

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062321\
 Data File : VN067467.D
 Acq On : 23 Jun 2021 19:17
 Operator : JC/MD
 Sample : M2802-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 05:04:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

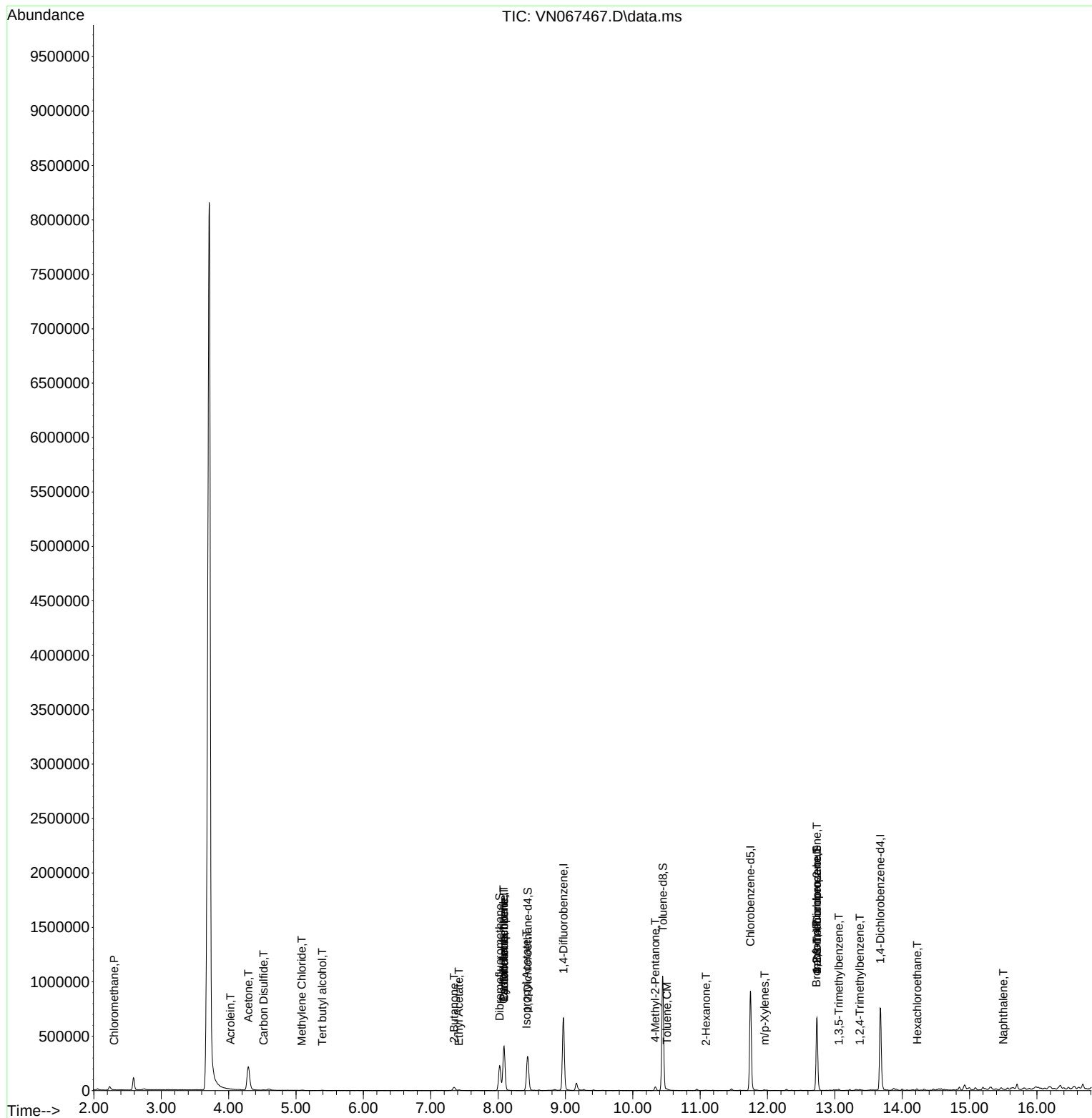
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	254830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	538754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	480176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	172669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246998	49.133	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.260%		
35) Dibromofluoromethane	8.024	113	163825	45.721	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.440%		
50) Toluene-d8	10.446	98	725794	52.848	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.700%		
62) 4-Bromofluorobenzene	12.734	95	248430	43.833	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.660%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	928	0.240	ug/l	92
11) Tert butyl alcohol	5.390	59	4269	5.159	ug/l #	81
13) Acrolein	4.028	56	354	0.685	ug/l #	71
16) Acetone	4.293	43	398578	206.608	ug/l	92
17) Carbon Disulfide	4.519	76	6006	0.608	ug/l #	95
20) Methylene Chloride	5.087	84	1158	0.288	ug/l #	84
25) 2-Butanone	7.348	43	51307	18.612	ug/l	98
31) Cyclohexane	8.088	56	8698	1.273	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	30220	5.003	ug/l #	51
37) Ethyl Acetate	7.418	43	8138	1.272	ug/l #	96
38) Carbon Tetrachloride	8.083	117	31969	4.924	ug/l #	16
43) Isopropyl Acetate	8.421	43	20324	1.770	ug/l #	58
51) 4-Methyl-2-Pentanone	10.333	43	25064	3.790	ug/l	96
52) Toluene	10.508	92	3198	0.302	ug/l	92
59) 2-Hexanone	11.087	43	2163	0.446	ug/l	97
68) m/p-Xylenes	11.958	106	1892	0.258	ug/l	78
71) Bromoform	12.725	173	706	0.237	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	142939	31.878	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.058	105	3558	0.255	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.734	75	142939	79.004	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	5444	0.395	ug/l	96
90) Hexachloroethane	14.222	117	681	0.274	ug/l #	16
95) Naphthalene	15.501	128	1506	2.744	ug/l #	79

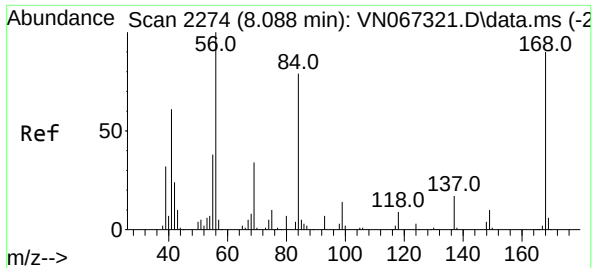
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

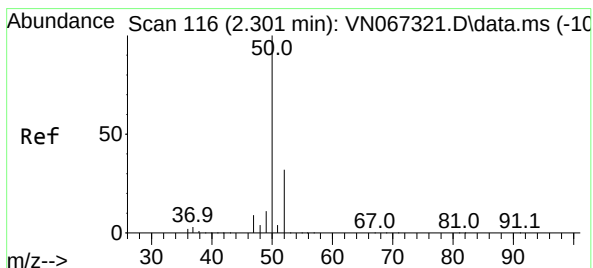
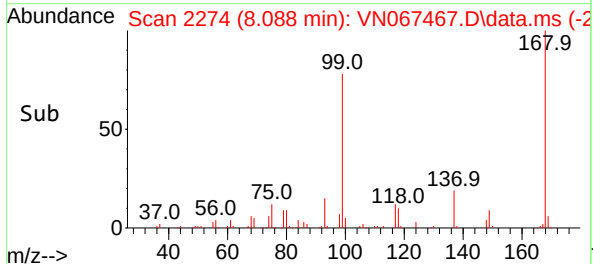
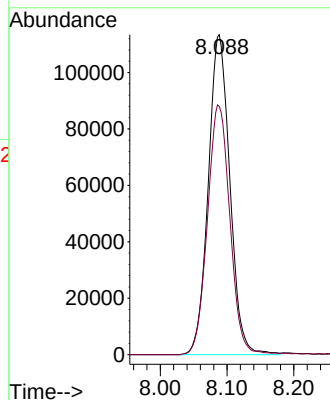
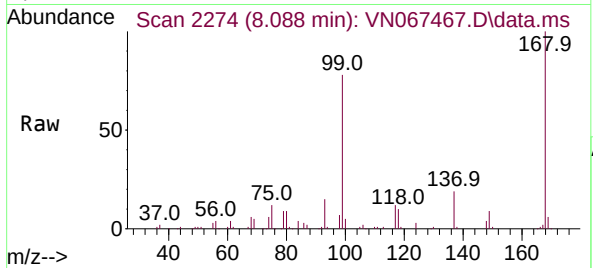




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

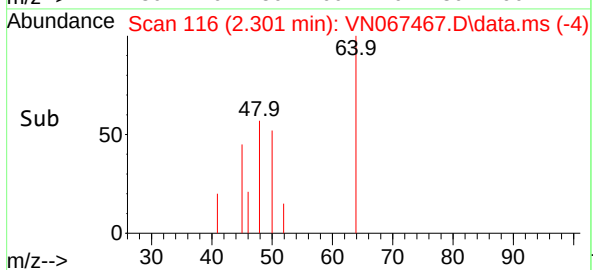
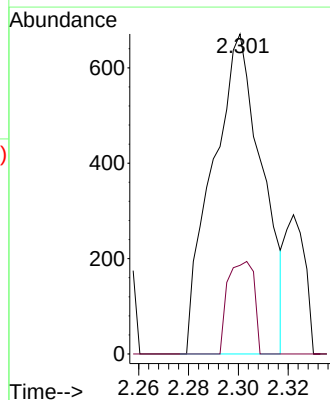
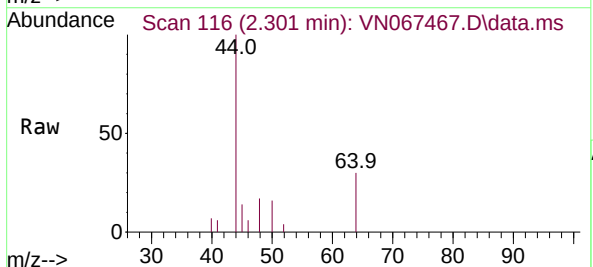
Instrument :
MSVOA_N
ClientSampleId :

