

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062221\
 Data File : VN067447.D
 Acq On : 22 Jun 2021 19:40
 Operator : JC/MD
 Sample : M2802-03 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

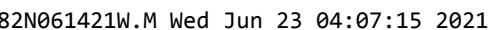
Quant Time: Jun 23 04:07:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

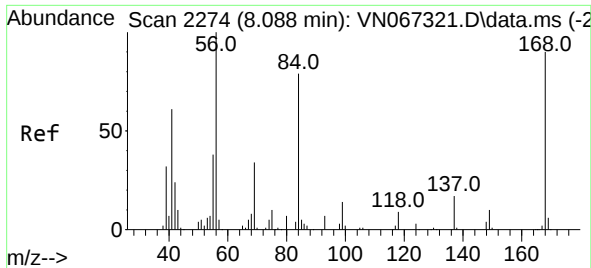
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	273043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	570518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	483515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	158450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	249310	46.285	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.580%		
35) Dibromofluoromethane	8.024	113	173476	45.719	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.440%		
50) Toluene-d8	10.443	98	749885	51.562	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.120%		
62) 4-Bromofluorobenzene	12.736	95	241581	40.251	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	80.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	118	1.352	ug/l #	43
3) Chloromethane	2.303	50	1037	0.250	ug/l #	86
10) Methyl Iodide	4.411	142	199	6.793	ug/l #	83
13) Acrolein	4.041	56	271	0.490	ug/l #	1
16) Acetone	4.301	43	9800	4.741	ug/l	94
18) Methyl Acetate	4.865	43	2309	0.461	ug/l #	84
25) 2-Butanone	7.343	43	1268	0.429	ug/l	99
31) Cyclohexane	8.086	56	10614	1.450	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	32472	5.077	ug/l #	50
38) Carbon Tetrachloride	8.091	117	33130	4.819	ug/l #	16
43) Isopropyl Acetate	8.719	43	8923	0.734	ug/l #	58
51) 4-Methyl-2-Pentanone	10.333	43	4269	0.610	ug/l #	87
59) 2-Hexanone	11.090	43	5910	1.152	ug/l	96
74) N-amyl acetate	12.396	43	3596	0.484	ug/l #	88
76) 1,2,3-Trichloropropane	12.734	75	137344	33.379	ug/l #	100
78) n-propylbenzene	12.921	91	3813	0.211	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.734	75	137344	82.724	ug/l #	6
82) 4-Chlorotoluene	13.109	91	2722	0.243	ug/l	95
86) p-Isopropyltoluene	13.613	119	2444	0.210	ug/l #	61
87) 1,3-Dichlorobenzene	13.621	146	1665	0.298	ug/l #	83
88) 1,4-Dichlorobenzene	13.621	146	1665	0.296	ug/l	85
89) n-Butylbenzene	13.943	91	4511	0.412	ug/l	98
91) 1,2-Dichlorobenzene	13.994	146	1843	0.348	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.603	75	482	0.425	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.265	180	2893	1.046	ug/l	94
95) Naphthalene	15.509	128	19547	4.533	ug/l	98
96) 1,2,3-Trichlorobenzene	15.708	180	3260	1.227	ug/l	91

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

Quant Time: Jun 23 04:07:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

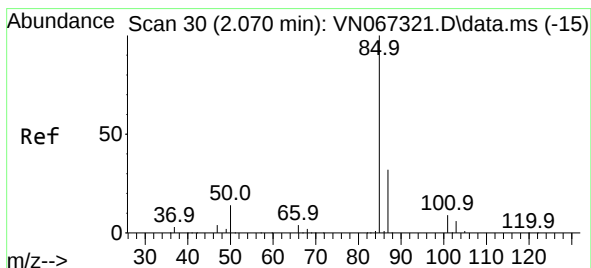
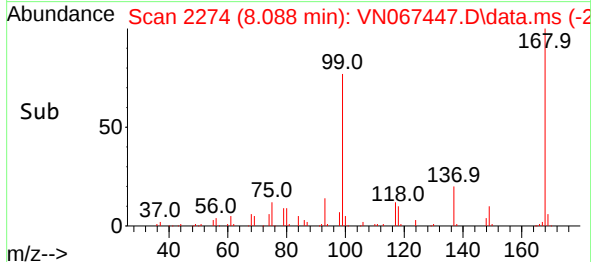
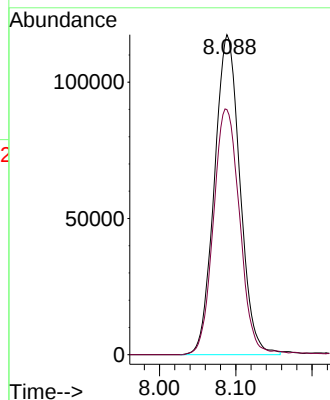
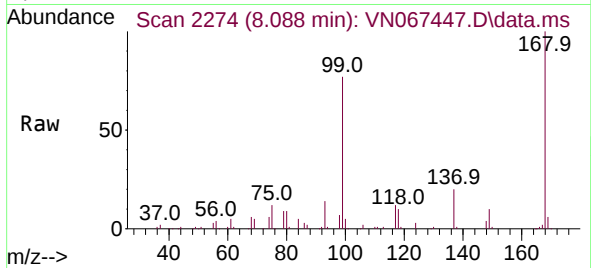




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

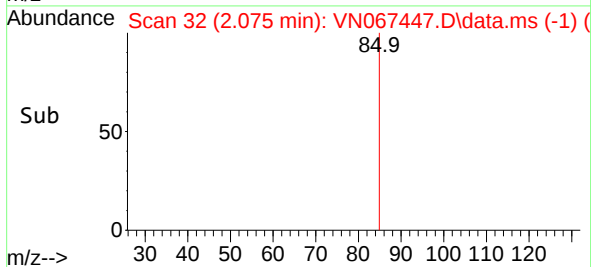
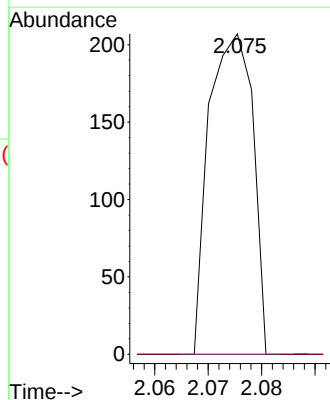
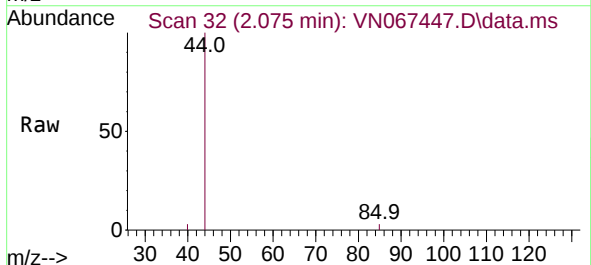
Instrument :
MSVOA_N
ClientSampleId :

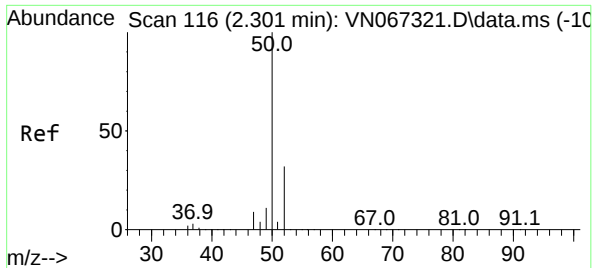
Tgt Ion:168 Resp: 273043
Ion Ratio Lower Upper
168 100
99 76.6 62.9 94.3



#2
Dichlorodifluoromethane
Concen: 1.352 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.005 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 85 Resp: 118
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: 0.250 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN067447.D

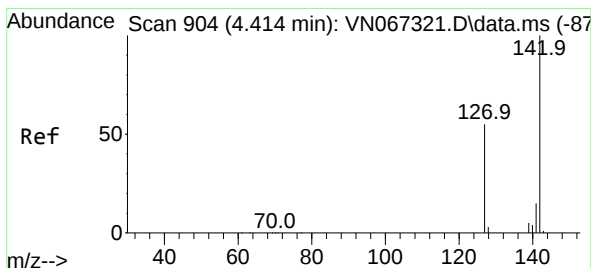
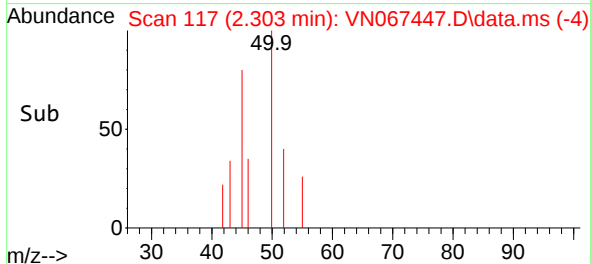
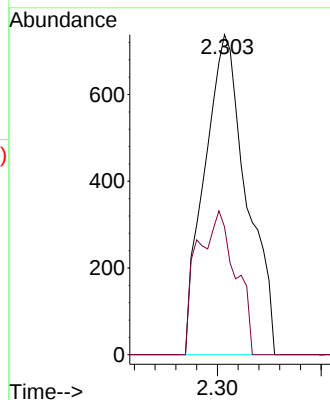
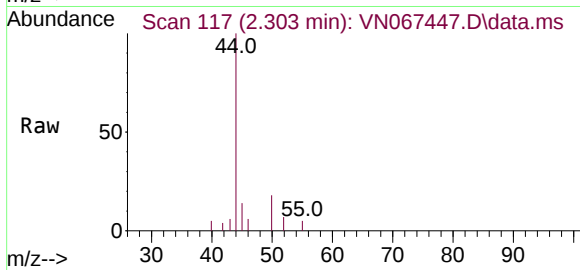
Acq: 22 Jun 2021 19:40

