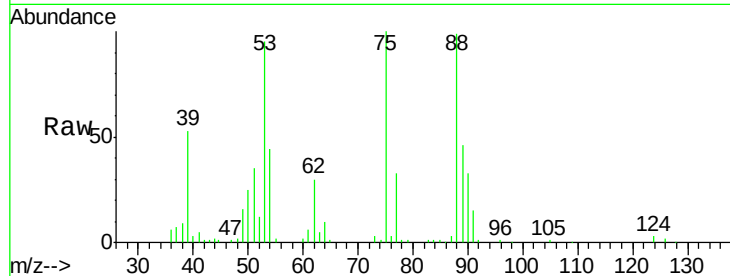
#81
trans-1,4-Dichloro-2-butene
Concen: 55.237 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	83.9	125.9
89	44.7	35.0	52.6

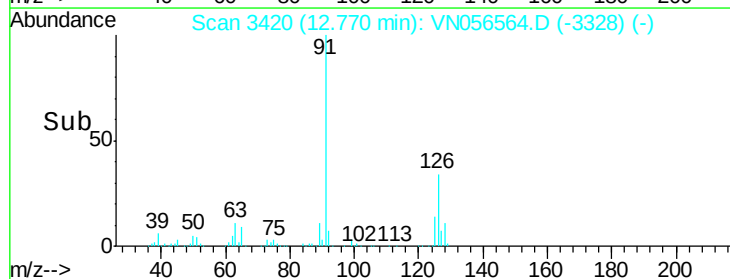
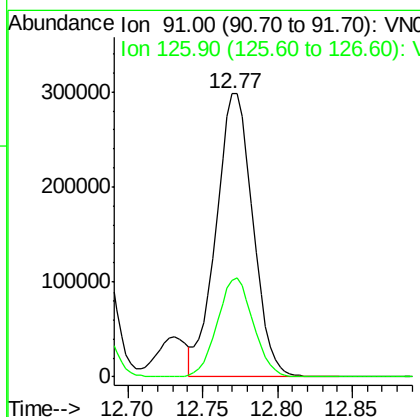
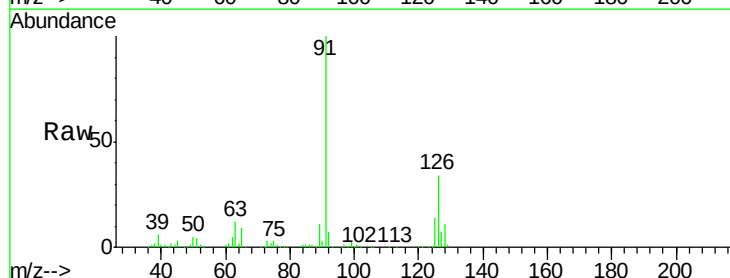
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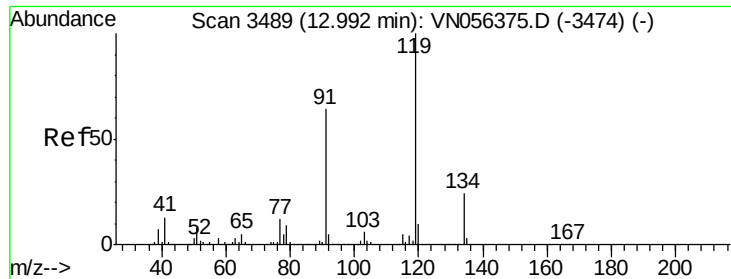
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.091 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056564.D
Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	52.0





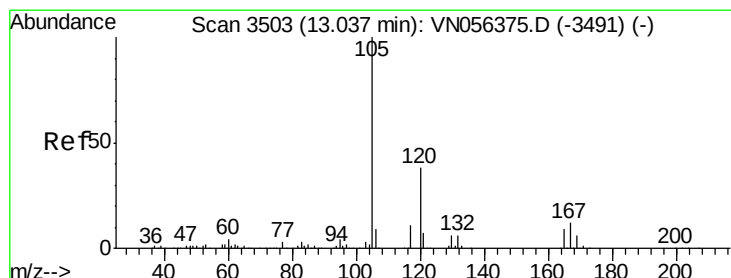
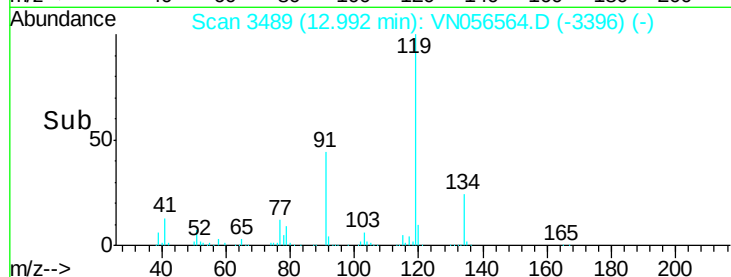
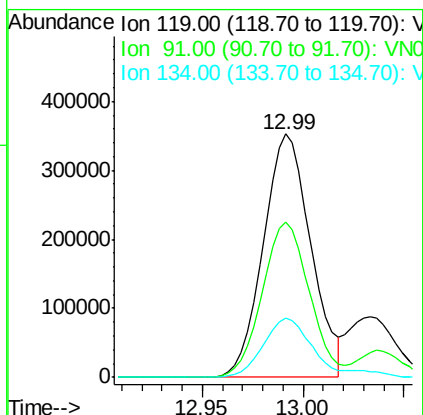
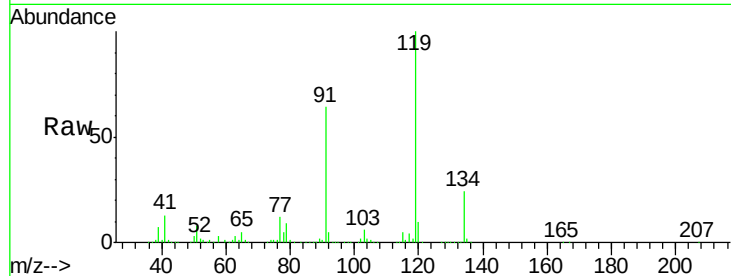
#83
 tert-Butylbenzene
 Concen: 55.243 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	578273		
91	63.1		31.6	94.7
134	26.4		13.2	39.5

