

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
 Data File : VN068950.D
 Acq On : 15 Oct 2021 15:31
 Operator : JC/MD
 Sample : M4192-21
 Misc : 4.68g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:15:48 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	342361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	588977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	510760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	218671	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	219441	48.614	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.220%
35) Dibromofluoromethane	8.018	113	173564	50.650	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.300%
50) Toluene-d8	10.443	98	723520	52.770	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.540%
62) 4-Bromofluorobenzene	12.733	95	245736	47.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.000%

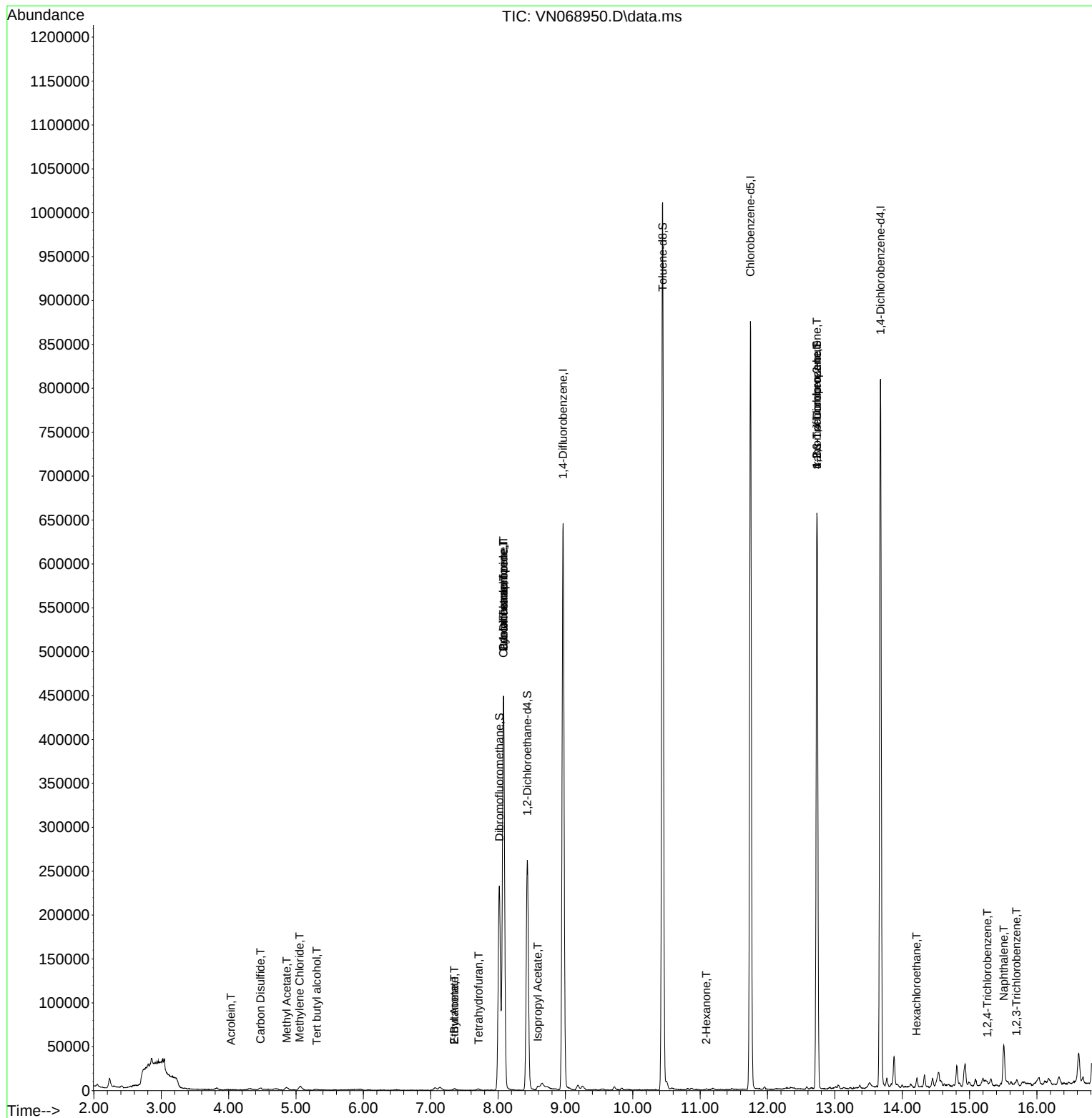
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.307	59	577	0.700	ug/l #	72
13) Acrolein	4.033	56	209	0.573	ug/l #	46
17) Carbon Disulfide	4.473	76	4612	0.514	ug/l	96
18) Methyl Acetate	4.864	43	6526	1.021	ug/l #	81
20) Methylene Chloride	5.055	84	1627	0.420	ug/l #	84
25) 2-Butanone	7.351	43	1843	0.724	ug/l	91
29) Tetrahydrofuran	7.710	42	858	0.519	ug/l #	65
31) Cyclohexane	8.080	56	8178	1.165	ug/l #	2
36) 1,1-Dichloropropene	8.080	75	28509	5.667	ug/l #	49
37) Ethyl Acetate	7.351	43	1843	0.355	ug/l #	68
38) Carbon Tetrachloride	8.077	117	36005	6.517	ug/l #	16
43) Isopropyl Acetate	8.587	43	2210	0.241	ug/l #	55
59) 2-Hexanone	11.092	43	1132	0.297	ug/l #	44
76) 1,2,3-Trichloropropane	12.733	75	125456	26.964	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	125456	64.510	ug/l #	12
90) Hexachloroethane	14.211	117	784	0.255	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	389	2.702	ug/l #	17
95) Naphthalene	15.507	128	43762	7.795	ug/l	98
96) 1,2,3-Trichlorobenzene	15.694	180	210	2.571	ug/l	90

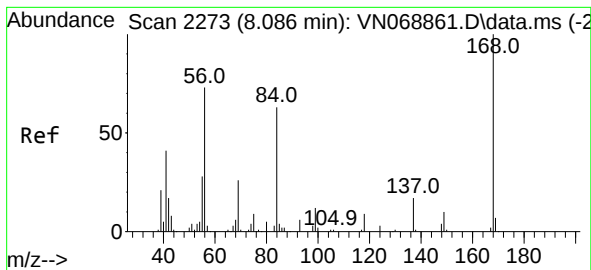
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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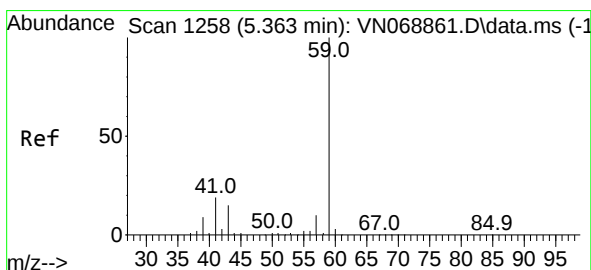
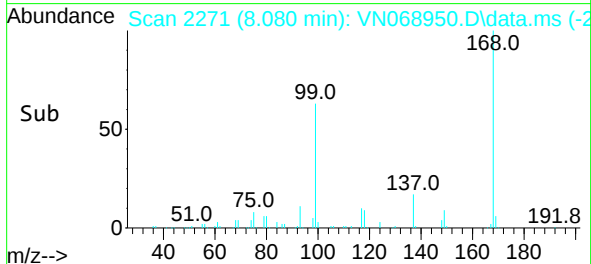
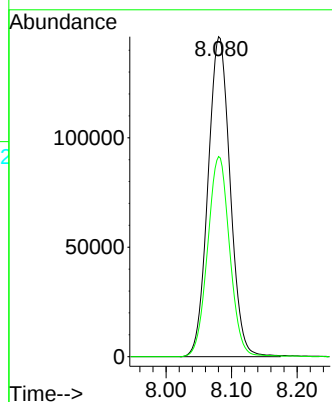
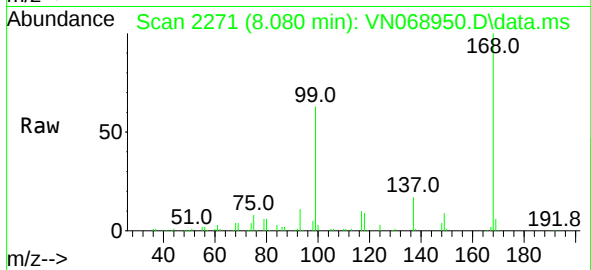




