

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068932.D
 Acq On : 14 Oct 2021 18:21
 Operator : JC/MD
 Sample : M4192-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:49:17 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)

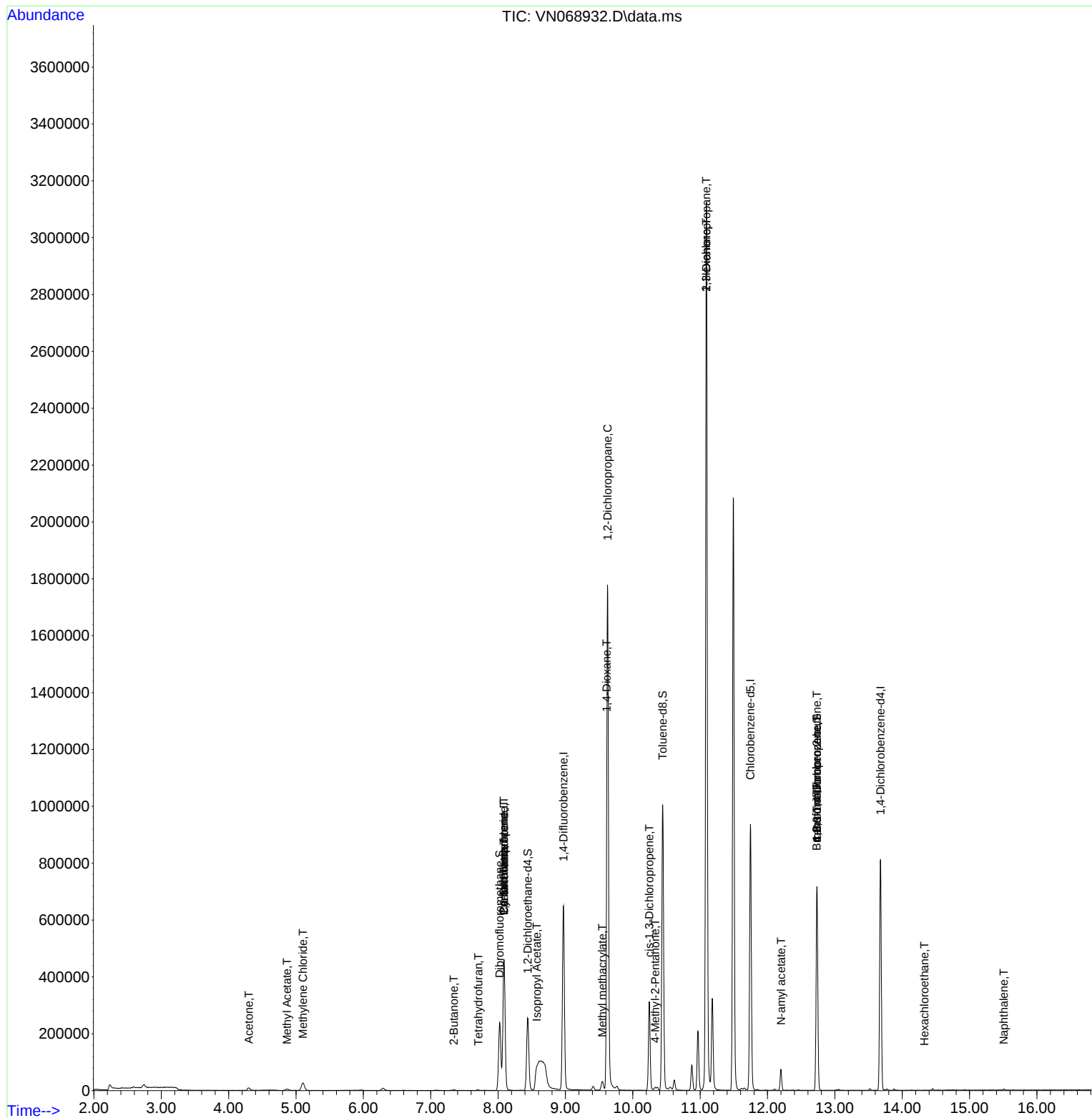
Internal Standards						
1) Pentafluorobenzene	8.088	168	362974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	589146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	555654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	223413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	213096	44.528	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.060%		
35) Dibromofluoromethane	8.024	113	175455	51.187	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.380%		
50) Toluene-d8	10.443	98	717513	52.317	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.640%		
62) 4-Bromofluorobenzene	12.733	95	257963	49.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.700%		
Target Compounds					Qvalue	
16) Acetone	4.299	43	17706	9.914	ug/l	99
18) Methyl Acetate	4.867	43	11145	1.645	ug/l	95
20) Methylene Chloride	5.103	84	22471	5.467	ug/l	95
25) 2-Butanone	7.343	43	2623	0.971	ug/l	97
29) Tetrahydrofuran	7.707	42	1857	1.060	ug/l #	47
31) Cyclohexane	8.088	56	7725	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27794	5.523	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36105	6.533	ug/l #	16
43) Isopropyl Acetate	8.576	43	71678	7.817	ug/l #	76
45) 1,2-Dichloropropane	9.625	63	2272	0.571	ug/l #	43
48) Methyl methacrylate	9.547	41	8537	1.981	ug/l #	13
49) 1,4-Dioxane	9.614	88	51	36.219	ug/l #	23
51) 4-Methyl-2-Pentanone	10.333	43	4785	0.900	ug/l #	74
54) cis-1,3-Dichloropropene	10.245	75	59655	8.999	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	35124	5.480	ug/l #	42
59) 2-Hexanone	11.092	43	480399	125.986	ug/l #	50
71) Bromoform	12.731	173	1122	0.340	ug/l #	1
74) N-amyl acetate	12.200	43	22509	3.195	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	131680	27.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131680	66.273	ug/l #	12
90) Hexachloroethane	14.329	117	670	0.213	ug/l #	12
95) Naphthalene	15.507	128	4036	4.171	ug/l #	82

