

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
 Data File : VN068949.D
 Acq On : 15 Oct 2021 15:05
 Operator : JC/MD
 Sample : M4192-19
 Misc : 4.78g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:15:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

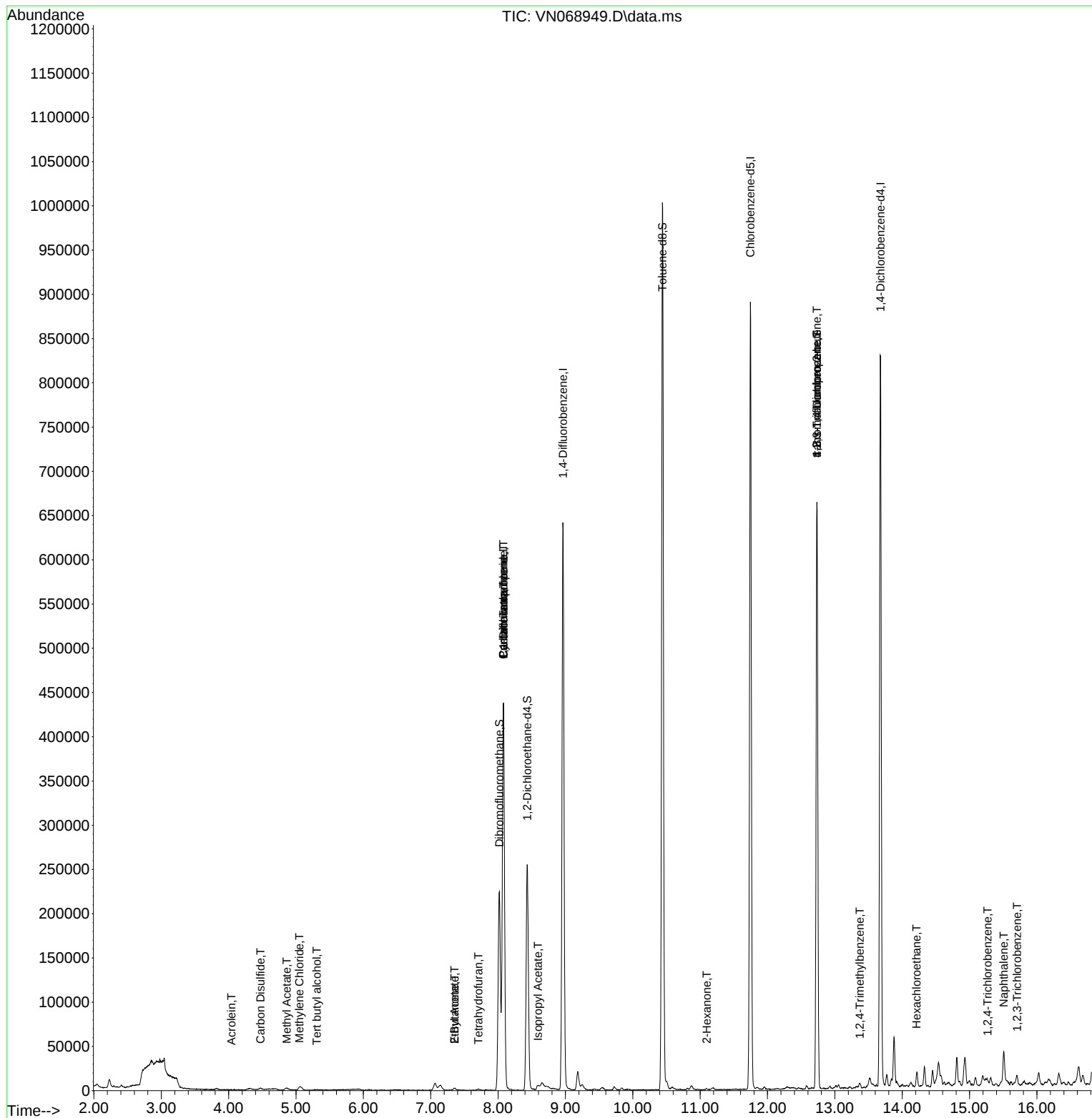
Internal Standards						
1) Pentafluorobenzene	8.080	168	331396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	579616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	522126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	212714	48.683	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.360%
35) Dibromofluoromethane	8.019	113	167503	49.671	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.340%
50) Toluene-d8	10.440	98	719887	53.353	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.700%
62) 4-Bromofluorobenzene	12.733	95	250004	49.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.307	59	459	0.575	ug/l #	72
13) Acrolein	4.041	56	129	0.365	ug/l	94
17) Carbon Disulfide	4.473	76	3624	0.417	ug/l #	94
18) Methyl Acetate	4.865	43	6433	1.040	ug/l #	62
20) Methylene Chloride	5.050	84	1488	0.396	ug/l #	86
25) 2-Butanone	7.353	43	5011	2.032	ug/l	95
29) Tetrahydrofuran	7.707	42	1028	0.643	ug/l #	43
31) Cyclohexane	8.080	56	7783	1.146	ug/l #	11
36) 1,1-Dichloropropene	8.078	75	27130	5.480	ug/l #	50
37) Ethyl Acetate	7.353	43	5011	0.980	ug/l #	68
38) Carbon Tetrachloride	8.078	117	34765	6.394	ug/l #	16
43) Isopropyl Acetate	8.592	43	4269	0.473	ug/l #	55
59) 2-Hexanone	11.097	43	836	0.223	ug/l	85
76) 1,2,3-Trichloropropane	12.733	75	126828	27.283	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	126828	65.273	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.372	105	3400	0.233	ug/l	90
90) Hexachloroethane	14.214	117	1345	0.437	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	439	2.715	ug/l #	47
95) Naphthalene	15.507	128	35988	7.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	566	2.668	ug/l #	43

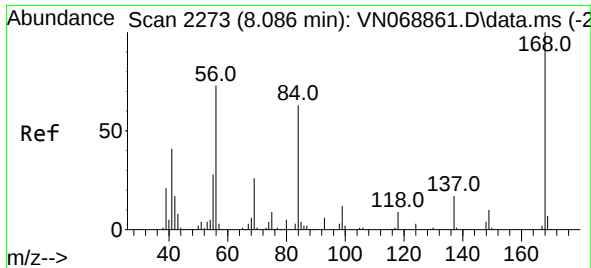
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

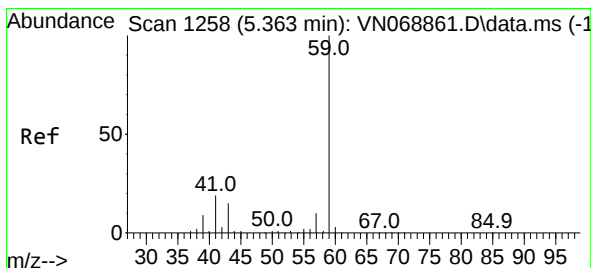
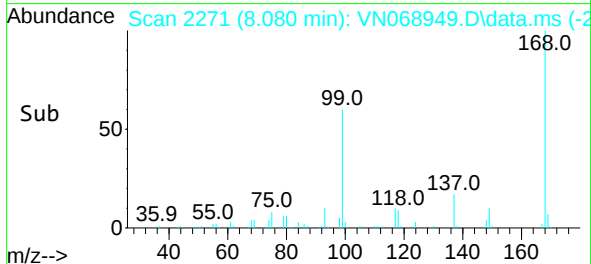
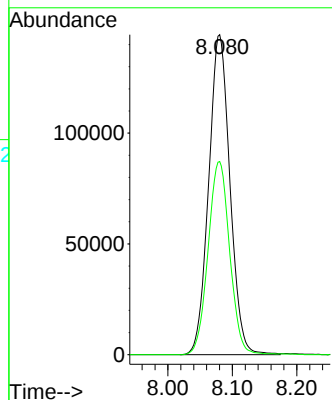
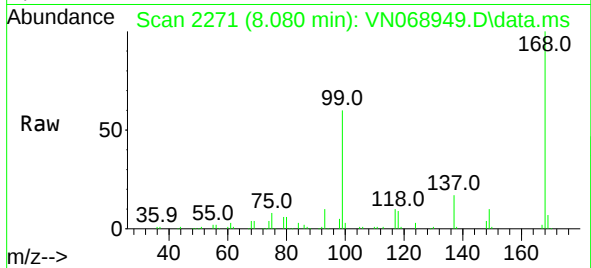