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

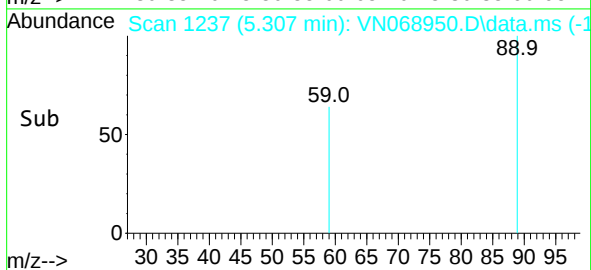
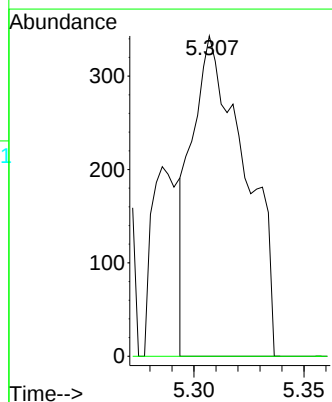
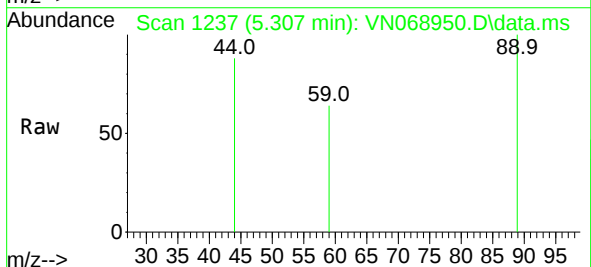
Instrument :
MSVOA_N
ClientSampled :

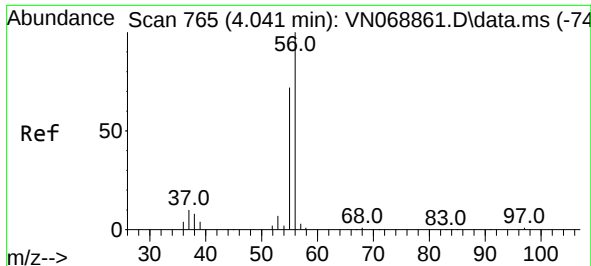
Tgt Ion:168 Resp: 342361
Ion Ratio Lower Upper
168 100
99 62.5 48.9 73.3



#11
Tert butyl alcohol
Concen: 0.700 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.056 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 59 Resp: 577
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

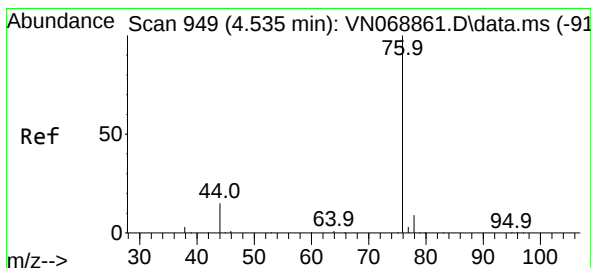
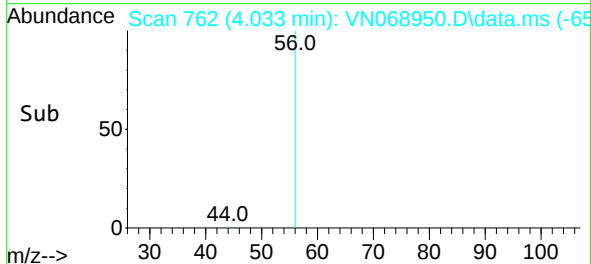
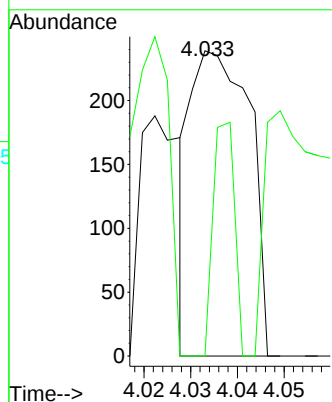
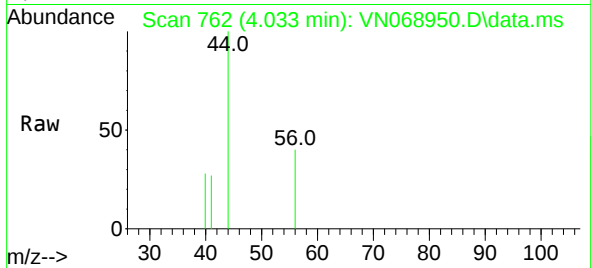




#13
Acrolein
Concen: 0.573 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

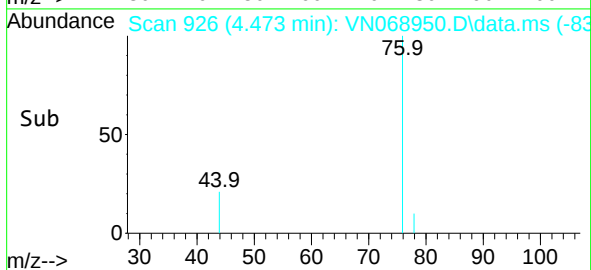
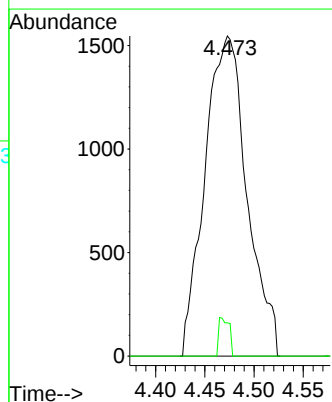
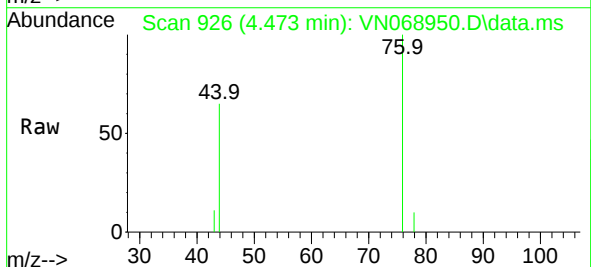
Instrument :
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ClientSampled :

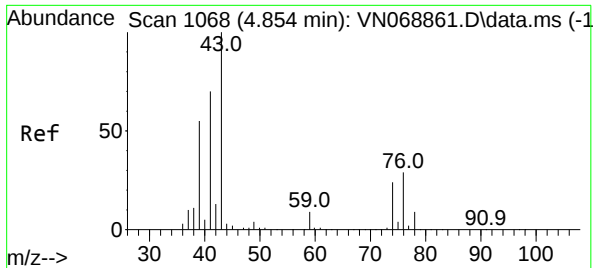
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 27.8 58.1 87.1#



#17
Carbon Disulfide
Concen: 0.514 ug/l
RT: 4.473 min Scan# 926
Delta R.T. -0.062 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 76 Resp: 4612
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8

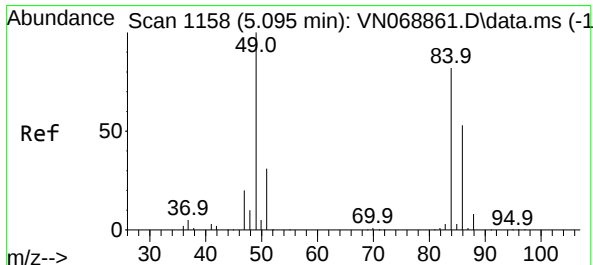
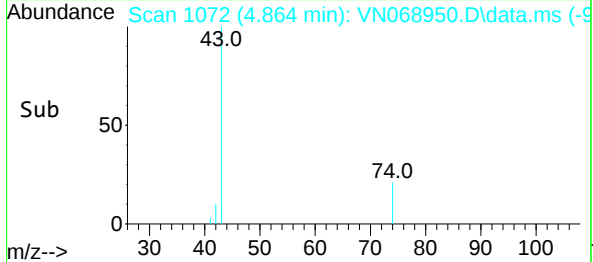
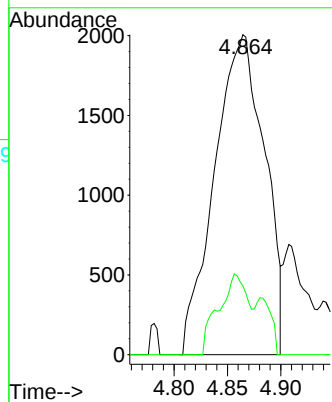
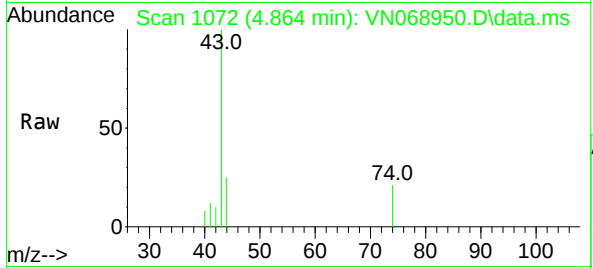




