

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068748.D
 Acq On : 29 Sep 2021 19:05
 Operator : JC/MD
 Sample : M3986-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 29 23:43:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

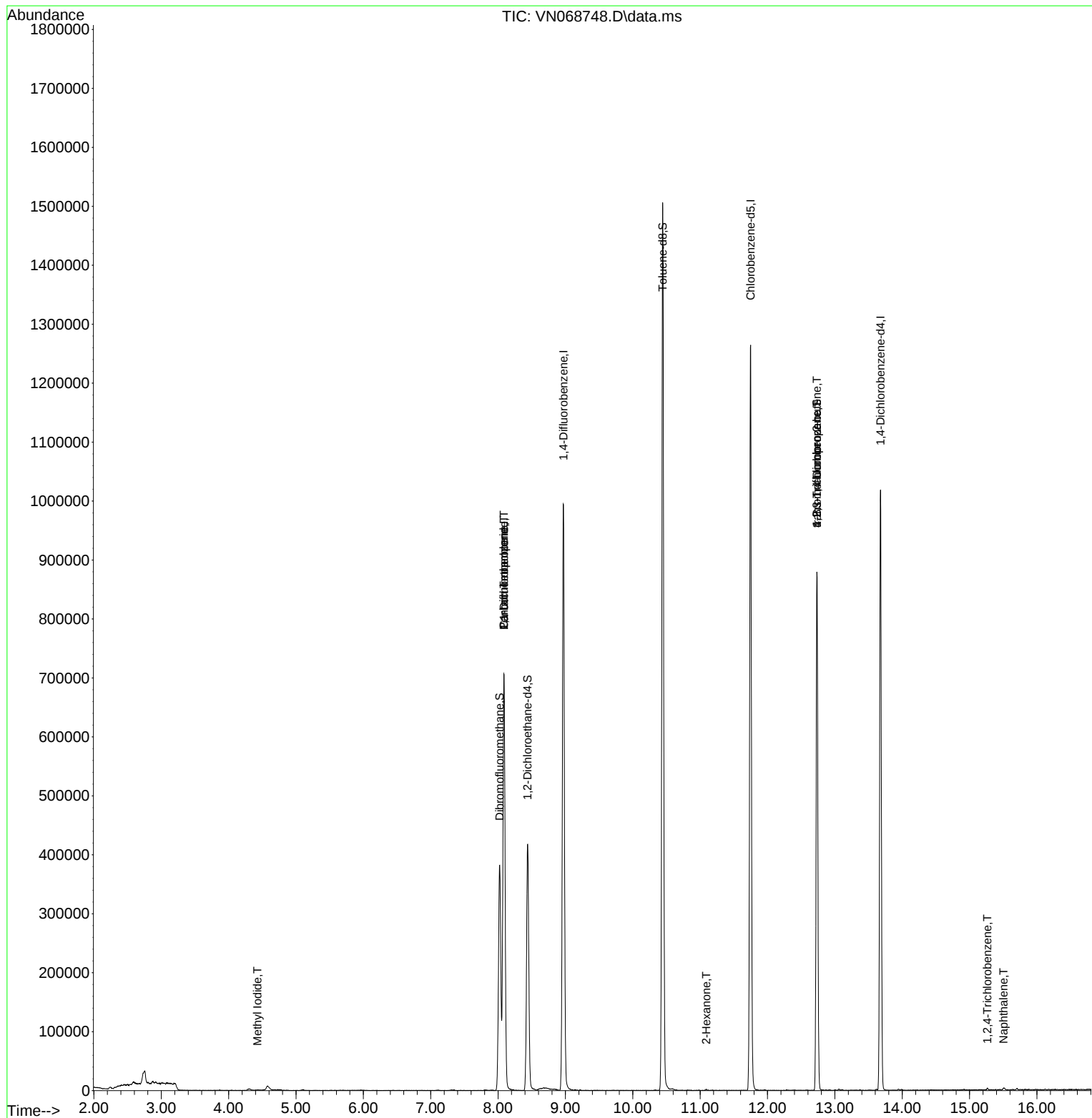
Internal Standards						
1) Pentafluorobenzene	8.088	168	510157	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	870203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	714379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	261032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	347846	48.936	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.880%		
35) Dibromofluoromethane	8.024	113	271496	50.214	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.420%		
50) Toluene-d8	10.443	98	1060110	53.656	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.320%		
62) 4-Bromofluorobenzene	12.734	95	281786	41.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.100%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	1196	Below Cal		99
5) Bromomethane	2.877	94	2558	Below Cal		86
6) Chloroethane	3.022	64	185	Below Cal	#	44
10) Methyl Iodide	4.428	142	601	1.465	ug/l #	50
13) Acrolein	4.041	56	144	Below Cal	#	14
16) Acetone	4.285	43	1503	Below Cal		94
17) Carbon Disulfide	4.535	76	720	Below Cal	#	74
31) Cyclohexane	8.086	56	13664	Below Cal	#	31
36) 1,1-Dichloropropene	8.088	75	44507	5.438	ug/l #	53
38) Carbon Tetrachloride	8.086	117	56021	5.762	ug/l #	17
59) 2-Hexanone	11.090	43	1416	0.238	ug/l	87
76) 1,2,3-Trichloropropane	12.734	75	162399	27.975	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	162399	81.324	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	883	0.205	ug/l #	73
95) Naphthalene	15.504	128	3916	1.756	ug/l #	91

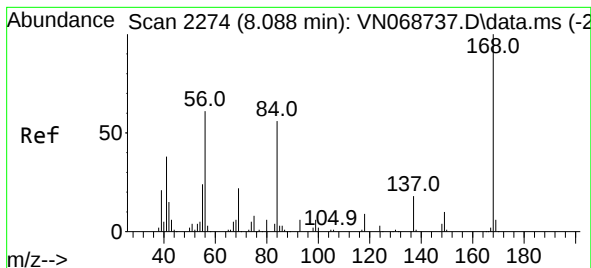
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