Tgt Ion: 50 Resp: 1037

Ion Ratio Lower Upper

50 100

52 40.0 25.6 38.4#



#10

Methyl Iodide

Concen: 6.793 ug/l

RT: 4.411 min Scan# 903

Delta R.T. -0.003 min

Lab File: VN067447.D

Acq: 22 Jun 2021 19:40

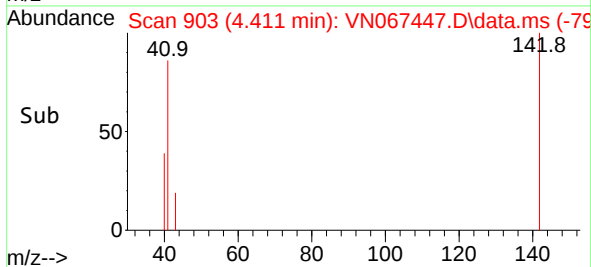
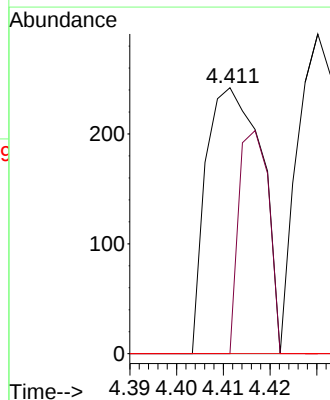
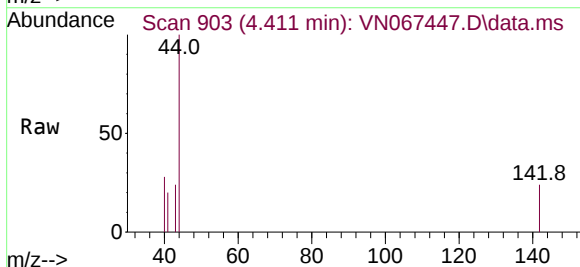
Tgt Ion: 142 Resp: 199

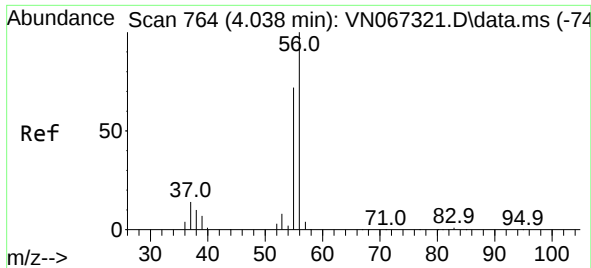
Ion Ratio Lower Upper

142 100

127 45.2 43.1 64.7

141 0.0 11.4 17.0#

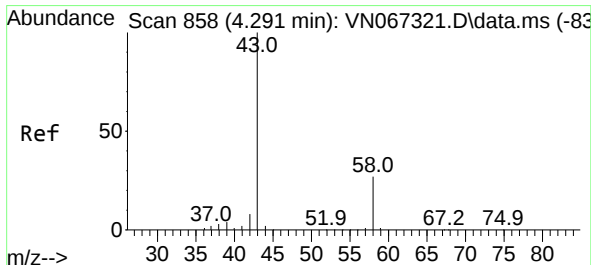
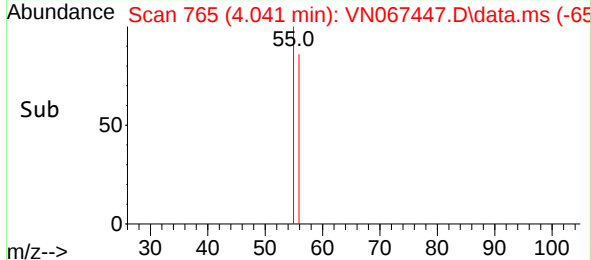
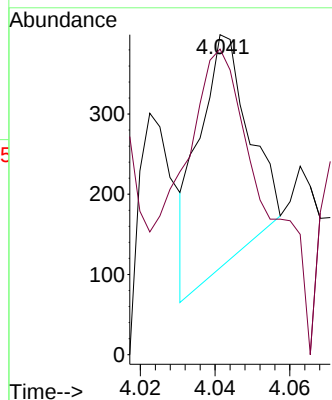
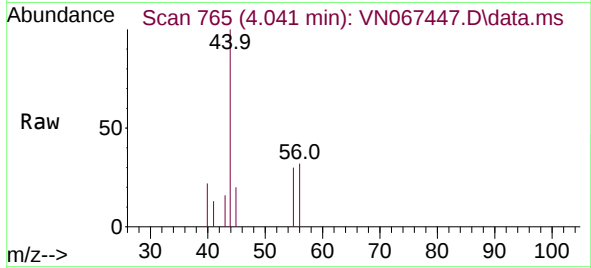




#13
Acrolein
Concen: 0.490 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

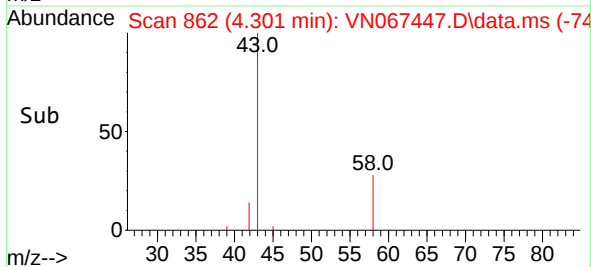
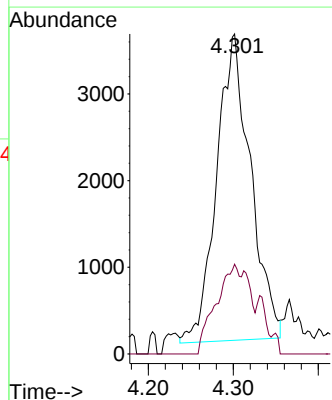
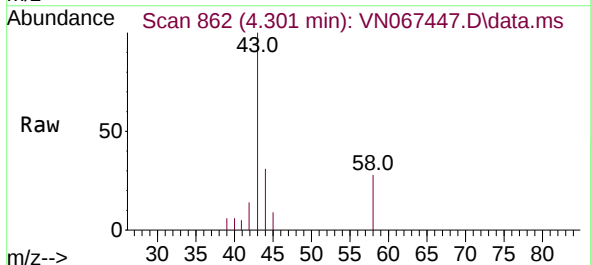
Instrument :
MSVOA_N
ClientSampled :

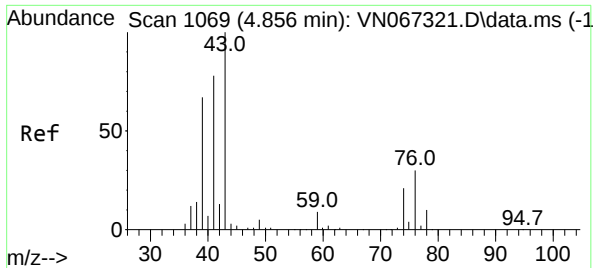
Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 217.3 57.4 86.0#



#16
Acetone
Concen: 4.741 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 43 Resp: 9800
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8

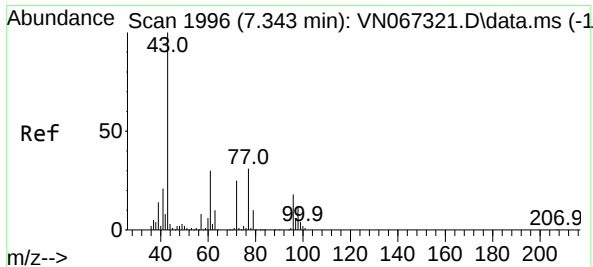
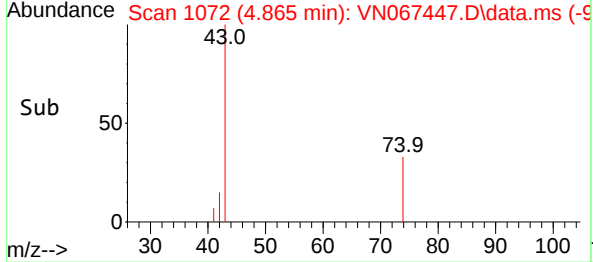
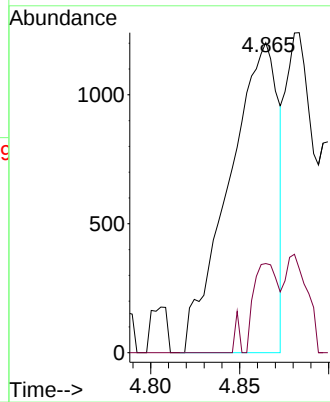
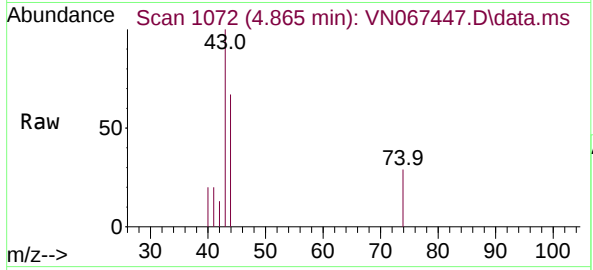




#18
Methyl Acetate
Concen: 0.461 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.009 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

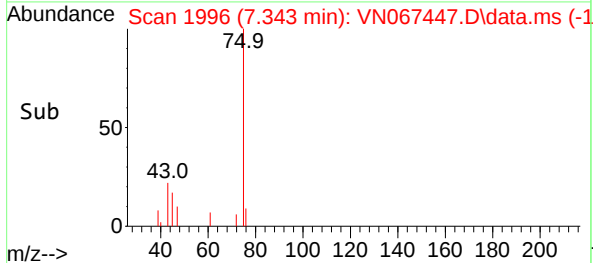
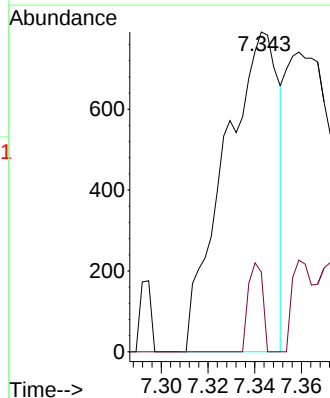
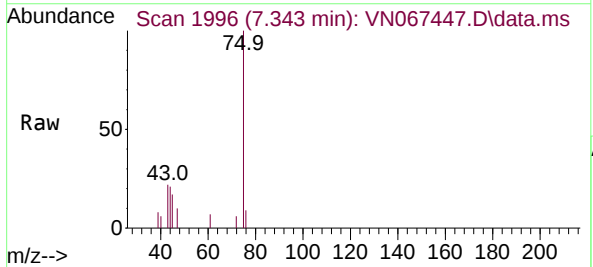
Instrument :
MSVOA_N
ClientSampled :

