

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068990.D
 Acq On : 18 Oct 2021 19:46
 Operator : JC/MD
 Sample : M4244-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:40:04 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)

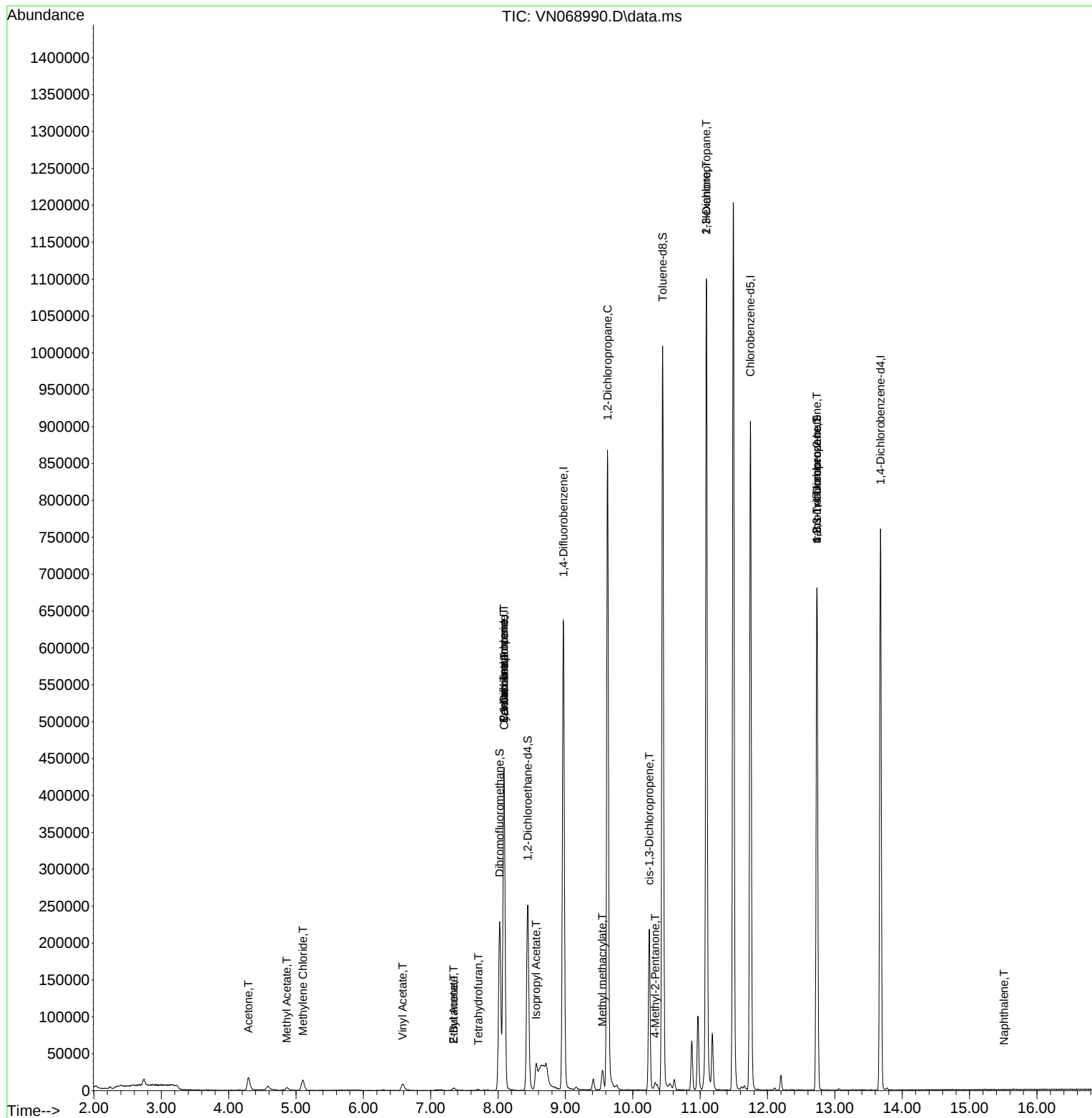
Internal Standards						
1) Pentafluorobenzene	8.088	168	328562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	573742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	532140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	201456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	214198	49.446	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.900%		
35) Dibromofluoromethane	8.024	113	171162	51.276	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.560%		
50) Toluene-d8	10.443	98	713243	53.402	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.800%		
62) 4-Bromofluorobenzene	12.733	95	250200	49.651	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.300%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	33541	20.748	ug/l	95
18) Methyl Acetate	4.865	43	7957	1.298	ug/l #	79
20) Methylene Chloride	5.103	84	11609	3.120	ug/l	91
23) Vinyl Acetate	6.581	43	2143	0.240	ug/l #	72
25) 2-Butanone	7.340	43	5992	2.451	ug/l	96
29) Tetrahydrofuran	7.707	42	1098	0.692	ug/l #	49
31) Cyclohexane	8.091	56	7550	1.121	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27099	5.530	ug/l #	50
37) Ethyl Acetate	7.340	43	5992	1.184	ug/l #	68
38) Carbon Tetrachloride	8.088	117	33853	6.290	ug/l #	16
43) Isopropyl Acetate	8.563	43	43610	4.883	ug/l #	80
45) 1,2-Dichloropropane	9.628	63	1022	0.264	ug/l #	43
48) Methyl methacrylate	9.547	41	7596	1.810	ug/l #	24
51) 4-Methyl-2-Pentanone	10.333	43	6357	1.228	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	41535	6.434	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	12078	1.935	ug/l #	42
59) 2-Hexanone	11.092	43	182376	49.113	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	128472	29.972	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	128472	71.706	ug/l #	12
95) Naphthalene	15.512	128	55	3.817	ug/l #	69

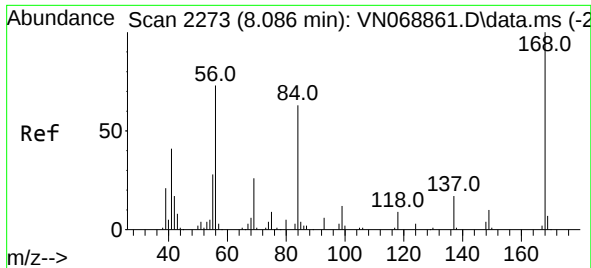
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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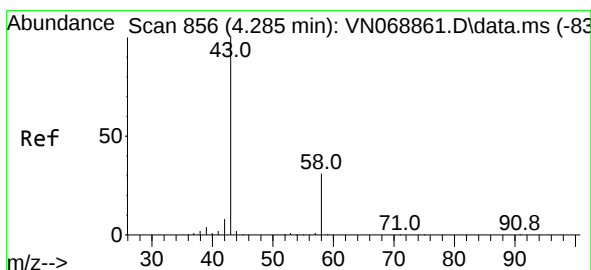
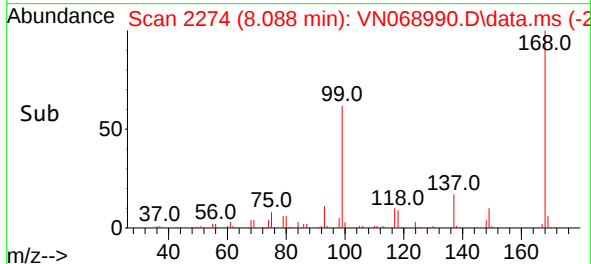
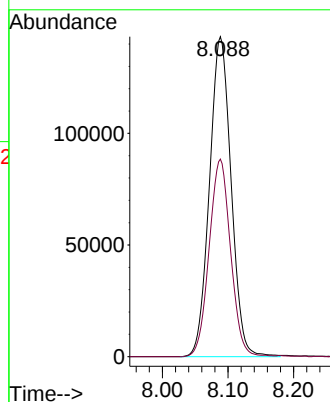
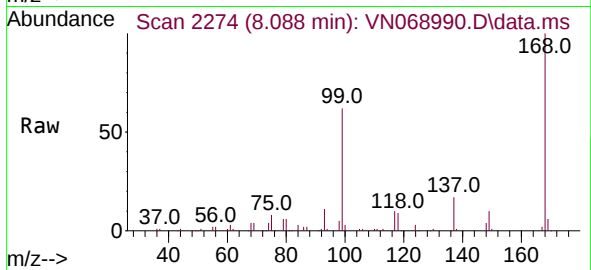




