

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081121\
 Data File : VN068077.D
 Acq On : 11 Aug 2021 17:52
 Operator : JC/MD
 Sample : M3360-03 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 12 07:13:15 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)

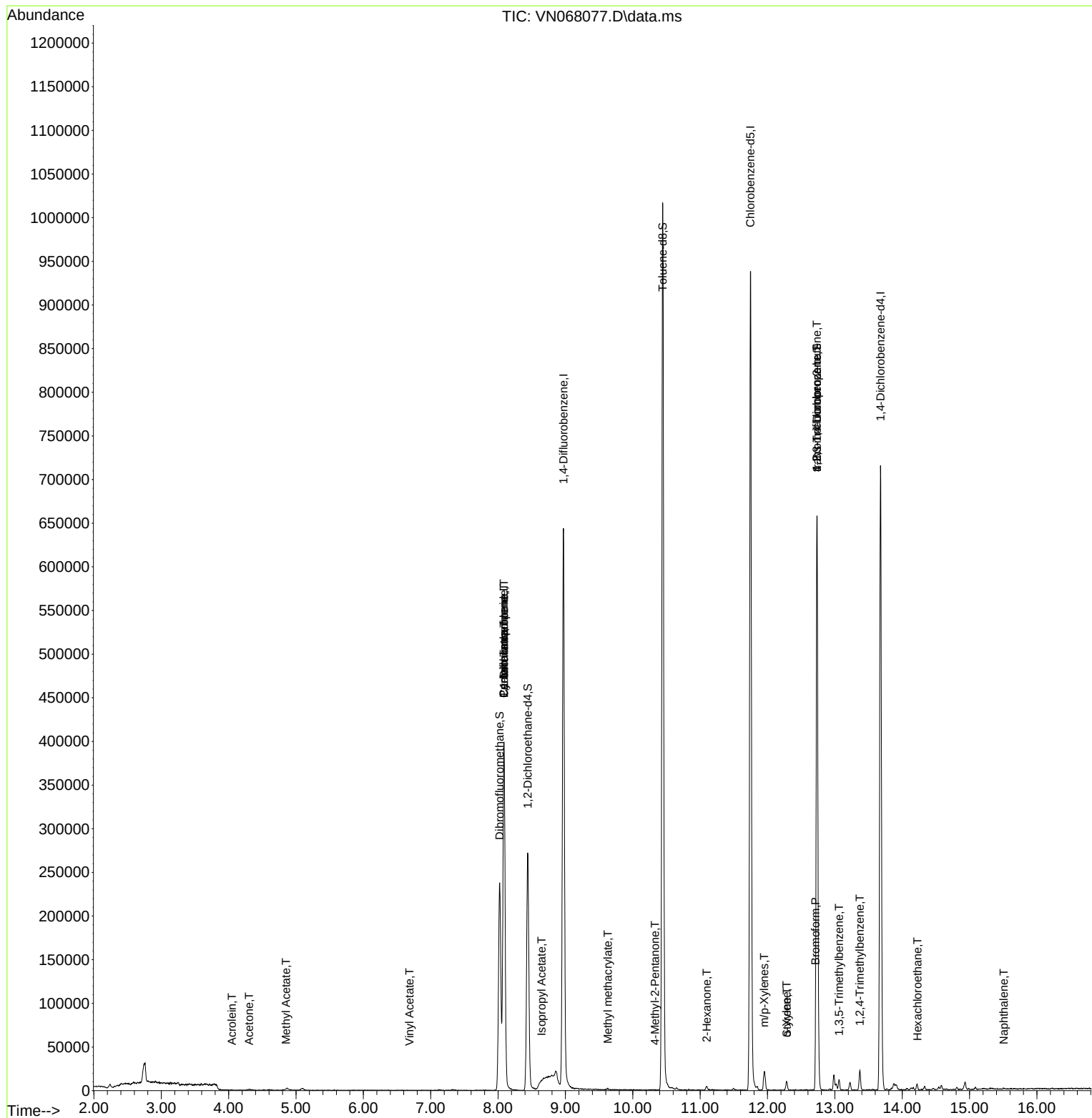
Internal Standards						
1) Pentafluorobenzene	8.088	168	288932	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	567842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	552720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	192388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231016	56.48	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	112.96%		
35) Dibromofluoromethane	8.021	113	174985	52.88	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.76%		
50) Toluene-d8	10.443	98	713555	46.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.94%		
62) 4-Bromofluorobenzene	12.734	95	231773	42.31	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.62%		
Target Compounds						Qvalue
13) Acrolein	4.047	56	155	0.42	ug/l	# 14
16) Acetone	4.301	43	1021	0.68	ug/l	# 80
18) Methyl Acetate	4.851	43	1513	0.32	ug/l	99
20) Methylene Chloride	5.090	84	262	Below Cal	#	45
23) Vinyl Acetate	6.686	43	39	8.80	ug/l	# 75
31) Cyclohexane	8.088	56	7163	1.19	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	25607	4.88	ug/l	# 51
38) Carbon Tetrachloride	8.086	117	32290	6.25	ug/l	# 17
43) Isopropyl Acetate	8.646	43	10933	1.33	ug/l	# 58
48) Methyl methacrylate	9.630	41	83	2.32	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.328	43	271	12.61	ug/l	# 39
59) 2-Hexanone	11.100	43	970	13.50	ug/l	# 32
68) m/p-Xylenes	11.950	106	7217	4.85	ug/l	91
69) o-Xylene	12.283	106	2827	0.38	ug/l	100
70) Styrene	12.286	104	24	2.63	ug/l	# 1
71) Bromoform	12.712	173	36	4.04	ug/l	# 29
76) 1,2,3-Trichloropropane	12.734	75	128555	33.27	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	6340	0.50	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.734	75	128555	89.27	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.372	105	12650	1.03	ug/l	92
90) Hexachloroethane	14.227	117	474	0.24	ug/l	# 16
95) Naphthalene	15.507	128	880	3.22	ug/l	# 73

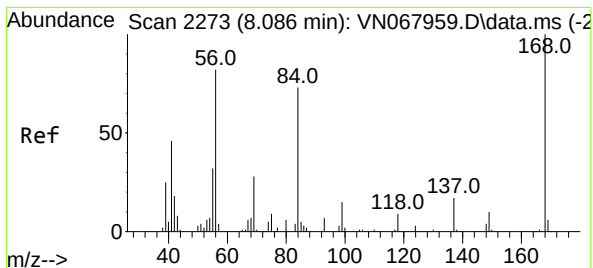
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

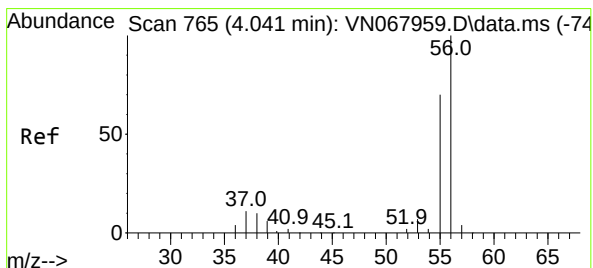
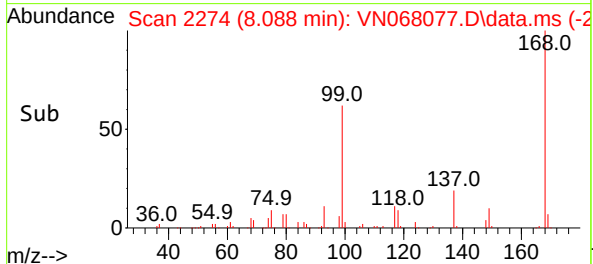
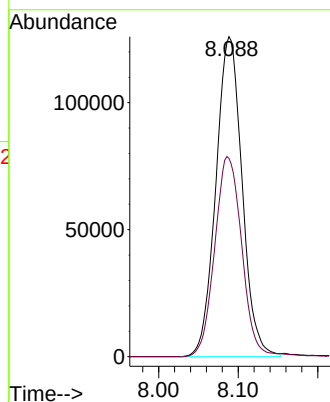
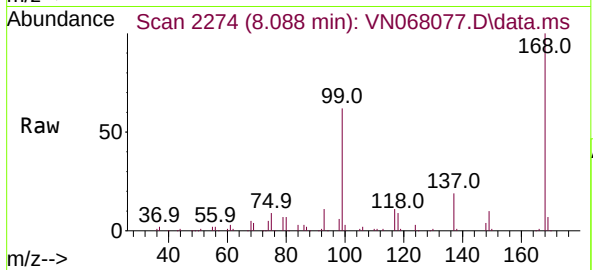
Lab File: VN068077.D