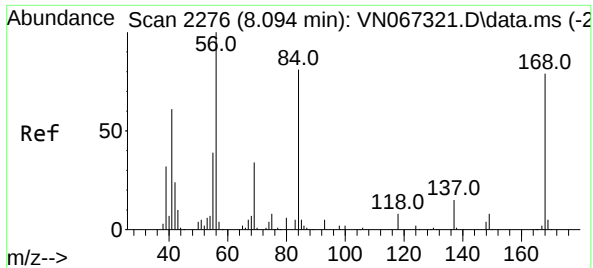
Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
74 14.3 17.4 26.0#



#25
2-Butanone
Concen: 0.429 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
72 24.9 19.7 29.5

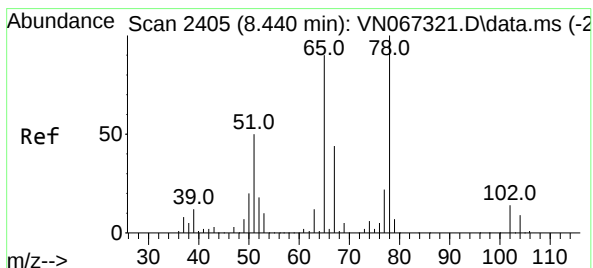
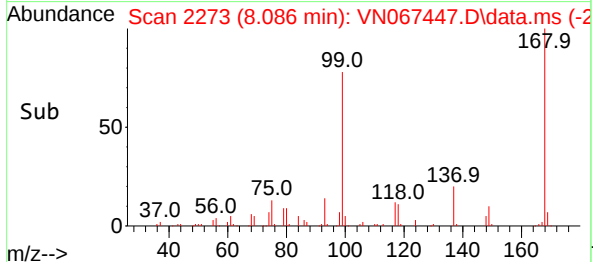
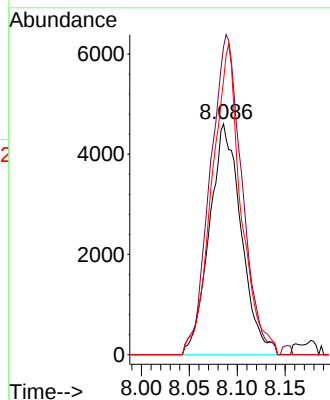
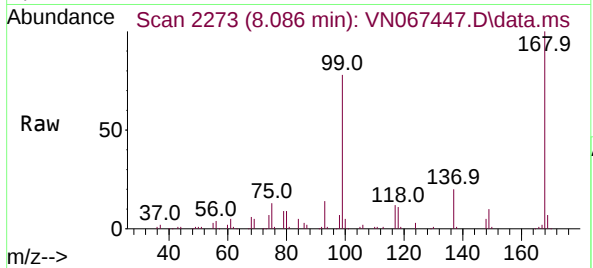




#31
Cyclohexane
Concen: 1.450 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

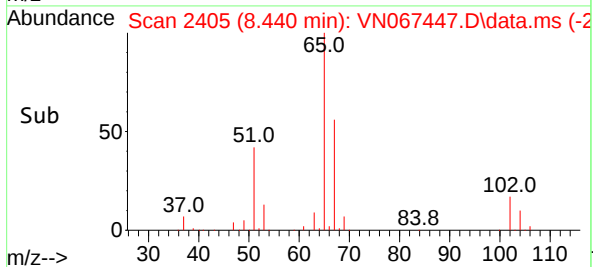
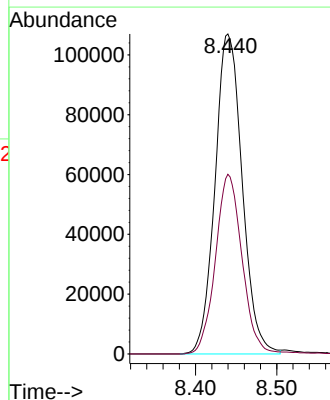
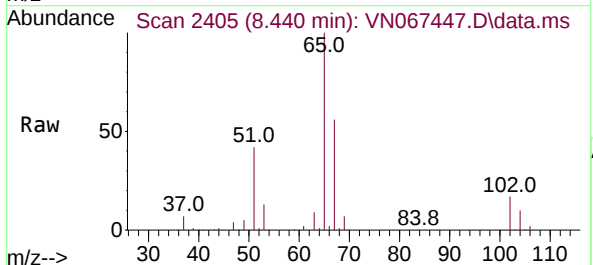
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MSVOA_N
ClientSampleId :

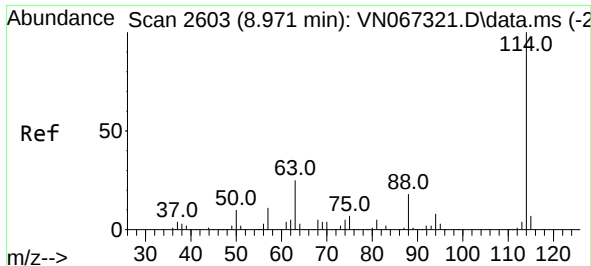
Tgt Ion: 56 Resp: 10614
Ion Ratio Lower Upper
56 100
69 133.4 27.3 40.9#
84 118.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 46.285 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 65 Resp: 249310
Ion Ratio Lower Upper
65 100
67 55.0 0.0 98.6

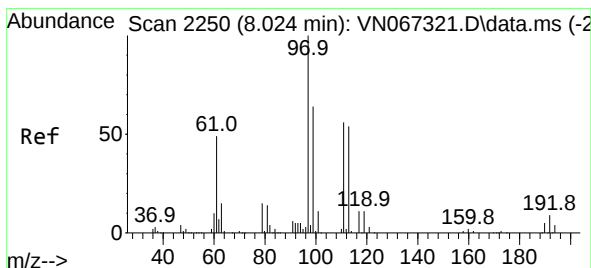
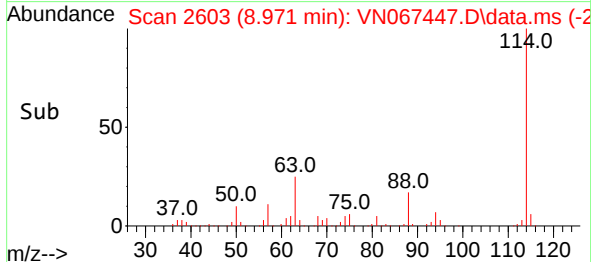
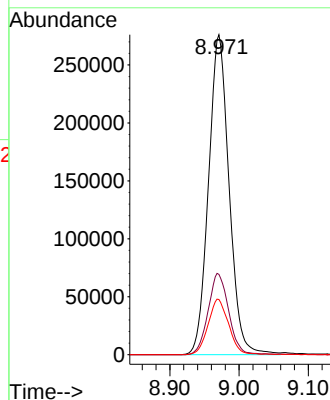
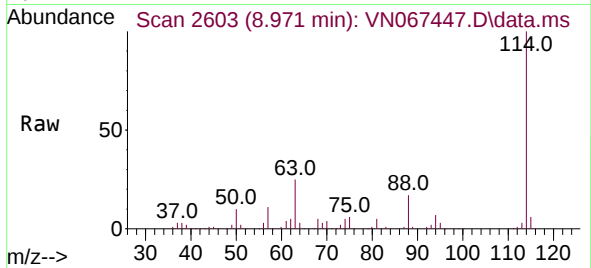




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

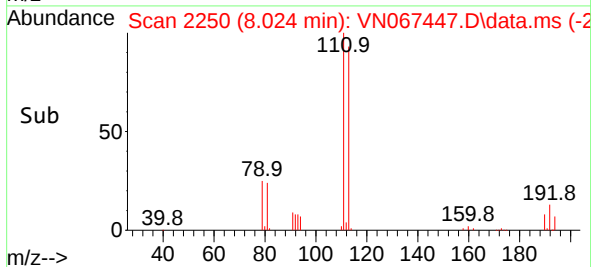
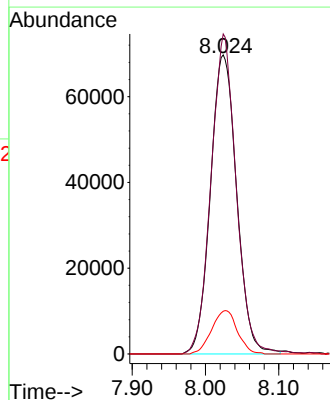
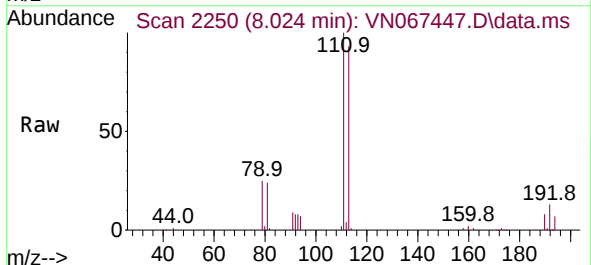
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MSVOA_N
ClientSampled :

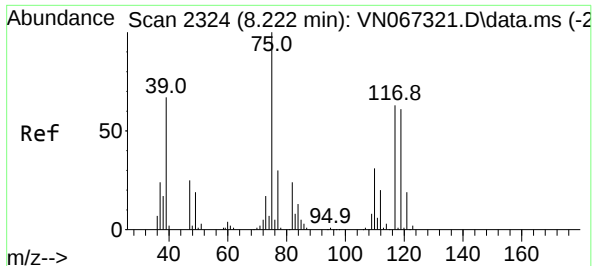
Tgt Ion:114 Resp: 570518
Ion Ratio Lower Upper
114 100
63 25.1 0.0 49.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.719 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

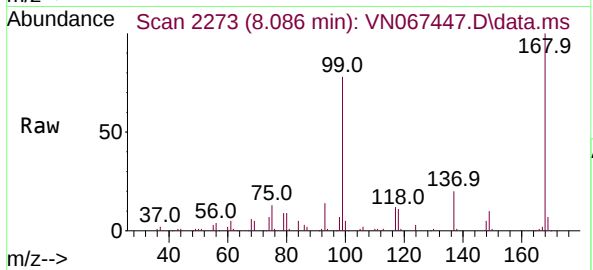
Tgt Ion:113 Resp: 173476
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 14.2 13.4 20.0



