

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067985.D
 Acq On : 3 Aug 2021 16:36
 Operator : JC/MD
 Sample : PB138159ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

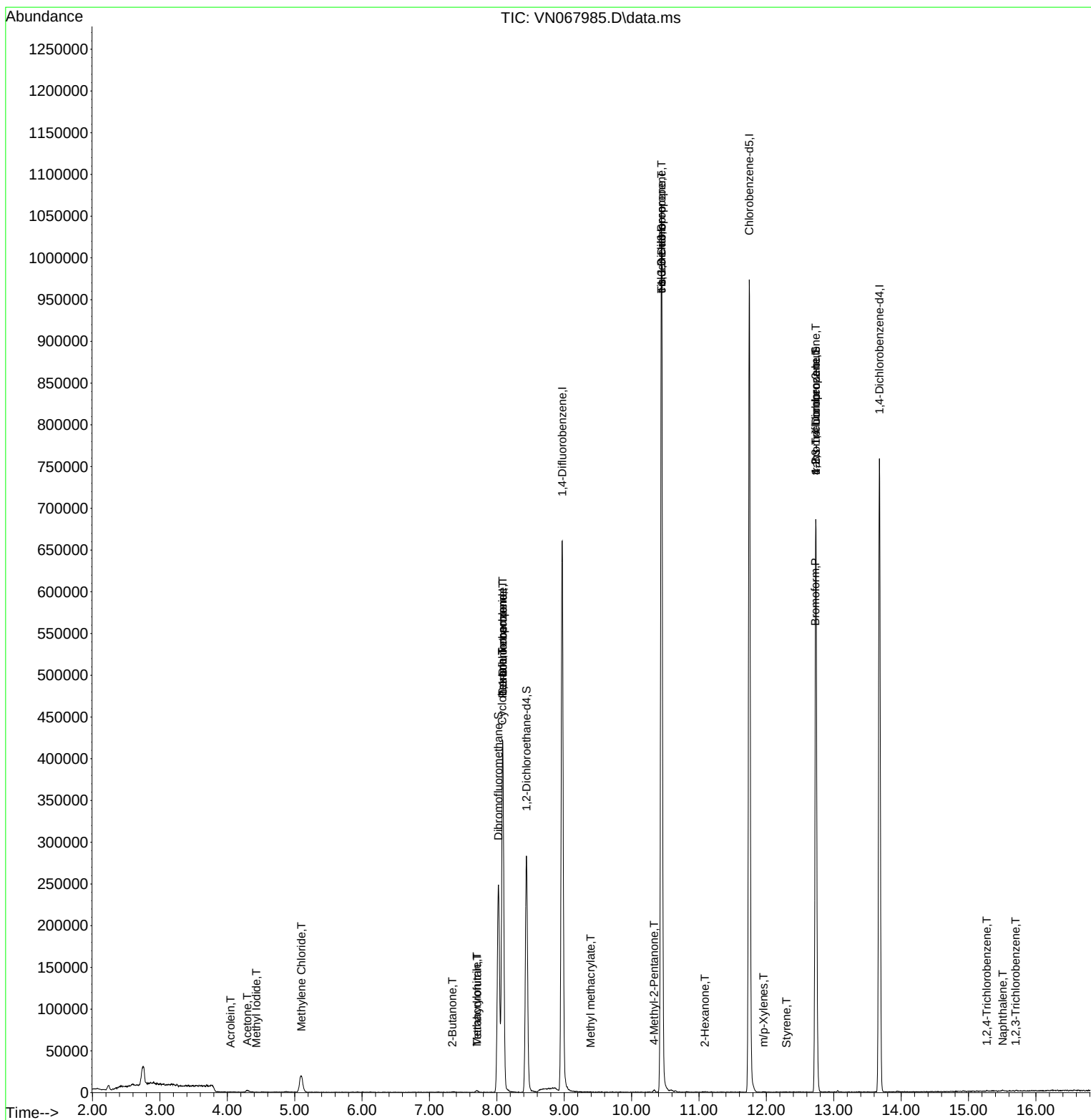
Instrument :
 MSVOA_N
 ClientSampleId :

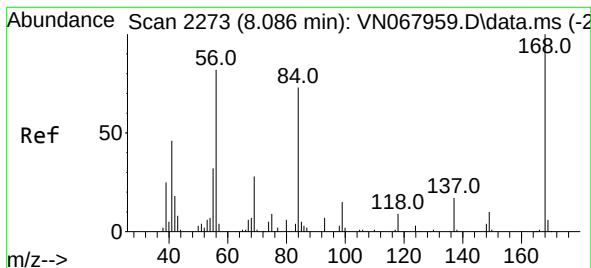
Quant Time: Aug 04 03:40:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	301921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	585668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	562838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	198655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	239478	56.029	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	112.060%
35) Dibromofluoromethane	8.024	113	182715	53.532	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.060%
50) Toluene-d8	10.443	98	744382	47.468	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.940%
62) 4-Bromofluorobenzene	12.734	95	243812	43.054	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.100%
Target Compounds						Qvalue
10) Methyl Iodide	4.430	142	57	3.135	ug/l #	33
13) Acrolein	4.047	56	120	0.309	ug/l #	64
16) Acetone	4.296	43	3954	2.535	ug/l	99
20) Methylene Chloride	5.101	84	17047	4.475	ug/l	85
25) 2-Butanone	7.340	43	491	0.217	ug/l #	51
29) Tetrahydrofuran	7.708	42	1316	0.908	ug/l #	51
31) Cyclohexane	8.080	56	3292	0.522	ug/l #	31
36) 1,1-Dichloropropene	8.086	75	28090	5.185	ug/l #	46
38) Carbon Tetrachloride	8.086	117	34271	6.433	ug/l #	17
41) Methacrylonitrile	7.705	41	836	0.344	ug/l #	30
48) Methyl methacrylate	9.392	41	27	2.311	ug/l #	12
51) 4-Methyl-2-Pentanone	10.336	43	2693	12.980	ug/l #	80
53) t-1,3-Dichloropropene	10.443	75	117	2.849	ug/l #	1
54) cis-1,3-Dichloropropene	10.443	75	117	2.370	ug/l #	1
59) 2-Hexanone	11.087	43	926	13.487	ug/l	80
68) m/p-Xylenes	11.958	106	111	4.074	ug/l #	66
70) Styrene	12.299	104	108	2.639	ug/l #	22
71) Bromoform	12.726	173	850	4.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	136460	34.204	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	136460	91.666	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	408	2.601	ug/l #	43
95) Naphthalene	15.507	128	1034	3.237	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.700	180	255	2.456	ug/l #	75

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

Quant Time: Aug 04 03:40:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067985.D

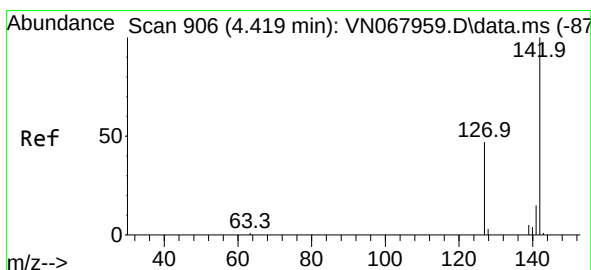
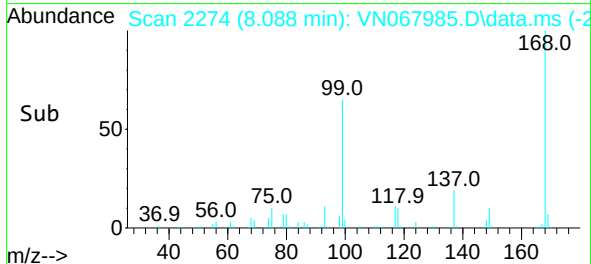
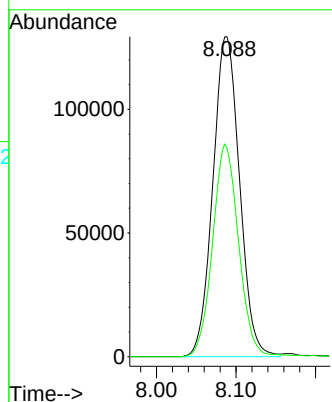
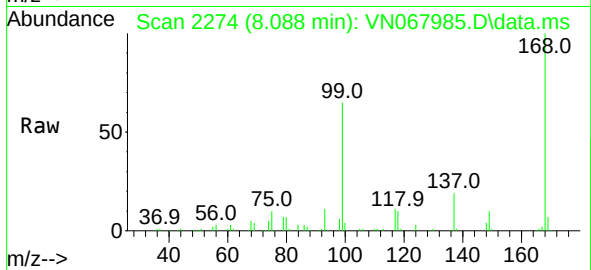
Acq: 3 Aug 2021 16:36