Acq: 11 Aug 2021 17:52

Tgt Ion:168 Resp: 288932

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	62.0	62.9	94.3#



#13

Acrolein

Concen: 0.42 ug/l

RT: 4.047 min Scan# 767

Delta R.T. 0.006 min

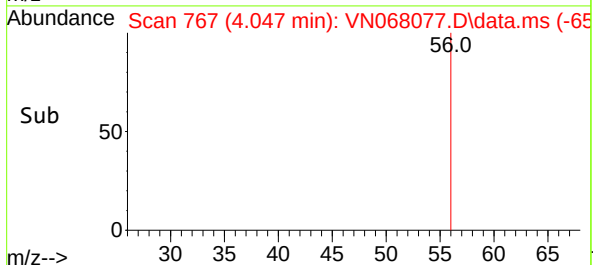
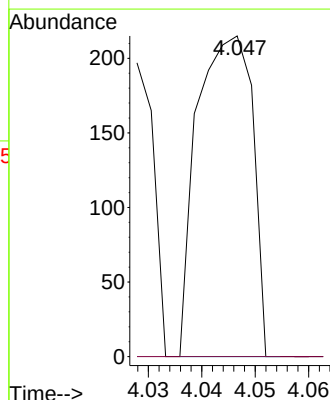
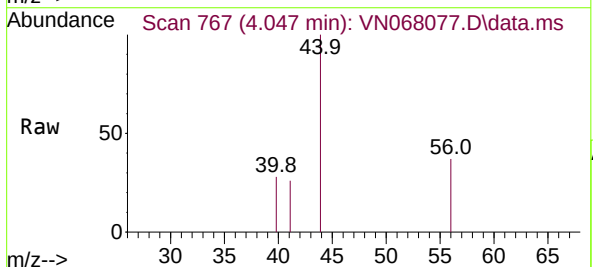
Lab File: VN068077.D

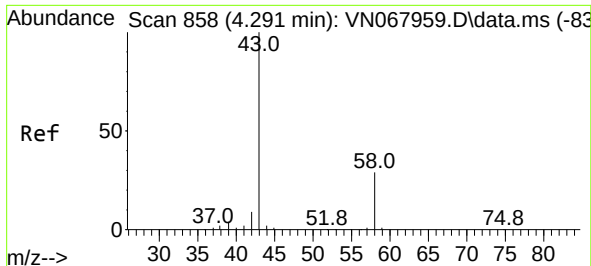
Acq: 11 Aug 2021 17:52

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.4	86.0#

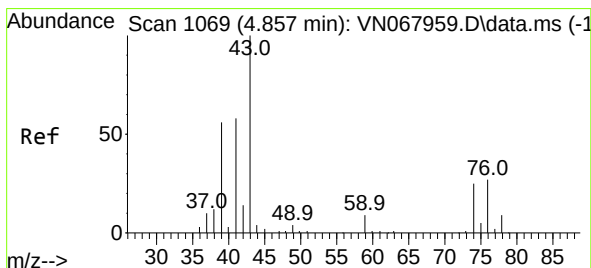
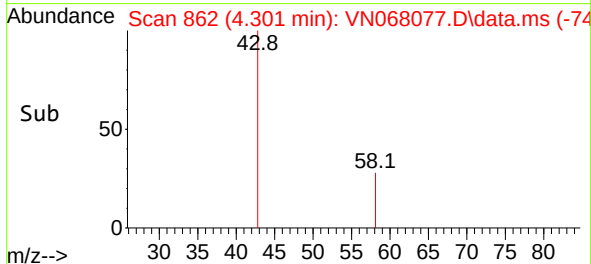
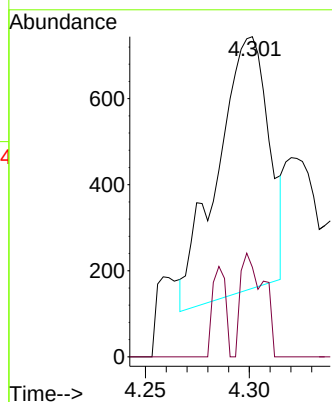
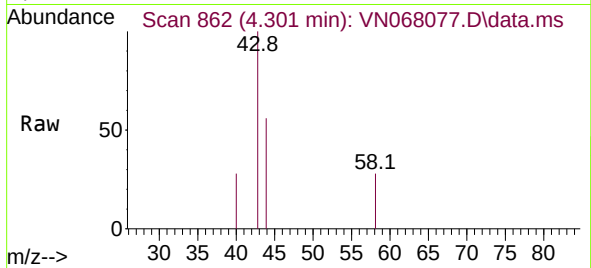




#16
Acetone
Concen: 0.68 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

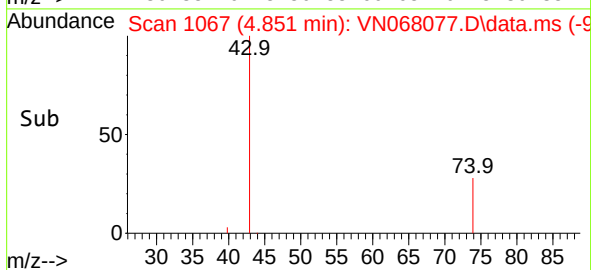
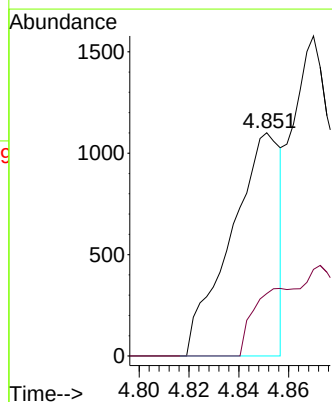
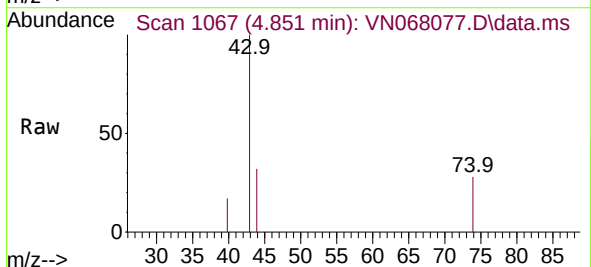
Instrument :
MSVOA_N
ClientSampled :

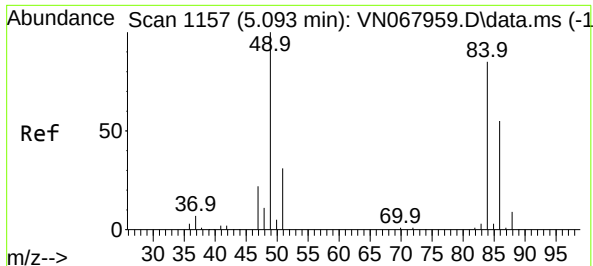
Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
58 36.9 21.2 31.8#



#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
74 21.1 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

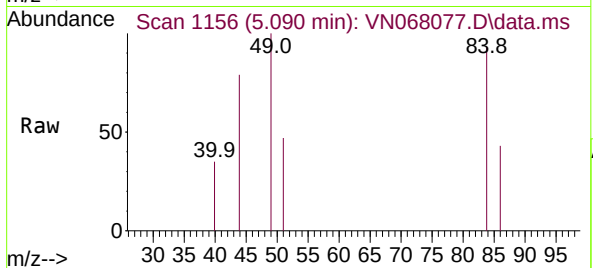
RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068077.D

Acq: 11 Aug 2021 17:52

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 262

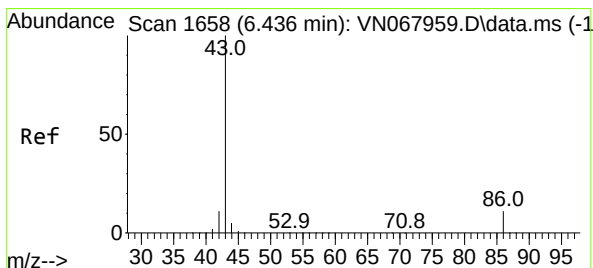
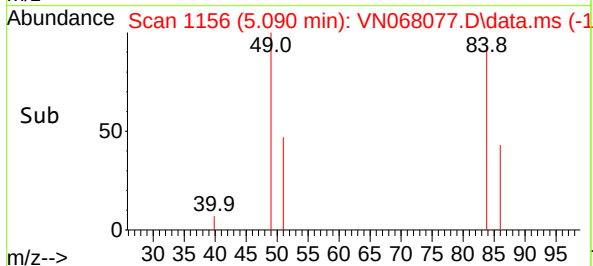
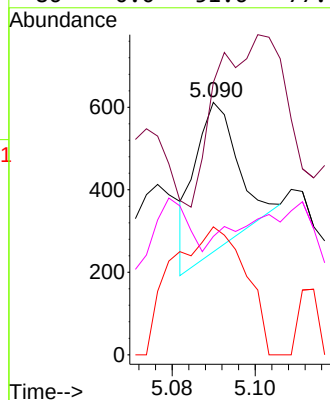
Ion Ratio Lower Upper