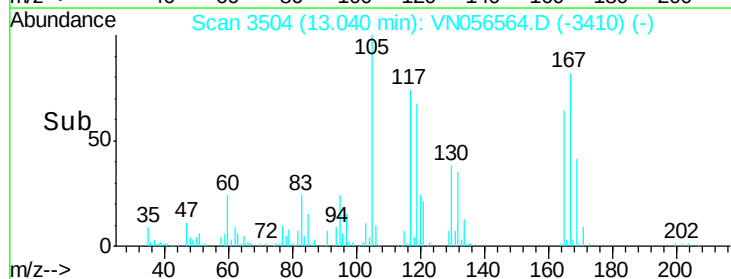
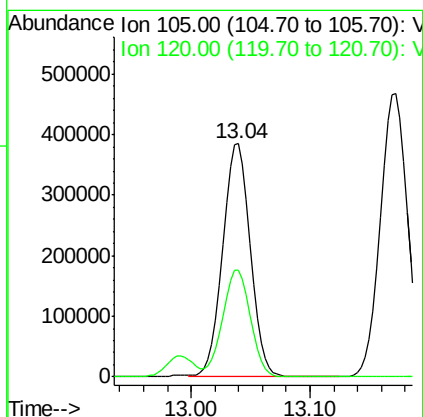
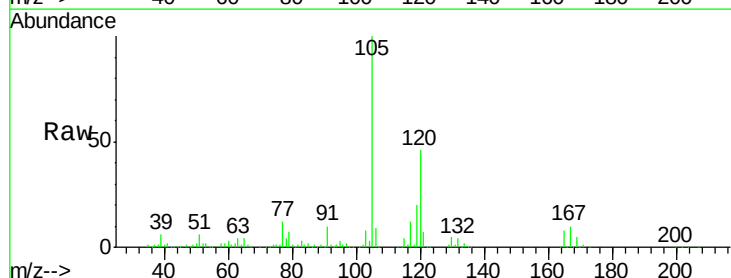
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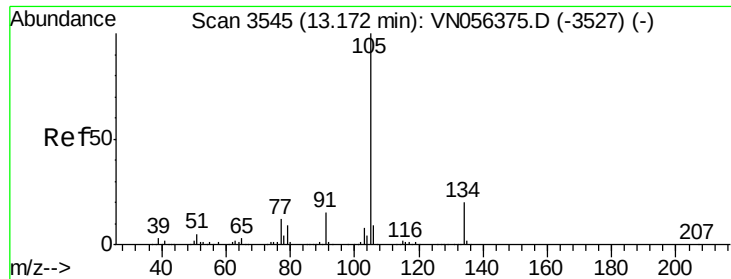
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.926 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	619103		
120	46.0		22.9	68.8





