

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056605.D
 Acq On : 8 Jul 2019 12:54
 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
 7/9/2019 9:46:37 AM

Quant Time: Jul 09 03:53:50 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	312643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	461694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	416689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196606	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	174827	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	154777	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.48%	
50) Toluene-d8	10.09	98	577790	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.40	95	204666	54.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	123583	46.683	ug/l	100
3) Chloromethane	2.06	50	154532	42.871	ug/l	98
4) Vinyl Chloride	2.18	62	159740	45.883	ug/l	99
5) Bromomethane	2.53	94	83372m	40.849	ug/l	
6) Chloroethane	2.68	64	90481	44.878	ug/l	100
7) Trichlorofluoromethane	3.00	101	220666	48.999	ug/l	98
8) Diethyl Ether	3.41	74	92687	48.630	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	145202	50.559	ug/l	98
10) Methyl Iodide	3.95	142	156335	40.276	ug/l	99
11) Tert butyl alcohol	4.79	59	136961	234.682	ug/l	98
12) 1,1-Dichloroethene	3.73	96	130793	47.357	ug/l	100
13) Acrolein	3.60	56	50745	103.167	ug/l	100
14) Allyl chloride	4.32	41	235780	51.285	ug/l	99
15) Acrylonitrile	4.98	53	413146	255.891	ug/l	99
16) Acetone	3.82	43	390949	225.196	ug/l	99
17) Carbon Disulfide	4.05	76	270507	43.062	ug/l	98
18) Methyl Acetate	4.32	43	175661	51.692	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	462143	50.569	ug/l	98
20) Methylene Chloride	4.54	84	157237	48.010	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	139579	46.875	ug/l	97
22) Diisopropyl ether	5.95	45	509089	52.726	ug/l	94
23) Vinyl Acetate	5.89	43	2064532	271.099	ug/l	100
24) 1,1-Dichloroethane	5.84	63	276880	49.956	ug/l	99
25) 2-Butanone	6.83	43	582038	253.318	ug/l	99
26) 2,2-Dichloropropane	6.82	77	211792	54.942	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	172685	49.569	ug/l	97
28) Bromochloromethane	7.19	49	136796	49.899	ug/l	99
29) Tetrahydrofuran	7.21	42	361824	257.689	ug/l	99
30) Chloroform	7.37	83	283060	51.757	ug/l	98
31) Cyclohexane	7.65	56	241264	45.090	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	225777	52.082	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200398	49.314	ug/l	100
37) Ethyl Acetate	6.93	43	216262	54.152	ug/l	98
38) Carbon Tetrachloride	7.77	117	191280	53.826	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	242107	48.283	ug/l	98
40) Benzene	8.04	78	630329	50.426	ug/l	100
41) Methacrylonitrile	7.17	41	94364	53.510	ug/l	96
42) 1,2-Dichloroethane	8.12	62	210606	51.053	ug/l	100
43) Isopropyl Acetate	8.16	43	346188	56.217	ug/l	100
44) Trichloroethene	8.83	130	164197	48.763	ug/l	97
45) 1,2-Dichloropropane	9.12	63	174733	52.269	ug/l	100
46) Dibromomethane	9.21	93	107374	51.339	ug/l	99
47) Bromodichloromethane	9.40	83	210917	56.860	ug/l	99
48) Methyl methacrylate	9.20	41	171880	55.698	ug/l	95
49) 1,4-Dioxane	9.20	88	67285	1050.681	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1102061	277.275	ug/l	100
52) Toluene	10.15	92	389229	50.931	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	225444	52.055	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	257794	57.711	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164286	53.481	ug/l	98
56) Ethyl methacrylate	10.43	69	249613	55.602	ug/l	98
57) 1,3-Dichloropropane	10.71	76	274136	53.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	676497	419.458	ug/l	99
59) 2-Hexanone	10.75	43	823047	281.749	ug/l	100
60) Dibromochloromethane	10.90	129	169383	53.472	ug/l	98
61) 1,2-Dibromoethane	11.00	107	166839	53.177	ug/l	100
64) Tetrachloroethene	10.63	164	154172	46.721	ug/l	99
65) Chlorobenzene	11.43	112	421140	50.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157959	55.820	ug/l	99
67) Ethyl Benzene	11.51	91	747447	50.842	ug/l	99
68) m/p-Xylenes	11.62	106	567858	105.398	ug/l	99
69) o-Xylene	11.95	106	274762	51.547	ug/l	99
70) Styrene	11.96	104	472808	55.494	ug/l	99
71) Bromoform	12.12	173	123545	53.859	ug/l #	99
73) Isopropylbenzene	12.25	105	738367	50.001	ug/l	99
74) N-amyl acetate	12.07	43	291315	46.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240934	52.879	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	203650m	49.955	ug/l	
77) Bromobenzene	12.52	156	192611	43.814	ug/l	96
78) n-propylbenzene	12.59	91	844207	46.889	ug/l	99
79) 2-Chlorotoluene	12.67	91	497059	50.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	628592	50.841	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69726	60.789	ug/l	91
82) 4-Chlorotoluene	12.77	91	497556	46.804	ug/l	100
83) tert-Butylbenzene	12.99	119	536996	49.795	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	629834	47.587	ug/l	100
85) sec-Butylbenzene	13.17	105	724267	45.768	ug/l	99
86) p-Isopropyltoluene	13.29	119	664940	48.961	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	331661	49.783	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	325343	50.424	ug/l	99
89) n-Butylbenzene	13.61	91	572807	55.714	ug/l	99
90) Hexachloroethane	13.87	117	104420	49.317	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	329753	49.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	42872	58.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	189831	54.571	ug/l	98
94) Hexachlorobutadiene	15.01	225	117811	52.696	ug/l	99
95) Naphthalene	15.13	128	505304	55.523	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194502	54.128	ug/l	100

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

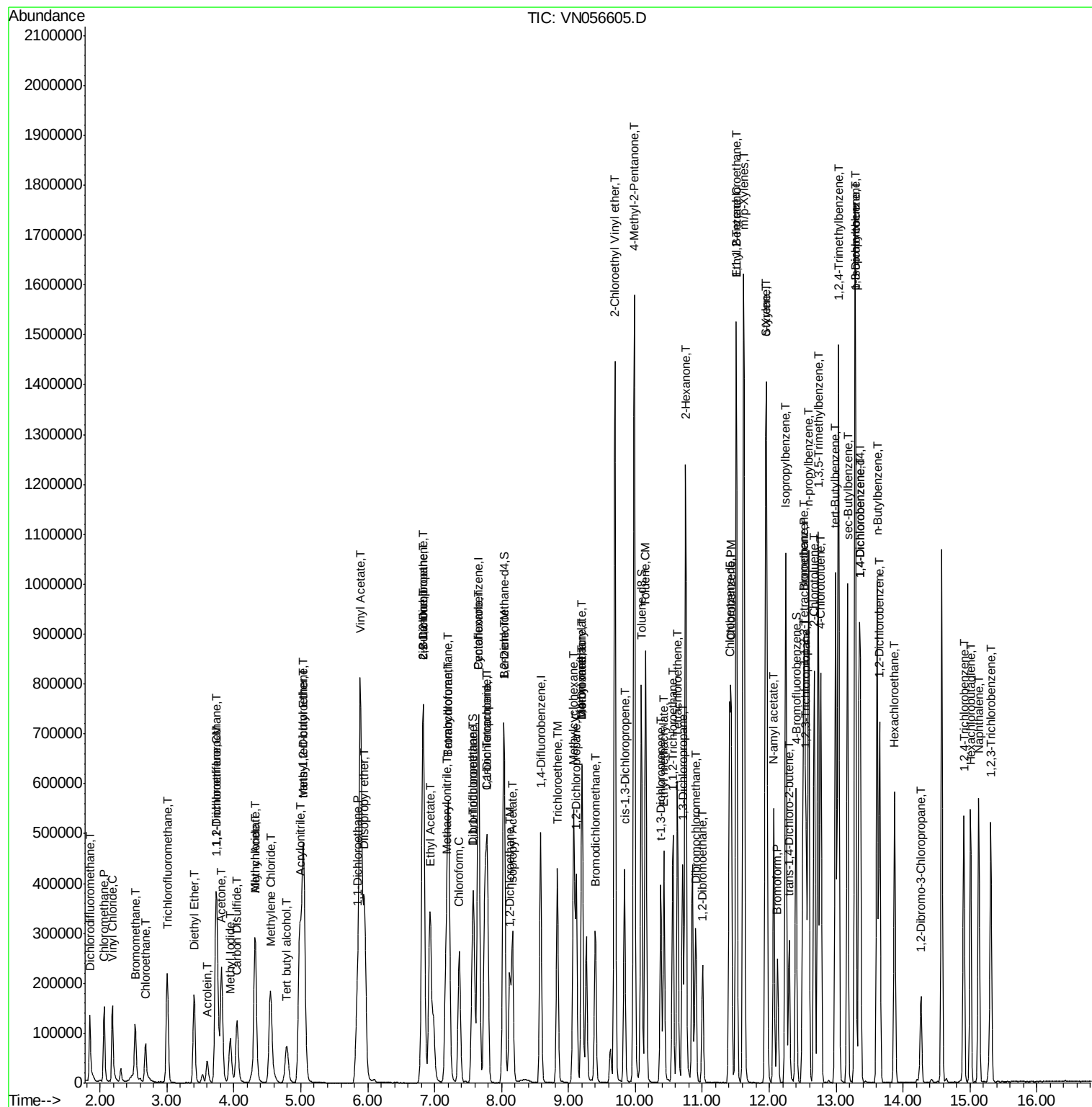
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
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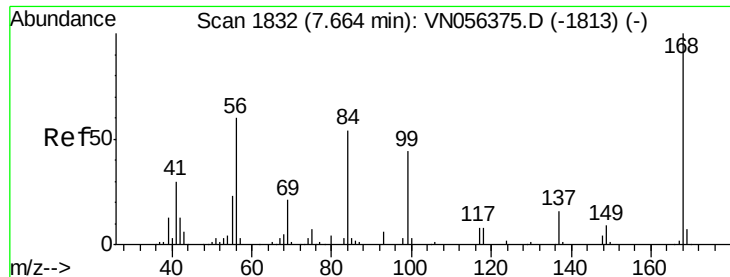
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 312643

Ion Ratio Lower Upper

168 100

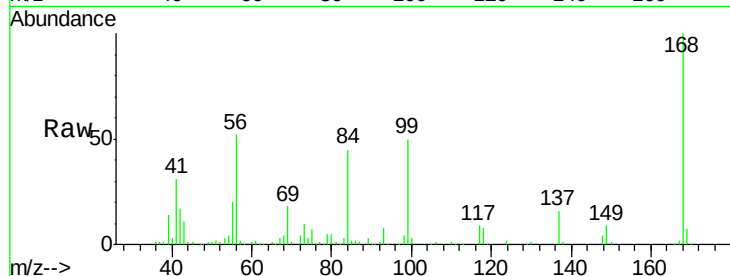
99 49.8 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

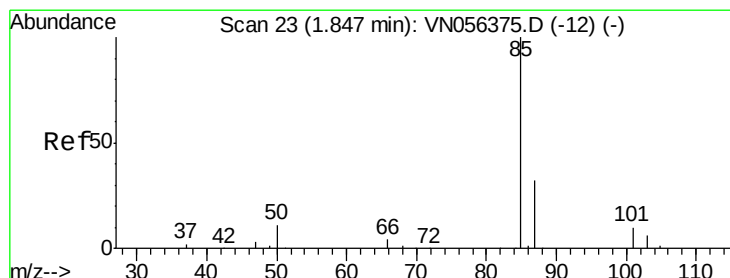
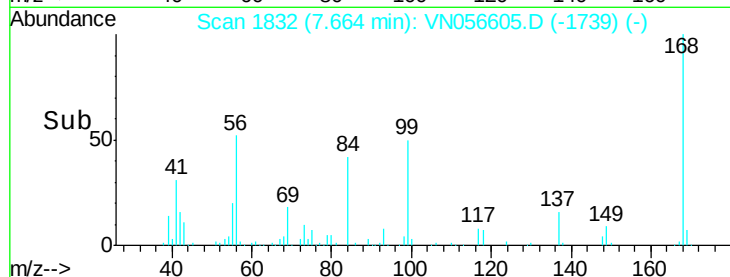
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.683 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056605.D

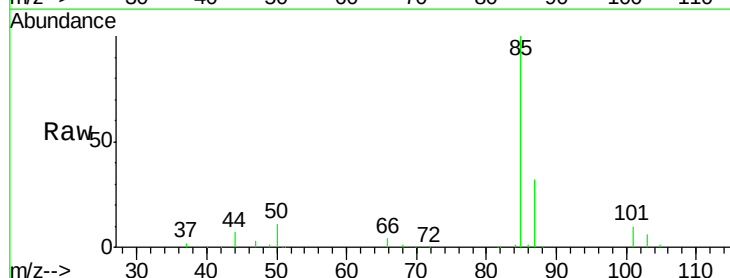
Acq: 8 Jul 2019 12:54

Tgt Ion: 85 Resp: 123583

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

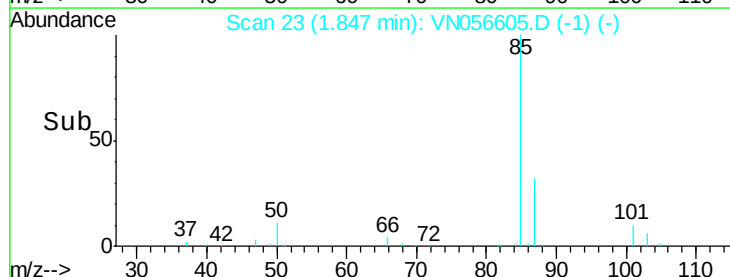
40000

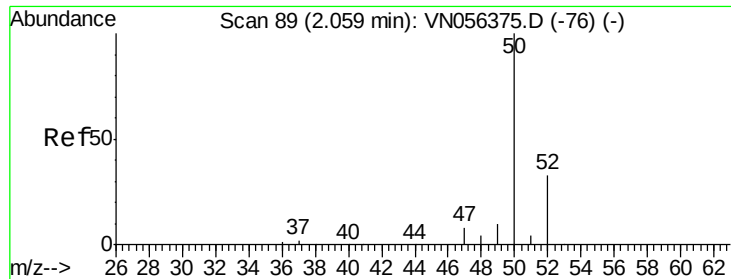
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 42.871 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 154532

Ion Ratio Lower Upper

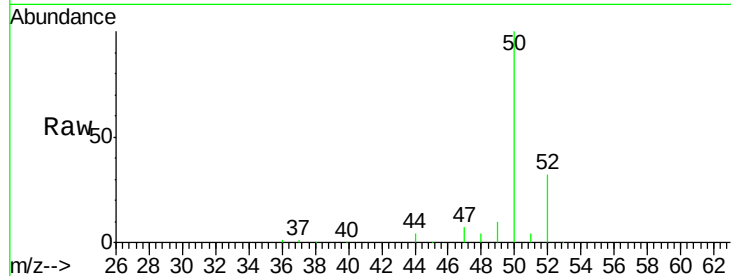
50 100

52 32.2 26.5 39.7

Manual Integrations
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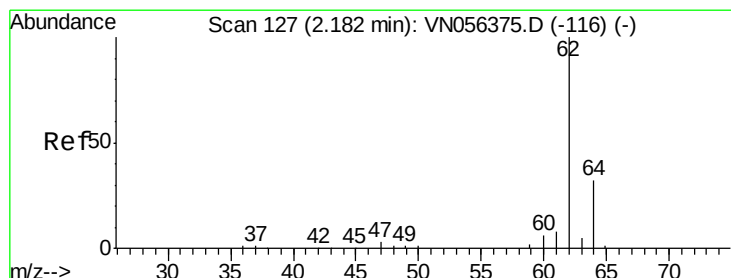
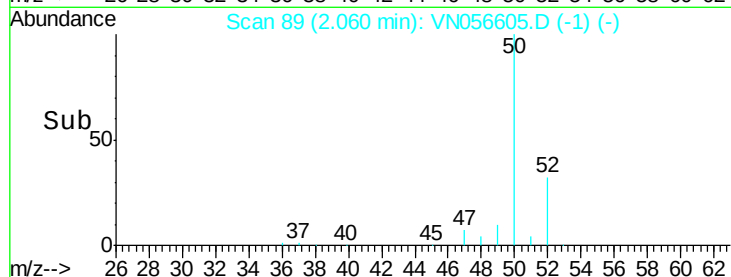
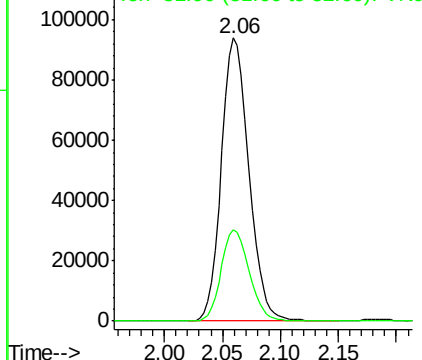
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.883 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056605.D

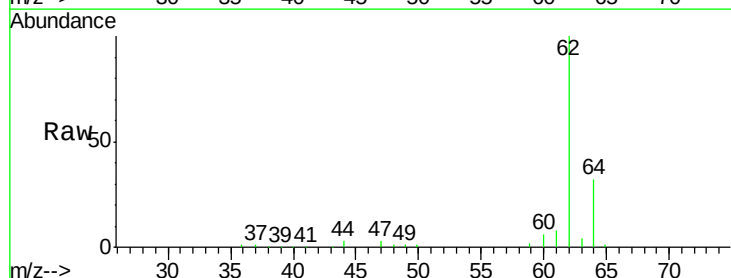
Acq: 8 Jul 2019 12:54

Tgt Ion: 62 Resp: 159740

Ion Ratio Lower Upper

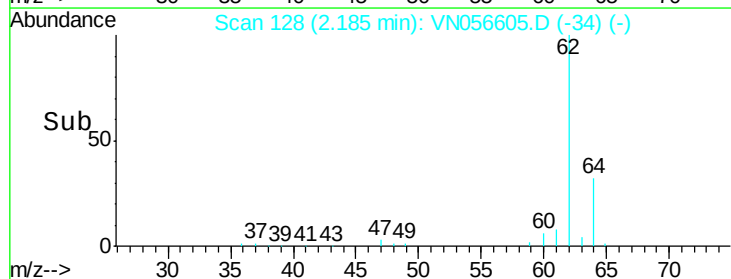
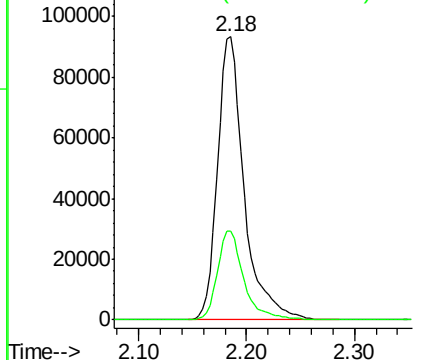
62 100

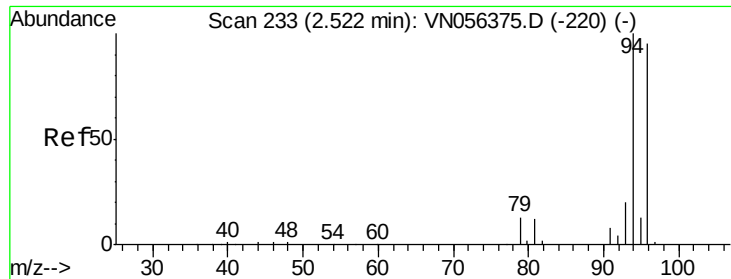
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.849 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83372

Ion Ratio Lower Upper

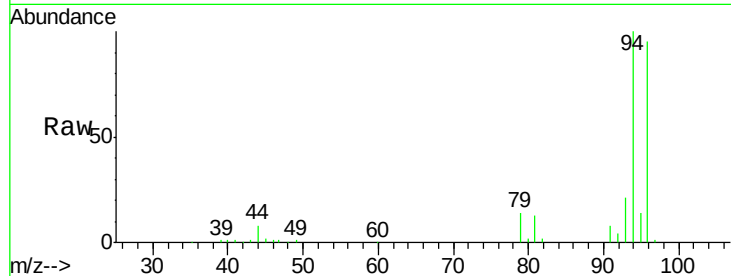
94 100

96 95.2 76.0 114.0

Manual Integrations
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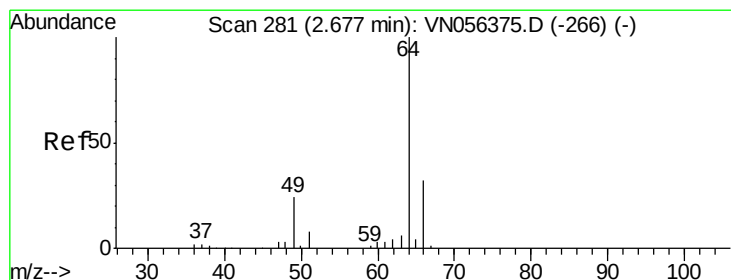
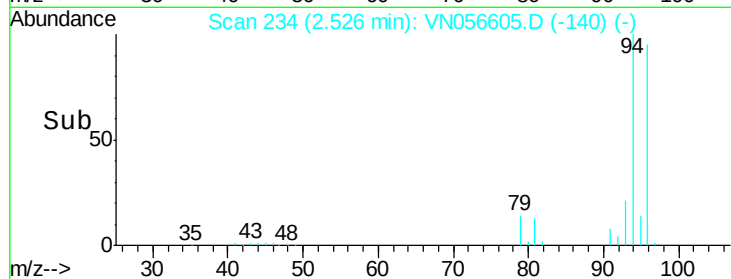
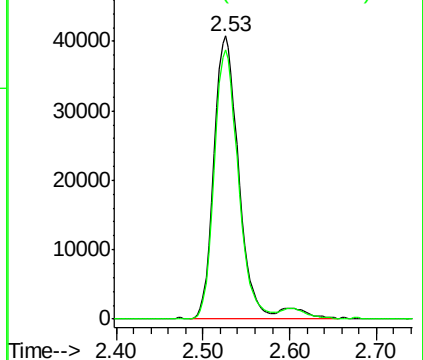
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.878 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056605.D

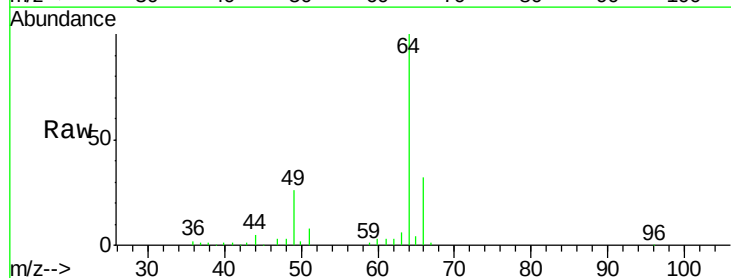
Acq: 8 Jul 2019 12:54

Tgt Ion: 64 Resp: 90481

Ion Ratio Lower Upper

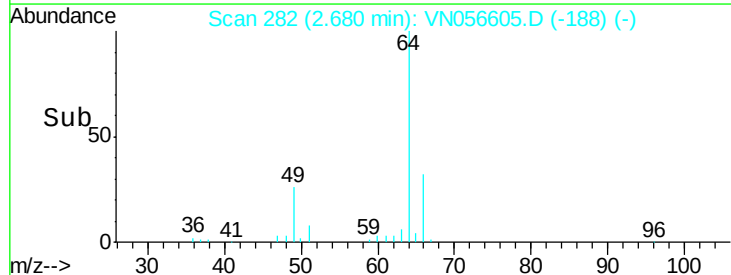
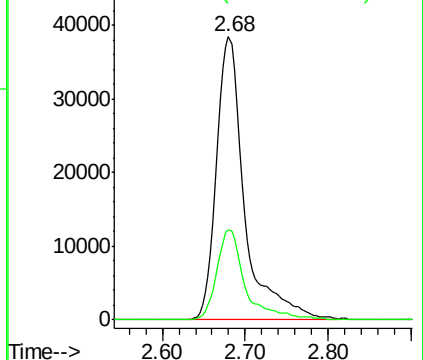
64 100

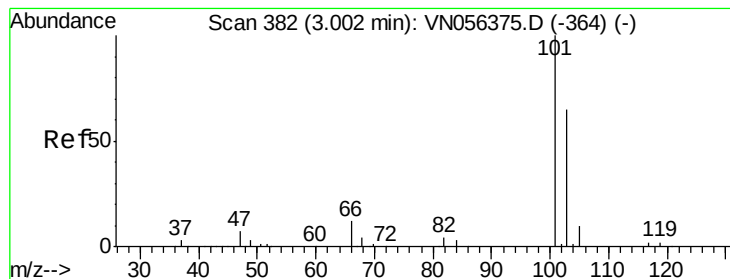
66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

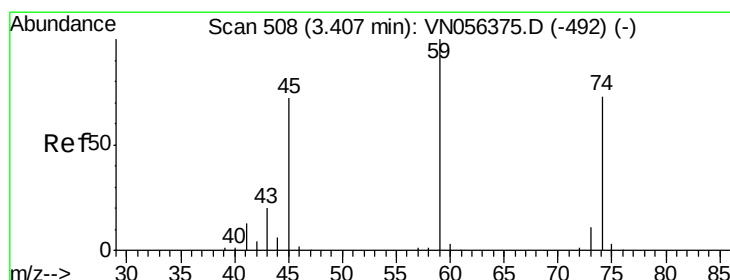
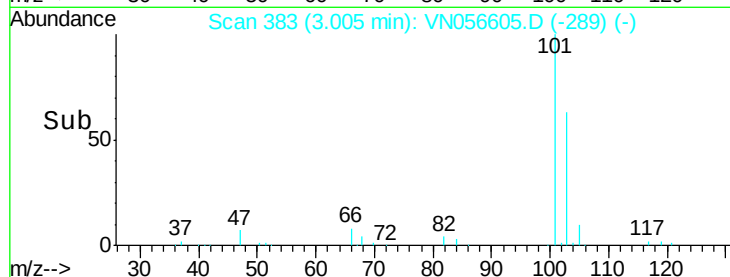
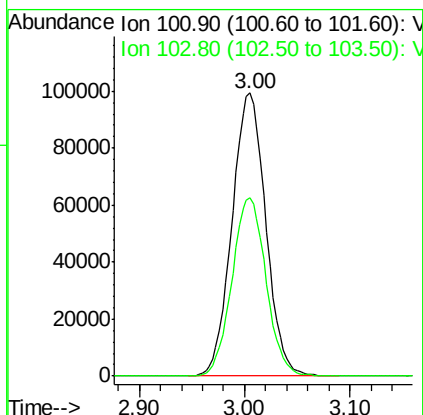
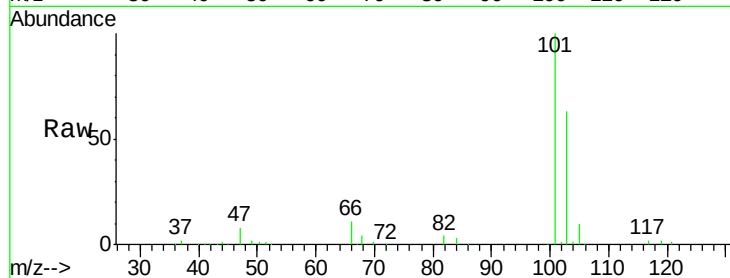
Trichlorofluoromethane
Concen: 48.999 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.7	77.5

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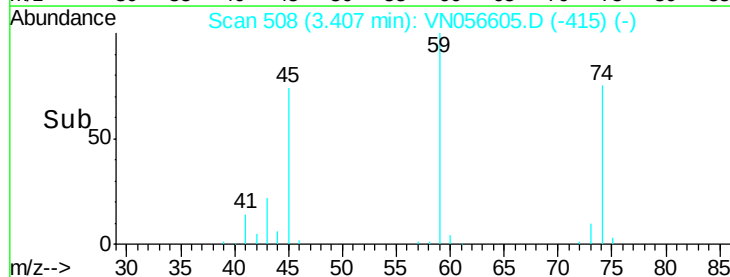
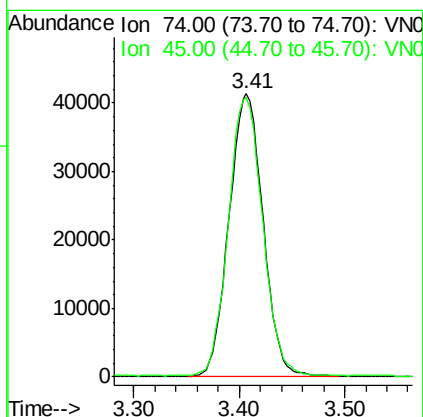
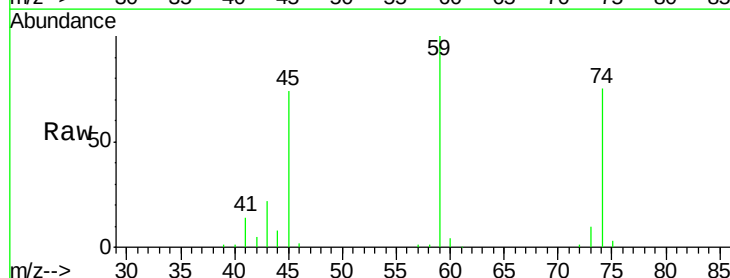
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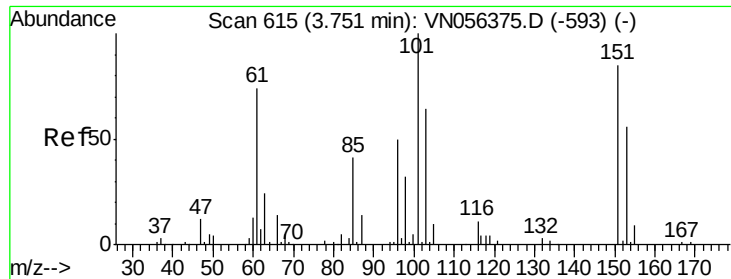


#8

Diethyl Ether
Concen: 48.630 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.559 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

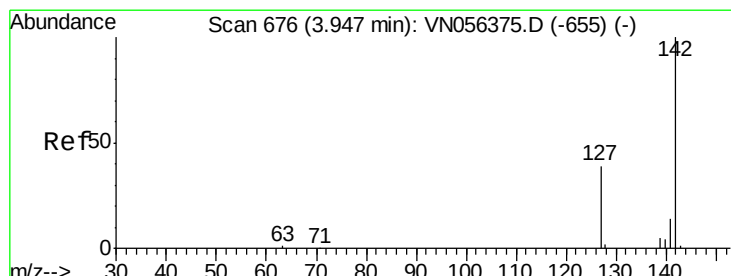
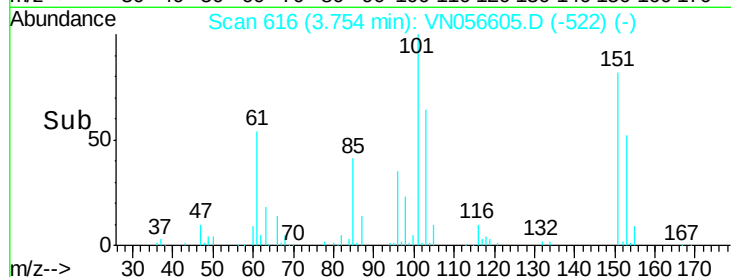
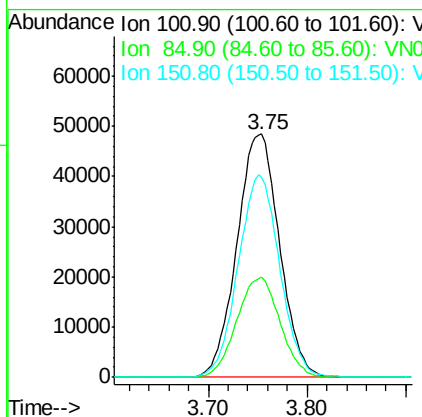
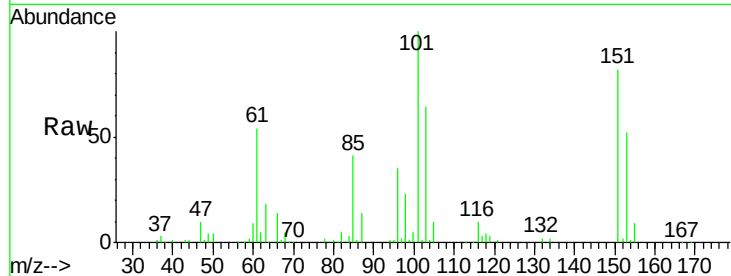
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	145202
Ion Ratio	Lower	Upper	
101	100		
85	41.7	32.7	49.1
151	81.2	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 40.276 ug/l