#18
Methyl Acetate
Concen: 1.021 ug/l
RT: 4.864 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

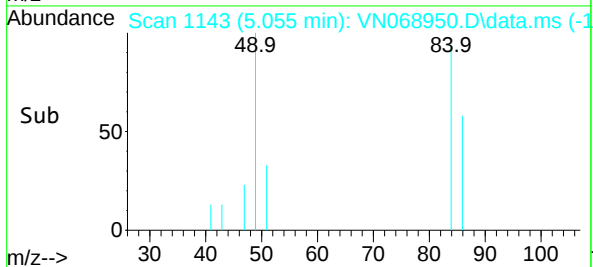
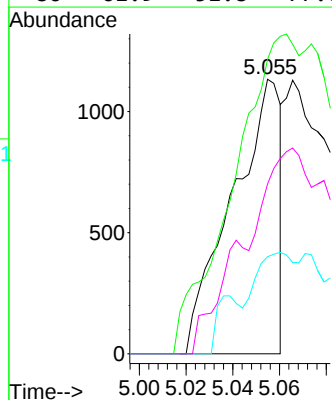
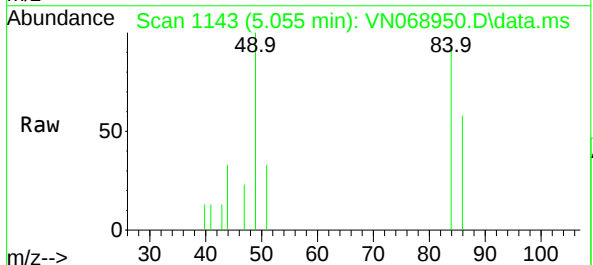
Instrument :
MSVOA_N
ClientSampled :

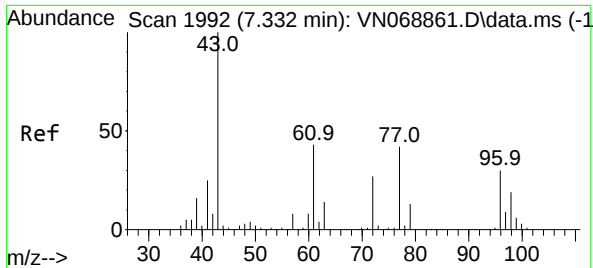
Tgt Ion: 43 Resp: 6526
Ion Ratio Lower Upper
43 100
74 14.5 18.9 28.3#



#20
Methylene Chloride
Concen: 0.420 ug/l
RT: 5.055 min Scan# 1143
Delta R.T. -0.040 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 84 Resp: 1627
Ion Ratio Lower Upper
84 100
49 92.0 97.6 146.4#
51 35.4 30.3 45.5
86 61.9 51.8 77.6

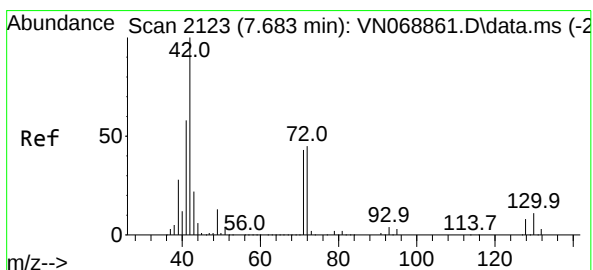
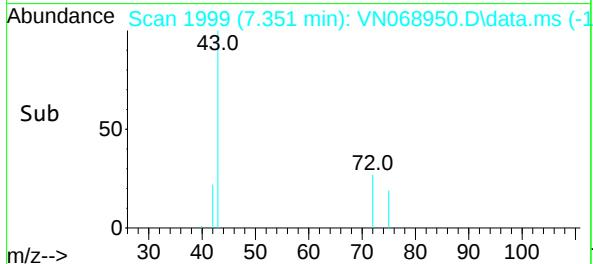
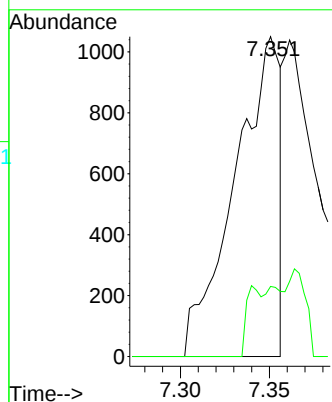
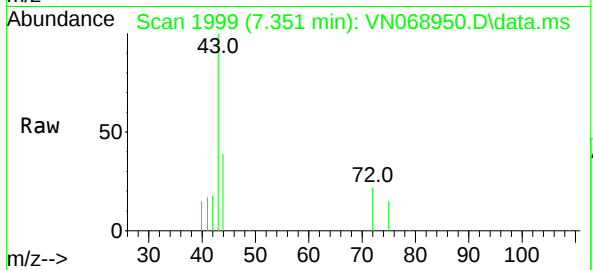




#25
2-Butanone
Concen: 0.724 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

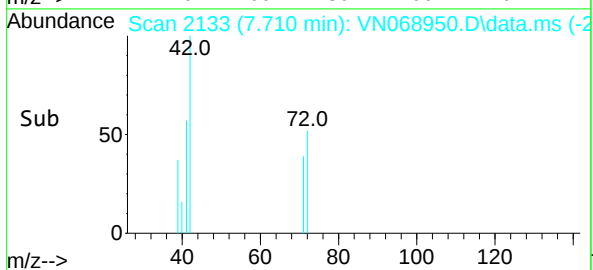
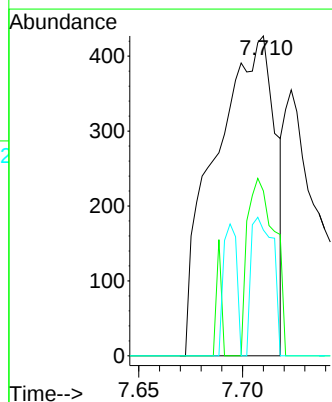
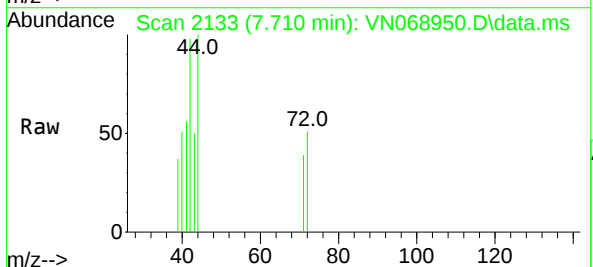
Instrument :
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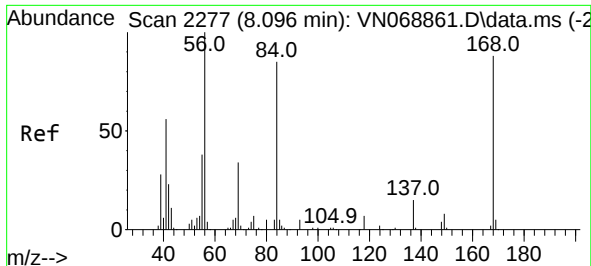
Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
72 21.9 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.519 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.027 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 25.4 35.4 53.2#
71 15.9 33.8 50.6#