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

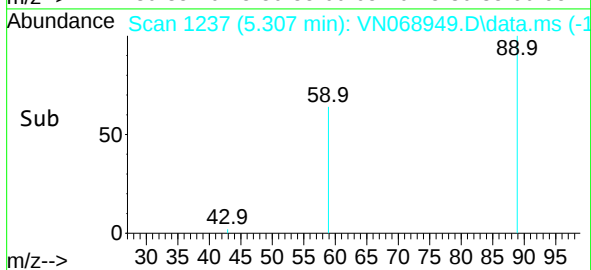
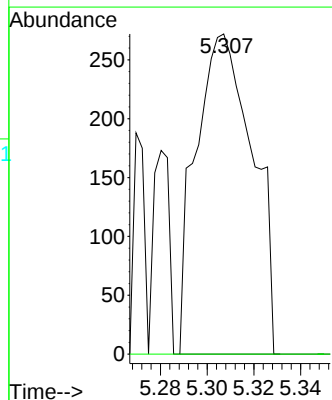
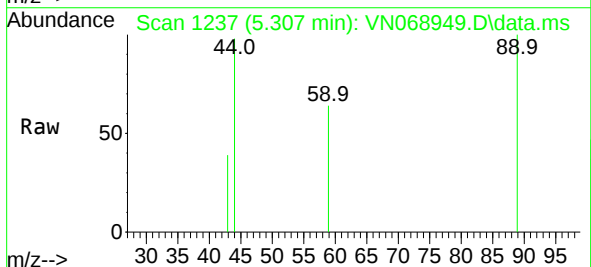
Instrument :
MSVOA_N
ClientSampled :

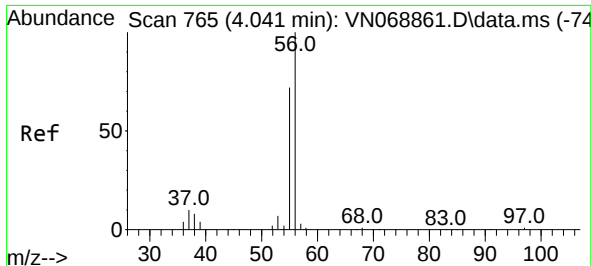
Tgt Ion:168 Resp: 331396
Ion Ratio Lower Upper
168 100
99 60.4 48.9 73.3



#11
Tert butyl alcohol
Concen: 0.575 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.056 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 59 Resp: 459
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

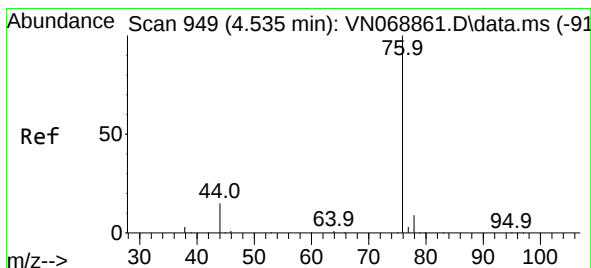
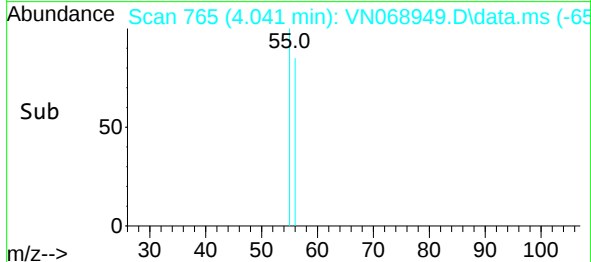
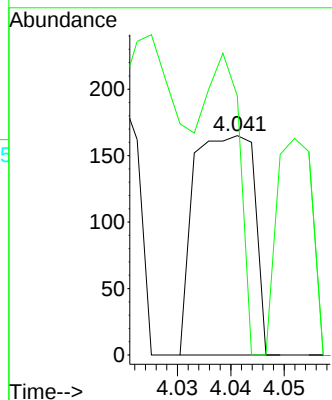
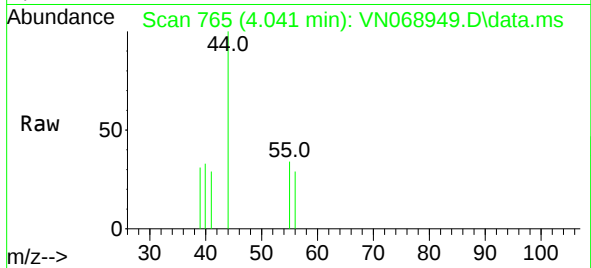




#13
Acrolein
Concen: 0.365 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

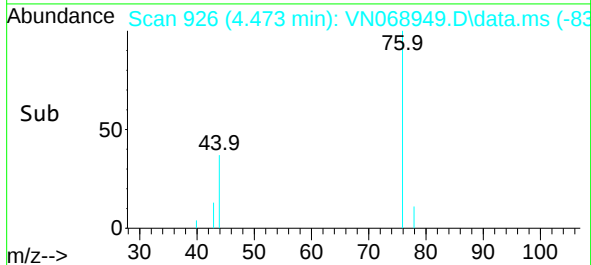
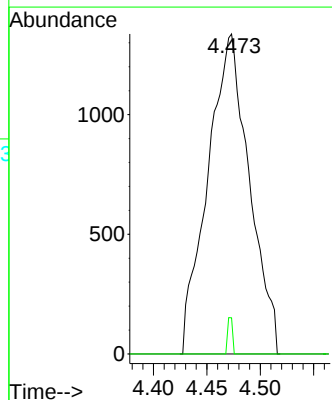
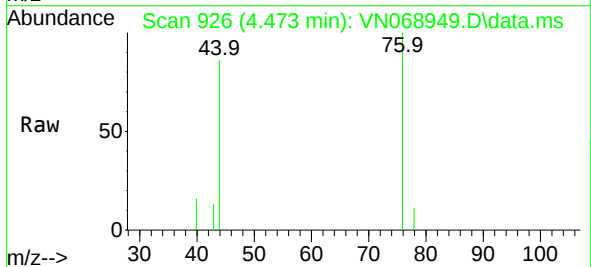
Instrument :
MSVOA_N
ClientSampled :

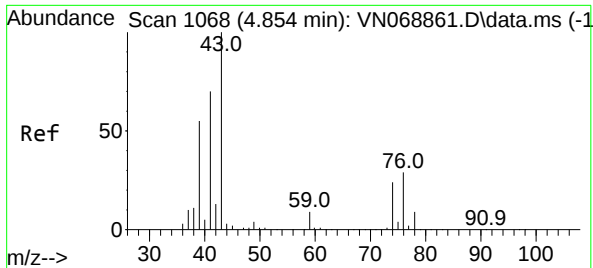
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 77.5 58.1 87.1



#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 4.473 min Scan# 926
Delta R.T. -0.062 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 76 Resp: 3624
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#

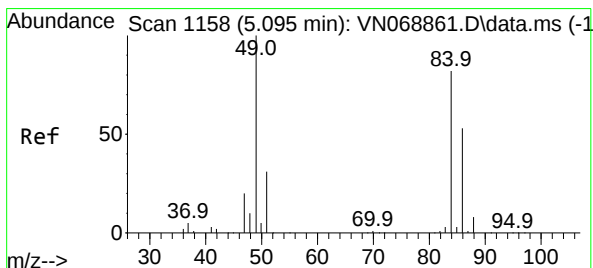
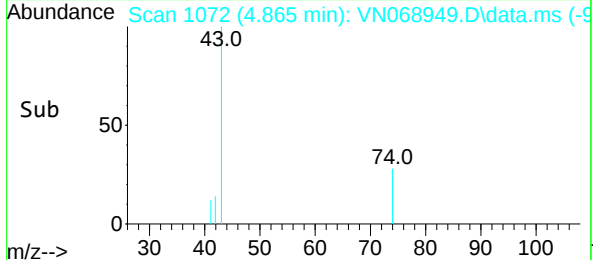
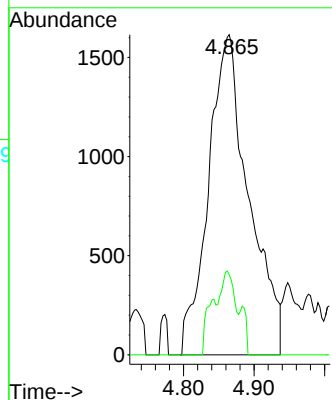
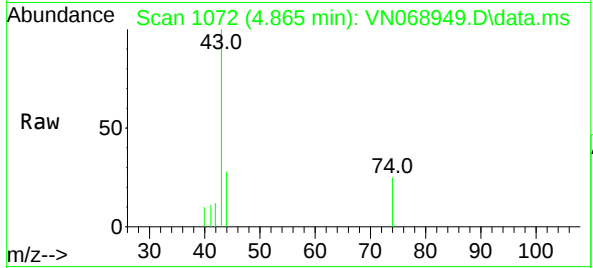