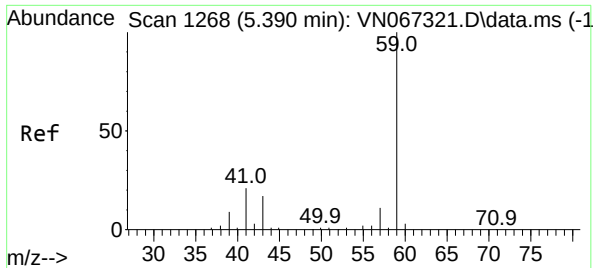
Tgt Ion:168 Resp: 254830
Ion Ratio Lower Upper
168 100
99 77.6 62.9 94.3



#3
Chloromethane
Concen: 0.240 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 50 Resp: 928
Ion Ratio Lower Upper
50 100
52 27.7 25.6 38.4

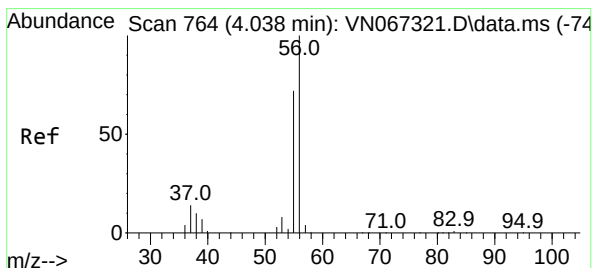
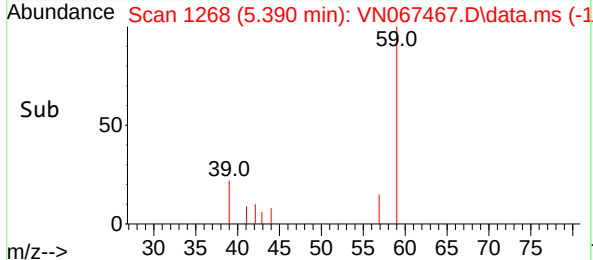
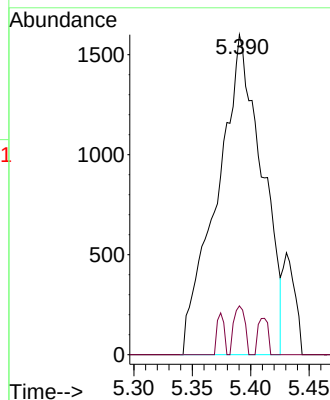
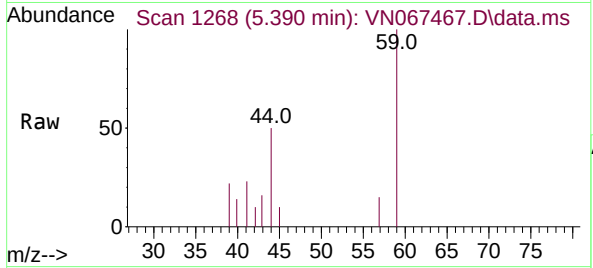




#11
Tert butyl alcohol
Concen: 5.159 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

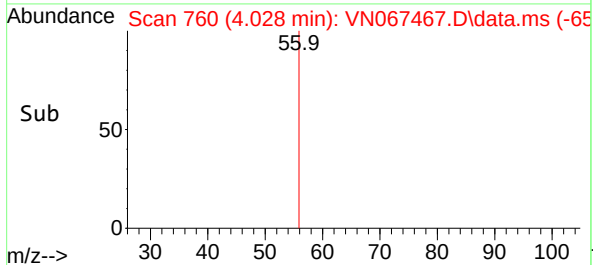
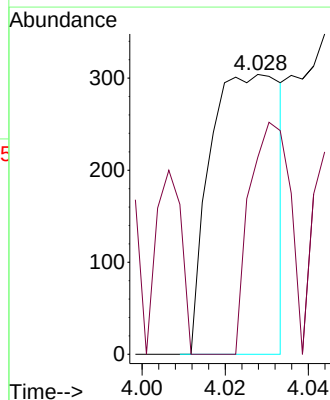
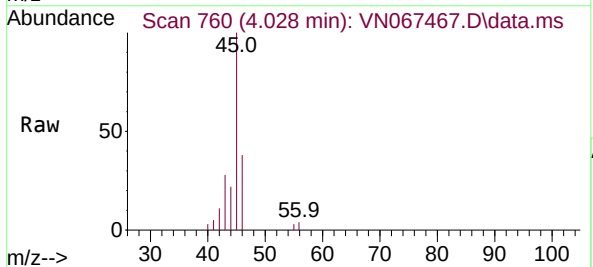
Instrument :
MSVOA_N
ClientSampled :

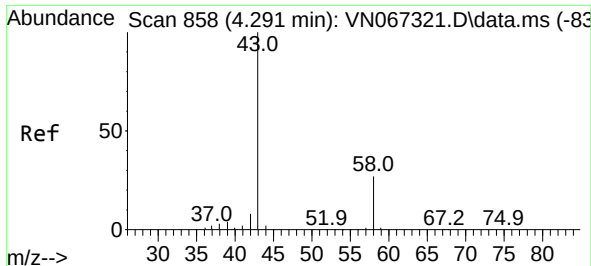
Tgt Ion: 59 Resp: 4269
Ion Ratio Lower Upper
59 100
57 3.8 8.7 13.1#



#13
Acrolein
Concen: 0.685 ug/l
RT: 4.028 min Scan# 760
Delta R.T. -0.010 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 56 Resp: 354
Ion Ratio Lower Upper
56 100
55 47.7 57.4 86.0#

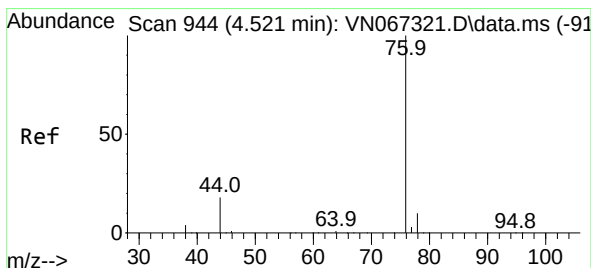
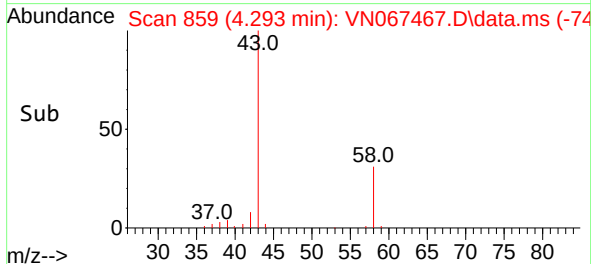
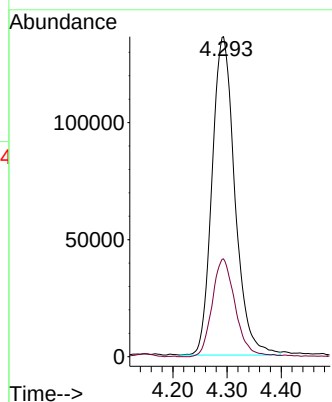
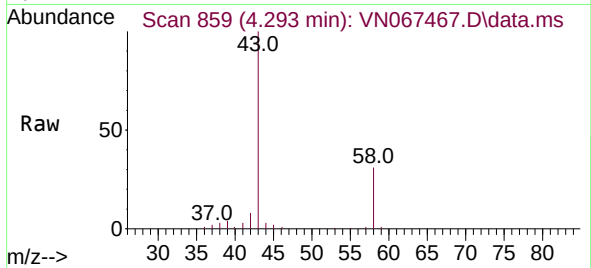




#16
Acetone
Concen: 206.608 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

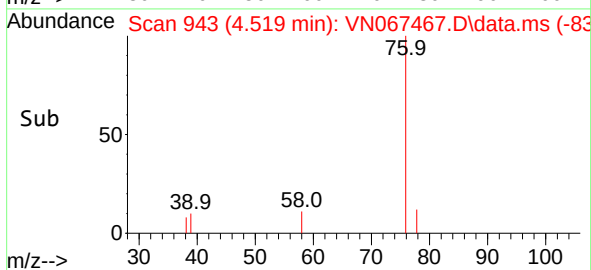
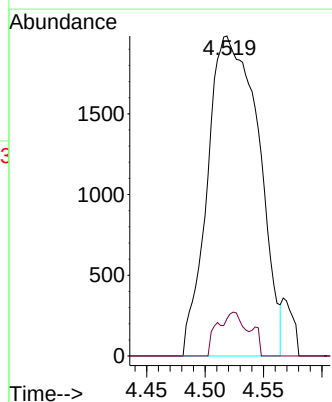
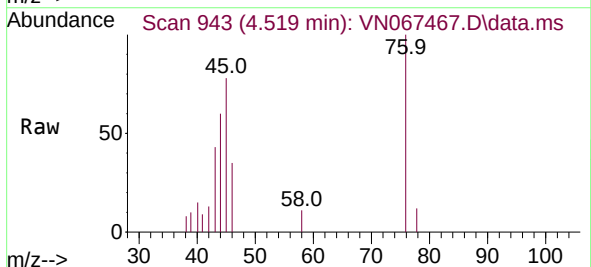
Instrument :
MSVOA_N
ClientSampled :