Tgt Ion:168 Resp: 301921

Ion Ratio Lower Upper

168 100

99 65.3 62.9 94.3



#10

Methyl Iodide

Concen: 3.135 ug/l

RT: 4.430 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN067985.D

Acq: 3 Aug 2021 16:36

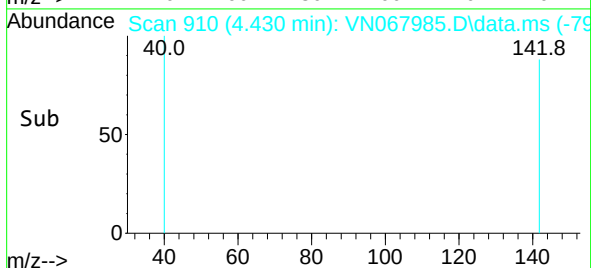
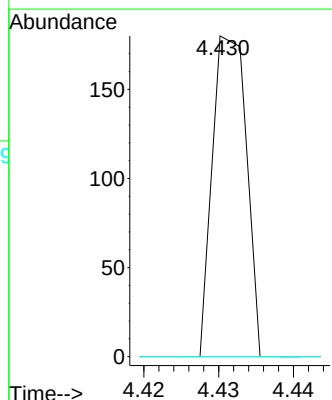
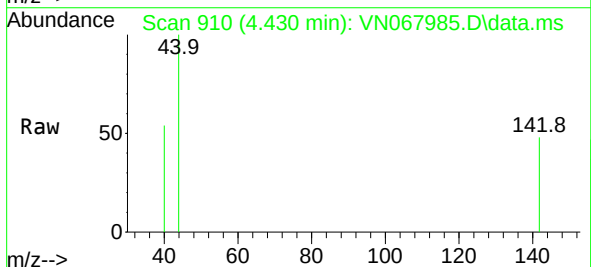
Tgt Ion:142 Resp: 57

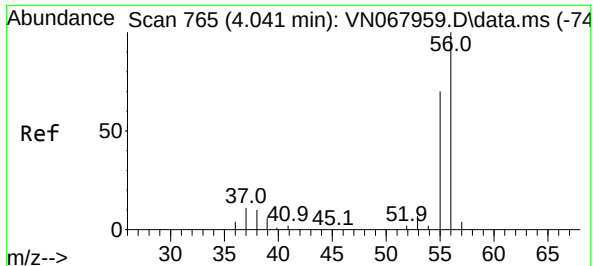
Ion Ratio Lower Upper

142 100

127 0.0 43.1 64.7#

141 0.0 11.4 17.0#

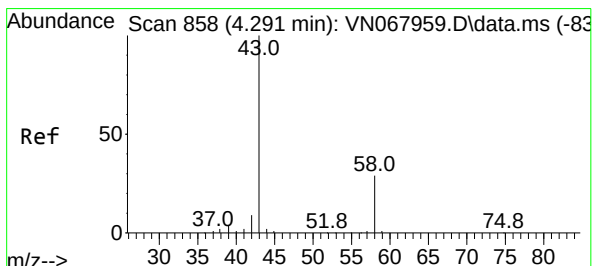
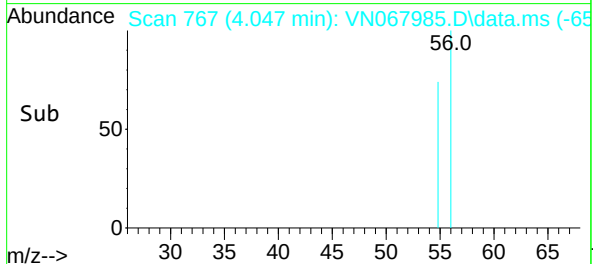
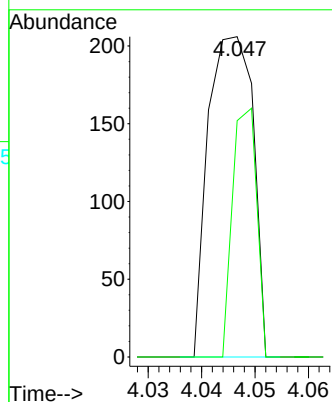
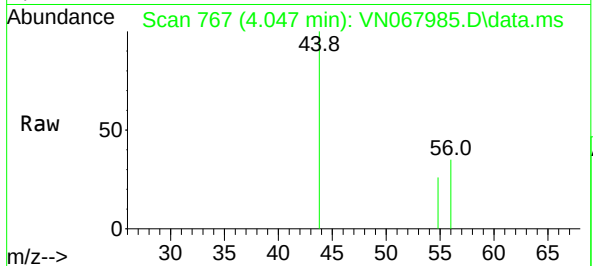




#13
Acrolein
Concen: 0.309 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

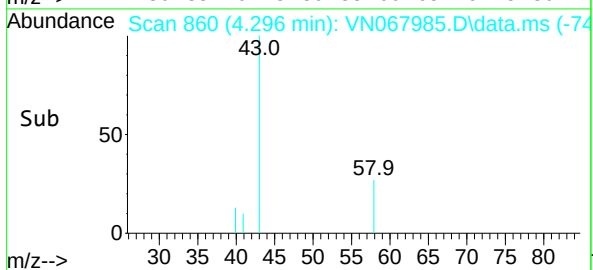
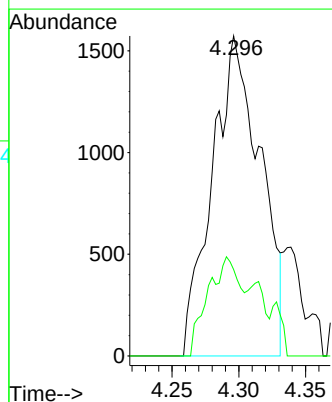
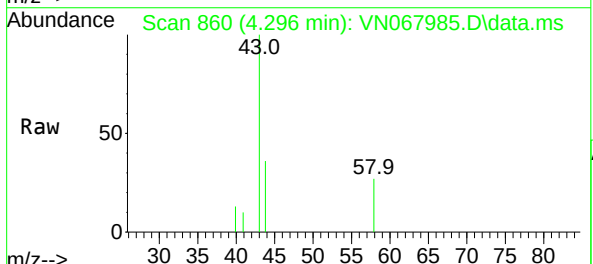
Instrument :
MSVOA_N
ClientSampled :

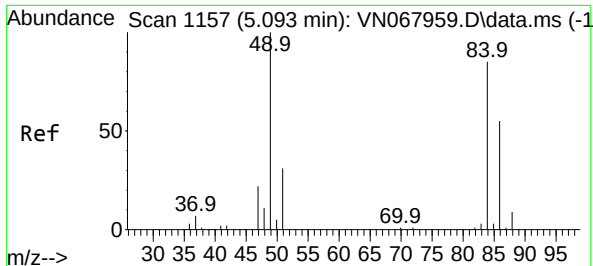
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 41.7 57.4 86.0#



#16
Acetone
Concen: 2.535 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

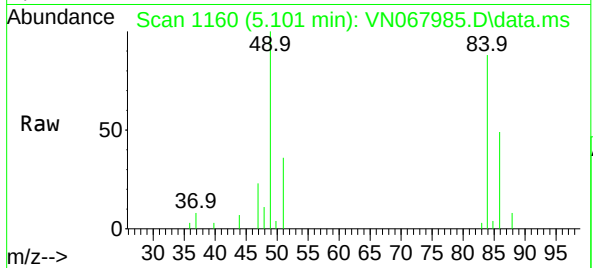
Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8



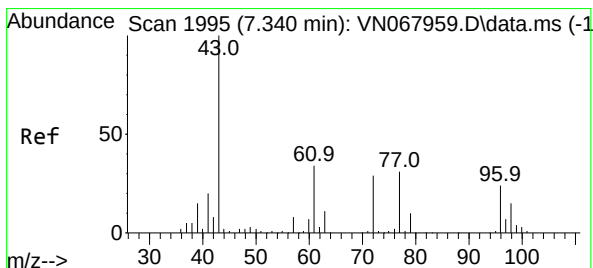
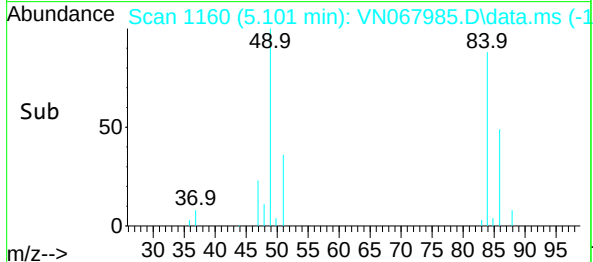
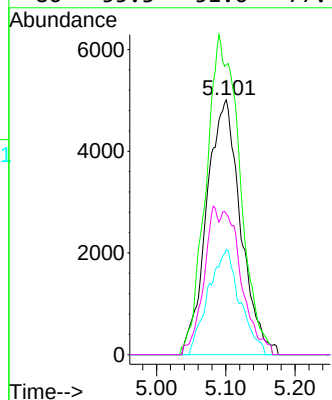


#20
Methylene Chloride
Concen: 4.475 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Instrument :
MSVOA_N
ClientSampled :

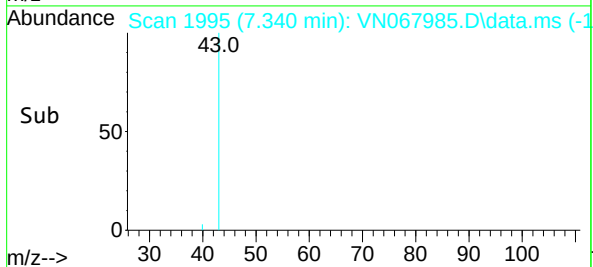
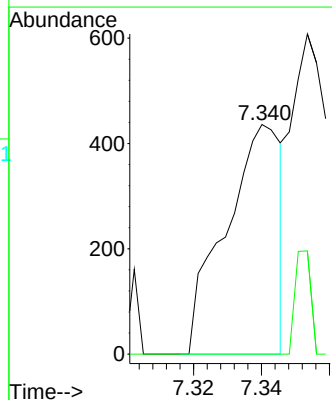
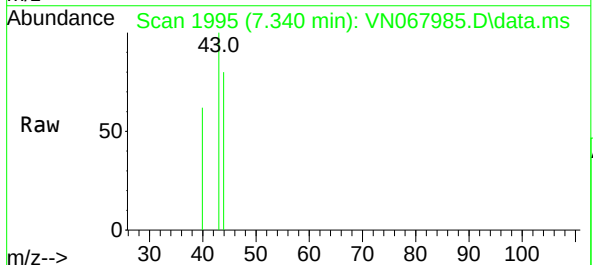