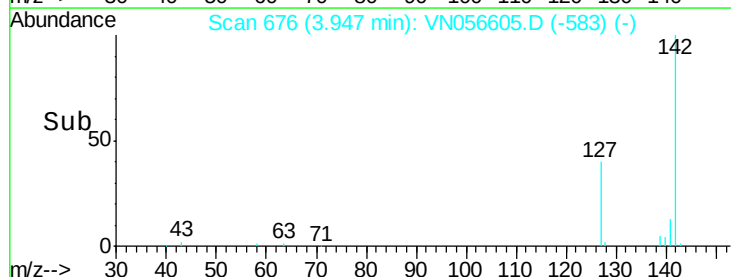
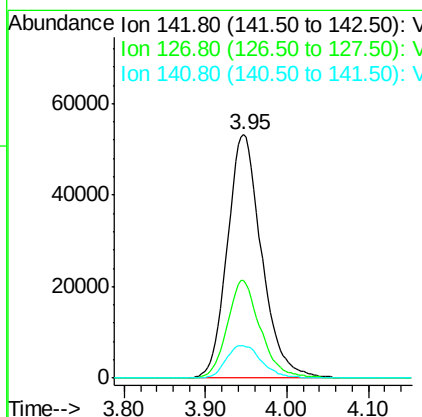
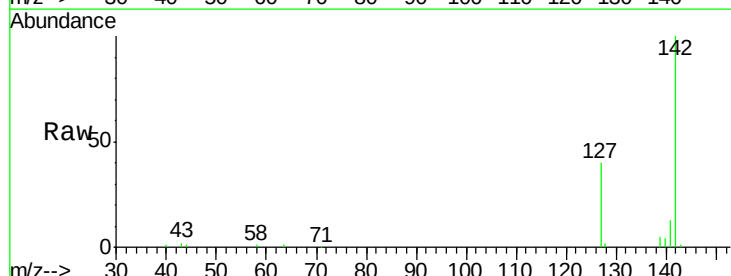
RT: 3.95 min Scan# 676

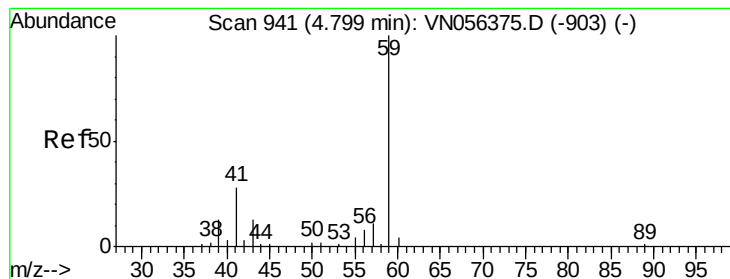
Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	142	Resp:	156335
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.6	46.0
141	13.8	11.4	17.2





#11

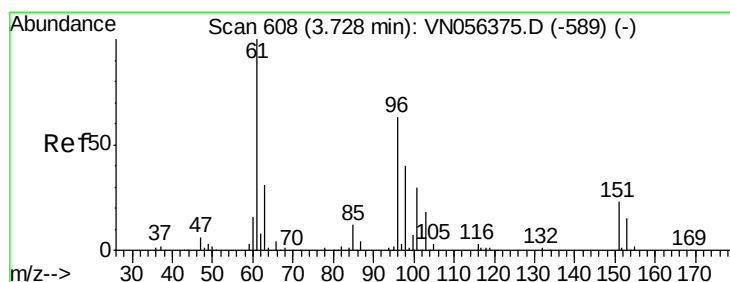
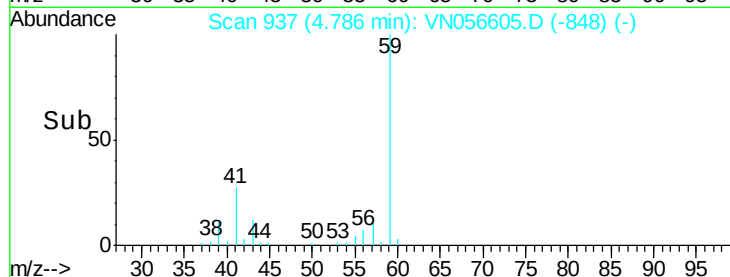
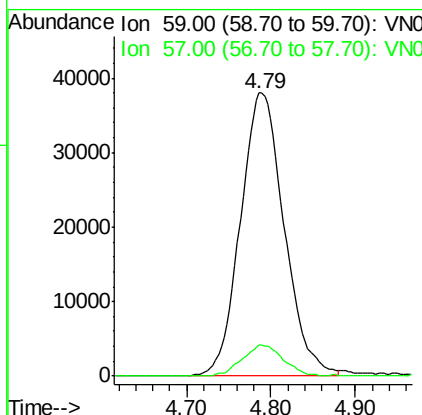
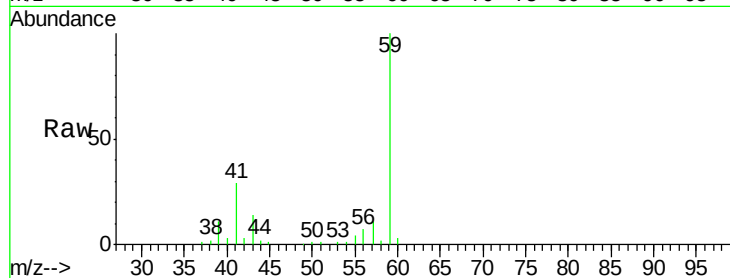
Tert butyl alcohol
Concen: 234.682 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4

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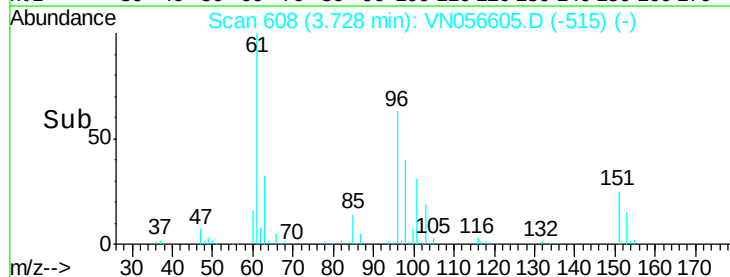
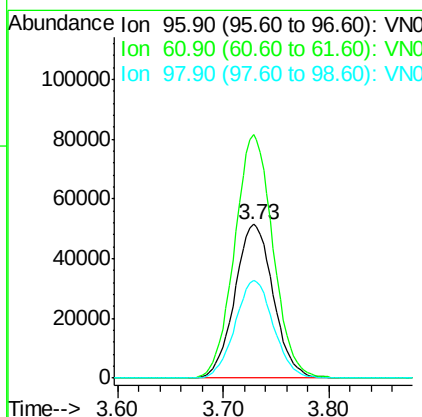
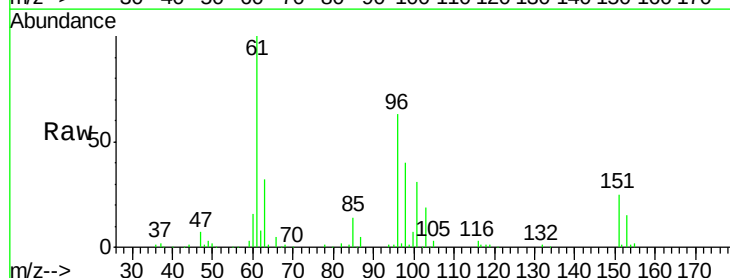
MMDadoda
7/9/2019 9:46:37 AM

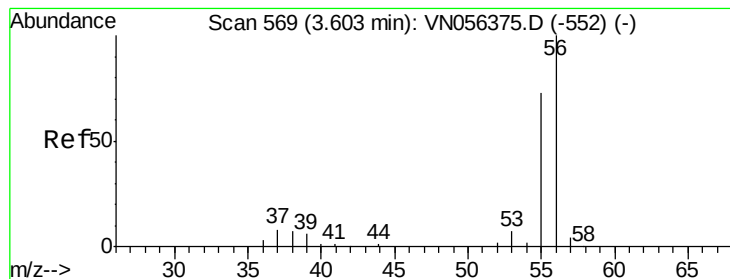


#12

1,1-Dichloroethene
Concen: 47.357 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	126.6	190.0
98	63.8	51.1	76.7





#13

Acrolein

Concen: 103.167 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50745

Ion Ratio Lower Upper

56 100

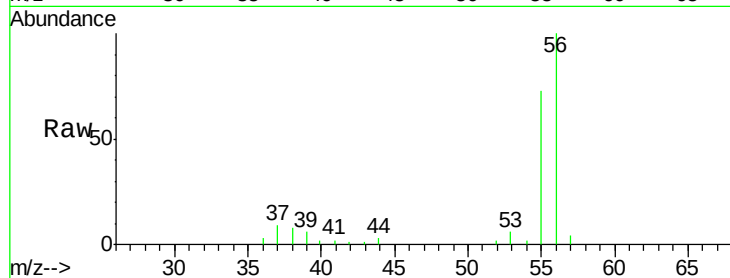
55 71.1 57.1 85.7

Manual Integrations

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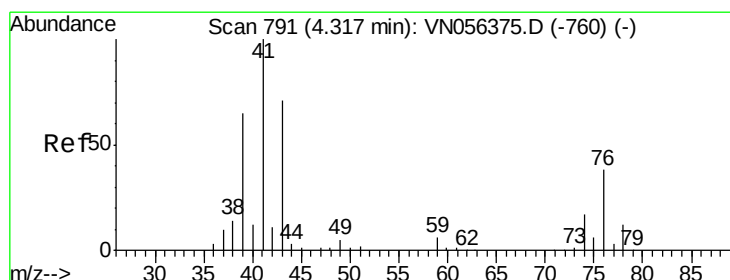
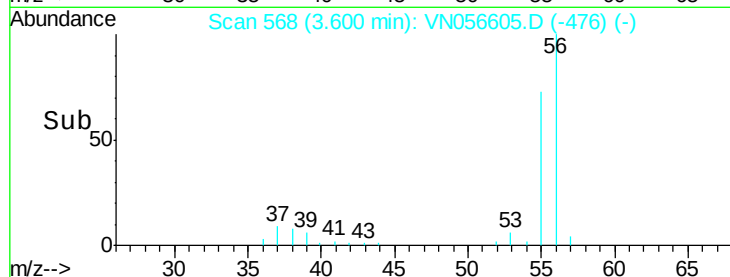
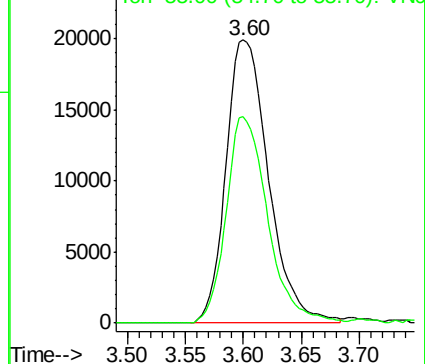
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.285 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

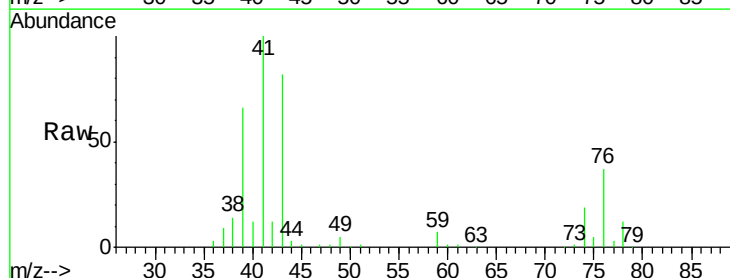
Tgt Ion: 41 Resp: 235780

Ion Ratio Lower Upper

41 100

39 60.4 48.6 73.0

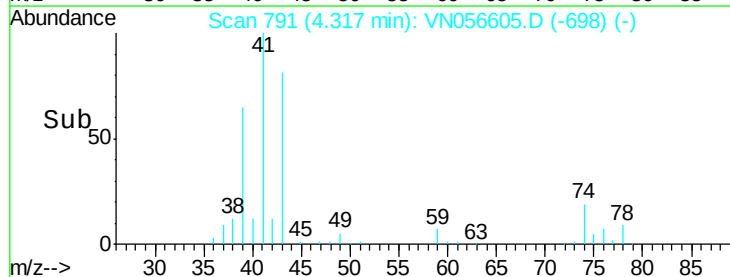
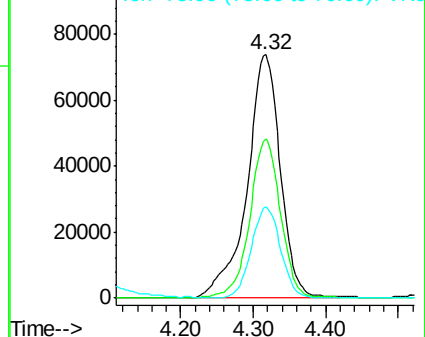
76 33.0 26.6 40.0

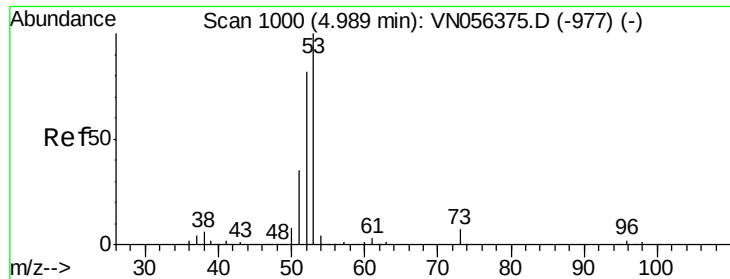


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 255.891 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

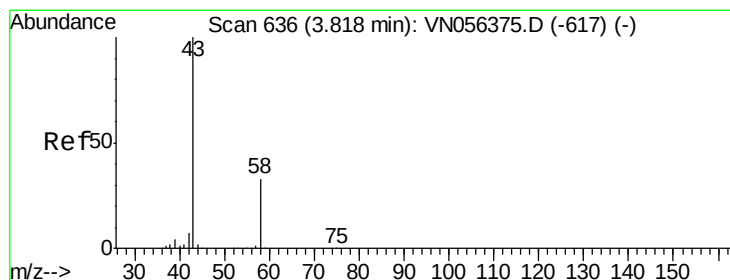
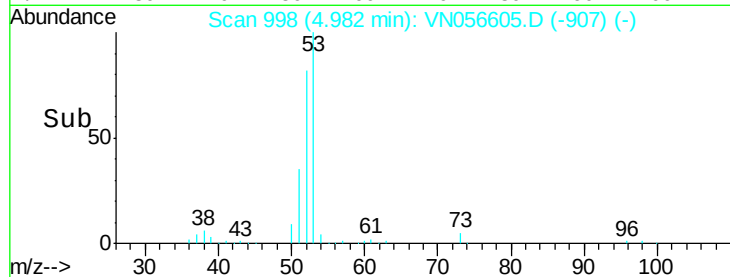
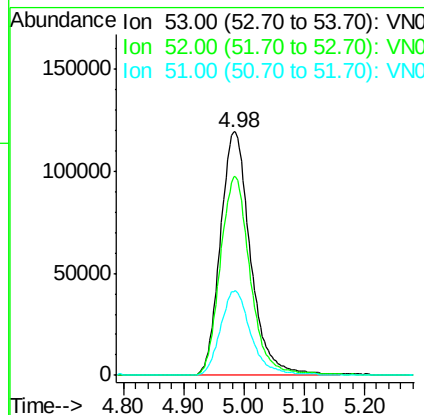
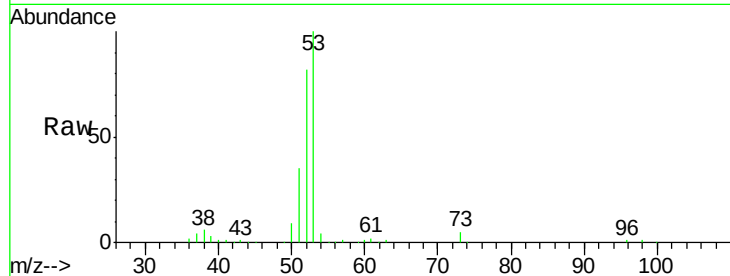
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	413146
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.9	98.9
51	35.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 225.196 ug/l

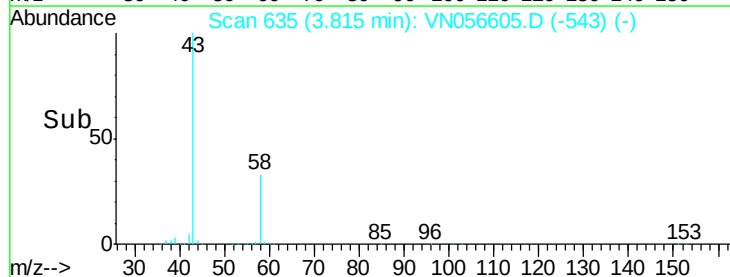
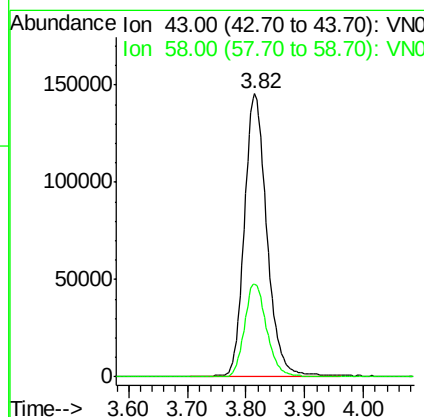
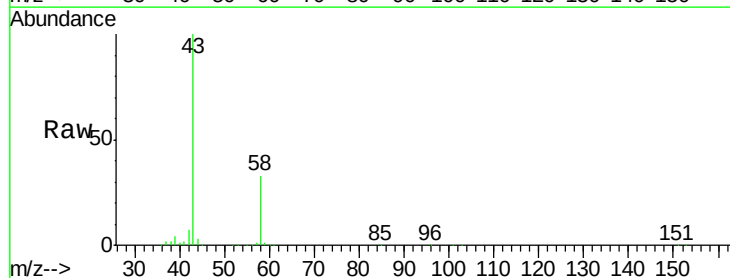
RT: 3.82 min Scan# 635

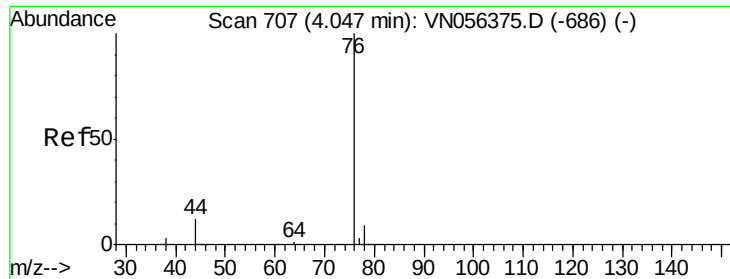
Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	43	Resp:	390949
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.4	39.6





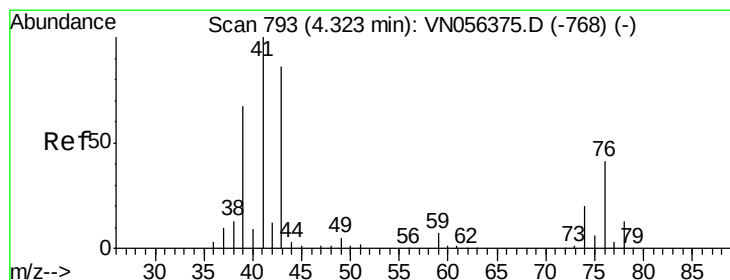
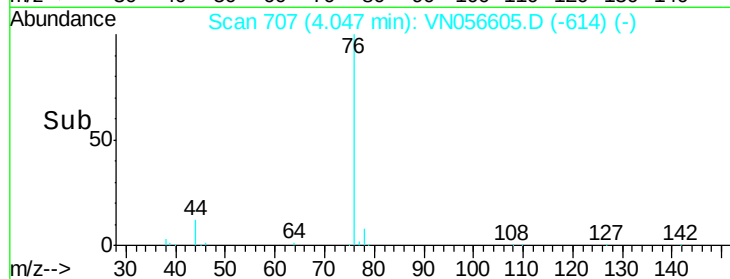
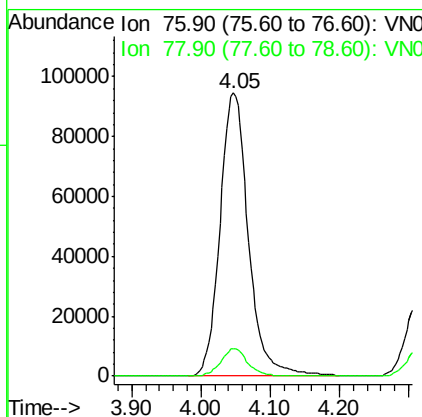
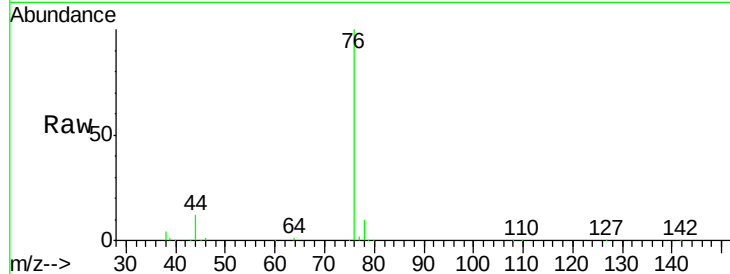
#17
Carbon Disulfide
Concen: 43.062 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

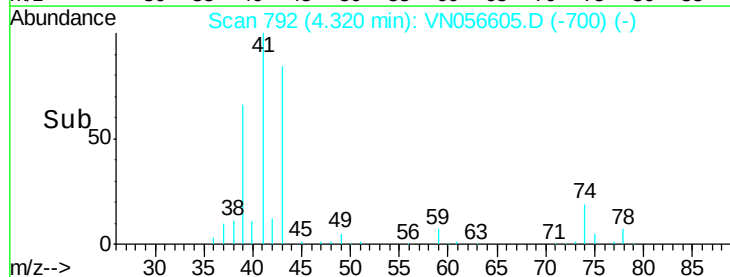
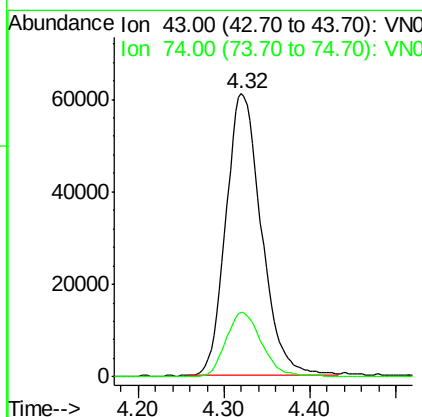
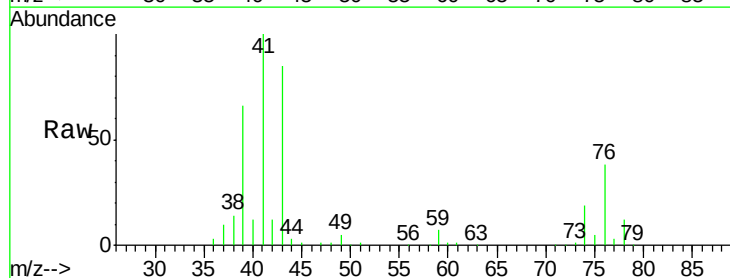
Manual Integrations
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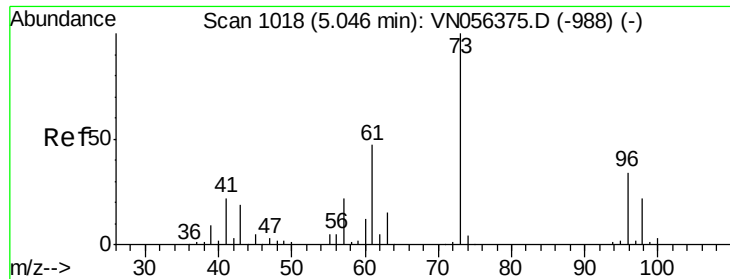
MMDadoda
7/9/2019 9:46:37 AM



#18
Methyl Acetate
Concen: 51.692 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8





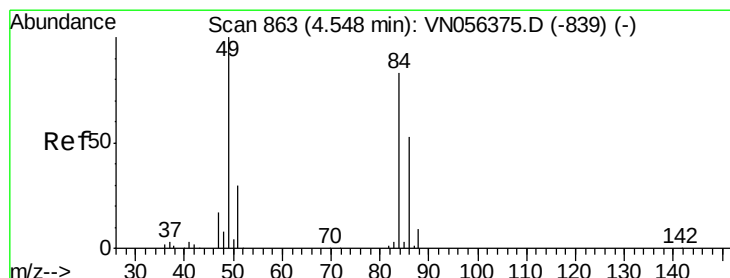
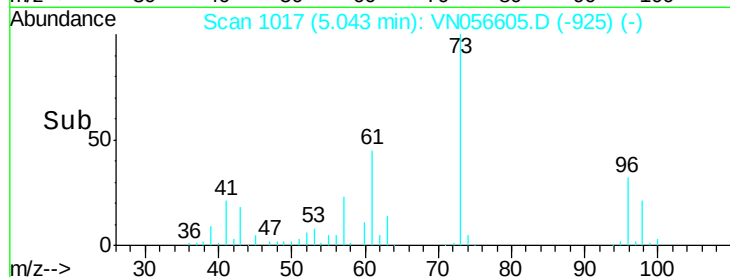
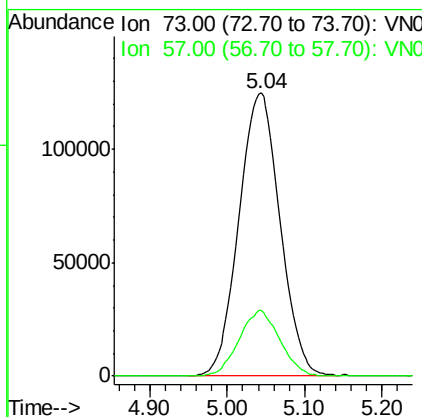
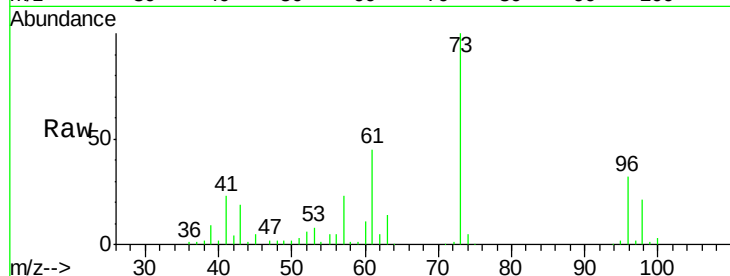
#19
Methyl tert-butyl Ether
Concen: 50.569 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 462143
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9

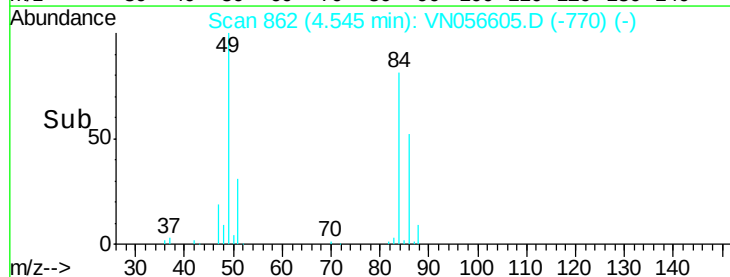
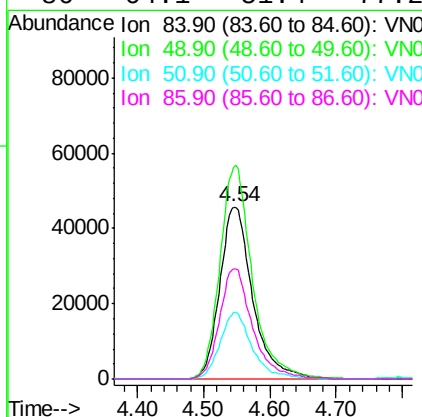
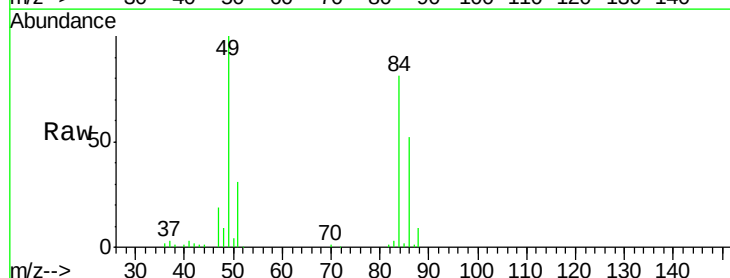
Manual Integrations
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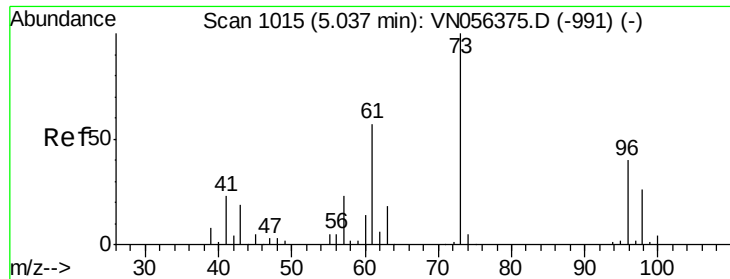
MMDadoda
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#20
Methylene Chloride
Concen: 48.010 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion: 84 Resp: 157237
Ion Ratio Lower Upper
84 100
49 123.0 96.4 144.6
51 38.7 28.6 43.0
86 64.1 51.4 77.2





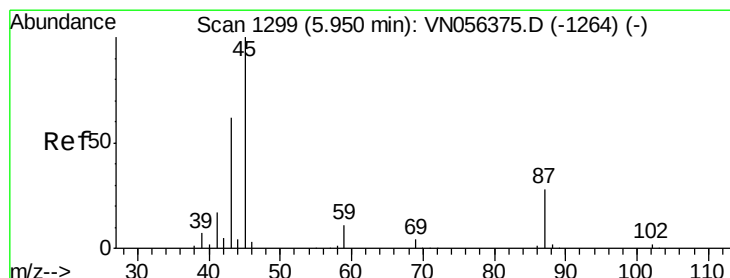
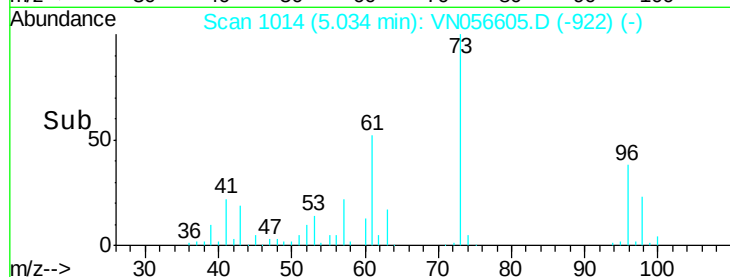
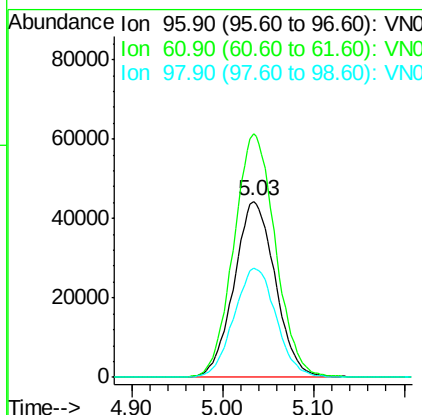
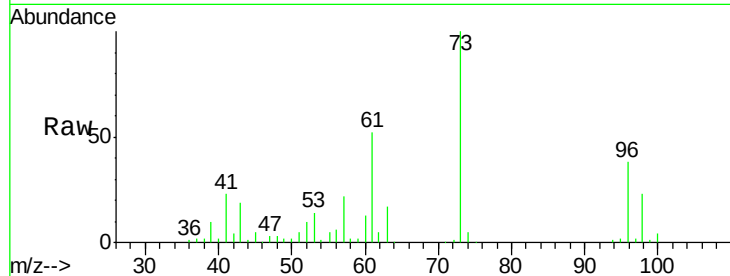
#21
trans-1,2-Dichloroethene
Concen: 46.875 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	113.0	169.6
98	61.7	52.2	78.2