#85

sec-Butylbenzene

Concen: 48.652 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 751431

Ion Ratio Lower Upper

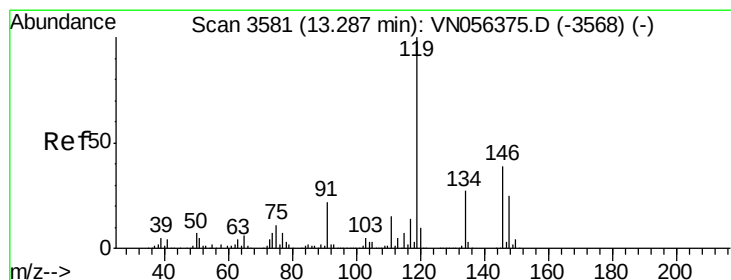
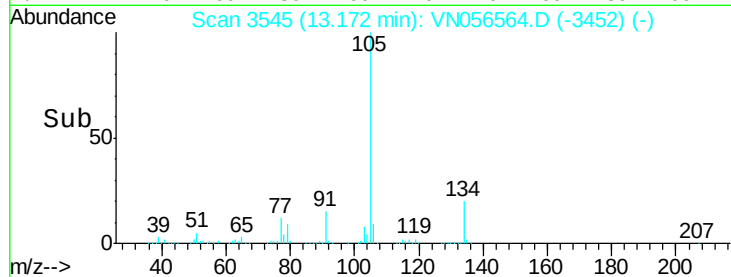
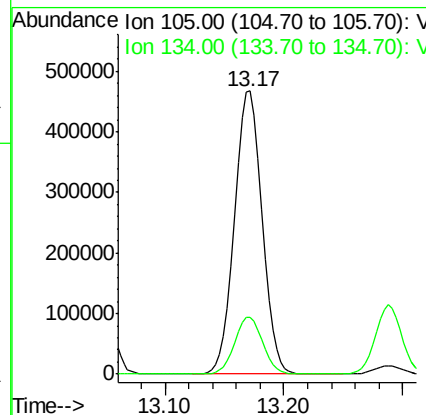
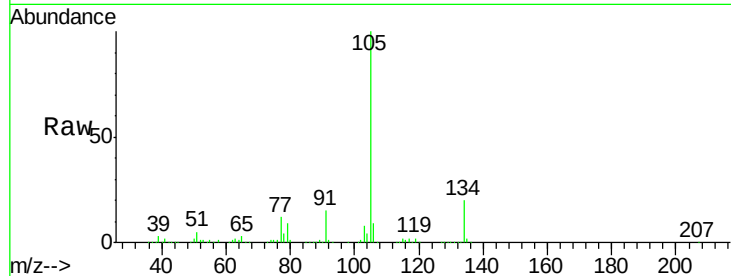
105 100

134 20.3 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 48.979 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

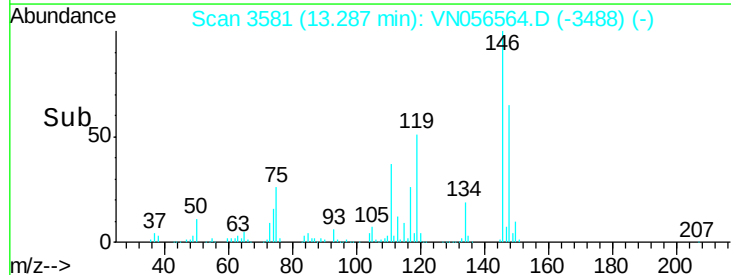
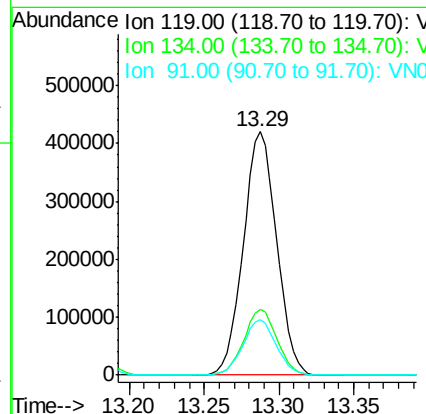
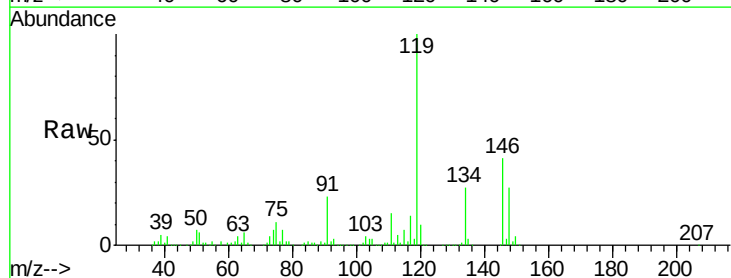
Tgt Ion:119 Resp: 649212

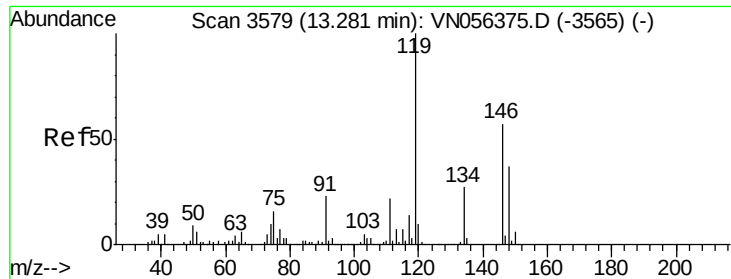
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.6 11.2 33.5