#18
Methyl Acetate
Concen: 1.040 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

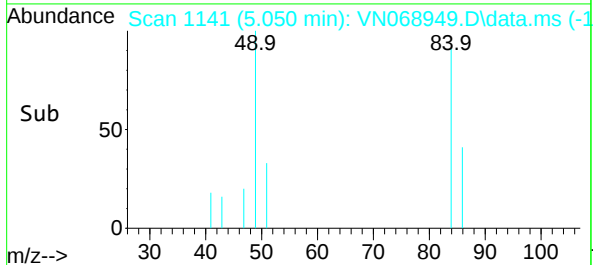
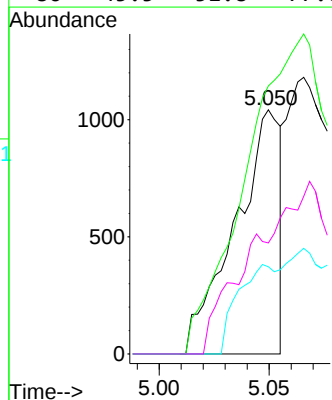
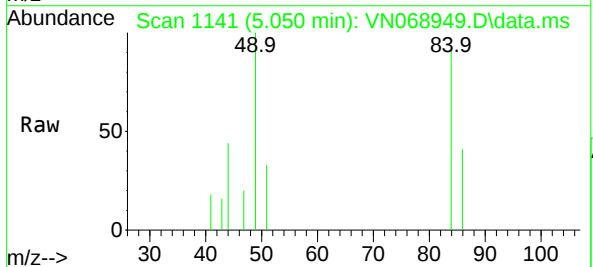
Instrument :
MSVOA_N
ClientSampled :

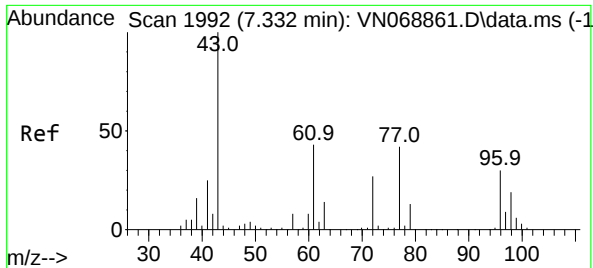
Tgt Ion: 43 Resp: 6433
Ion Ratio Lower Upper
43 100
74 5.1 18.9 28.3#



#20
Methylene Chloride
Concen: 0.396 ug/l
RT: 5.050 min Scan# 1141
Delta R.T. -0.046 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 84 Resp: 1488
Ion Ratio Lower Upper
84 100
49 109.8 97.6 146.4
51 35.7 30.3 45.5
86 45.5 51.8 77.6#

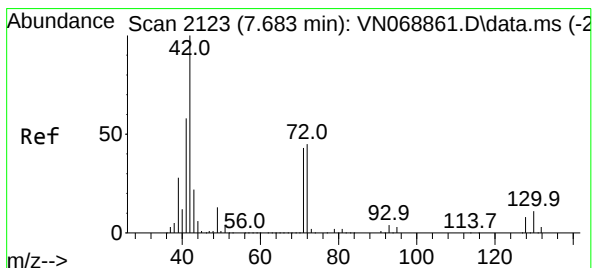
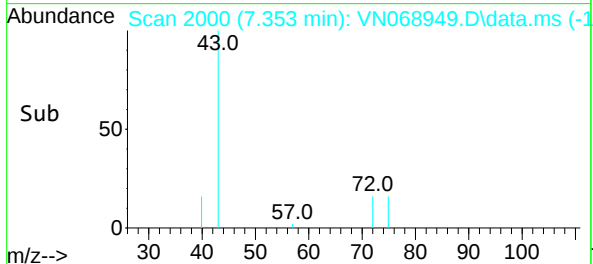
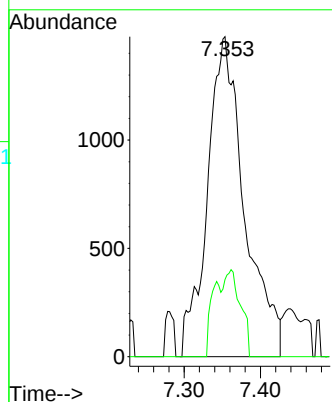
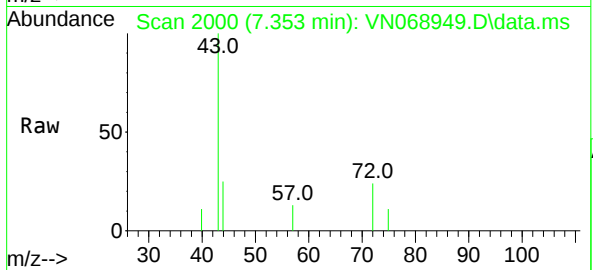




#25
2-Butanone
Concen: 2.032 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.021 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

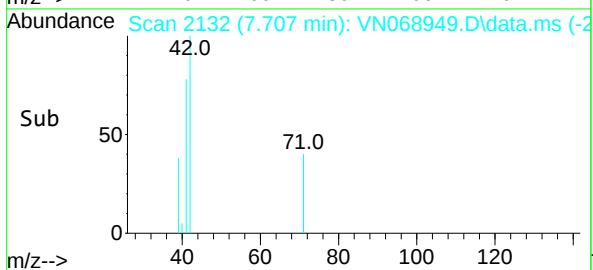
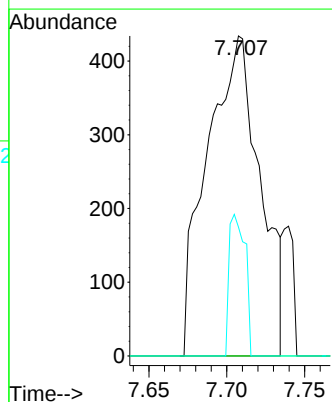
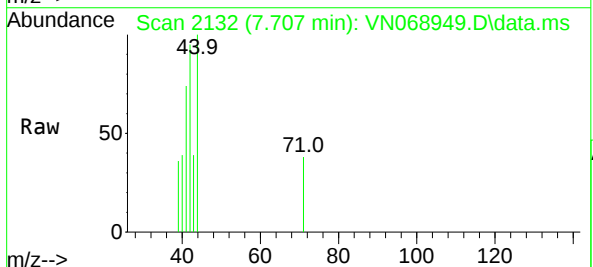
Instrument :
MSVOA_N
ClientSampled :

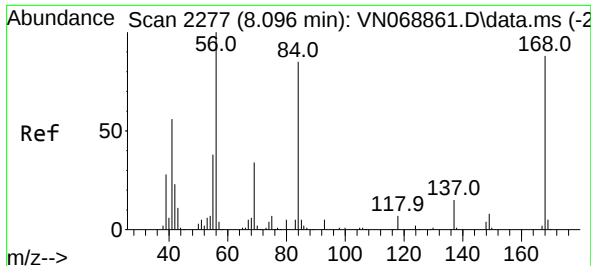
Tgt Ion: 43 Resp: 5011
Ion Ratio Lower Upper
43 100
72 24.1 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.643 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.024 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 42 Resp: 1028
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 13.3 33.8 50.6#