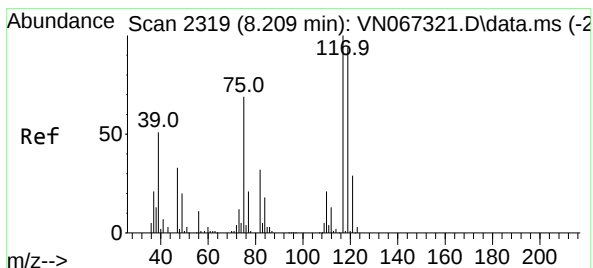
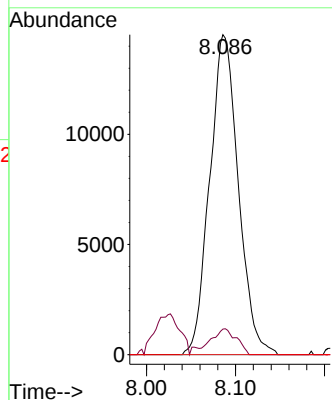
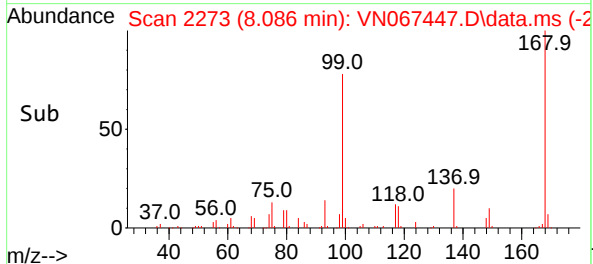


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

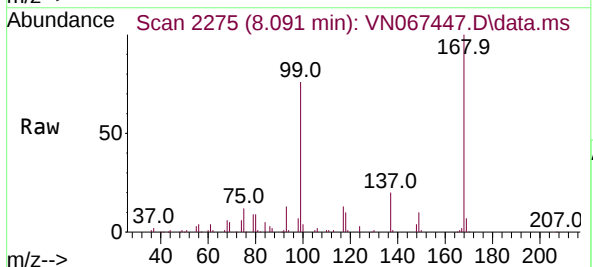
Instrument :
MSVOA_N
ClientSampled :



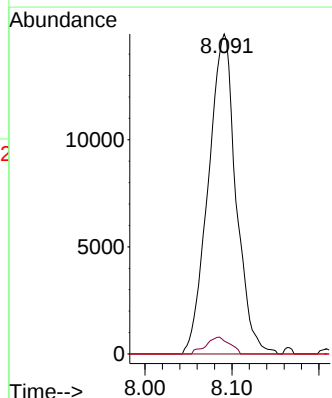
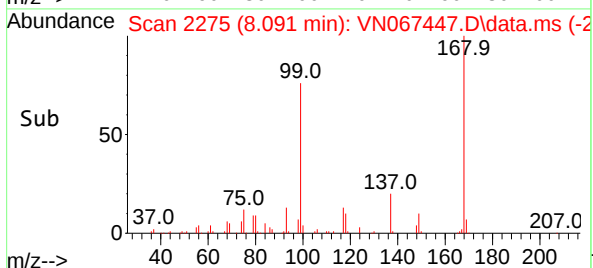
Tgt Ion: 75 Resp: 32472
Ion Ratio Lower Upper
75 100
110 7.1 15.7 47.0#
77 0.0 24.6 37.0#

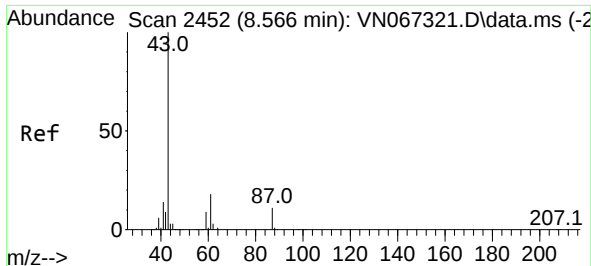


#38
Carbon Tetrachloride
Concen: 4.819 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40



Tgt Ion: 117 Resp: 33130
Ion Ratio Lower Upper
117 100
119 4.1 75.4 113.2#
121 0.0 23.5 35.3#





#43

Isopropyl Acetate

Concen: 0.734 ug/l

RT: 8.719 min Scan# 2509

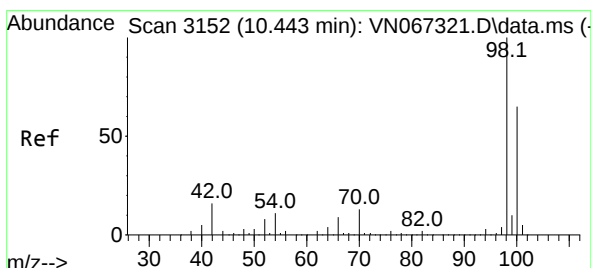
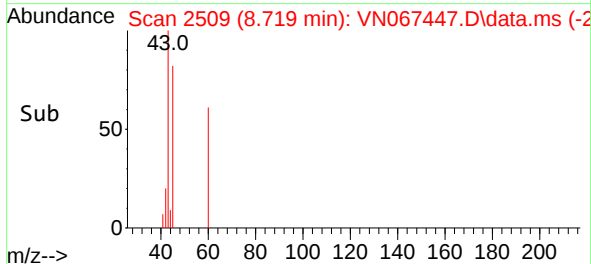
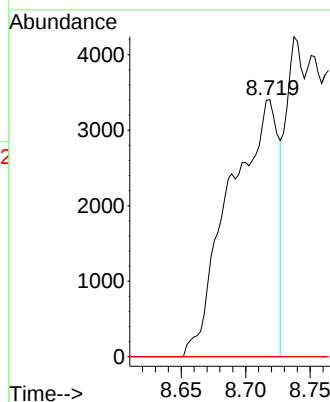
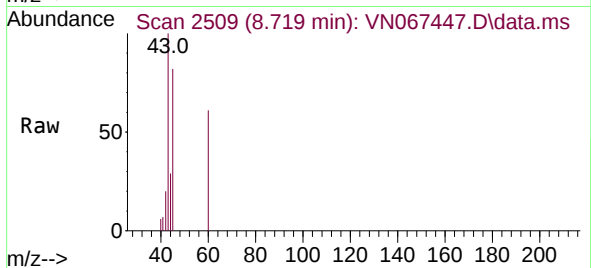
Delta R.T. 0.153 min

Lab File: VN067447.D

Acq: 22 Jun 2021 19:40

Tgt Ion: 43	Resp: 8923
Ion Ratio	Lower Upper
43	100
61	0.0 19.0 28.4#
87	0.0 9.5 14.3#

Instrument :
MSVOA_N
ClientSampled :



#50

Toluene-d8

Concen: 51.562 ug/l

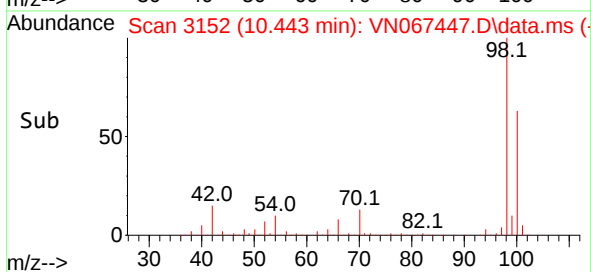
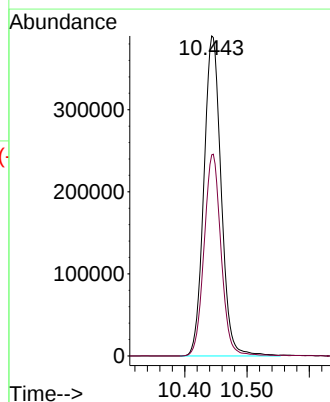
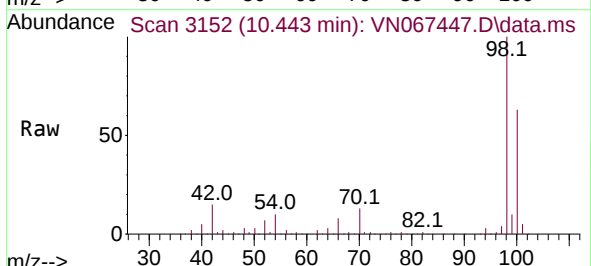
RT: 10.443 min Scan# 3152

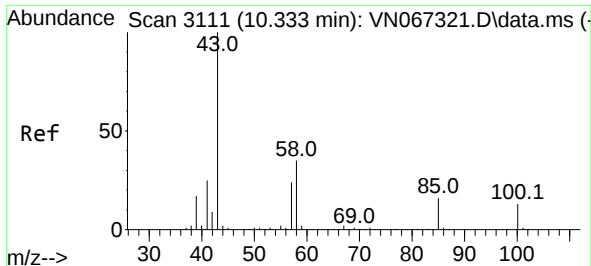
Delta R.T. 0.000 min

Lab File: VN067447.D

Acq: 22 Jun 2021 19:40

Tgt Ion: 98	Resp: 749885
Ion Ratio	Lower Upper
98	100
100	62.0 51.7 77.5

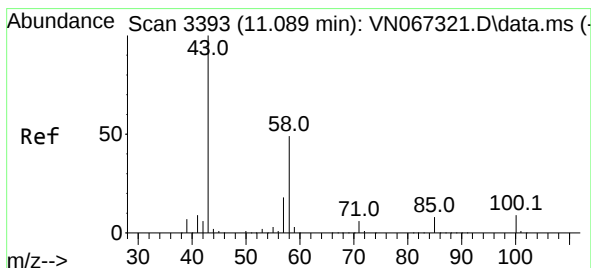
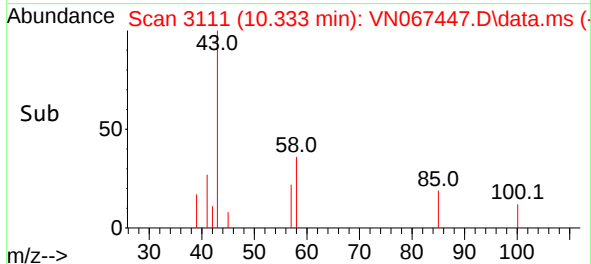
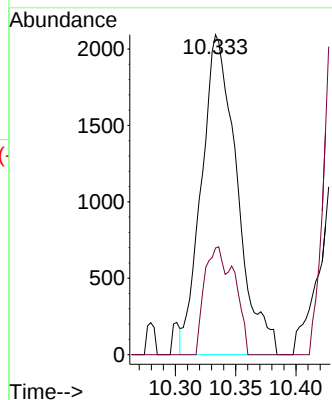
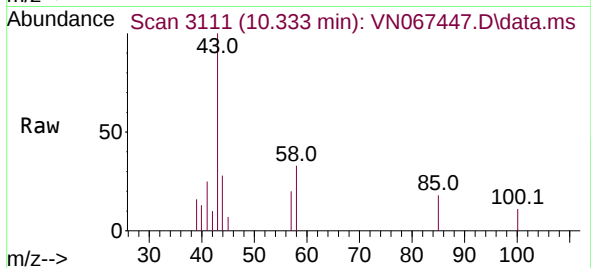