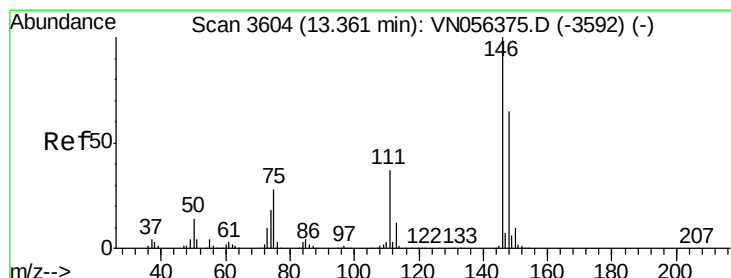
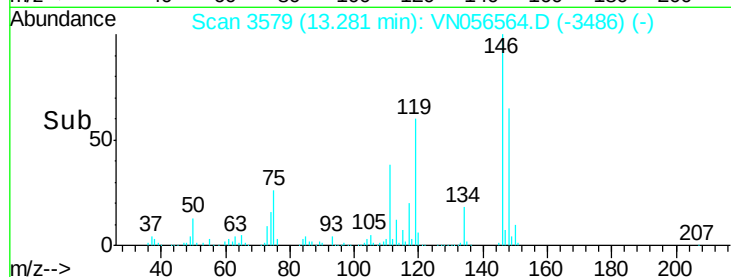
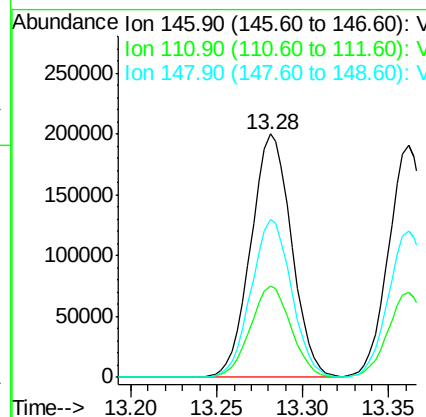
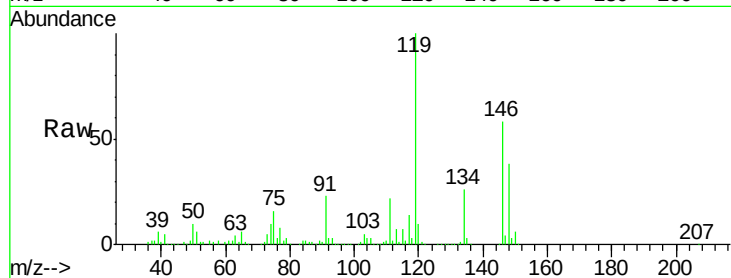
#87
 1,3-Dichlorobenzene
 Concen: 50.643 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.5	18.9	56.9	
148	64.3	32.1	96.5	

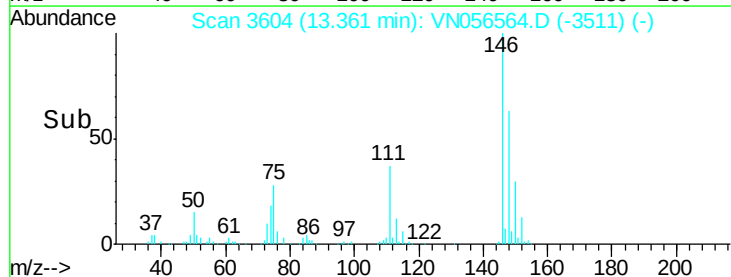
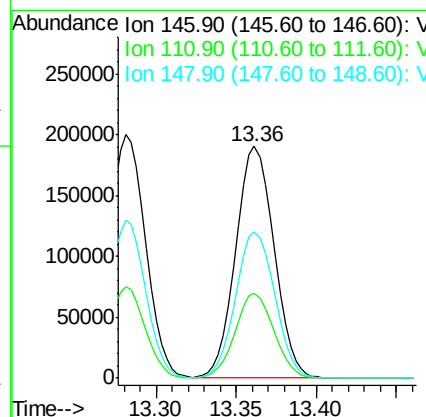
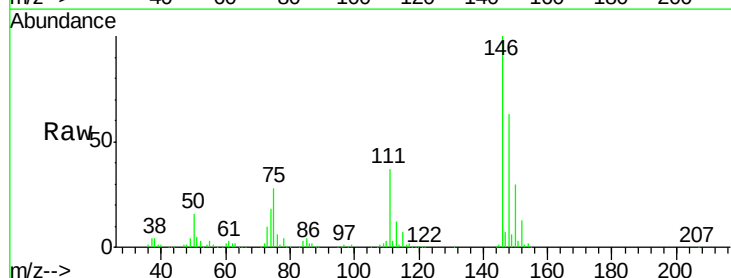
Manual Integrations
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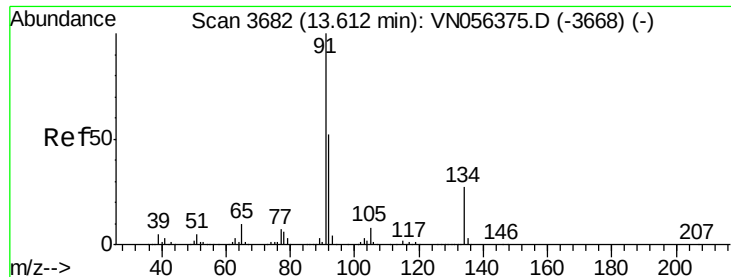
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#88
 1,4-Dichlorobenzene
 Concen: 49.405 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.9	18.4	55.4	
148	64.6	32.4	97.0	