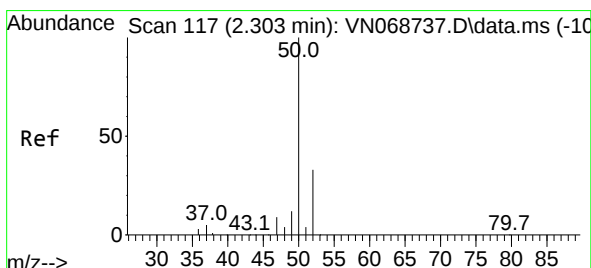
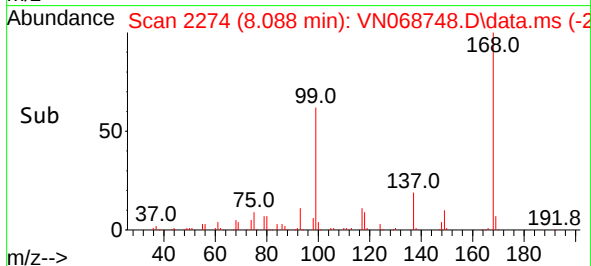
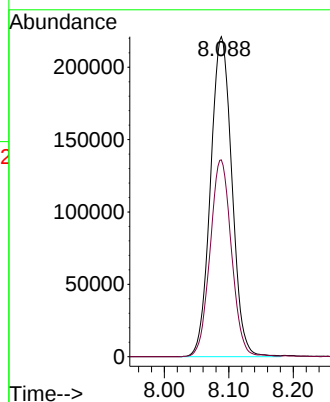
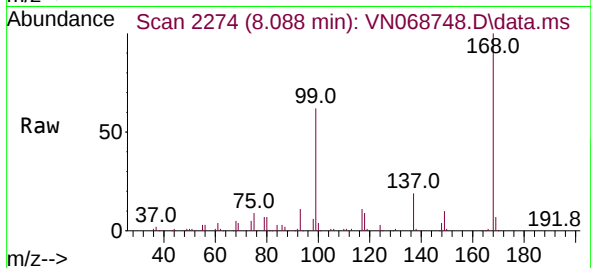
Lab File: VN068748.D

Acq: 29 Sep 2021 19:05

Tgt Ion:168 Resp: 510157

Ion Ratio Lower Upper

168 100
99 61.5 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

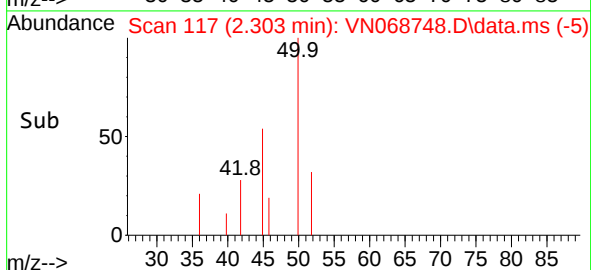
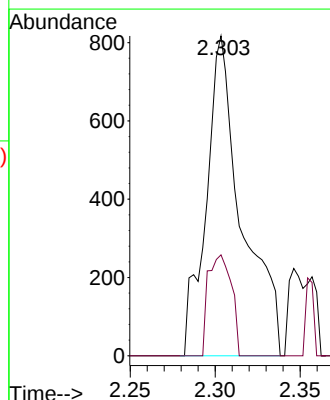
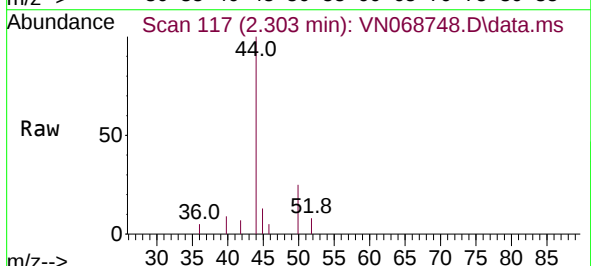
Lab File: VN068748.D

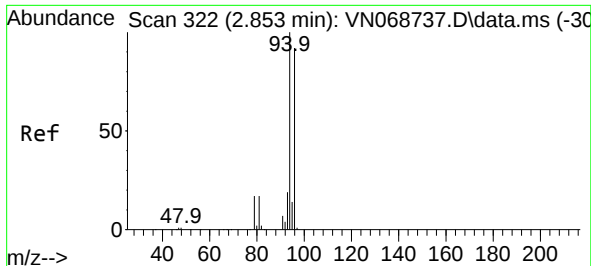
Acq: 29 Sep 2021 19:05

Tgt Ion: 50 Resp: 1196

Ion Ratio Lower Upper

50 100
52 31.6 25.6 38.4

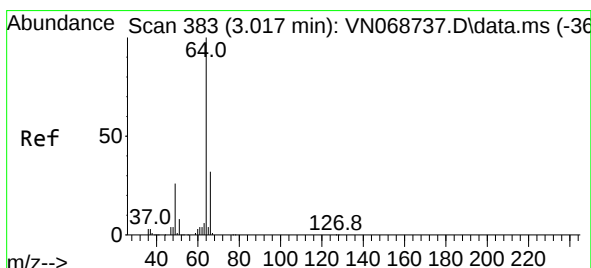
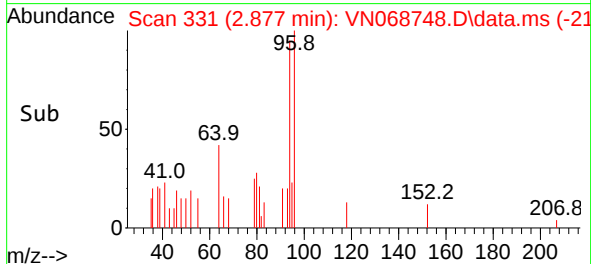
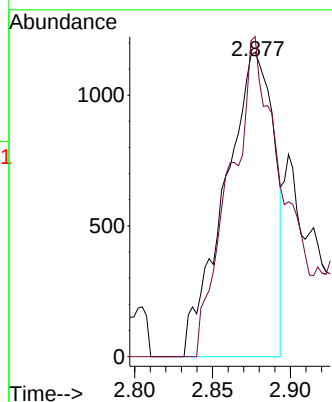
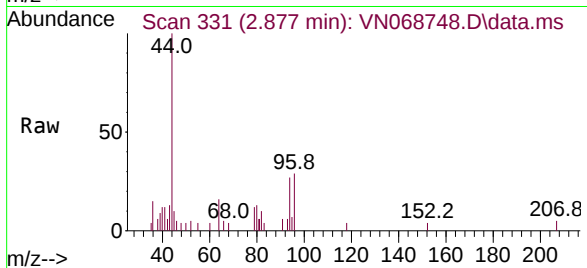




#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.024 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

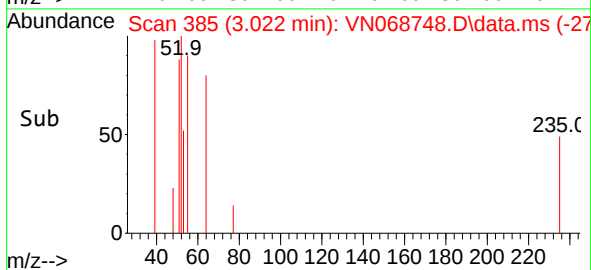
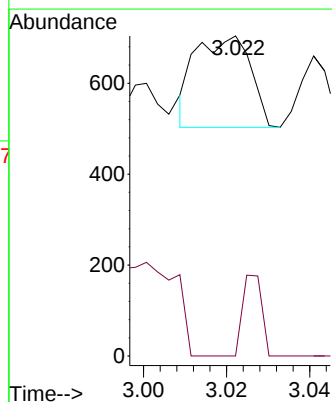
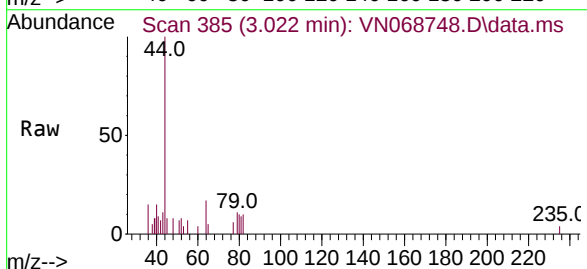
Instrument :
MSVOA_N
ClientSampled :