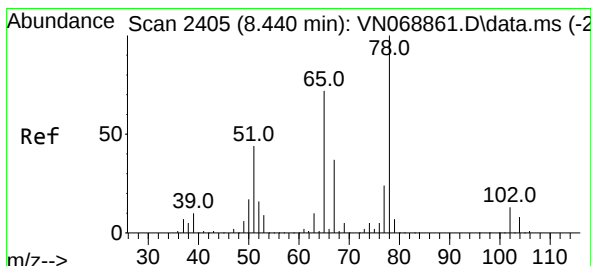
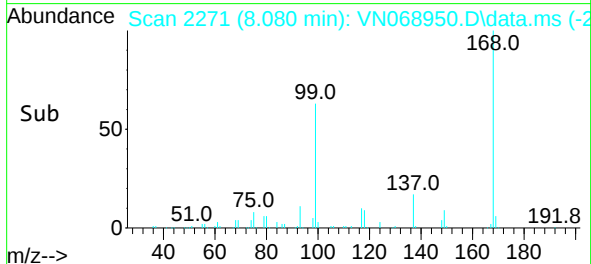
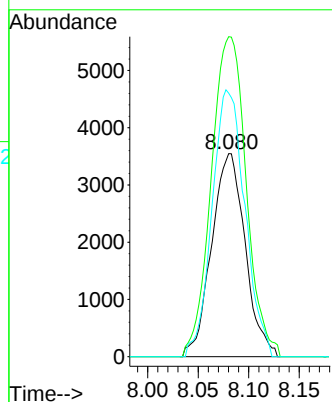
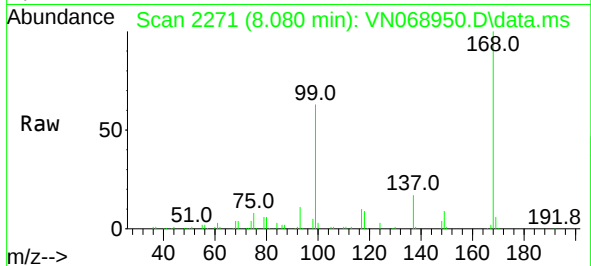




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

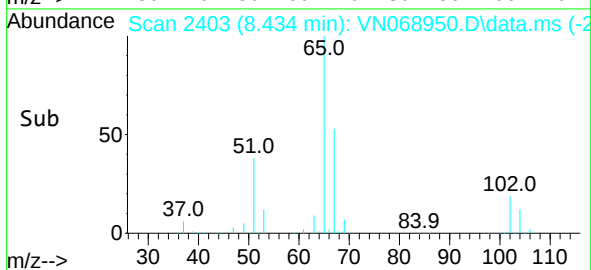
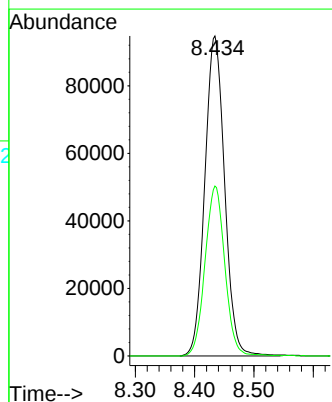
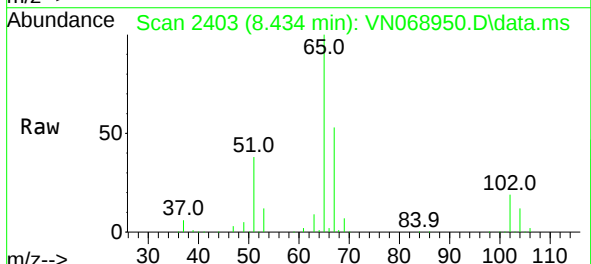
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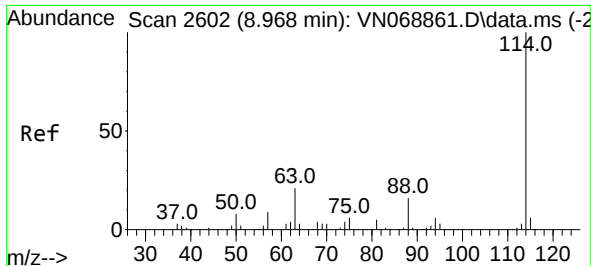
Tgt Ion: 56 Resp: 8178
Ion Ratio Lower Upper
56 100
69 157.6 26.9 40.3#
84 129.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.614 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.005 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 65 Resp: 219441
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.8

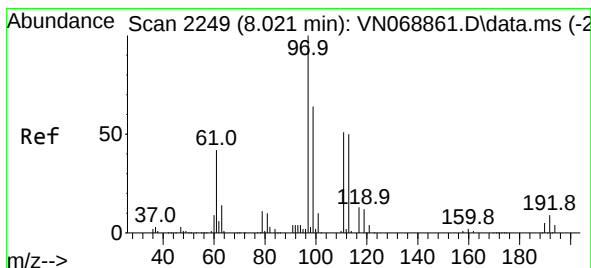
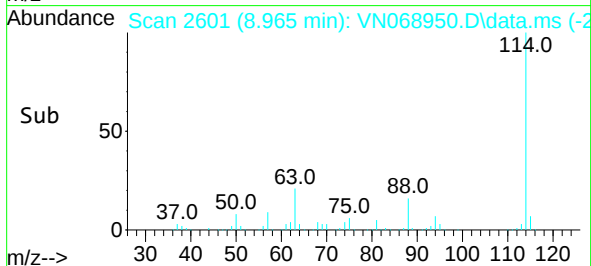
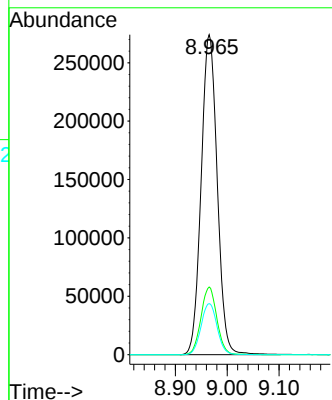
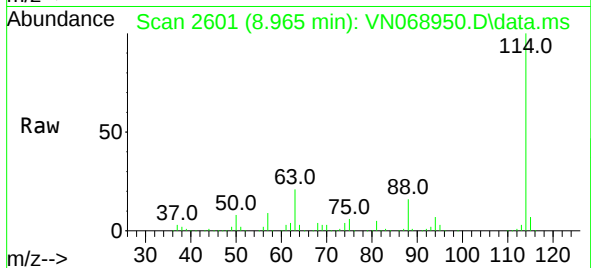




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

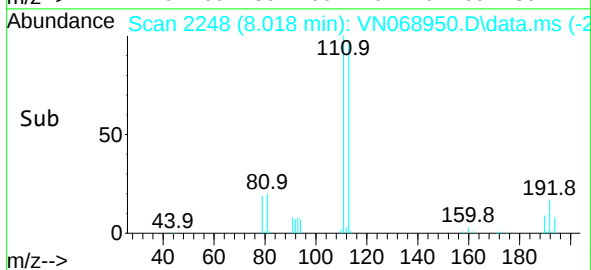
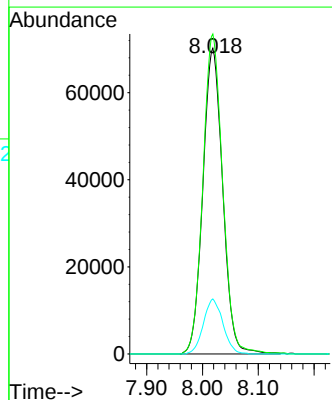
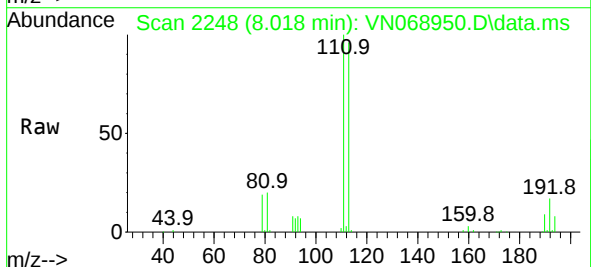
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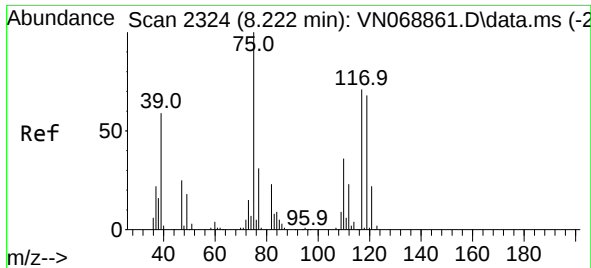
Tgt Ion:114 Resp: 588977
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.650 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