84 100

49 115.8 110.9 166.3

51 125.5 32.6 49.0#

86 0.0 51.6 77.4#



#23

Vinyl Acetate

Concen: 8.80 ug/l

RT: 6.686 min Scan# 1751

Delta R.T. 0.250 min

Lab File: VN068077.D

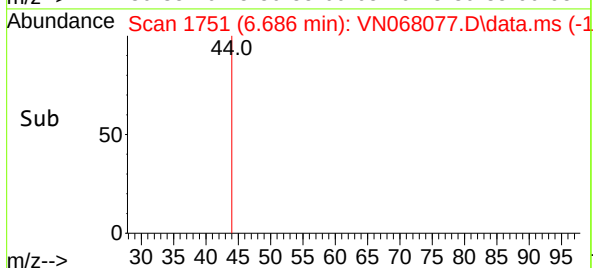
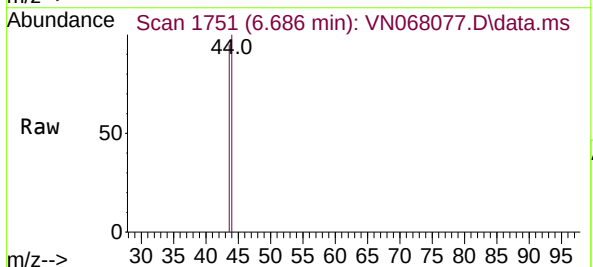
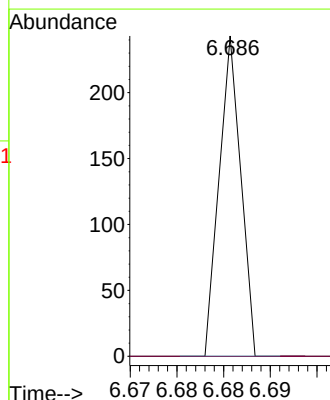
Acq: 11 Aug 2021 17:52

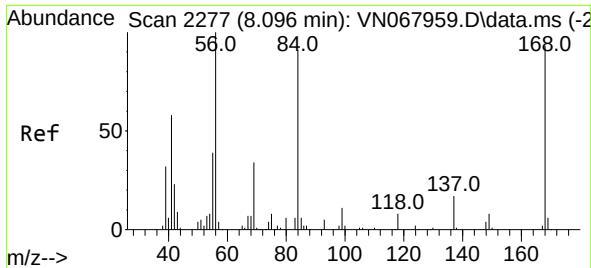
Tgt Ion: 43 Resp: 39

Ion Ratio Lower Upper

43 100

86 0.0 7.3 10.9#

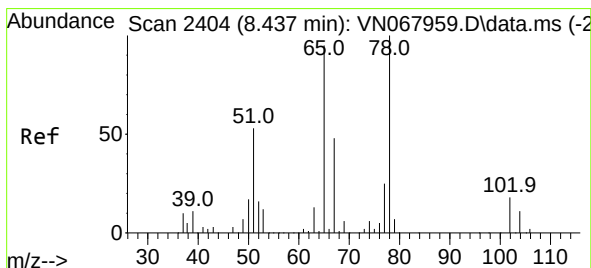
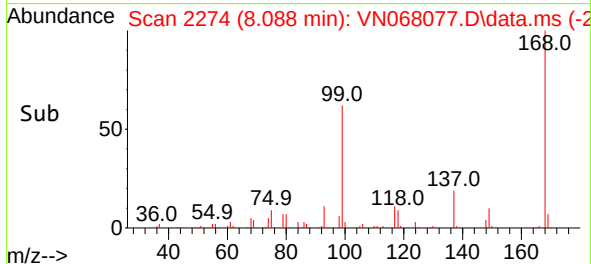
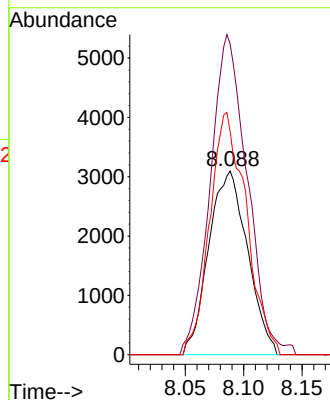
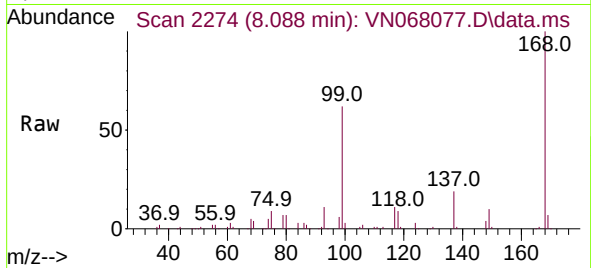




#31
Cyclohexane
Concen: 1.19 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

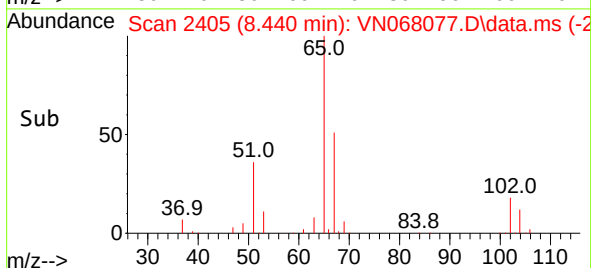
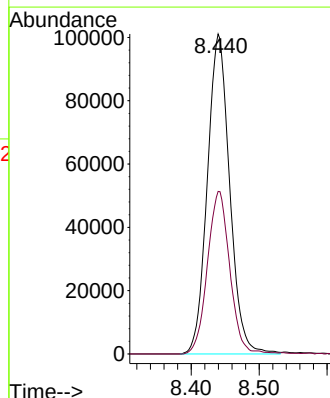
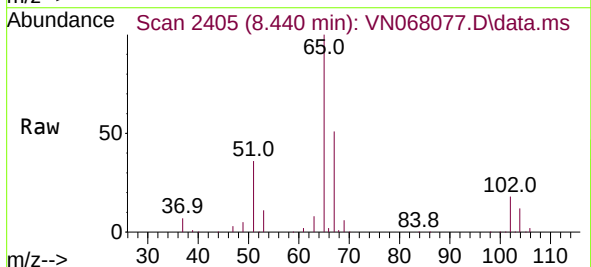
Instrument :
MSVOA_N
ClientSampled :

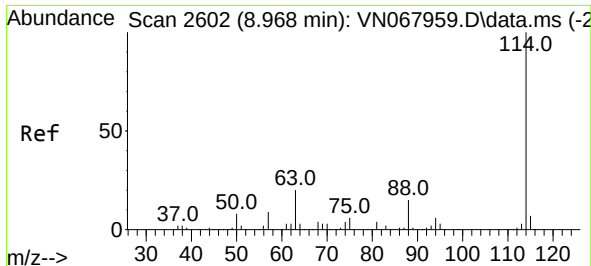
Tgt Ion: 56 Resp: 7163
Ion Ratio Lower Upper
56 100
69 169.3 27.3 40.9#
84 121.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 56.48 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 65 Resp: 231016
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6

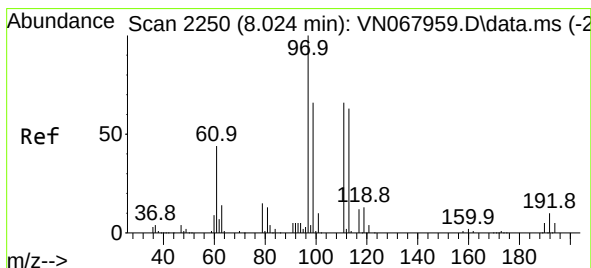
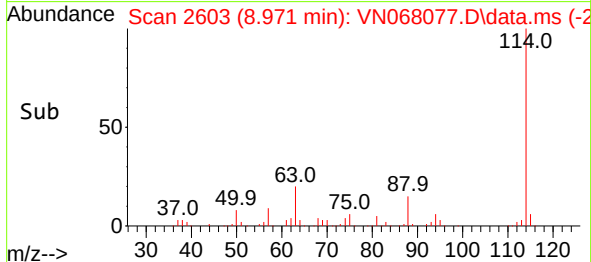
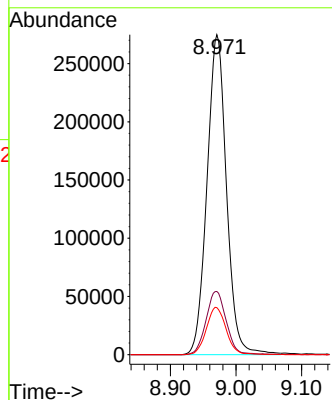
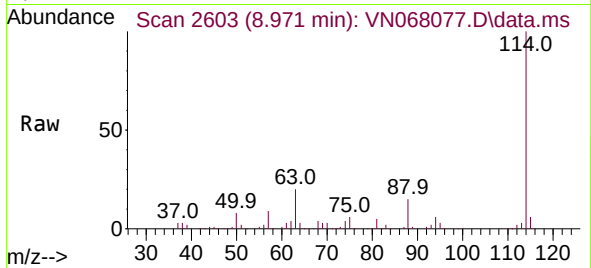