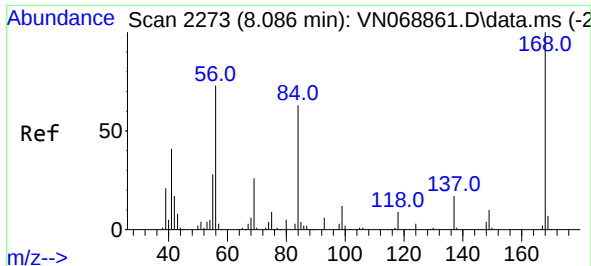
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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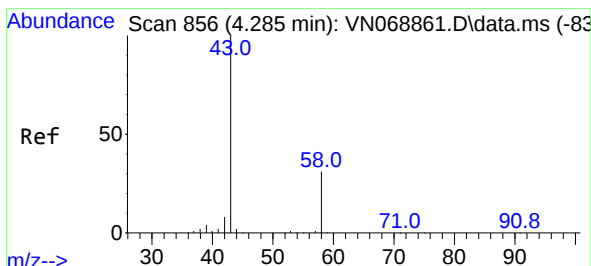
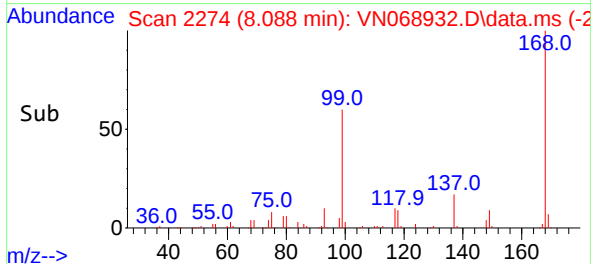
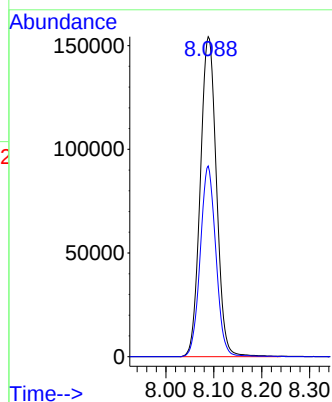
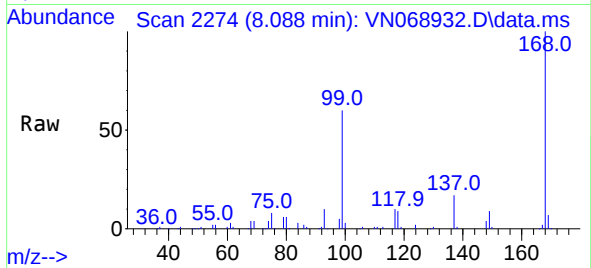