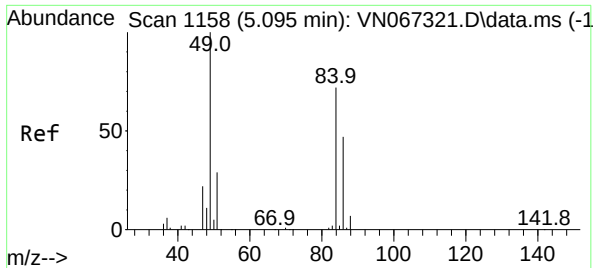
Tgt Ion: 43 Resp: 398578
Ion Ratio Lower Upper
43 100
58 30.7 21.2 31.8



#17
Carbon Disulfide
Concen: 0.608 ug/l
RT: 4.519 min Scan# 943
Delta R.T. -0.002 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

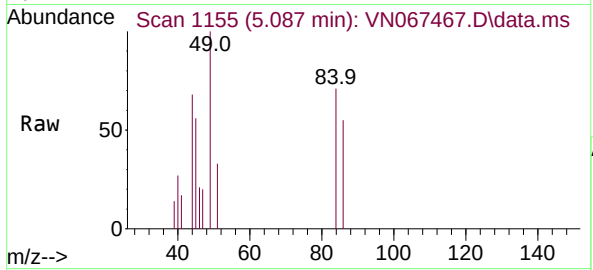
Tgt Ion: 76 Resp: 6006
Ion Ratio Lower Upper
76 100
78 11.6 7.7 11.5#



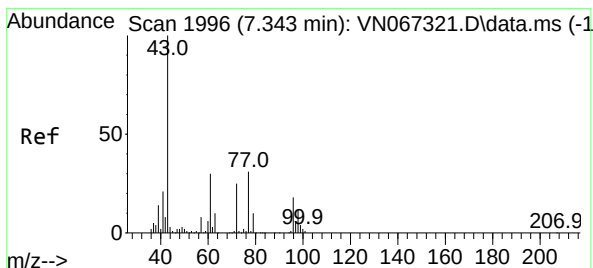
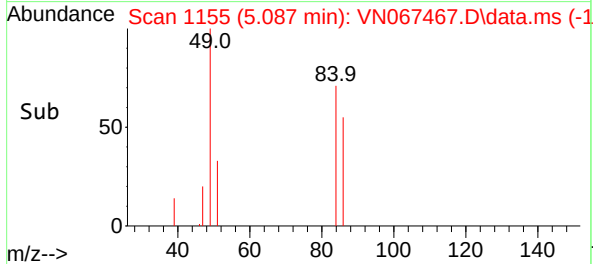
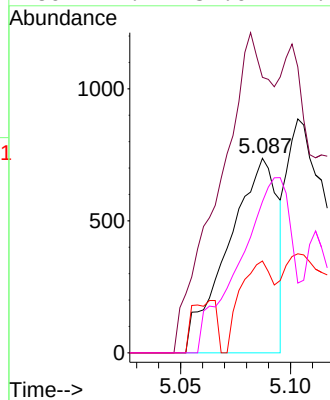


#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 5.087 min Scan# 1155
Delta R.T. -0.008 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Instrument :
MSVOA_N
ClientSampled :

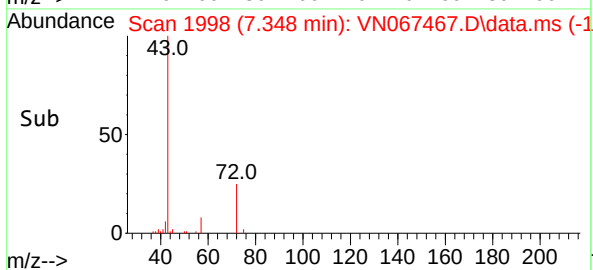
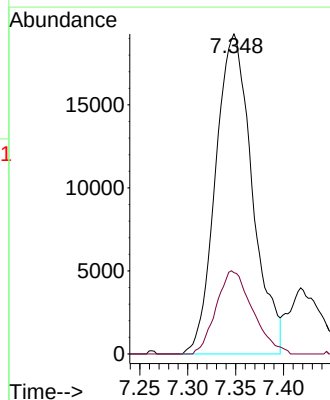
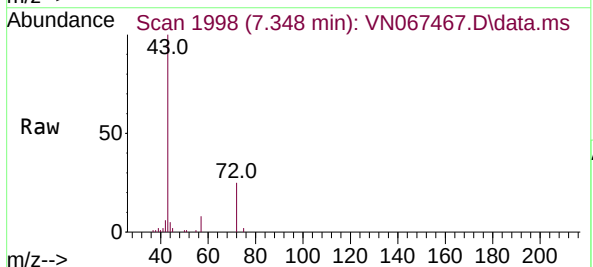


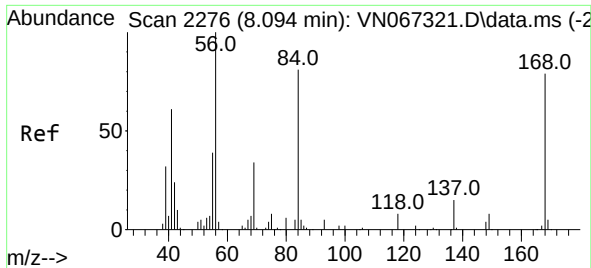
Tgt Ion:	84	Resp:	1158
Ion	Ratio	Lower	Upper
84	100		
49	118.5	110.9	166.3
51	47.2	32.6	49.0
86	77.7	51.6	77.4



#25
2-Butanone
Concen: 18.612 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.005 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

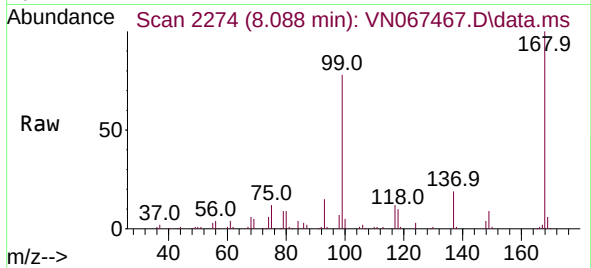
Tgt Ion:	43	Resp:	51307
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.7	29.5



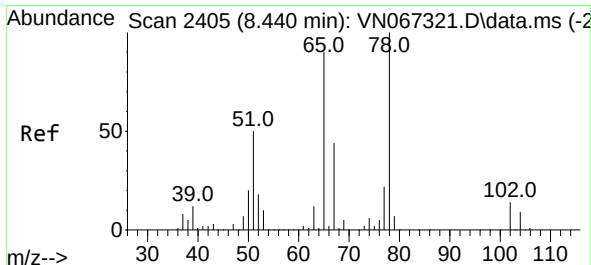
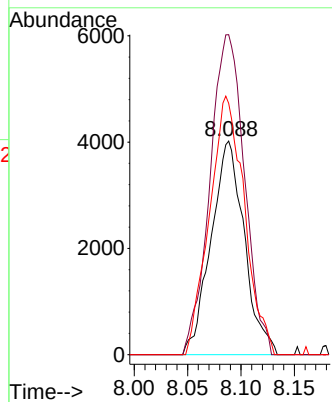
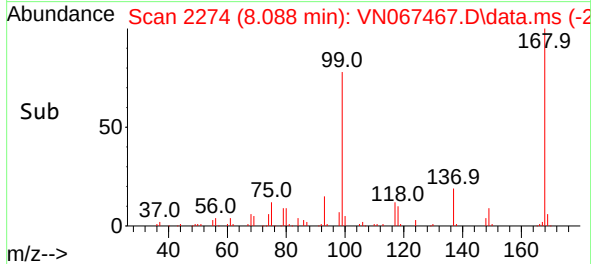


#31
Cyclohexane
Concen: 1.273 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

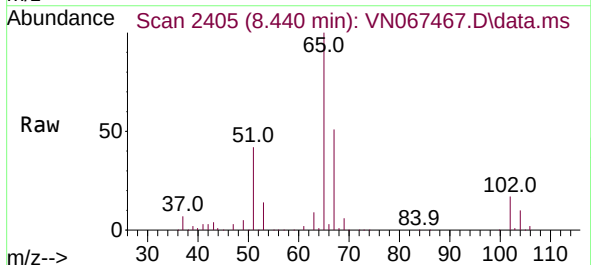
Instrument :
MSVOA_N
ClientSampleId :