#51
4-Methyl-2-Pentanone
Concen: 0.610 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

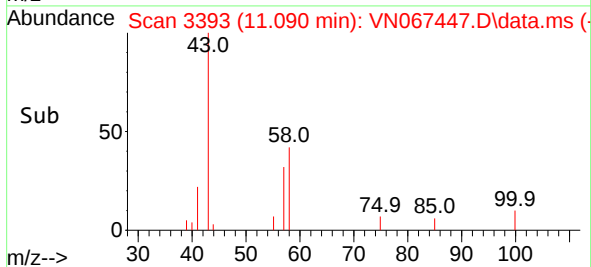
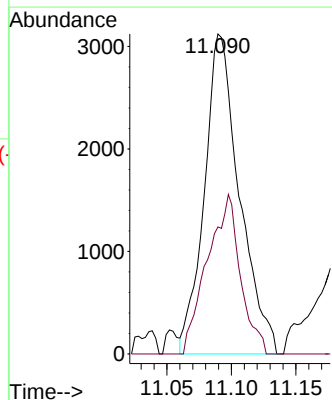
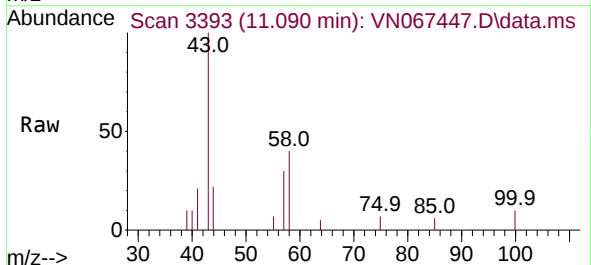
Instrument :
MSVOA_N
ClientSampled :

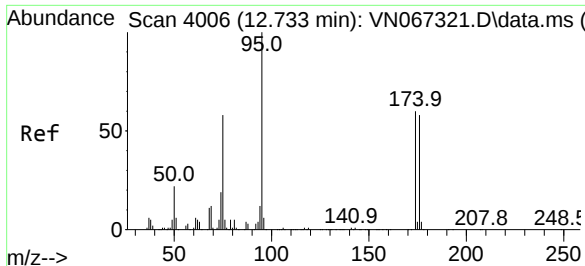
Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
58 28.4 28.6 43.0#



#59
2-Hexanone
Concen: 1.152 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.001 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 43 Resp: 5910
Ion Ratio Lower Upper
43 100
58 46.9 24.7 74.1

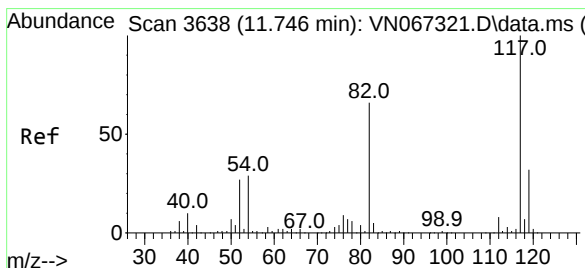
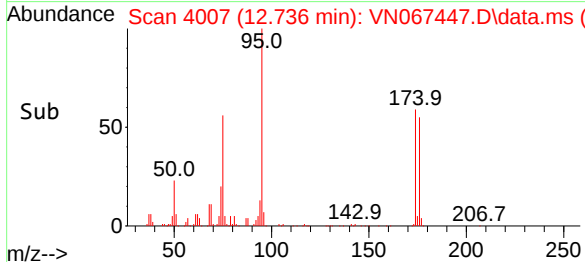
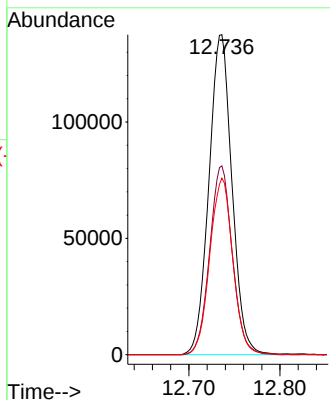
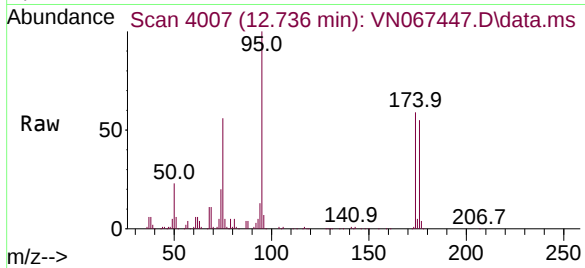




#62
4-Bromofluorobenzene
Concen: 40.251 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

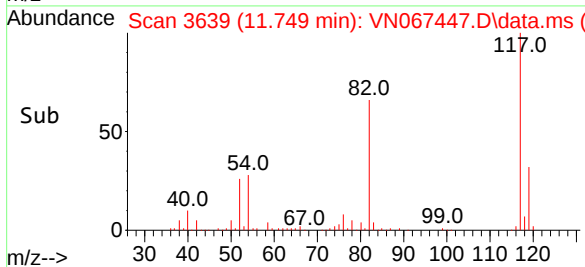
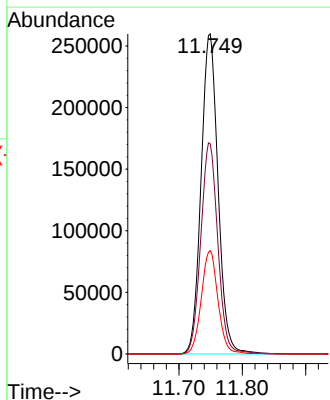
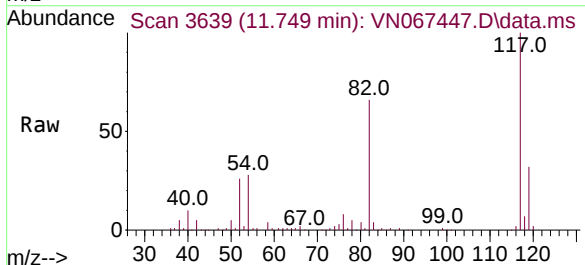
Instrument :
MSVOA_N
ClientSampleId :

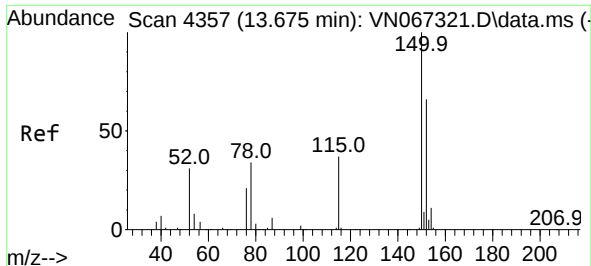
Tgt Ion: 95 Resp: 241581
Ion Ratio Lower Upper
95 100
174 58.1 0.0 122.0
176 55.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 117 Resp: 483515
Ion Ratio Lower Upper
117 100
82 65.7 53.1 79.7
119 32.3 25.5 38.3

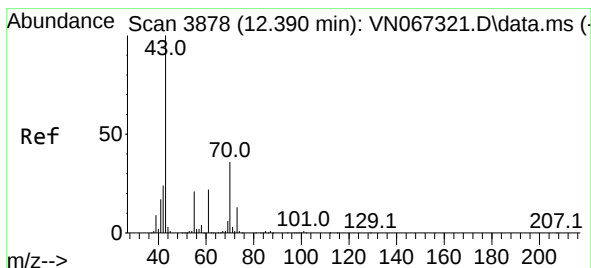
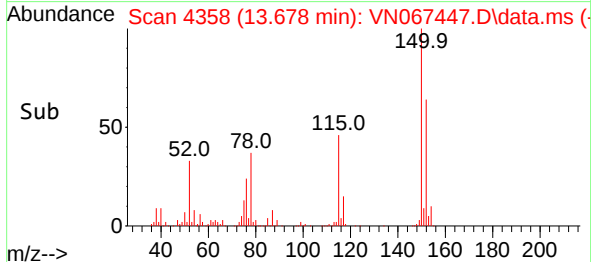
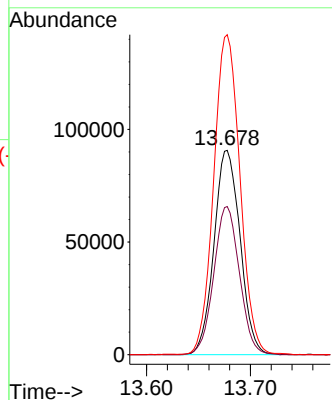
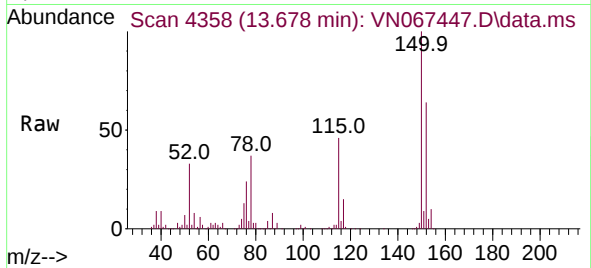