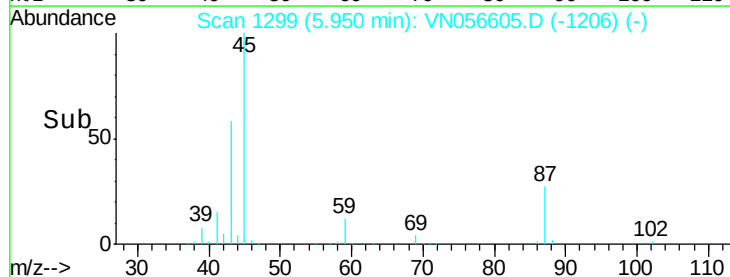
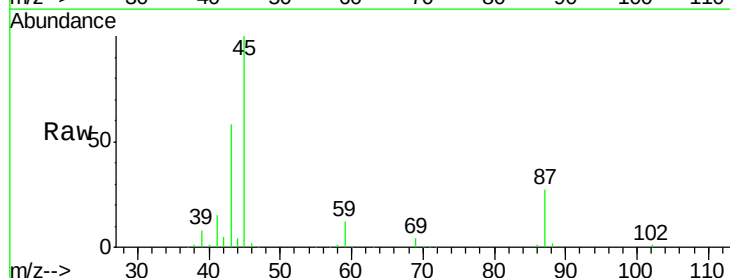
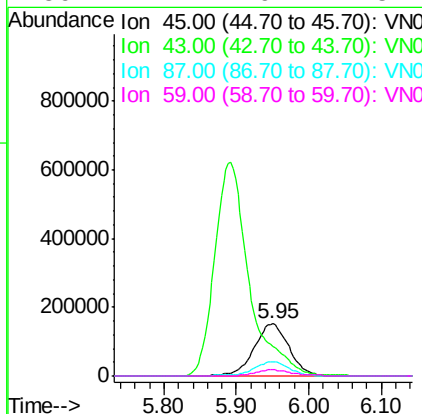
Manual Integrations
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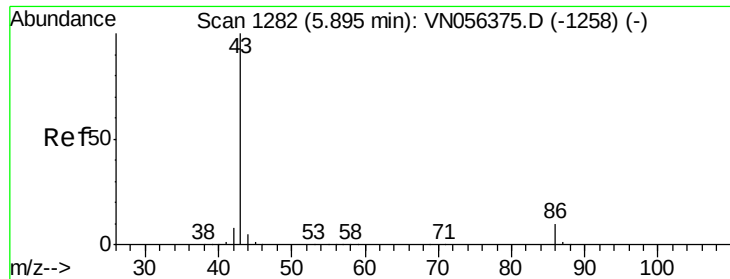
MMDadoda
7/9/2019 9:46:37 AM



#22
Diisopropyl ether
Concen: 52.726 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	50.4	75.6
87	27.2	23.0	34.4
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 271.099 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2064532

Ion Ratio Lower Upper

43 100

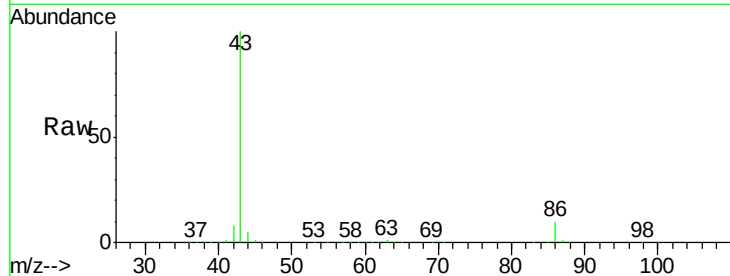
86 10.3 8.3 12.5

Manual Integrations

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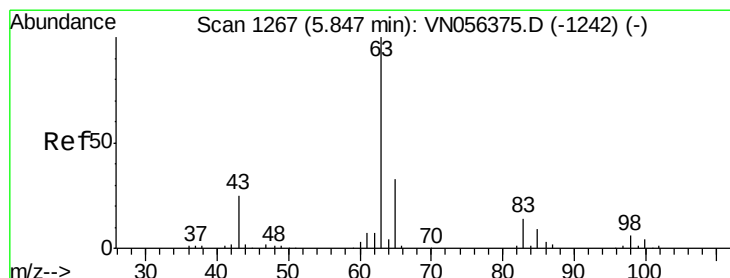
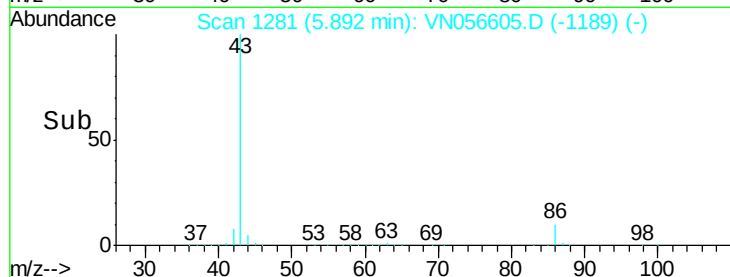
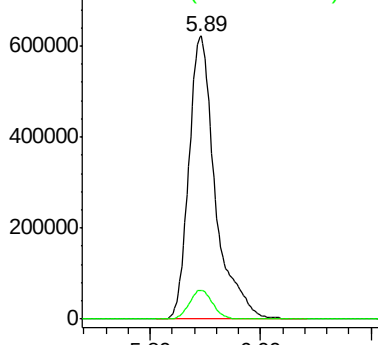
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.956 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

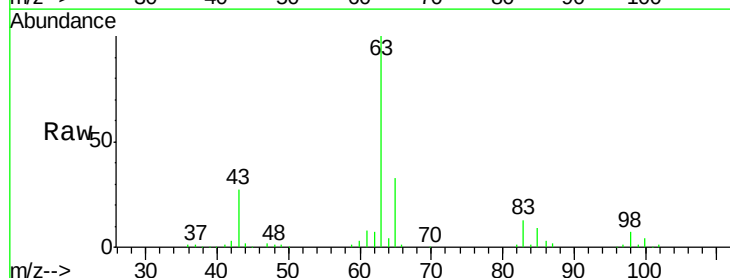
Tgt Ion: 63 Resp: 276880

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

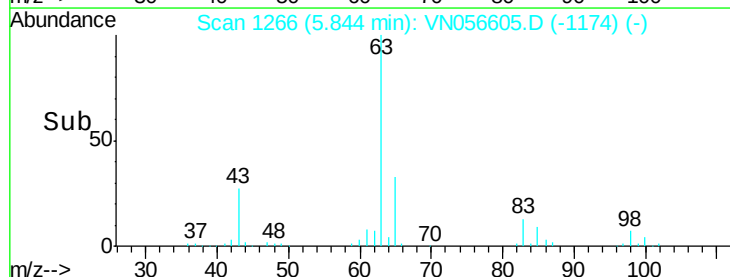
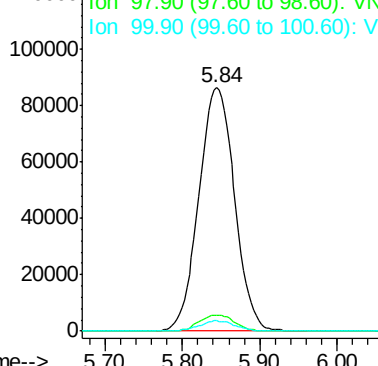
100 4.1 2.1 6.5

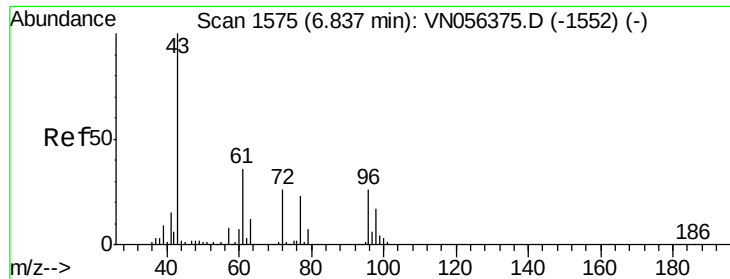


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 253.318 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 582038

Ion Ratio Lower Upper

43 100

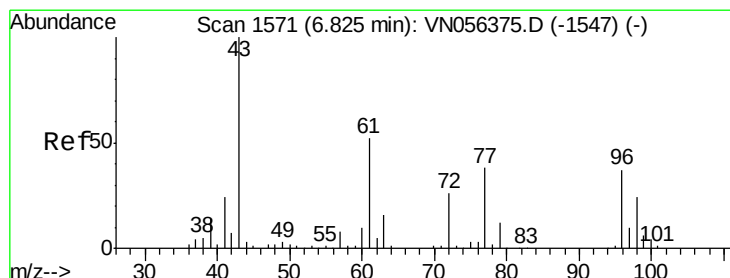
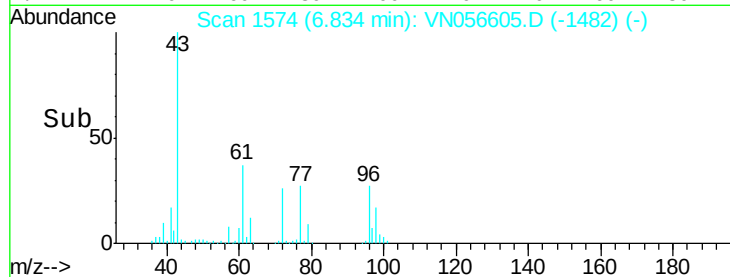
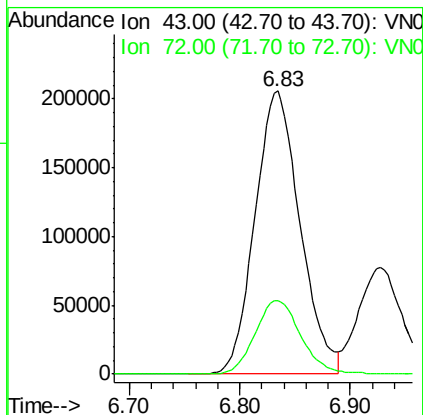
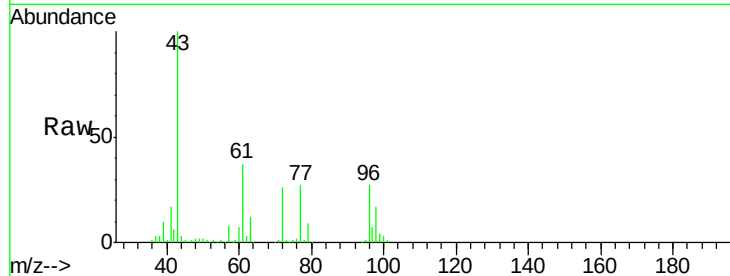
72 26.2 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.942 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056605.D

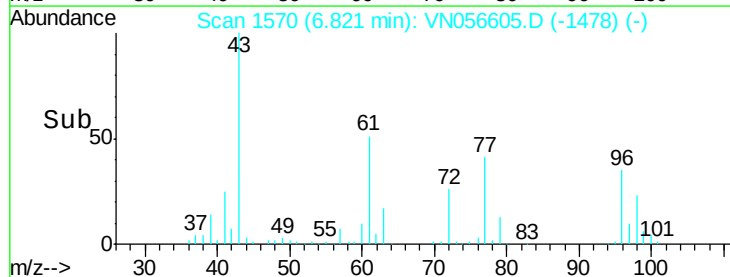
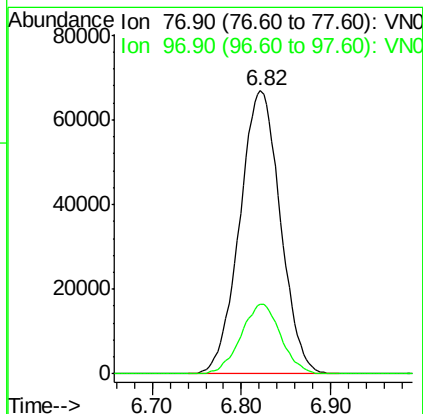
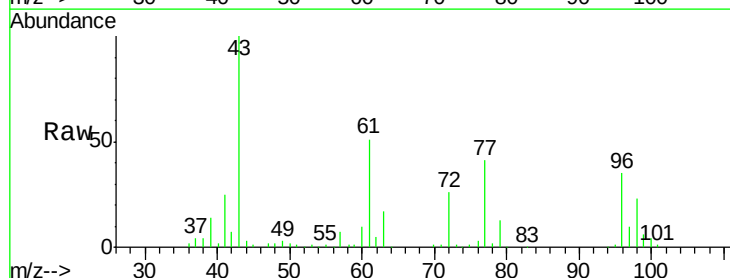
Acq: 8 Jul 2019 12:54

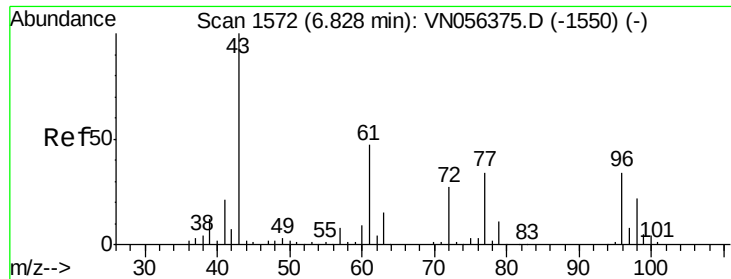
Tgt Ion: 77 Resp: 211792

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.569 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

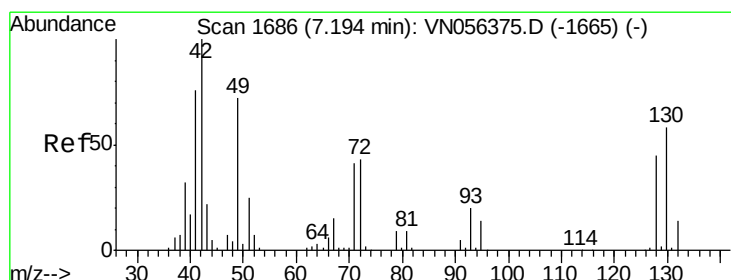
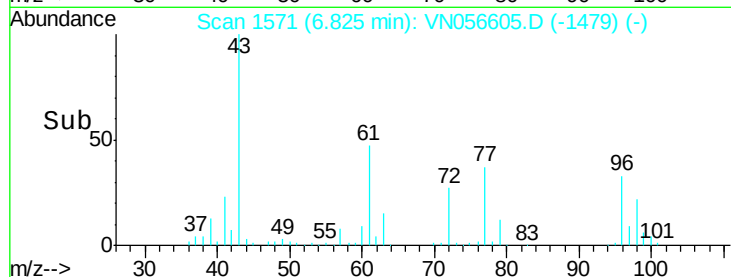
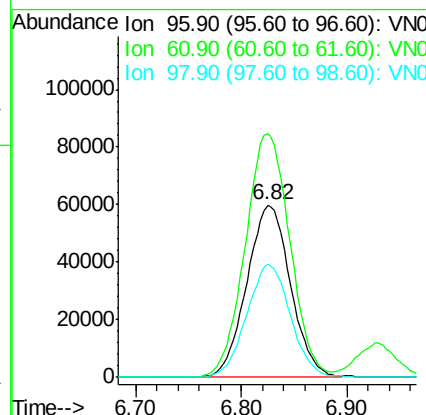
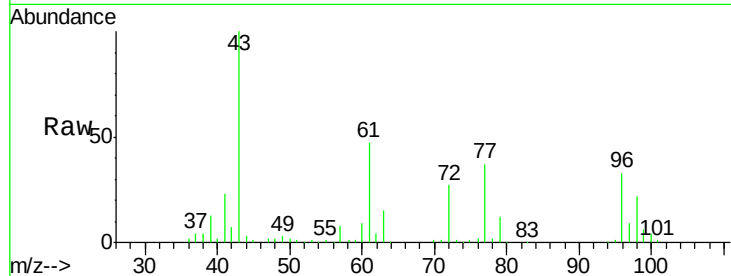
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	172685
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	279.8
98	65.8	0.0	130.0

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#28

Bromochloromethane

Concen: 49.899 ug/l

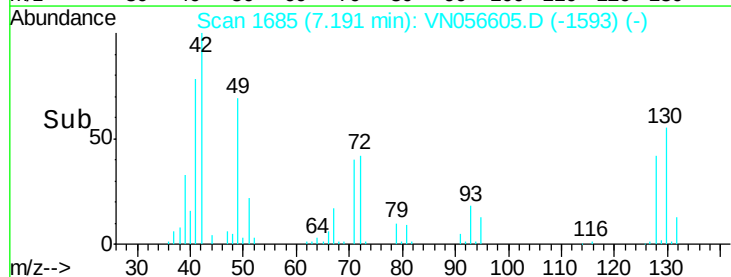
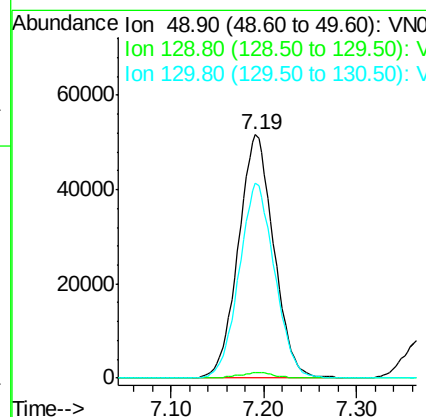
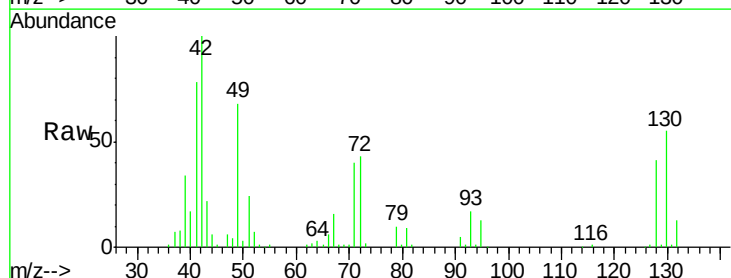
RT: 7.19 min Scan# 1685

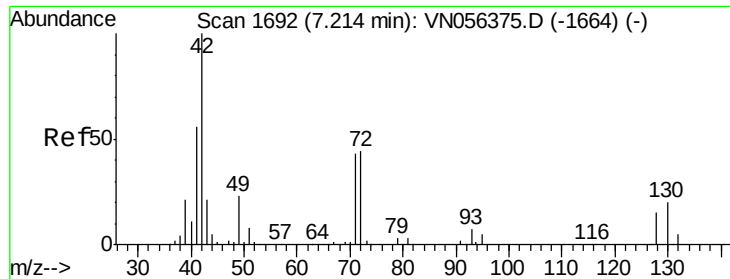
Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	49	Resp:	136796
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	80.4	64.9	97.3





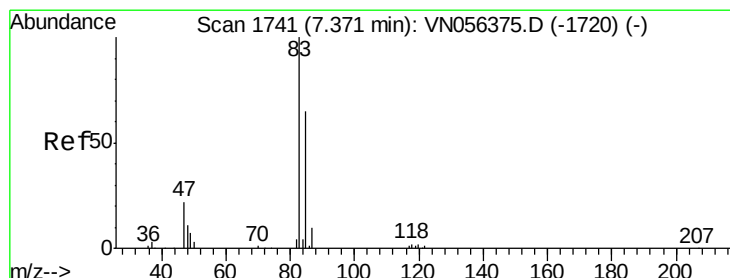
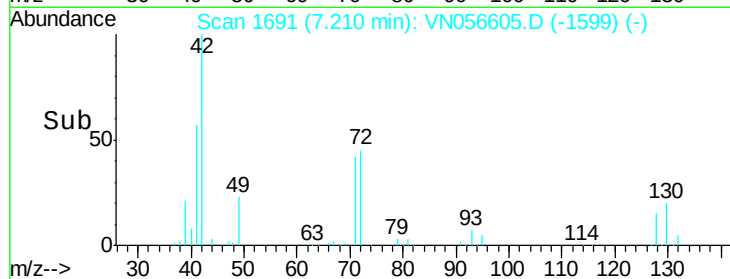
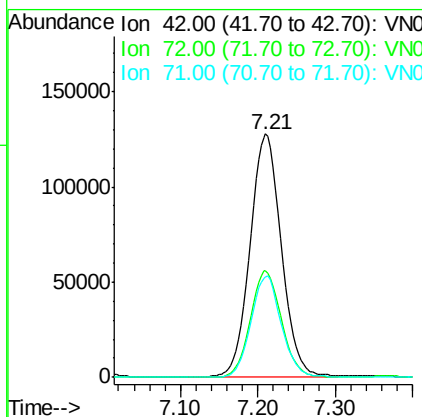
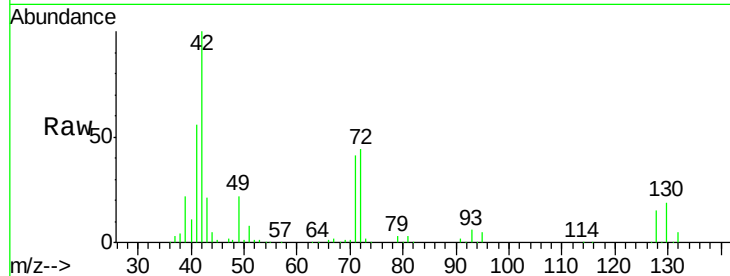
#29
Tetrahydrofuran
Concen: 257.689 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.7	52.1
71	40.6	33.0	49.6

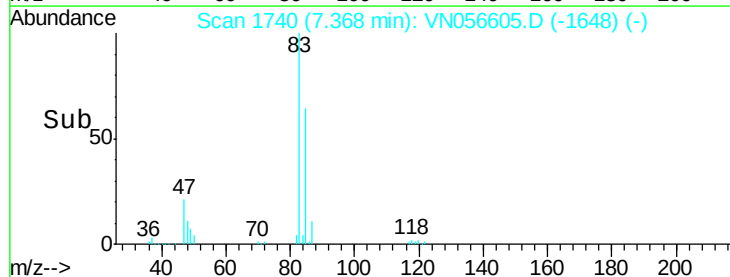
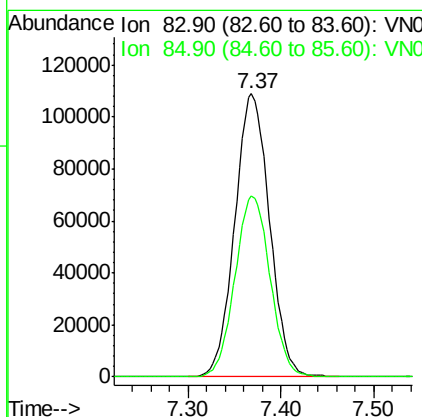
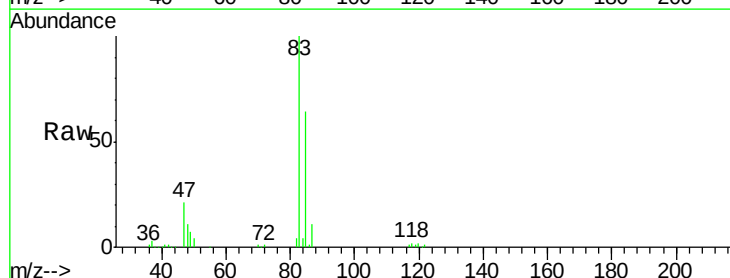
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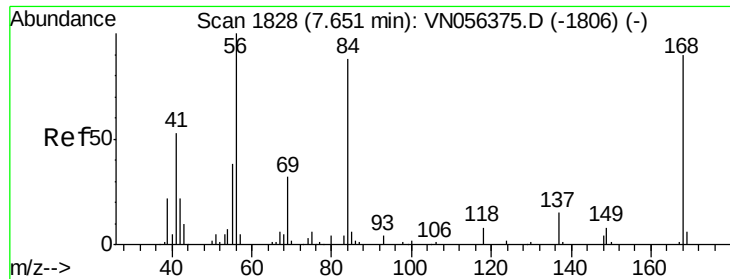
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#30
Chloroform
Concen: 51.757 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5





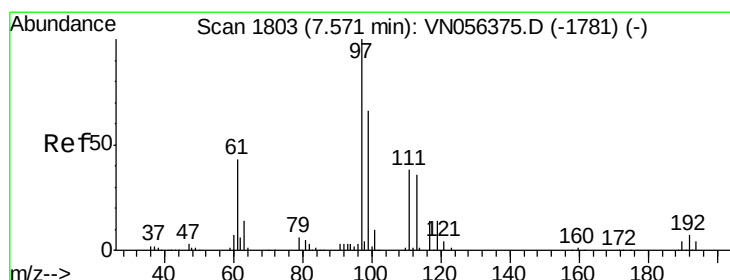
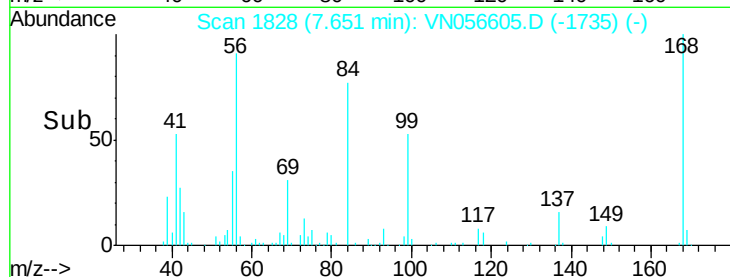
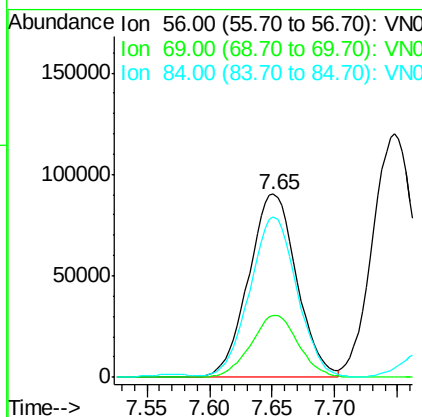
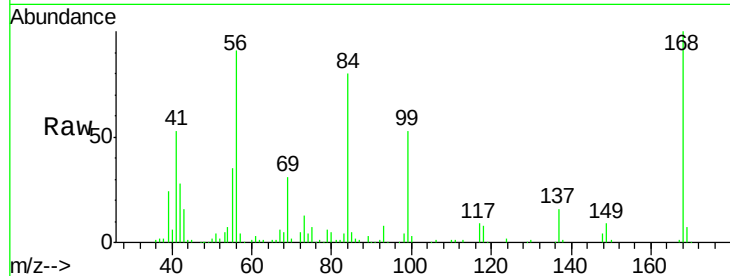
#31
Cyclohexane
Concen: 45.090 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.8	38.6
84	86.5	69.4	104.0

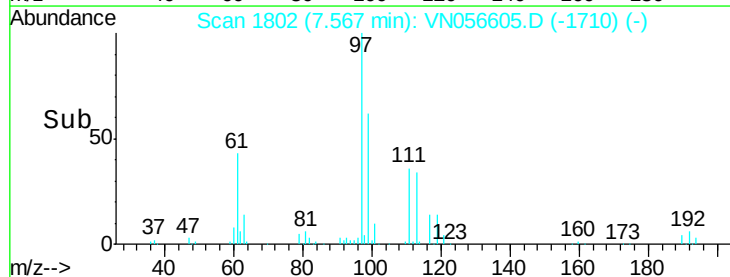
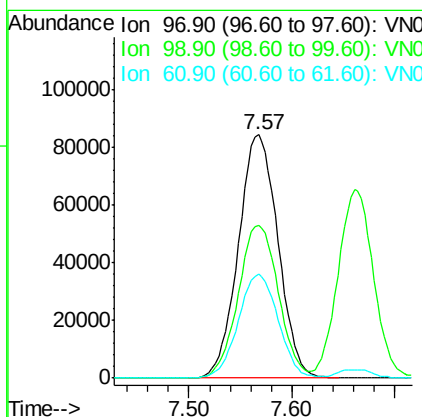
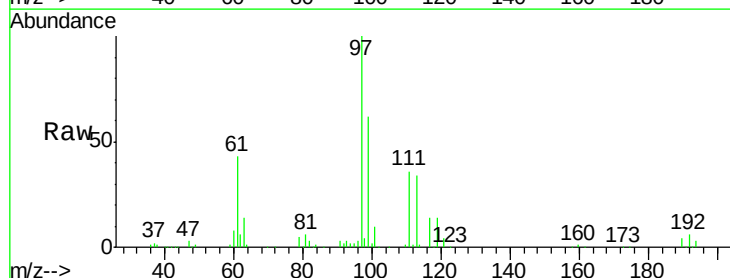
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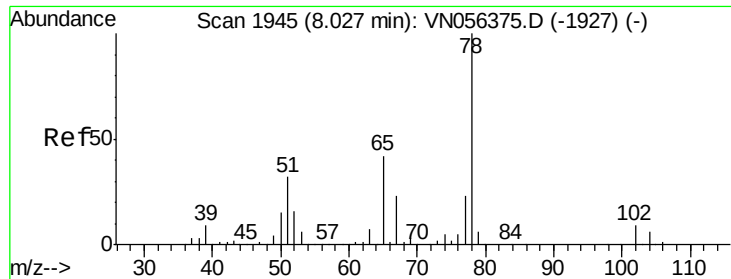
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#32
1,1,1-Trichloroethane
Concen: 52.082 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	43.0	33.9	50.9





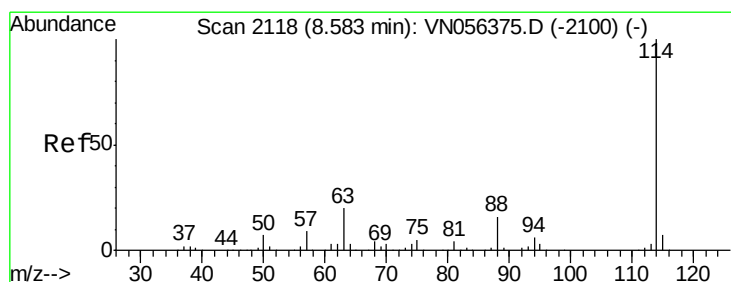
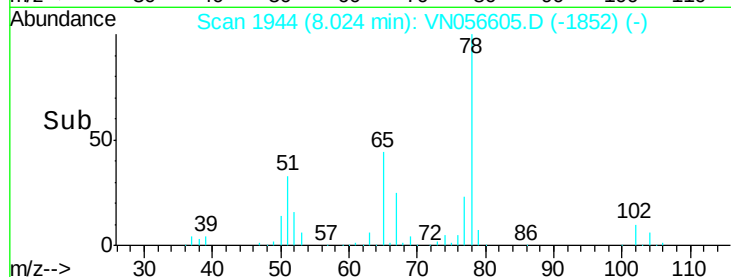
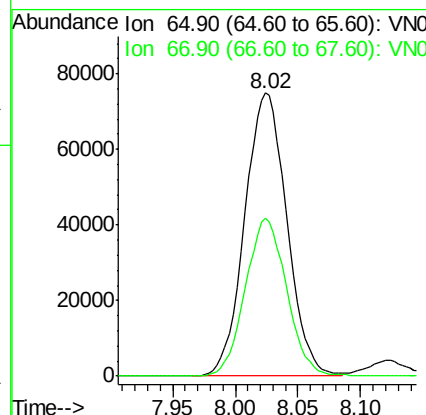
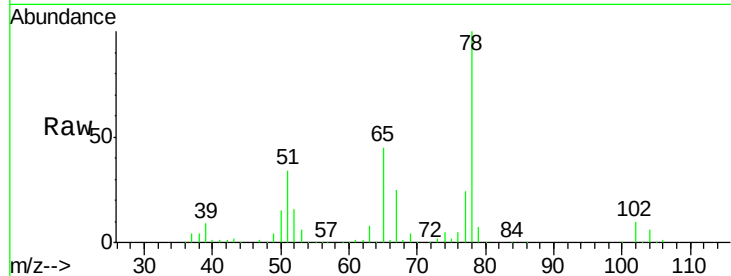
#33
 1,2-Dichloroethane-d4
 Concen: 50.454 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 174827
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0