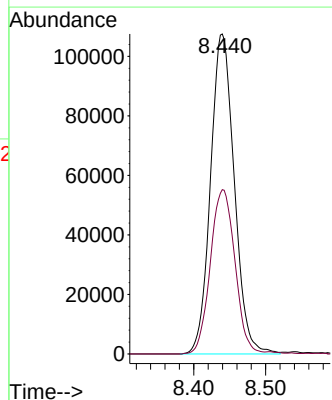
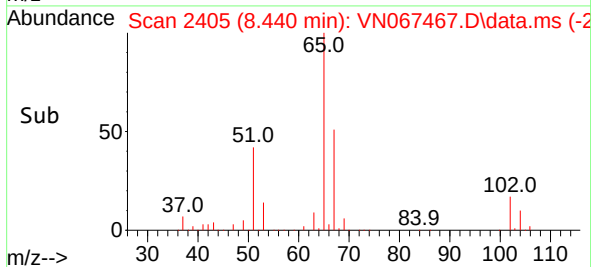
Tgt Ion: 56 Resp: 8698
Ion Ratio Lower Upper
56 100
69 149.8 27.3 40.9#
84 117.7 64.9 97.3#

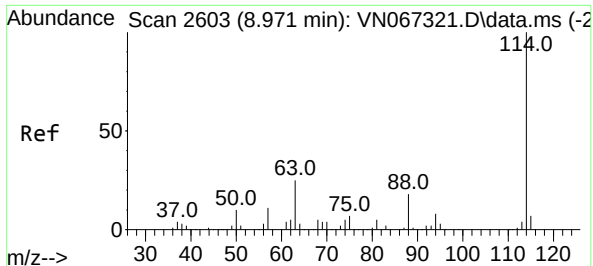


#33
1,2-Dichloroethane-d4
Concen: 49.133 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17



Tgt Ion: 65 Resp: 246998
Ion Ratio Lower Upper
65 100
67 53.1 0.0 98.6

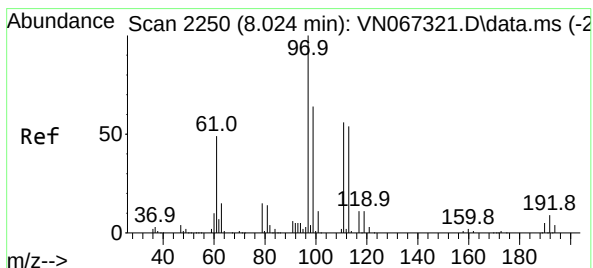
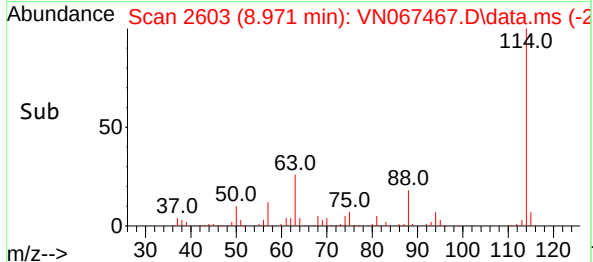
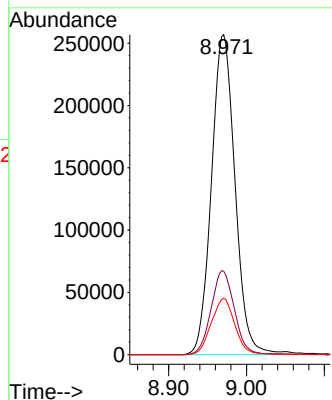
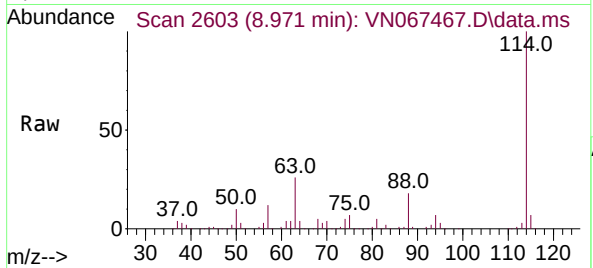




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

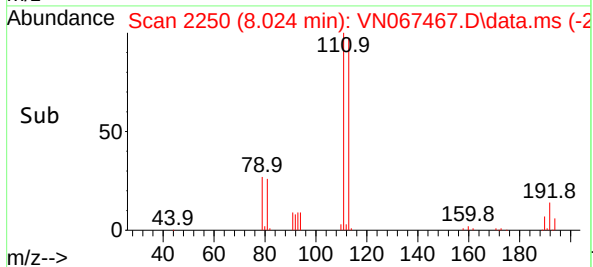
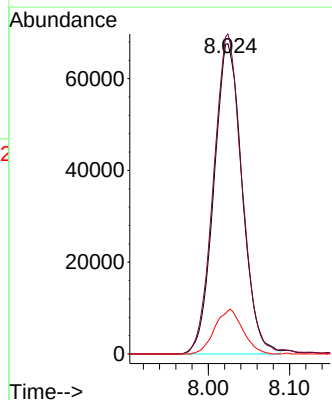
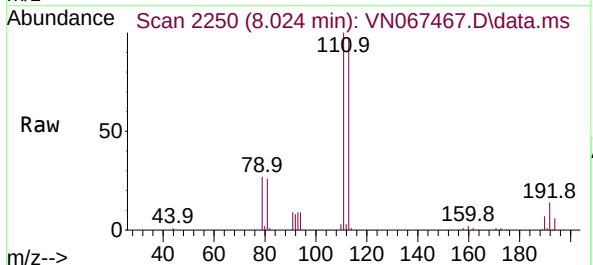
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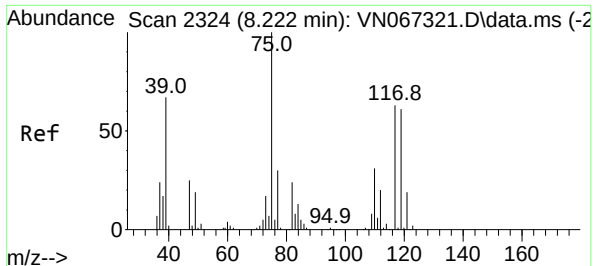
Tgt Ion:114 Resp: 538754
Ion Ratio Lower Upper
114 100
63 26.1 0.0 49.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.721 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion:113 Resp: 163825
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 14.3 13.4 20.0

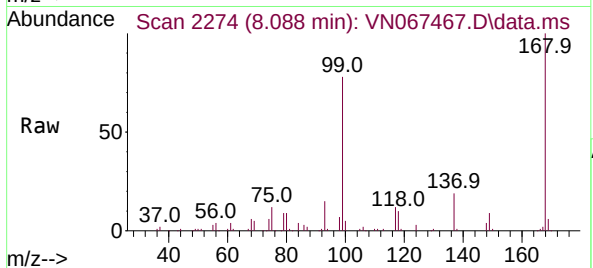




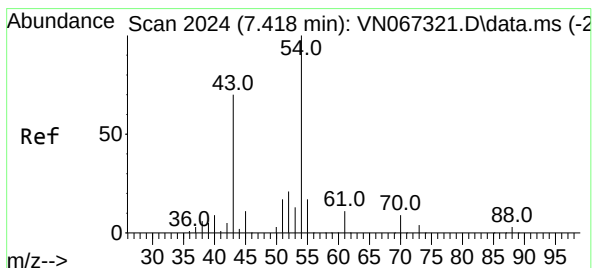
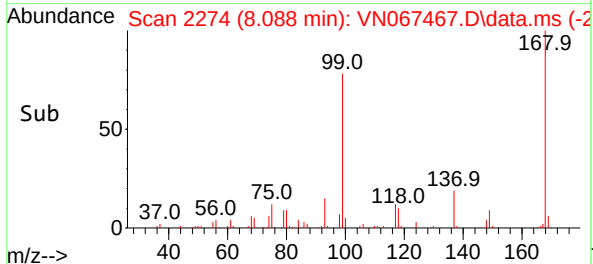
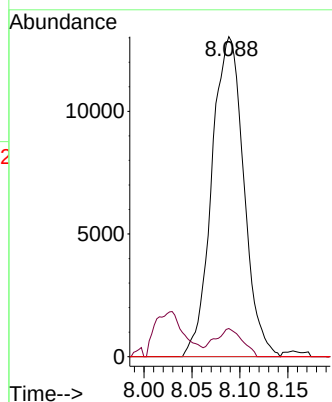
#36

1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Instrument :
MSVOA_N
ClientSampleId :



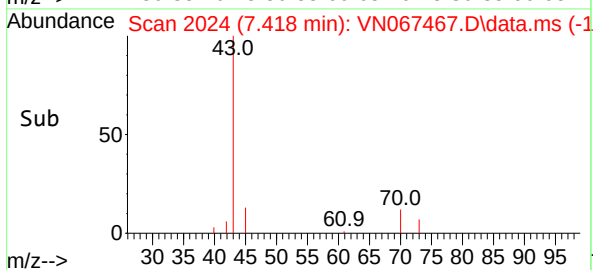
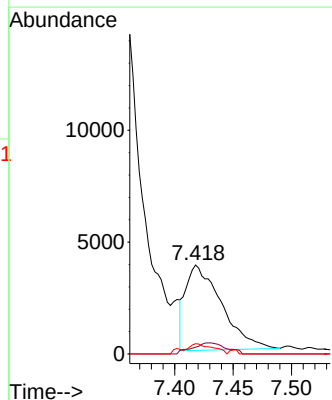
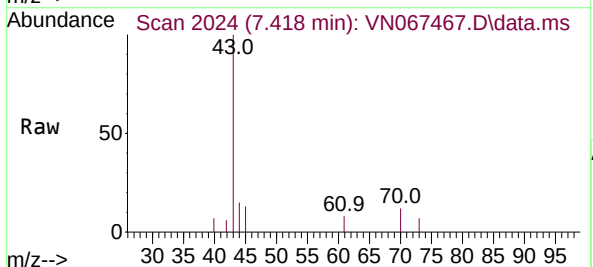
Tgt Ion: 75 Resp: 30220
Ion Ratio Lower Upper
75 100
110 7.7 15.7 47.0#
77 0.0 24.6 37.0#