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

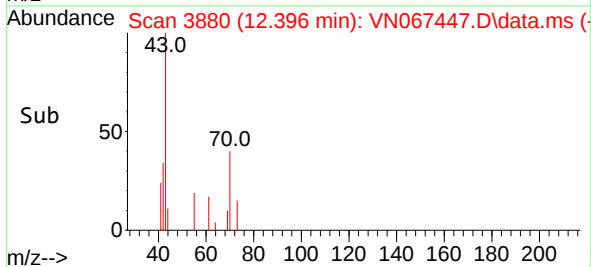
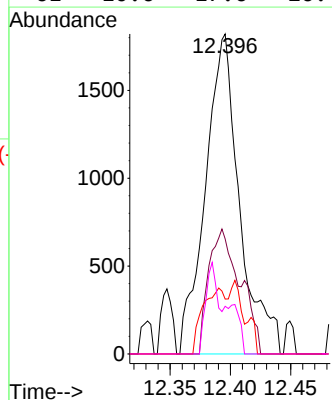
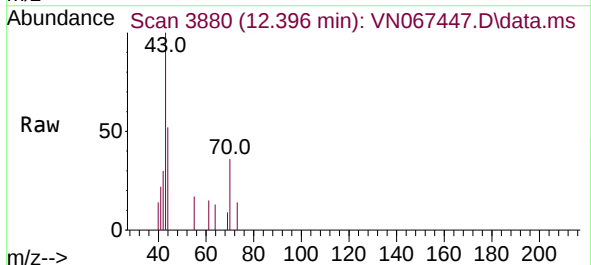
Instrument :
MSVOA_N
ClientSampled :

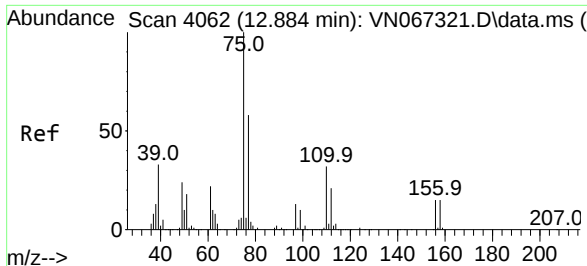
Tgt Ion:152 Resp: 158450
Ion Ratio Lower Upper
152 100
115 71.4 36.1 108.5
150 158.0 0.0 351.8



#74
N-ethyl acetate
Concen: 0.484 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 43 Resp: 3596
Ion Ratio Lower Upper
43 100
70 36.0 29.4 44.2
55 13.3 17.0 25.4#
61 10.6 17.6 26.4#

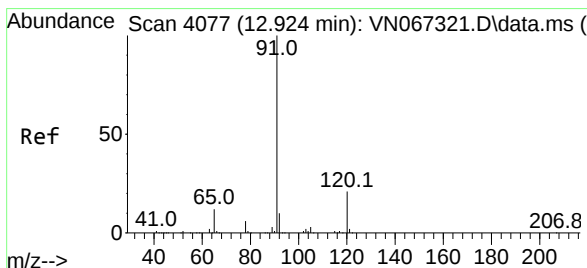
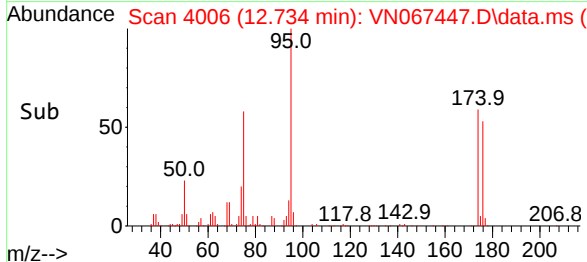
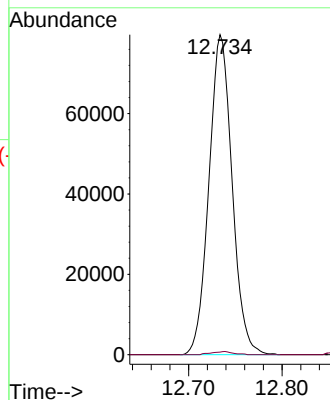
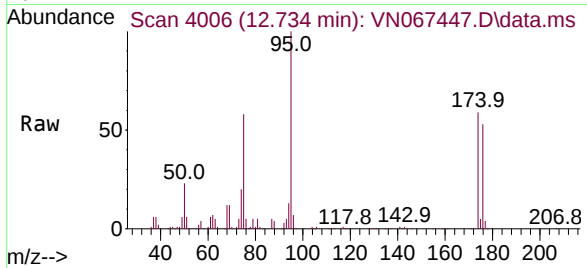




#76
1,2,3-Trichloropropane
Concen: 33.379 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

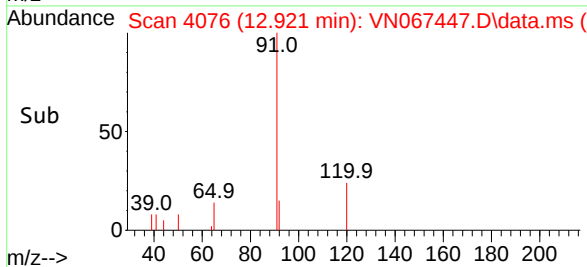
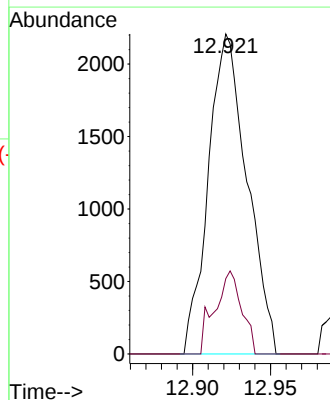
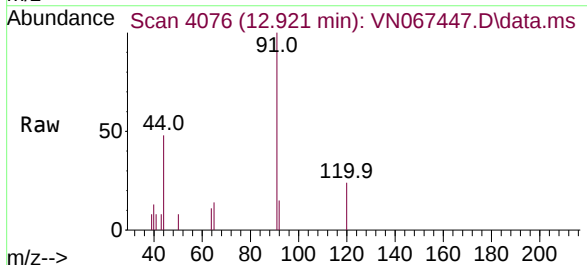
Instrument :
MSVOA_N
ClientSampleId :

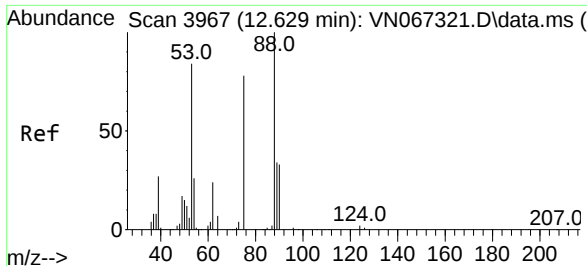
Tgt Ion: 75 Resp: 137344
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#78
n-propylbenzene
Concen: 0.211 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

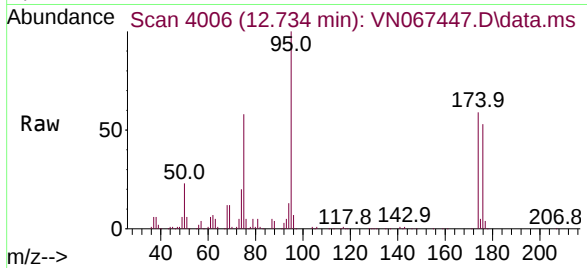
Tgt Ion: 91 Resp: 3813
Ion Ratio Lower Upper
91 100
120 18.0 10.4 31.4



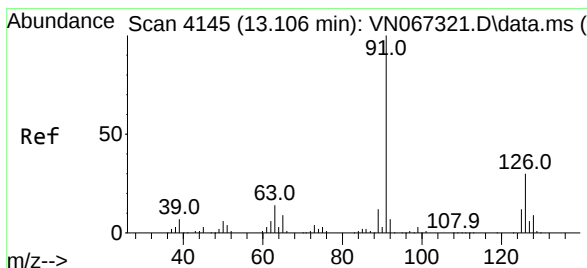
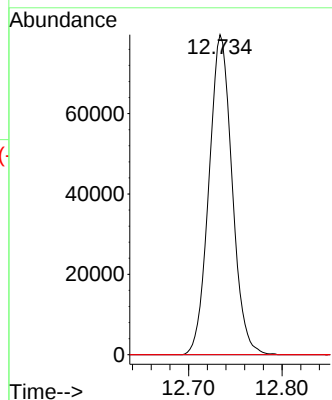
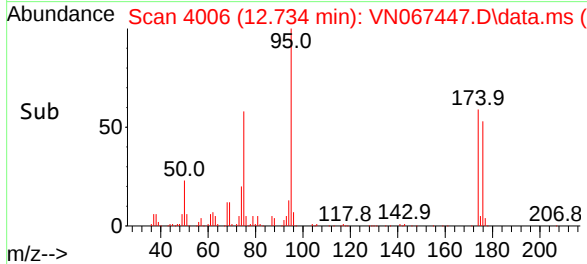


#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.724 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067447.D
 Acq: 22 Jun 2021 19:40

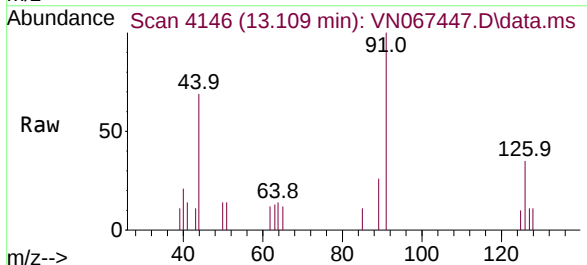
Instrument :
 MSVOA_N
 ClientSampleId :



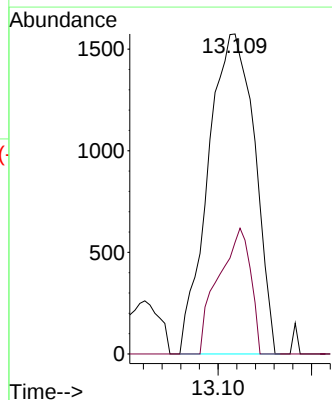
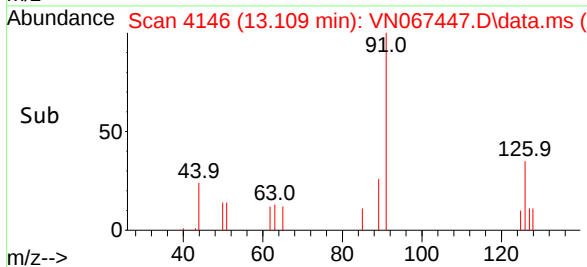
Tgt Ion: 75 Resp: 137344
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#