#89

n-Butylbenzene

Concen: 47.090 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

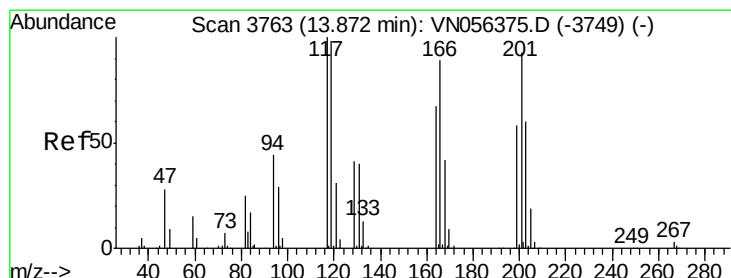
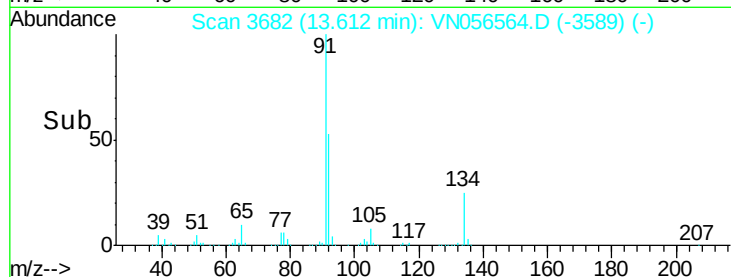
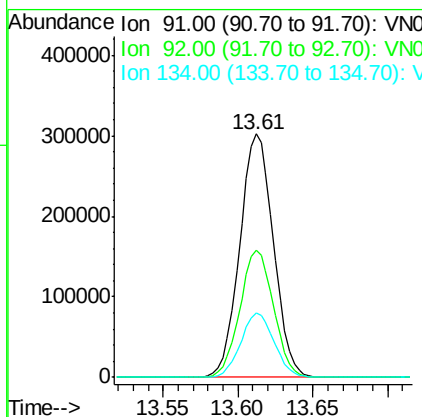
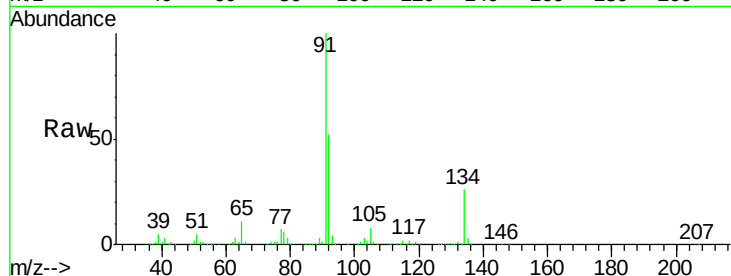
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	472516
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	26.2	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 53.073 ug/l

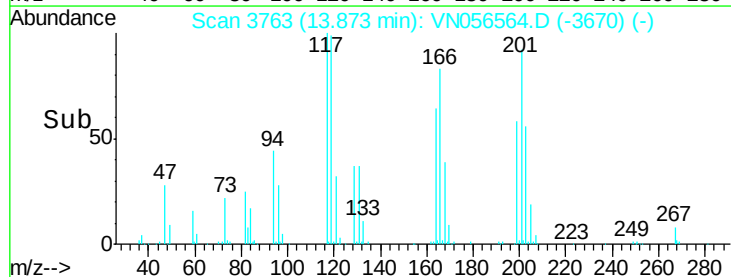
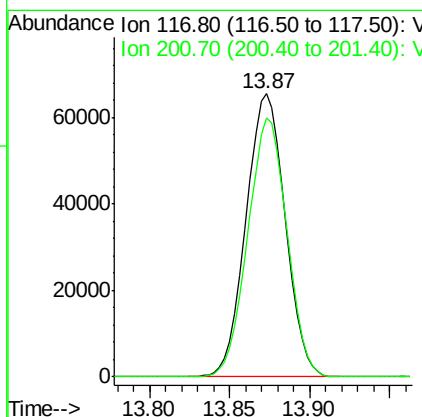
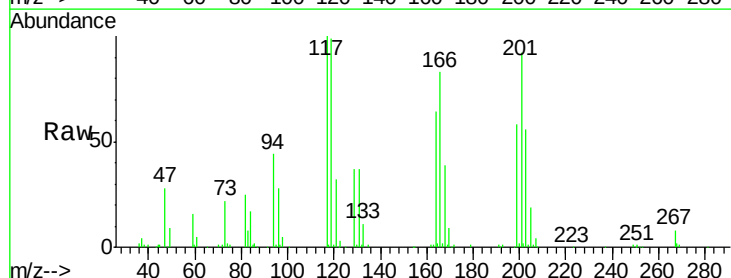
RT: 13.87 min Scan# 3763