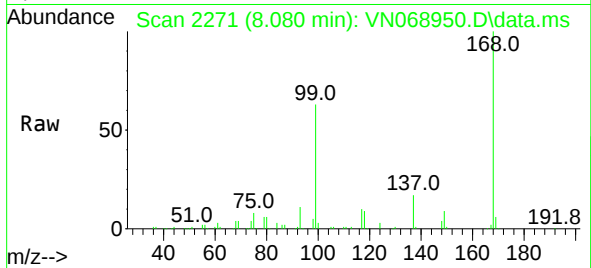
Tgt Ion:113 Resp: 173564
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.7 15.0 22.4



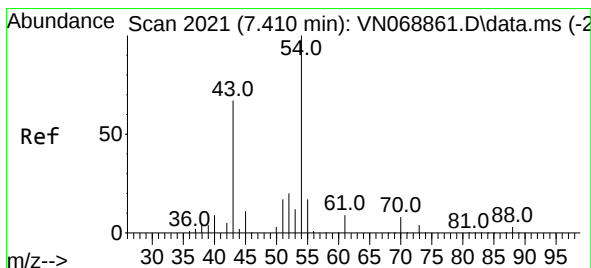
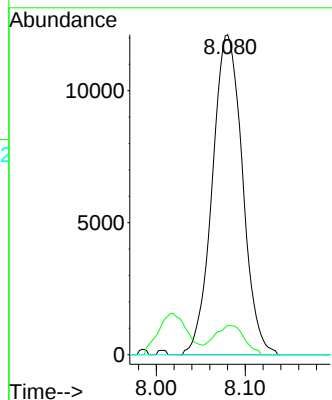
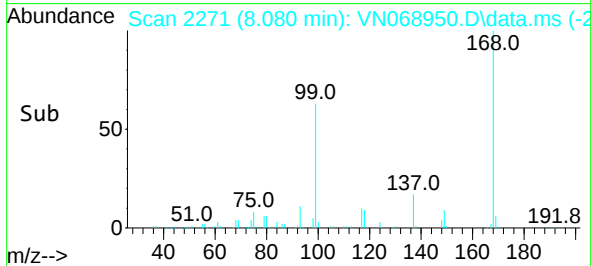


#36
 1,1-Dichloropropene
 Concen: 5.667 ug/l
 RT: 8.080 min Scan# 2271
 Delta R.T. -0.142 min
 Lab File: VN068950.D
 Acq: 15 Oct 2021 15:31

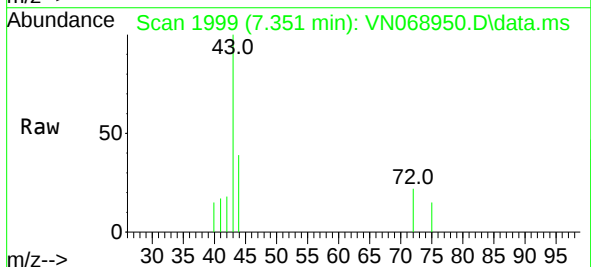
Instrument :
 MSVOA_N
 ClientSampled :



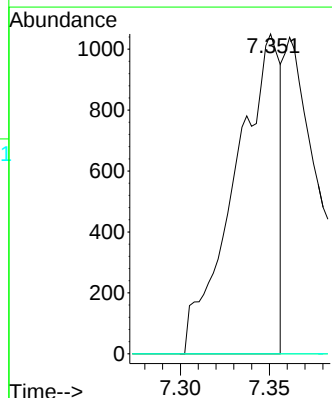
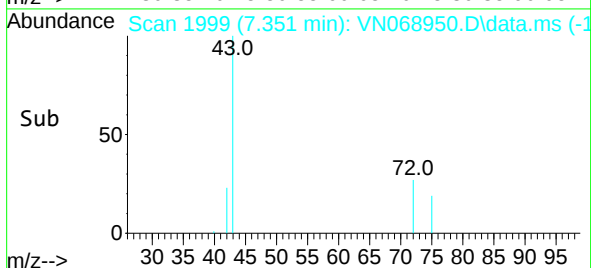
Tgt Ion: 75 Resp: 28509
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.9 53.8#
 77 0.0 24.7 37.1#

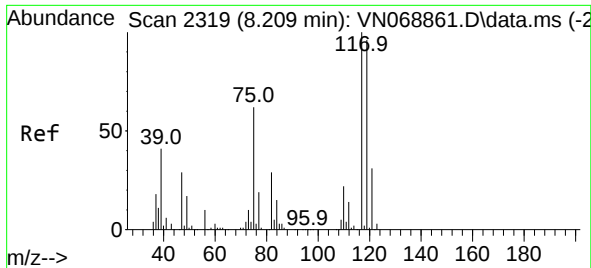


#37
 Ethyl Acetate
 Concen: 0.355 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. -0.059 min
 Lab File: VN068950.D
 Acq: 15 Oct 2021 15:31



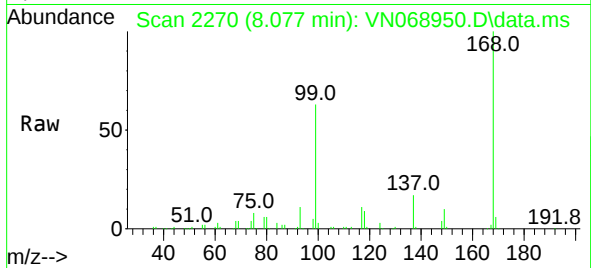
Tgt Ion: 43 Resp: 1843
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 8.4 12.6#



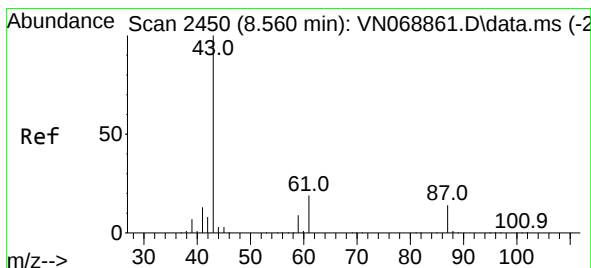
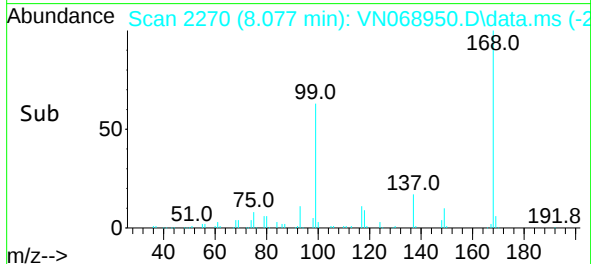
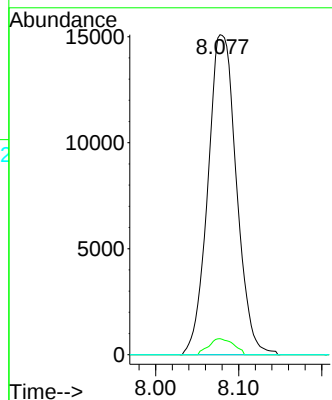


#38
Carbon Tetrachloride
Concen: 6.517 ug/l
RT: 8.077 min Scan# 2270
Delta R.T. -0.132 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampled :

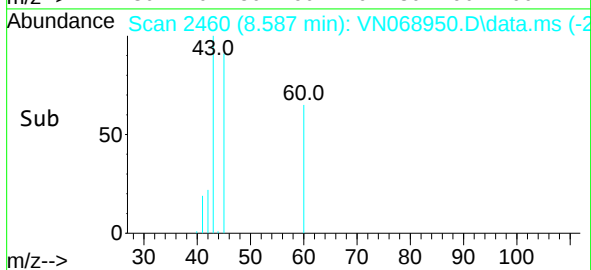
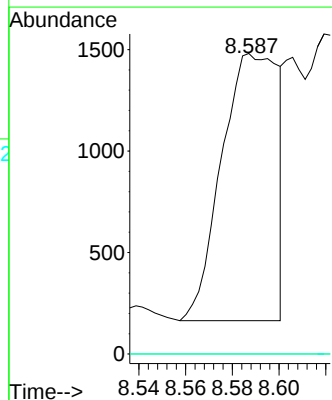
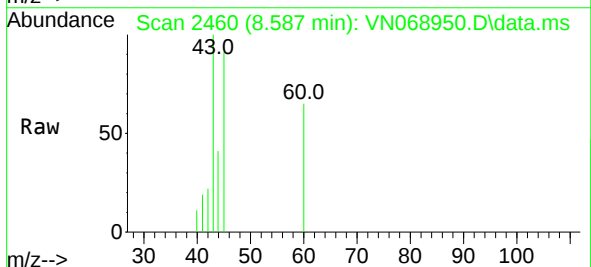