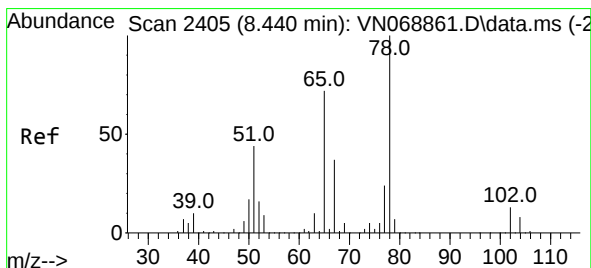
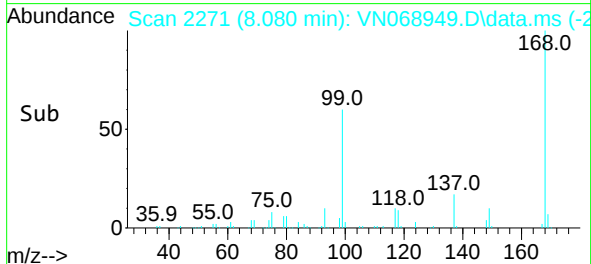
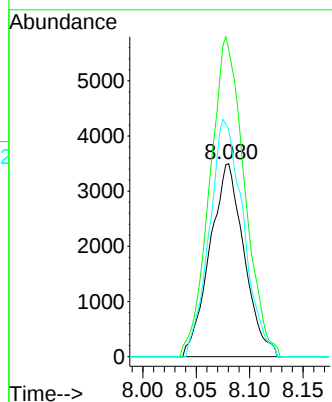
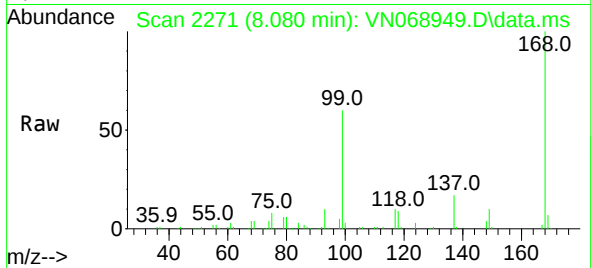




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

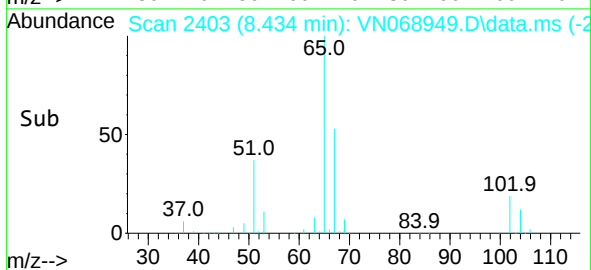
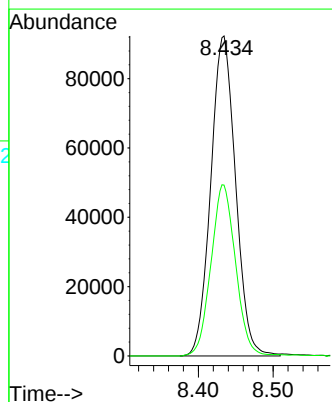
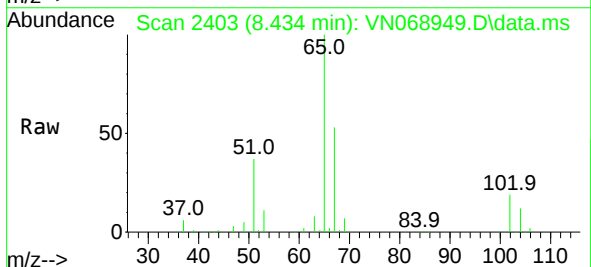
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MSVOA_N
ClientSampled :

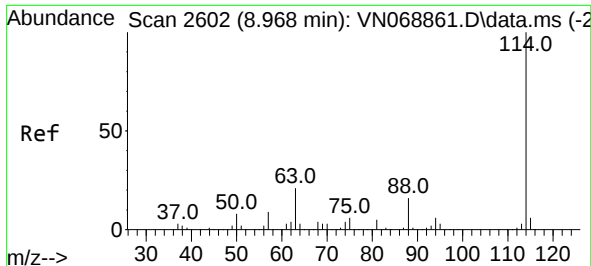
Tgt Ion: 56 Resp: 7783
Ion Ratio Lower Upper
56 100
69 159.4 26.9 40.3#
84 117.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.683 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.005 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 65 Resp: 212714
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.8

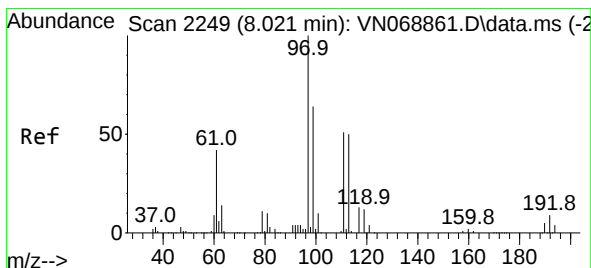
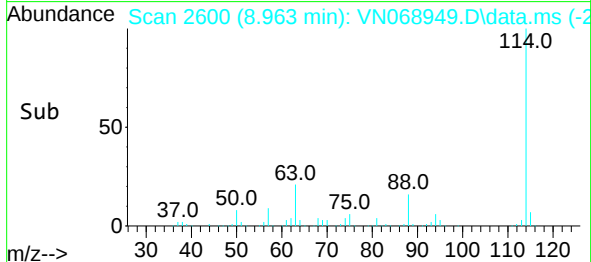
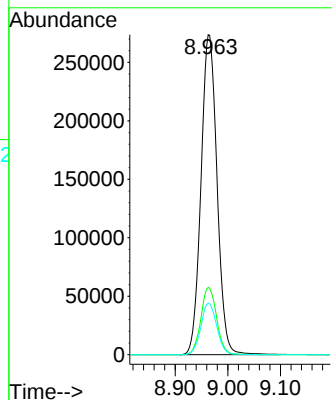
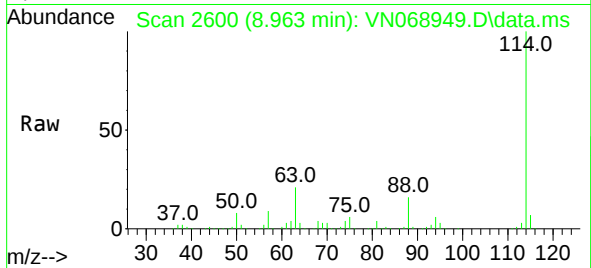




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 2600
Delta R.T. -0.005 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

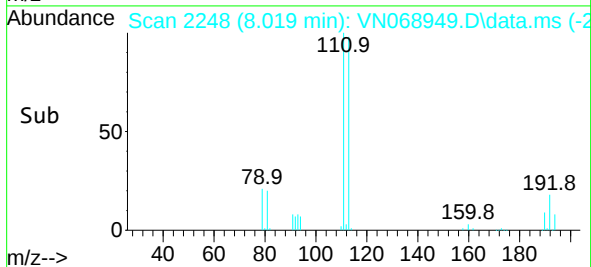
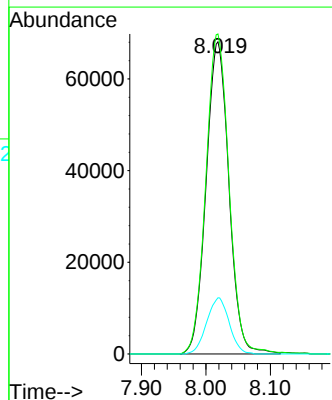
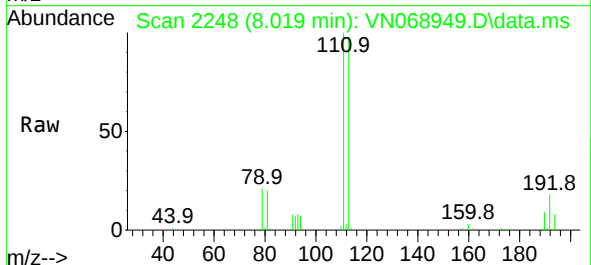
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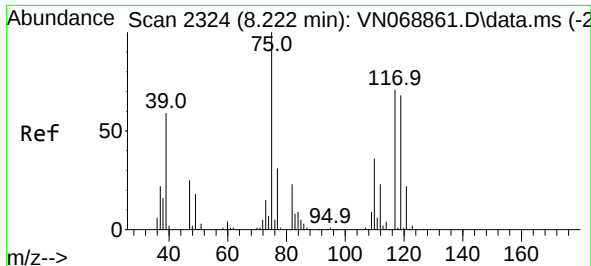
Tgt Ion:114 Resp: 579616
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.671 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