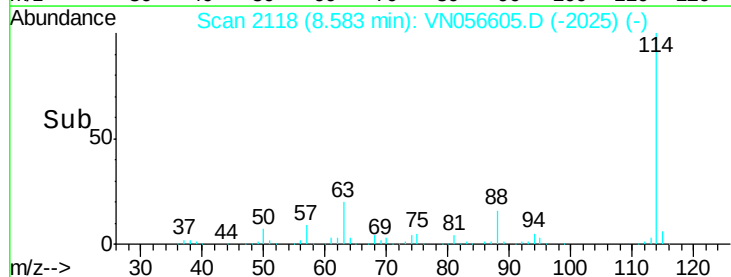
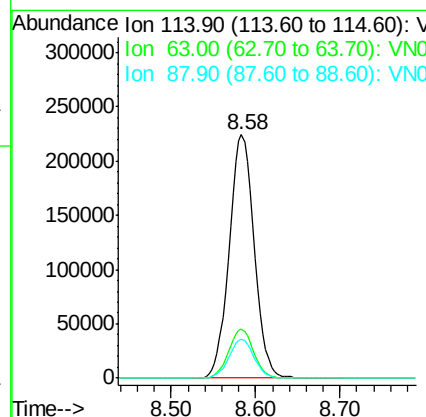
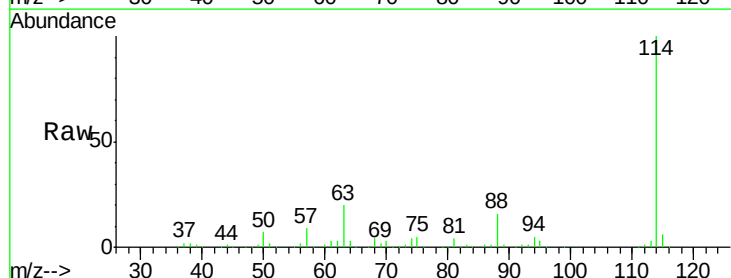
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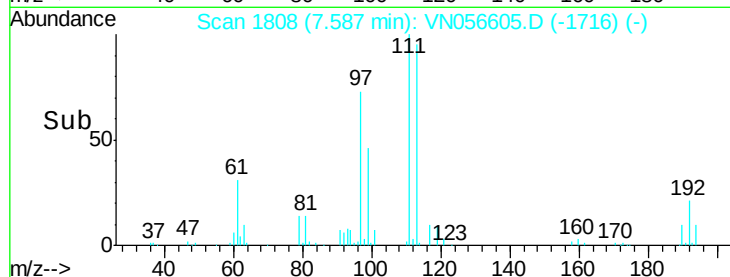
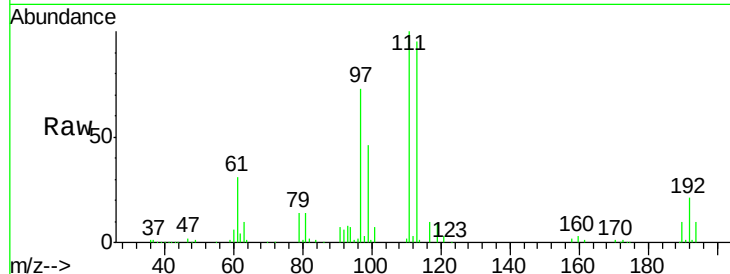
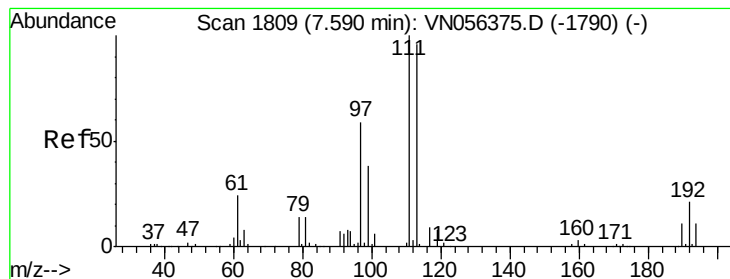
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion: 114 Resp: 461694
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.738 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tot Ion:	113	Resp:	154777
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.9	124.3
192	22.1	17.7	26.5

Instrument :

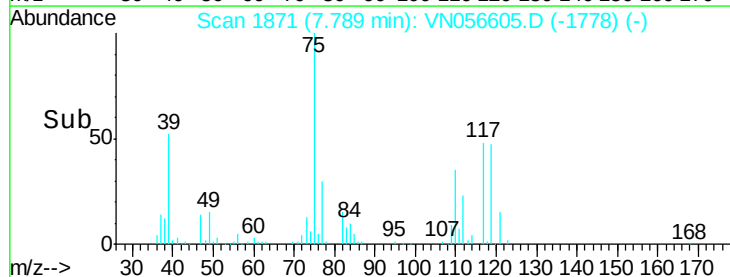
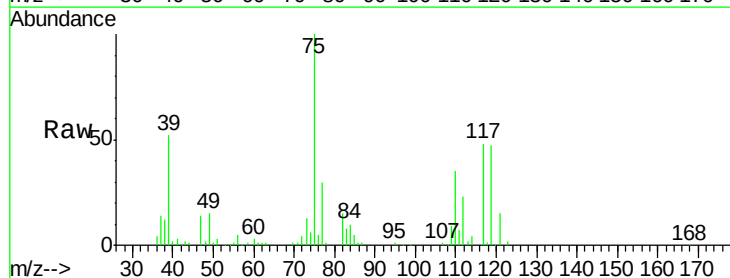
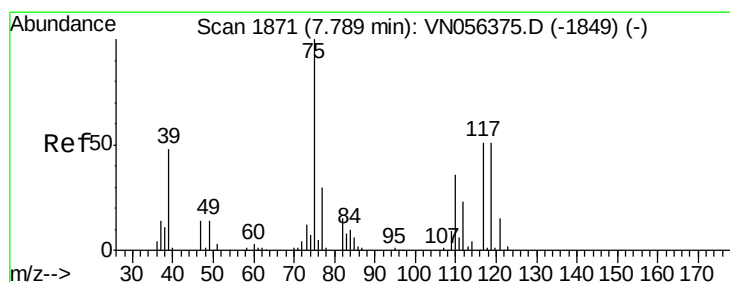
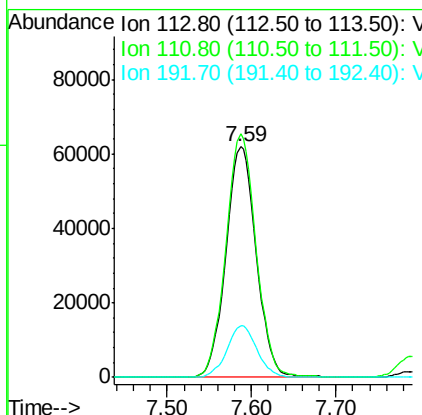
MSVOA_N

ClientSampleId :

VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 49.314 ug/l

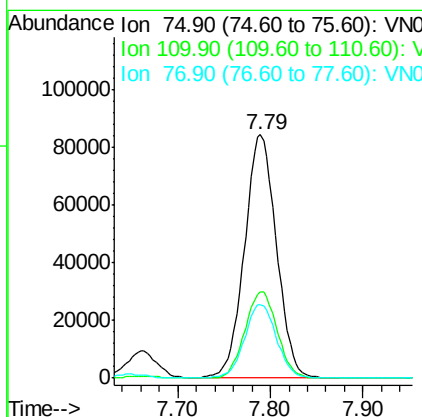
RT: 7.79 min Scan# 1871

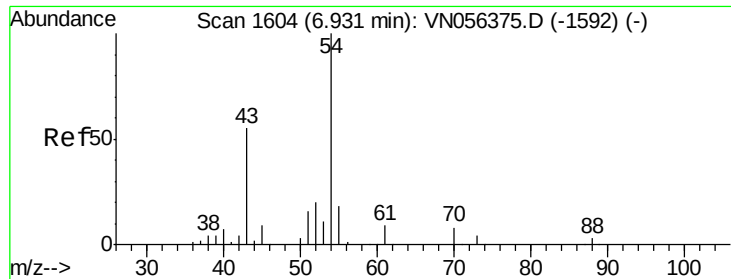
Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	75	Resp:	200398
Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.3
77	30.6	24.6	36.8





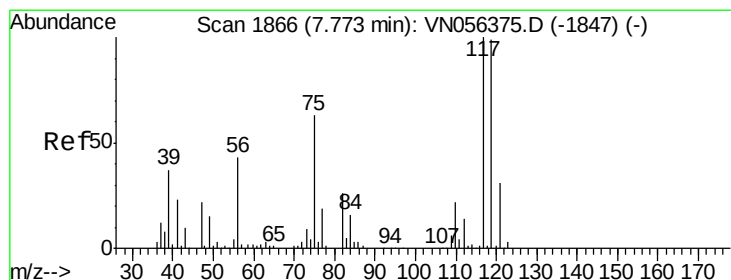
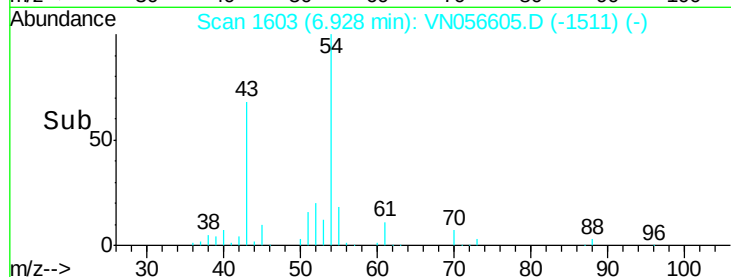
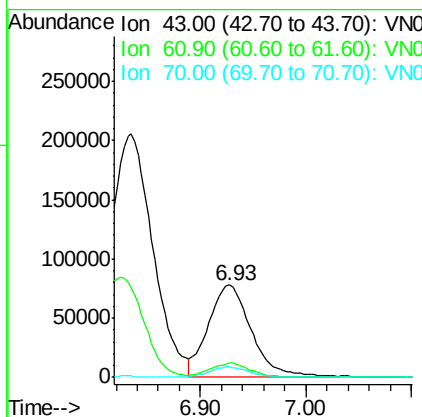
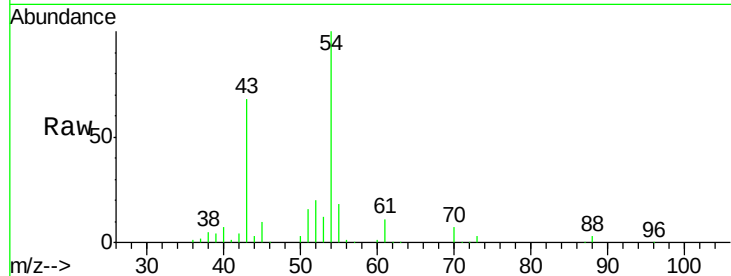
#37
Ethyl Acetate
Concen: 54.152 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	10.7	8.3	12.5

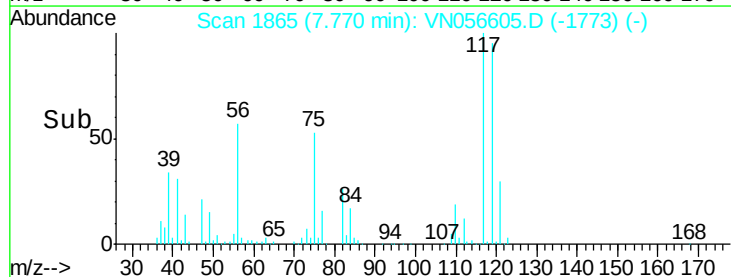
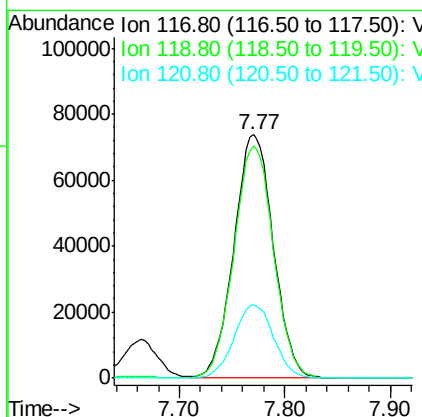
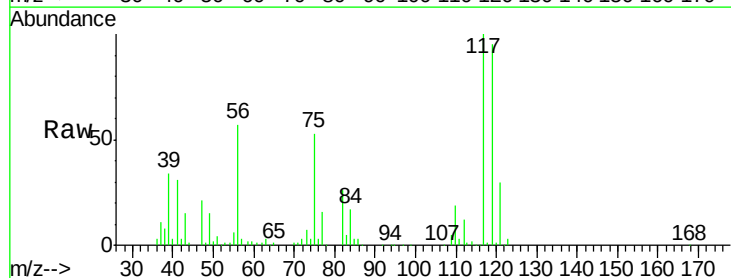
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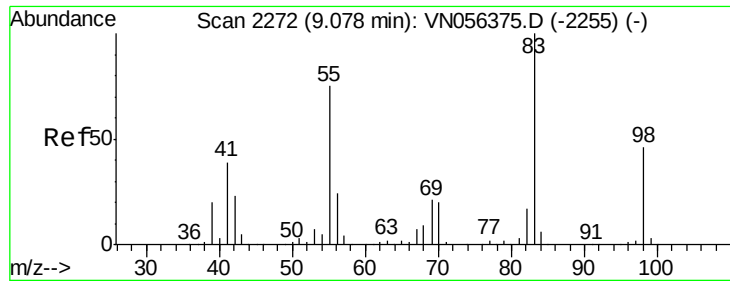
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#38
Carbon Tetrachloride
Concen: 53.826 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.1	118.7
121	30.1	24.8	37.2





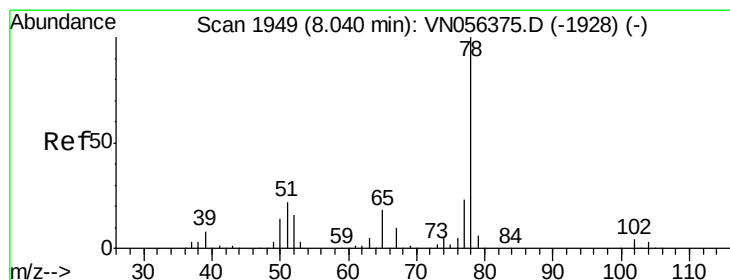
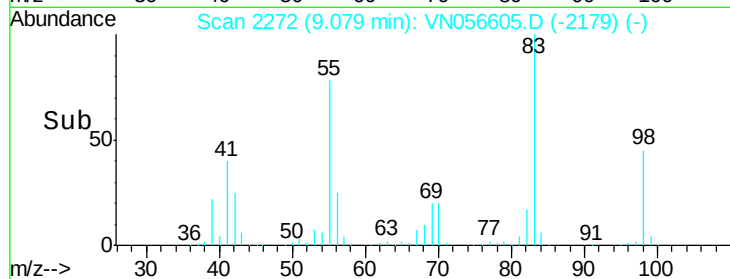
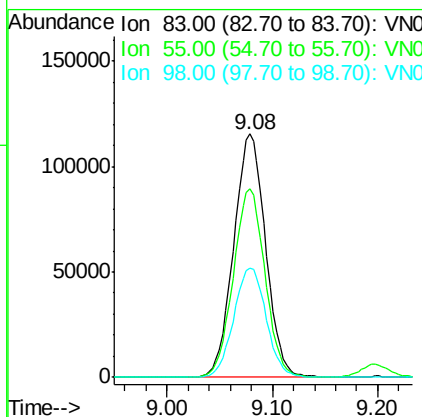
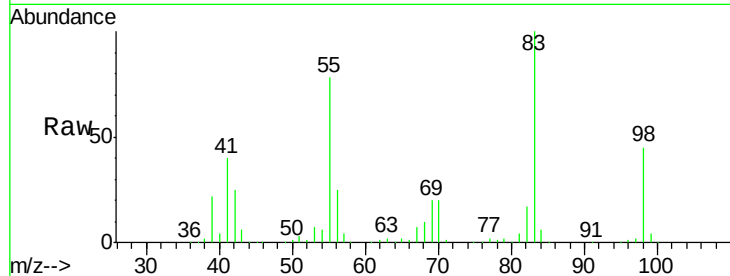
#39
Methylvlcyclohexane
Concen: 48.283 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.0	90.0
98	44.9	36.6	54.8

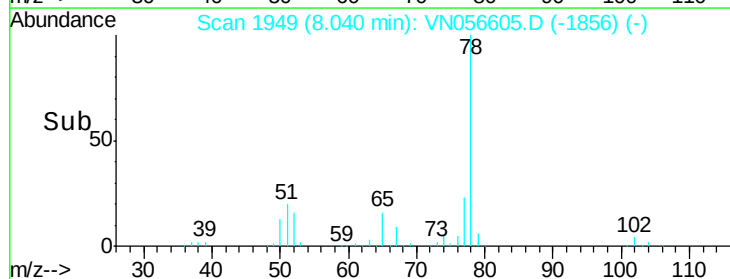
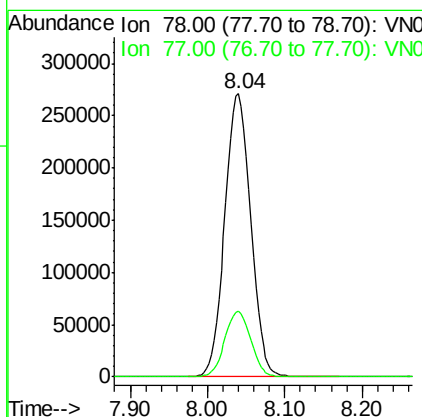
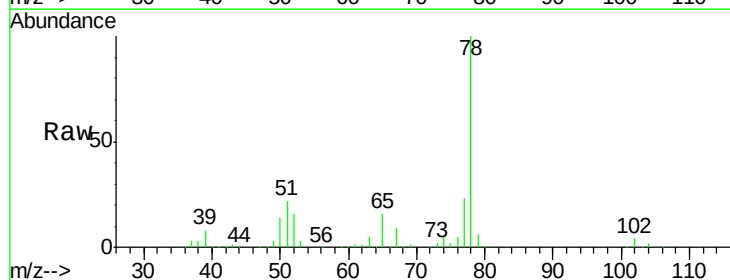
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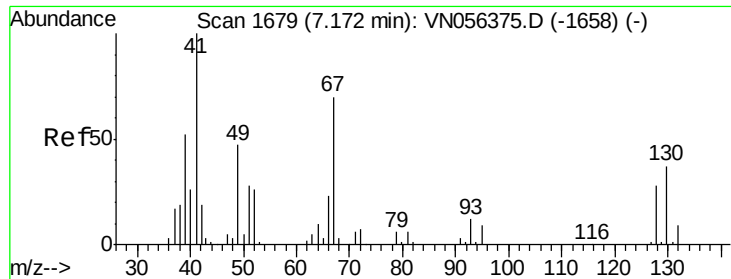
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#40
Benzene
Concen: 50.426 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.3	27.5





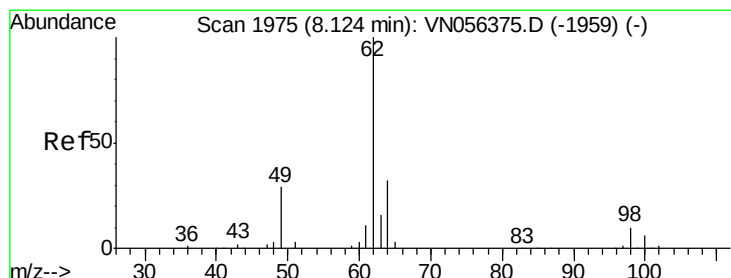
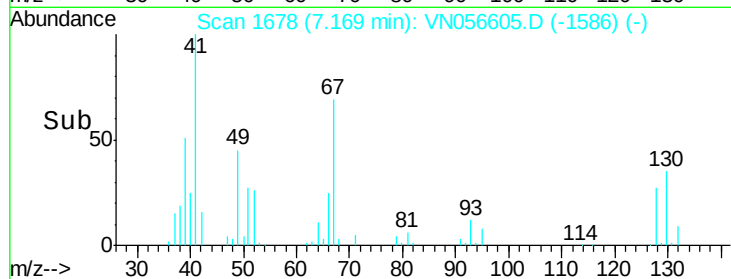
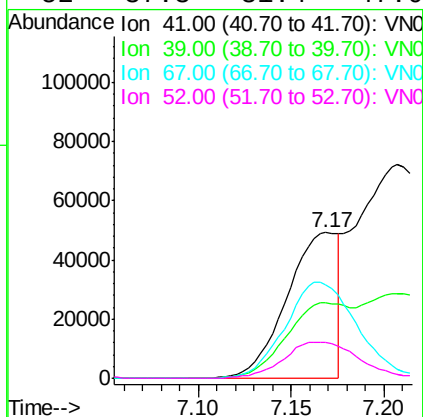
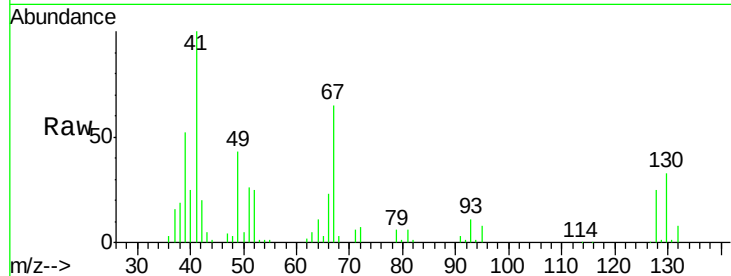
#41
Methacrylonitrile
Concen: 53.510 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:	41	Resp:	94364
Ion	Ratio	Lower	Upper
41	100		
39	67.1	55.3	82.9
67	93.8	79.2	118.8
52	37.3	31.4	47.0

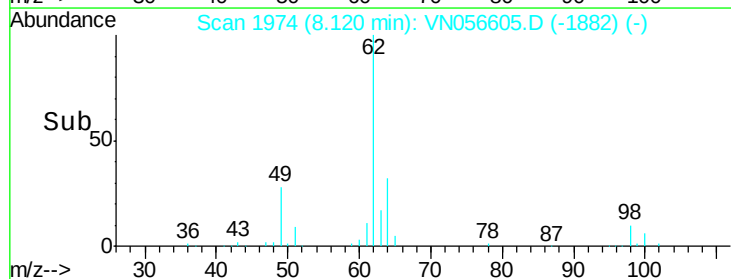
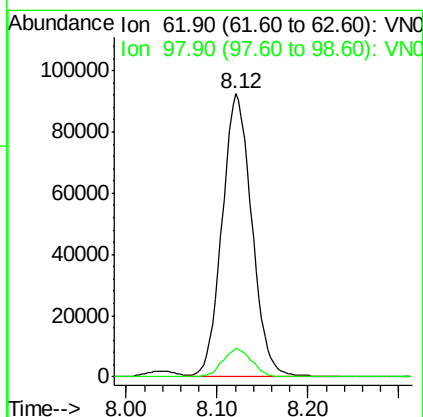
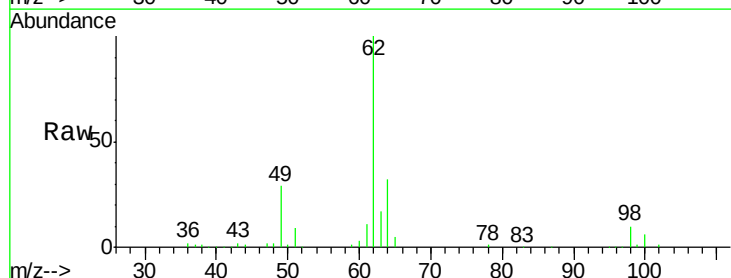
Manual Integrations
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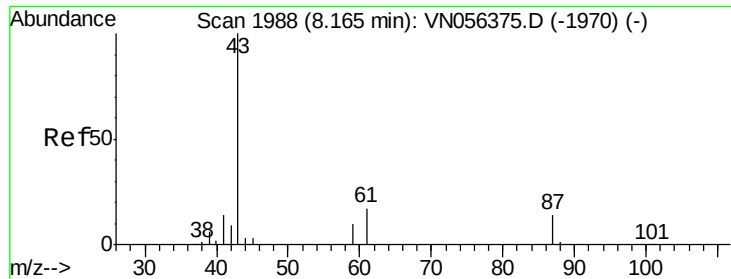
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.053 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion:	62	Resp:	210606
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 56.217 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

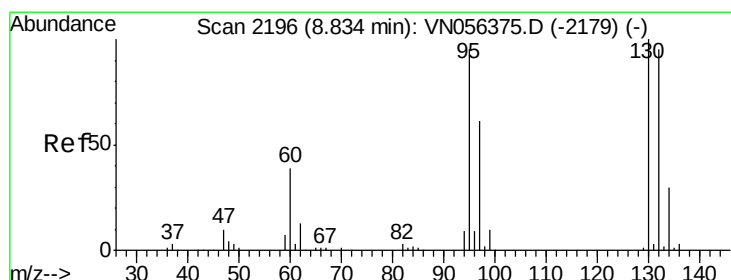
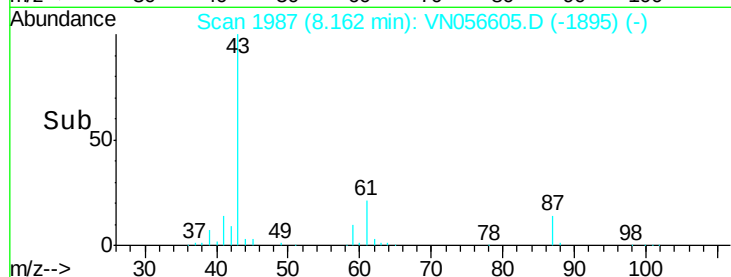
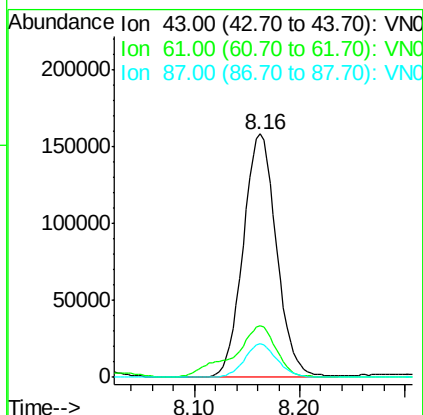
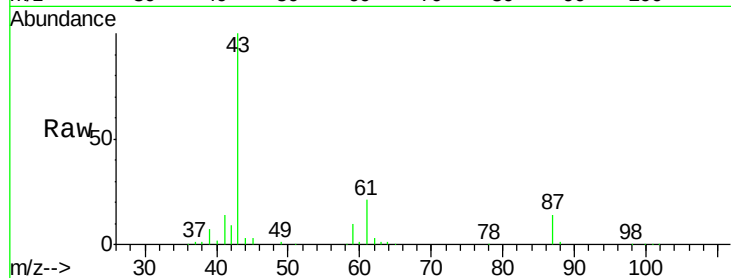
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	346188
Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.0	33.0
87	13.6	11.0	16.4

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#44

Trichloroethene

Concen: 48.763 ug/l

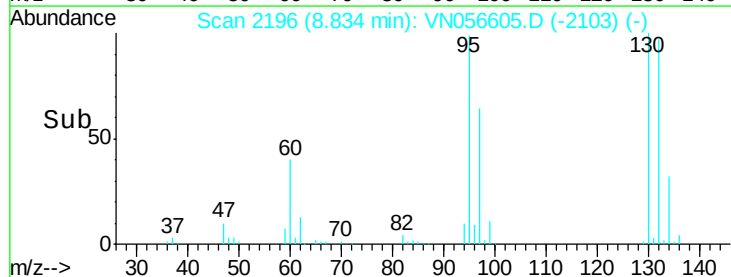
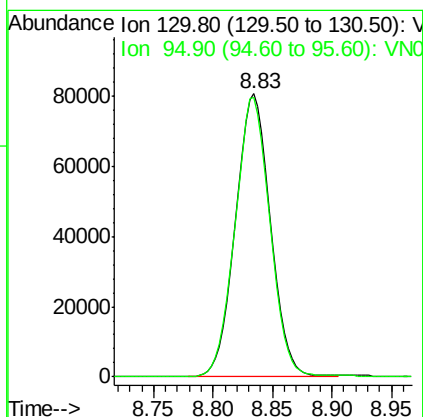
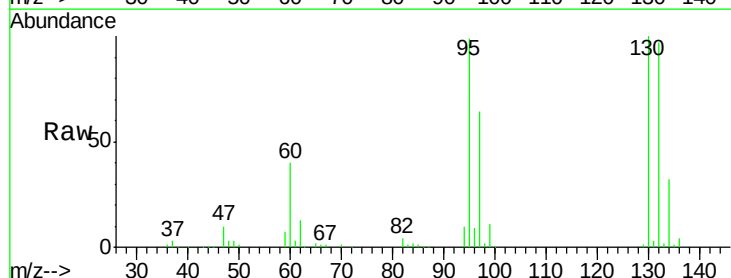
RT: 8.83 min Scan# 2196

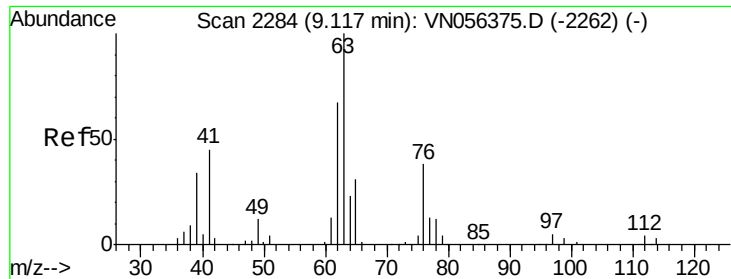
Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	130	Resp:	164197
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	191.0





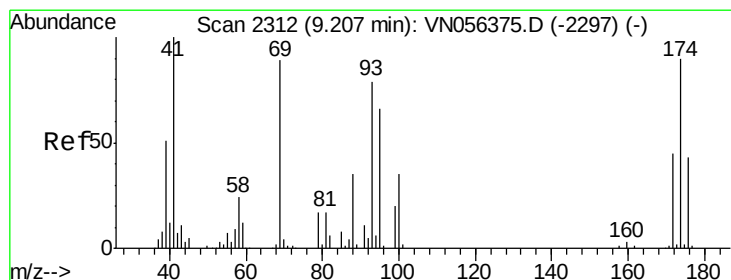
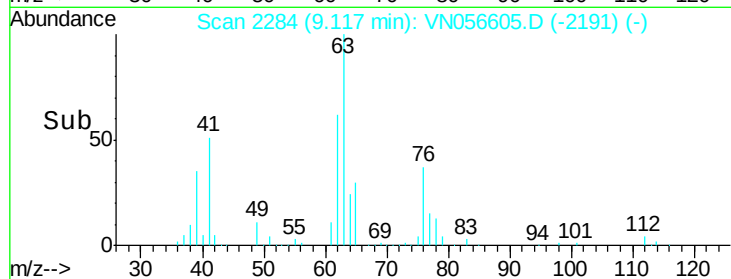
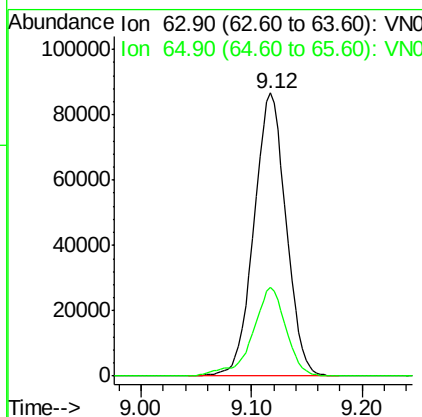
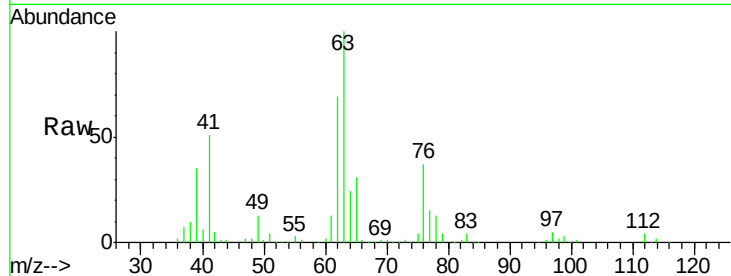
#45
 1,2-Dichloropropane
 Concen: 52.269 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 174733
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

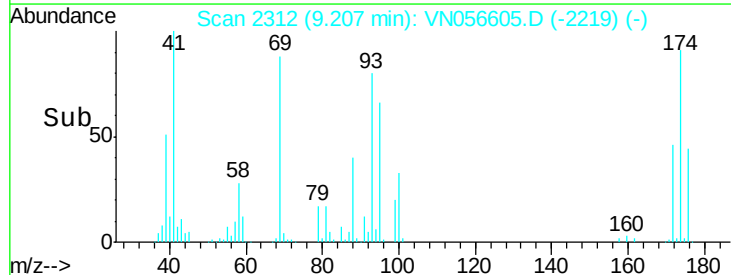
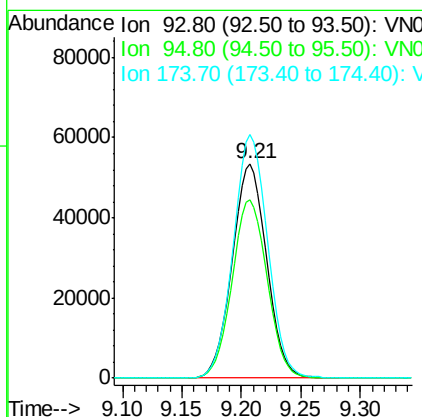
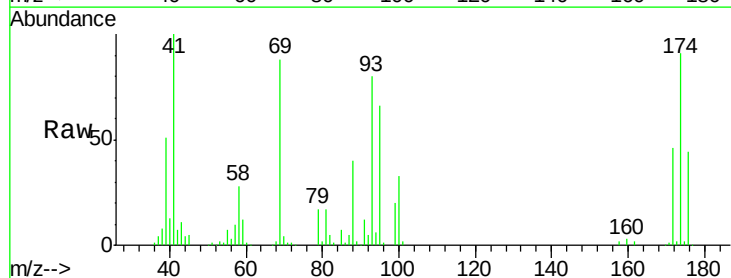
Manual Integrations
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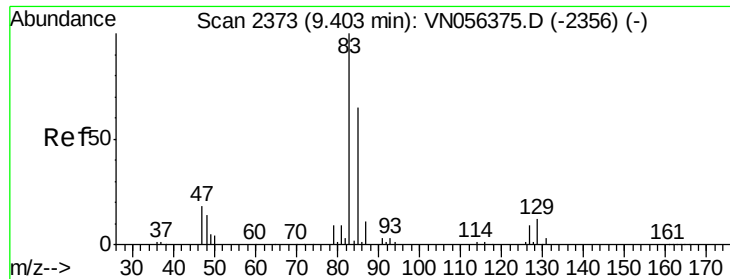
MMDadoda
 7/9/2019 9:46:37 AM