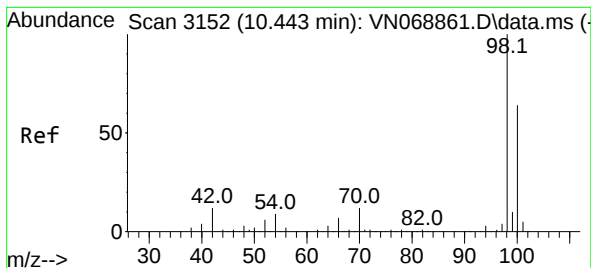
Tgt Ion:117 Resp: 36005
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.241 ug/l
RT: 8.587 min Scan# 2460
Delta R.T. 0.027 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

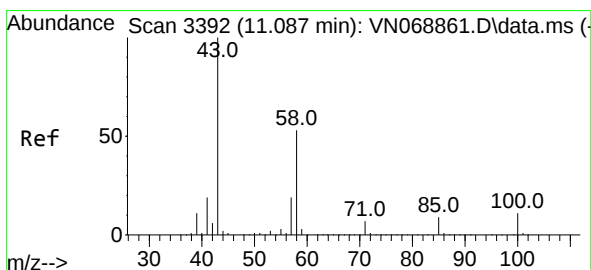
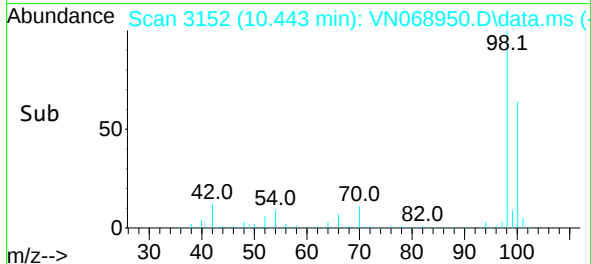
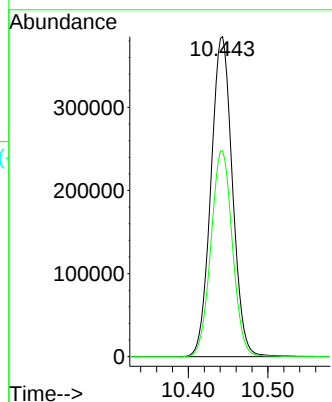
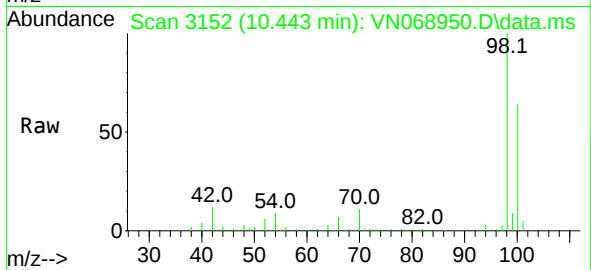




#50
Toluene-d8
Concen: 52.770 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

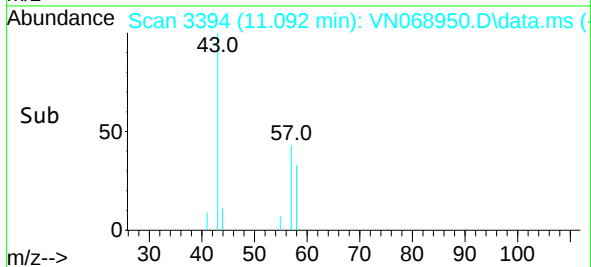
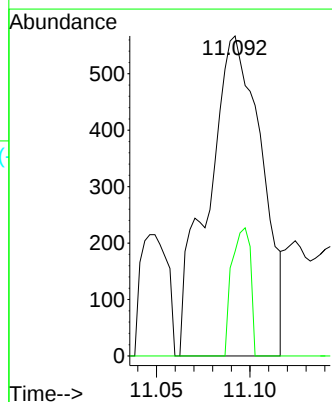
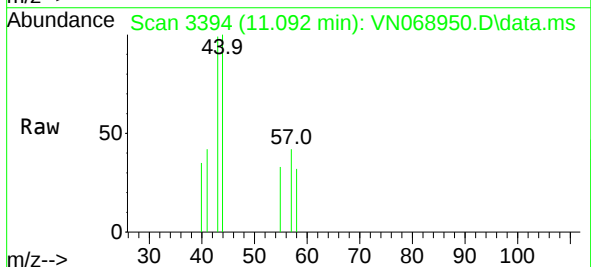
Instrument :
MSVOA_N
ClientSampled :

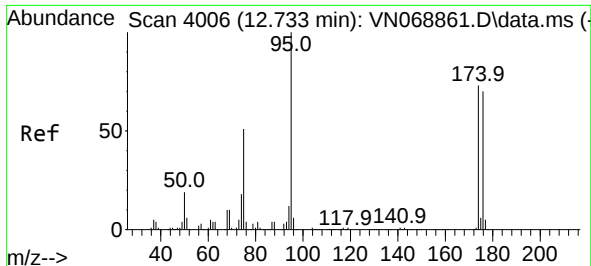
Tgt Ion: 98 Resp: 723520
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#59
2-Hexanone
Concen: 0.297 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
58 14.0 26.9 80.7#

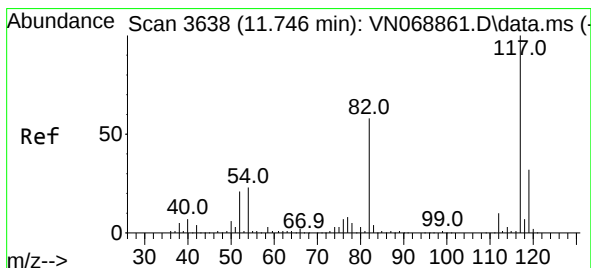
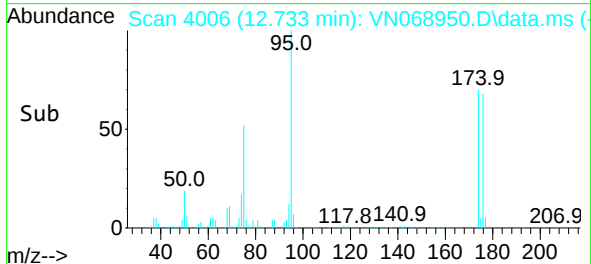
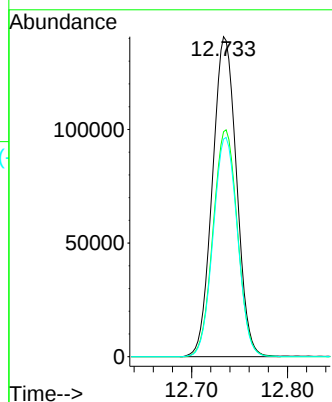
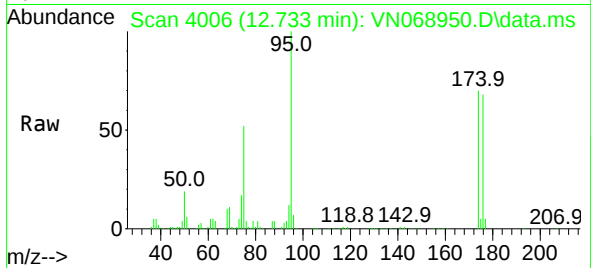




#62
4-Bromofluorobenzene
Concen: 47.504 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