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

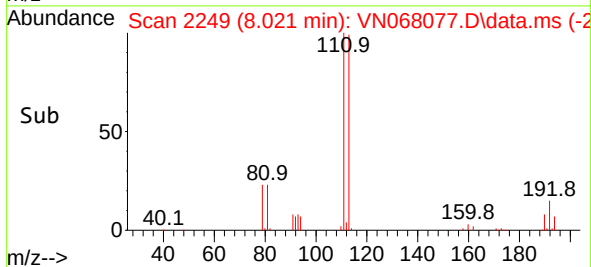
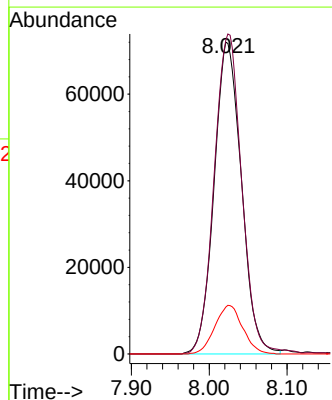
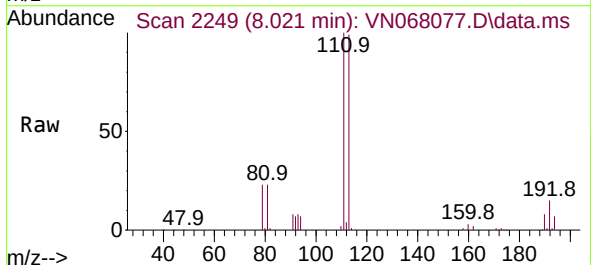
Instrument :
MSVOA_N
ClientSampled :

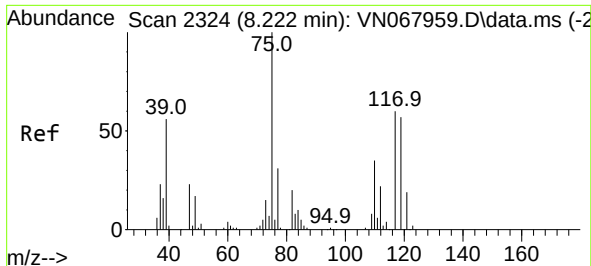
Tgt Ion:114 Resp: 567842
Ion Ratio Lower Upper
114 100
63 19.8 0.0 49.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.88 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion:113 Resp: 174985
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.0 13.4 20.0

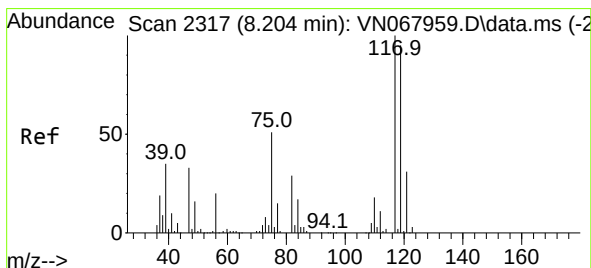
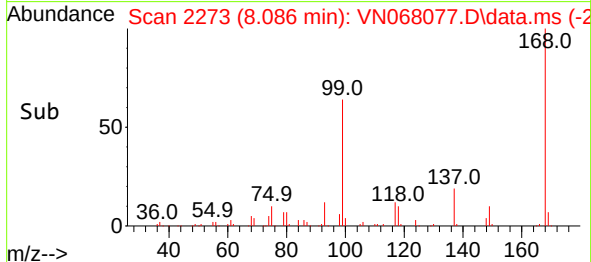
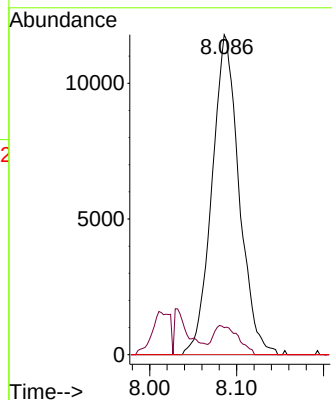
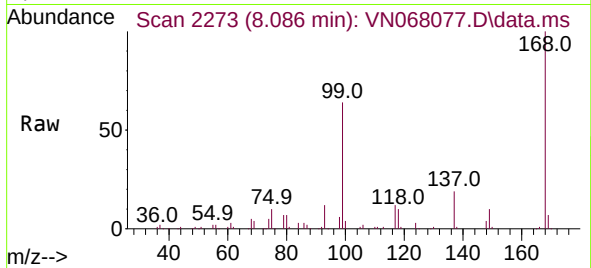




#36
1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

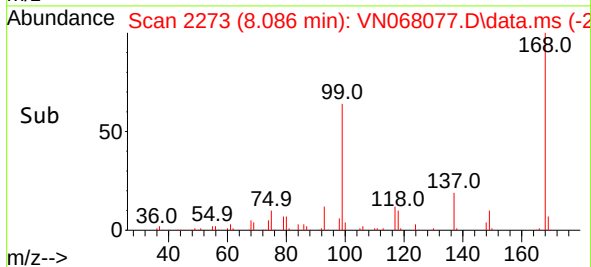
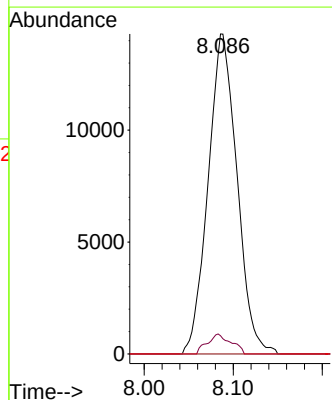
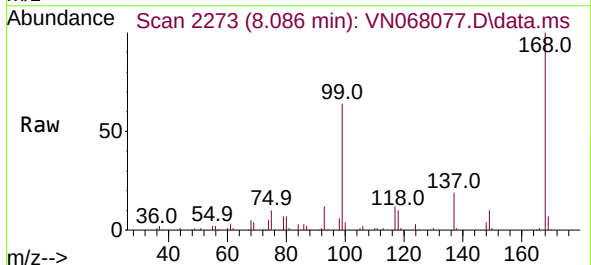
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MSVOA_N
ClientSampled :

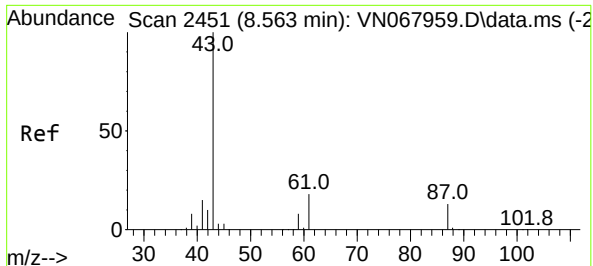
Tgt Ion: 75 Resp: 25607
Ion Ratio Lower Upper
75 100
110 8.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 117 Resp: 32290
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 23.5 35.3#

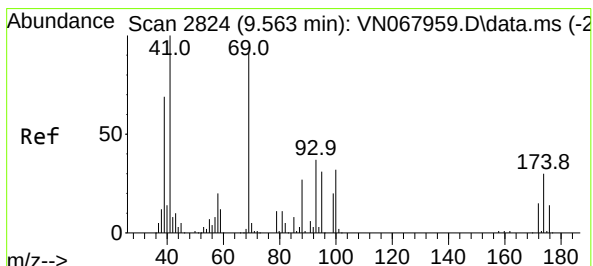
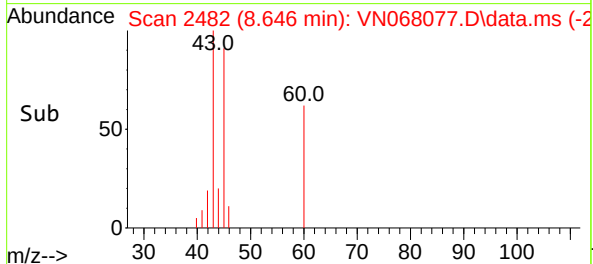
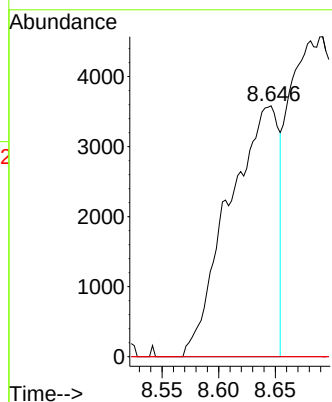
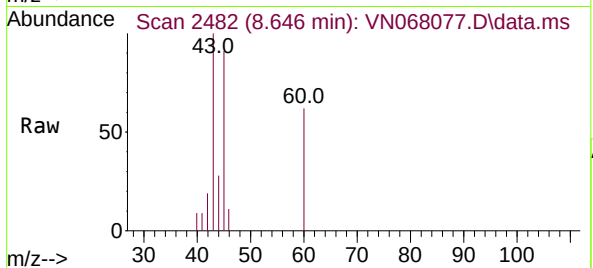




#43
Isopropyl Acetate
Concen: 1.33 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.083 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