#46
 Dibromomethane
 Concen: 51.339 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion: 93 Resp: 107374
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.2 99.2
 174 113.6 90.8 136.2





#47

Bromodichloromethane

Concen: 56.860 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

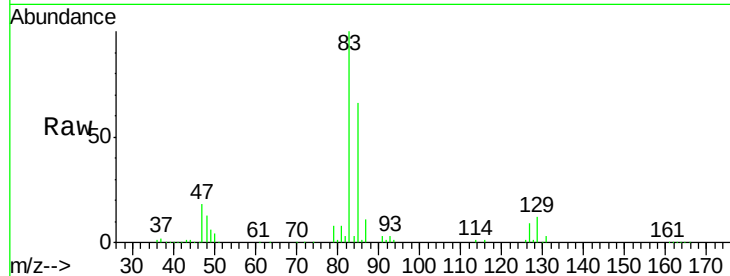
ClientSampleId :

VSTDCCC050

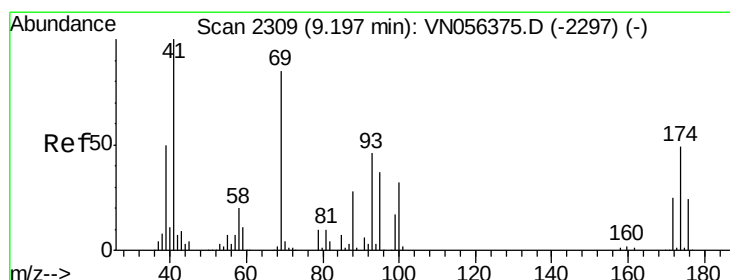
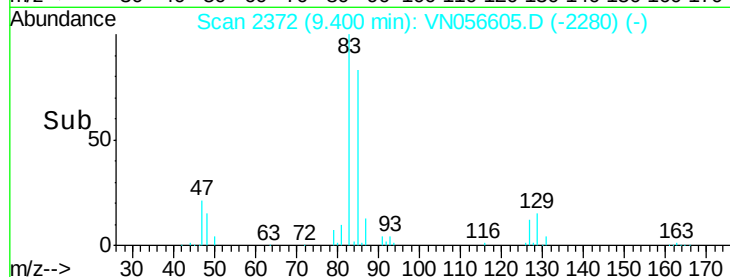
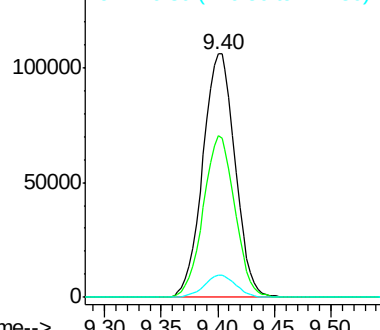
Tot Ion:	83	Resp:	210917
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.2	78.4
127	9.2	7.3	10.9

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



#48

Methyl methacrylate

Concen: 55.698 ug/l

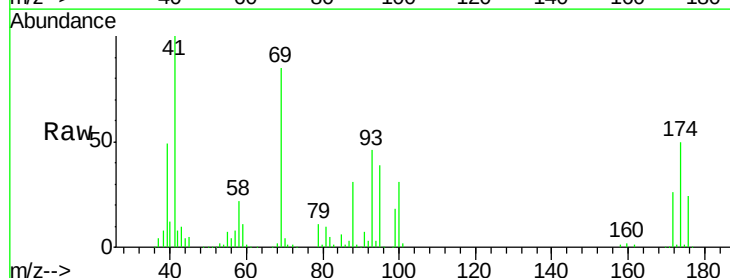
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

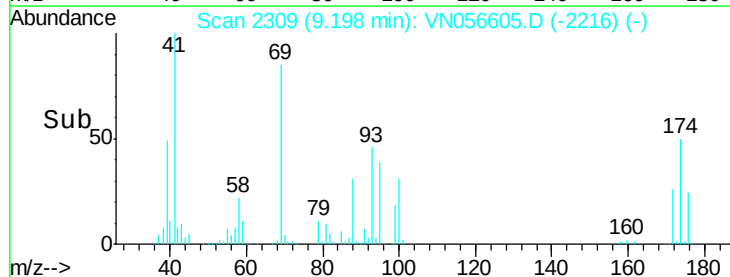
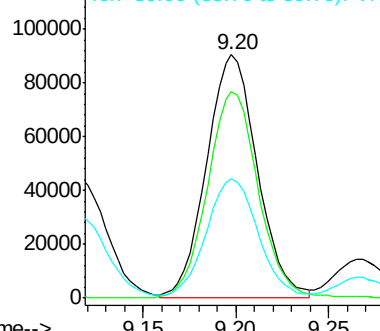
Lab File: VN056605.D

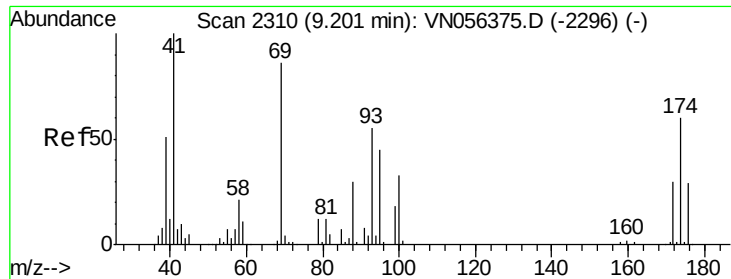
Acq: 8 Jul 2019 12:54

Tgt Ion:	41	Resp:	171880
Ion Ratio	Lower	Upper	
41	100		
69	85.8	72.6	109.0
39	50.3	42.6	63.8



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





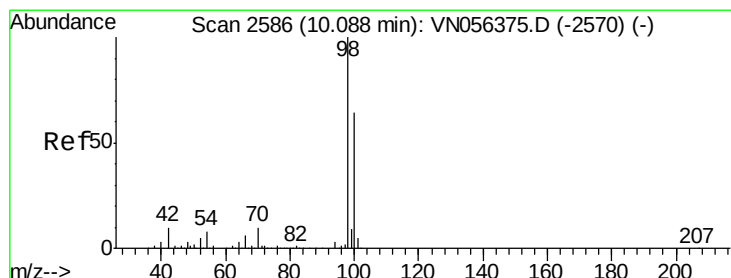
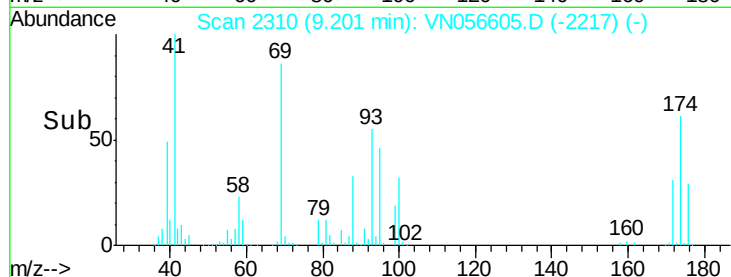
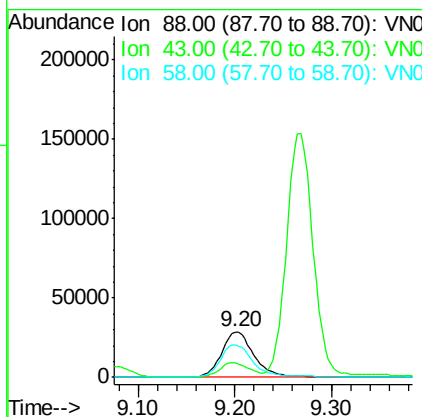
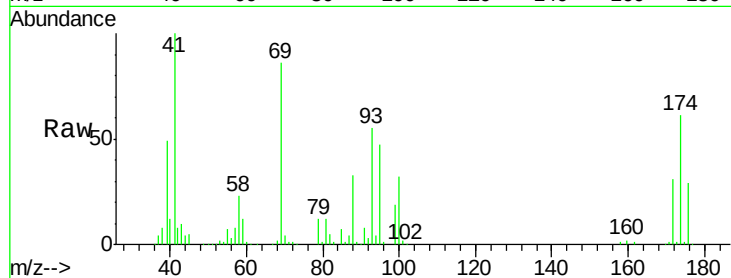
#49
 1,4-Dioxane
 Concen: 1050.681 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	67285
Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.0	33.0
58	70.4	51.8	77.8

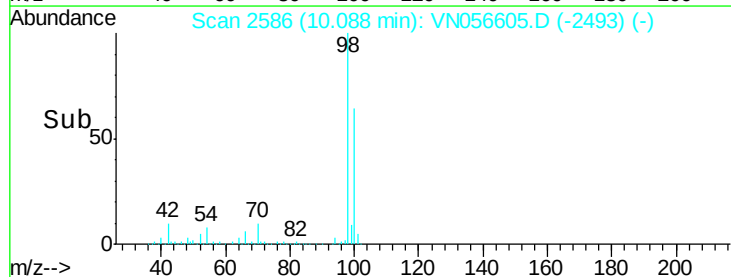
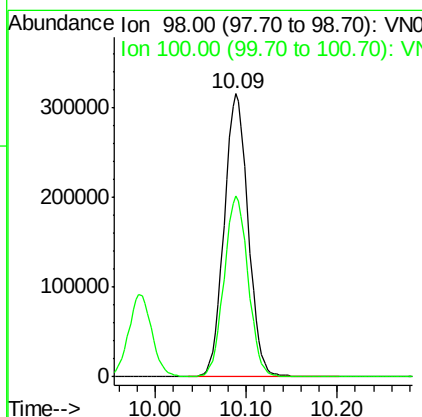
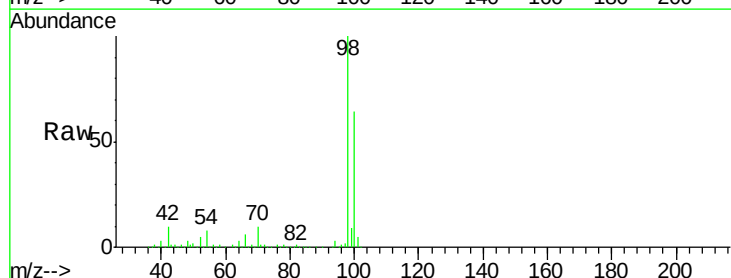
Manual Integrations
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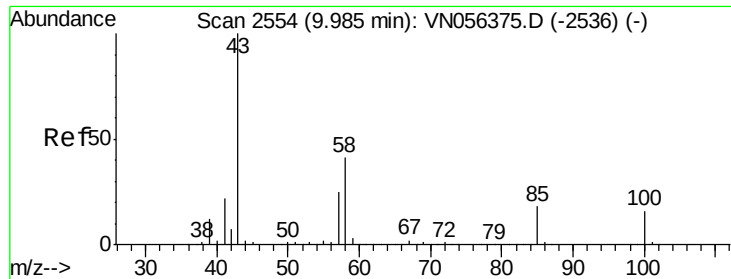
MMDadoda
 7/9/2019 9:46:37 AM



#50
 Toluene-d8
 Concen: 51.556 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion	98	Resp	577790
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 277.275 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1102061

Ion Ratio Lower Upper

43 100

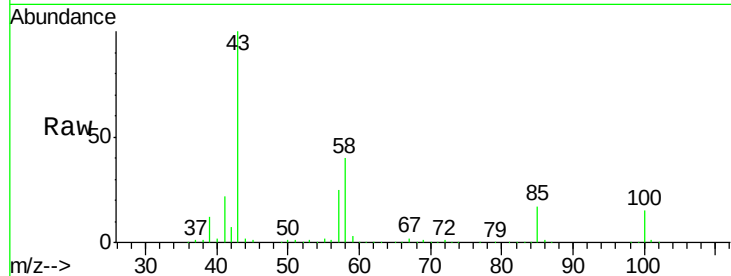
58 39.7 31.8 47.8

Manual Integrations

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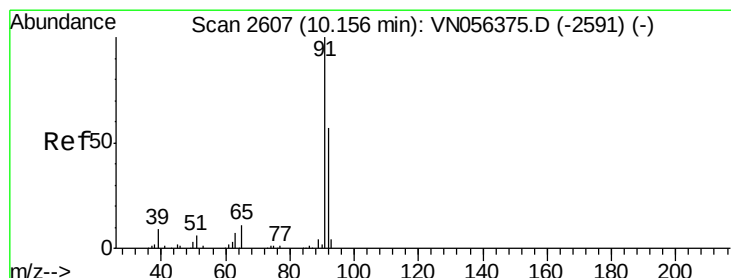
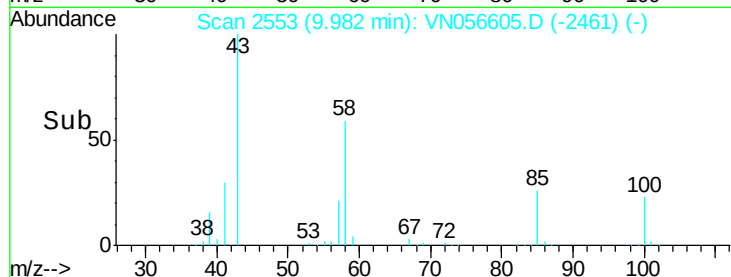
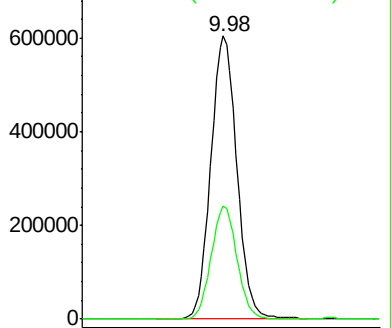
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.931 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056605.D

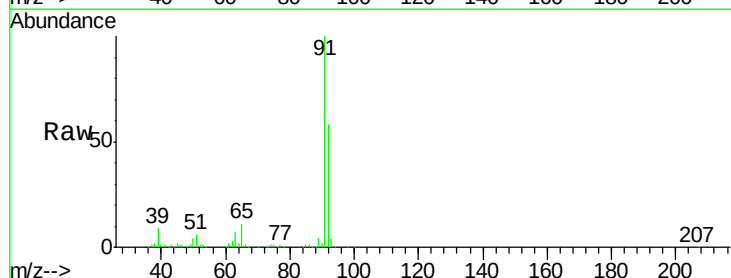
Acq: 8 Jul 2019 12:54

Tgt Ion: 92 Resp: 389229

Ion Ratio Lower Upper

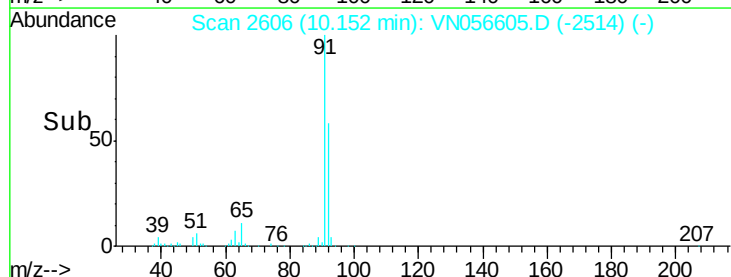
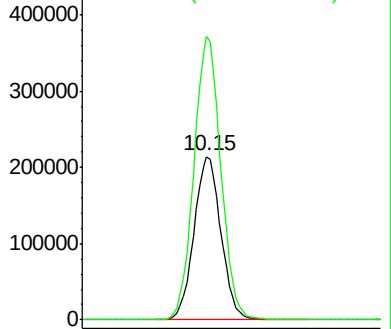
92 100

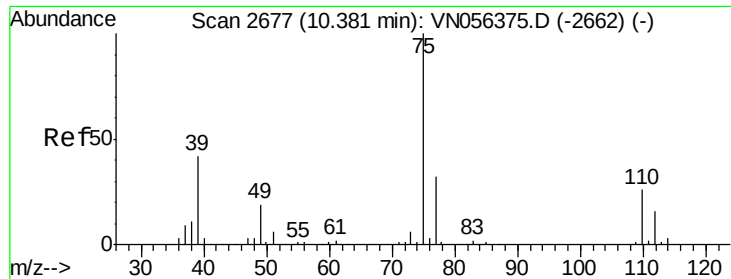
91 173.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





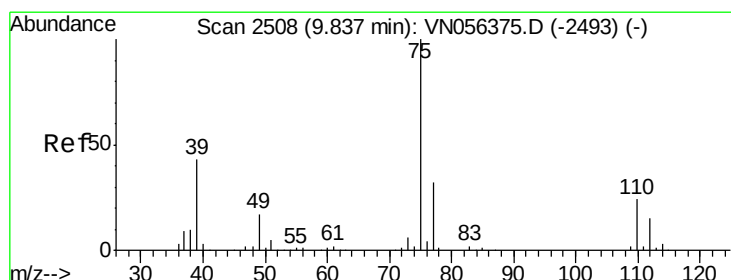
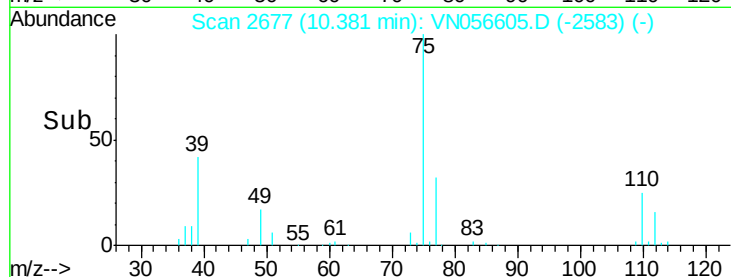
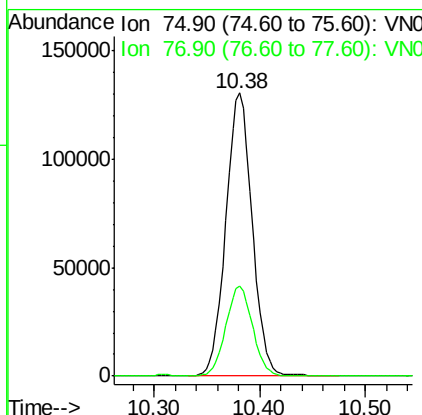
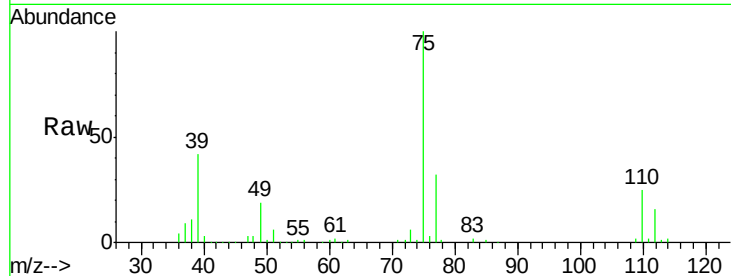
#53
t-1,3-Dichloropropene
Concen: 52.055 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 225444
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

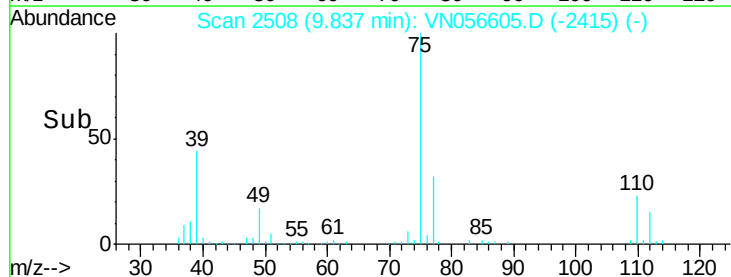
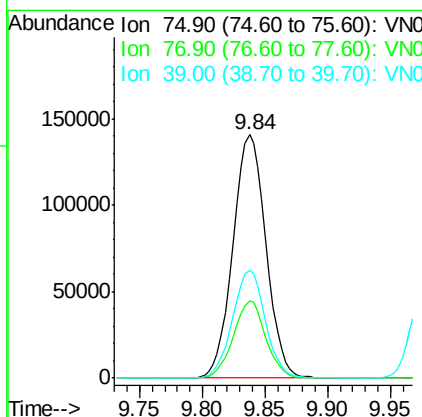
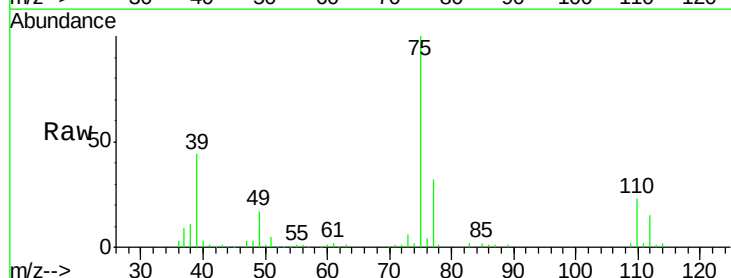
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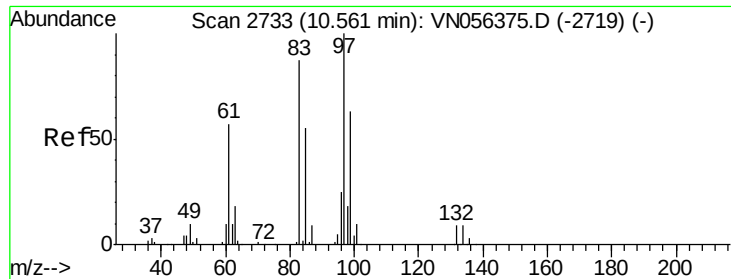
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#54
cis-1,3-Dichloropropene
Concen: 57.711 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion: 75 Resp: 257794
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 44.1 34.2 51.4





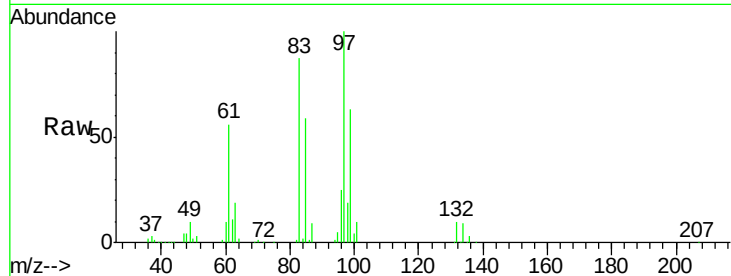
#55
 1,1,2-Trichloroethane
 Concen: 53.481 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

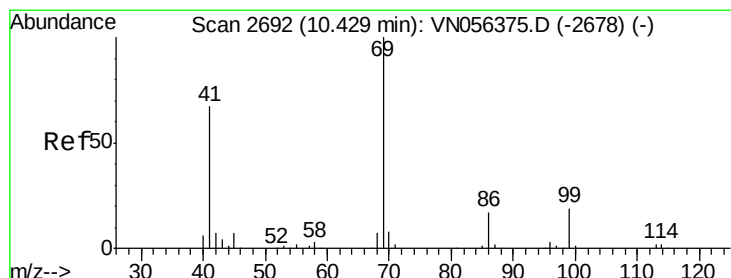
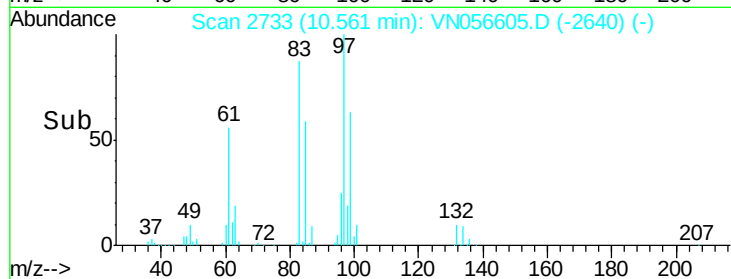
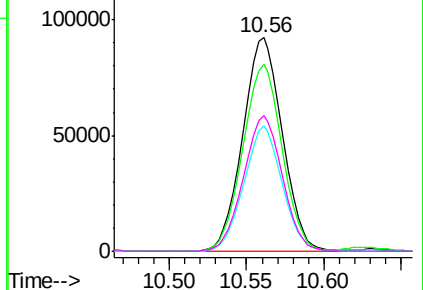
Tot Ion:	97	Resp:	164286
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.8	104.6
85	58.6	43.8	65.8
99	63.4	50.2	75.2

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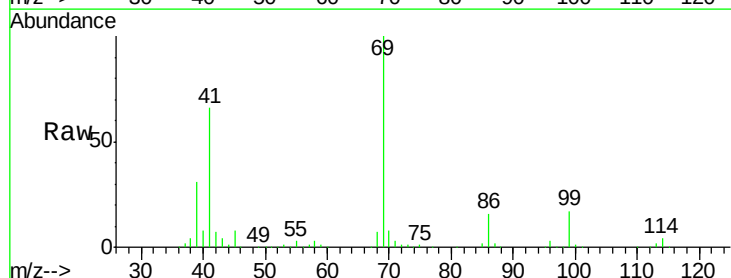


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

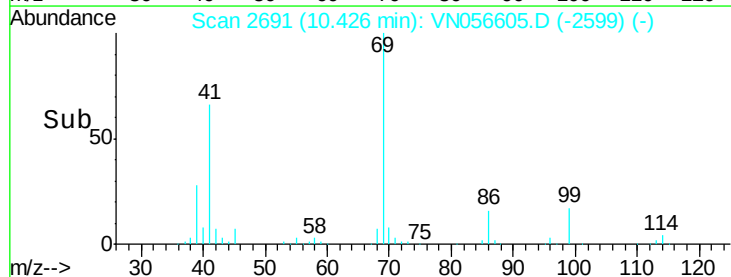
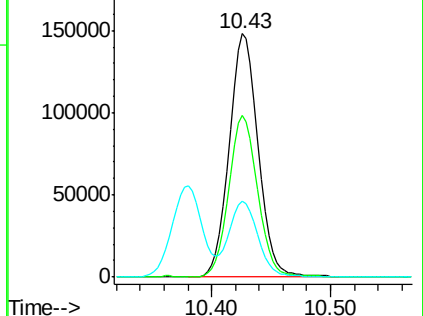


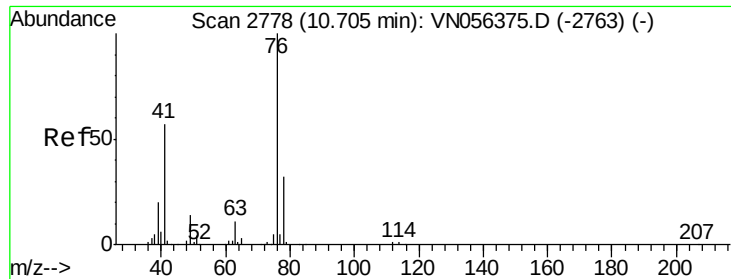
#56
 Ethyl methacrylate
 Concen: 55.602 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion:	69	Resp:	249613
Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.4	77.2
39	31.6	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





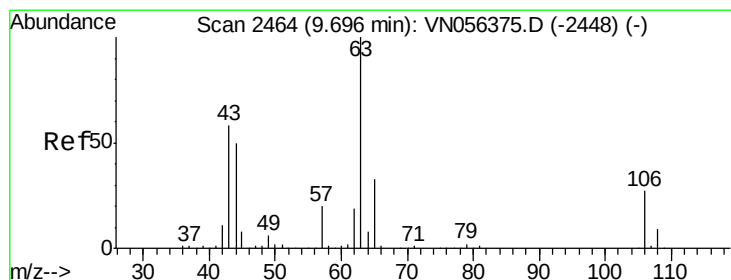
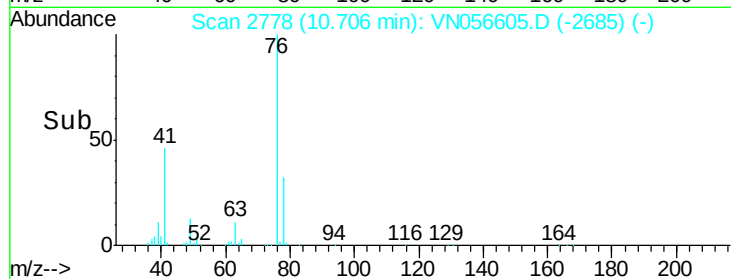
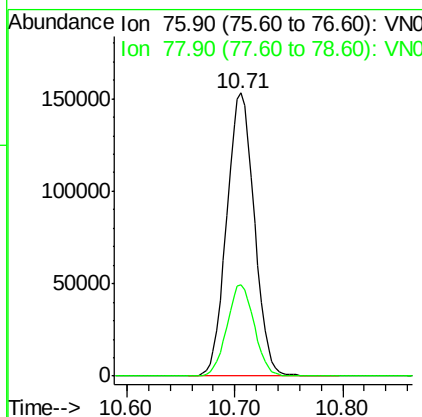
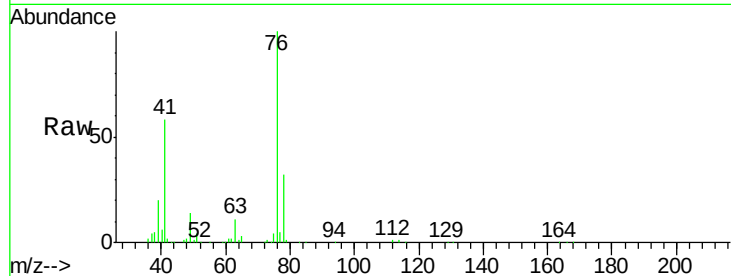
#57
 1,3-Dichloropropane
 Concen: 53.122 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

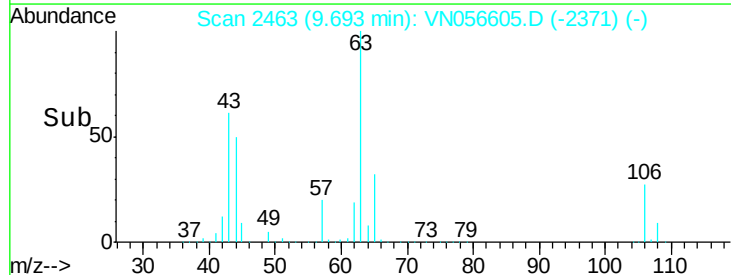
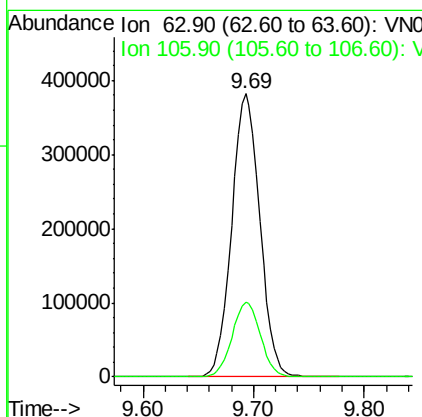
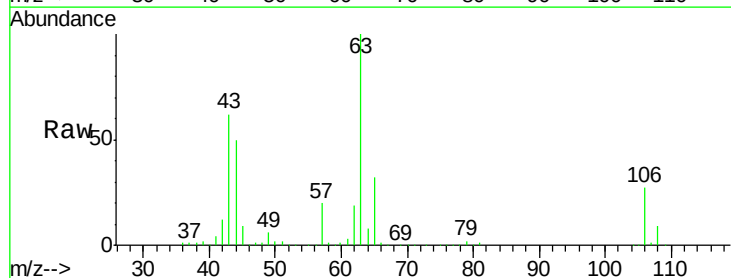
Manual Integrations
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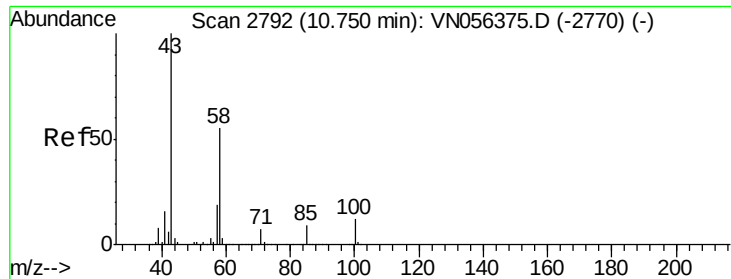
MMDadoda
 7/9/2019 9:46:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 419.458 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4