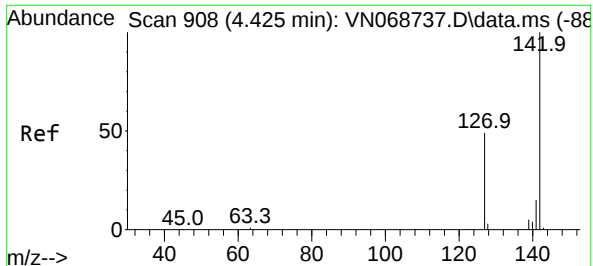
Tgt Ion: 94 Resp: 2558
Ion Ratio Lower Upper
94 100
96 105.1 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 385
Delta R.T. 0.005 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 64 Resp: 185
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

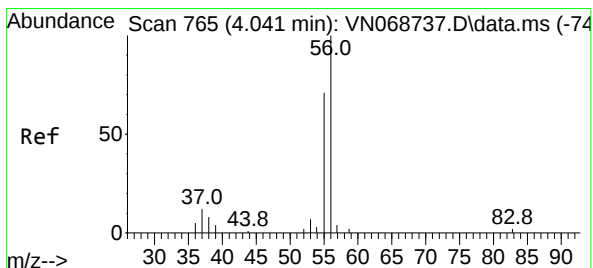
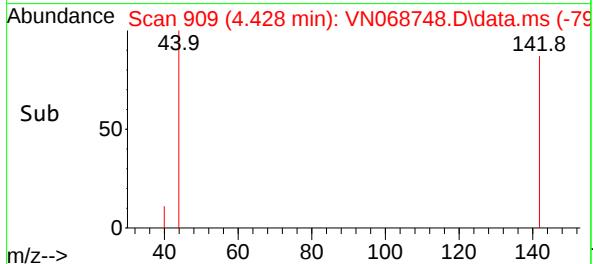
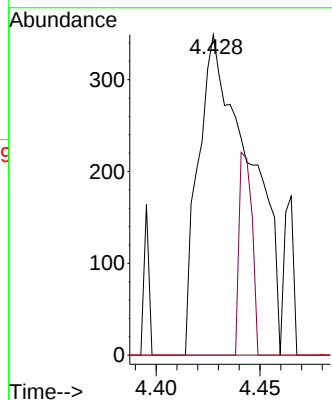
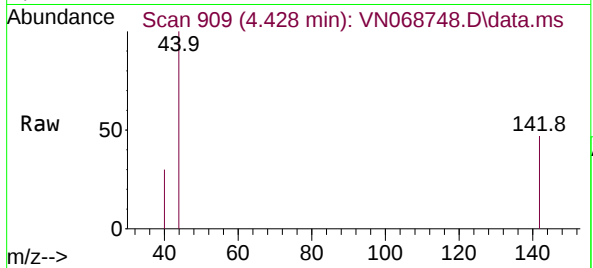




#10
Methyl Iodide
Concen: 1.465 ug/l
RT: 4.428 min Scan# 909
Delta R.T. 0.003 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

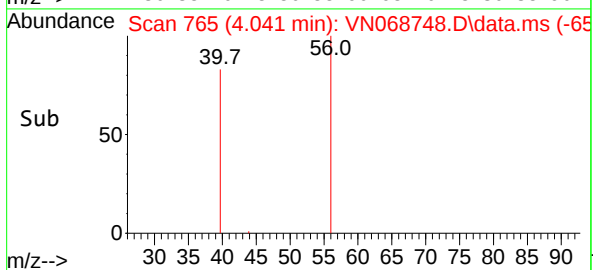
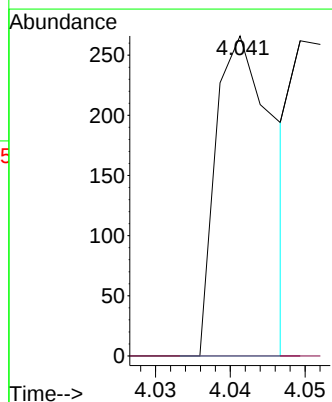
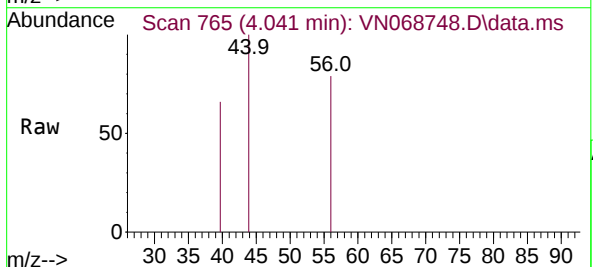
Instrument :
MSVOA_N
ClientSampled :

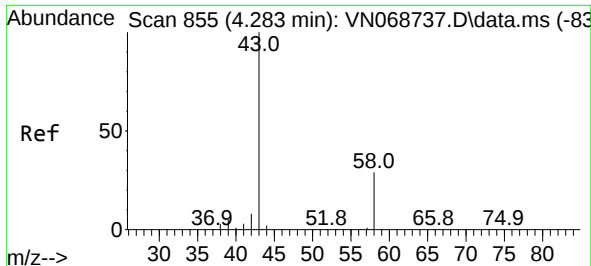
Tgt Ion:142 Resp: 601
Ion Ratio Lower Upper
142 100
127 15.6 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

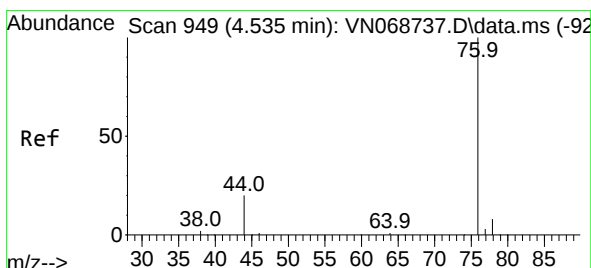
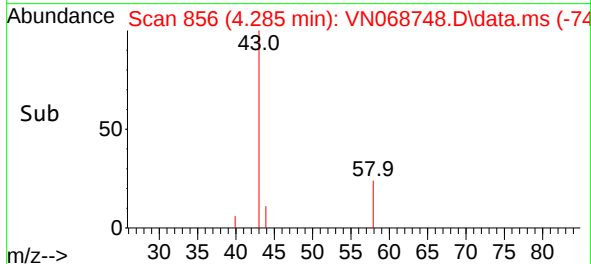
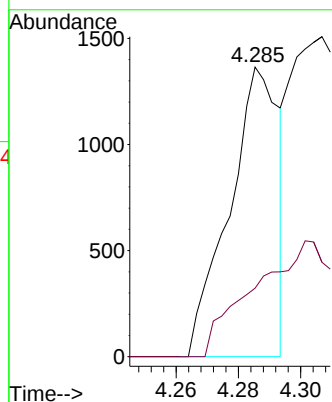
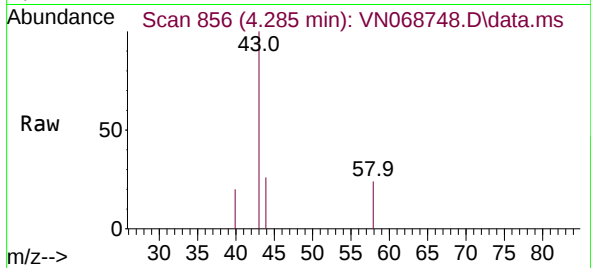