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

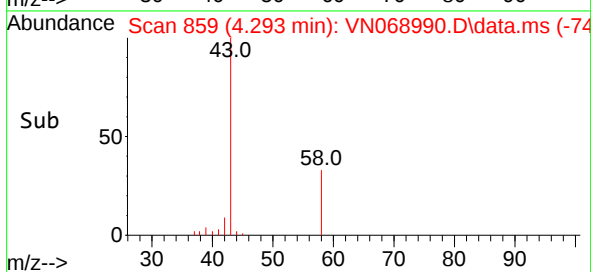
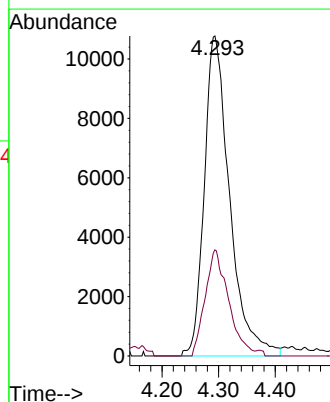
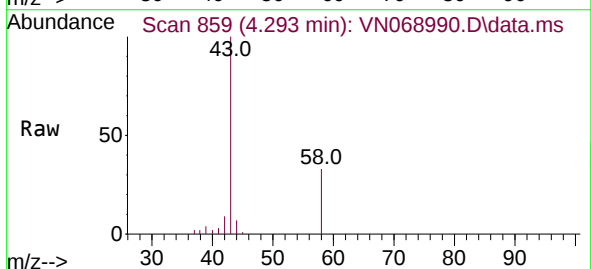
Instrument :
MSVOA_N
ClientSampled :

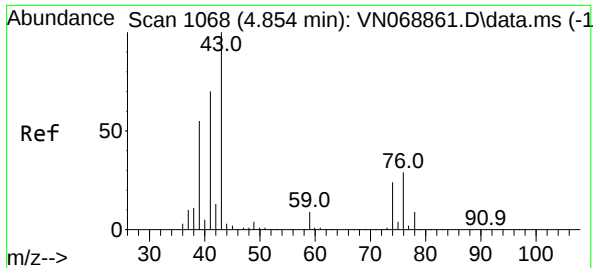
Tgt Ion:168 Resp: 328562
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#16
Acetone
Concen: 20.748 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 43 Resp: 33541
Ion Ratio Lower Upper
43 100
58 33.2 24.5 36.7

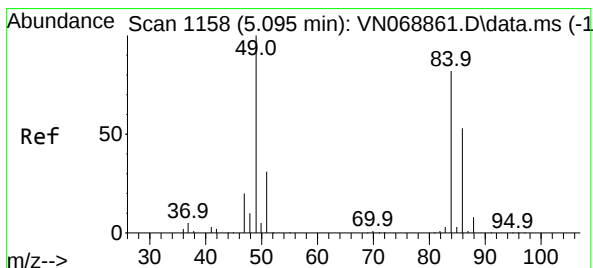
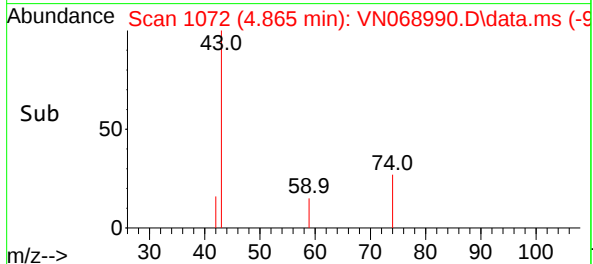
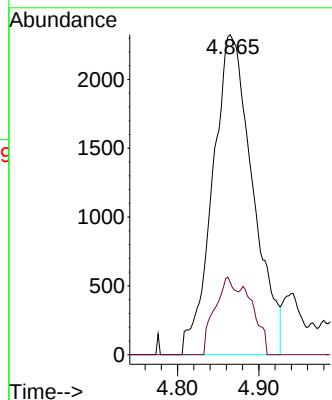
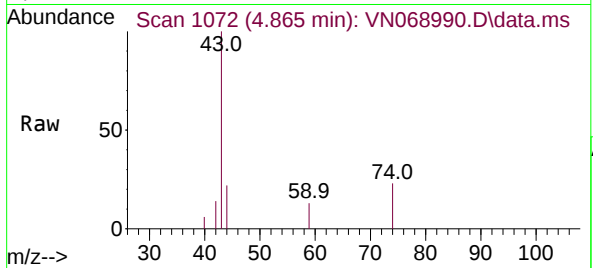




#18
Methyl Acetate
Concen: 1.298 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

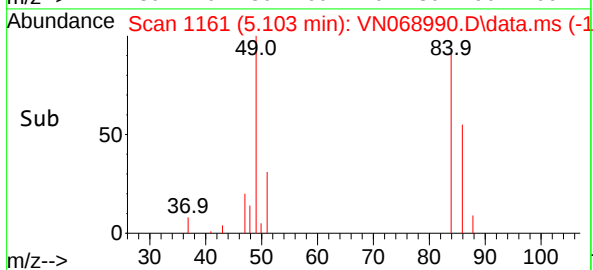
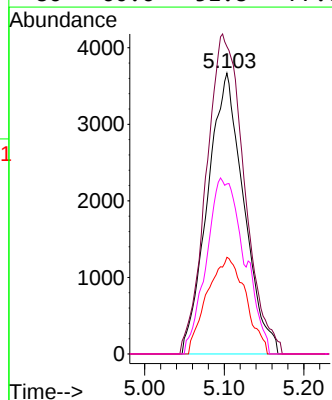
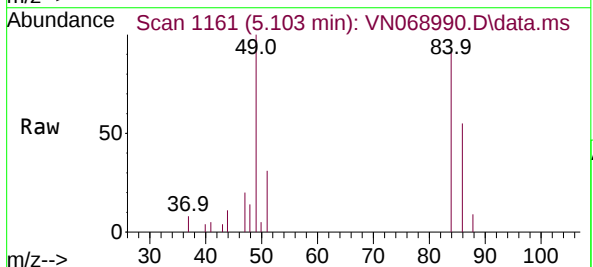
Instrument :
MSVOA_N
ClientSampled :

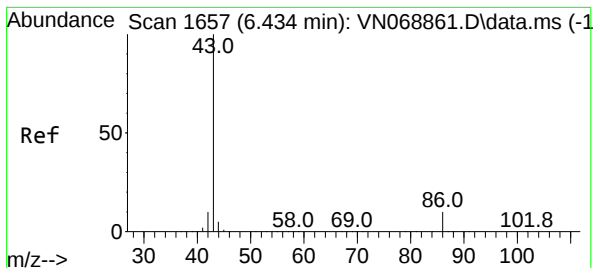
Tgt Ion: 43 Resp: 7957
Ion Ratio Lower Upper
43 100
74 13.3 18.9 28.3#



#20
Methylene Chloride
Concen: 3.120 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 84 Resp: 11609
Ion Ratio Lower Upper
84 100
49 109.5 97.6 146.4
51 34.4 30.3 45.5
86 60.6 51.8 77.6

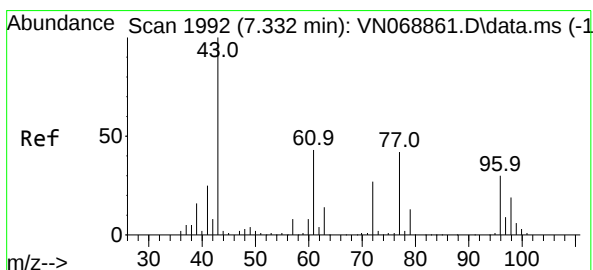
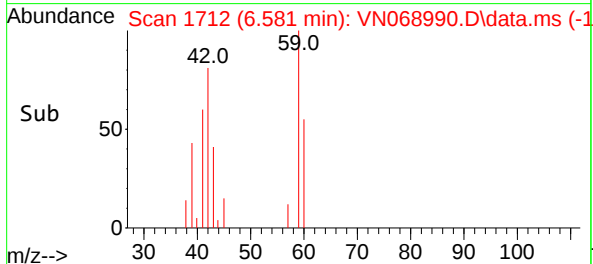
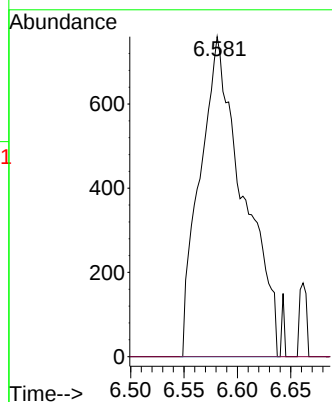
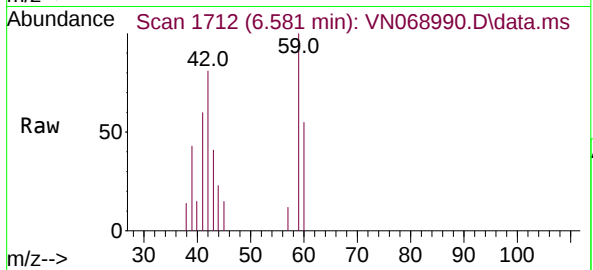