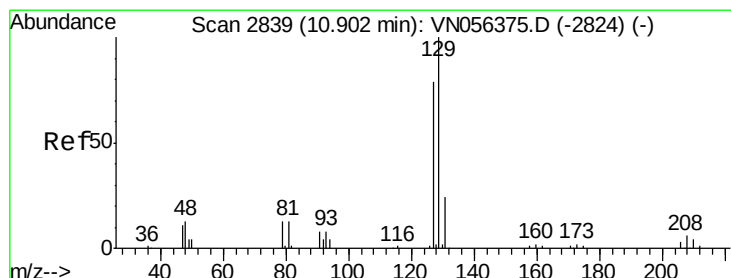
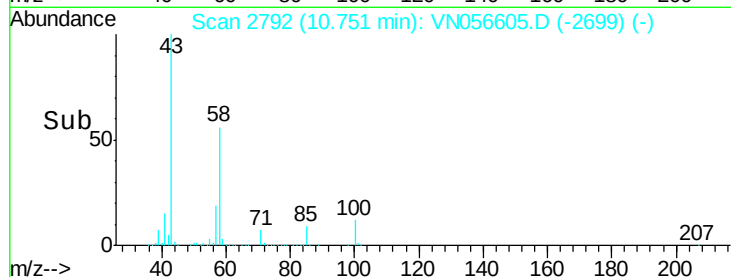
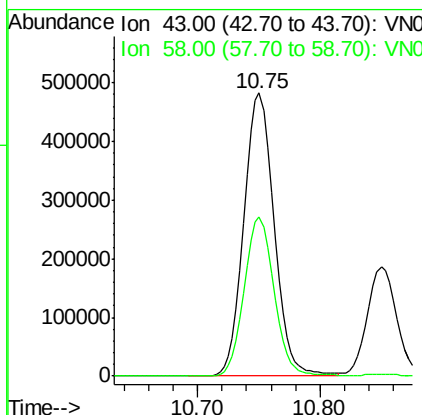
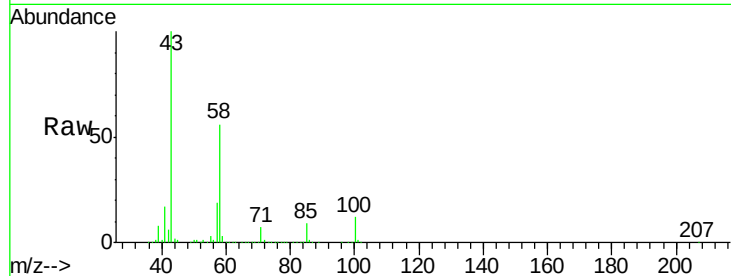
#59
2-Hexanone
Concen: 281.749 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 823047
Ion Ratio Lower Upper
43 100
58 55.9 27.8 83.4

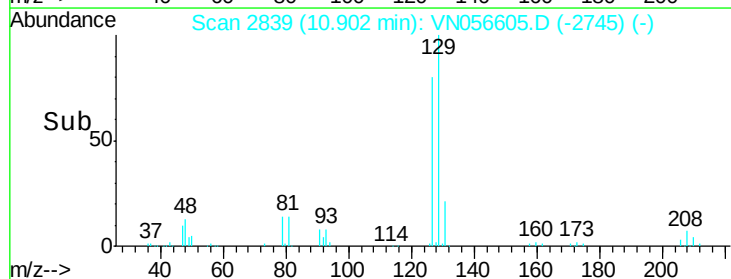
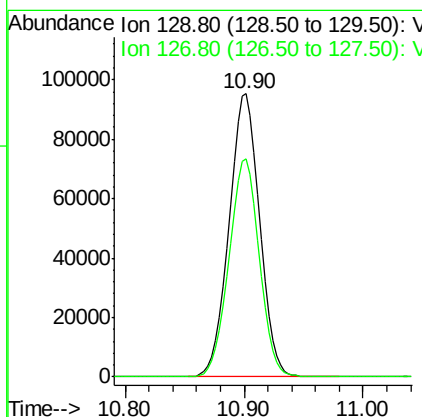
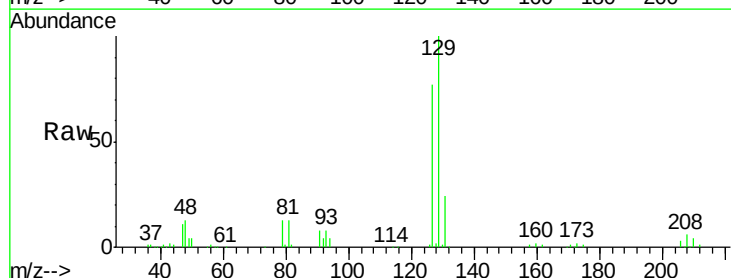
Manual Integrations
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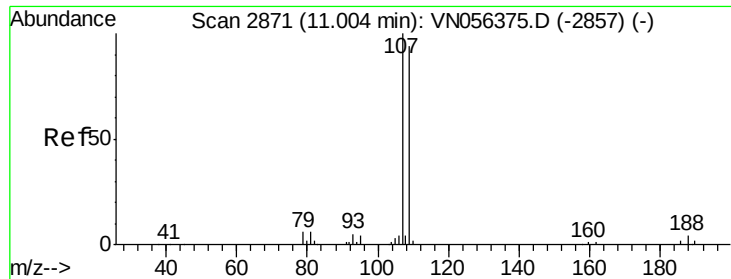
MMDadoda
7/9/2019 9:46:37 AM



#60
Dibromochloromethane
Concen: 53.472 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion: 129 Resp: 169383
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





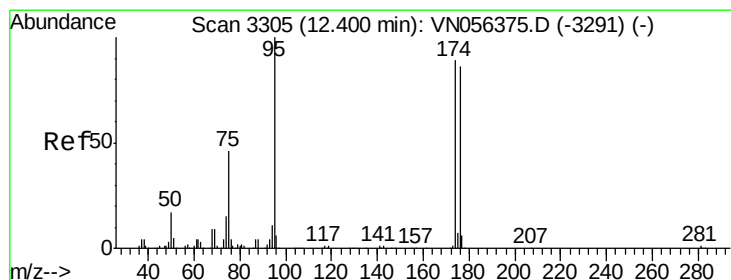
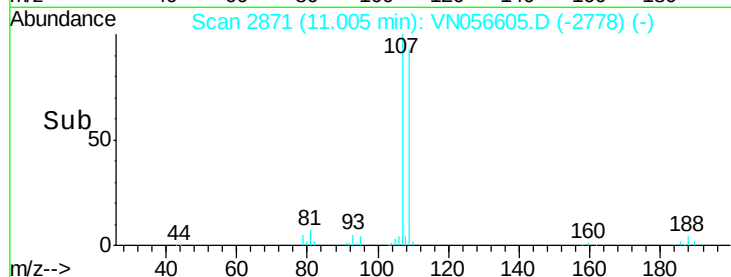
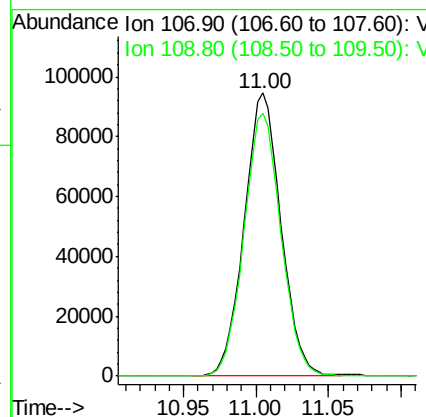
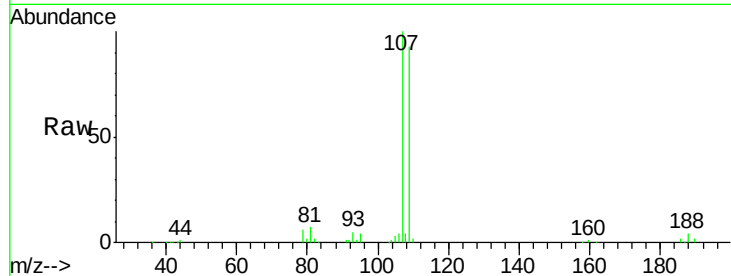
#61
 1,2-Dibromoethane
 Concen: 53.177 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

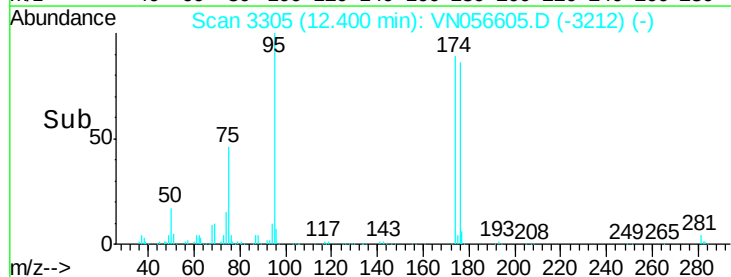
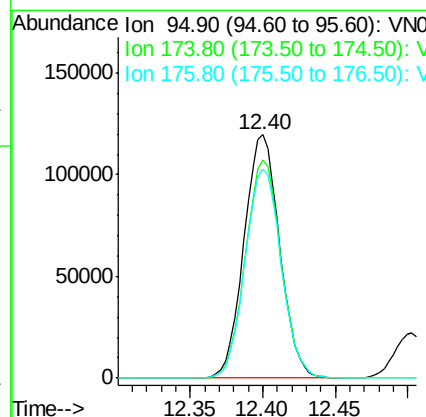
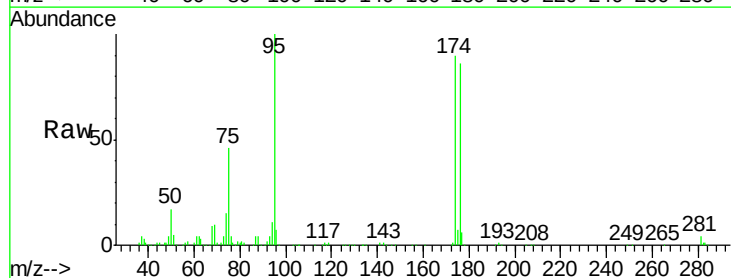
Manual Integrations
 APPROVED

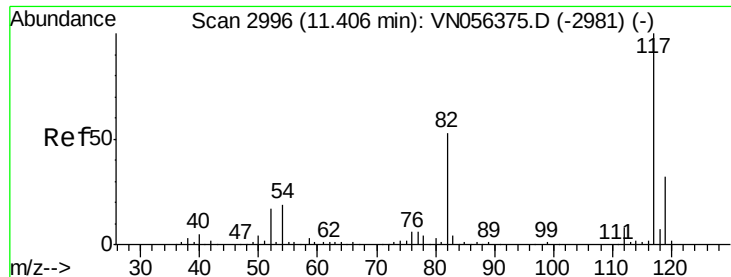
MMDadoda
 7/9/2019 9:46:37 AM



#62
 4-Bromofluorobenzene
 Concen: 54.782 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	179.4
176	87.0	0.0	173.4





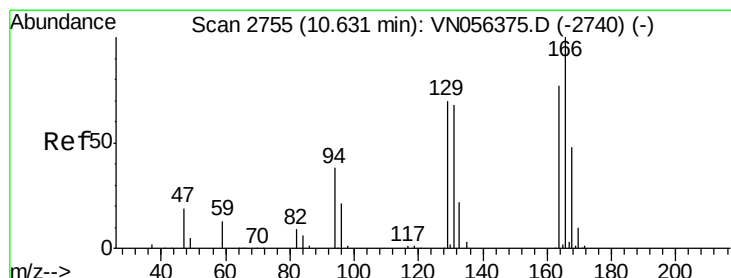
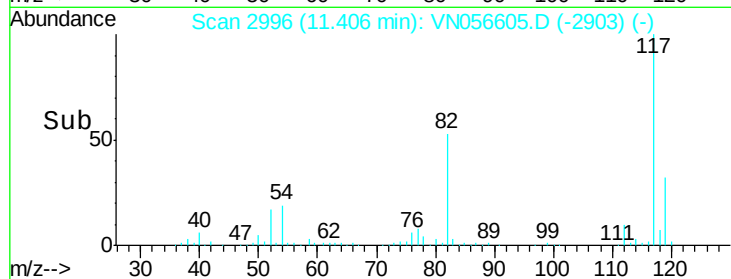
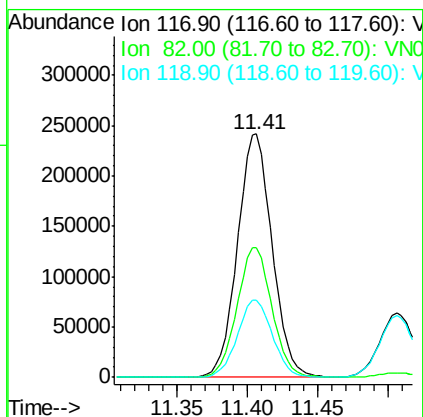
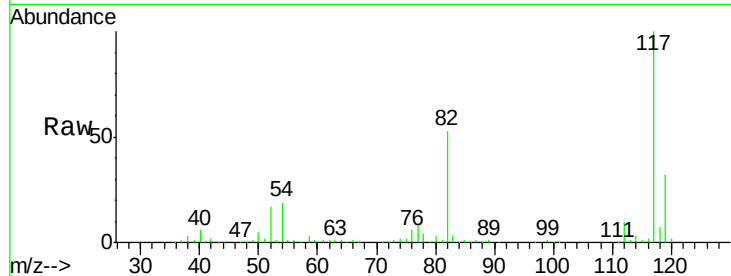
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.0	63.0
119	31.5	25.3	37.9

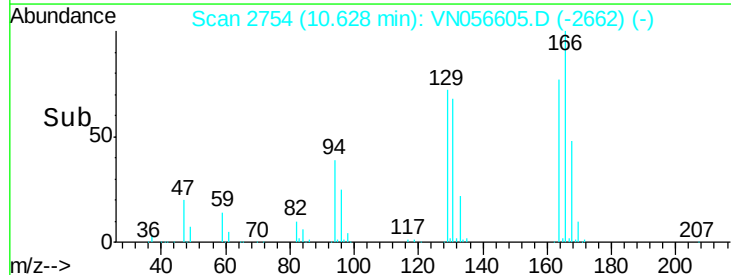
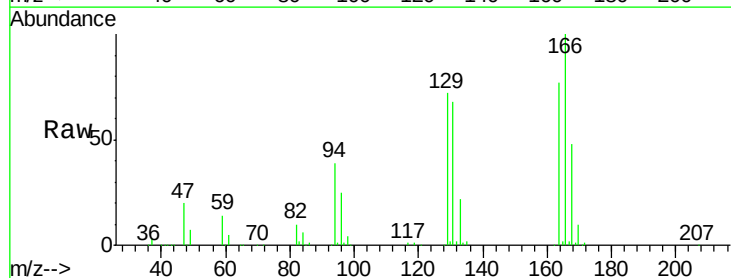
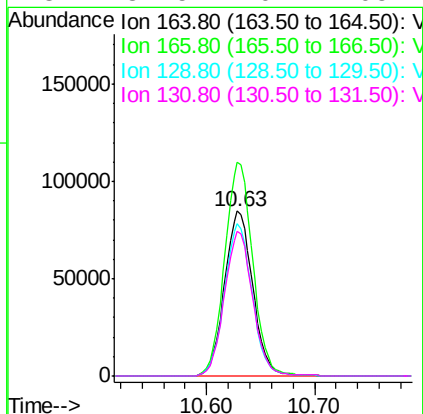
Manual Integrations
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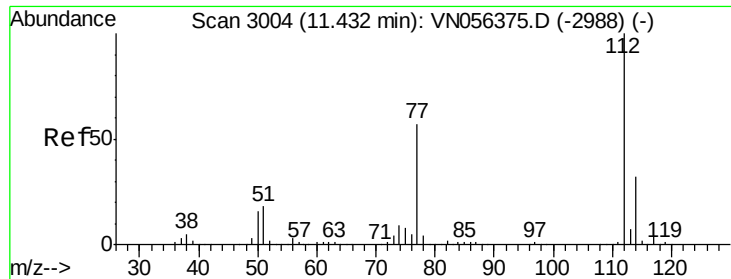
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#64
Tetrachloroethene
Concen: 46.721 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.4	155.0
129	92.6	72.0	108.0
131	87.5	70.2	105.2





#65

Chlorobenzene

Concen: 50.299 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 421140

Ion Ratio Lower Upper

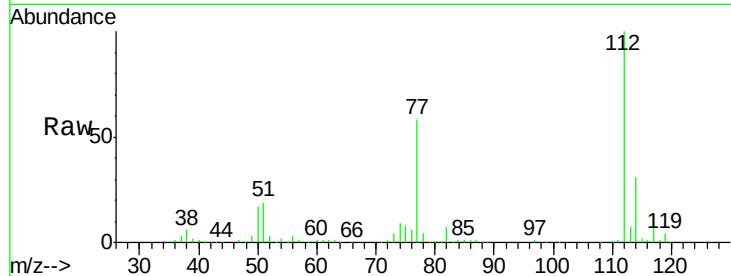
112 100

114 31.1 25.4 38.2

Manual Integrations
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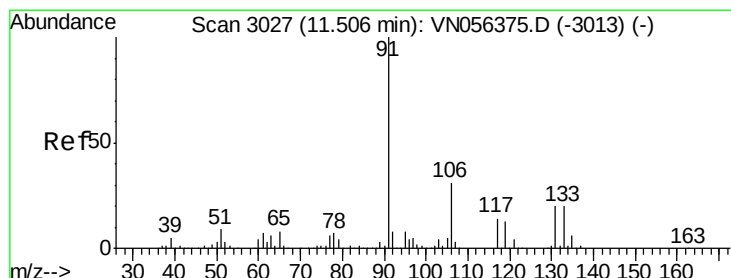
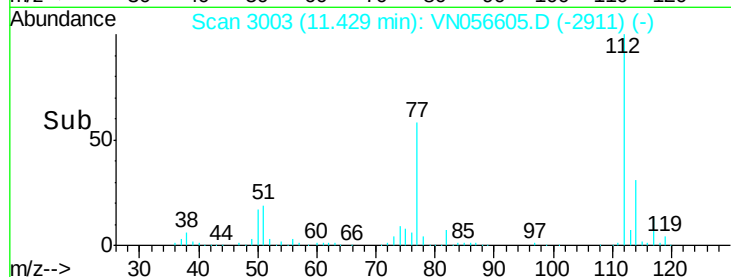
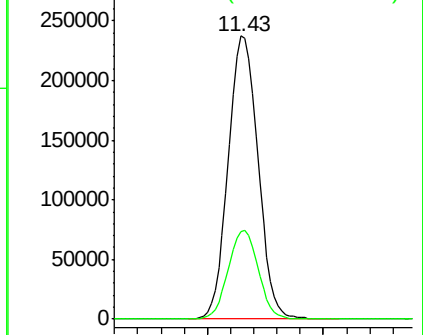
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.820 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

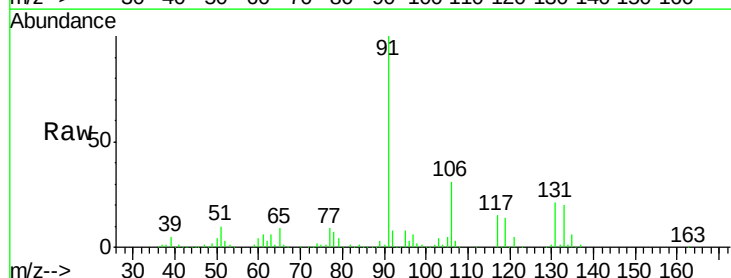
Tgt Ion:131 Resp: 157959

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

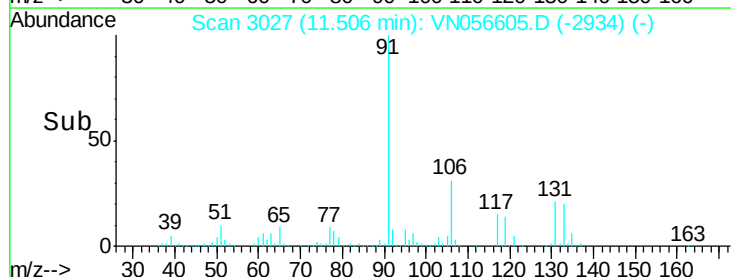
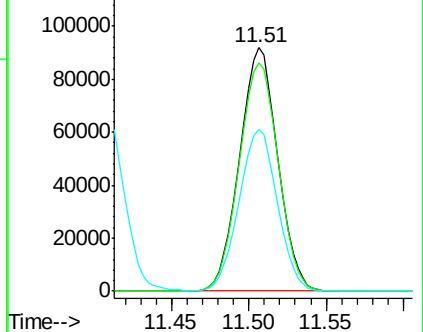
119 66.8 32.8 98.4

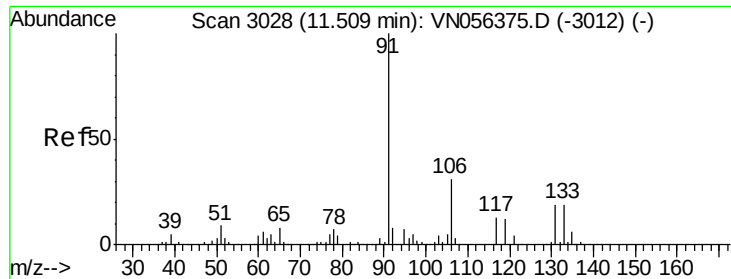


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





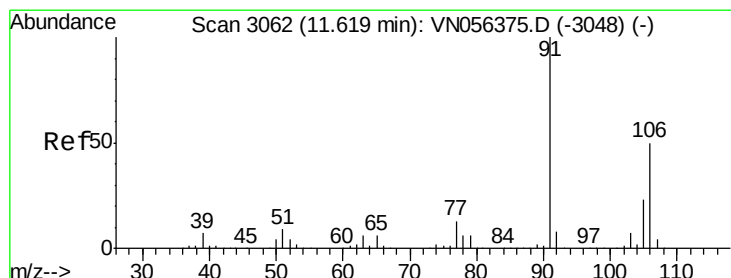
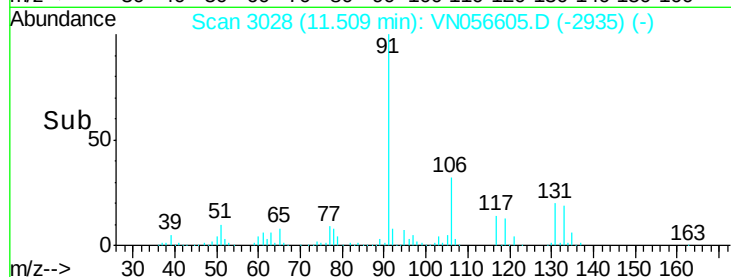
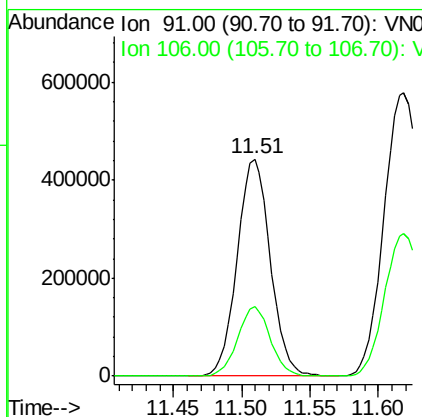
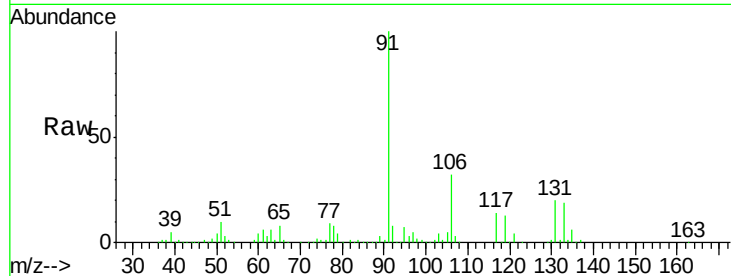
#67
Ethyl Benzene
Concen: 50.842 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 747447
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

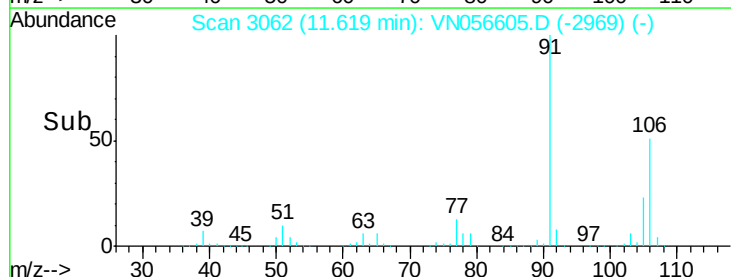
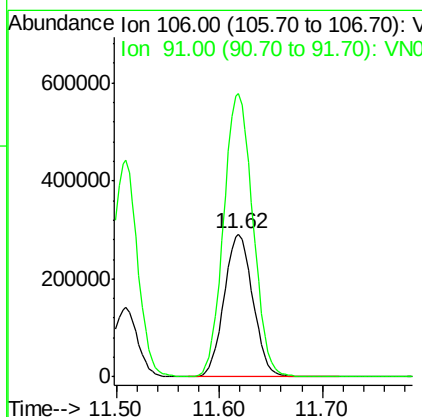
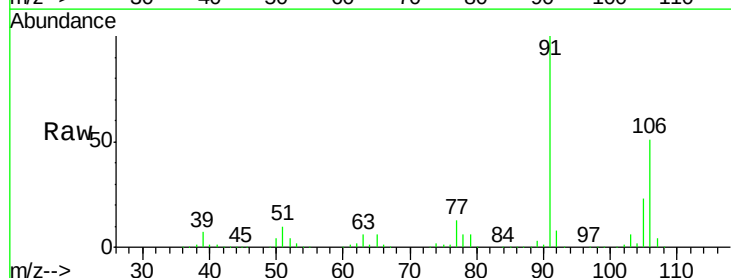
Manual Integrations
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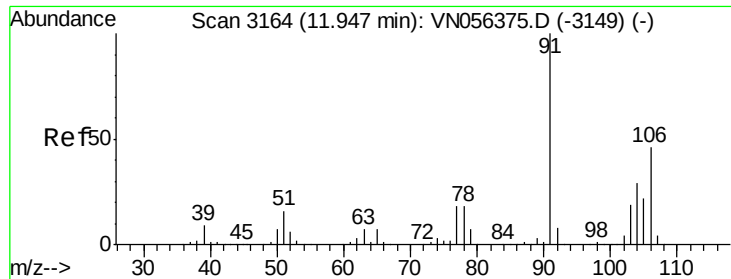
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#68
m/p-Xylenes
Concen: 105.398 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion: 106 Resp: 567858
Ion Ratio Lower Upper
106 100
91 201.2 160.1 240.1





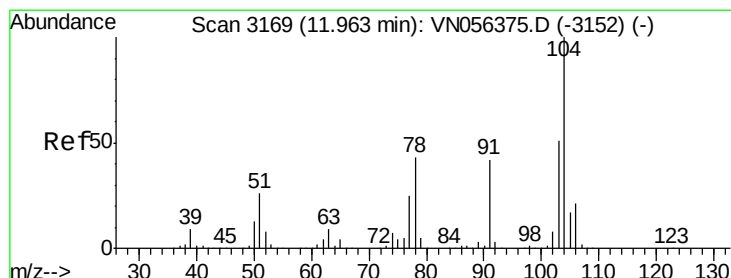
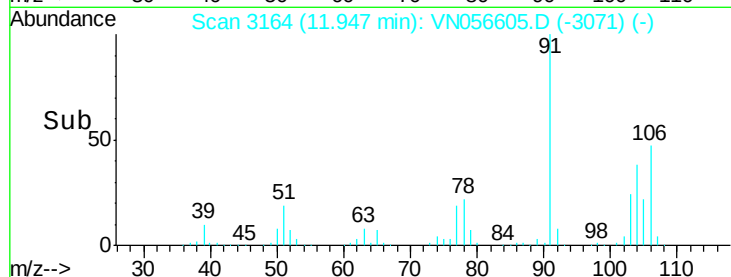
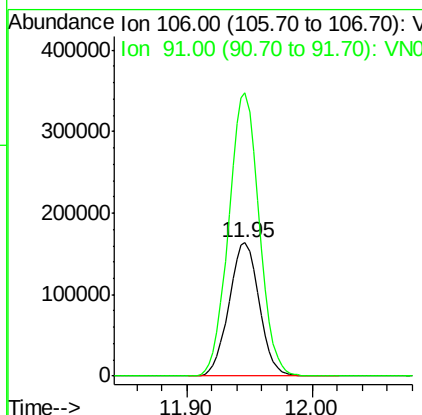
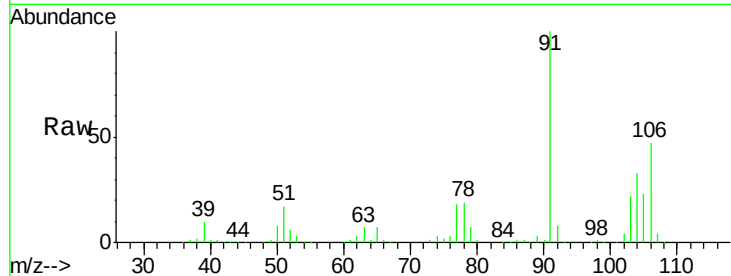
#69
o-Xylene
Concen: 51.547 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 274762
Ion Ratio Lower Upper
106 100
91 213.1 107.1 321.3

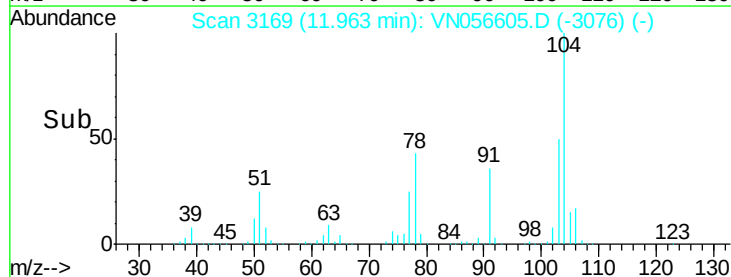
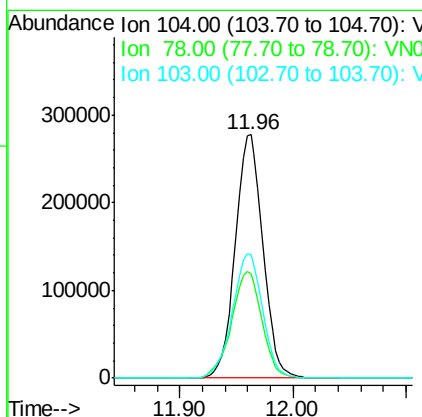
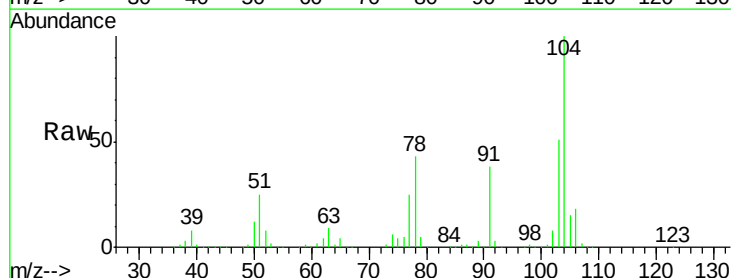
Manual Integrations
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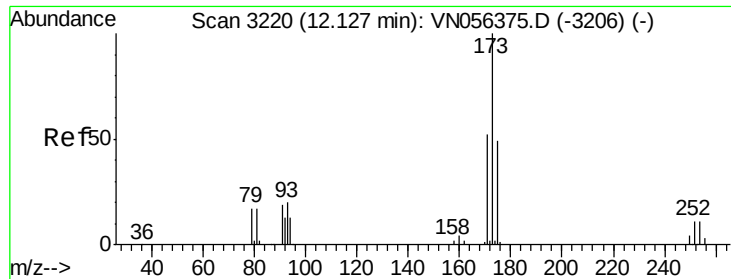
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#70
Styrene
Concen: 55.494 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion:104 Resp: 472808
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.8 43.9 65.9





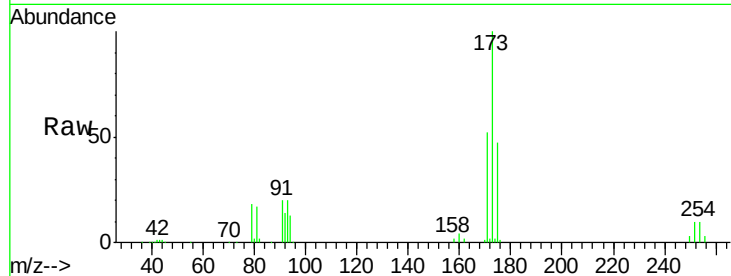
#71
Bromoform
Concen: 53.859 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