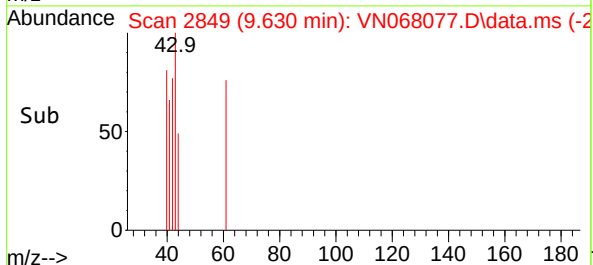
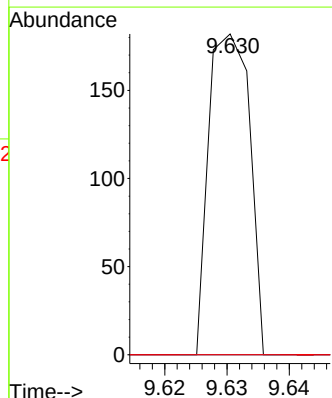
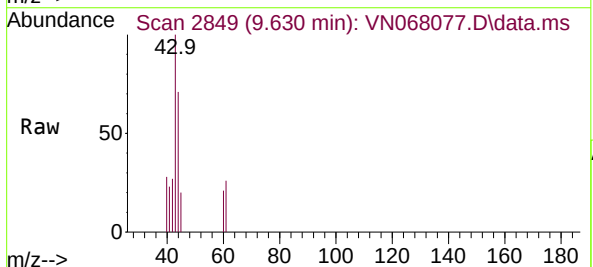
Instrument :
MSVOA_N
ClientSampled :

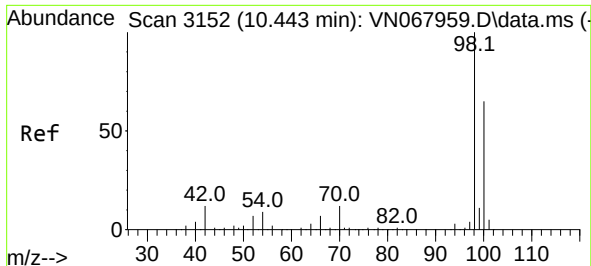
Tgt Ion:	43	Resp:	10933
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.0	28.4#
87	0.0	9.5	14.3#



#48
Methyl methacrylate
Concen: 2.32 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.067 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion:	41	Resp:	83
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	0.0	53.3	79.9#

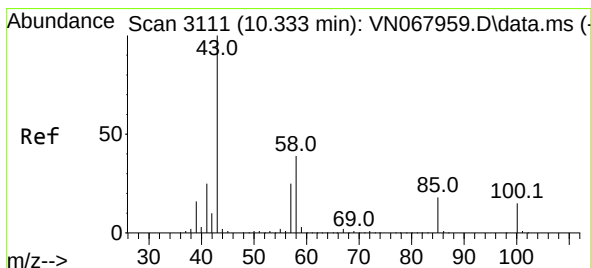
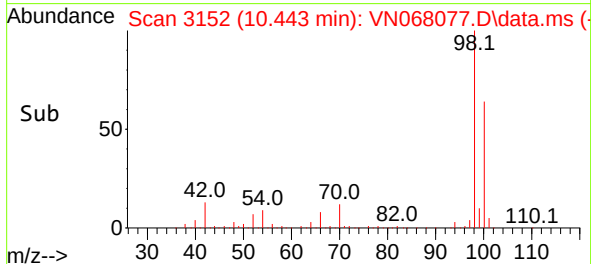
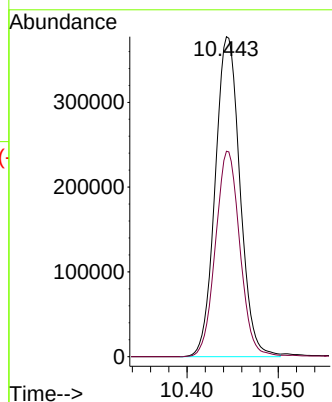
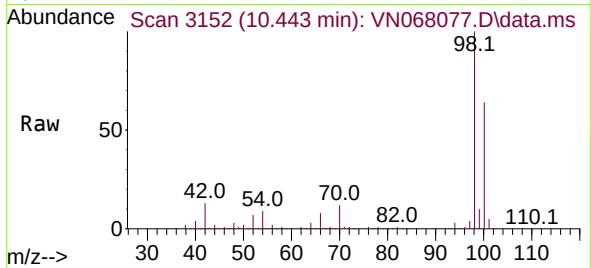




#50
Toluene-d8
Concen: 46.97 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

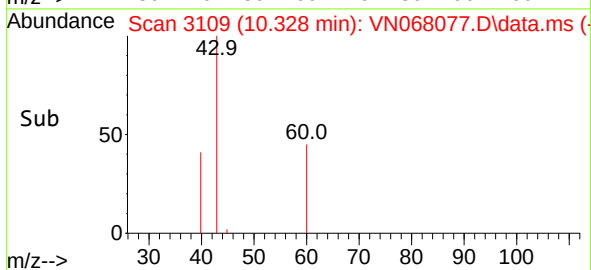
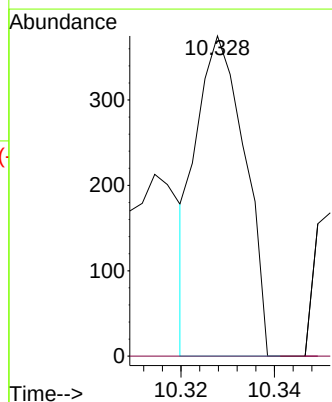
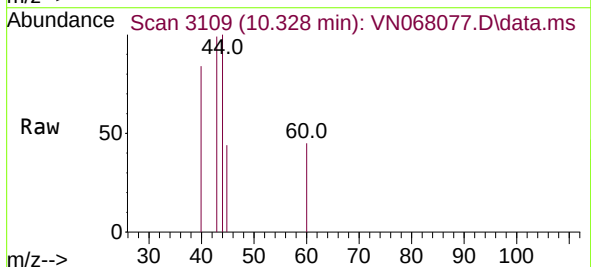
Instrument :
MSVOA_N
ClientSampled :

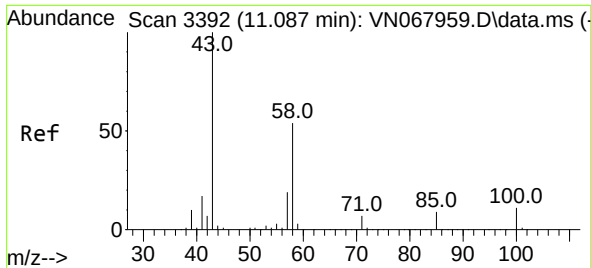
Tgt Ion: 98 Resp: 713555
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.61 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.005 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

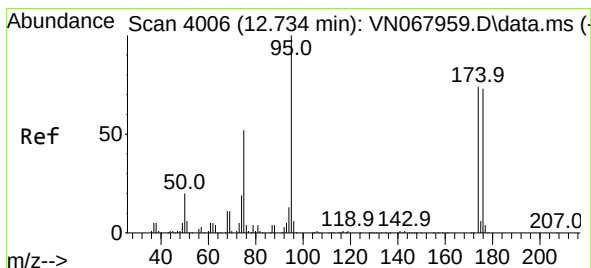
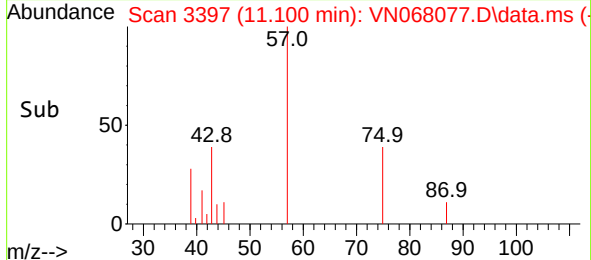
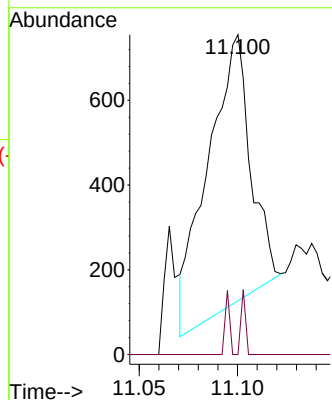
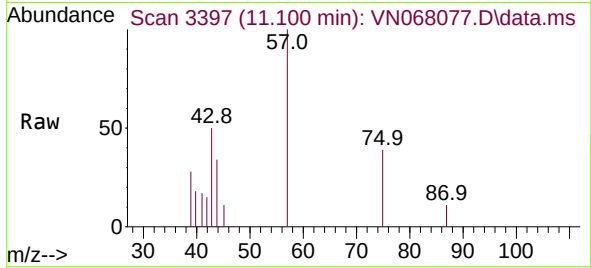




#59
2-Hexanone
Concen: 13.50 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