#23
 Vinyl Acetate
 Concen: 0.240 ug/l
 RT: 6.581 min Scan# 1712
 Delta R.T. 0.147 min
 Lab File: VN068990.D
 Acq: 18 Oct 2021 19:46

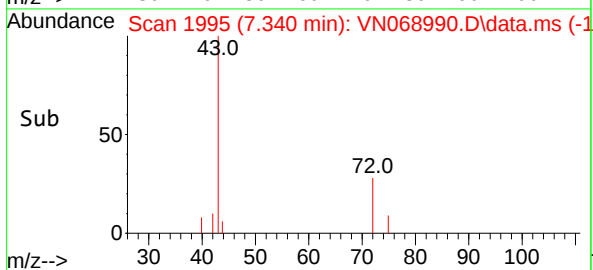
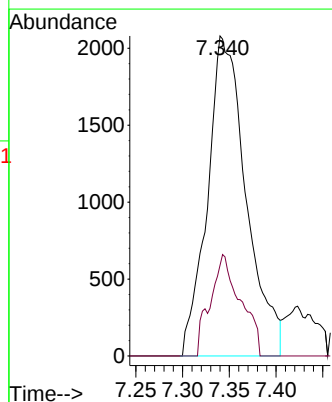
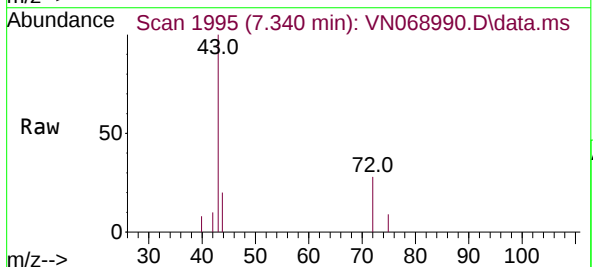
Instrument :
 MSVOA_N
 ClientSampleId :

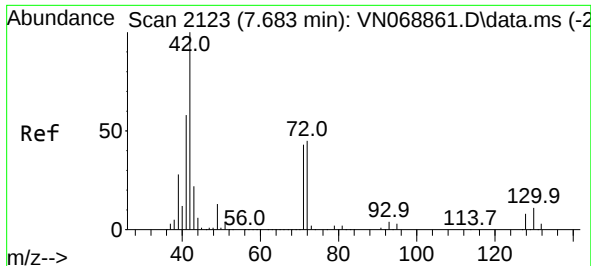
Tgt Ion: 43 Resp: 2143
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.3 12.5#



#25
 2-Butanone
 Concen: 2.451 ug/l
 RT: 7.340 min Scan# 1995
 Delta R.T. 0.008 min
 Lab File: VN068990.D
 Acq: 18 Oct 2021 19:46

Tgt Ion: 43 Resp: 5992
 Ion Ratio Lower Upper
 43 100
 72 28.4 21.2 31.8





#29

Tetrahydrofuran

Concen: 0.692 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.024 min

Lab File: VN068990.D

Acq: 18 Oct 2021 19:46

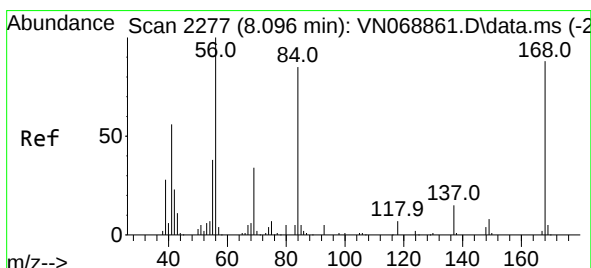
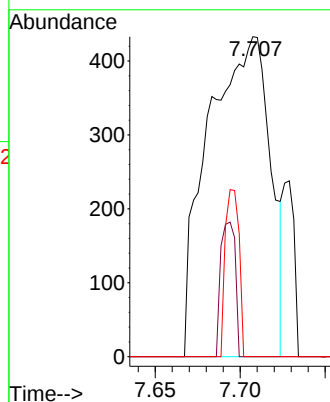
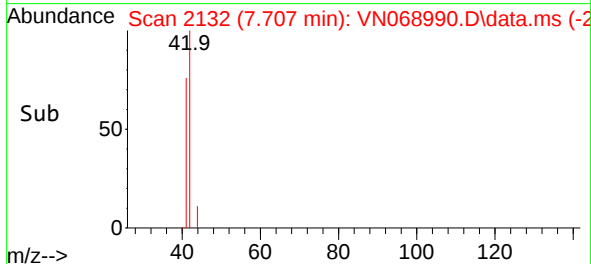
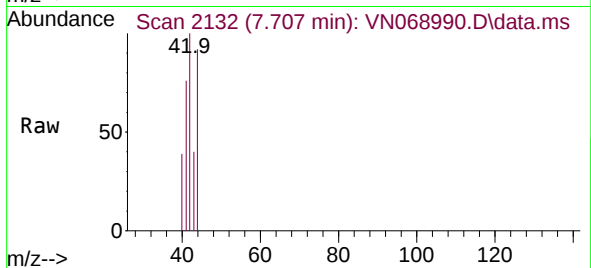
Tgt Ion: 42 Resp: 1098

Ion Ratio Lower Upper

42 100

72 9.8 35.4 53.2#

71 11.7 33.8 50.6#



#31

Cyclohexane

Concen: 1.121 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.005 min

Lab File: VN068990.D

Acq: 18 Oct 2021 19:46

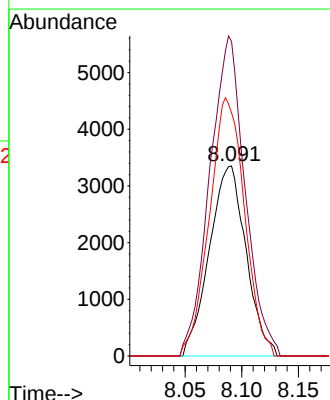
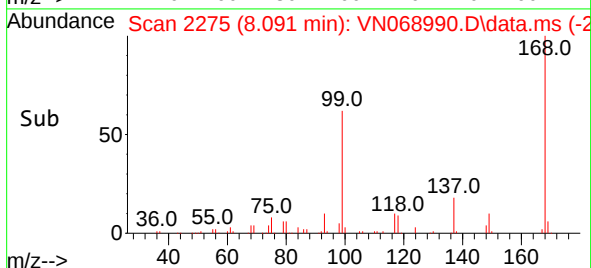
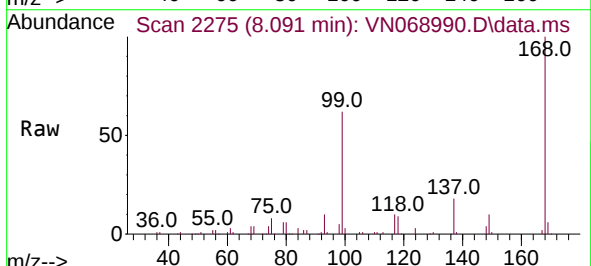
Tgt Ion: 56 Resp: 7550