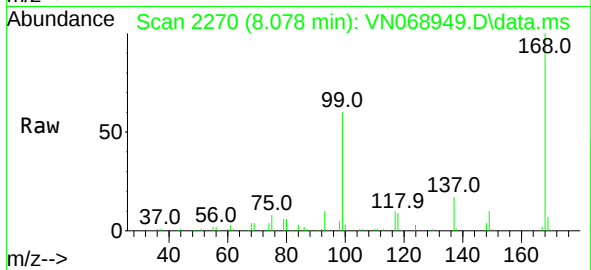
Tgt Ion:113 Resp: 167503
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.7 15.0 22.4



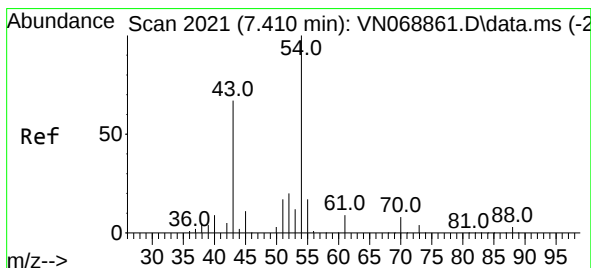
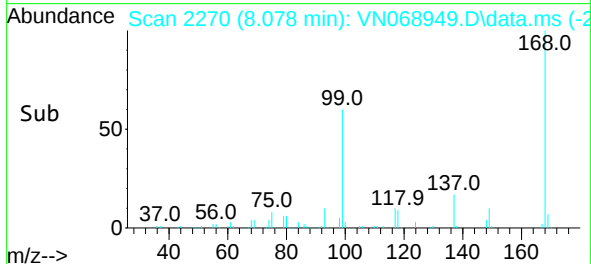
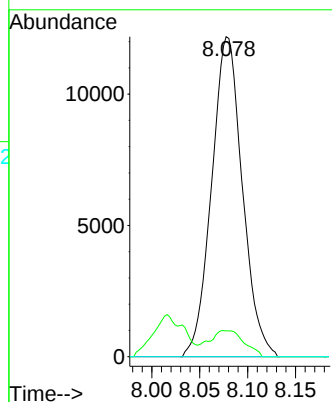


#36
1,1-Dichloropropene
Concen: 5.480 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.145 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Instrument :
MSVOA_N
ClientSampled :

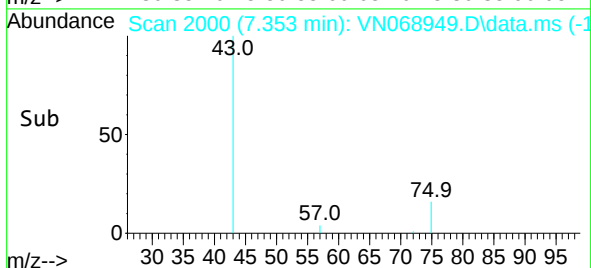
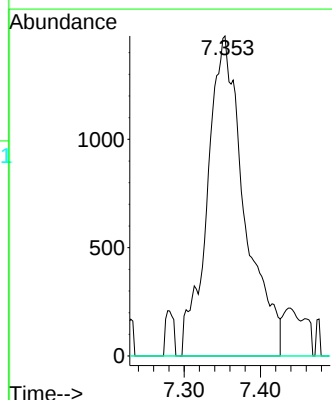
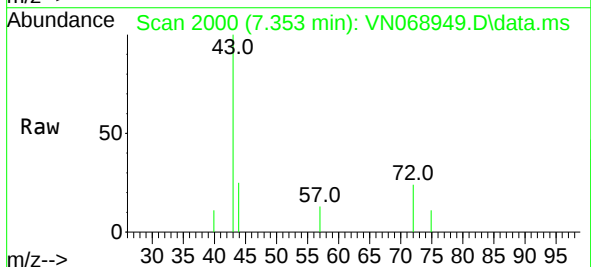


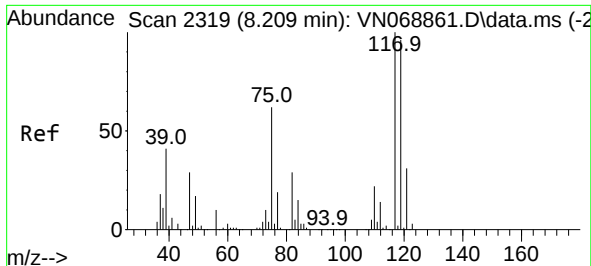
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Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.980 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.056 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

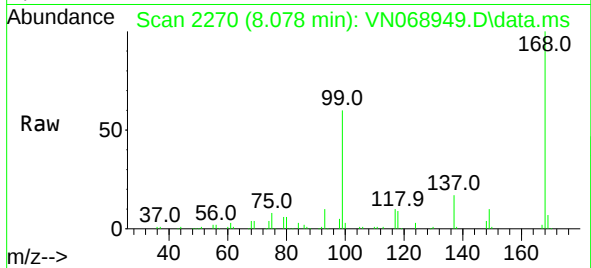
Tgt Ion: 43 Resp: 5011
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



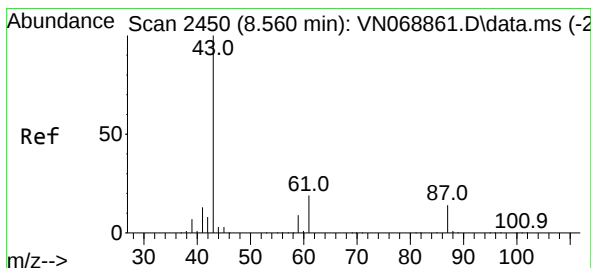
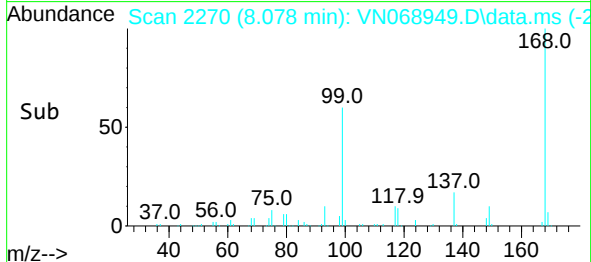
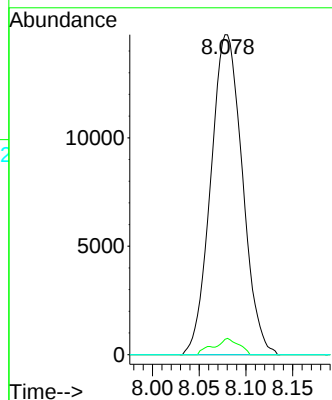


#38
Carbon Tetrachloride
Concen: 6.394 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.131 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Instrument :
MSVOA_N
ClientSampleId :

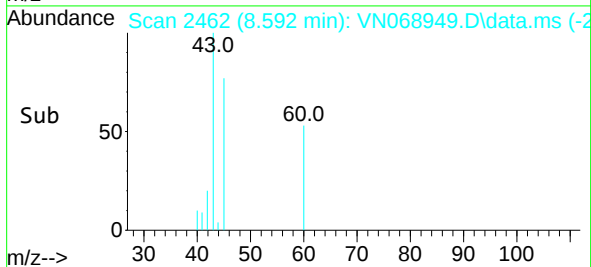
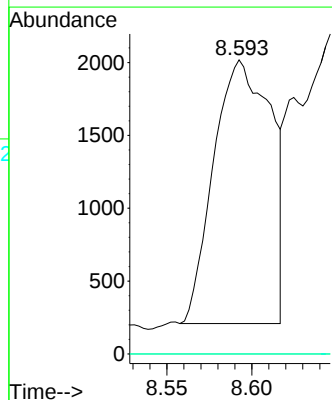
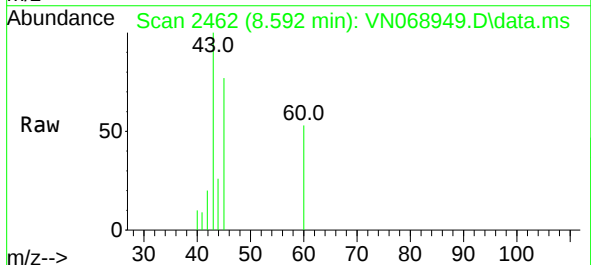