#16
Acetone
Concen: Below Cal
RT: 4.285 min Scan# 856
Delta R.T. 0.002 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

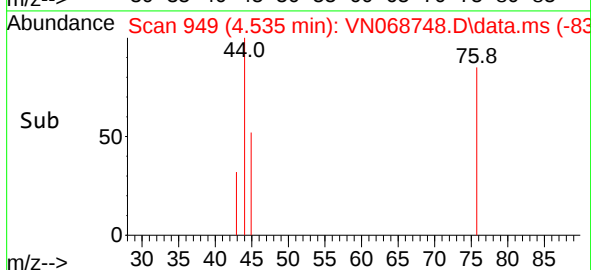
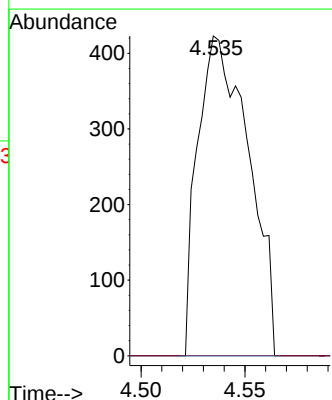
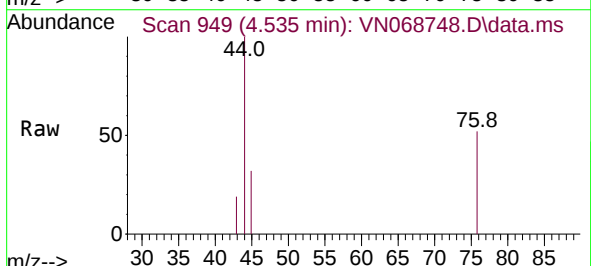
Instrument :
MSVOA_N
ClientSampled :

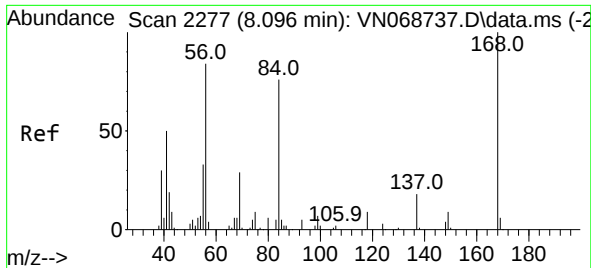
Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
58 23.7 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.535 min Scan# 949
Delta R.T. -0.000 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 76 Resp: 720
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

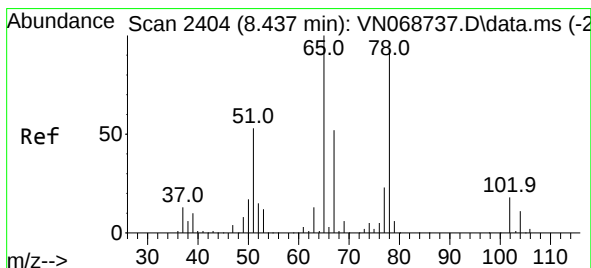
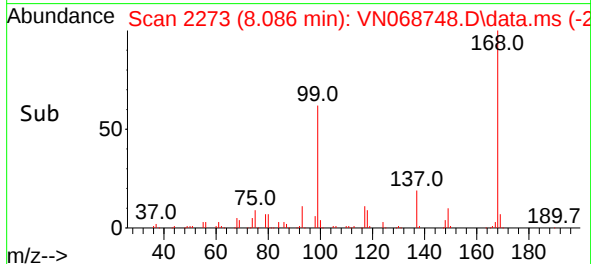
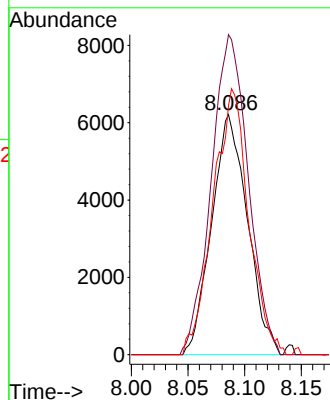
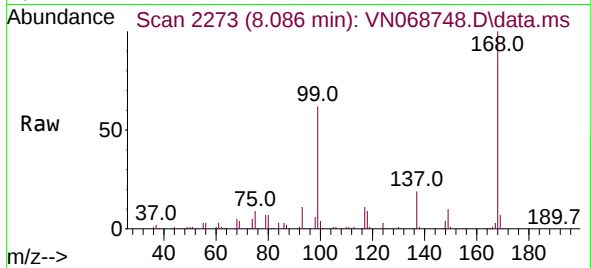




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

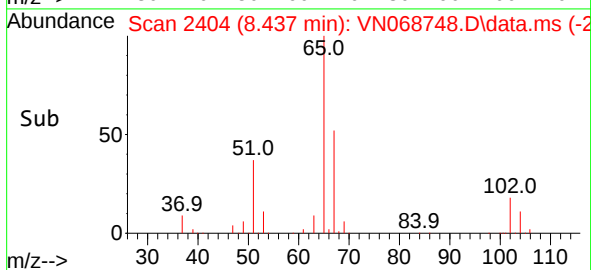
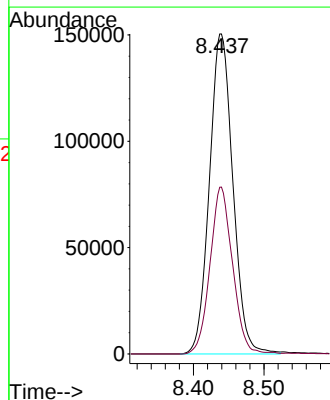
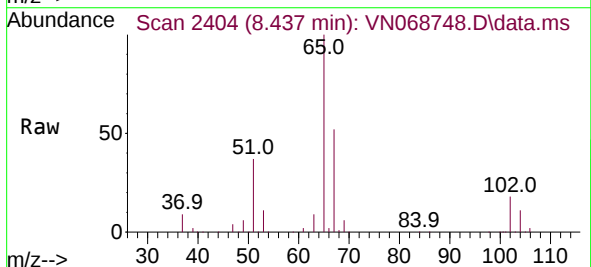
Instrument :
MSVOA_N
ClientSampled :