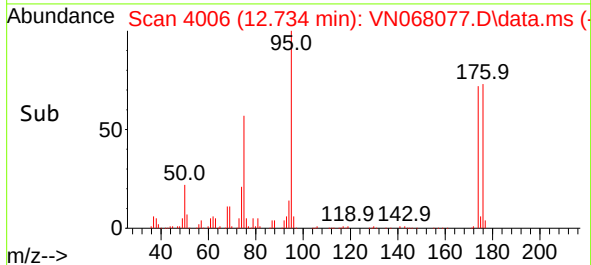
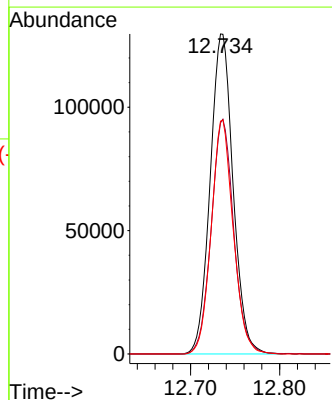
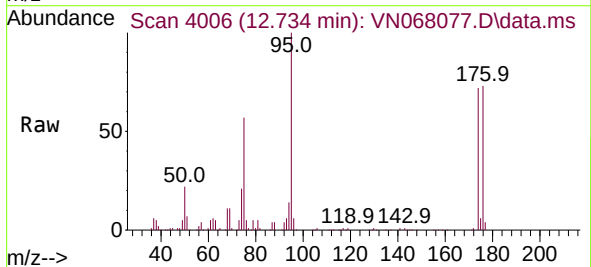
Instrument :
MSVOA_N
ClientSampled :

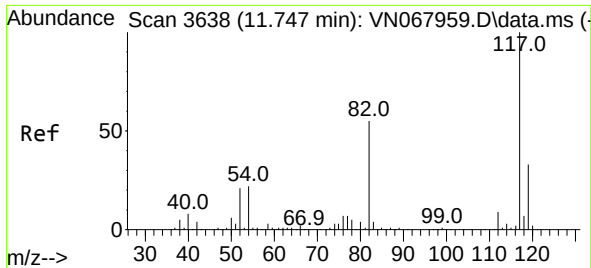
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 2.6 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 42.31 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 95 Resp: 231773
Ion Ratio Lower Upper
95 100
174 72.0 0.0 122.0
176 70.3 0.0 117.6

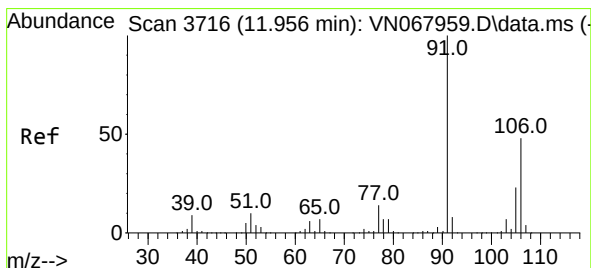
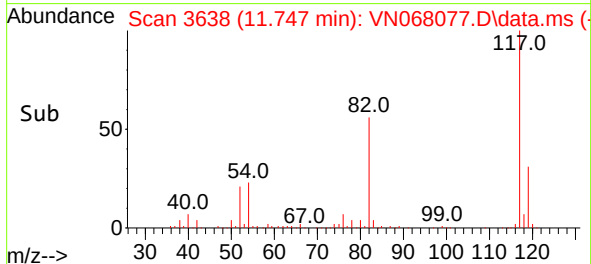
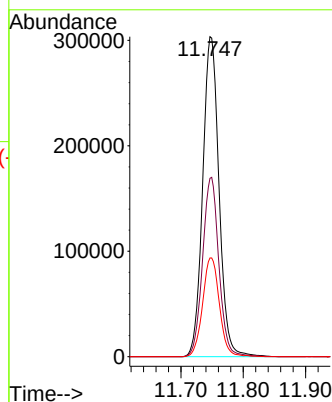
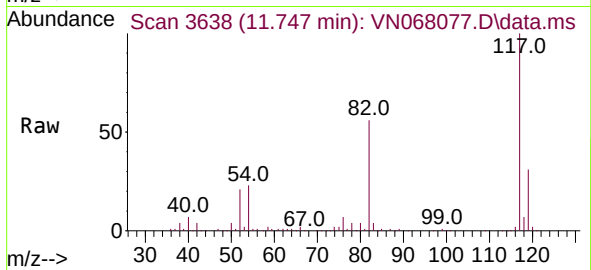




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

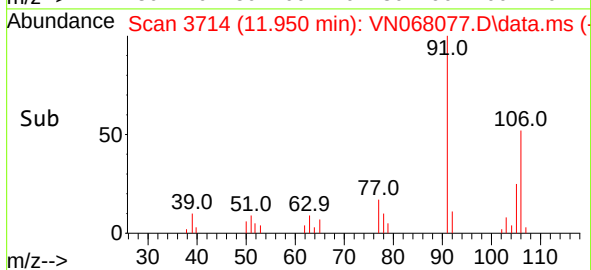
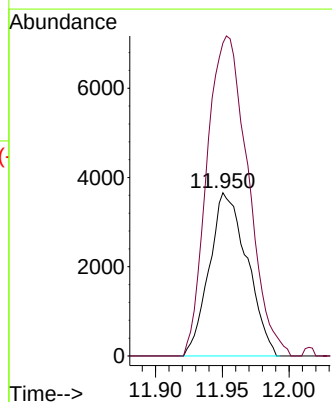
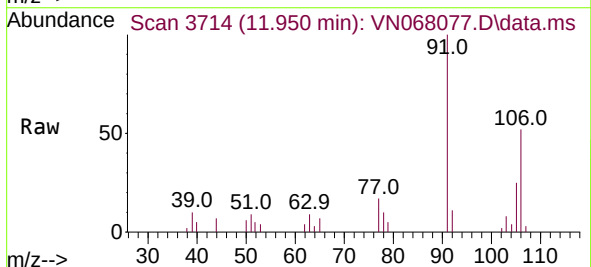
Instrument :
MSVOA_N
ClientSampleId :

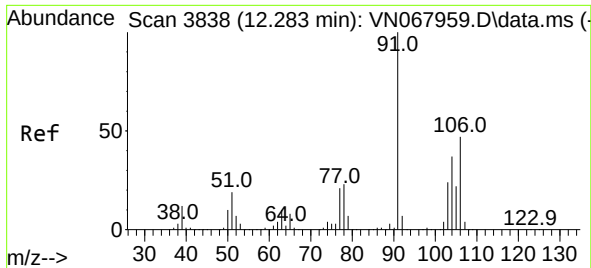
Tgt Ion:117 Resp: 552720
Ion Ratio Lower Upper
117 100
82 55.7 53.1 79.7
119 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 4.85 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion:106 Resp: 7217
Ion Ratio Lower Upper
106 100
91 211.8 180.6 270.8

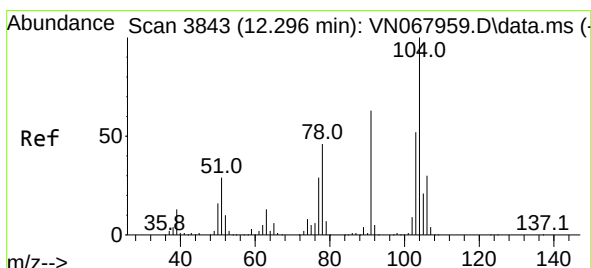
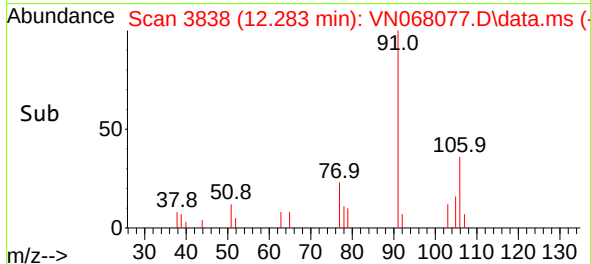
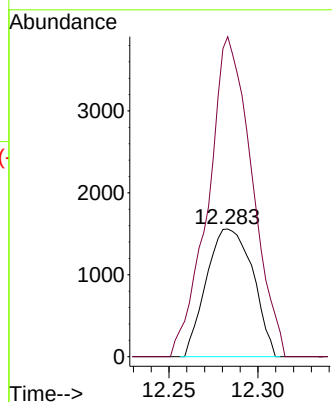
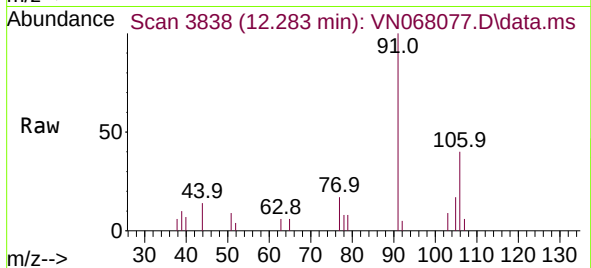