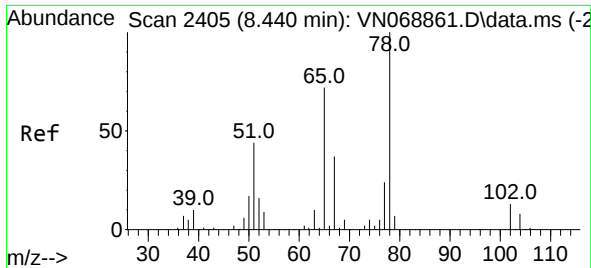
Ion Ratio Lower Upper

56 100

69 165.5 26.9 40.3#

84 128.0 67.6 101.4#

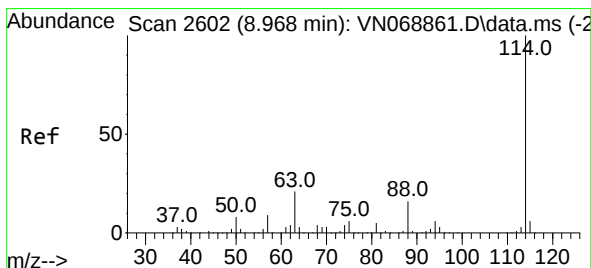
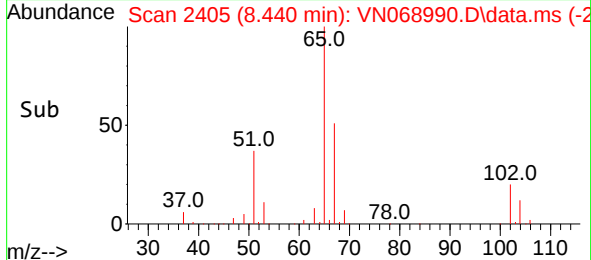
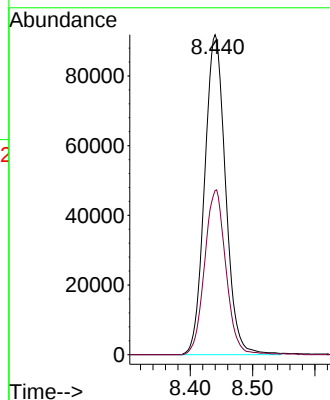
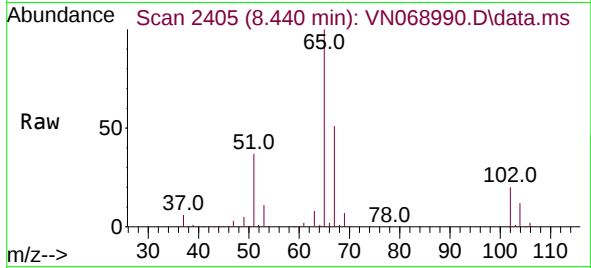




#33
 1,2-Dichloroethane-d4
 Concen: 49.446 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068990.D
 Acq: 18 Oct 2021 19:46

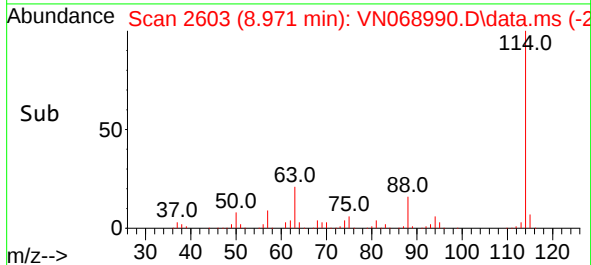
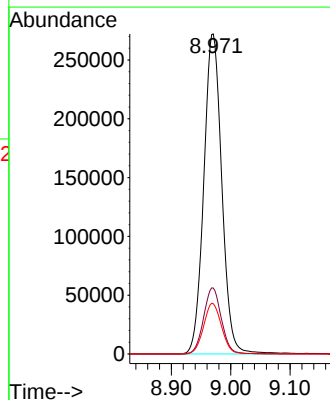
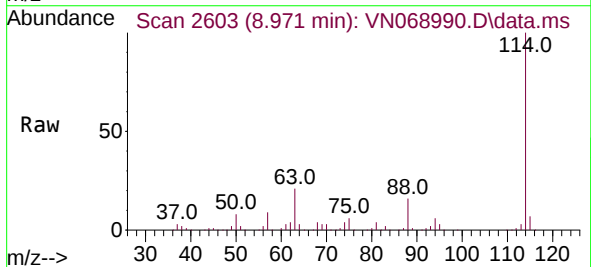
Instrument :
 MSVOA_N
 ClientSampled :

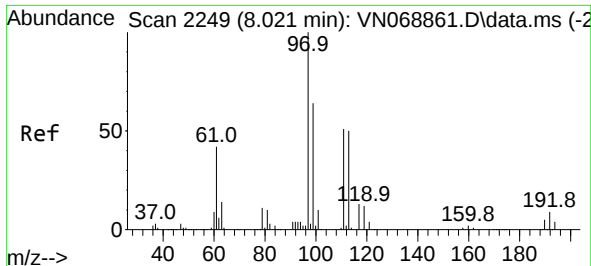
Tgt Ion: 65 Resp: 214198
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068990.D
 Acq: 18 Oct 2021 19:46

Tgt Ion: 114 Resp: 573742
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.7 0.0 32.0

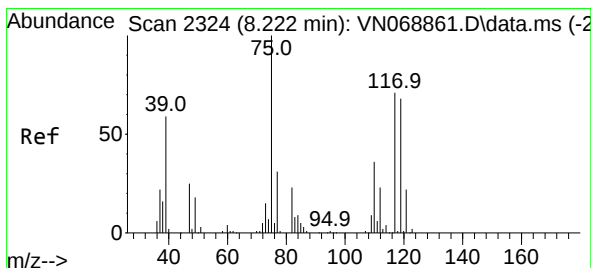
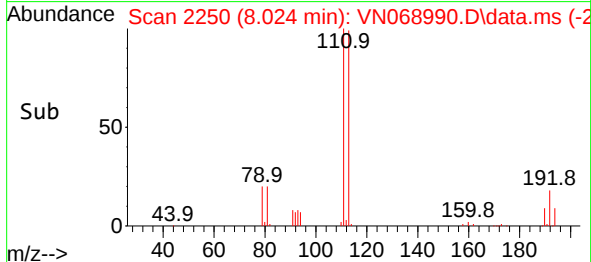
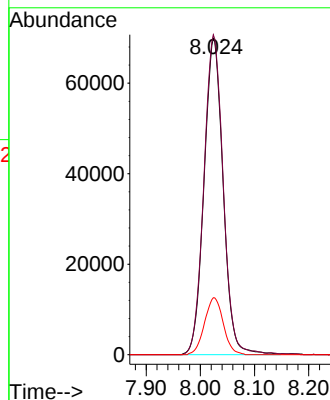
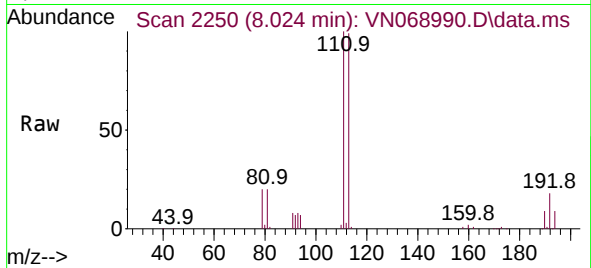




#35
Dibromofluoromethane
Concen: 51.276 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

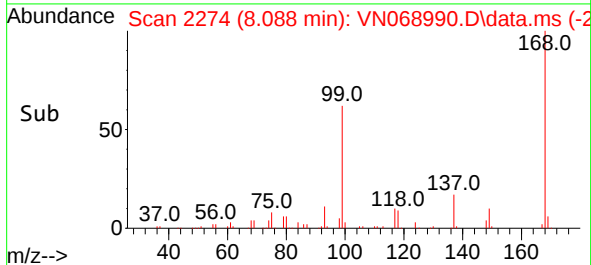
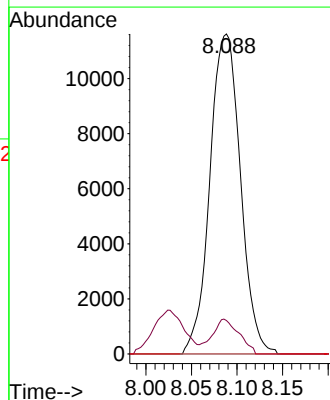
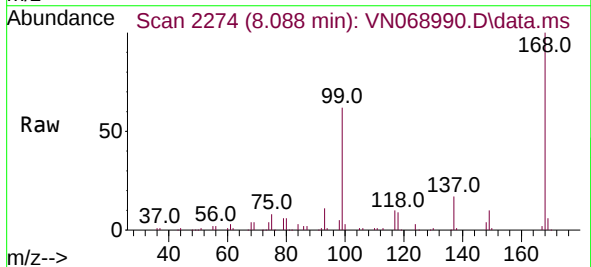
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MSVOA_N
ClientSampled :

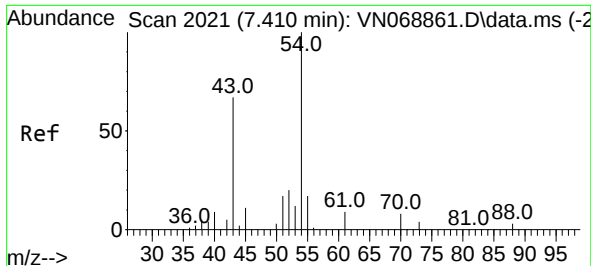
Tgt Ion:113 Resp: 171162
Ion Ratio Lower Upper
113 100
111 102.0 83.2 124.8
192 17.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.530 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 75 Resp: 27099
Ion Ratio Lower Upper
75 100
110 9.5 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.184 ug/l