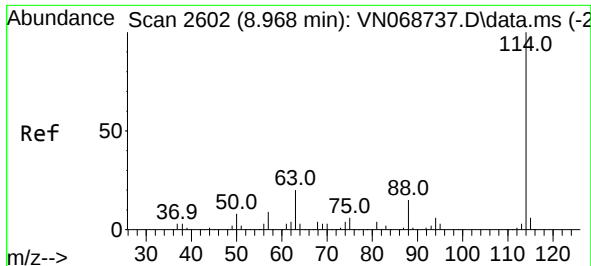
Tgt Ion: 56 Resp: 13664
Ion Ratio Lower Upper
56 100
69 133.3 27.3 40.9#
84 103.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.936 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 65 Resp: 347846
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.6

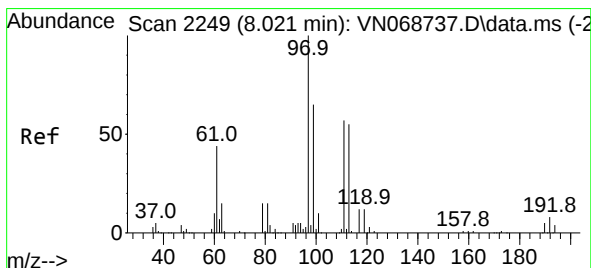
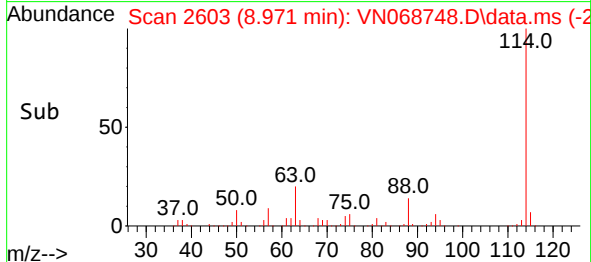
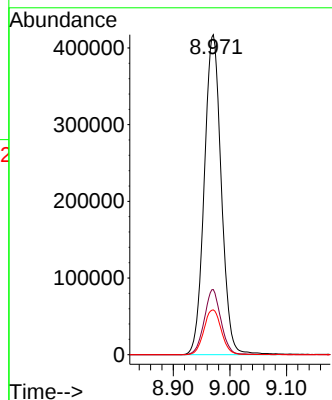
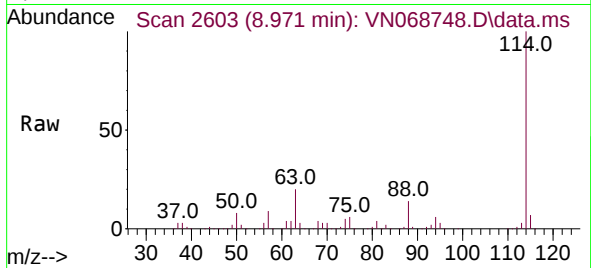




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

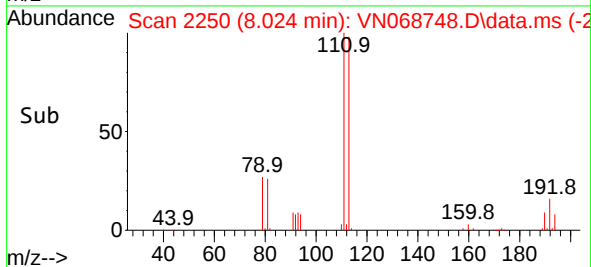
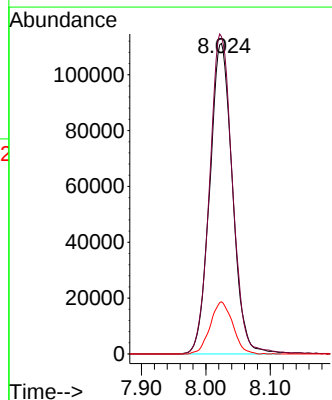
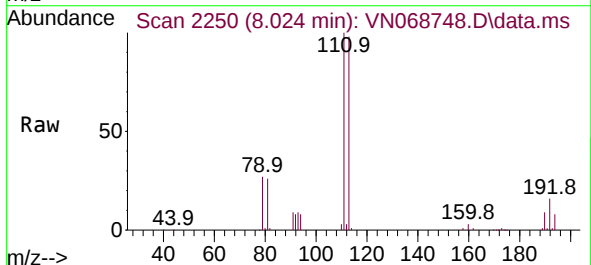
Instrument :
MSVOA_N
ClientSampled :

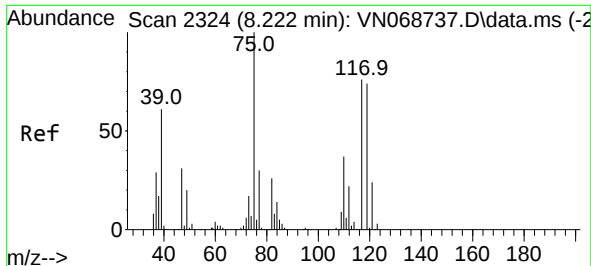
Tgt Ion:114 Resp: 870203
Ion Ratio Lower Upper
114 100
63 20.4 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.214 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion:113 Resp: 271496
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 16.7 13.4 20.0

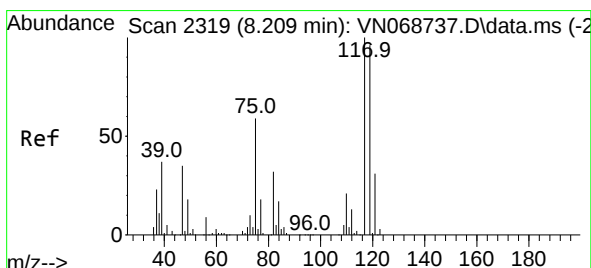
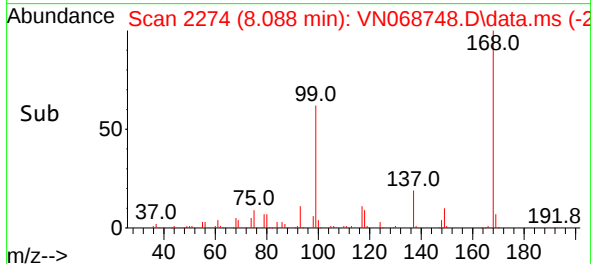
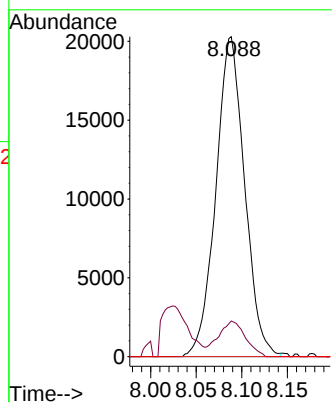
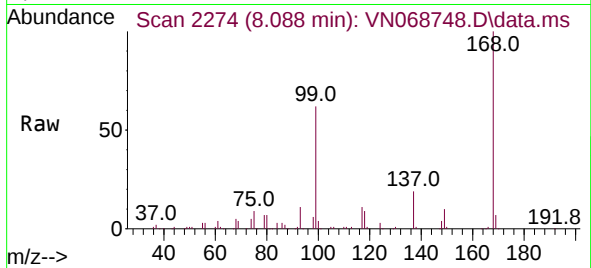