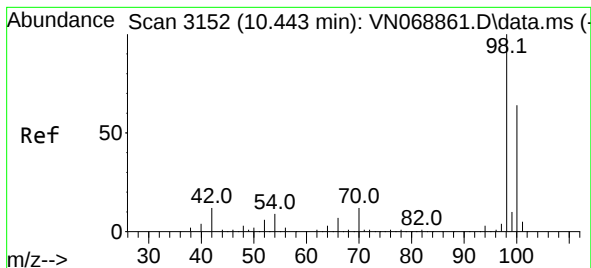
Tgt Ion:117 Resp: 34765
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.473 ug/l
RT: 8.592 min Scan# 2462
Delta R.T. 0.032 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

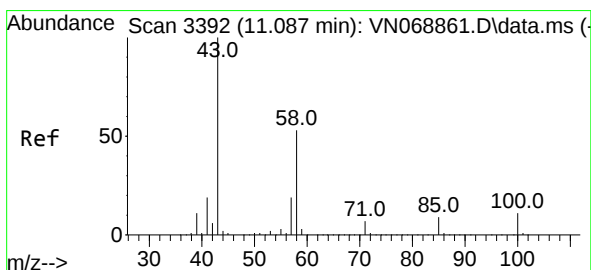
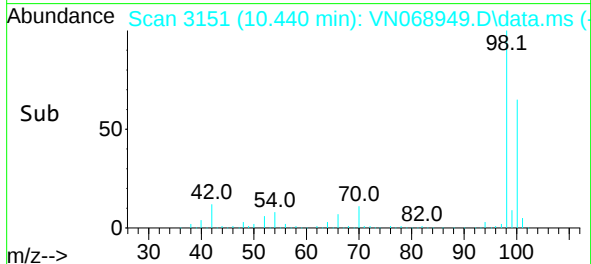
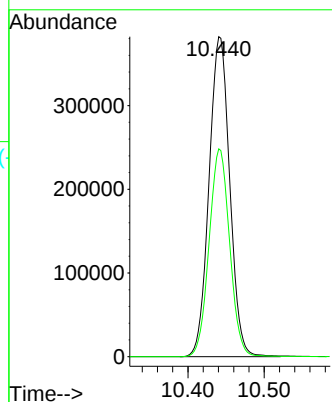
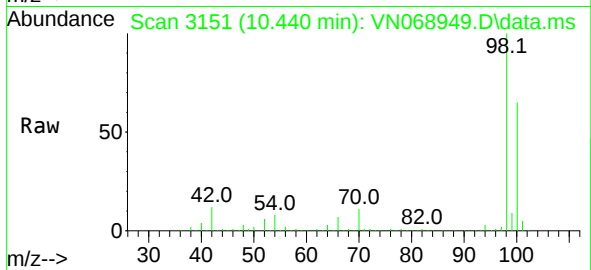




#50
Toluene-d8
Concen: 53.353 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

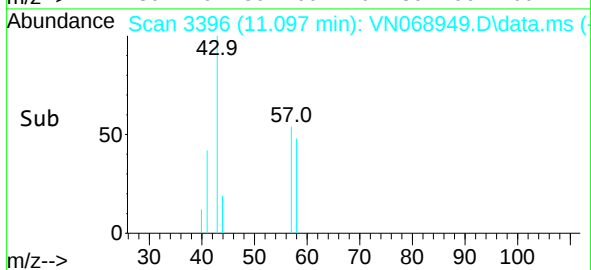
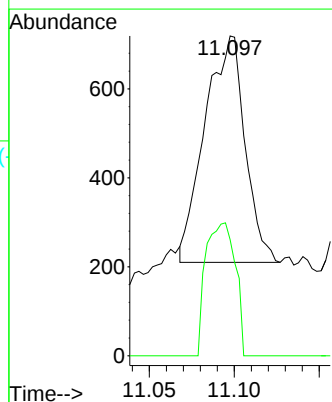
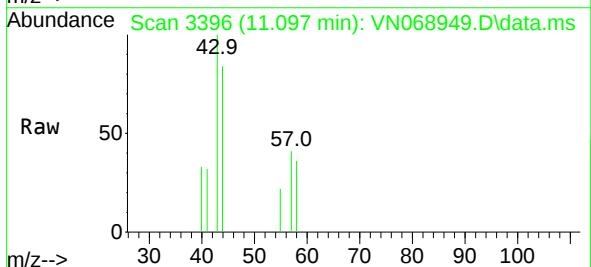
Instrument :
MSVOA_N
ClientSampleId :

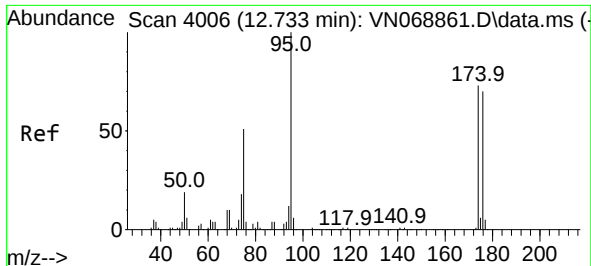
Tgt Ion: 98 Resp: 719887
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#59
2-Hexanone
Concen: 0.223 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 43 Resp: 836
Ion Ratio Lower Upper
43 100
58 42.9 26.9 80.7

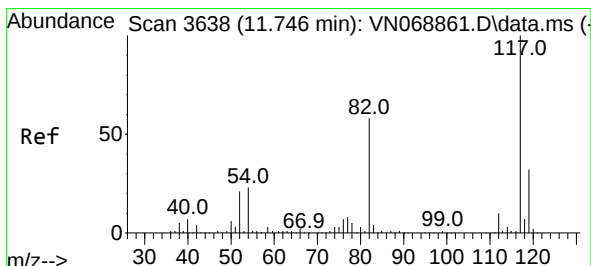
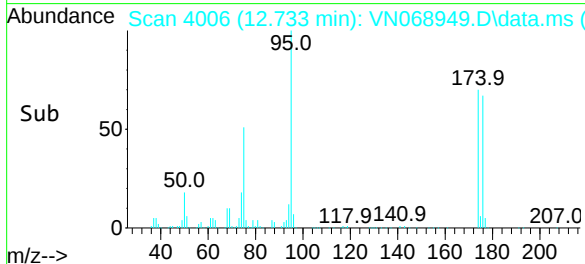
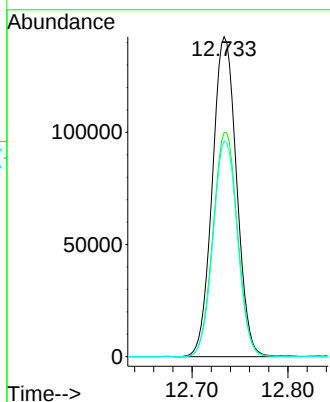
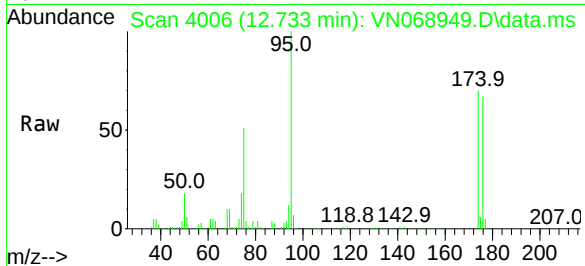




#62
4-Bromofluorobenzene
Concen: 49.110 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

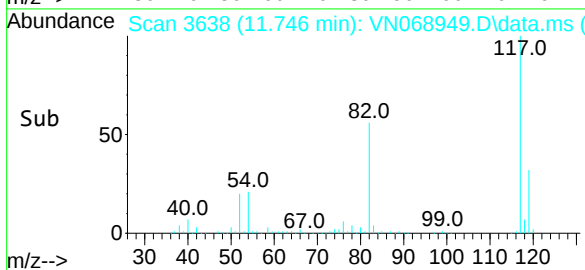
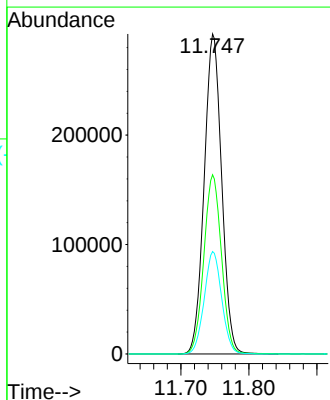
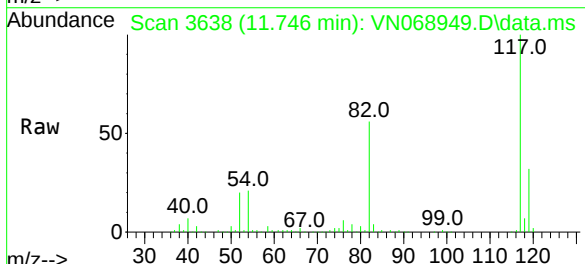
Instrument :
MSVOA_N
ClientSampled :