RT: 7.340 min Scan# 1995

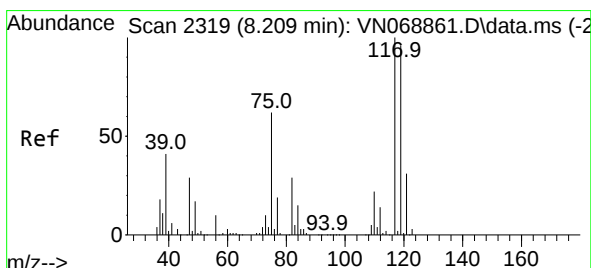
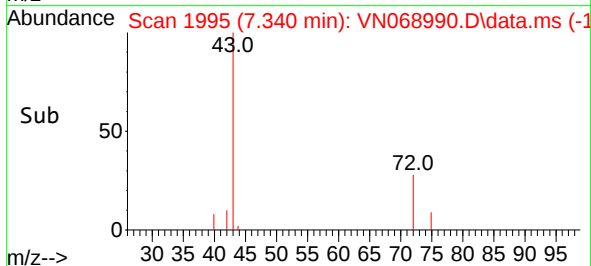
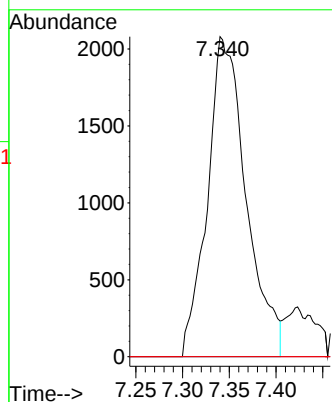
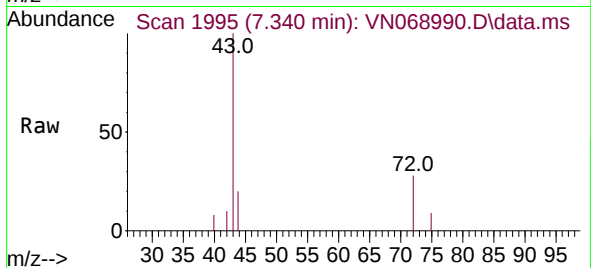
Delta R.T. -0.070 min

Lab File: VN068990.D

Acq: 18 Oct 2021 19:46

Tgt Ion:	43	Resp:	5992
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.290 ug/l

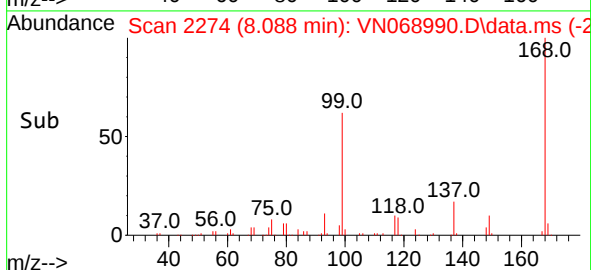
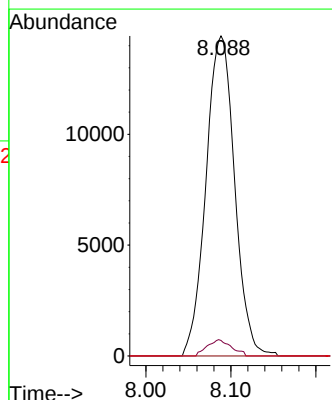
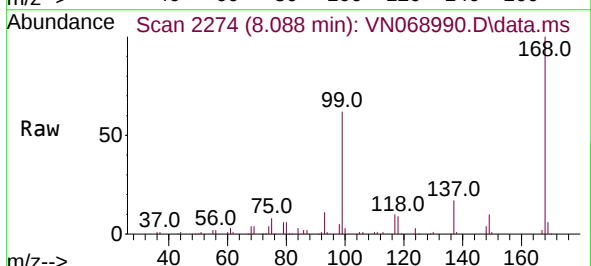
RT: 8.088 min Scan# 2274

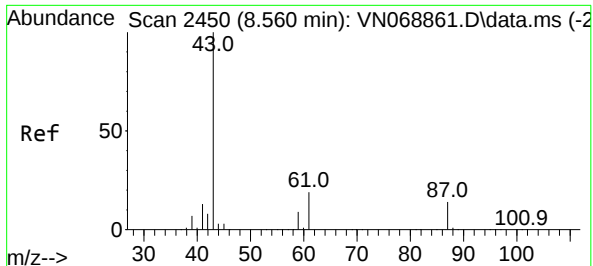
Delta R.T. -0.121 min

Lab File: VN068990.D

Acq: 18 Oct 2021 19:46

Tgt Ion:	117	Resp:	33853
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.9	115.3#
121	0.0	24.6	37.0#

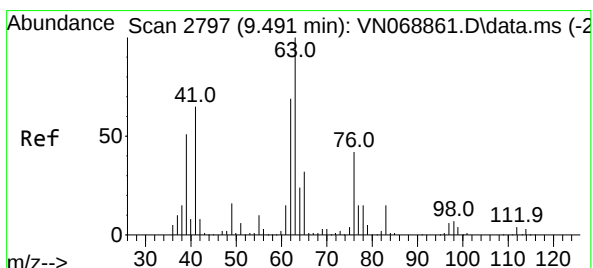
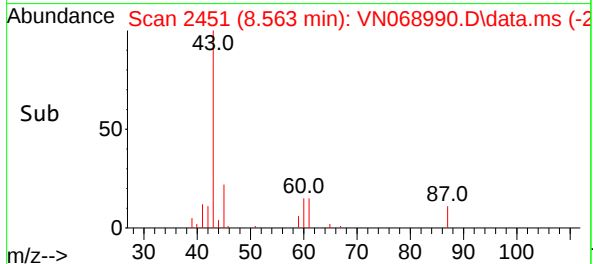
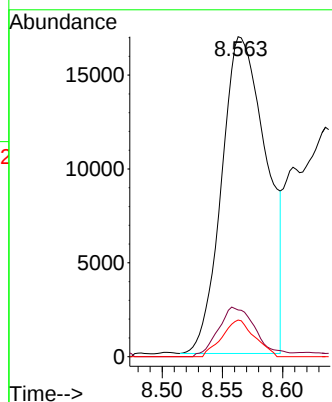
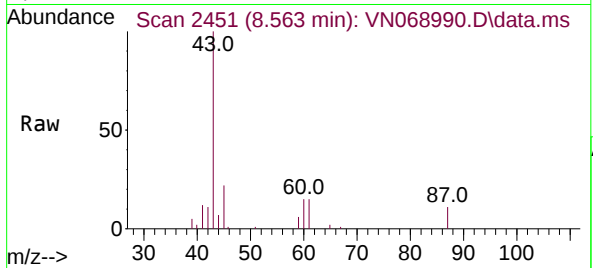




#43
Isopropyl Acetate
Concen: 4.883 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

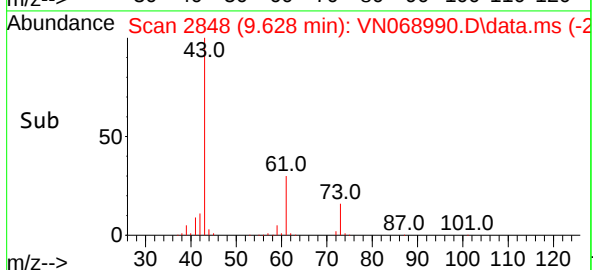
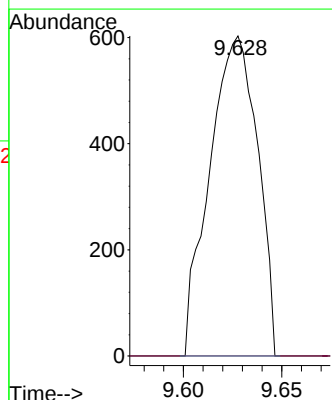
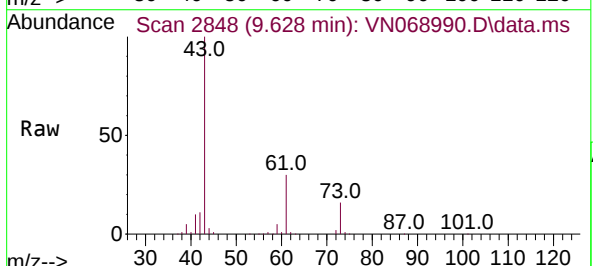
Instrument :
MSVOA_N
ClientSampled :