#36
1,1-Dichloropropene
Concen: 5.438 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

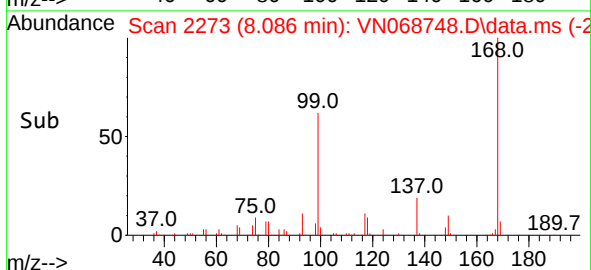
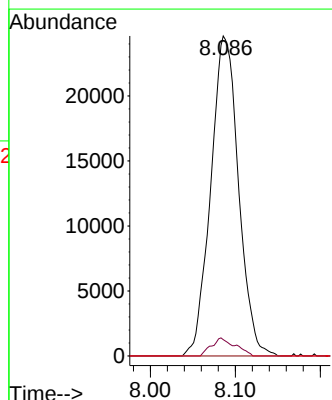
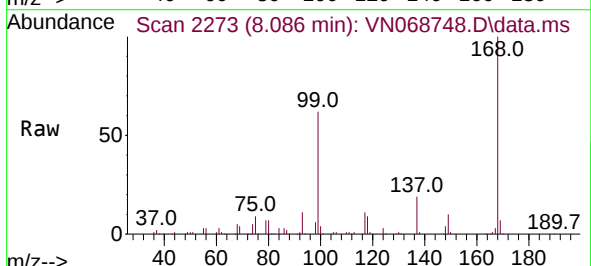
Instrument :
MSVOA_N
ClientSampled :

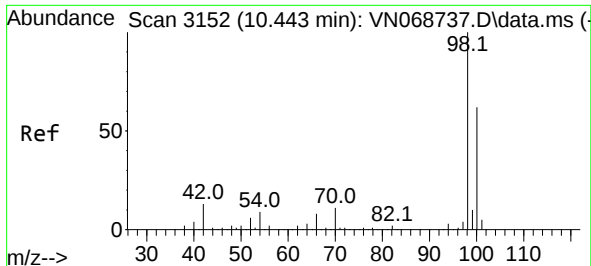
Tgt Ion: 75 Resp: 44507
Ion Ratio Lower Upper
75 100
110 10.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.762 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 117 Resp: 56021
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#

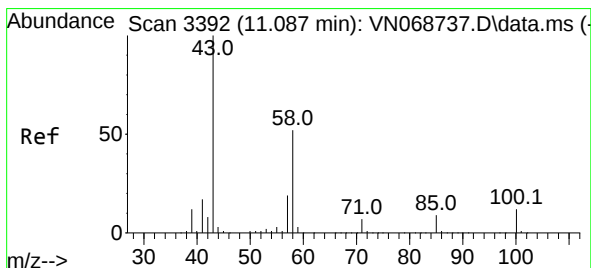
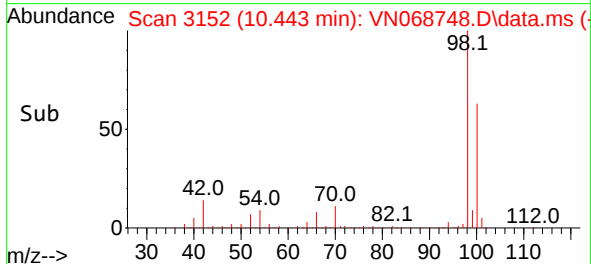
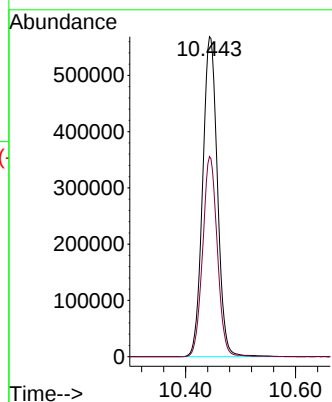
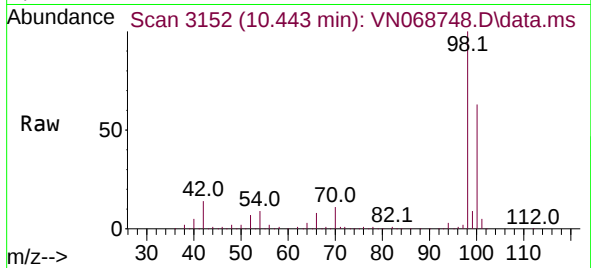




#50
Toluene-d8
Concen: 53.656 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

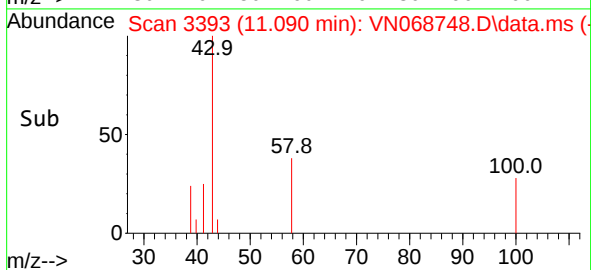
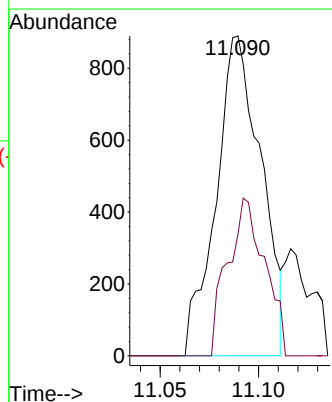
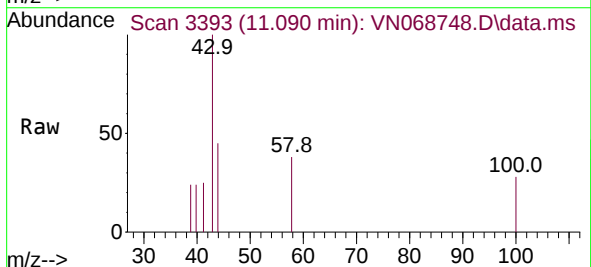
Instrument :
MSVOA_N
ClientSampled :

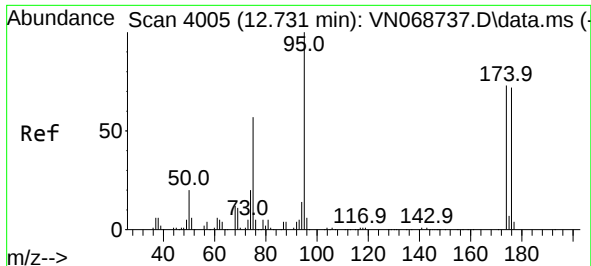
Tgt Ion: 98 Resp: 1060110
Ion Ratio Lower Upper
98 100
100 62.0 51.7 77.5