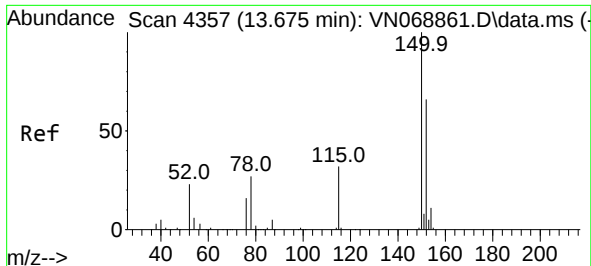
Tgt Ion: 95 Resp: 250004
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.8
176 67.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 117 Resp: 522126
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.0 26.0 39.0

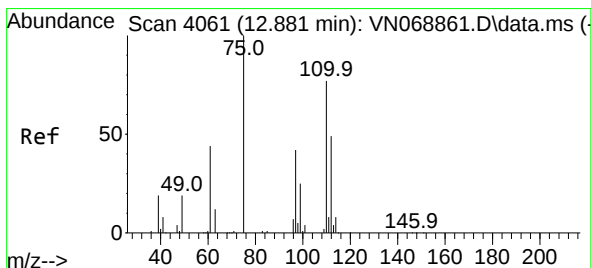
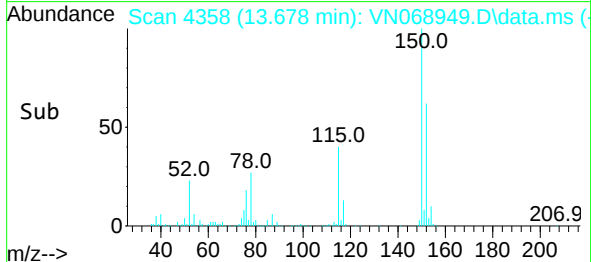
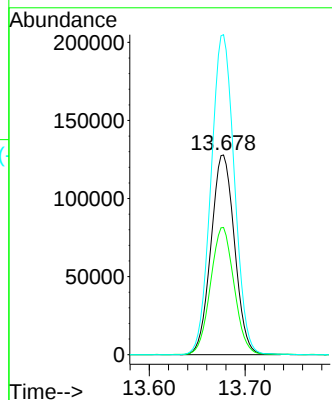
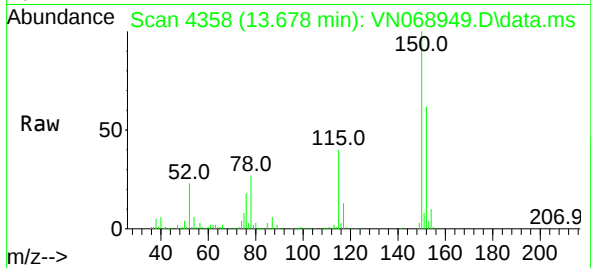




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068949.D
 Acq: 15 Oct 2021 15:05

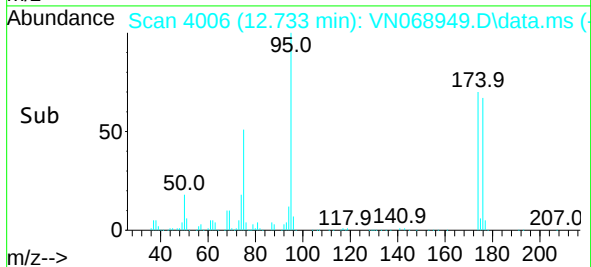
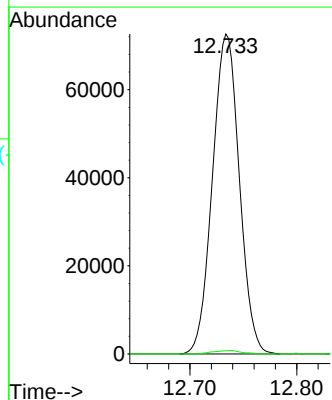
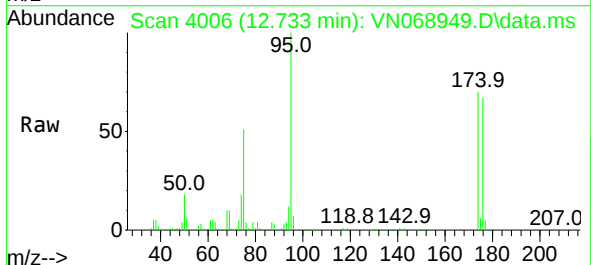
Instrument :
 MSVOA_N
 ClientSampleId :

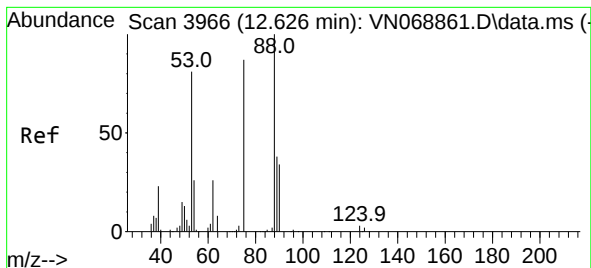
Tgt Ion:152 Resp: 218478
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.4 94.3
 150 159.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.283 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN068949.D
 Acq: 15 Oct 2021 15:05

Tgt Ion: 75 Resp: 126828
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.2 288.4#

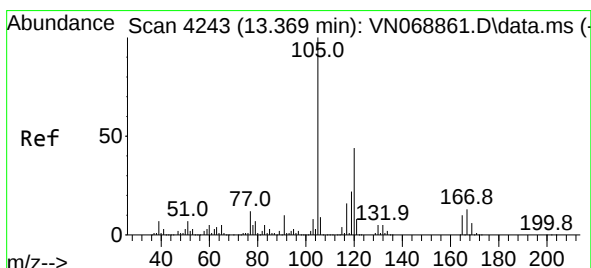
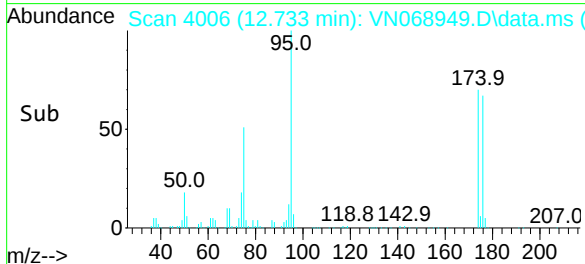
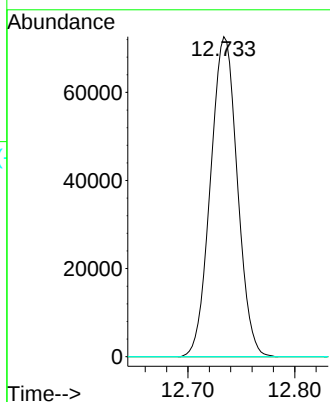
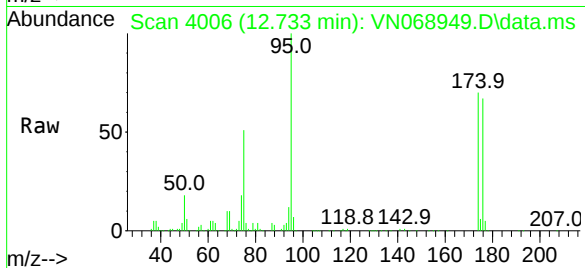




#81
trans-1,4-Dichloro-2-butene
Concen: 65.273 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

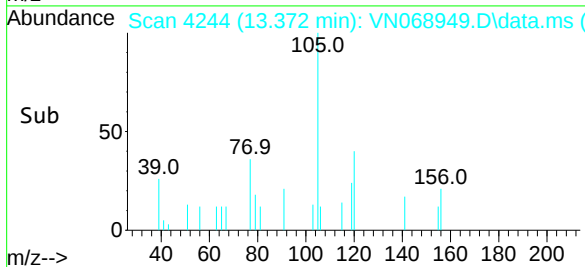
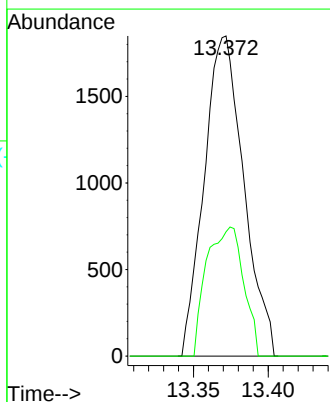
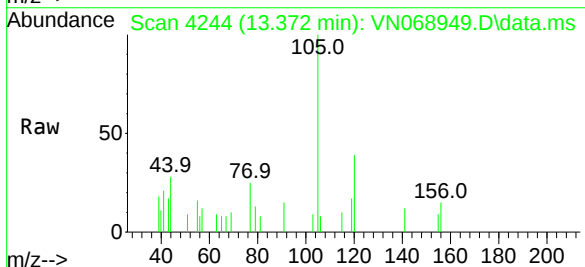
Instrument :
MSVOA_N
ClientSampleId :