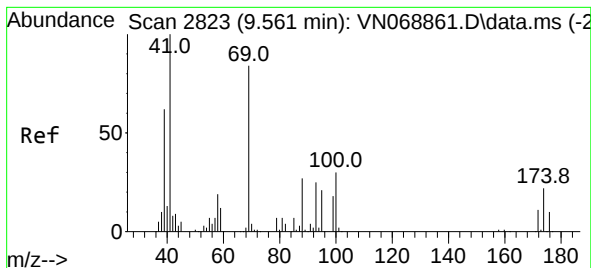
Tgt Ion: 43 Resp: 43610
Ion Ratio Lower Upper
43 100
61 13.2 20.4 30.6#
87 8.4 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.264 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 63 Resp: 1022
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.810 ug/l

RT: 9.547 min Scan# 2818

Delta R.T. -0.013 min

Lab File: VN068990.D

Acq: 18 Oct 2021 19:46

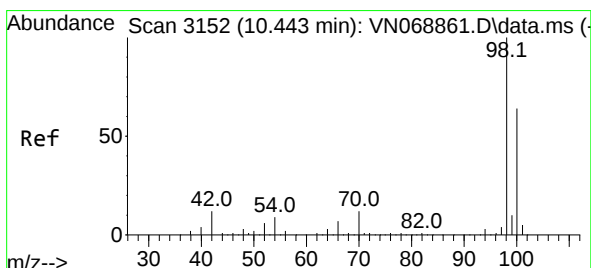
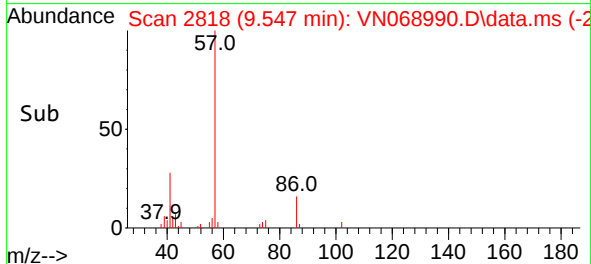
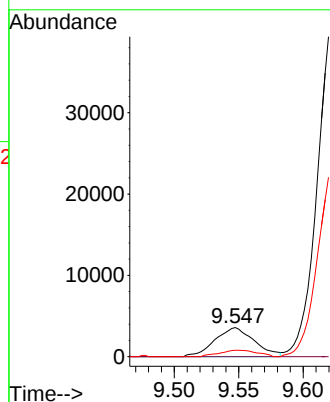
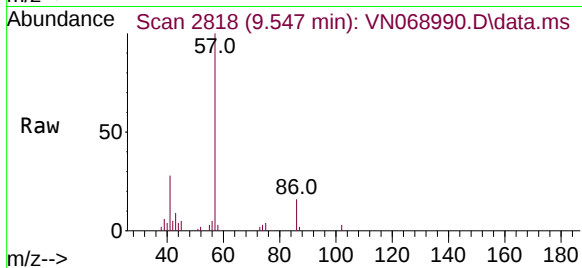
Tgt Ion: 41 Resp: 7596

Ion Ratio Lower Upper

41 100

69 0.0 66.4 99.6#

39 21.3 50.2 75.2#



#50

Toluene-d8

Concen: 53.402 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068990.D

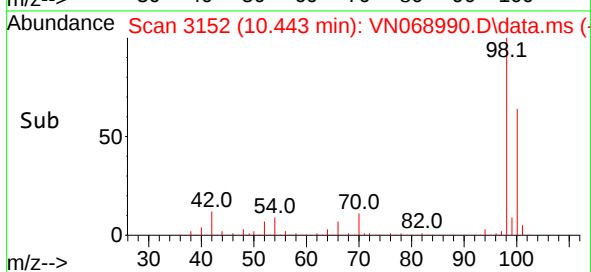
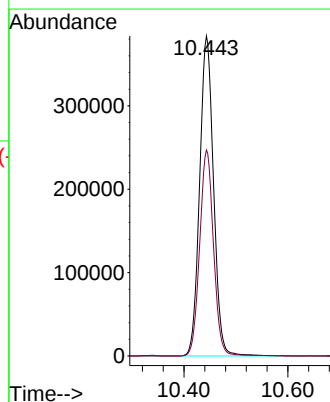
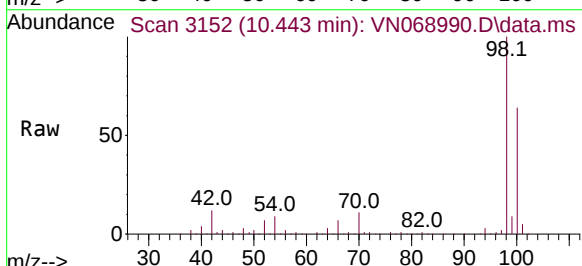
Acq: 18 Oct 2021 19:46

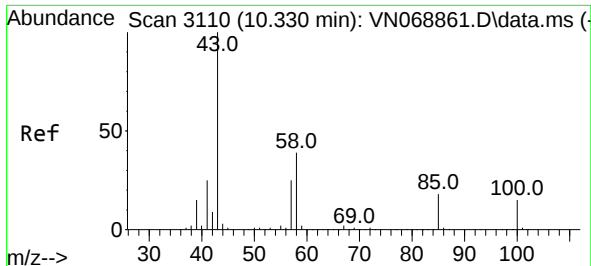
Tgt Ion: 98 Resp: 713243

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3

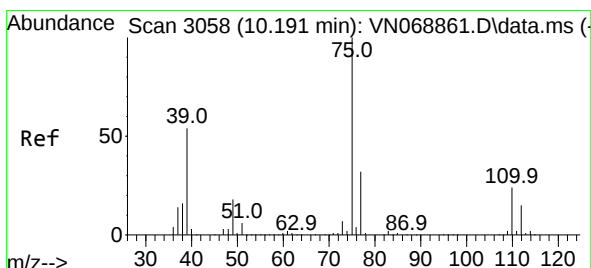
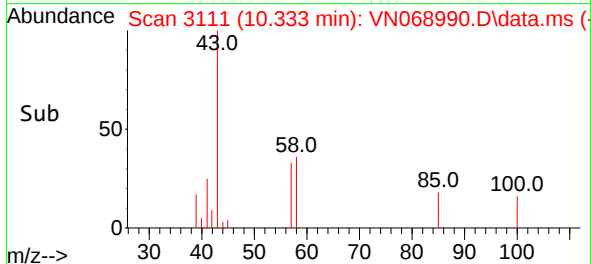
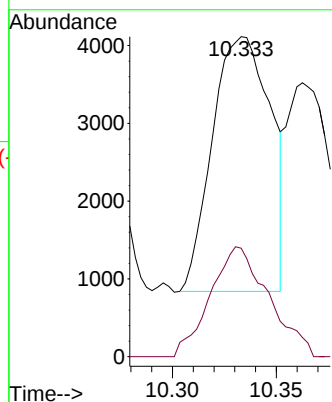
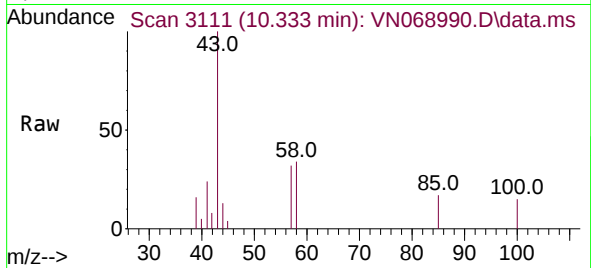




#51
4-Methyl-2-Pentanone
Concen: 1.228 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

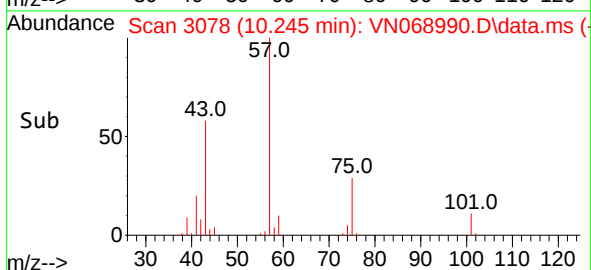
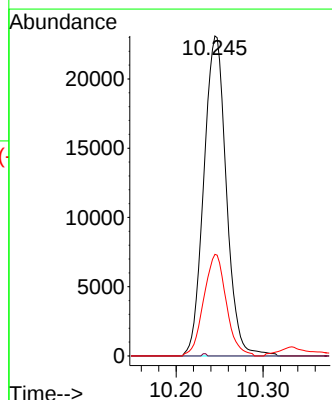
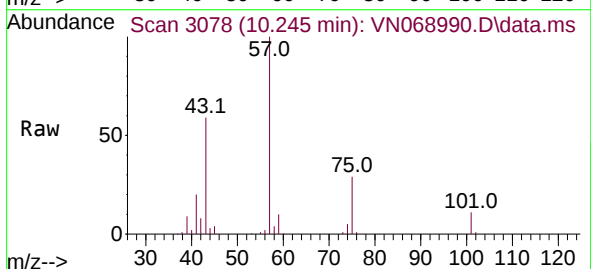
Instrument :
MSVOA_N
ClientSampleId :