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

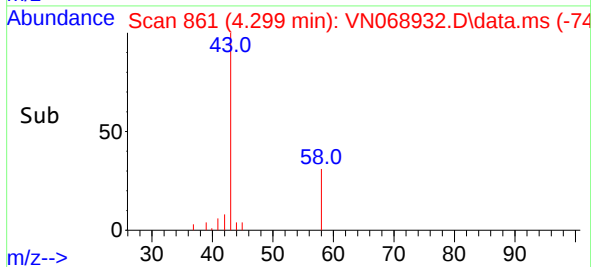
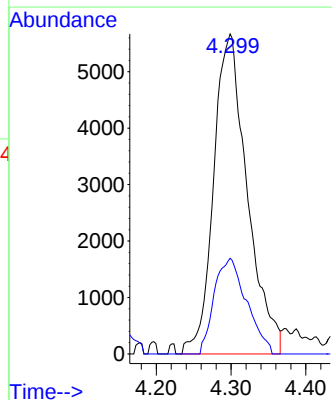
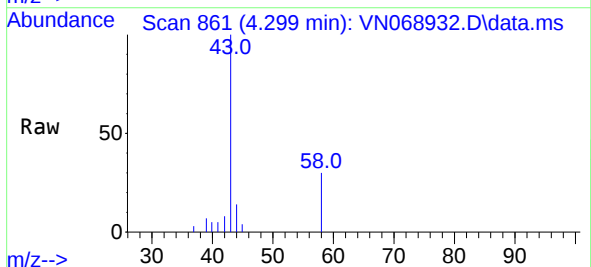
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 362974
Ion Ratio Lower Upper
168 100
99 59.6 48.9 73.3



#16
Acetone
Concen: 9.914 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 43 Resp: 17706
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7

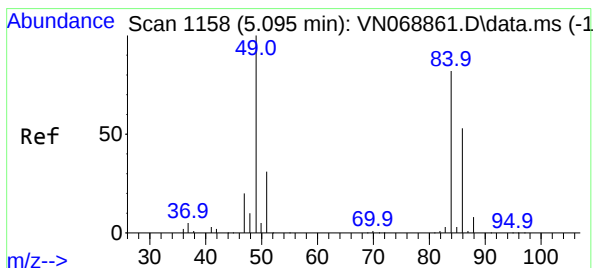
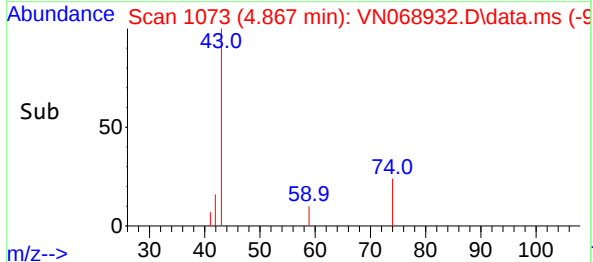
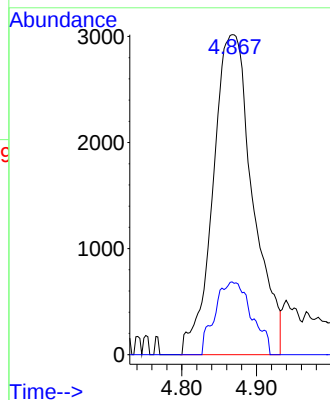
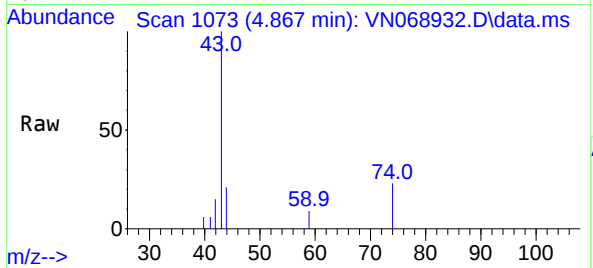




#18
Methyl Acetate
Concen: 1.645 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

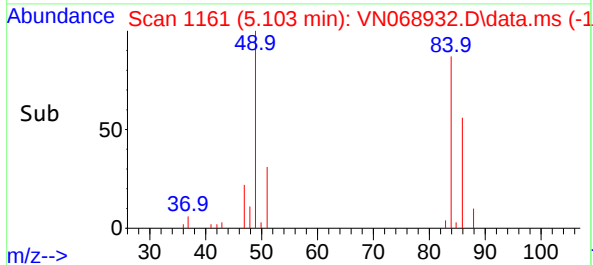
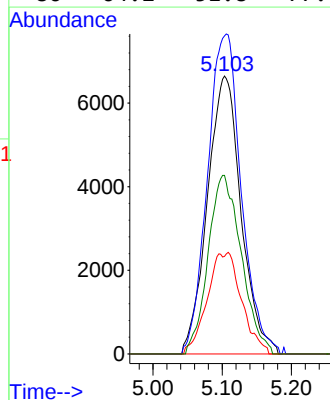
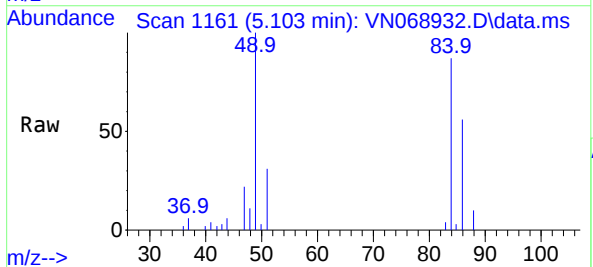
Instrument :
MSVOA_N
ClientSampled :