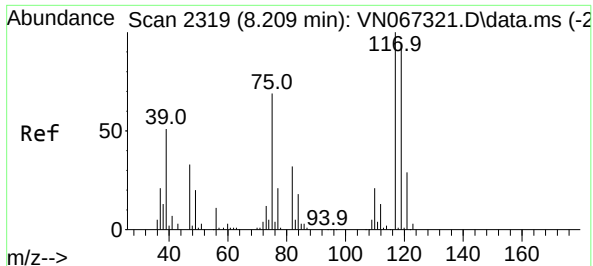


#37

Ethyl Acetate
Concen: 1.272 ug/l
RT: 7.418 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

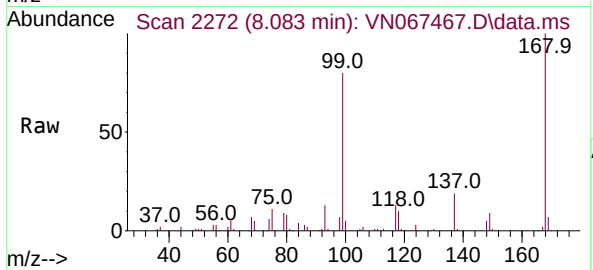
Tgt Ion: 43 Resp: 8138
Ion Ratio Lower Upper
43 100
61 12.2 10.6 16.0
70 7.9 8.1 12.1#



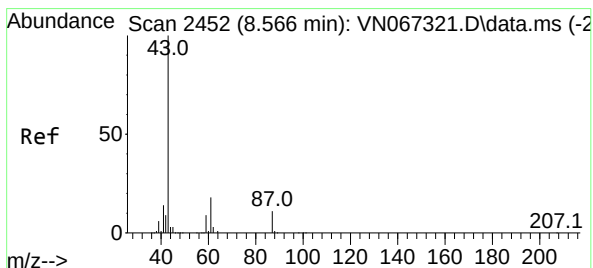
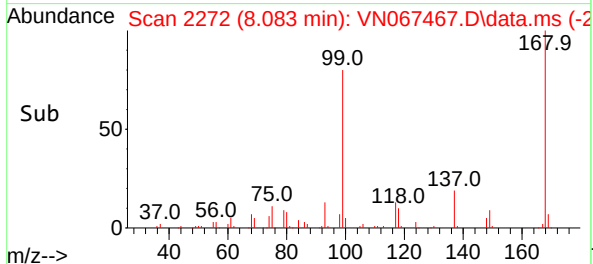
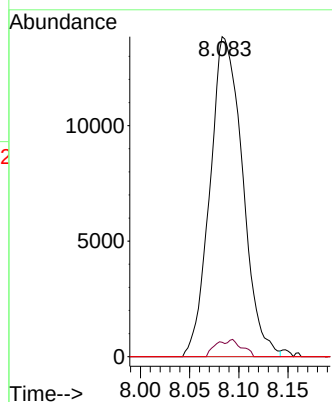


#38
Carbon Tetrachloride
Concen: 4.924 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.126 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Instrument :
MSVOA_N
ClientSampleId :

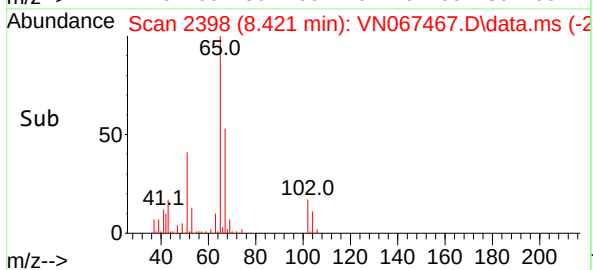
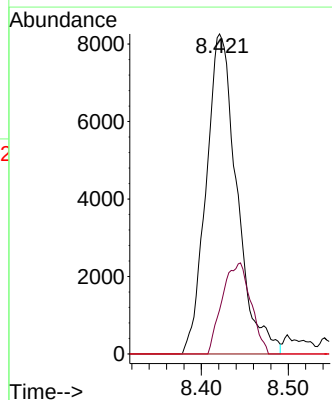
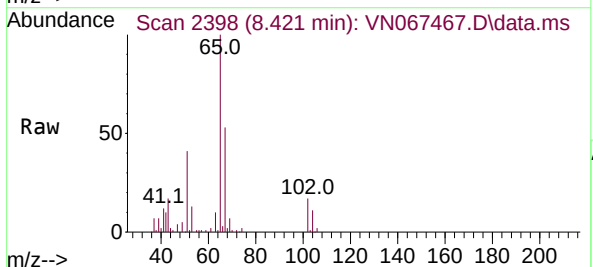


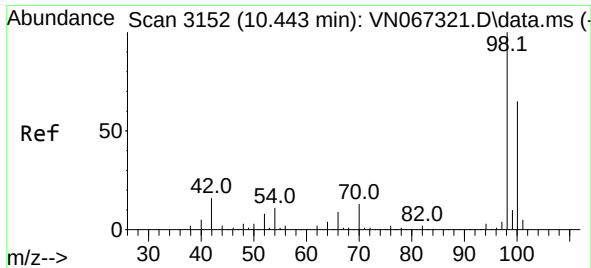
Tgt Ion:117 Resp: 31969
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 1.770 ug/l
RT: 8.421 min Scan# 2398
Delta R.T. -0.145 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 43 Resp: 20324
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

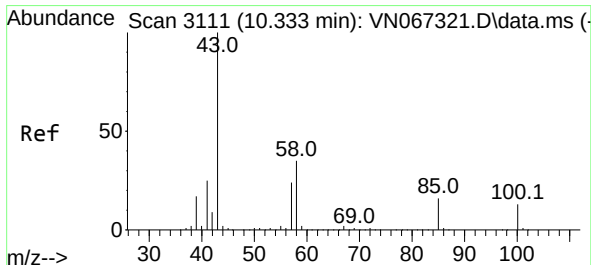
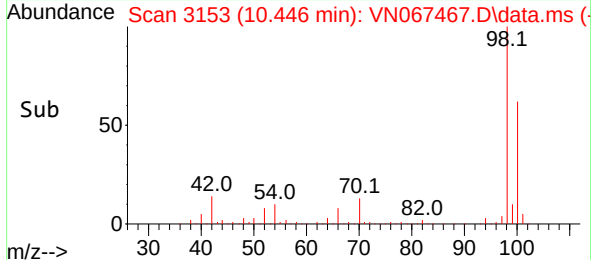
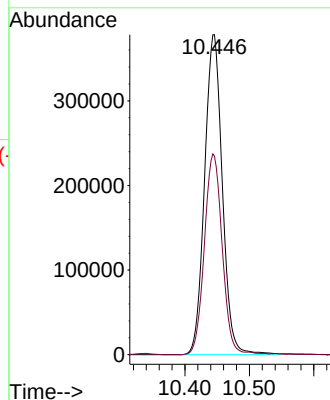
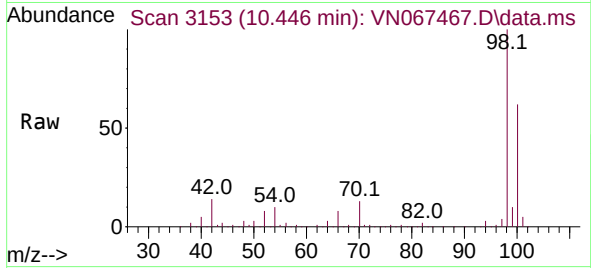




#50
Toluene-d8
Concen: 52.848 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

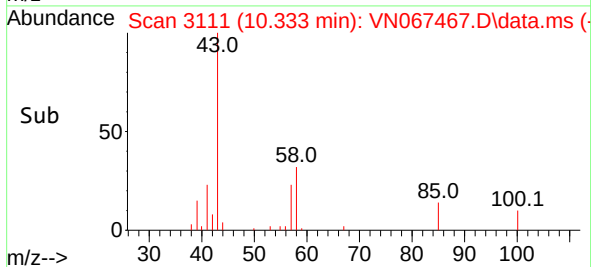
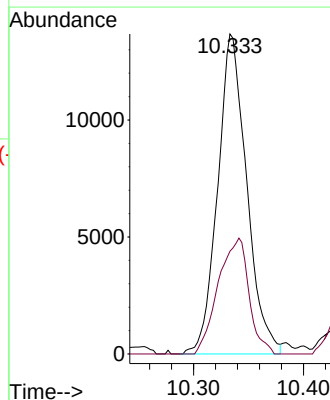
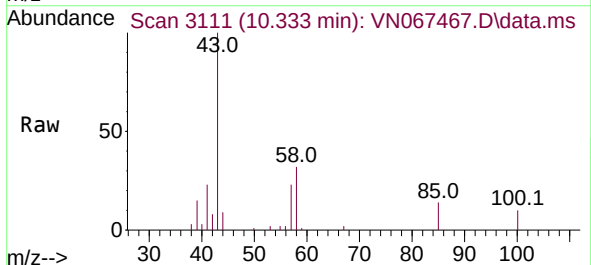
Instrument :
MSVOA_N
ClientSampled :