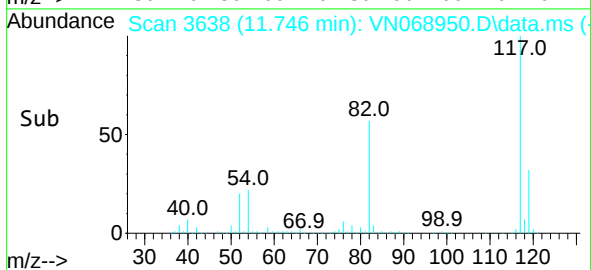
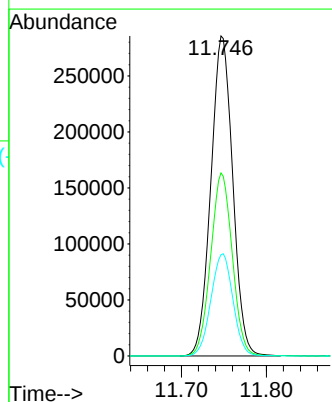
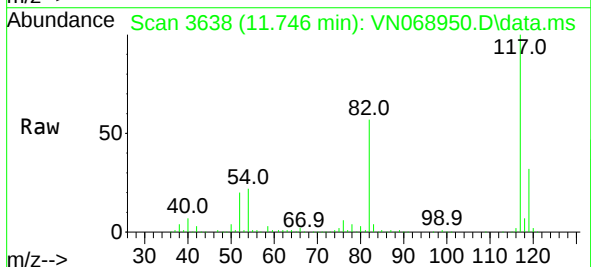
Instrument :
MSVOA_N
ClientSampleId :

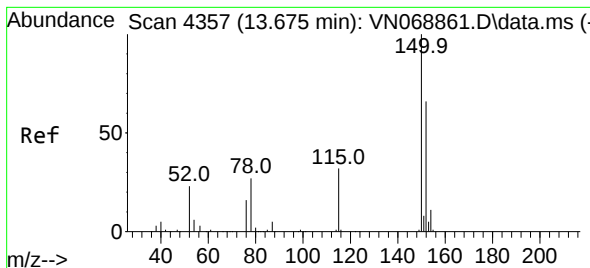
Tgt Ion: 95 Resp: 245736
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.8
176 69.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 117 Resp: 510760
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 31.7 26.0 39.0

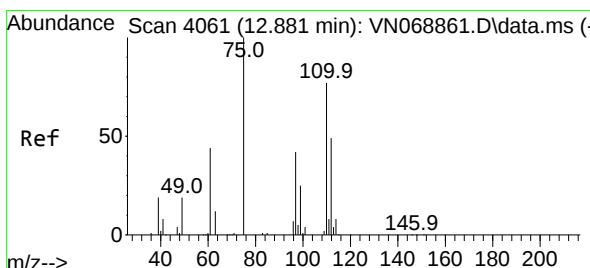
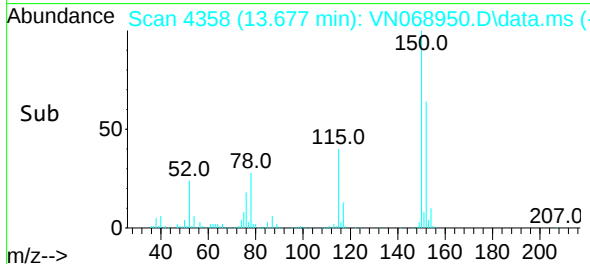
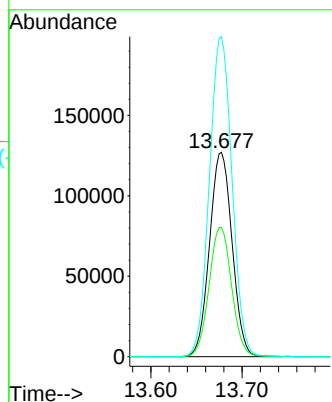
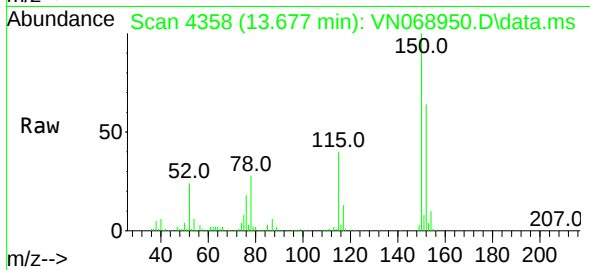




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

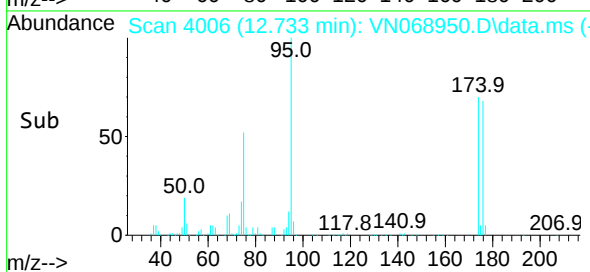
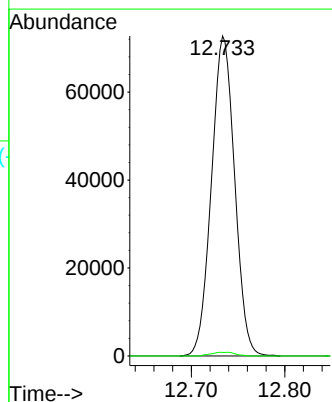
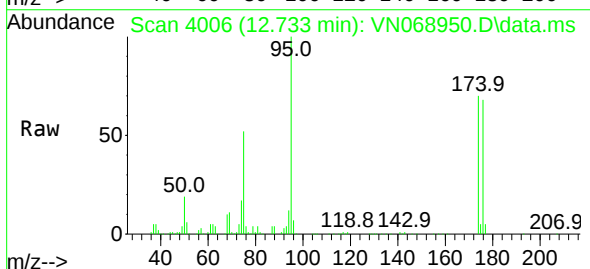
Instrument :
MSVOA_N
ClientSampleId :

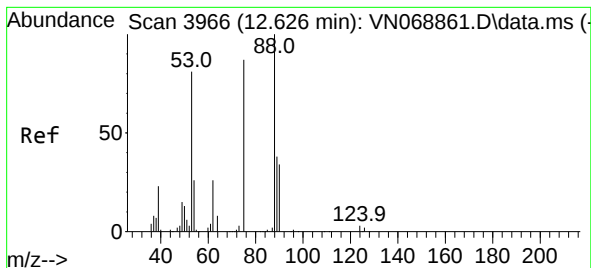
Tgt Ion:152 Resp: 218671
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.3
150 156.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 26.964 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 75 Resp: 125456
Ion Ratio Lower Upper
75 100
77 1.2 96.2 288.4#

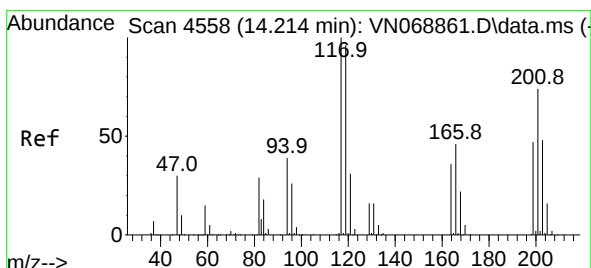
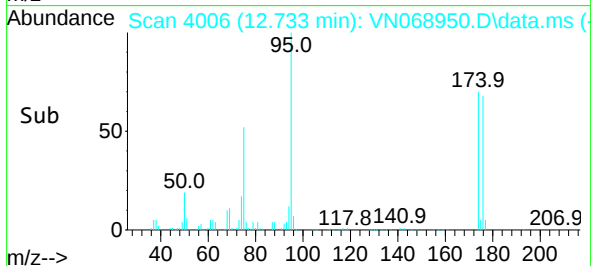
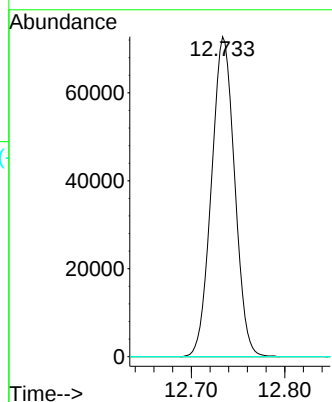
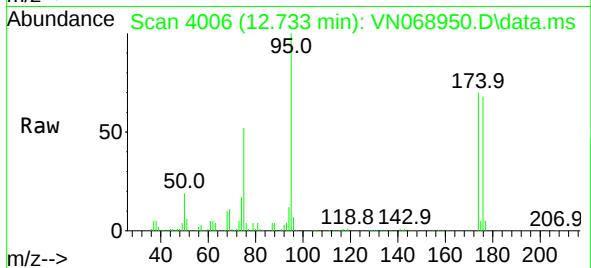