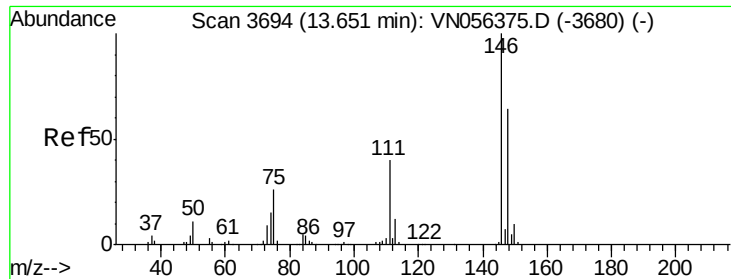
Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion:	117	Resp:	109675
Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.9	137.6





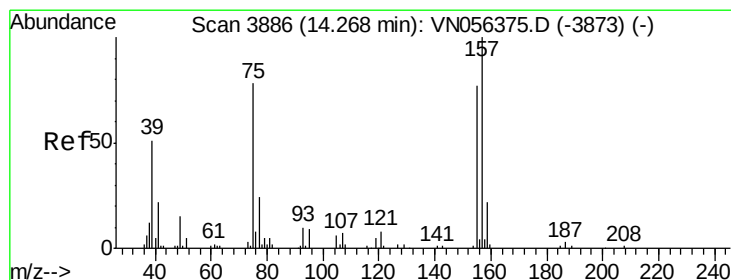
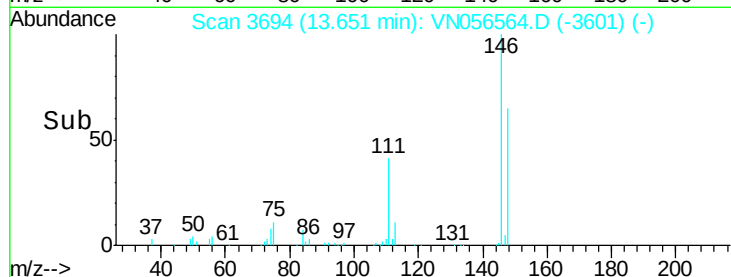
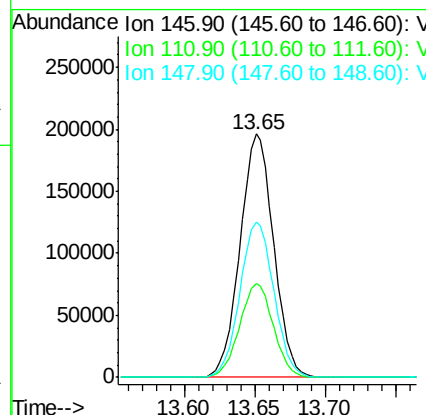
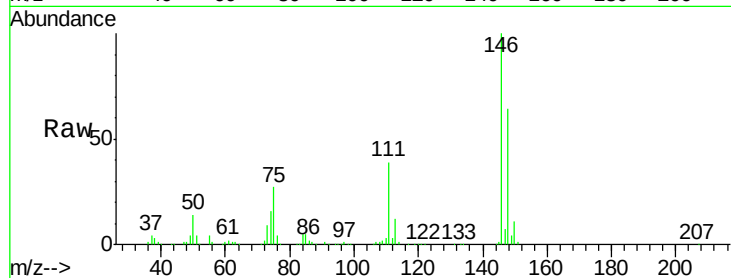
#91
 1,2-Dichlorobenzene
 Concen: 50.736 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.6	32.0	96.0

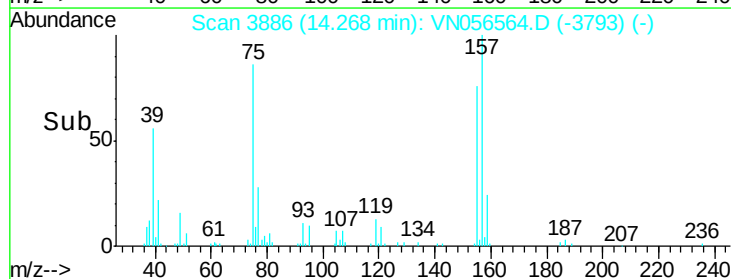
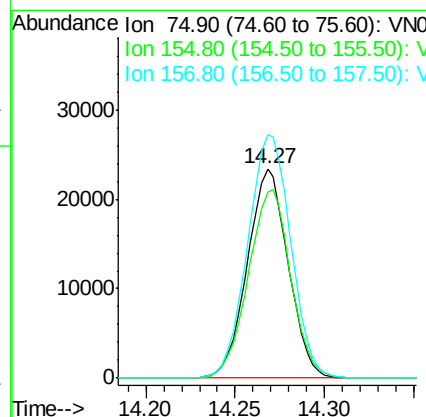
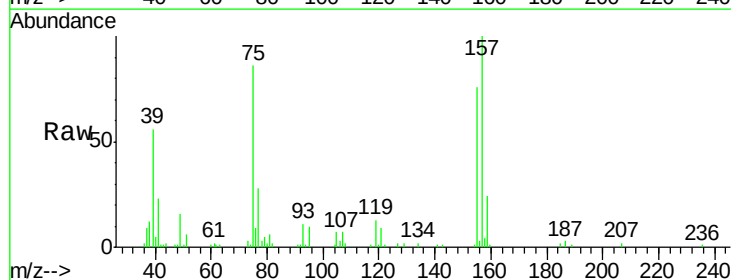
Manual Integrations
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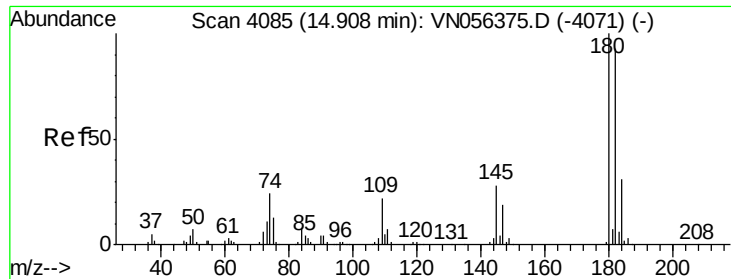
MMDadoda
 7/3/2019 9:16:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.899 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	48.9	146.8
157	122.6	62.9	188.8