#59
2-Hexanone
Concen: 0.238 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
58 40.6 24.7 74.1

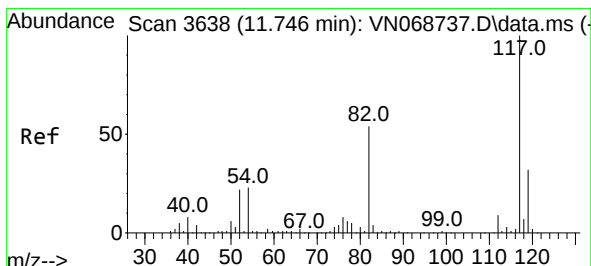
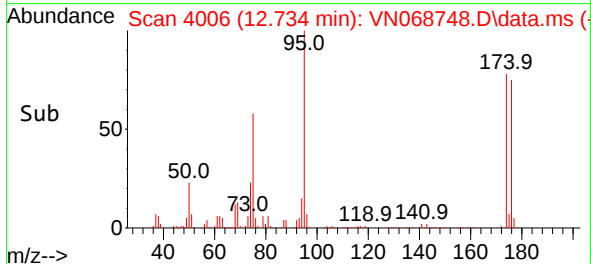
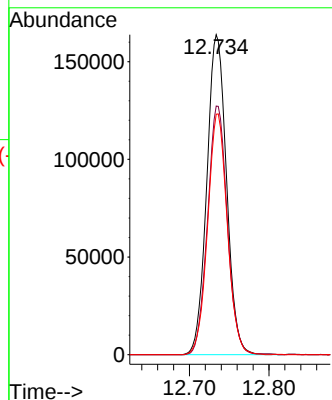
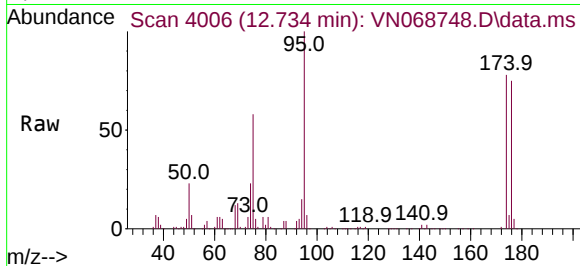




#62
4-Bromofluorobenzene
Concen: 41.045 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

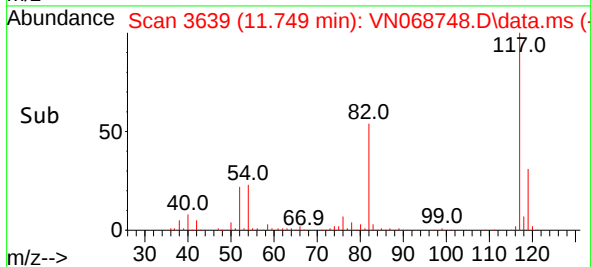
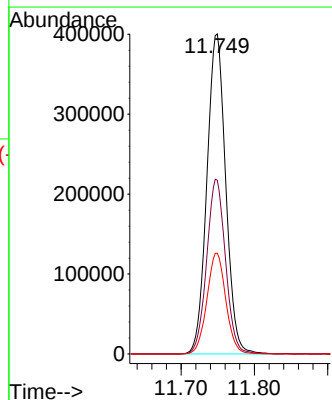
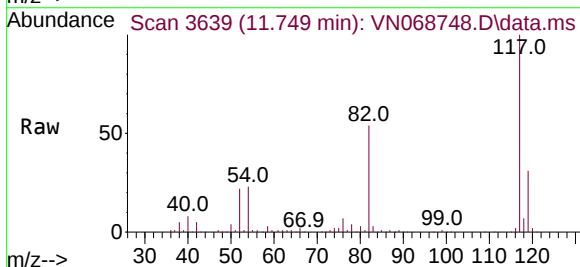
Instrument :
MSVOA_N
ClientSampled :

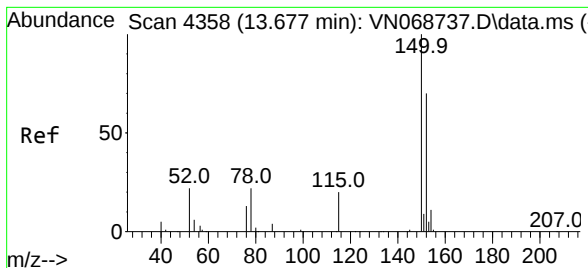
Tgt Ion: 95 Resp: 281786
Ion Ratio Lower Upper
95 100
174 78.2 0.0 122.0
176 75.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 117 Resp: 714379
Ion Ratio Lower Upper
117 100
82 54.3 53.1 79.7
119 31.5 25.5 38.3

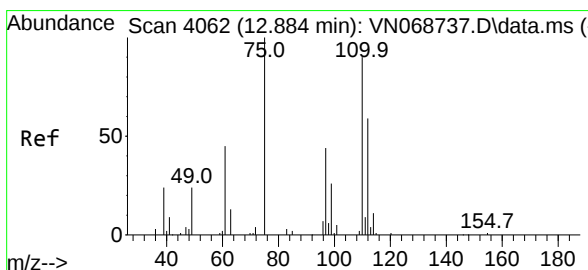
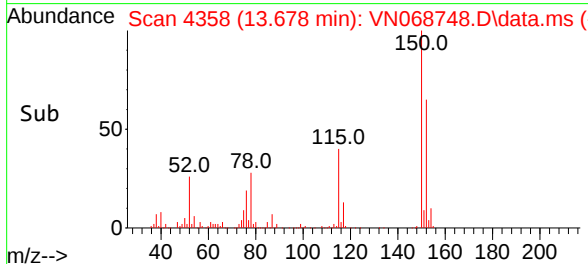
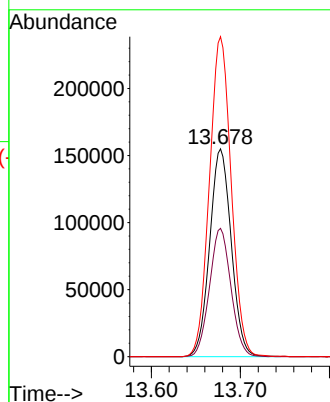
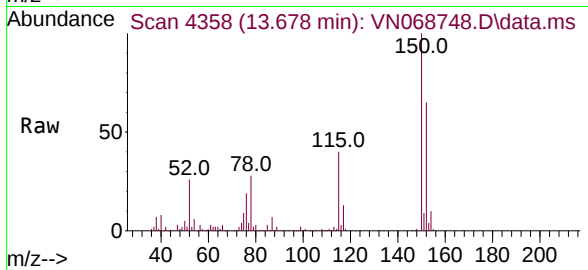