#81
trans-1,4-Dichloro-2-butene
Concen: 64.510 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

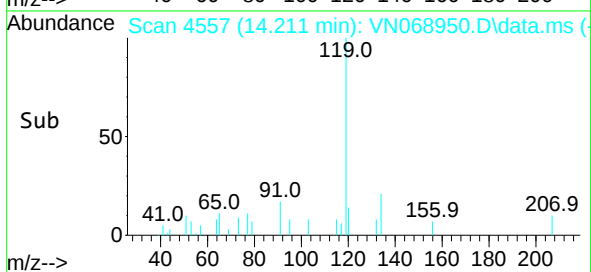
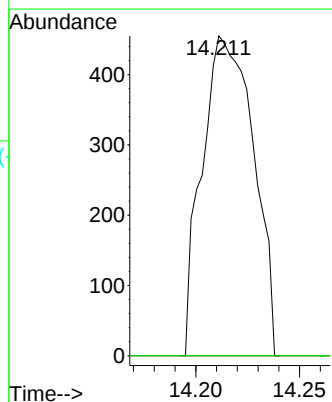
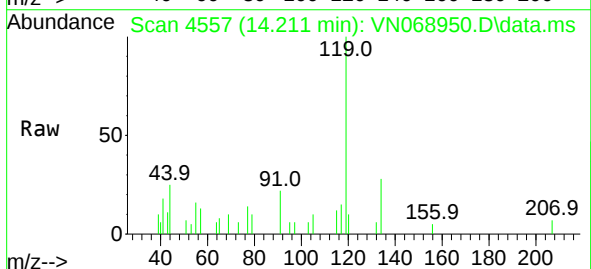
Instrument :
MSVOA_N
ClientSampled :

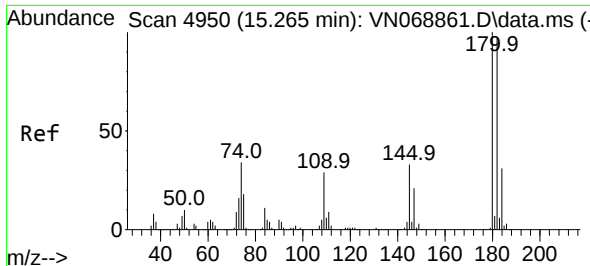
Tgt Ion: 75 Resp: 125456
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.255 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. -0.003 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

Tgt Ion: 117 Resp: 784
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#

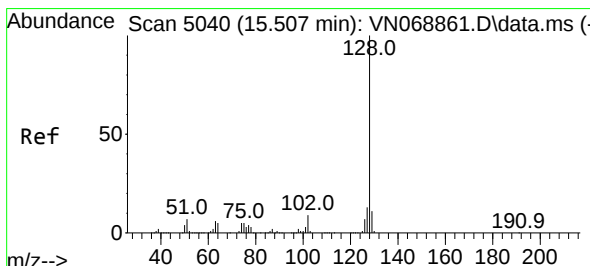
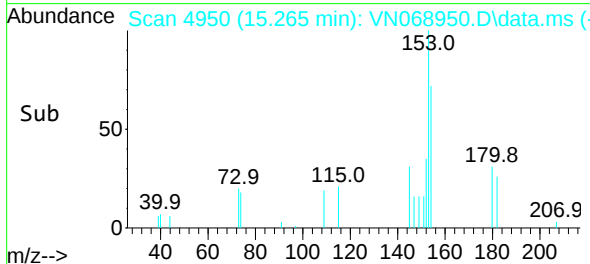
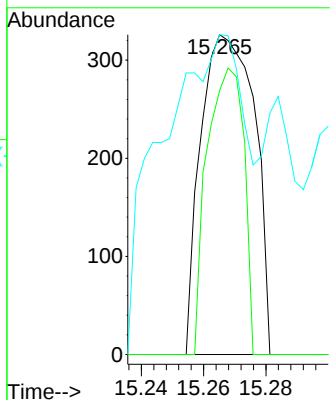
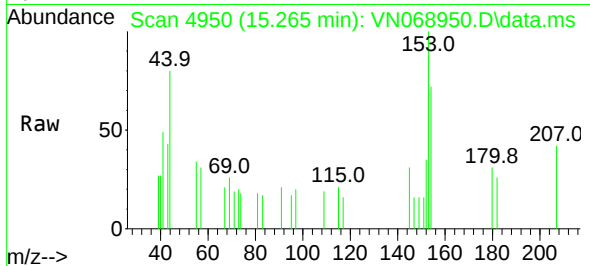




#93
1,2,4-Trichlorobenzene
Concen: 2.702 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

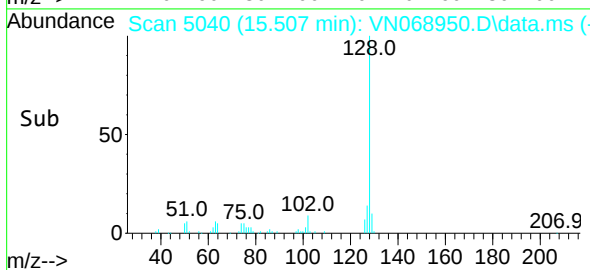
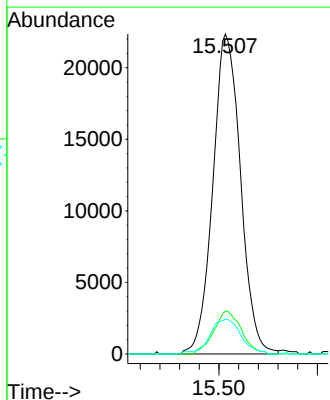
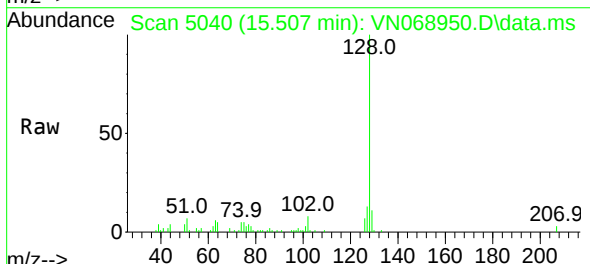
Instrument :
MSVOA_N
ClientSampled :

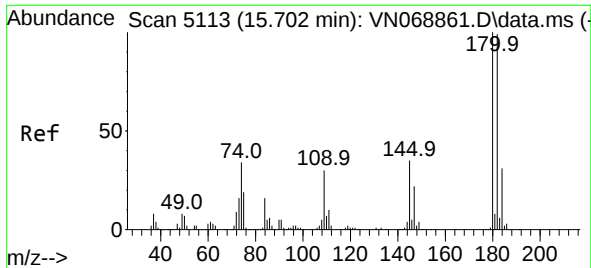
Tgt Ion:180 Resp: 389
Ion Ratio Lower Upper
180 100
182 61.2 47.9 143.7
145 157.1 16.4 49.2#



#95
Naphthalene
Concen: 7.795 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068950.D
Acq: 15 Oct 2021 15:31

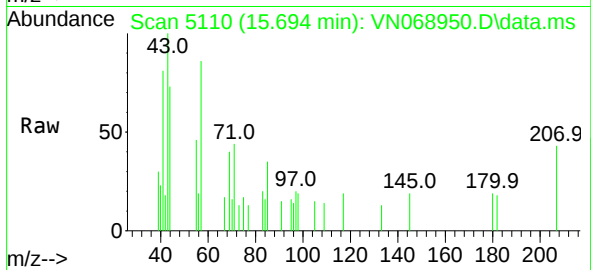
Tgt Ion:128 Resp: 43762
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 12.1 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.571 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.008 min
 Lab File: VN068950.D
 Acq: 15 Oct 2021 15:31

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	210
Ion	Ratio	Lower	Upper
180	100		
182	99.0	48.1	144.3
145	18.6	17.4	52.2