#69
o-Xylene
Concen: 0.38 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

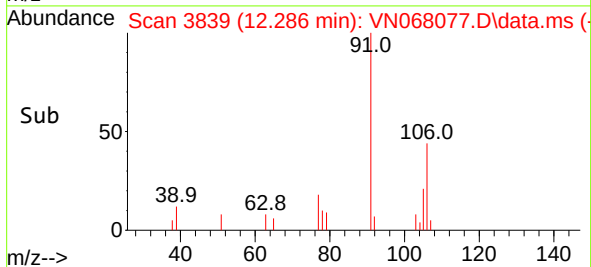
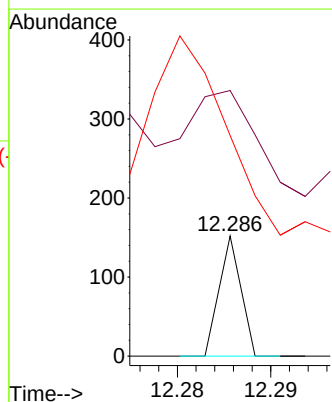
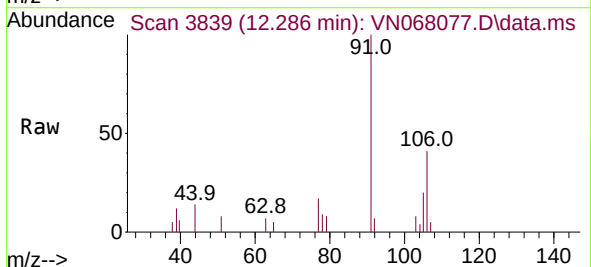
Instrument :
MSVOA_N
ClientSampleId :

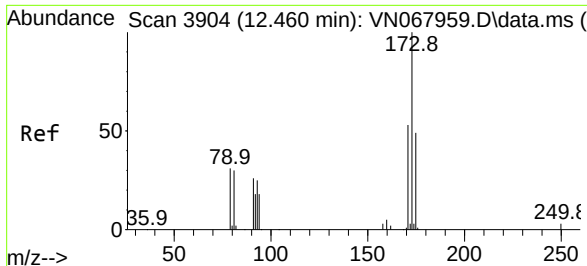
Tgt Ion:106 Resp: 2827
Ion Ratio Lower Upper
106 100
91 236.2 118.3 354.9



#70
Styrene
Concen: 2.63 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. -0.010 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion:104 Resp: 24
Ion Ratio Lower Upper
104 100
78 566.7 48.2 72.2#
103 1766.7 44.5 66.7#

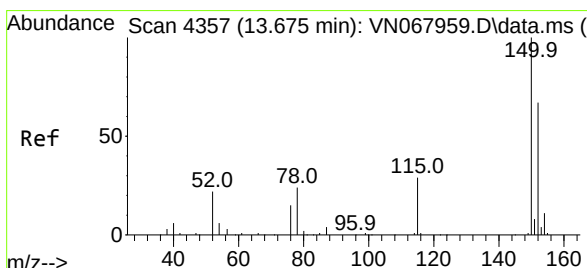
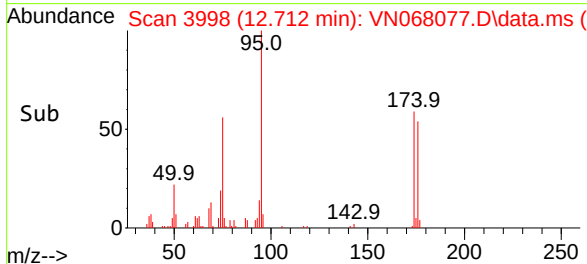
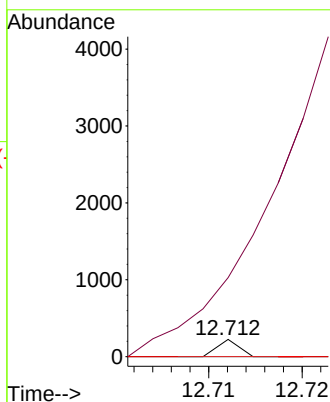
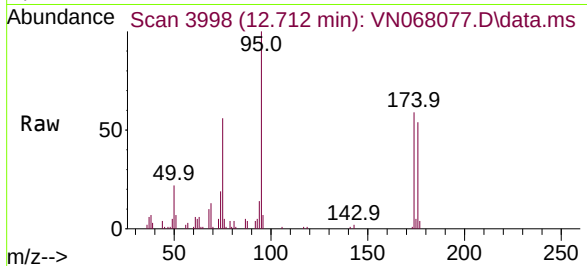




#71
Bromoform
Concen: 4.04 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

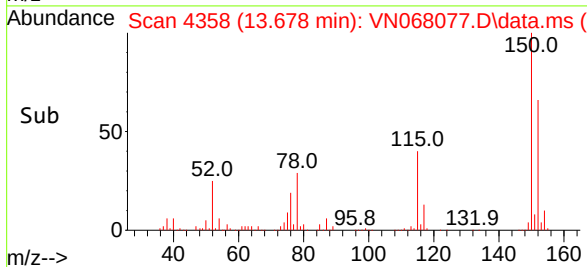
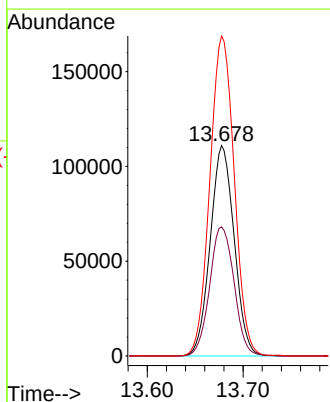
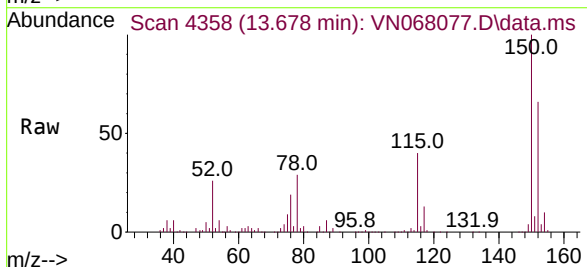
Instrument :
MSVOA_N
ClientSampleId :

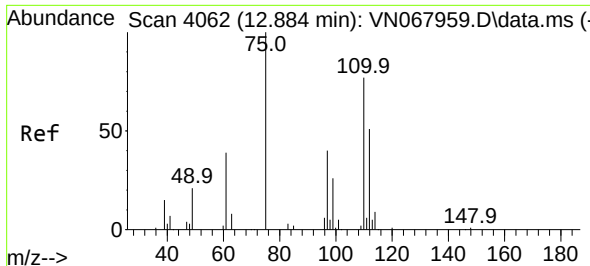
Tgt Ion:173 Resp: 36
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion:152 Resp: 192388
Ion Ratio Lower Upper
152 100
115 62.6 36.1 108.5
150 154.8 0.0 351.8

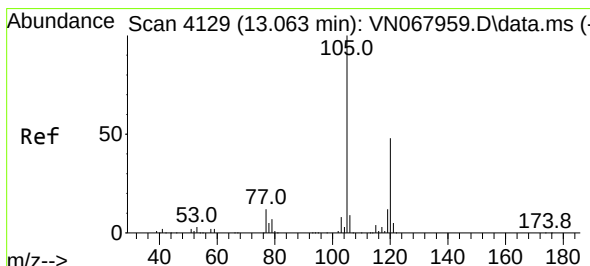
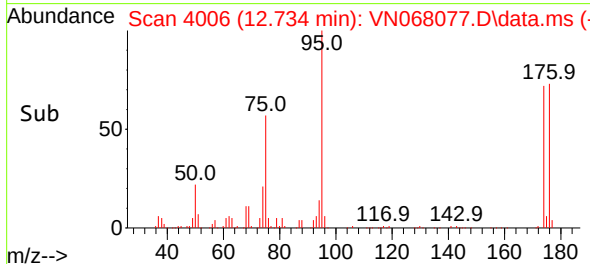
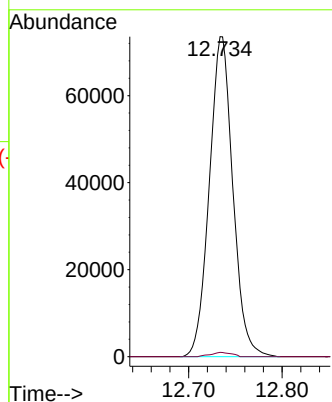
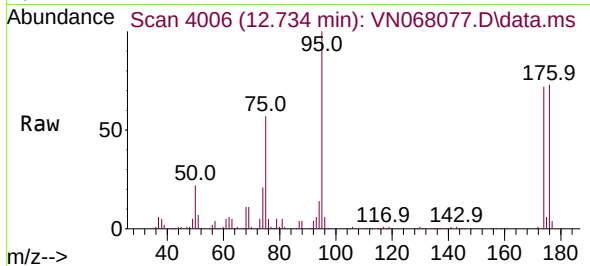




#76
1,2,3-Trichloropropane
Concen: 33.27 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