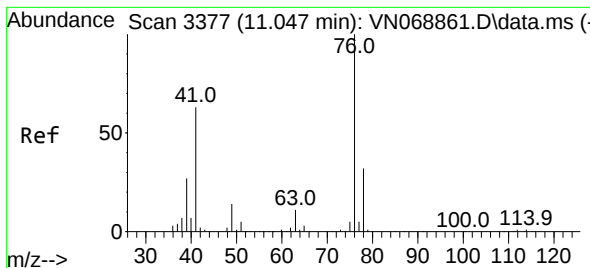
Tgt Ion: 43 Resp: 6357
Ion Ratio Lower Upper
43 100
58 43.3 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 6.434 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 75 Resp: 41535
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 31.7 42.9 64.3#

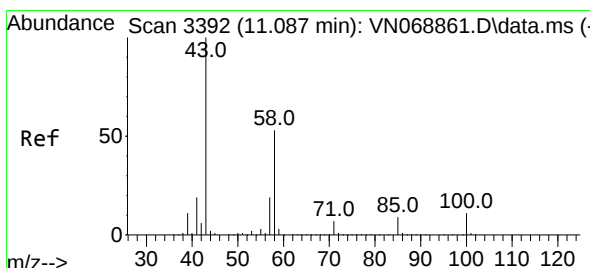
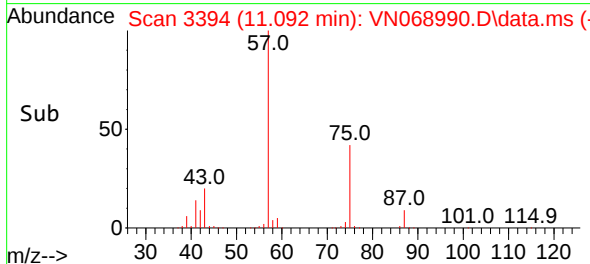
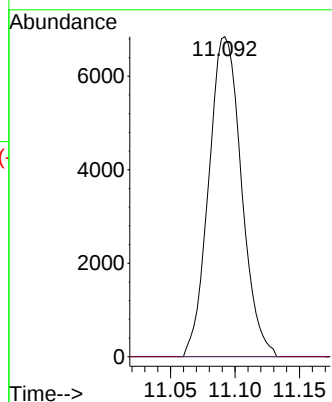
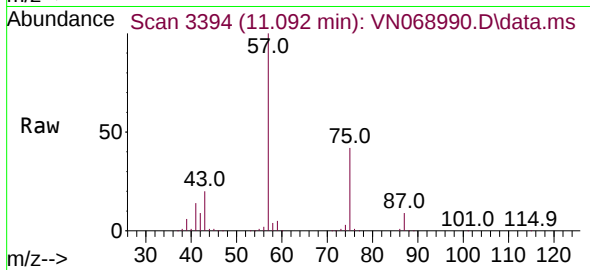




#57
1,3-Dichloropropane
Concen: 1.935 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

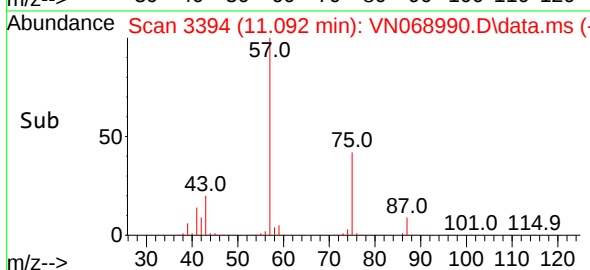
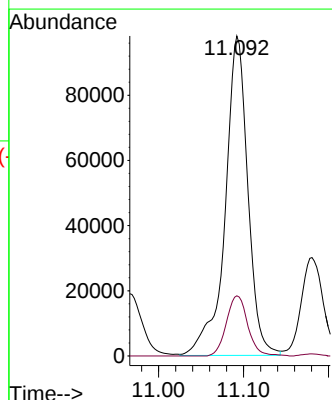
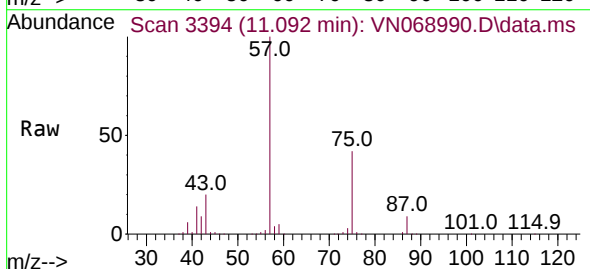
Instrument :
MSVOA_N
ClientSampled :

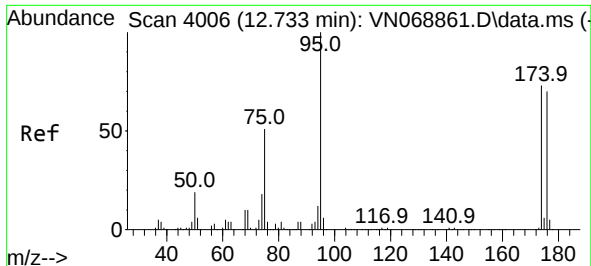
Tgt Ion: 76 Resp: 12078
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 49.113 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 43 Resp: 182376
Ion Ratio Lower Upper
43 100
58 17.8 26.9 80.7#

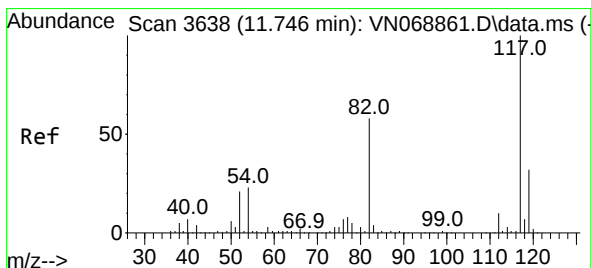
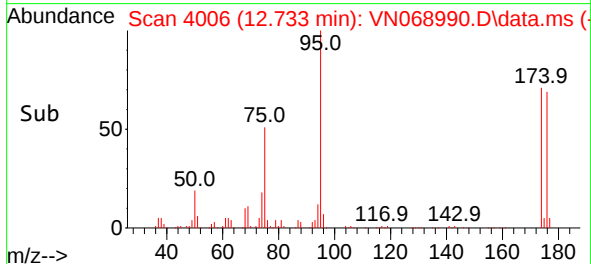
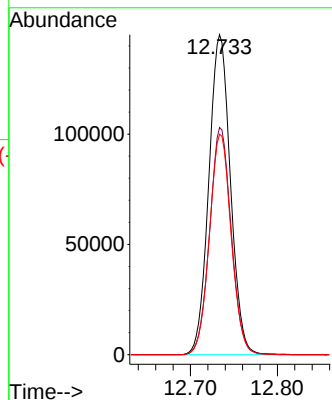
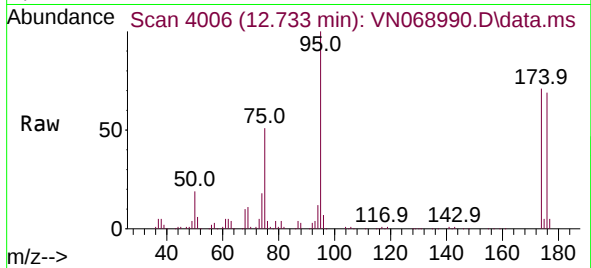




#62
4-Bromofluorobenzene
Concen: 49.651 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