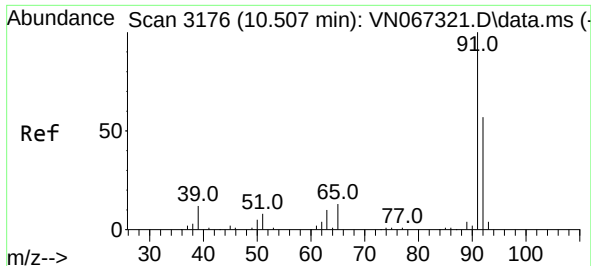
Tgt Ion: 98 Resp: 725794
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 3.790 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 43 Resp: 25064
Ion Ratio Lower Upper
43 100
58 38.3 28.6 43.0

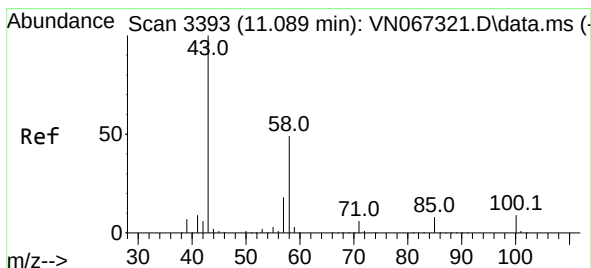
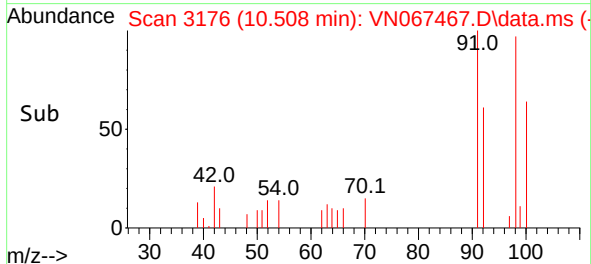
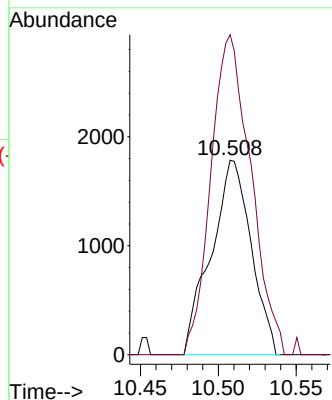
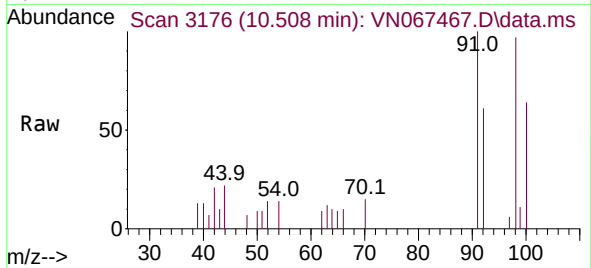




#52
Toluene
Concen: 0.302 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.001 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

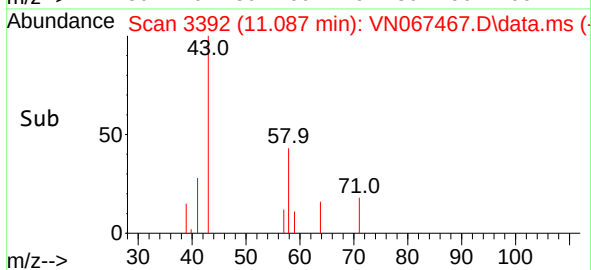
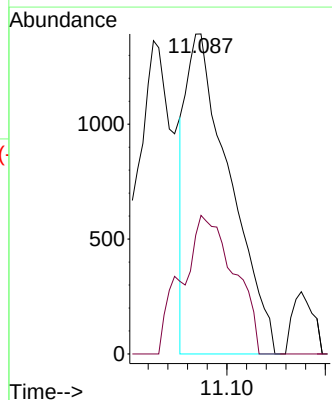
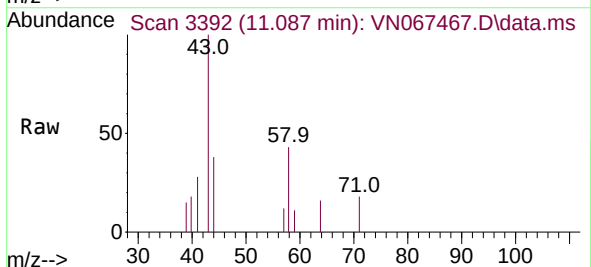
Instrument :
MSVOA_N
ClientSampled :

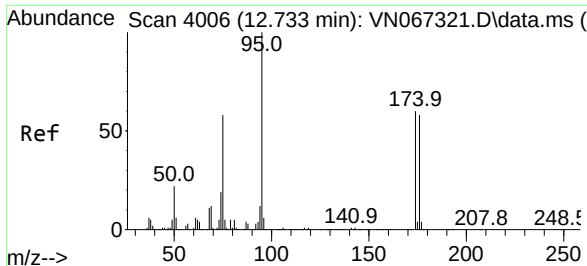
Tgt Ion: 92 Resp: 3198
Ion Ratio Lower Upper
92 100
91 163.6 139.6 209.4



#59
2-Hexanone
Concen: 0.446 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.002 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
58 51.3 24.7 74.1

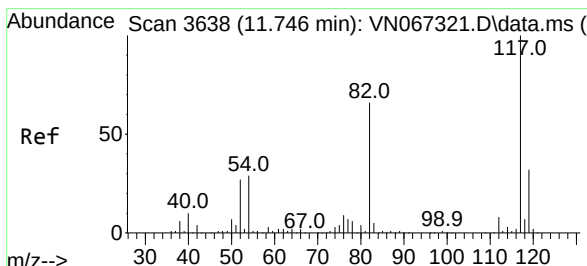
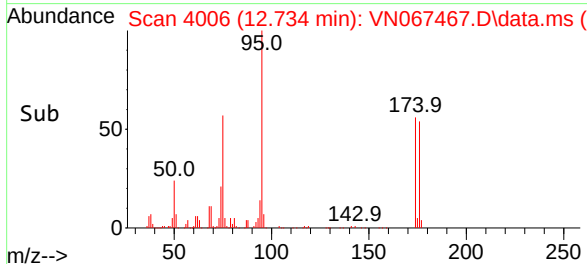
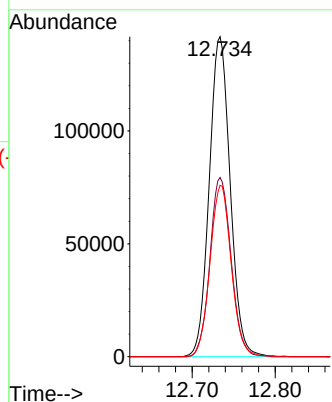
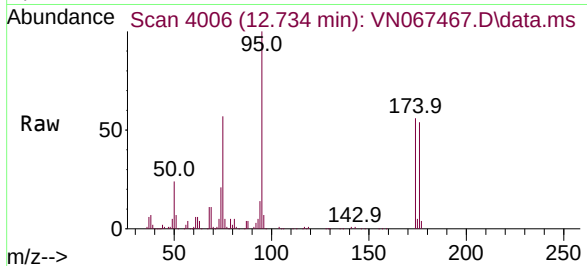




#62
4-Bromofluorobenzene
Concen: 43.833 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

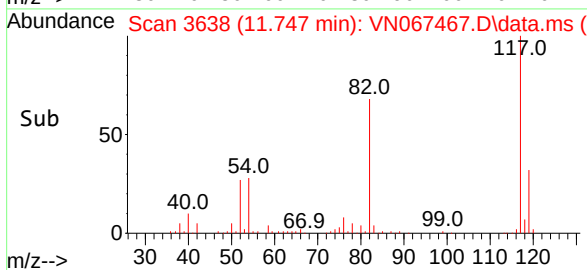
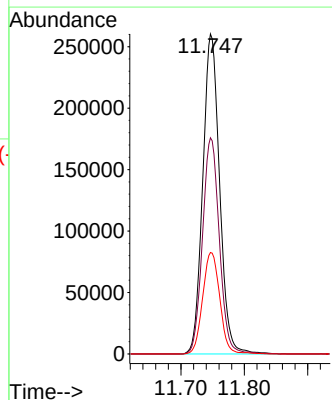
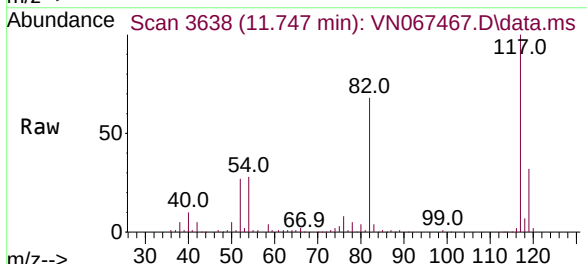
Instrument :
MSVOA_N
ClientSampleId :