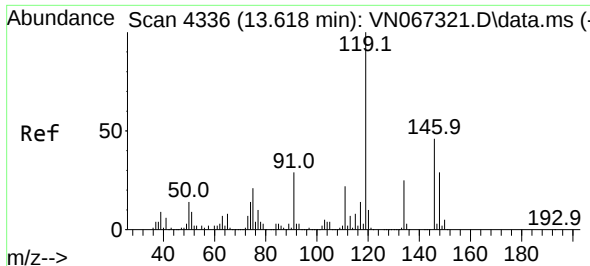


#82
 4-Chlorotoluene
 Concen: 0.243 ug/l
 RT: 13.109 min Scan# 4146
 Delta R.T. 0.003 min
 Lab File: VN067447.D
 Acq: 22 Jun 2021 19:40



Tgt Ion: 91 Resp: 2722
 Ion Ratio Lower Upper
 91 100
 126 27.1 14.8 44.4

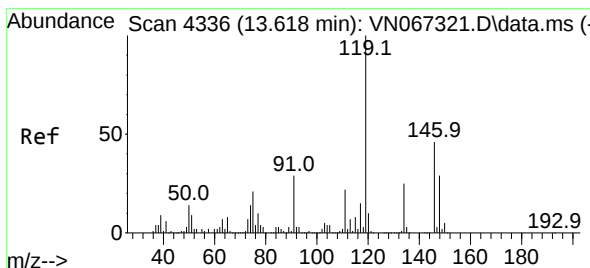
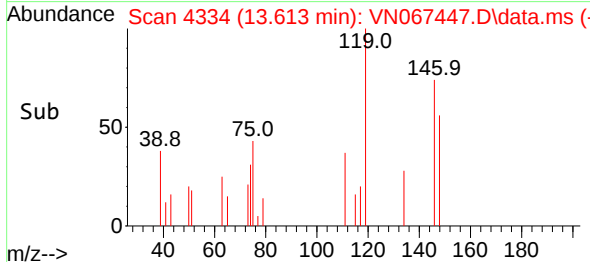
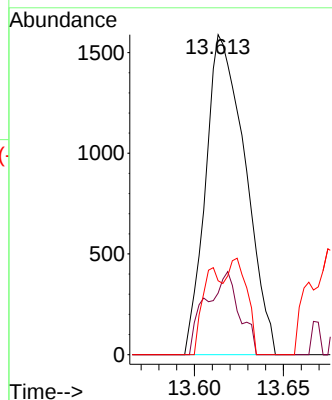
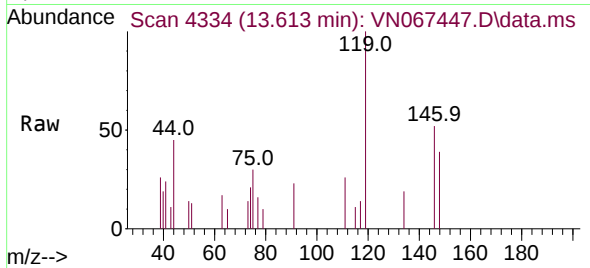




#86
p-Isopropyltoluene
Concen: 0.210 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.005 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

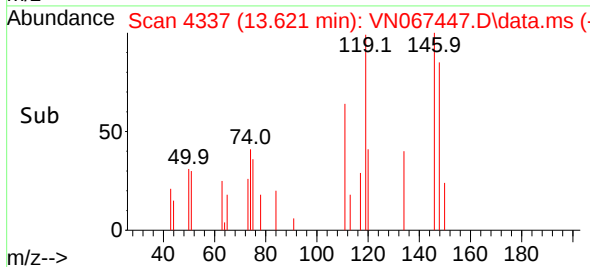
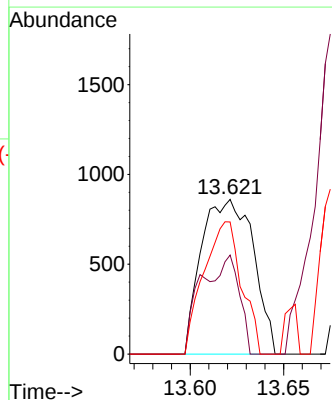
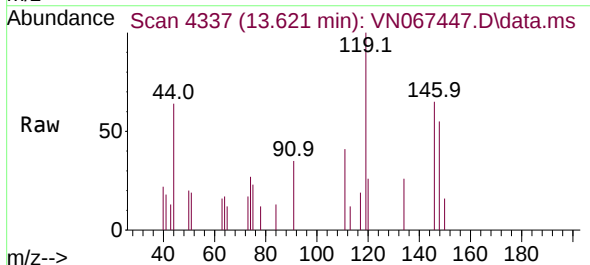
Instrument :
MSVOA_N
ClientSampled :

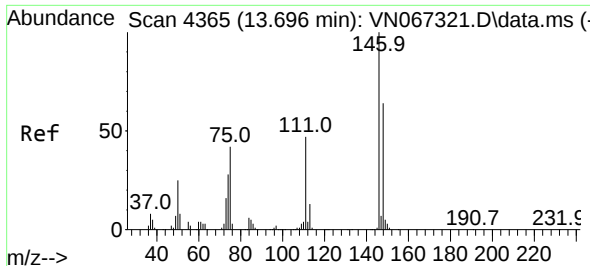
Tgt Ion:119 Resp: 2444
Ion Ratio Lower Upper
119 100
134 0.0 12.4 37.4#
91 13.7 14.8 44.3#



#87
1,3-Dichlorobenzene
Concen: 0.298 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion:146 Resp: 1665
Ion Ratio Lower Upper
146 100
111 24.2 24.3 72.8#
148 62.3 32.0 96.0

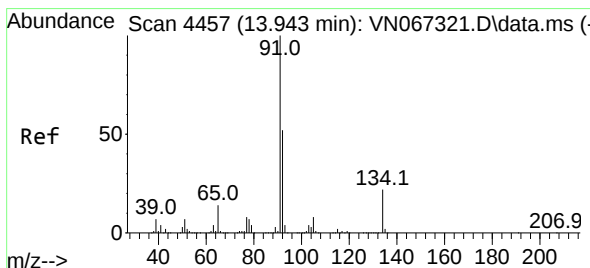
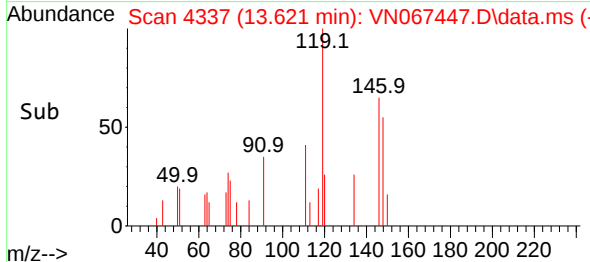
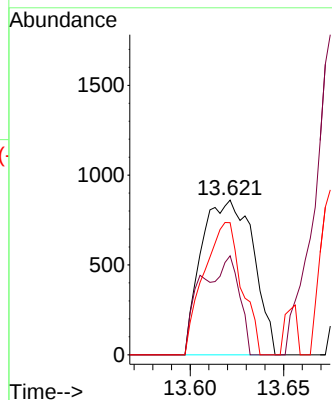
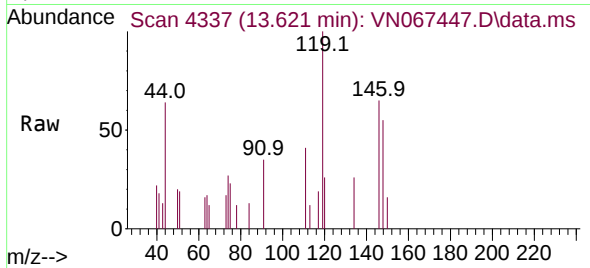




#88
1,4-Dichlorobenzene
Concen: 0.296 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. -0.075 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

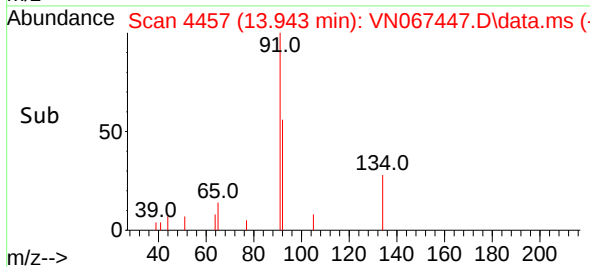
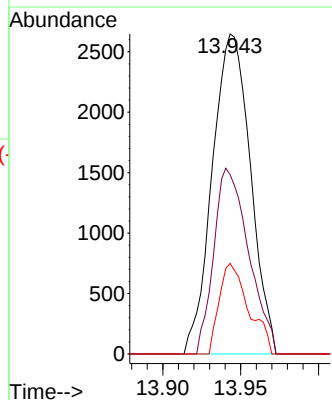
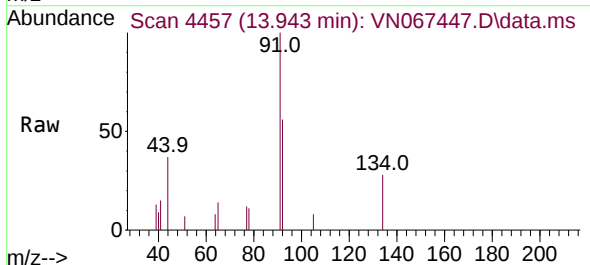
Instrument :
MSVOA_N
ClientSampled :

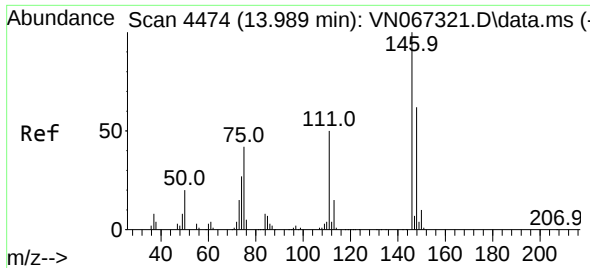
Tgt Ion:146 Resp: 1665
Ion Ratio Lower Upper
146 100
111 24.2 23.4 70.2
148 62.3 31.8 95.3