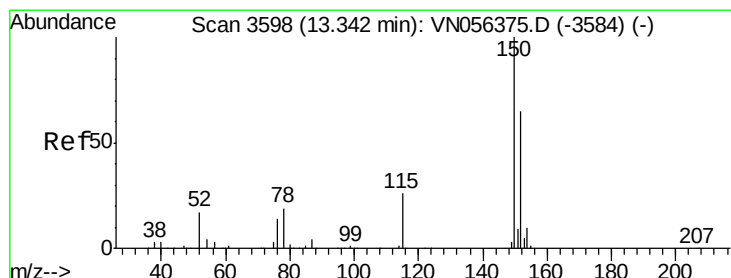
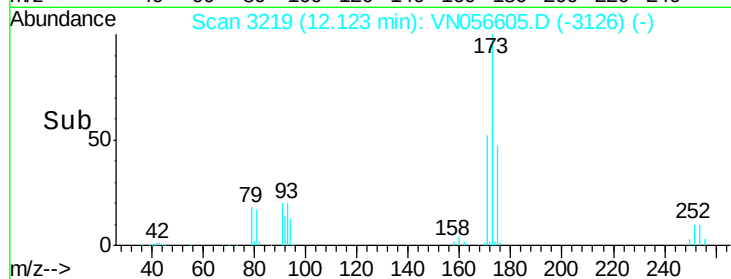
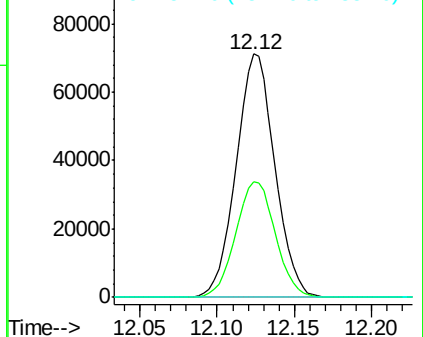
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.0	0.0	0.0

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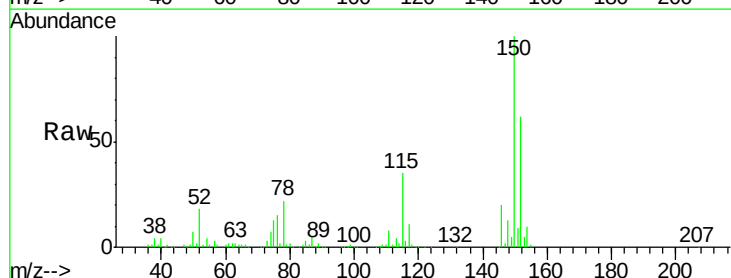


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

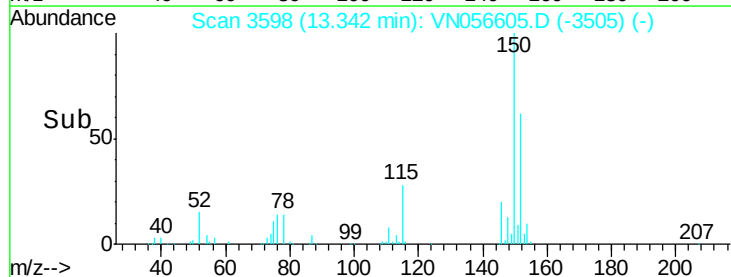
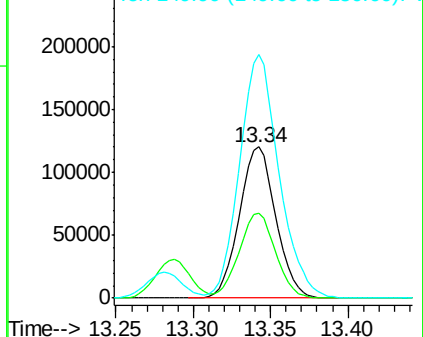


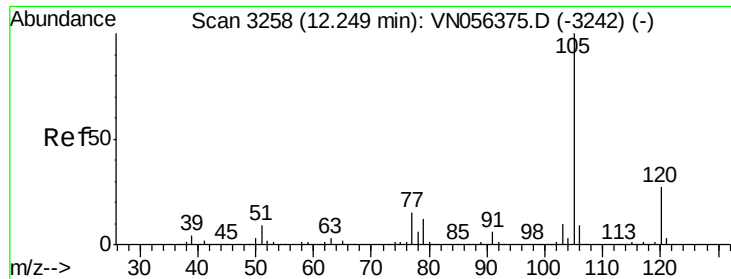
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.4
150	174.9	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: 50.001 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 738367

Ion Ratio Lower Upper

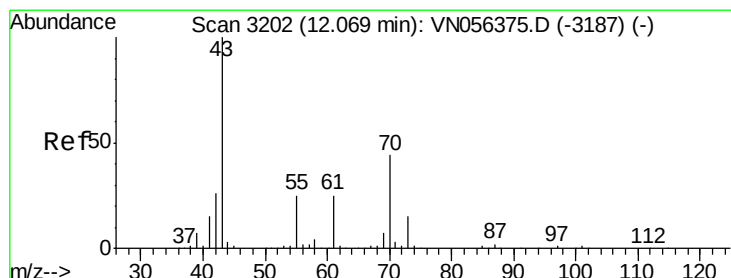
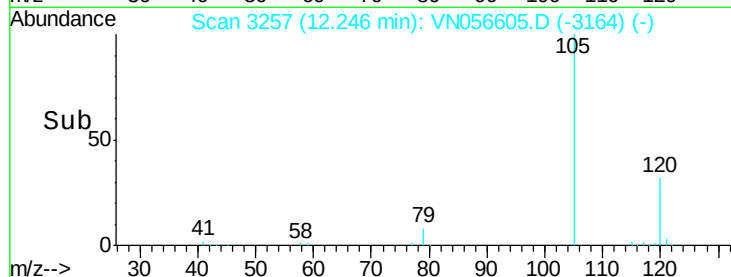
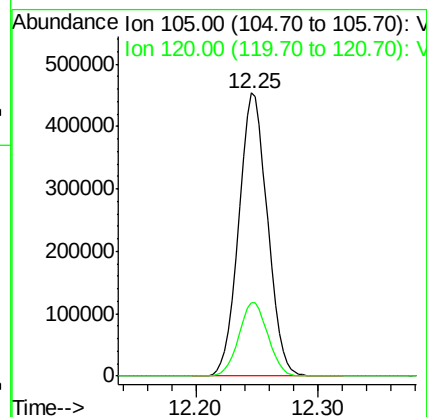
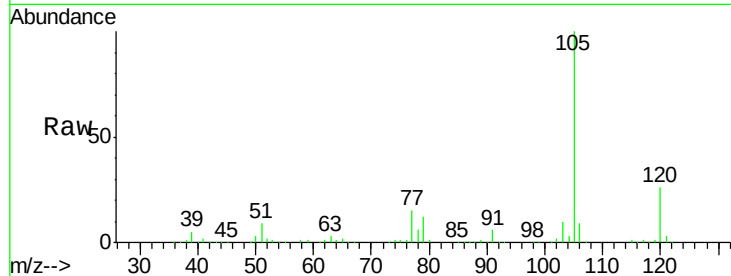
105 100

120 26.3 13.4 40.2

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#74

N-ethyl acetate

Concen: 46.557 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion: 43 Resp: 291315

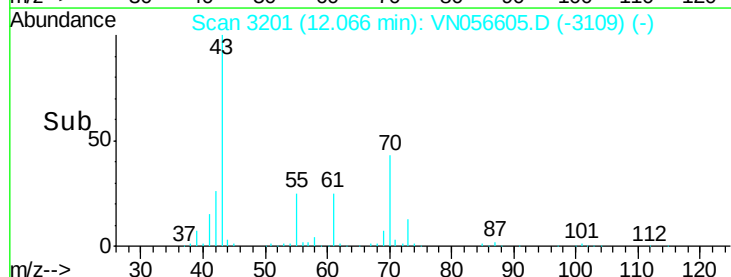
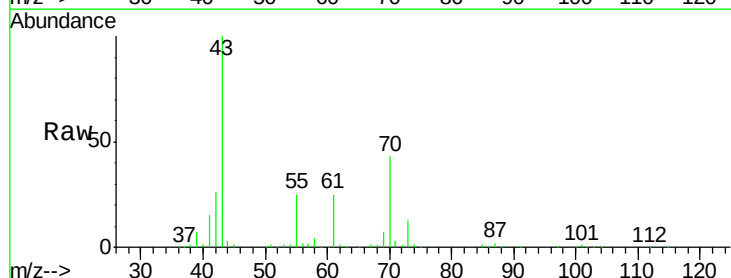
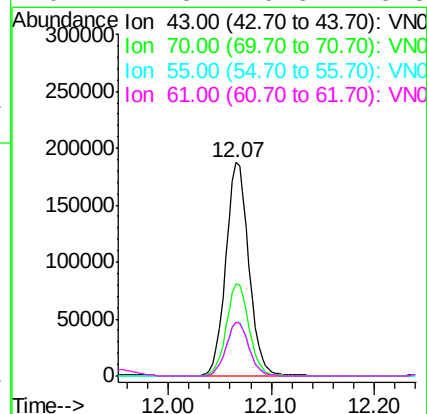
Ion Ratio Lower Upper

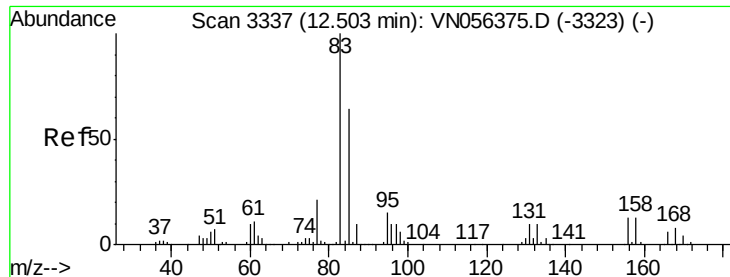
43 100

70 42.6 34.9 52.3

55 25.4 20.4 30.6

61 24.8 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.879 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

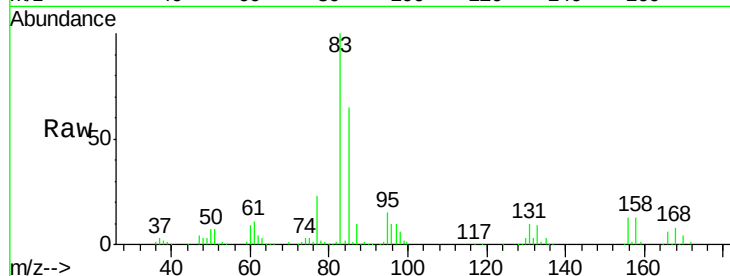
ClientSampleId :

VSTDCCC050

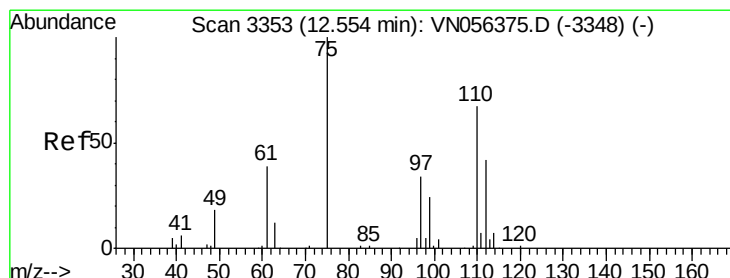
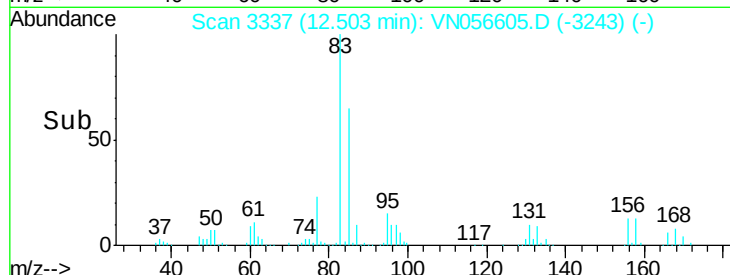
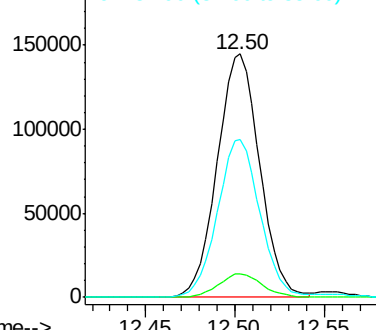
Tot Ion:	83	Resp:	240934
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.6	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN056605.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 49.955 ug/l m

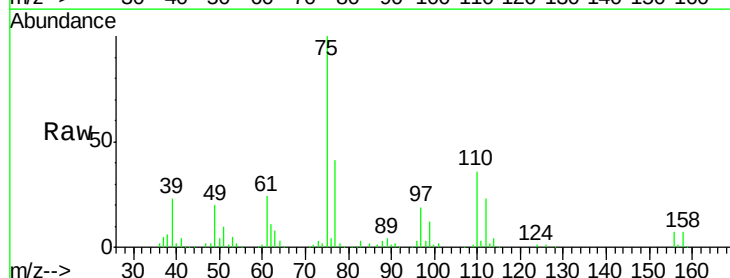
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

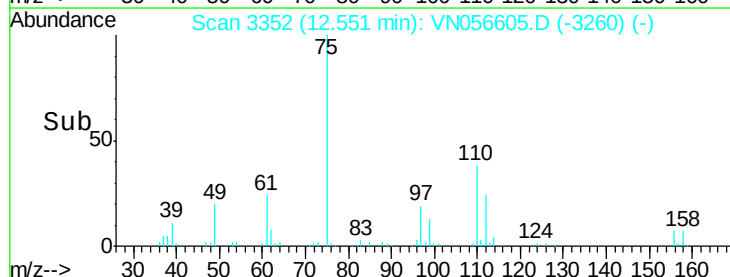
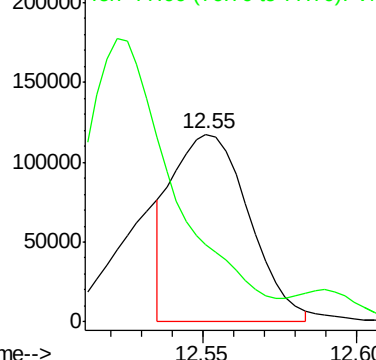
Lab File: VN056605.D

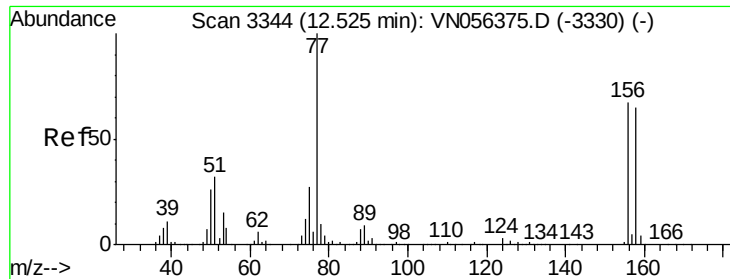
Acq: 8 Jul 2019 12:54

Tgt Ion:	75	Resp:	203650
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056605.D (-3260) (-)





#77

Bromobenzene

Concen: 43.814 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

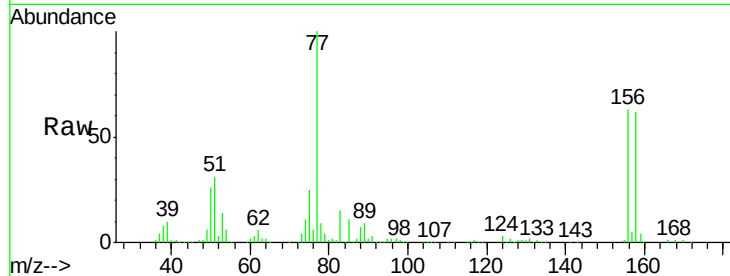
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.8	92.5	277.3
158	97.7	48.7	146.1

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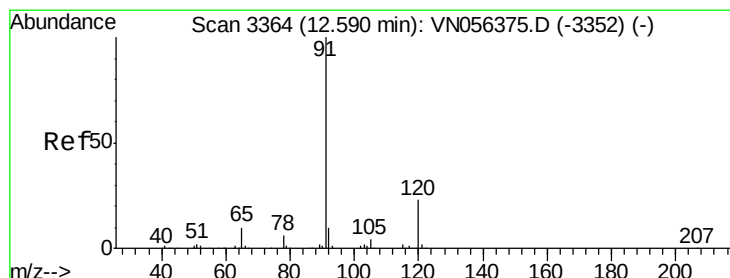
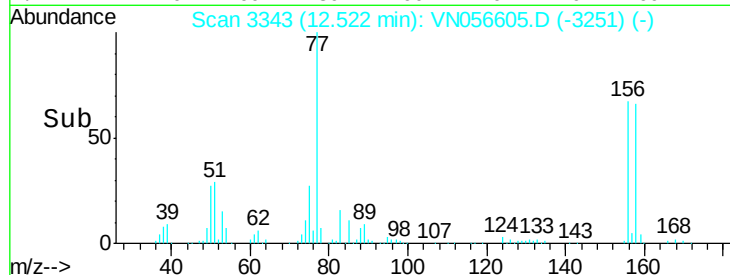
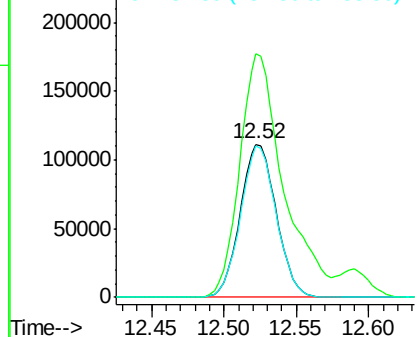
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7/9/2019 9:46:37 AM



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: 46.889 ug/l

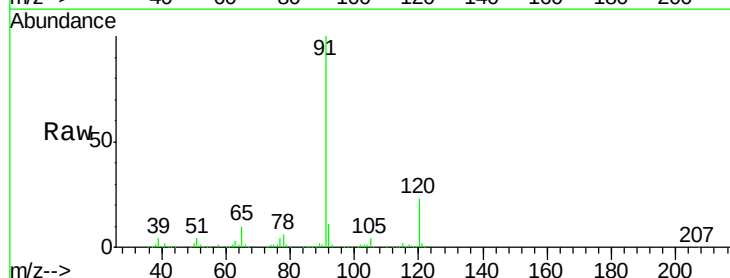
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056605.D

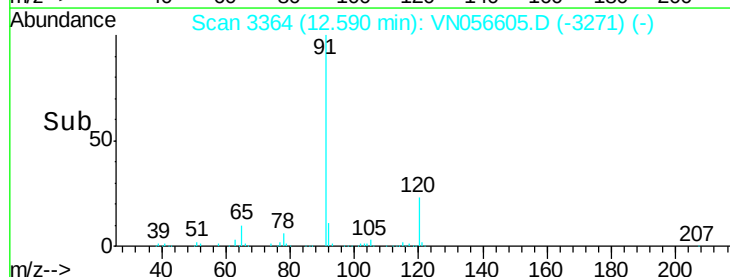
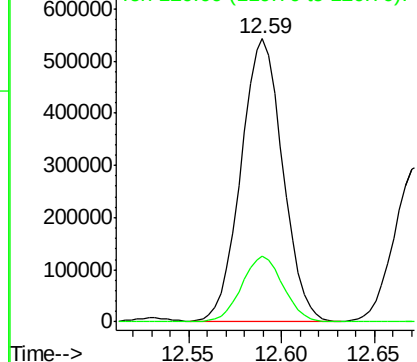
Acq: 8 Jul 2019 12:54

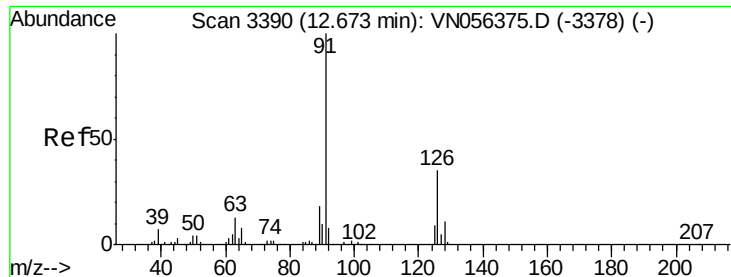
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.366 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 497059

Ion Ratio Lower Upper

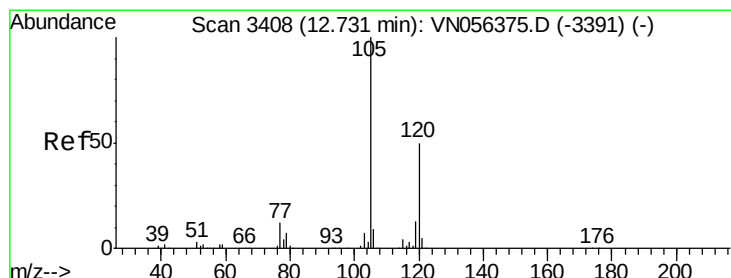
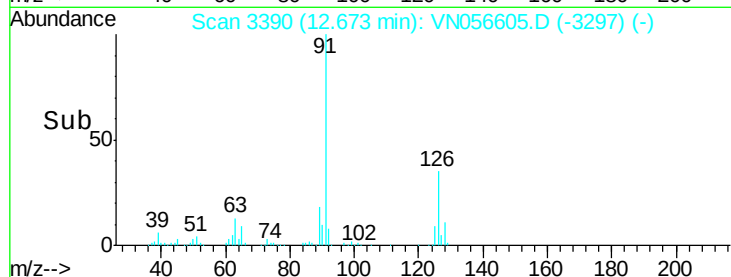
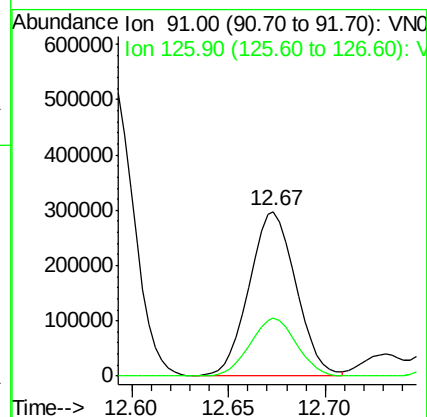
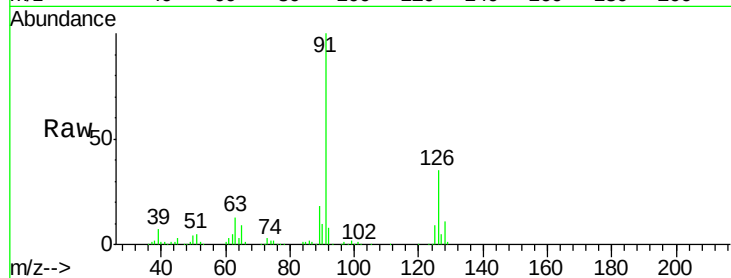
91 100

126 35.4 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 50.841 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056605.D

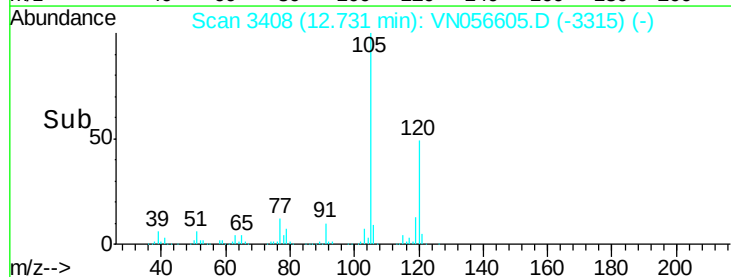
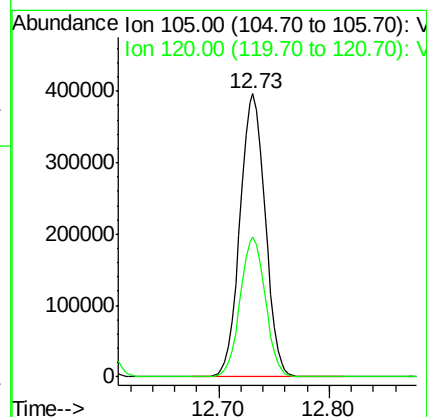
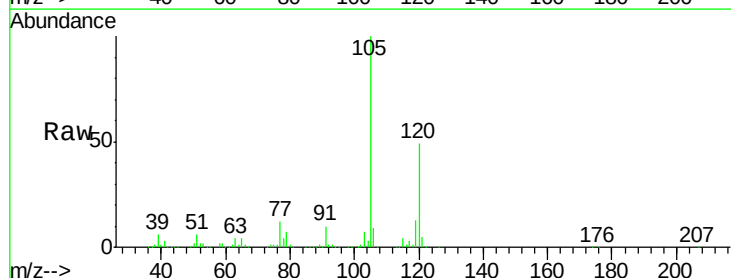
Acq: 8 Jul 2019 12:54

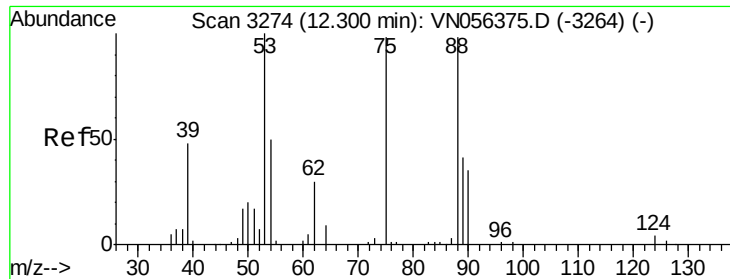
Tgt Ion: 105 Resp: 628592

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 60.789 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 69726

Ion Ratio Lower Upper

75 100

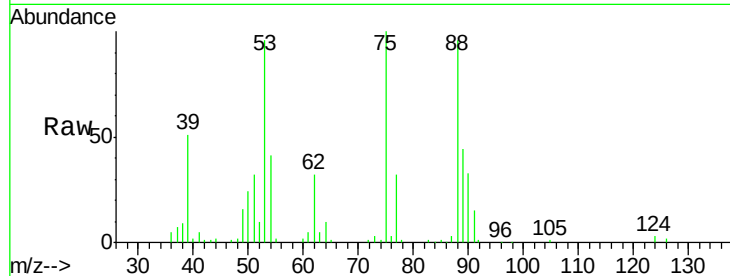
53 92.9 83.9 125.9

89 42.8 35.0 52.6

Manual Integrations
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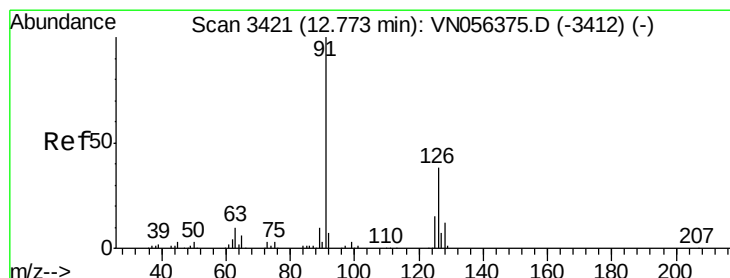
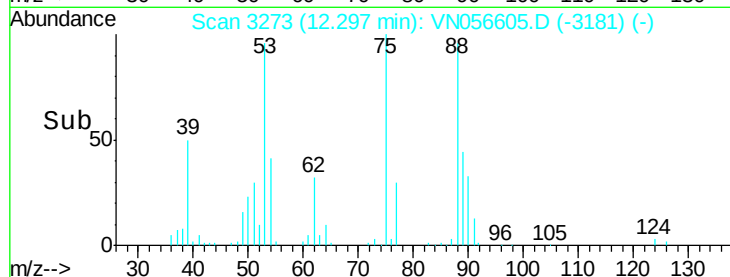
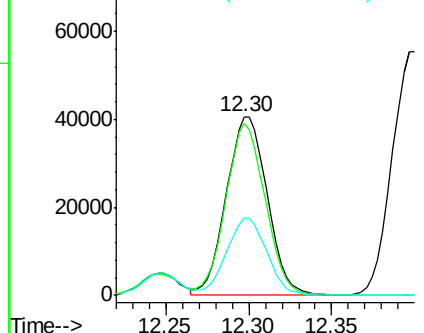
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.804 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056605.D

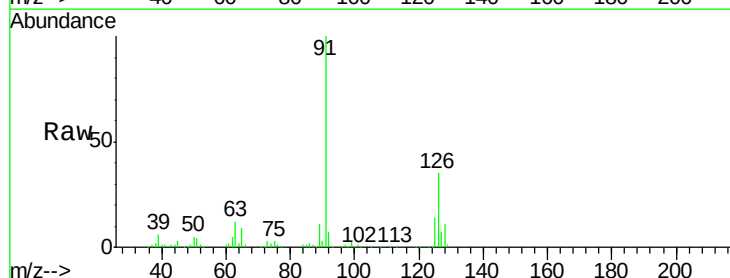
Acq: 8 Jul 2019 12:54

Tgt Ion: 91 Resp: 497556

Ion Ratio Lower Upper

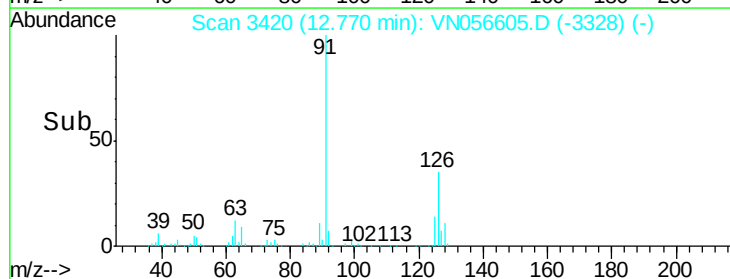
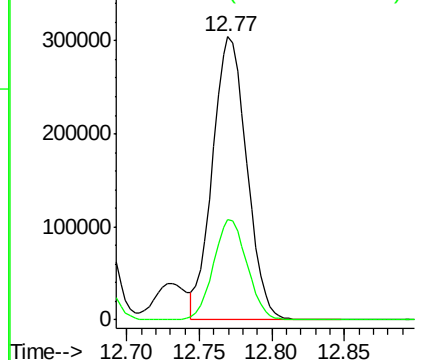
91 100

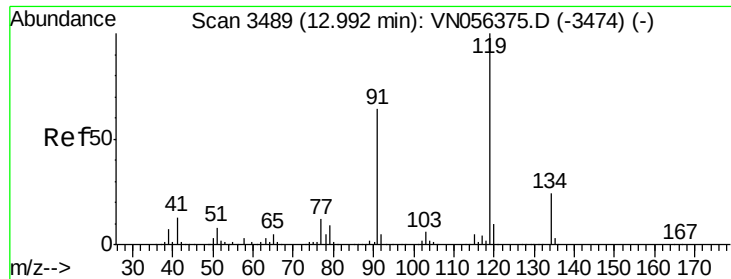
126 34.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





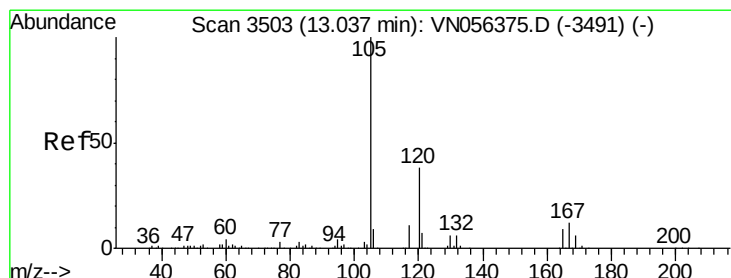
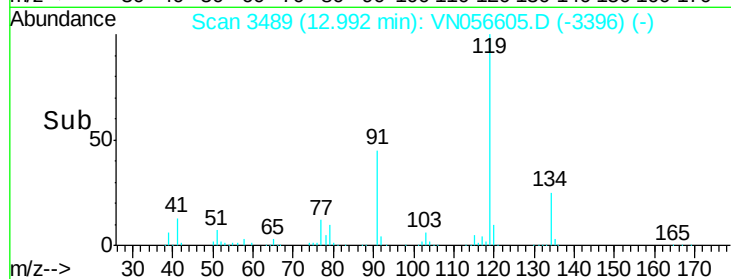
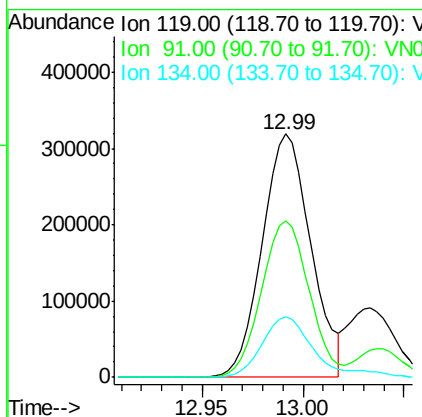
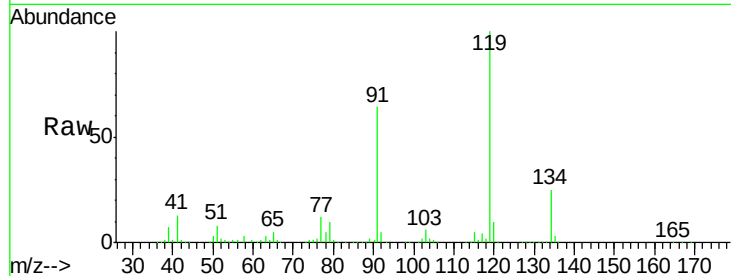
#83
 tert-Butylbenzene
 Concen: 49.795 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	536996		
91	63.1		31.6	94.7
134	26.8		13.2	39.5