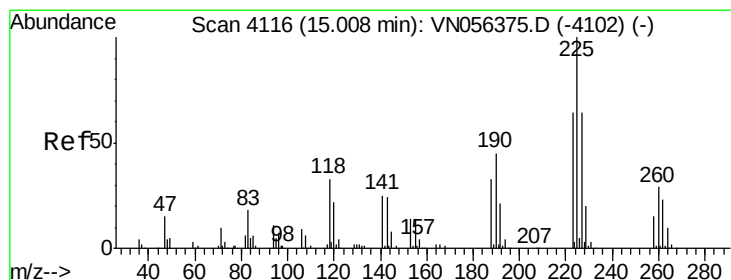
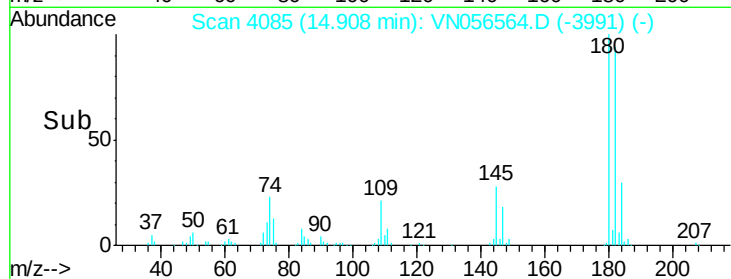
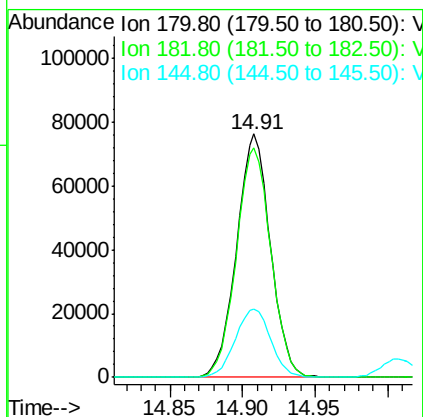
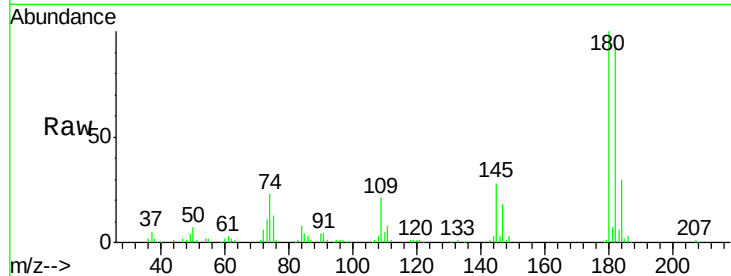
#93
 1,2,4-Trichlorobenzene
 Concen: 38.218 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.6
145	29.4	14.4	43.0