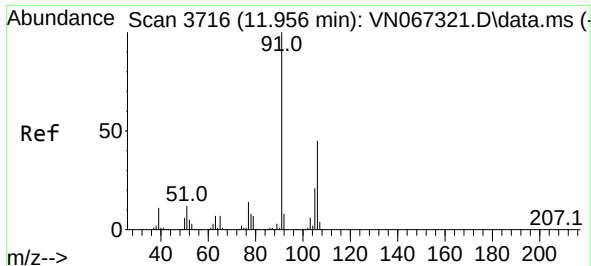
Tgt Ion: 95 Resp: 248430
Ion Ratio Lower Upper
95 100
174 56.6 0.0 122.0
176 54.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 117 Resp: 480176
Ion Ratio Lower Upper
117 100
82 67.6 53.1 79.7
119 31.7 25.5 38.3

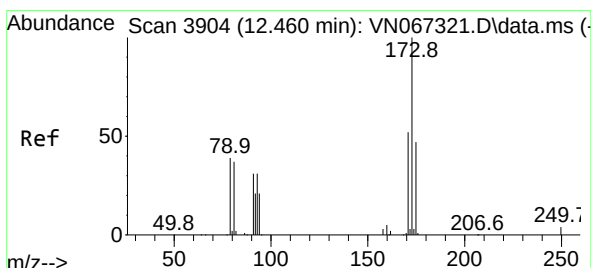
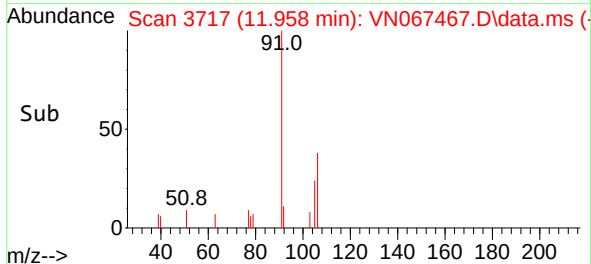
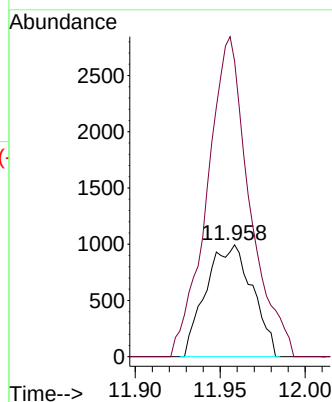
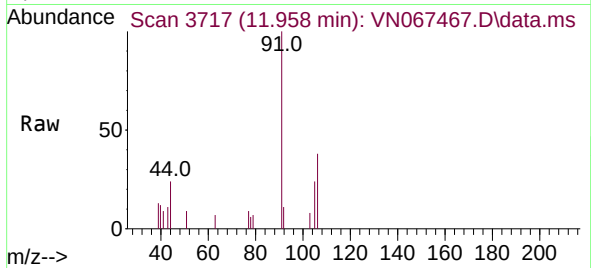




#68
m/p-Xylenes
Concen: 0.258 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.002 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

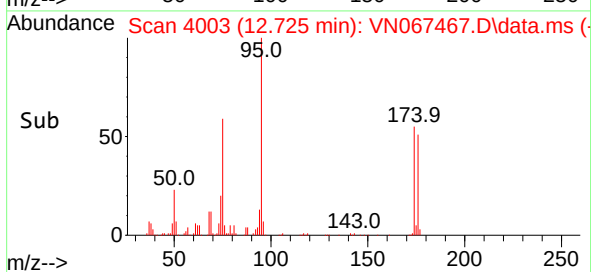
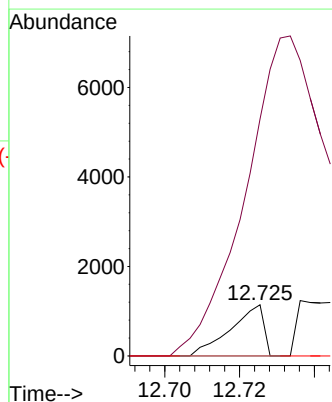
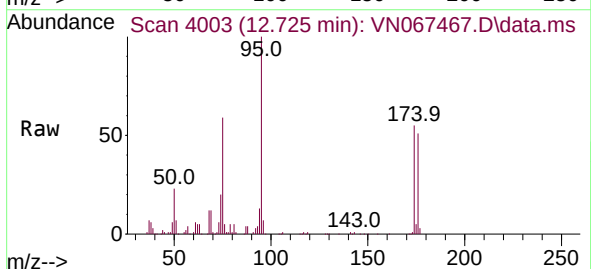
Instrument :
MSVOA_N
ClientSampled :

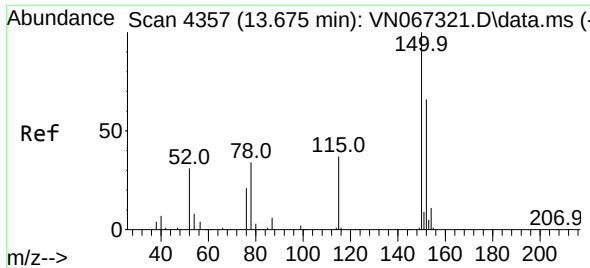
Tgt Ion:106 Resp: 1892
Ion Ratio Lower Upper
106 100
91 261.2 180.6 270.8



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion:173 Resp: 706
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

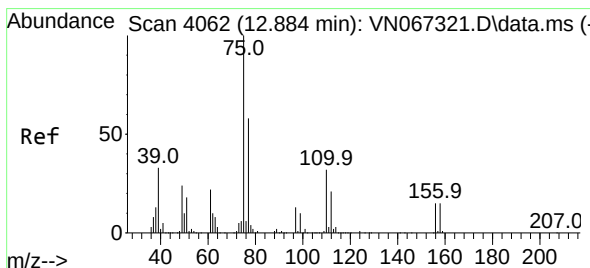
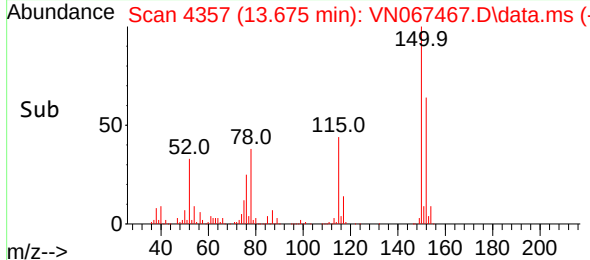
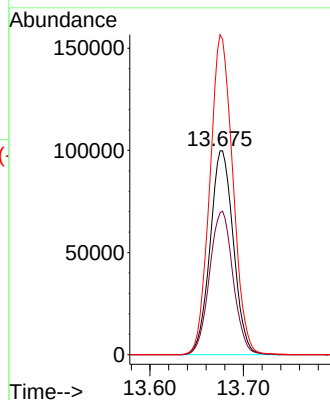
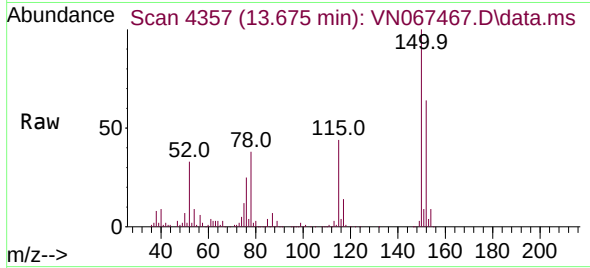




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

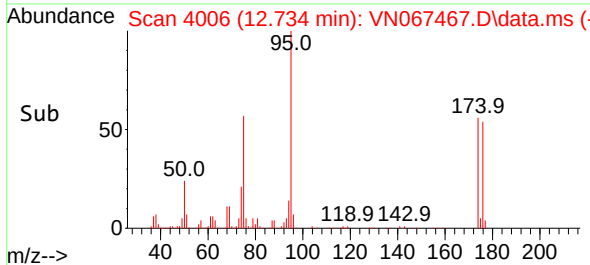
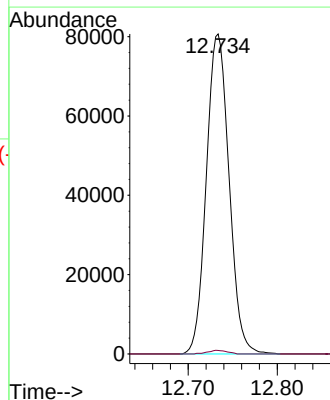
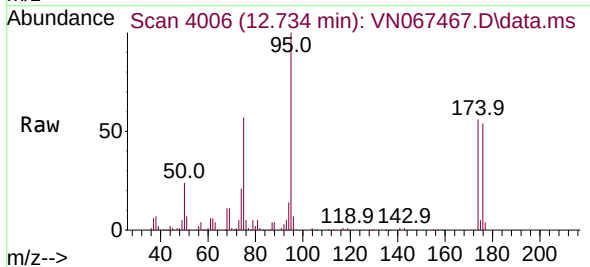
Instrument :
MSVOA_N
ClientSampleId :

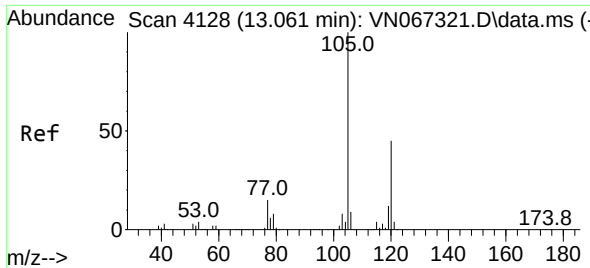
Tgt Ion:152 Resp: 172669
Ion Ratio Lower Upper
152 100
115 71.4 36.1 108.5
150 155.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 31.878 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 75 Resp: 142939
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