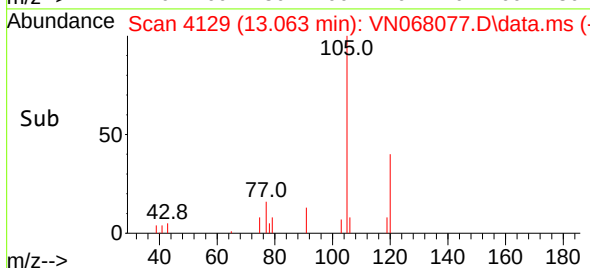
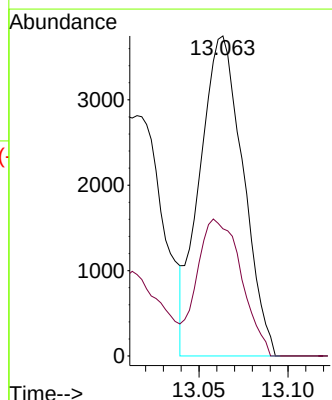
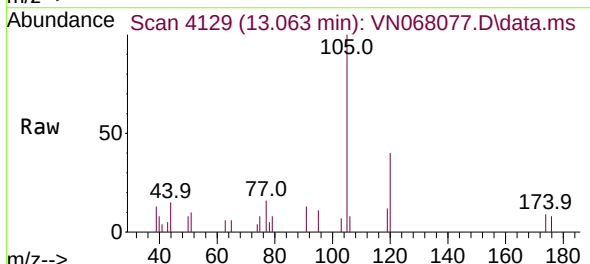
Instrument :
MSVOA_N
ClientSampleId :

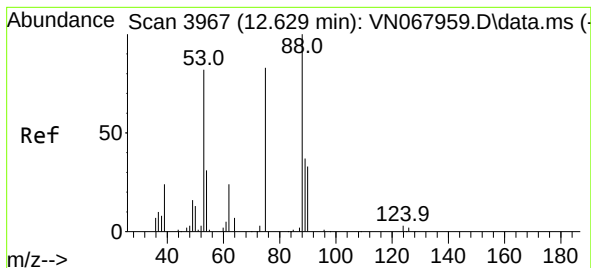
Tgt Ion: 75 Resp: 128555
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.50 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.000 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 105 Resp: 6340
Ion Ratio Lower Upper
105 100
120 43.9 22.2 66.6

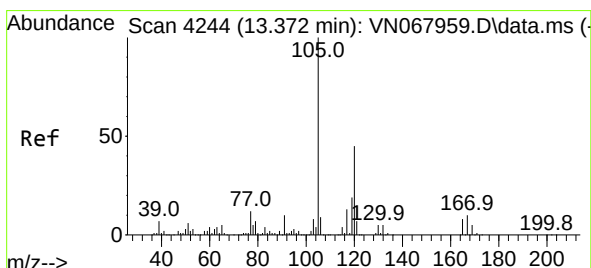
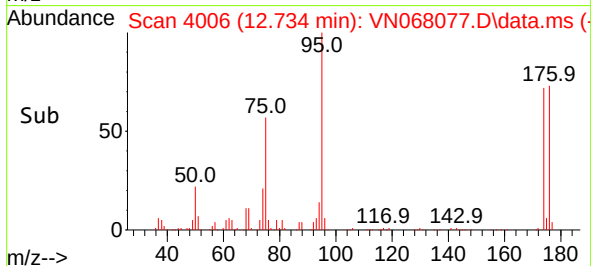
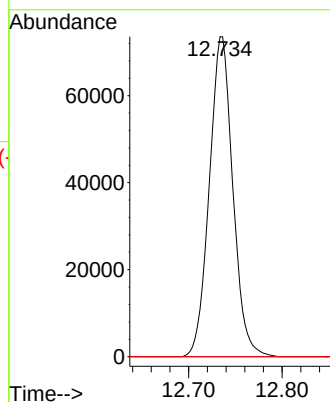
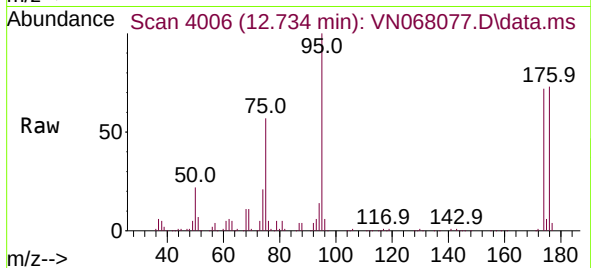




#81
trans-1,4-Dichloro-2-butene
Concen: 89.27 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

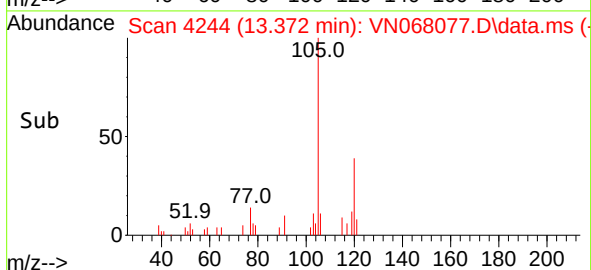
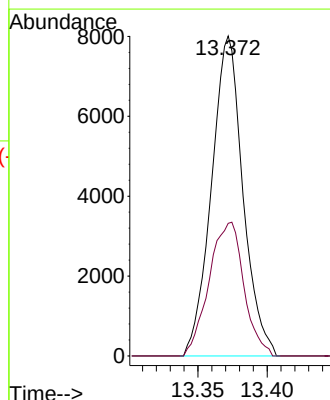
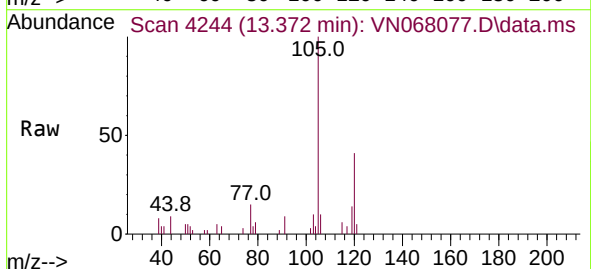
Instrument :
MSVOA_N
ClientSampled :

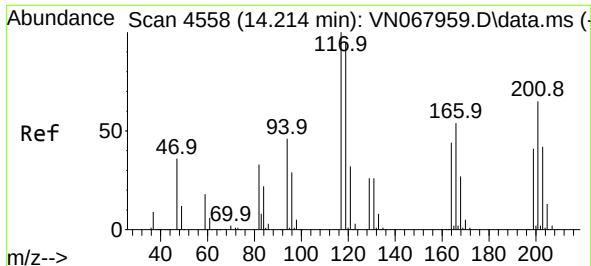
Tgt Ion: 75 Resp: 128555
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.03 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. -0.000 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion: 105 Resp: 12650
Ion Ratio Lower Upper
105 100
120 46.2 20.6 61.8

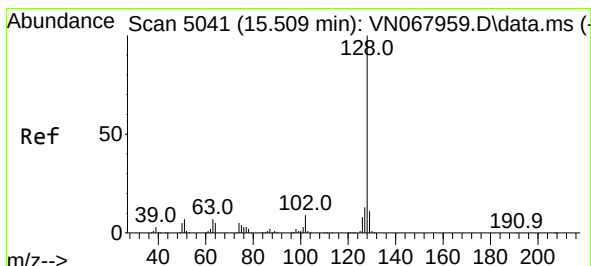
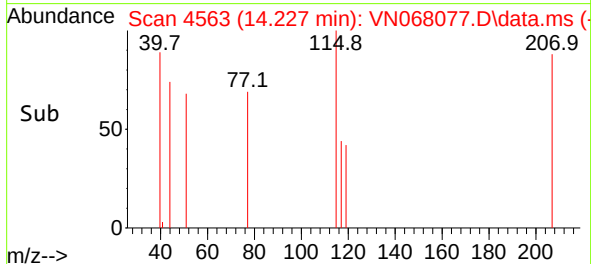
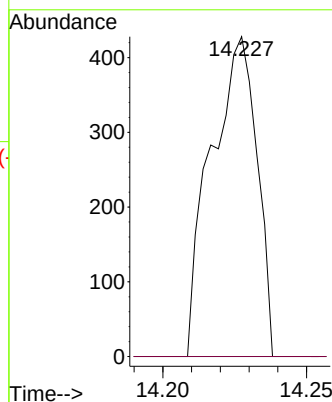
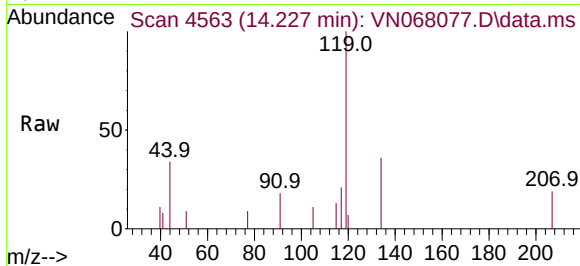




#90
Hexachloroethane
Concen: 0.24 ug/l
RT: 14.227 min Scan# 4563
Delta R.T. 0.013 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:117 Resp: 474
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#95
Naphthalene
Concen: 3.22 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068077.D
Acq: 11 Aug 2021 17:52

Tgt Ion:128 Resp: 880
Ion Ratio Lower Upper
128 100
127 3.0 10.6 15.8#
129 0.0 8.6 12.8#