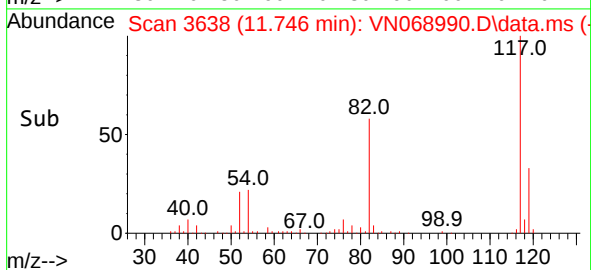
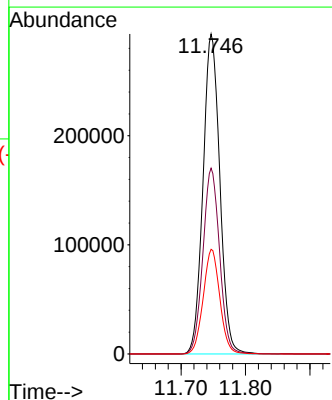
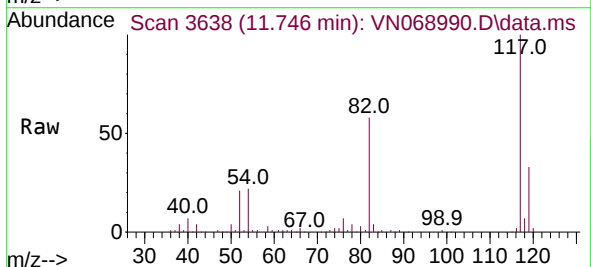
Instrument :
MSVOA_N
ClientSampleId :

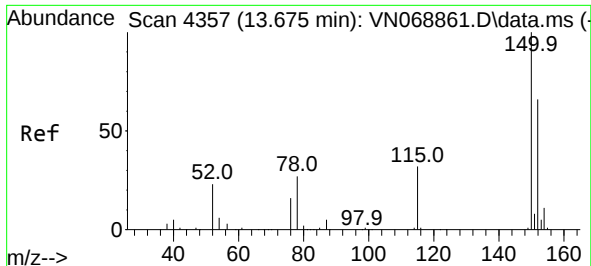
Tgt Ion: 95 Resp: 250200
Ion Ratio Lower Upper
95 100
174 71.0 0.0 144.8
176 69.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion: 117 Resp: 532140
Ion Ratio Lower Upper
117 100
82 58.0 46.4 69.6
119 32.7 26.0 39.0

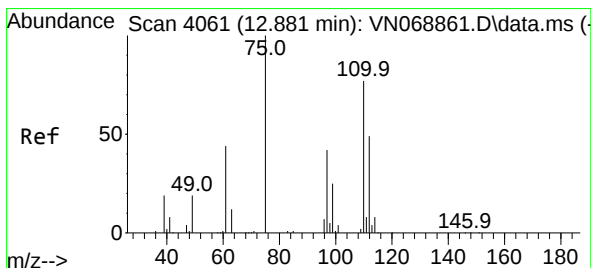
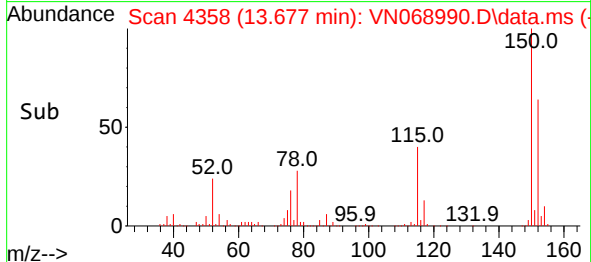
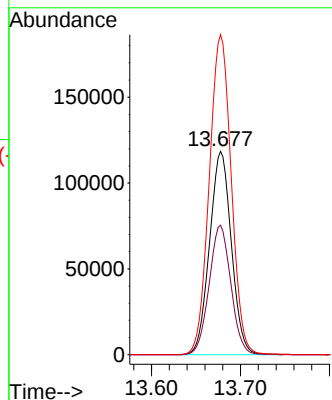
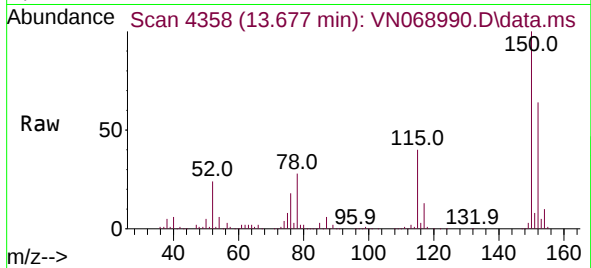




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068990.D
 Acq: 18 Oct 2021 19:46

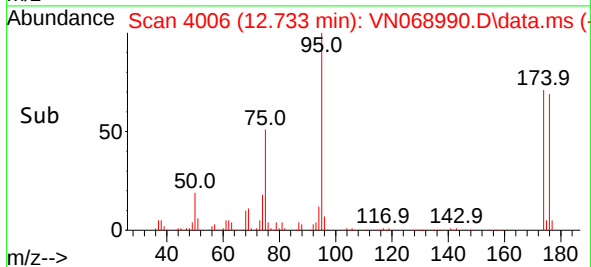
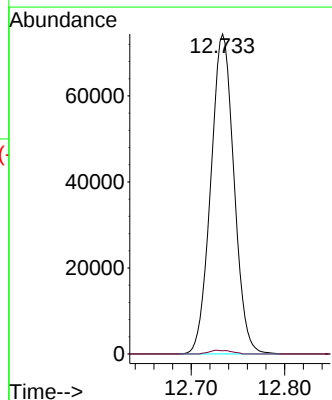
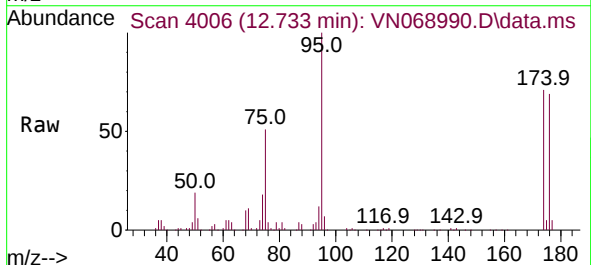
Instrument :
 MSVOA_N
 ClientSampled :

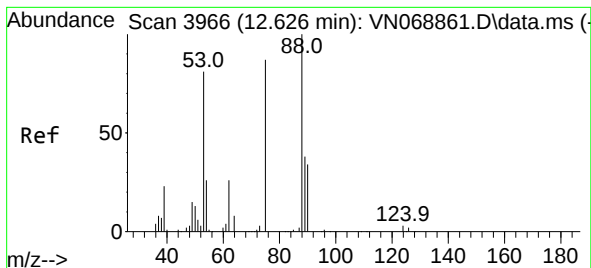
Tgt Ion:152 Resp: 201456
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.4 94.3
 150 158.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.972 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068990.D
 Acq: 18 Oct 2021 19:46

Tgt Ion: 75 Resp: 128472
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.2 288.4#

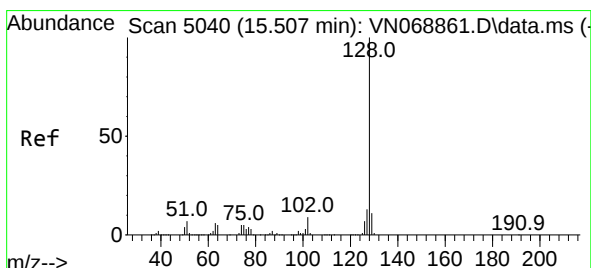
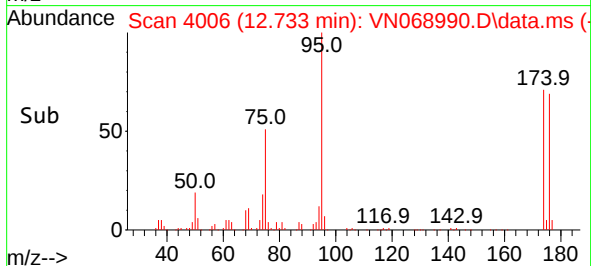
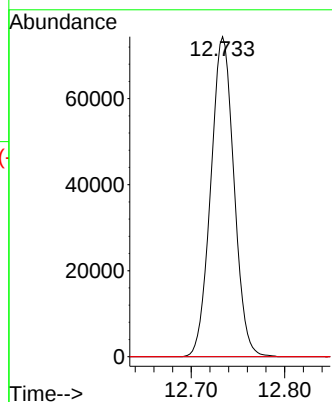
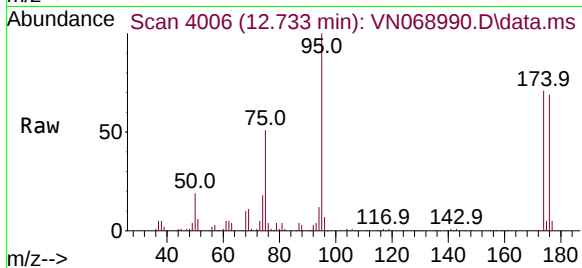




#81
trans-1,4-Dichloro-2-butene
Concen: 71.706 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 128472
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.817 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068990.D
Acq: 18 Oct 2021 19:46

Tgt Ion:128 Resp: 55
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