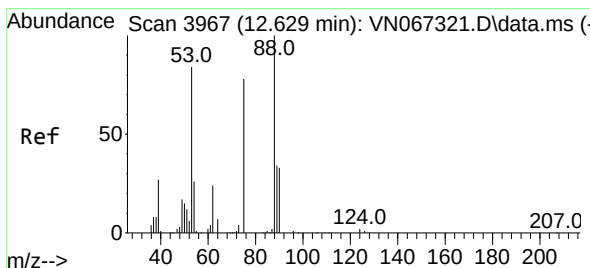
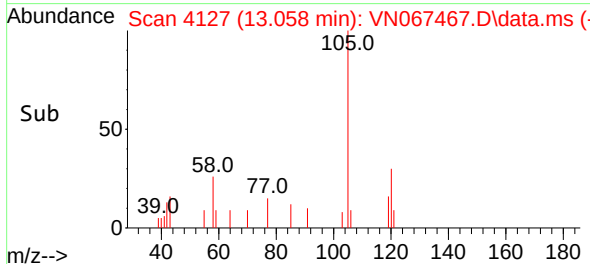
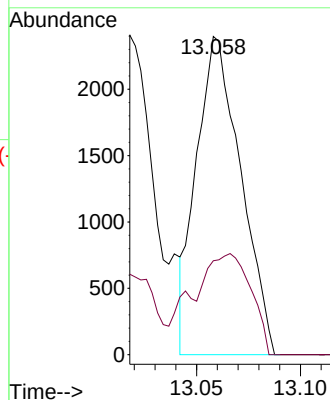
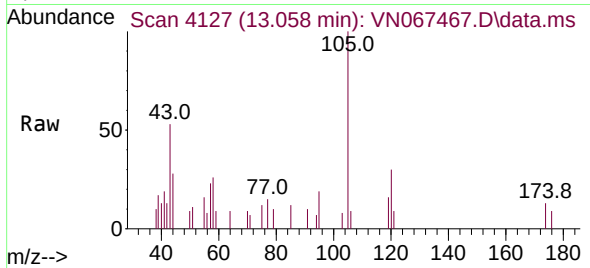




#80
1,3,5-Trimethylbenzene
Concen: 0.255 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

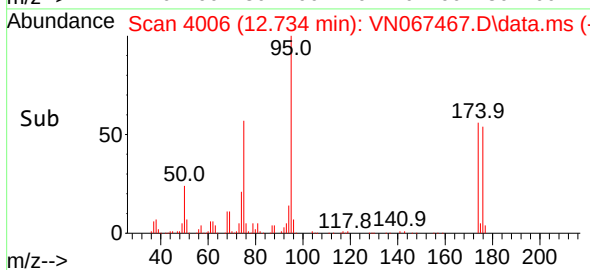
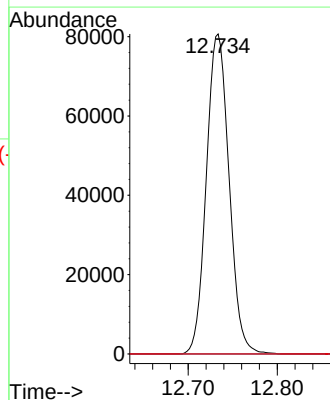
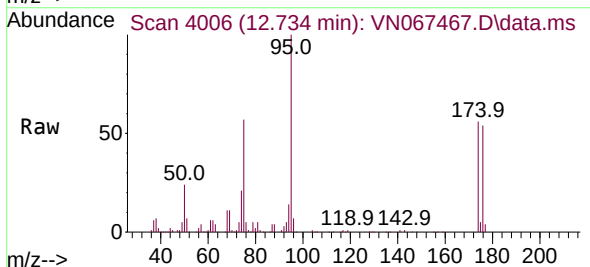
Instrument :
MSVOA_N
ClientSampled :

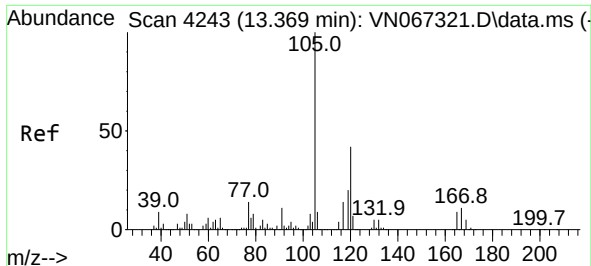
Tgt Ion:105 Resp: 3558
Ion Ratio Lower Upper
105 100
120 32.3 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 79.004 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion: 75 Resp: 142939
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

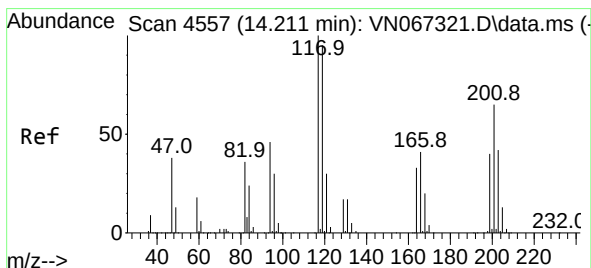
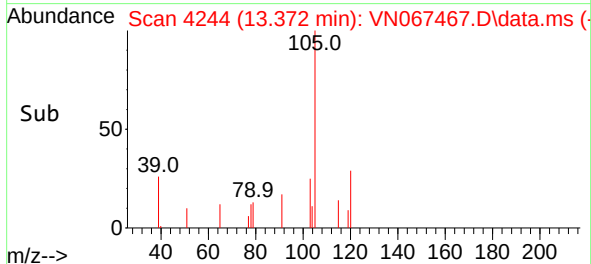
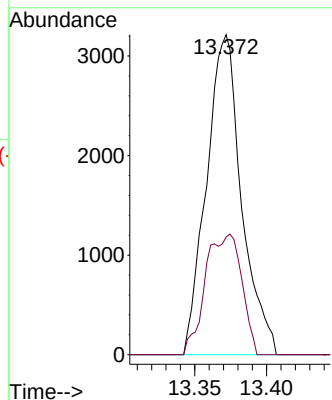
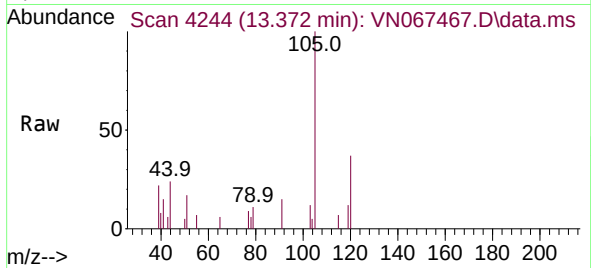




#84
1,2,4-Trimethylbenzene
Concen: 0.395 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

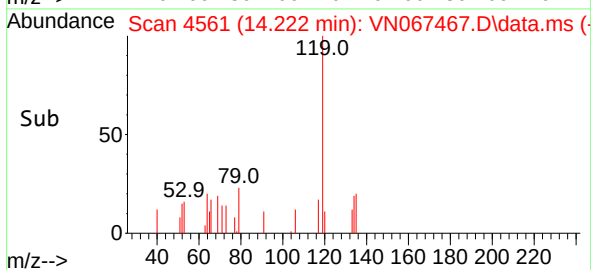
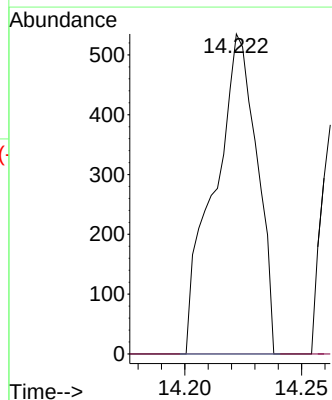
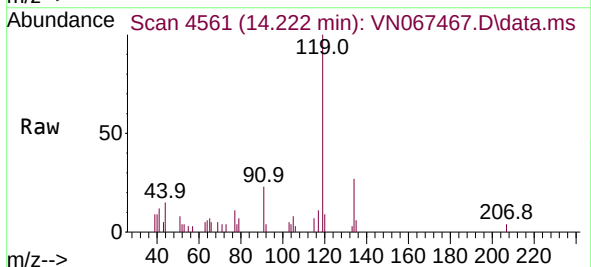
Instrument :
MSVOA_N
ClientSampled :

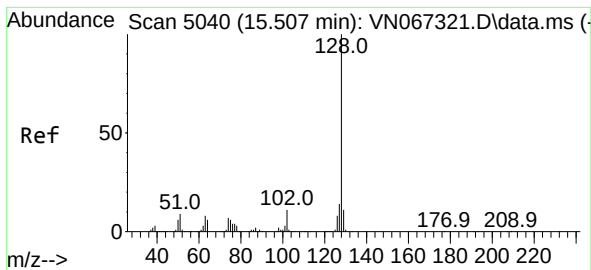
Tgt Ion:105 Resp: 5444
Ion Ratio Lower Upper
105 100
120 39.0 20.6 61.8



#90
Hexachloroethane
Concen: 0.274 ug/l
RT: 14.222 min Scan# 4561
Delta R.T. 0.011 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Tgt Ion:117 Resp: 681
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#





#95
Naphthalene
Concen: 2.744 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN067467.D
Acq: 23 Jun 2021 19:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1506
Ion Ratio Lower Upper
128 100
127 7.0 10.6 15.8#
129 0.0 8.6 12.8#