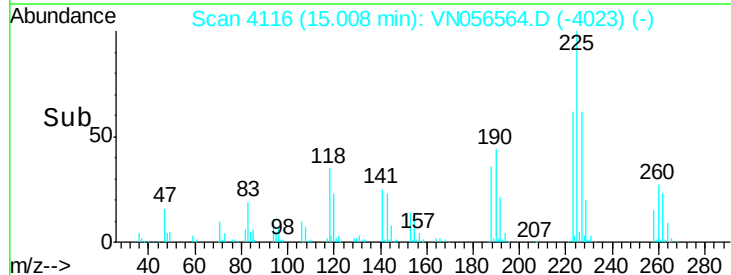
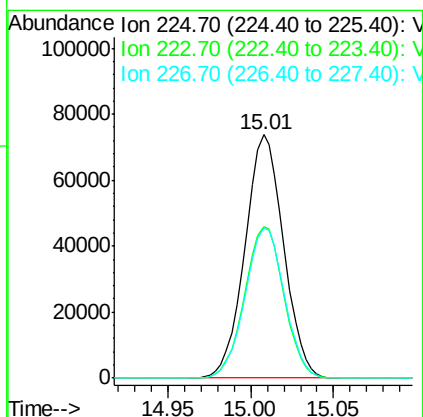
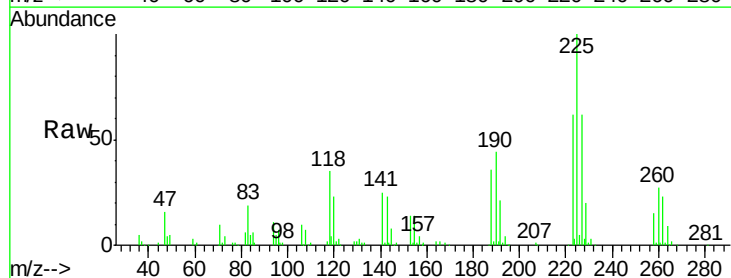
Manual Integrations
 APPROVED

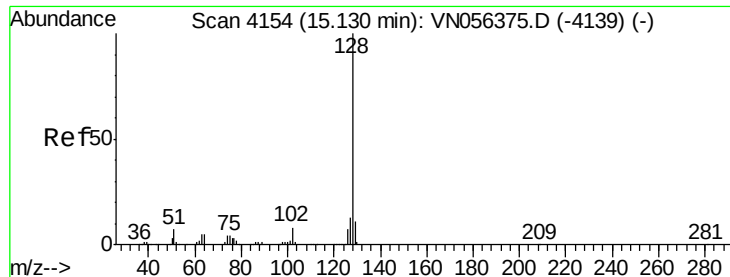
MMDadoda
 7/3/2019 9:16:07 AM



#94
 Hexachlorobutadiene
 Concen: 54.646 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056564.D
 Acq: 1 Jul 2019 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.3
227	63.0	32.1	96.3





#95

Naphthalene

Concen: 38.871 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Instrument :

MSVOA_N

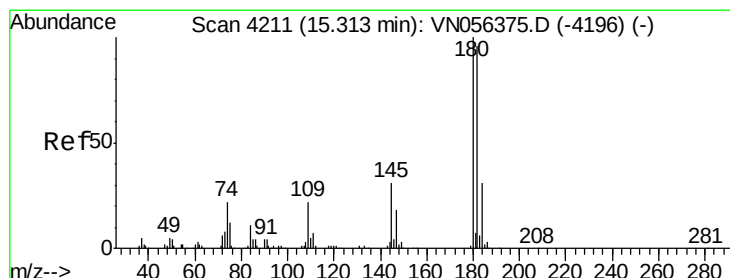
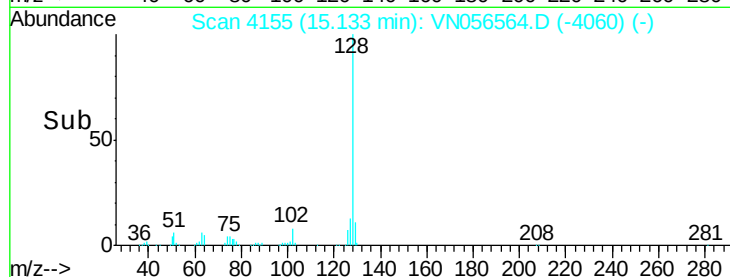
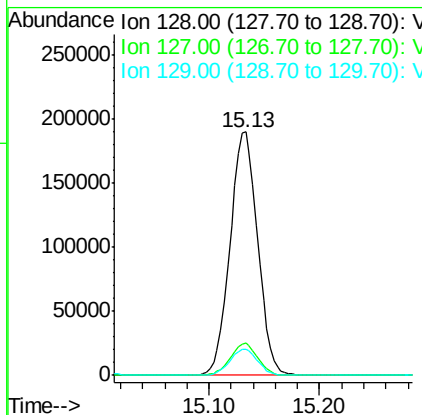
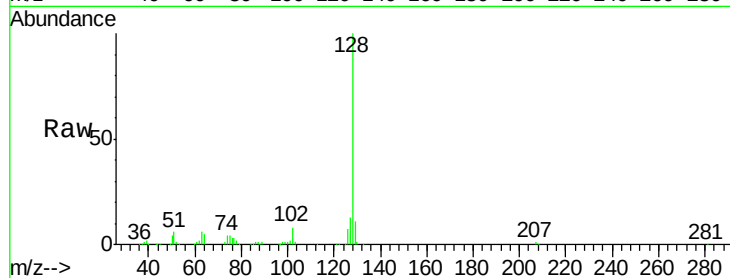
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	329845
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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7/3/2019 9:16:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 40.547 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056564.D

Acq: 1 Jul 2019 11:55

Tgt Ion:	180	Resp:	137905
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.3	144.8
145	30.5	15.4	46.1