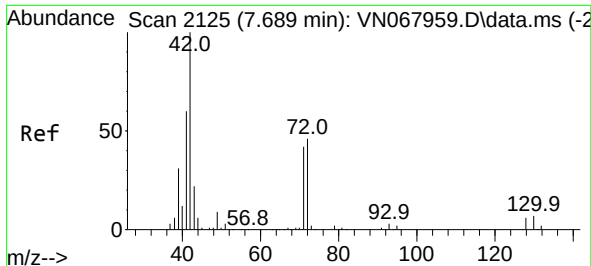
Tgt Ion: 84	Resp: 17047
Ion Ratio	Lower Upper
84	100
49	113.7 110.9 166.3
51	41.3 32.6 49.0
86	55.3 51.6 77.4



#25
2-Butanone
Concen: 0.217 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Tgt Ion: 43	Resp: 491
Ion Ratio	Lower Upper
43	100
72	0.0 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.908 ug/l

RT: 7.708 min Scan# 2132

Delta R.T. 0.019 min

Lab File: VN067985.D

Acq: 3 Aug 2021 16:36

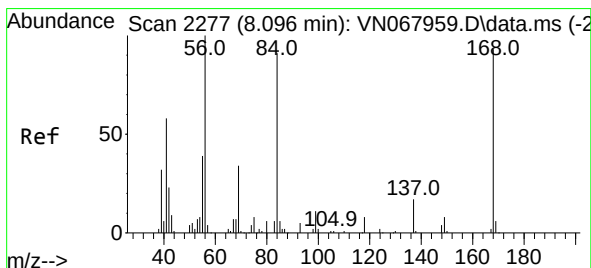
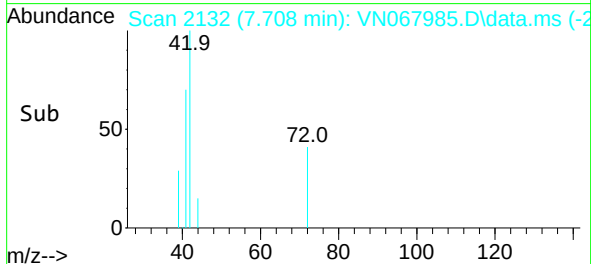
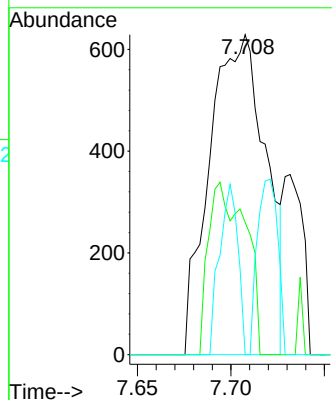
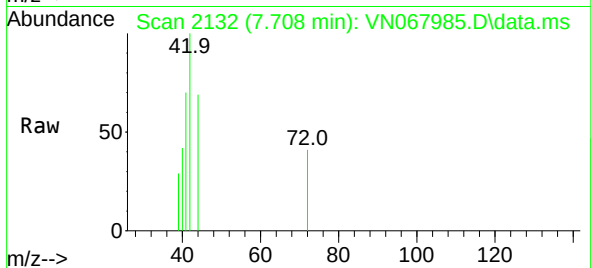
Tgt Ion: 42 Resp: 1316

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 20.0 31.2 46.8#



#31

Cyclohexane

Concen: 0.522 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.016 min

Lab File: VN067985.D

Acq: 3 Aug 2021 16:36

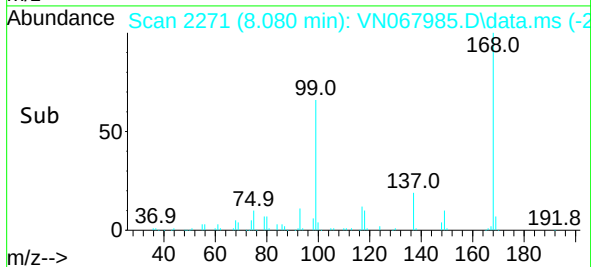
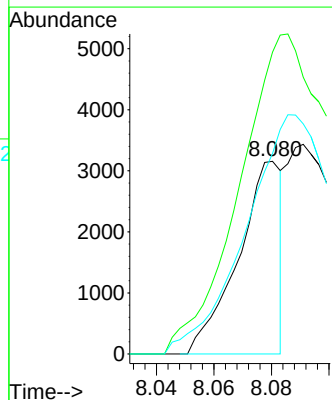
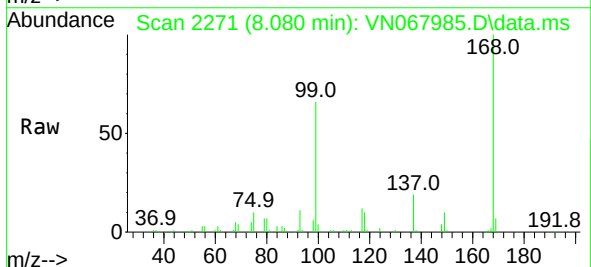
Tgt Ion: 56 Resp: 3292

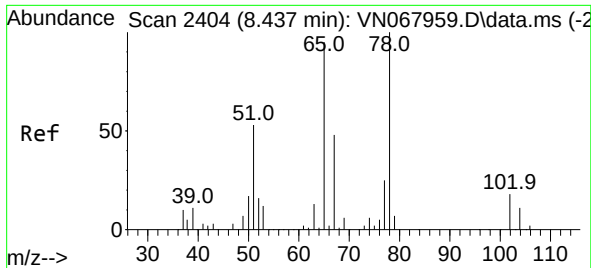
Ion Ratio Lower Upper

56 100

69 143.3 27.3 40.9#

84 96.7 64.9 97.3

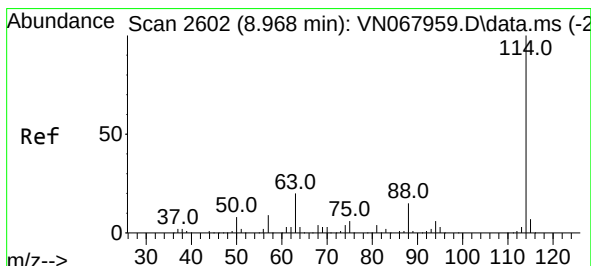
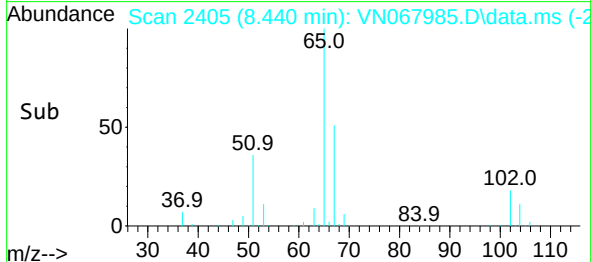
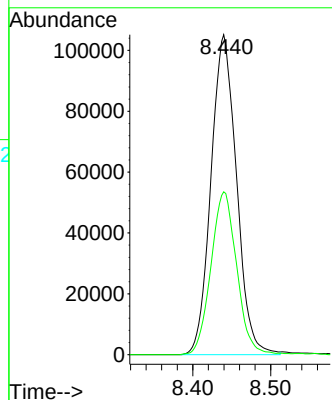
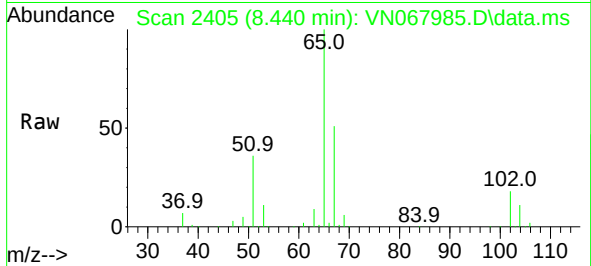




#33
 1,2-Dichloroethane-d4
 Concen: 56.029 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067985.D
 Acq: 3 Aug 2021 16:36

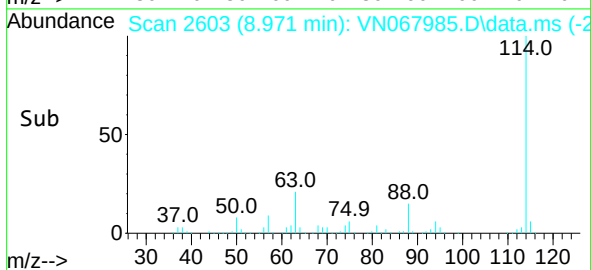
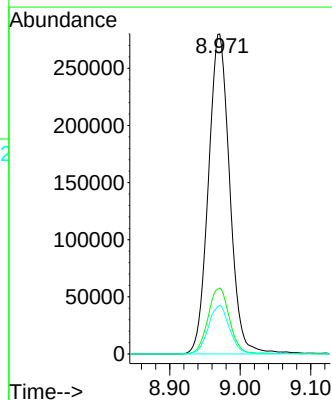
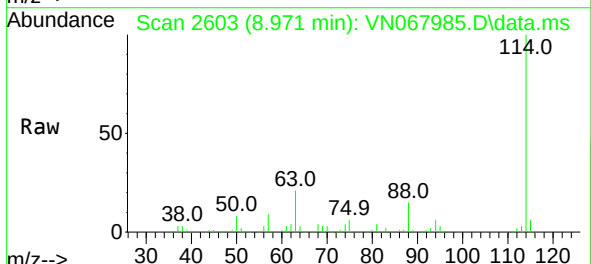
Instrument :
 MSVOA_N
 ClientSampled :