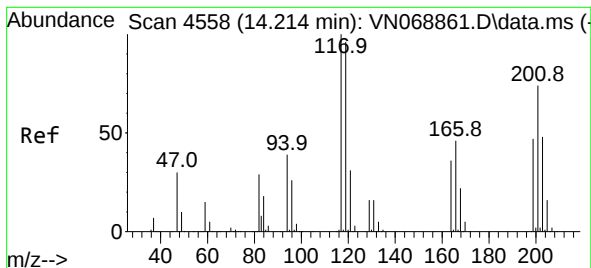
Tgt Ion: 75 Resp: 126828
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.233 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion: 105 Resp: 3400
Ion Ratio Lower Upper
105 100
120 37.6 21.9 65.5

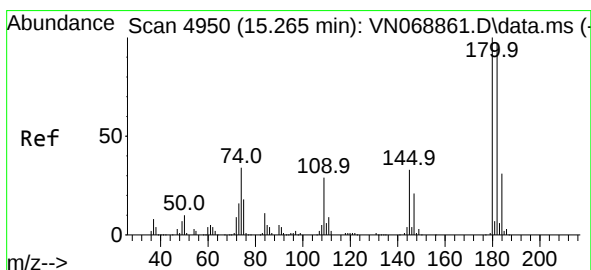
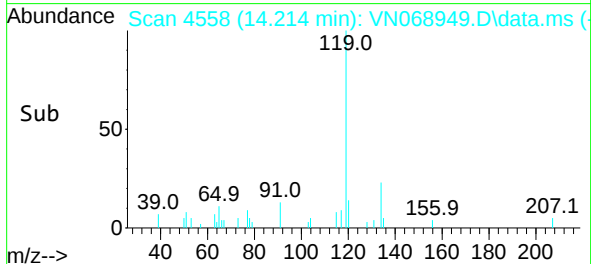
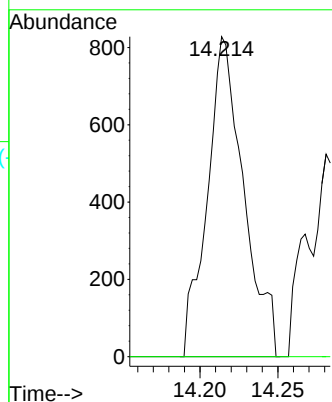
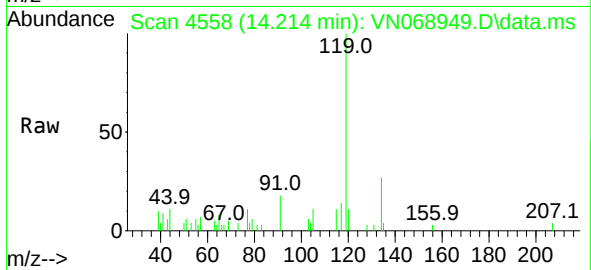




#90
Hexachloroethane
Concen: 0.437 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.000 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

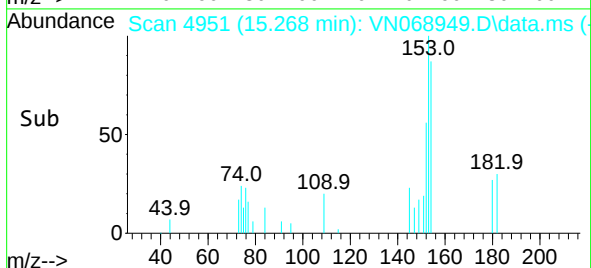
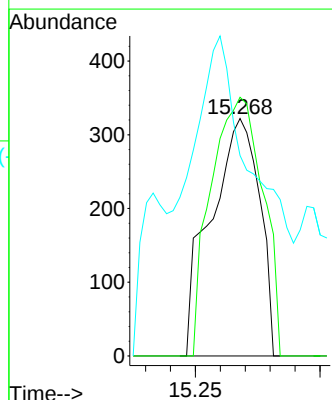
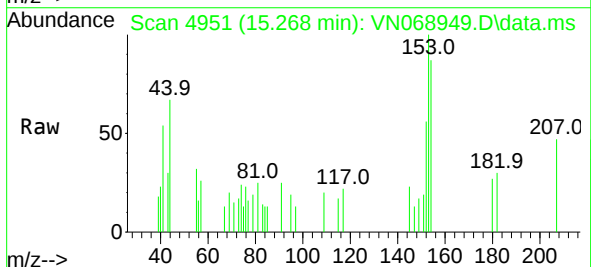
Instrument :
MSVOA_N
ClientSampled :

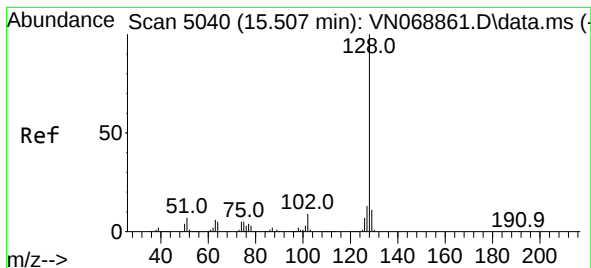
Tgt Ion:117 Resp: 1345
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.715 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion:180 Resp: 439
Ion Ratio Lower Upper
180 100
182 115.3 47.9 143.7
145 117.8 16.4 49.2#

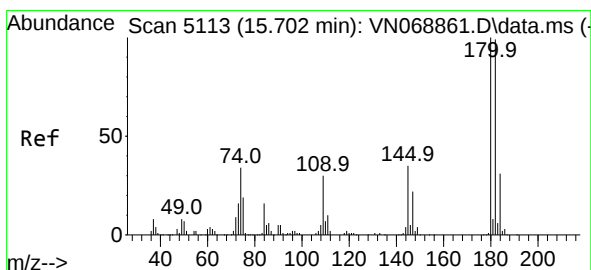
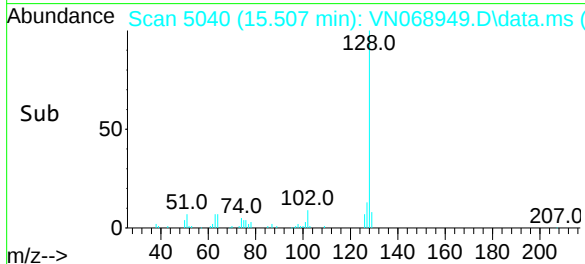
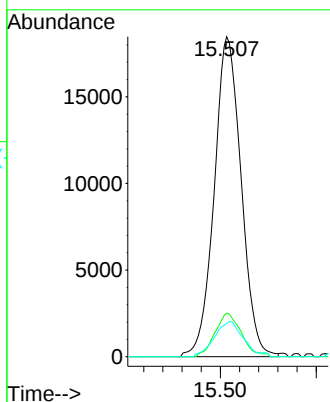
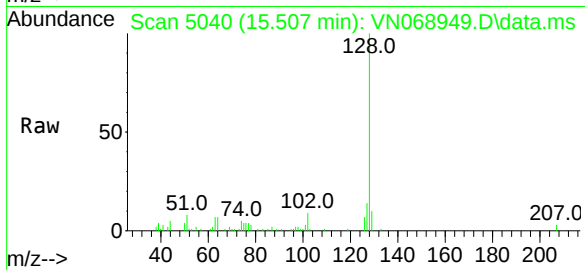




#95
Naphthalene
Concen: 7.090 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 35988
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.668 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068949.D
Acq: 15 Oct 2021 15:05

Tgt Ion:180 Resp: 566
Ion Ratio Lower Upper
180 100
182 165.9 48.1 144.3#
145 45.8 17.4 52.2