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

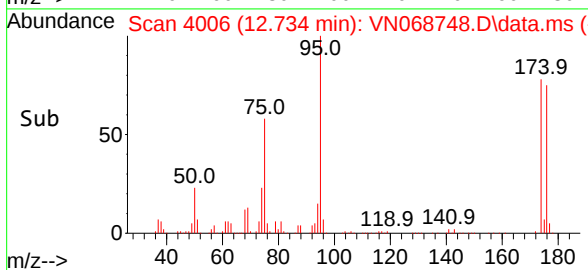
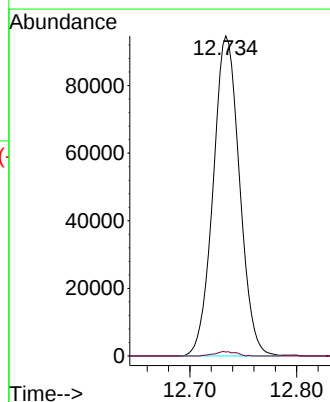
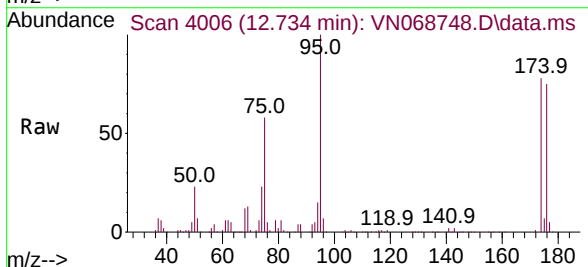
Instrument :
MSVOA_N
ClientSampled :

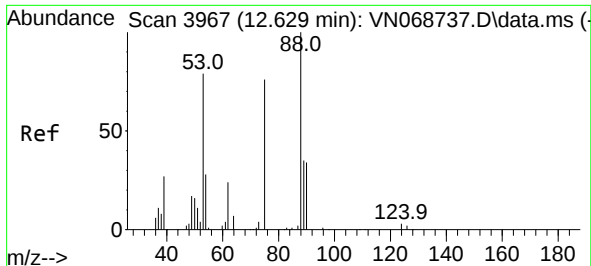
Tgt Ion:152 Resp: 261032
Ion Ratio Lower Upper
152 100
115 61.1 36.1 108.5
150 154.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.975 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion: 75 Resp: 162399
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

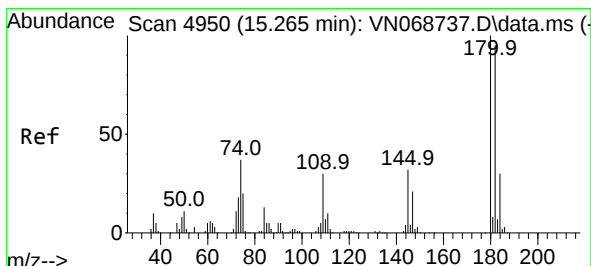
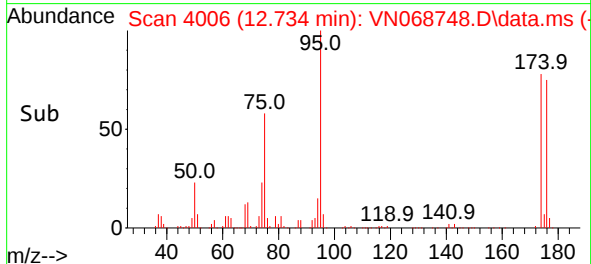
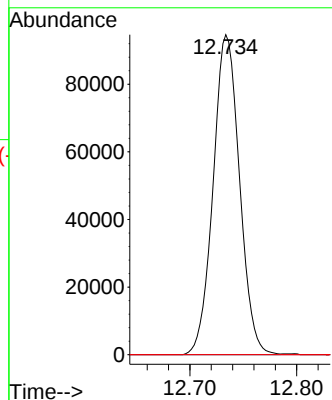
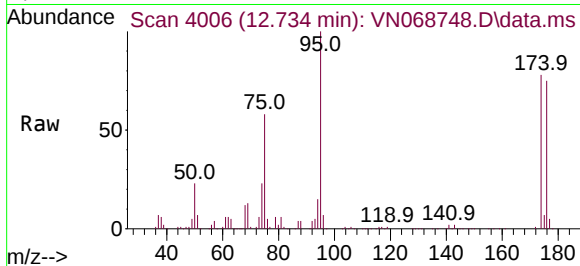




#81
trans-1,4-Dichloro-2-butene
Concen: 81.324 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

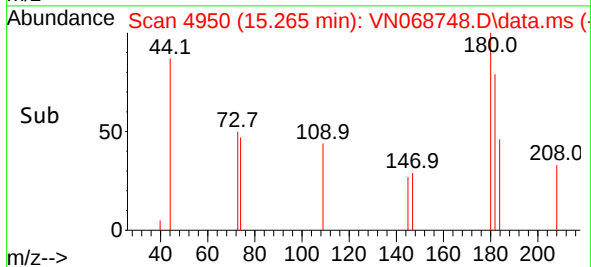
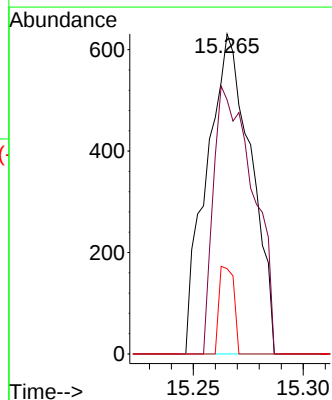
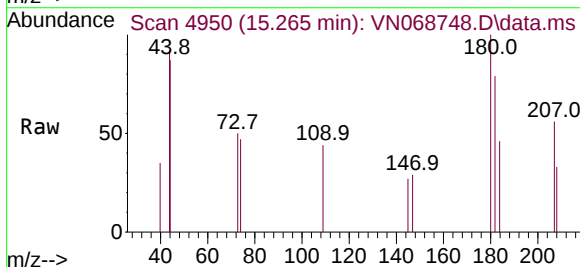
Instrument :
MSVOA_N
ClientSampled :

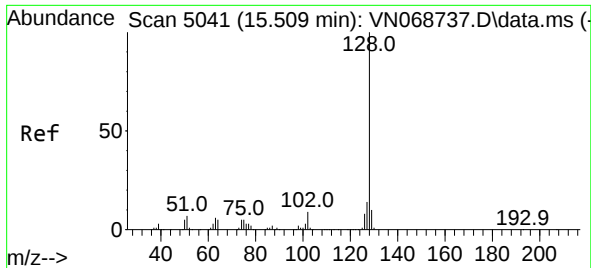
Tgt Ion: 75 Resp: 162399
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.205 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Tgt Ion:180 Resp: 883
Ion Ratio Lower Upper
180 100
182 74.9 47.5 142.5
145 9.1 17.2 51.6#





#95
Naphthalene
Concen: 1.756 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN068748.D
Acq: 29 Sep 2021 19:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	4.3	8.6	12.8#