#89
n-Butylbenzene
Concen: 0.412 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 91 Resp: 4511
Ion Ratio Lower Upper
91 100
92 52.9 25.7 77.1
134 21.8 11.2 33.6

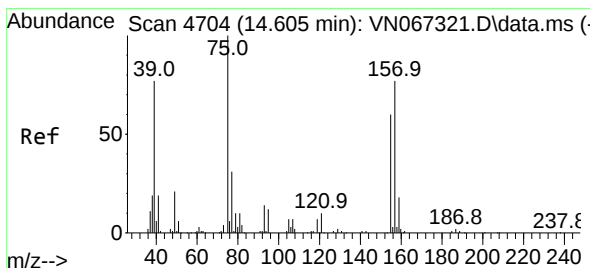
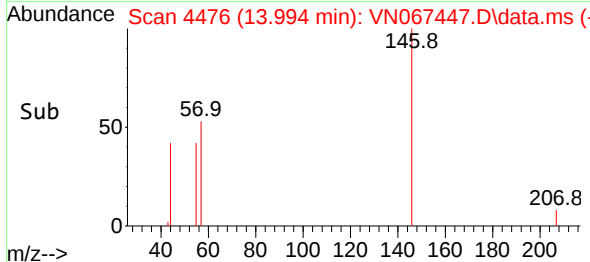
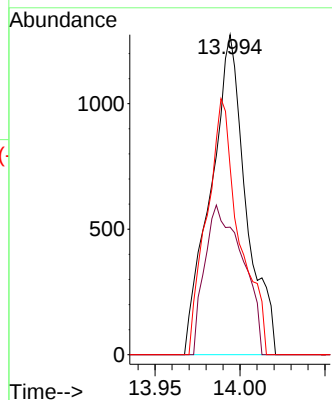
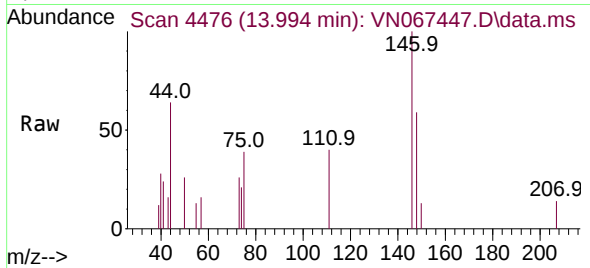




#91
1,2-Dichlorobenzene
Concen: 0.348 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.005 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

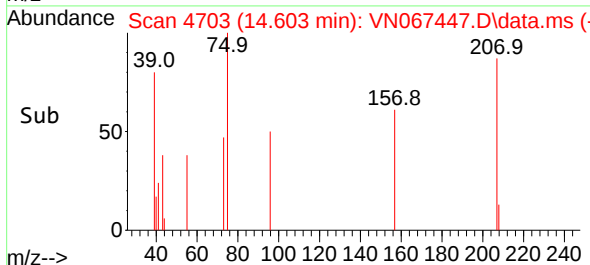
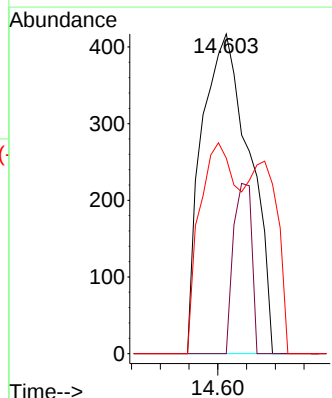
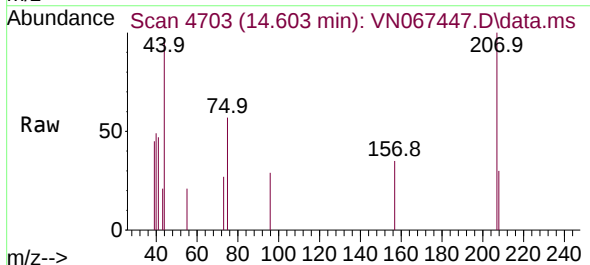
Instrument :
MSVOA_N
ClientSampled :

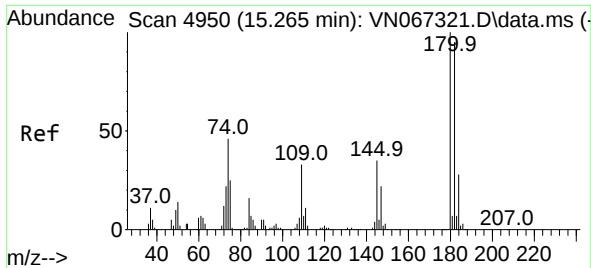
Tgt Ion:146 Resp: 1843
Ion Ratio Lower Upper
146 100
111 50.1 24.9 74.6
148 73.1 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.425 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.002 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

Tgt Ion: 75 Resp: 482
Ion Ratio Lower Upper
75 100
155 20.3 29.8 89.5#
157 53.1 37.6 112.8

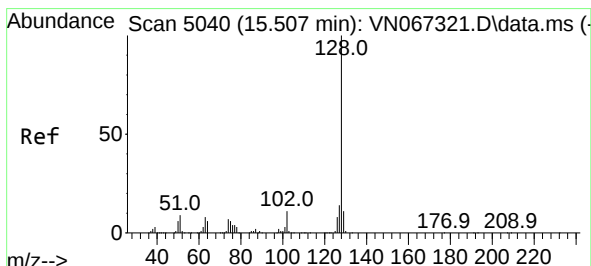
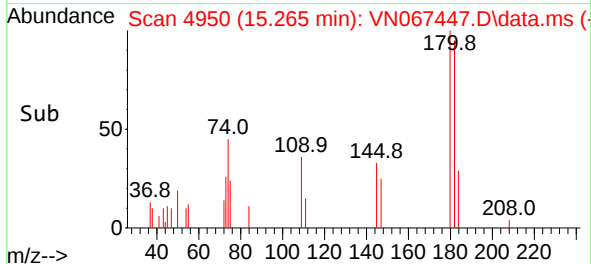
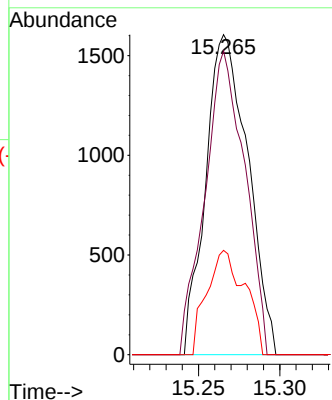
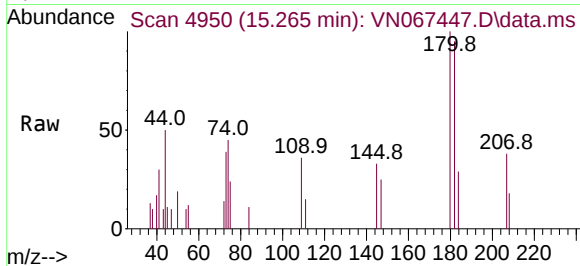




#93
1,2,4-Trichlorobenzene
Concen: 1.046 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

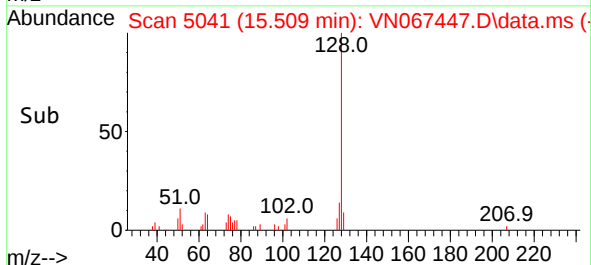
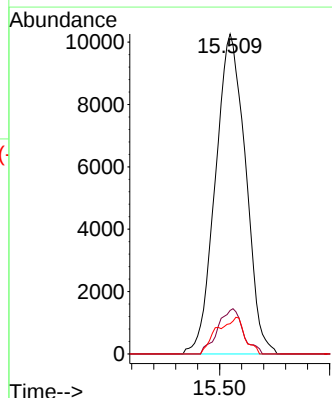
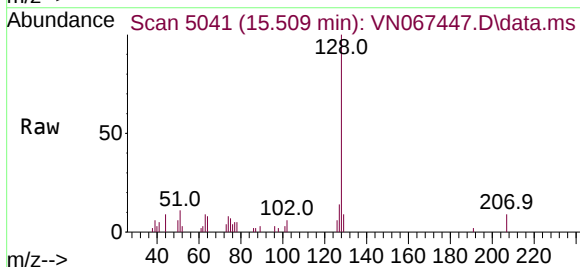
Instrument :
MSVOA_N
ClientSampled :

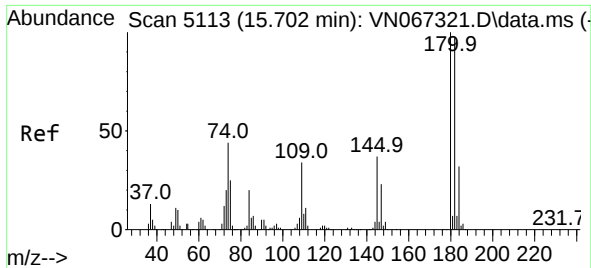
Tgt Ion:180 Resp: 2893
Ion Ratio Lower Upper
180 100
182 90.0 47.5 142.5
145 29.4 17.2 51.6



#95
Naphthalene
Concen: 4.533 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067447.D
Acq: 22 Jun 2021 19:40

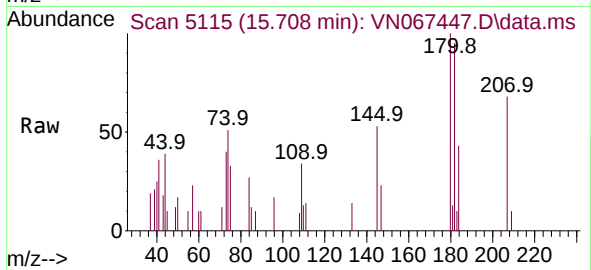
Tgt Ion:128 Resp: 19547
Ion Ratio Lower Upper
128 100
127 11.8 10.6 15.8
129 10.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.227 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN067447.D
 Acq: 22 Jun 2021 19:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	3260
Ion	Ratio	Lower	Upper
180	100		
182	100.2	47.8	143.3
145	49.2	18.2	54.6