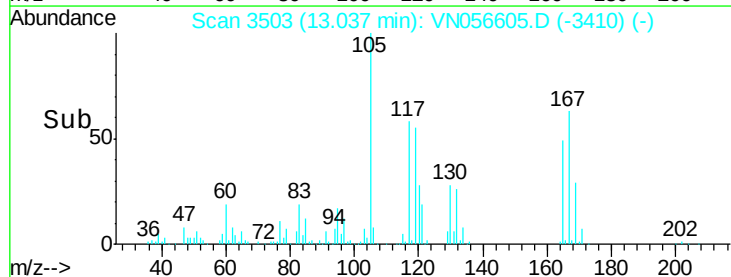
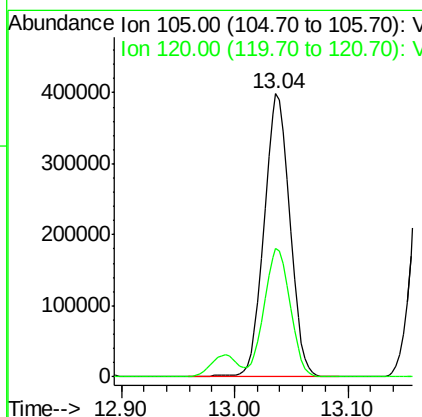
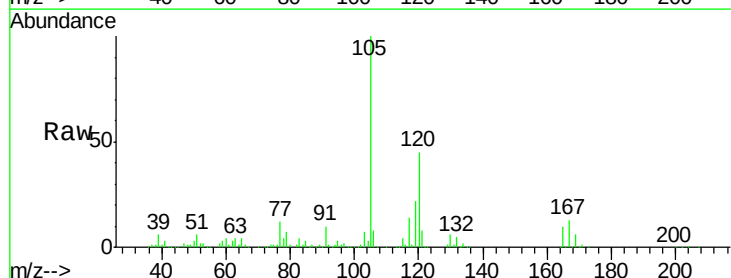
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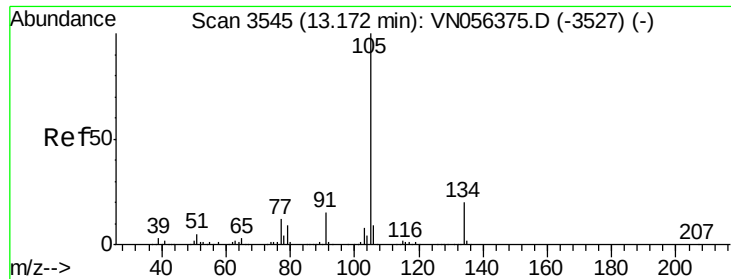
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.587 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	629834		
120	46.1		22.9	68.8





#85

sec-Butylbenzene

Concen: 45.768 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 724267

Ion Ratio Lower Upper

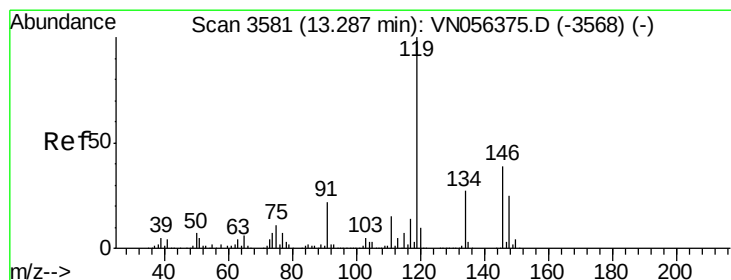
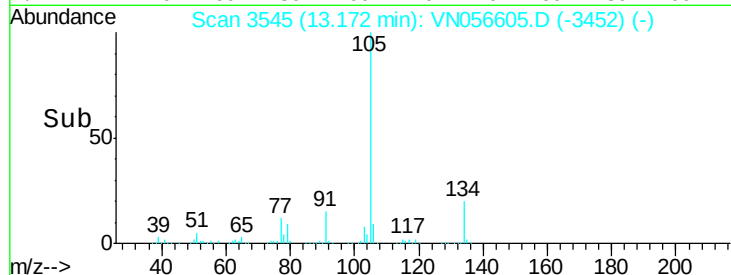
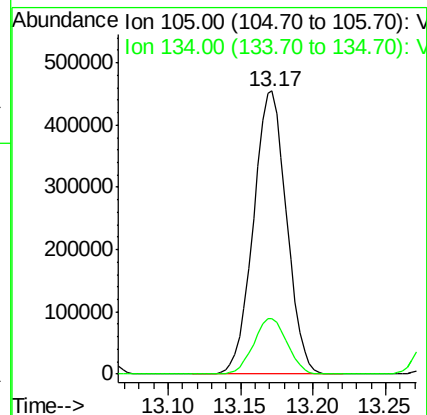
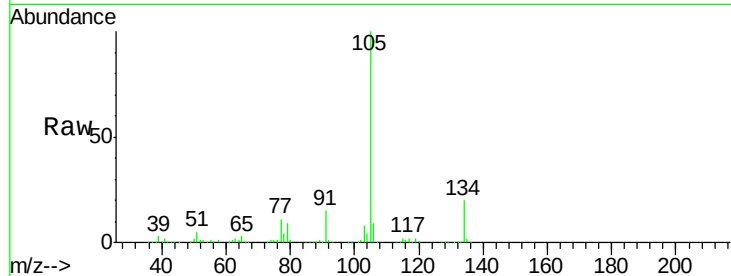
105 100

134 20.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 48.961 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

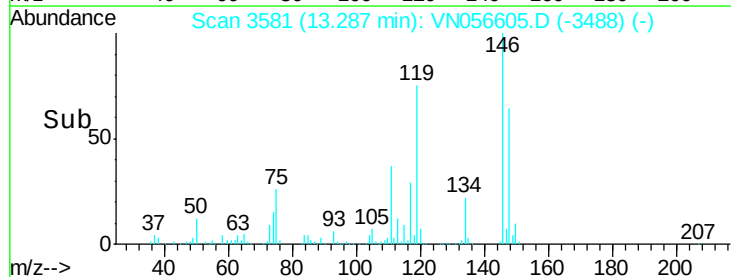
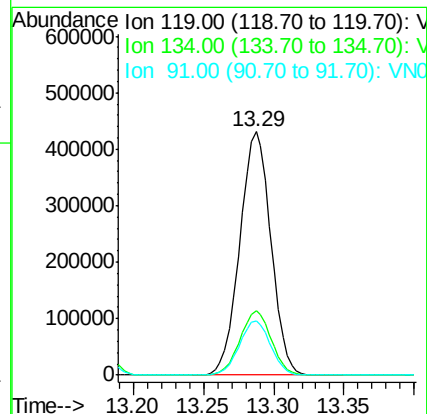
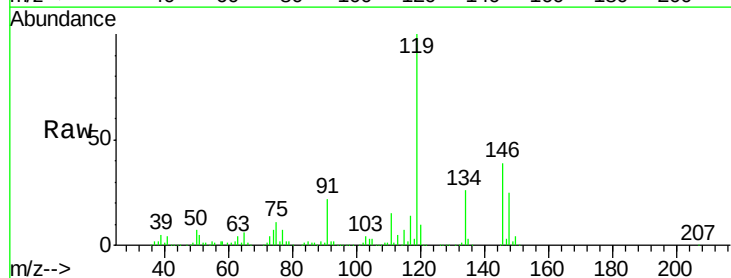
Tgt Ion:119 Resp: 664940

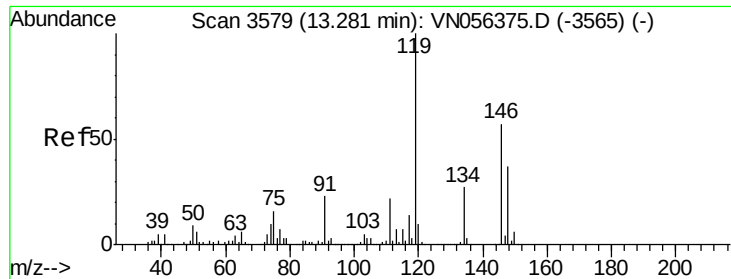
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 49.783 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

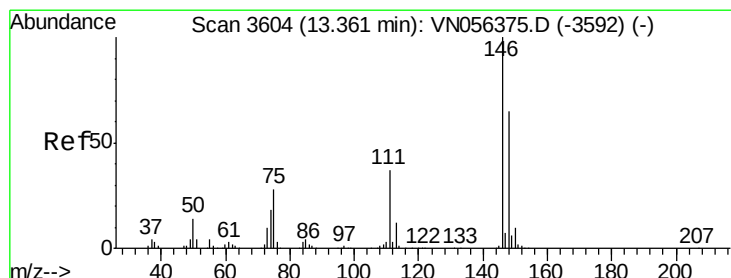
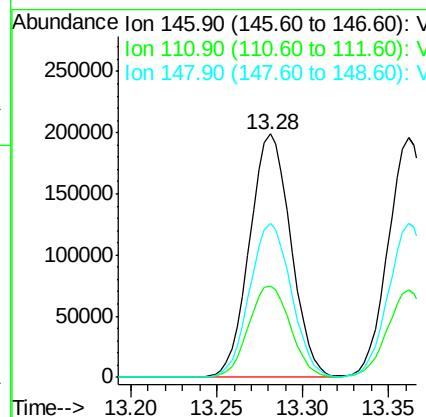
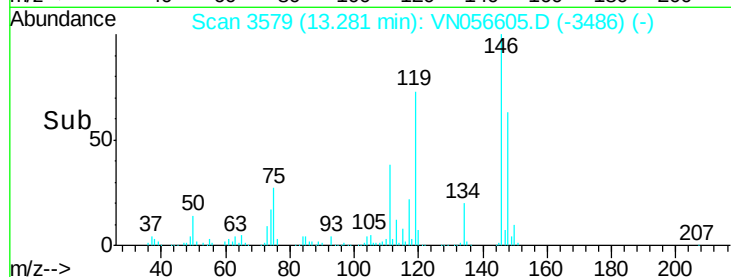
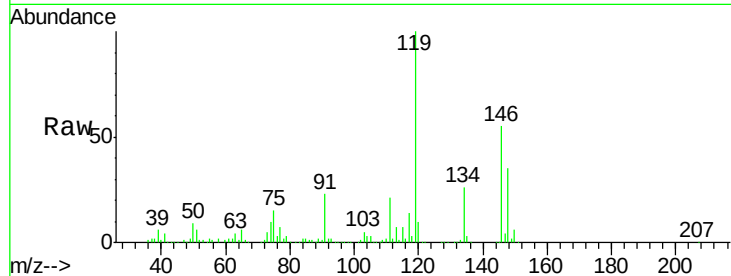
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	331661
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.9	56.9
148	64.0	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 50.424 ug/l

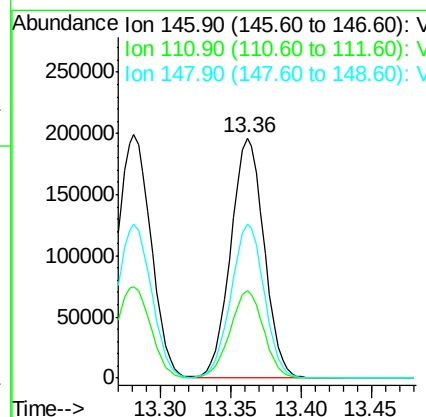
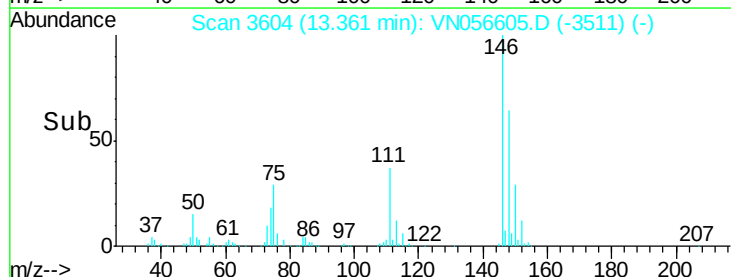
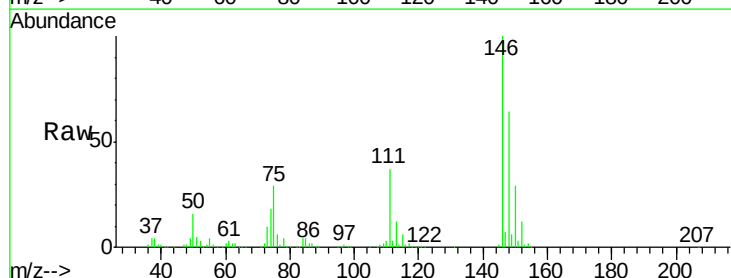
RT: 13.36 min Scan# 3604

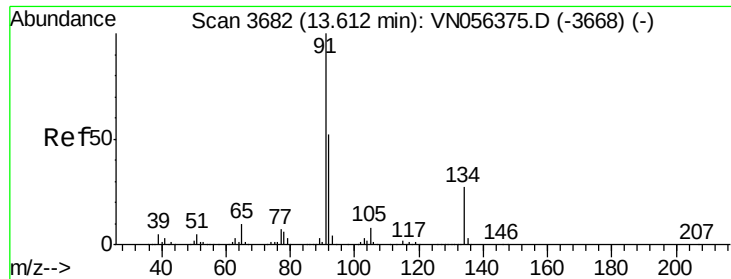
Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	146	Resp:	325343
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.4	55.4
148	64.1	32.4	97.0





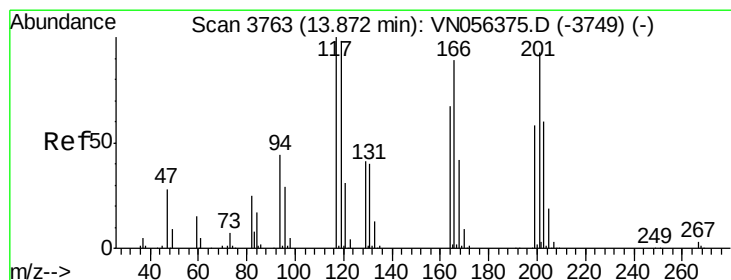
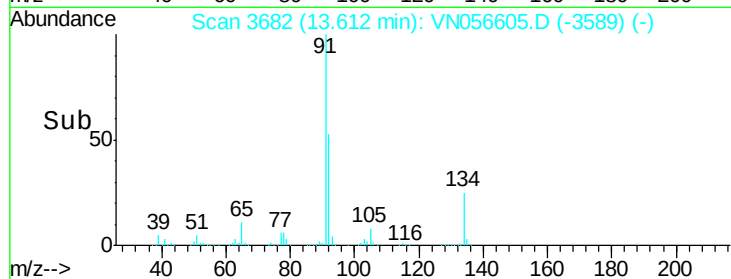
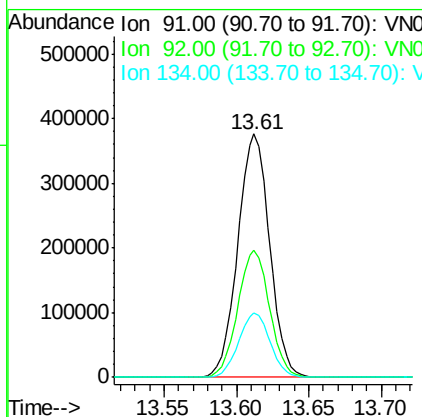
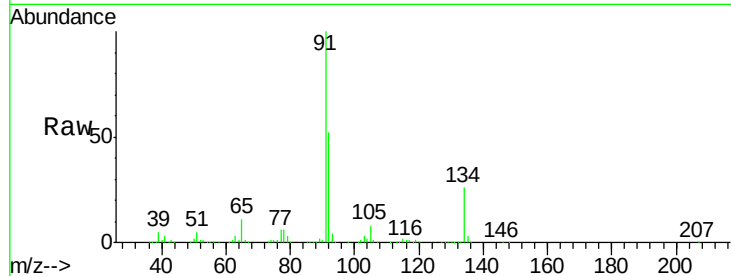
#89
n-Butylbenzene
Concen: 55.714 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	26.1	13.4	40.2

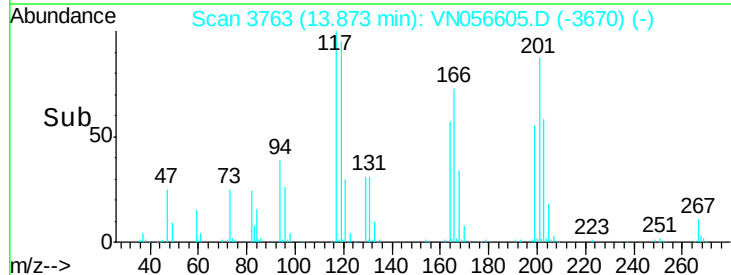
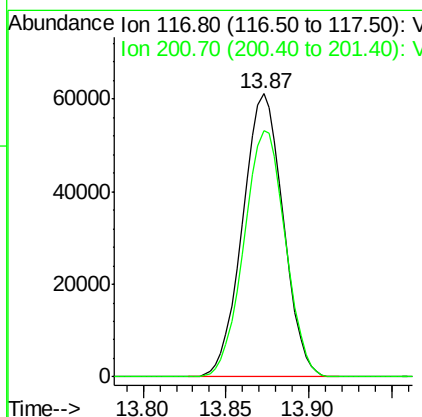
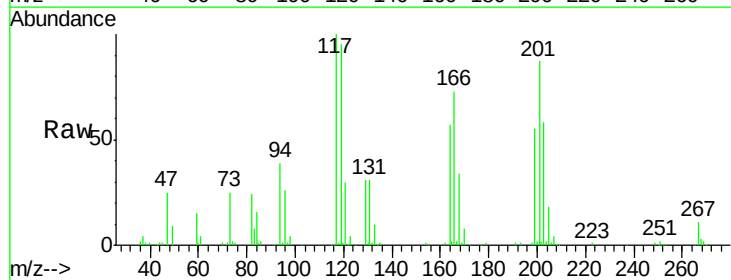
Manual Integrations
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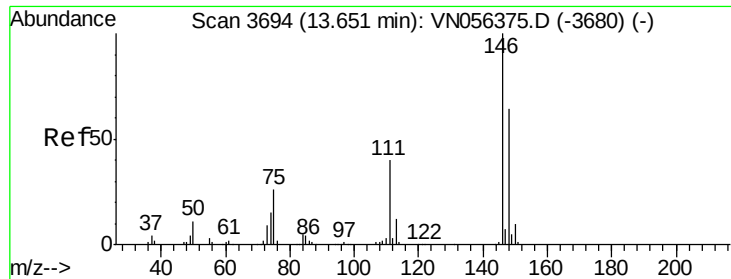
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#90
Hexachloroethane
Concen: 49.317 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056605.D
Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	45.9	137.6





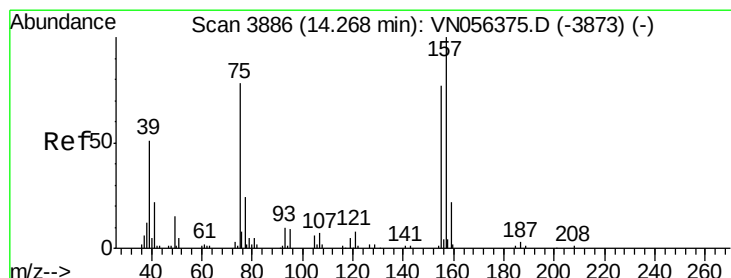
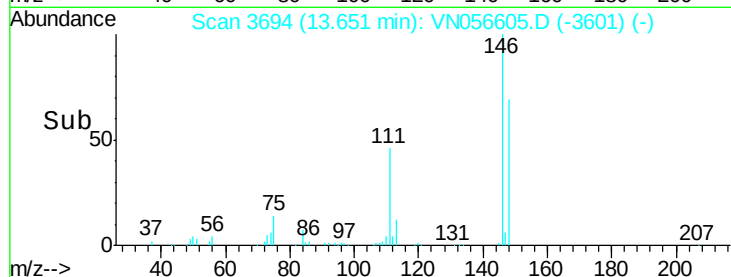
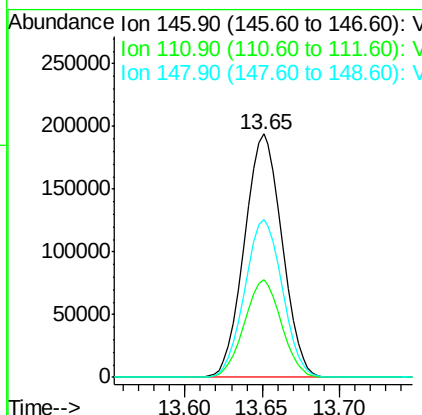
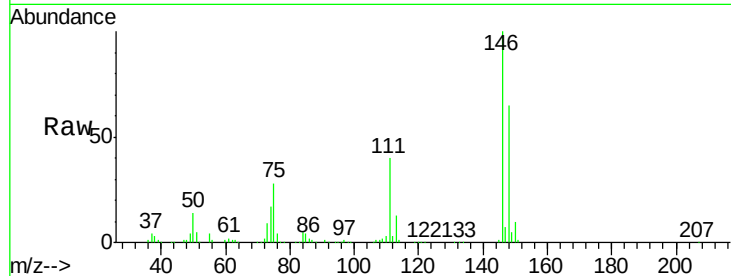
#91
 1,2-Dichlorobenzene
 Concen: 49.888 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	64.9	32.0	96.0

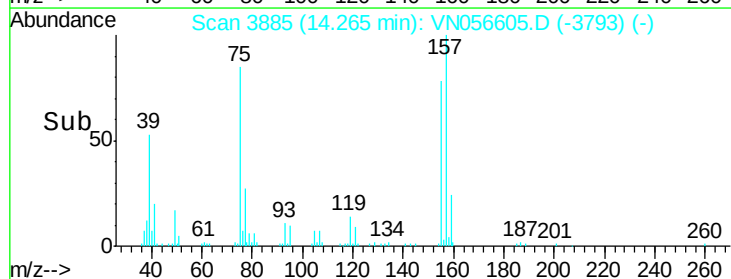
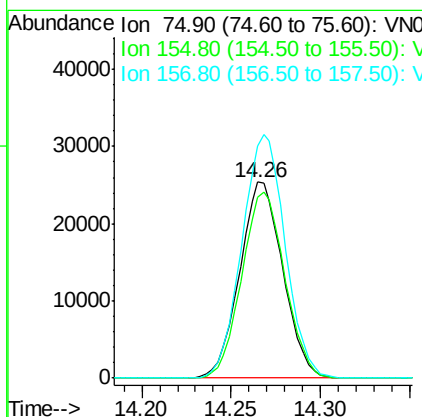
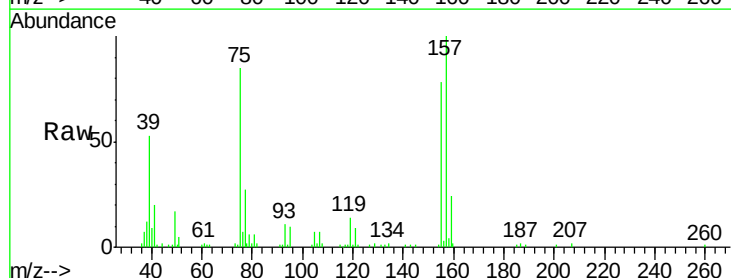
Manual Integrations
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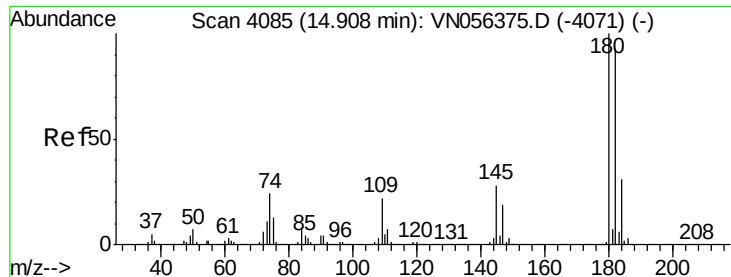
MMDadoda
 7/9/2019 9:46:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.933 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	48.9	146.8
157	124.5	62.9	188.8





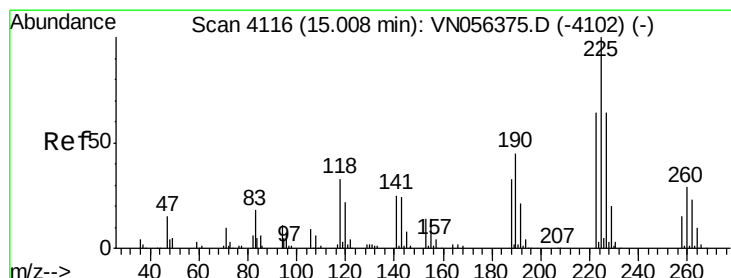
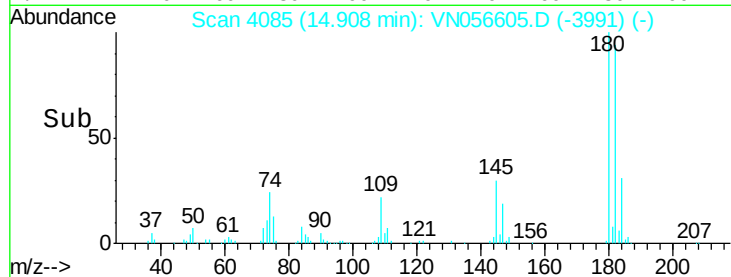
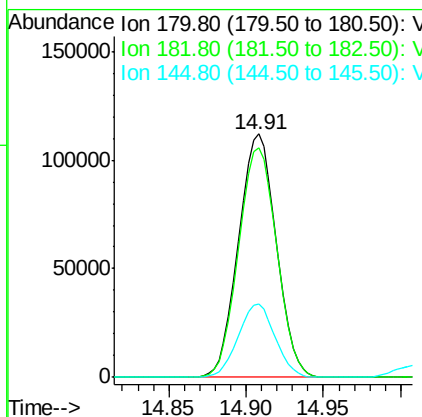
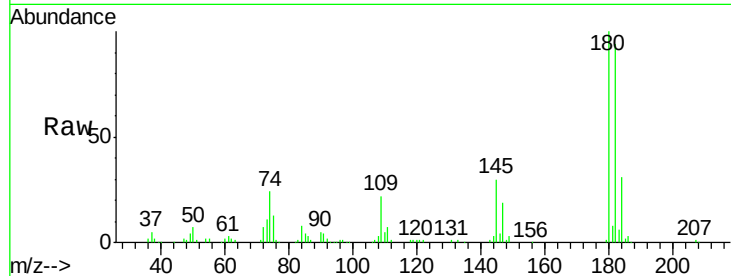
#93
 1,2,4-Trichlorobenzene
 Concen: 54.571 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189831		
182	95.7	46.9	140.6	
145	29.6	14.4	43.0	

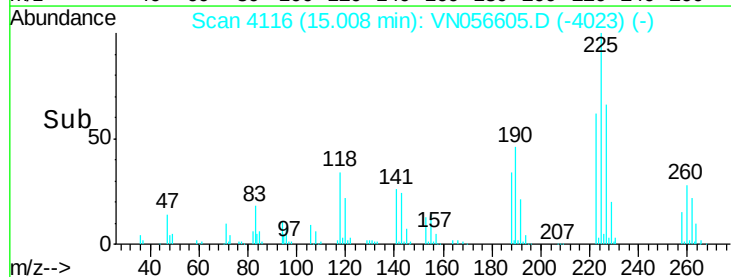
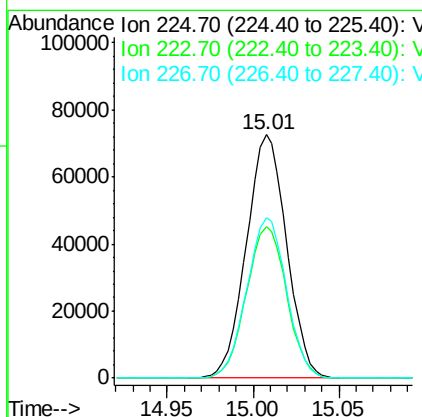
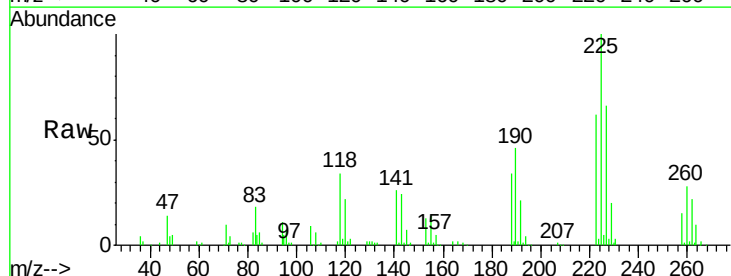
Manual Integrations
 APPROVED

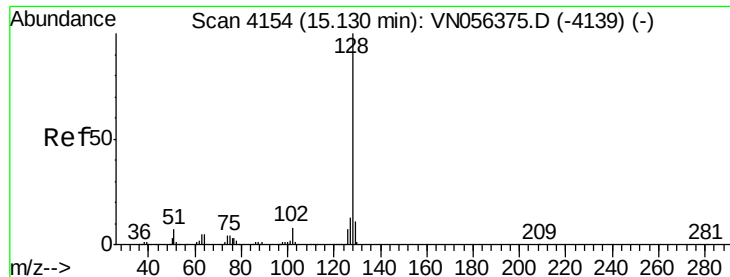
MMDadoda
 7/9/2019 9:46:37 AM



#94
 Hexachlorobutadiene
 Concen: 52.696 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056605.D
 Acq: 8 Jul 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117811		
223	62.3	31.4	94.3	
227	65.0	32.1	96.3	





#95

Naphthalene

Concen: 55.523 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Instrument :

MSVOA_N

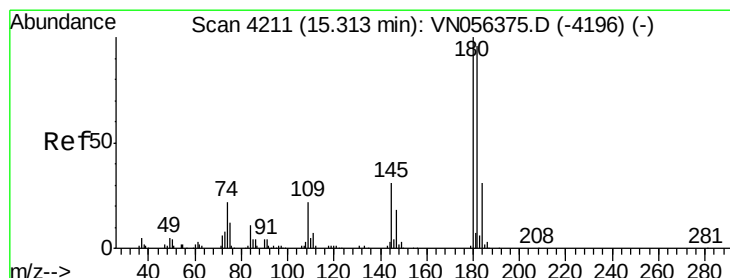
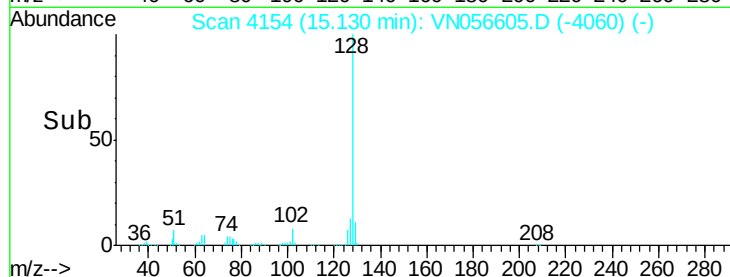
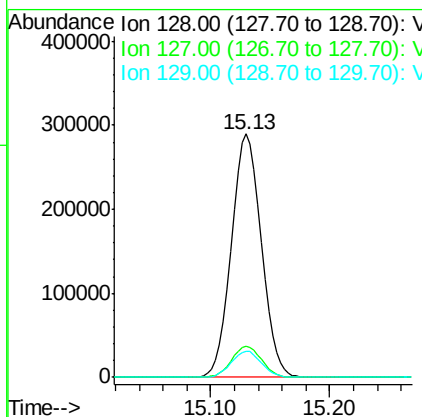
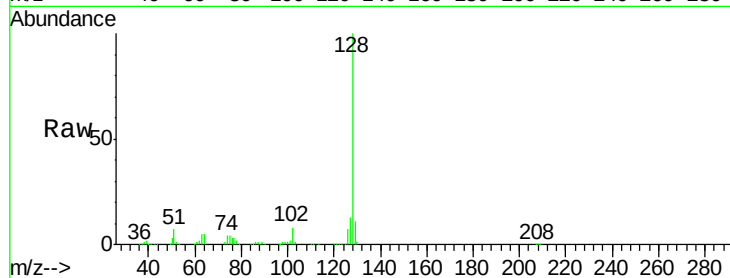
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	505304
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.128 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056605.D

Acq: 8 Jul 2019 12:54

Tgt Ion:	180	Resp:	194502
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.8
145	30.7	15.4	46.1