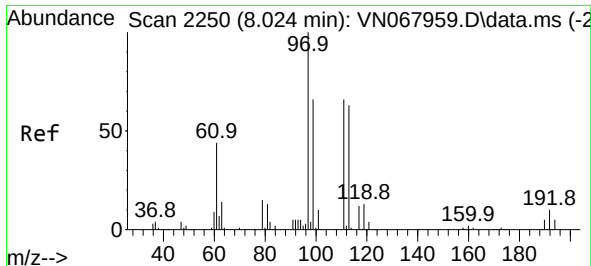
Tgt Ion: 65 Resp: 239478
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067985.D
 Acq: 3 Aug 2021 16:36

Tgt Ion: 114 Resp: 585668
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 49.0
 88 15.2 0.0 36.6

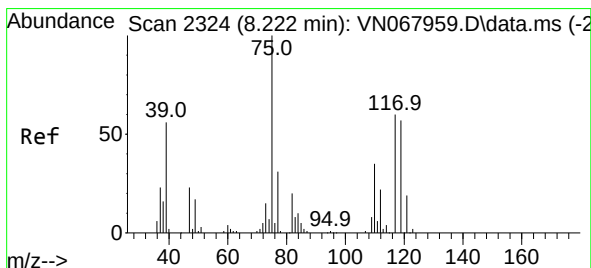
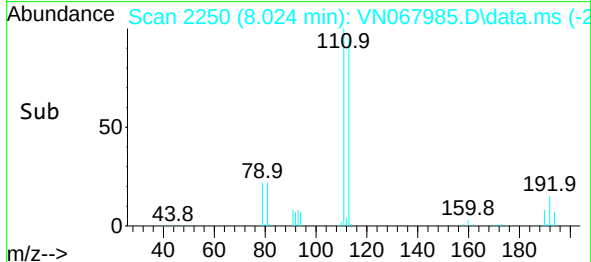
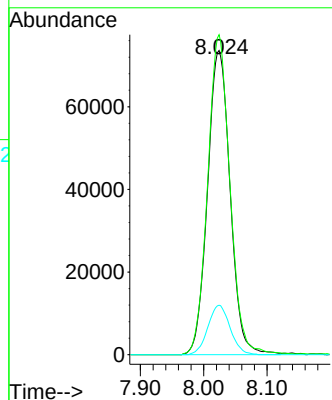
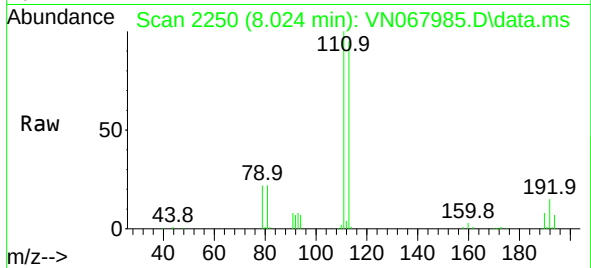




#35
Dibromofluoromethane
Concen: 53.532 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

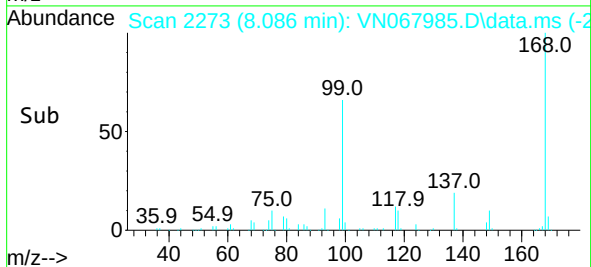
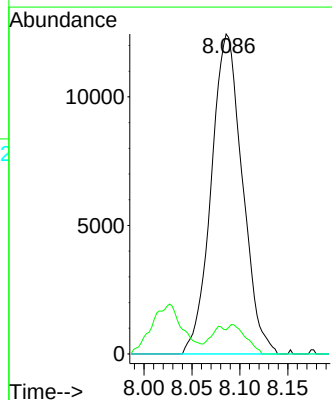
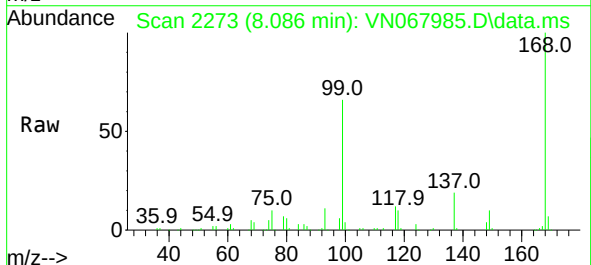
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MSVOA_N
ClientSampled :

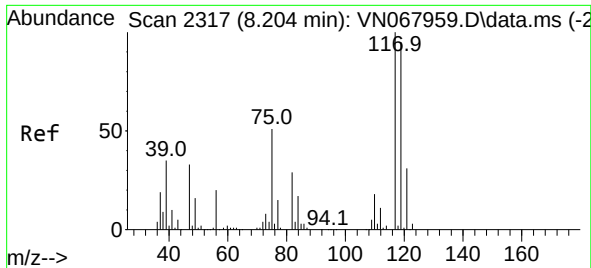
Tgt Ion:113 Resp: 182715
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.185 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

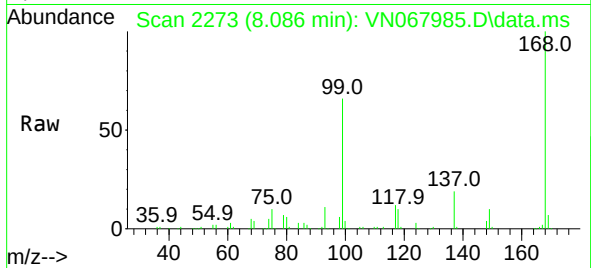
Tgt Ion: 75 Resp: 28090
Ion Ratio Lower Upper
75 100
110 2.3 15.7 47.0#
77 0.0 24.6 37.0#



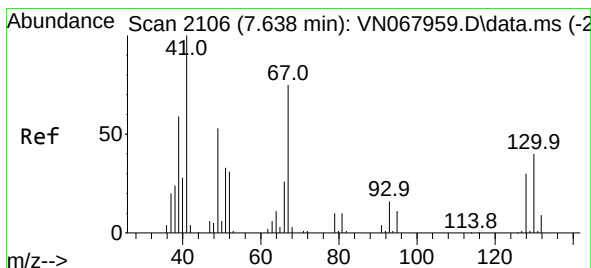
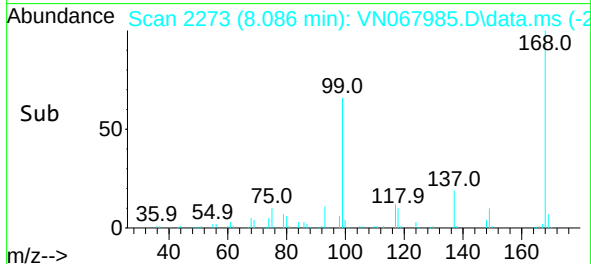
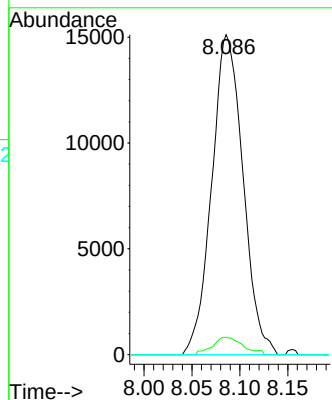


#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Instrument :
MSVOA_N
ClientSampleId :

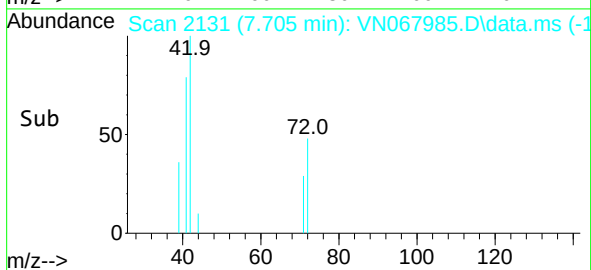
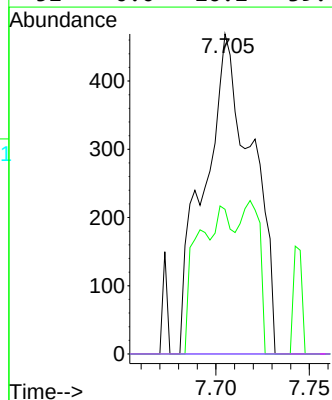
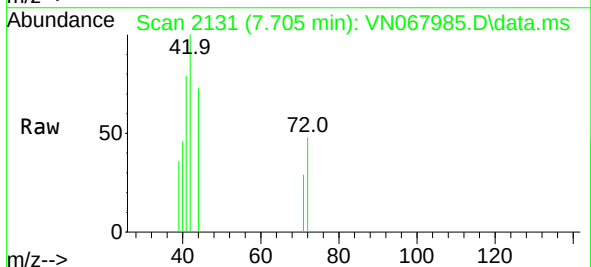


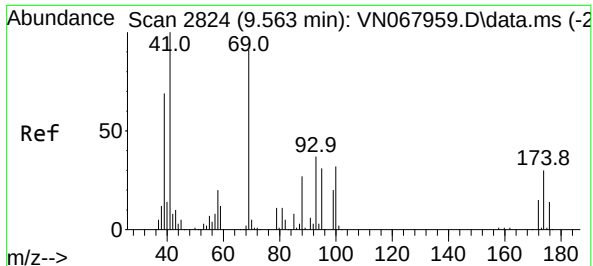
Tgt Ion:117 Resp: 34271
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.344 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

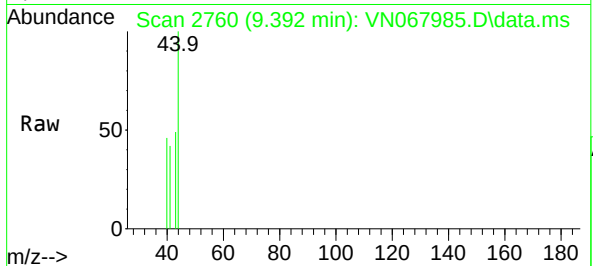
Tgt Ion: 41 Resp: 836
Ion Ratio Lower Upper
41 100
39 16.4 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



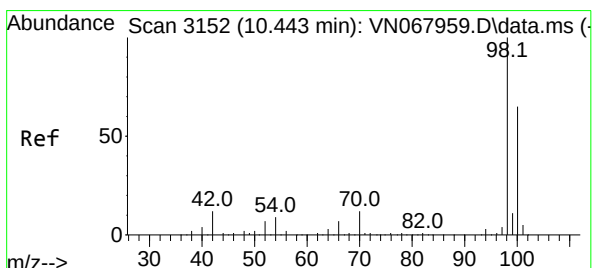
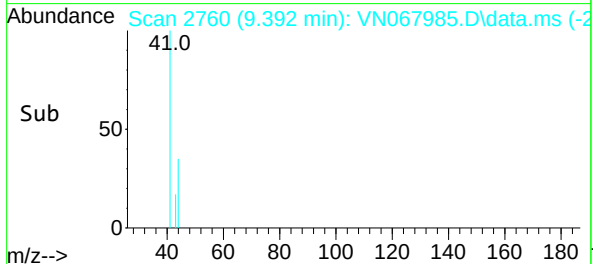
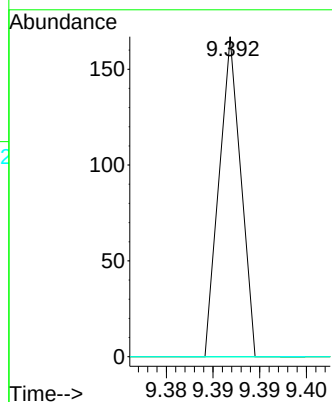


#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.392 min Scan# 2760
Delta R.T. -0.171 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Instrument :
MSVOA_N
ClientSampled :

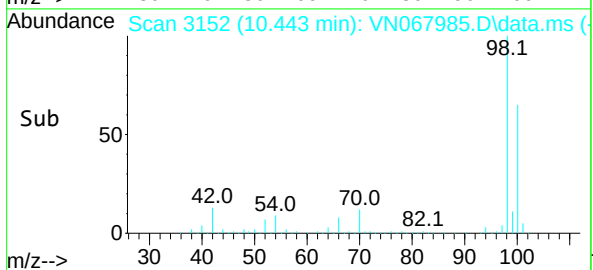
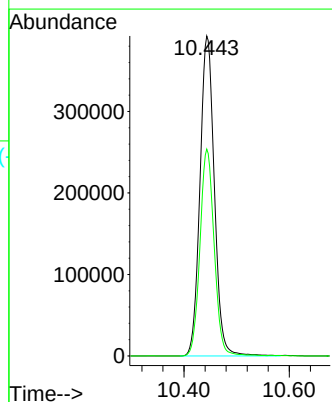
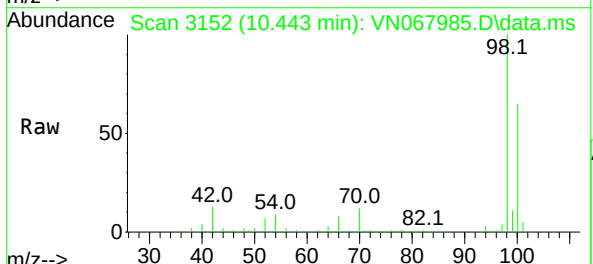


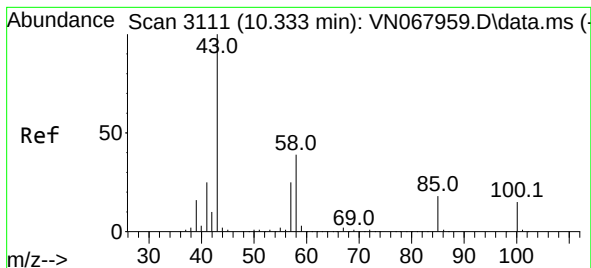
Tgt Ion: 41 Resp: 27
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.468 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Tgt Ion: 98 Resp: 744382
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

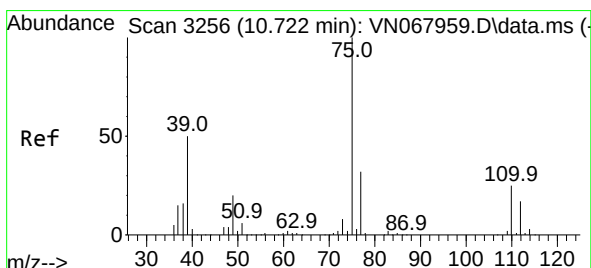
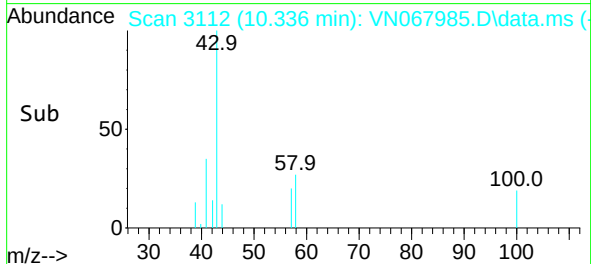
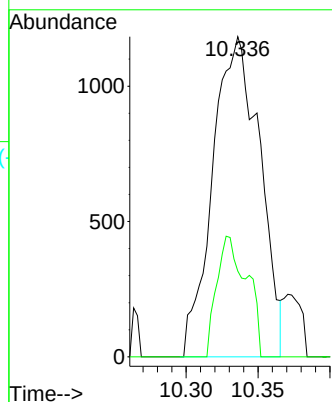
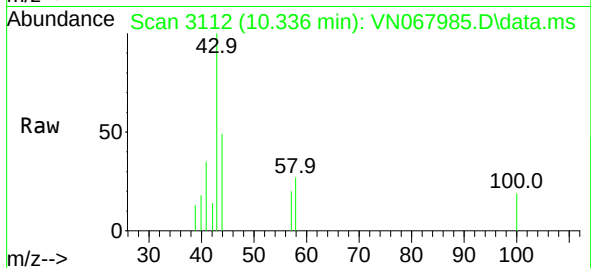




#51
4-Methyl-2-Pentanone
Concen: 12.980 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

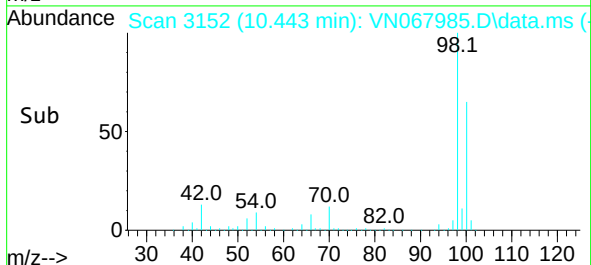
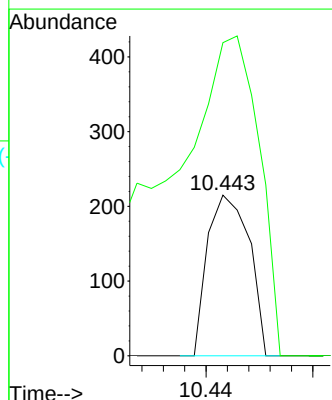
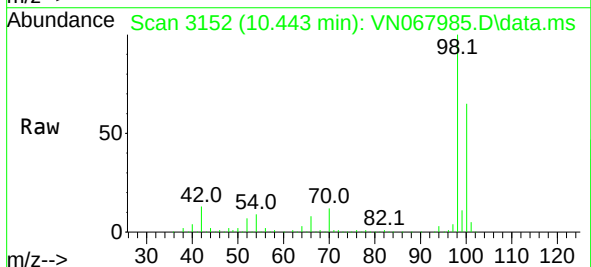
Instrument :
MSVOA_N
ClientSampled :

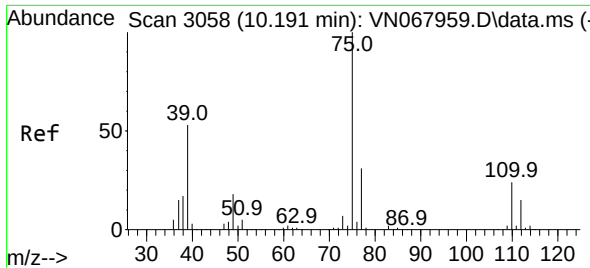
Tgt Ion: 43 Resp: 2693
Ion Ratio Lower Upper
43 100
58 23.9 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.849 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Tgt Ion: 75 Resp: 117
Ion Ratio Lower Upper
75 100
77 194.9 25.1 37.7#

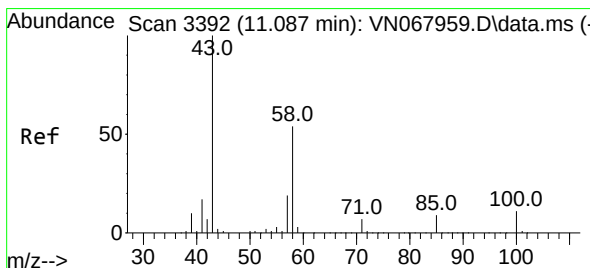
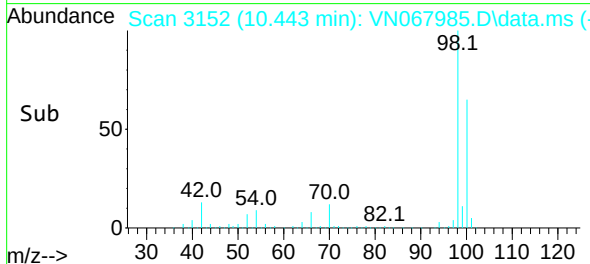
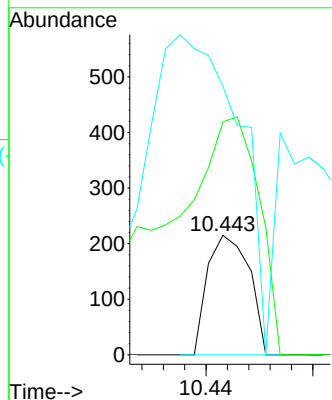
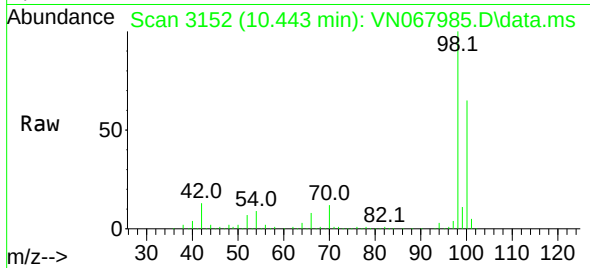




#54
 cis-1,3-Dichloropropene
 Concen: 2.370 ug/l
 RT: 10.443 min Scan# 3152
 Delta R.T. 0.252 min
 Lab File: VN067985.D
 Acq: 3 Aug 2021 16:36

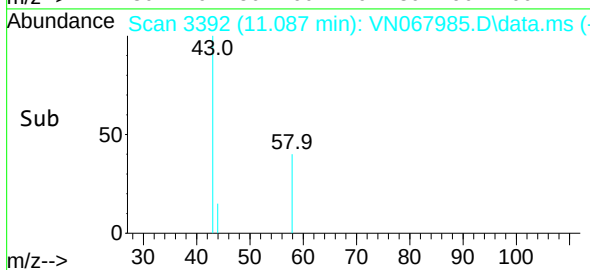
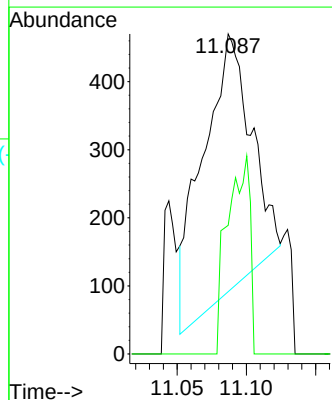
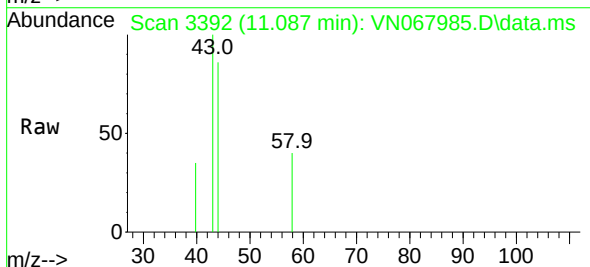
Instrument :
 MSVOA_N
 ClientSampled :

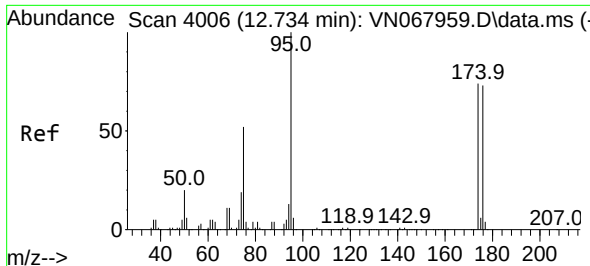
Tgt Ion: 75 Resp: 117
 Ion Ratio Lower Upper
 75 100
 77 194.9 24.6 37.0#
 39 39.1 50.7 76.1#



#59
 2-Hexanone
 Concen: 13.487 ug/l
 RT: 11.087 min Scan# 3392
 Delta R.T. -0.000 min
 Lab File: VN067985.D
 Acq: 3 Aug 2021 16:36

Tgt Ion: 43 Resp: 926
 Ion Ratio Lower Upper
 43 100
 58 35.5 24.7 74.1

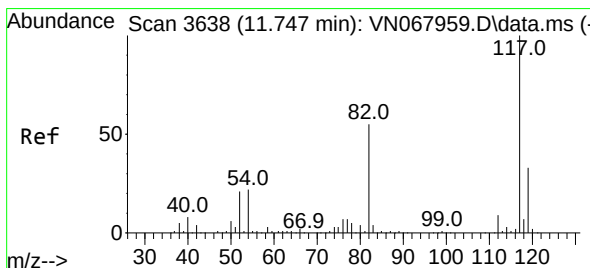
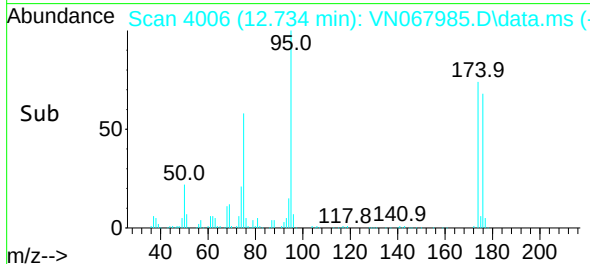
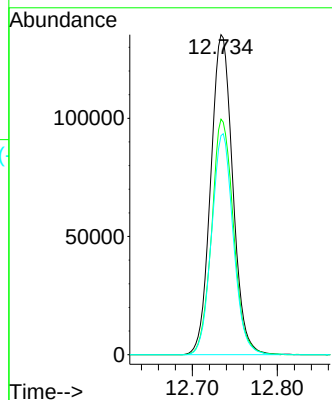
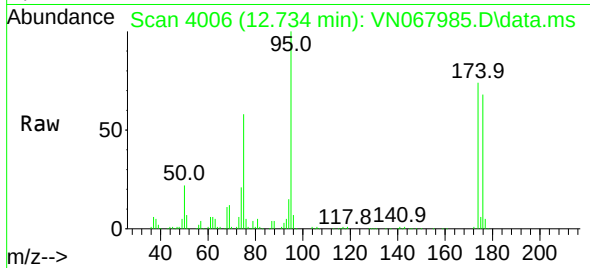




#62
4-Bromofluorobenzene
Concen: 43.054 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

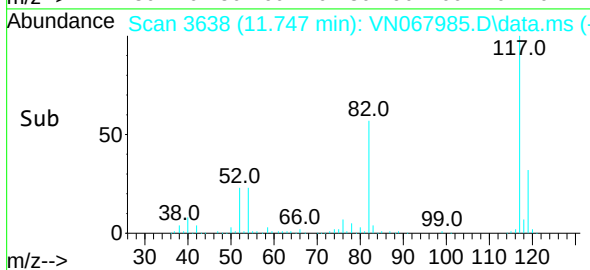
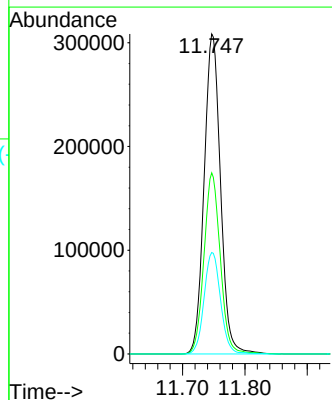
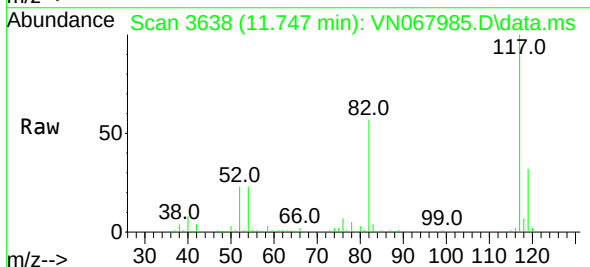
Instrument :
MSVOA_N
ClientSampleId :

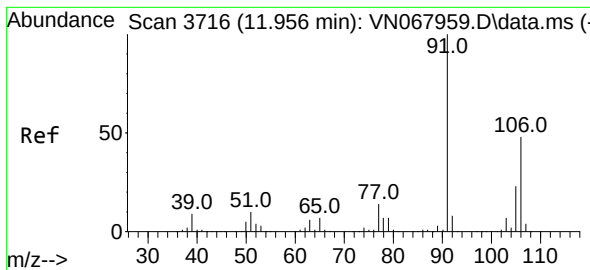
Tgt Ion: 95 Resp: 243812
Ion Ratio Lower Upper
95 100
174 73.0 0.0 122.0
176 67.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Tgt Ion: 117 Resp: 562838
Ion Ratio Lower Upper
117 100
82 56.6 53.1 79.7
119 31.7 25.5 38.3

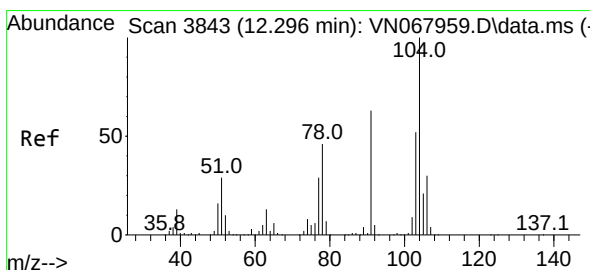
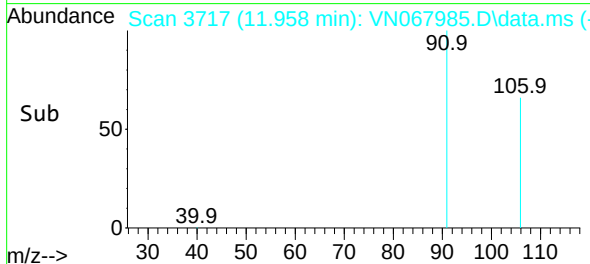
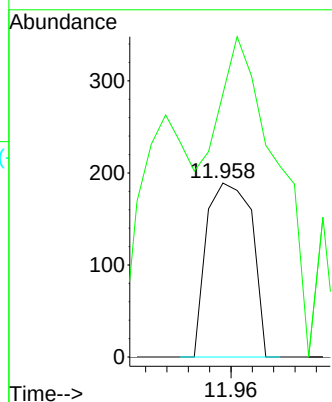
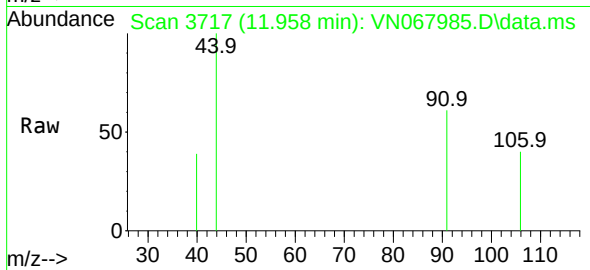




#68
m/p-Xylenes
Concen: 4.074 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.002 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

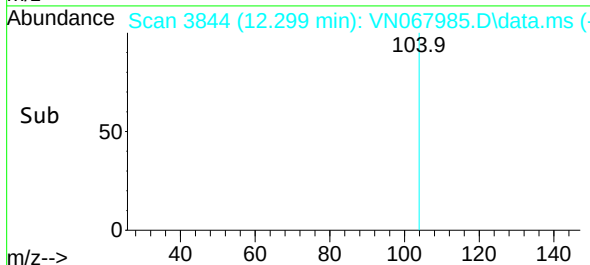
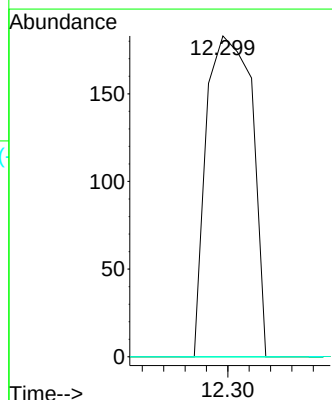
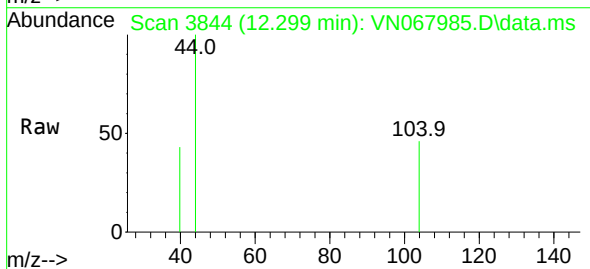
Instrument :
MSVOA_N
ClientSampled :

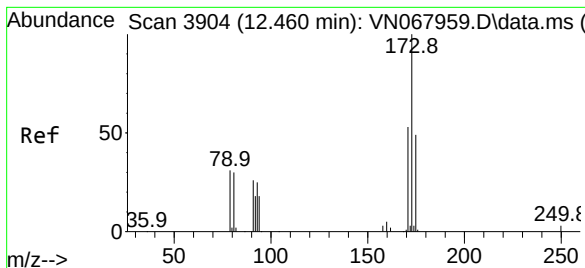
Tgt Ion:106 Resp: 111
Ion Ratio Lower Upper
106 100
91 281.1 180.6 270.8#



#70
Styrene
Concen: 2.639 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Tgt Ion:104 Resp: 108
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#

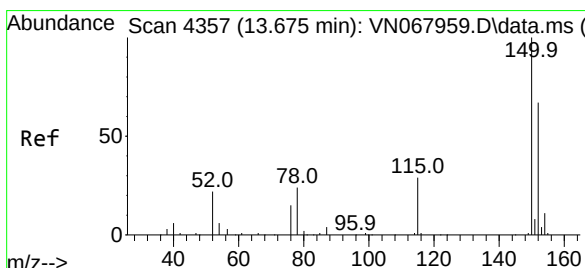
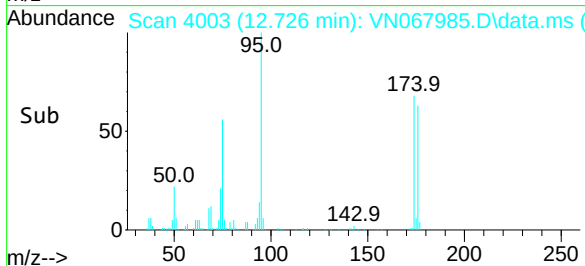
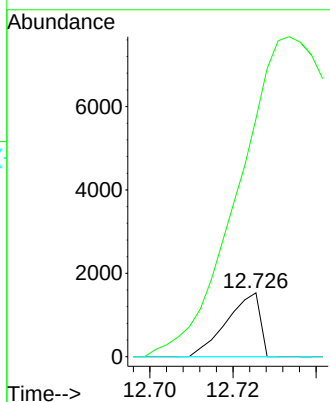
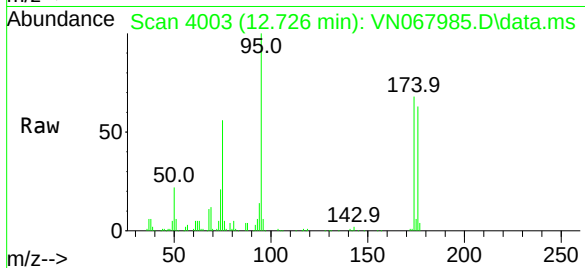




#71
Bromoform
Concen: 4.248 ug/l
RT: 12.726 min Scan# 4003
Delta R.T. 0.266 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

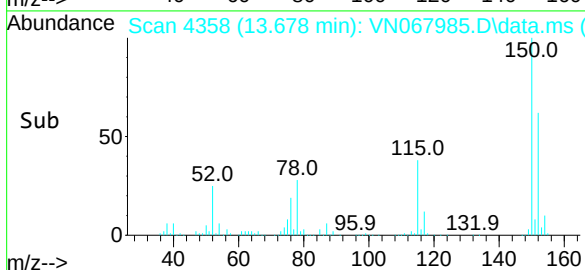
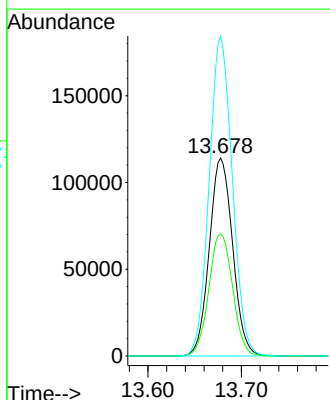
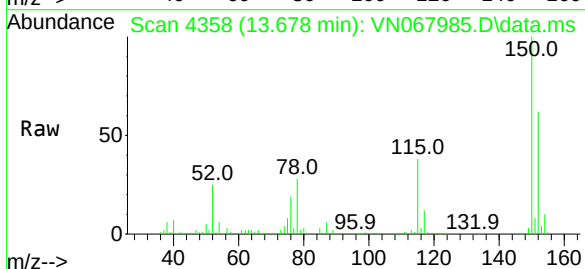
Instrument :
MSVOA_N
ClientSampled :

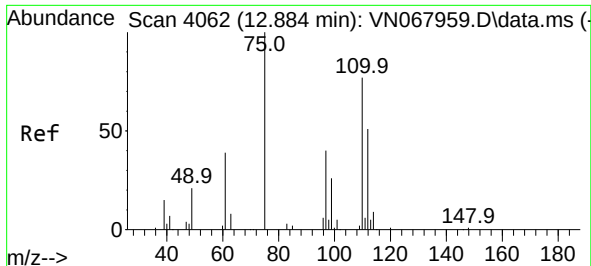
Tgt Ion:173 Resp: 850
Ion Ratio Lower Upper
173 100
175 1498.4 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Tgt Ion:152 Resp: 198655
Ion Ratio Lower Upper
152 100
115 62.6 36.1 108.5
150 159.7 0.0 351.8

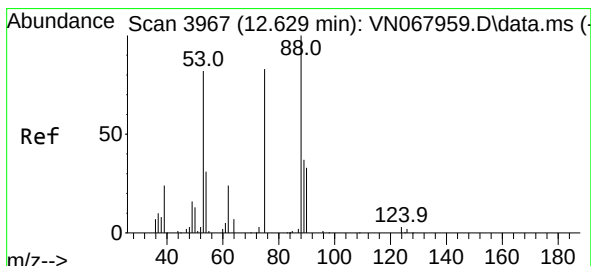
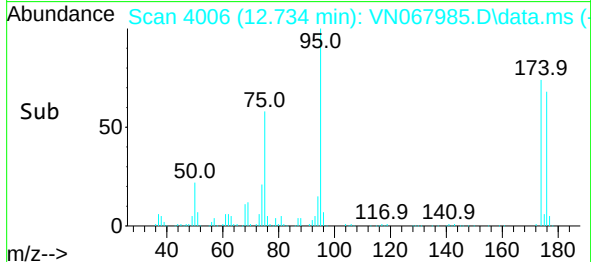
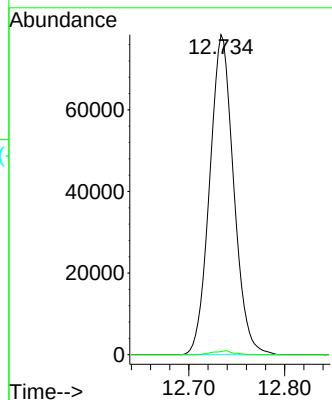
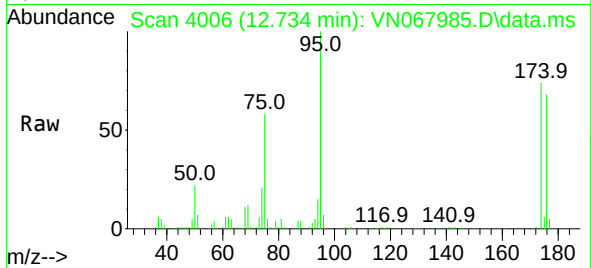




#76
1,2,3-Trichloropropane
Concen: 34.204 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

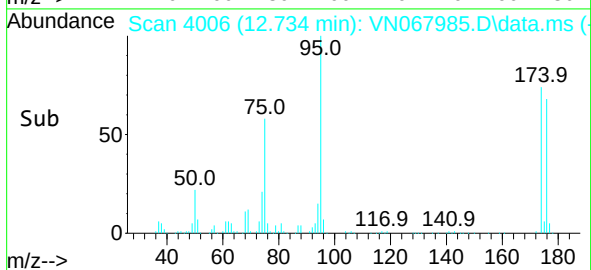
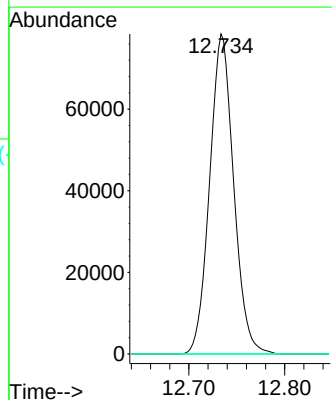
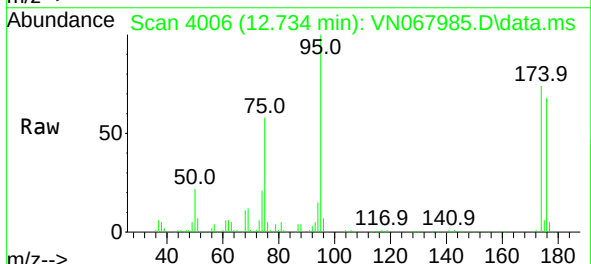
Instrument :
MSVOA_N
ClientSampled :

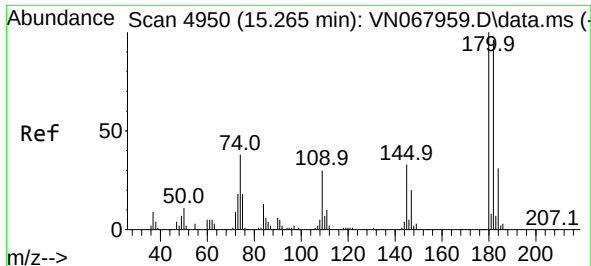
Tgt Ion: 75 Resp: 136460
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.666 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

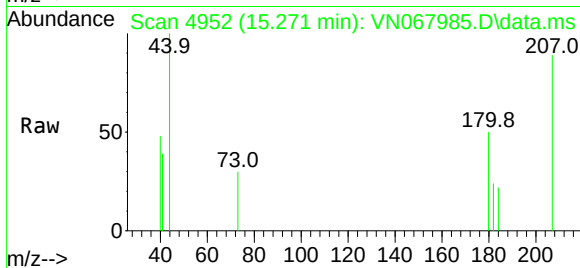
Tgt Ion: 75 Resp: 136460
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



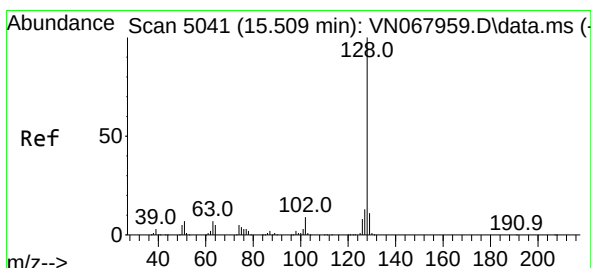
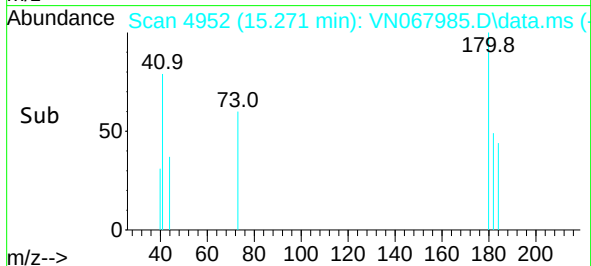
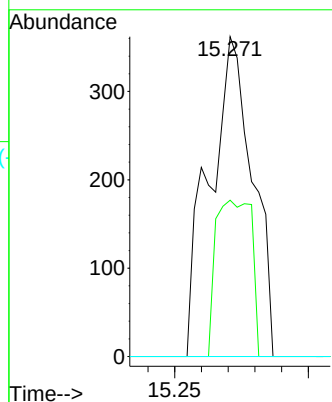


#93
1,2,4-Trichlorobenzene
Concen: 2.601 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

Instrument :
MSVOA_N
ClientSampled :

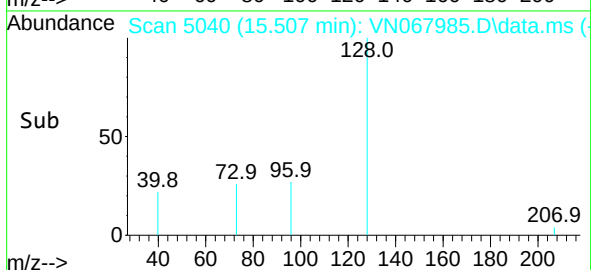
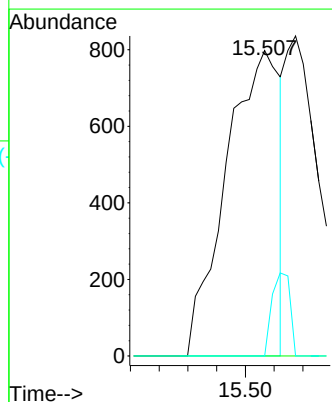
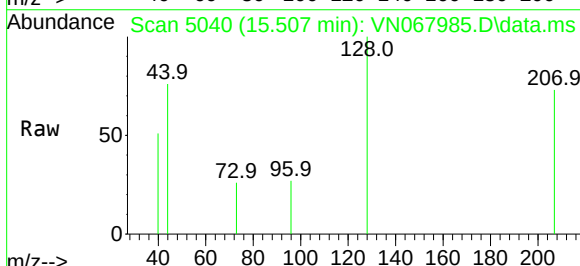


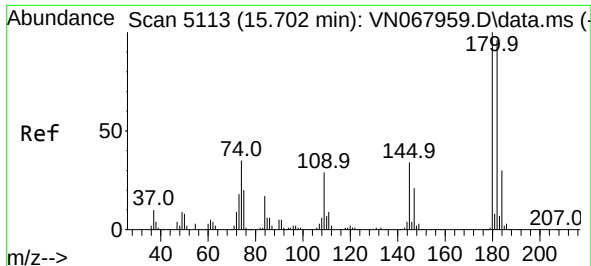
Tgt Ion:180 Resp: 408
Ion Ratio Lower Upper
180 100
182 40.2 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.237 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067985.D
Acq: 3 Aug 2021 16:36

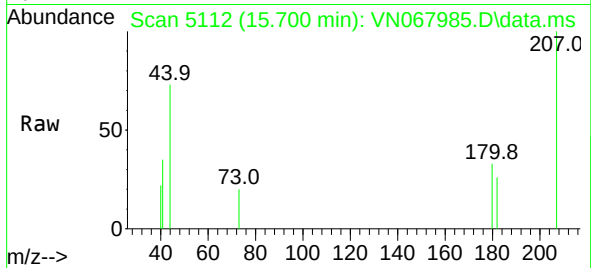
Tgt Ion:128 Resp: 1034
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 9.2 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.456 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067985.D
 Acq: 3 Aug 2021 16:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 255
 Ion Ratio Lower Upper
 180 100
 182 106.7 47.8 143.3
 145 0.0 18.2 54.6#