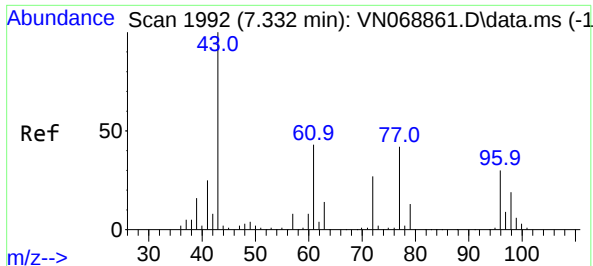
Tgt Ion: 43 Resp: 11145
Ion Ratio Lower Upper
43 100
74 20.9 18.9 28.3



#20
Methylene Chloride
Concen: 5.467 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 84 Resp: 22471
Ion Ratio Lower Upper
84 100
49 114.5 97.6 146.4
51 35.1 30.3 45.5
86 64.2 51.8 77.6

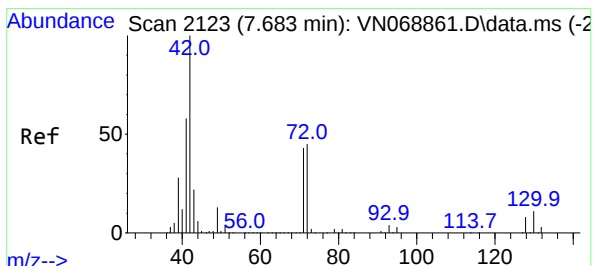
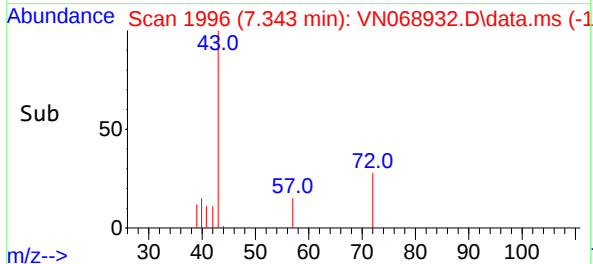
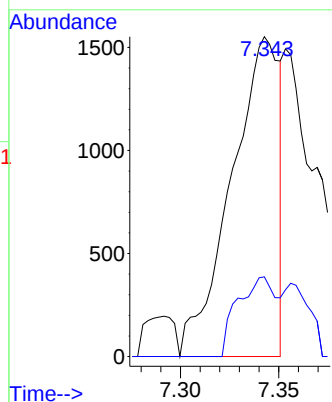
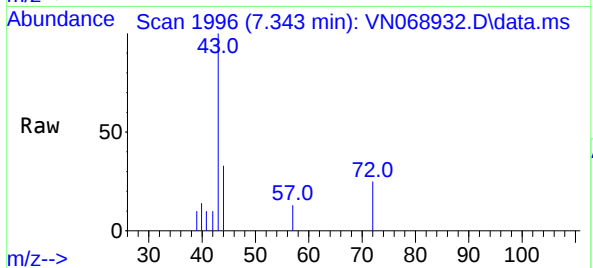




#25
2-Butanone
Concen: 0.971 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

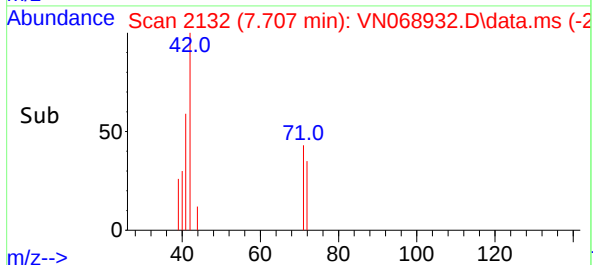
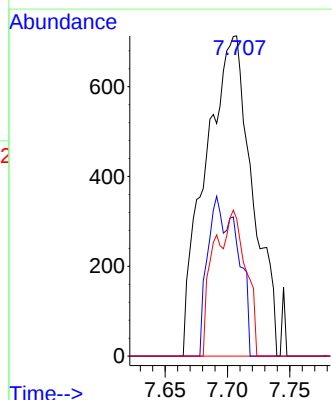
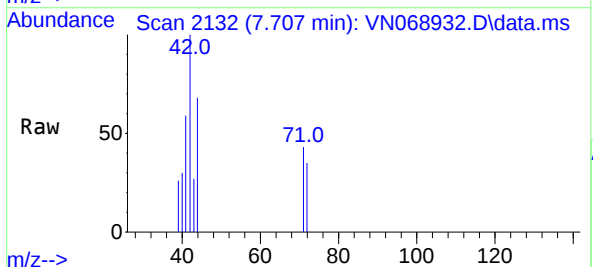
Instrument :
MSVOA_N
ClientSampled :

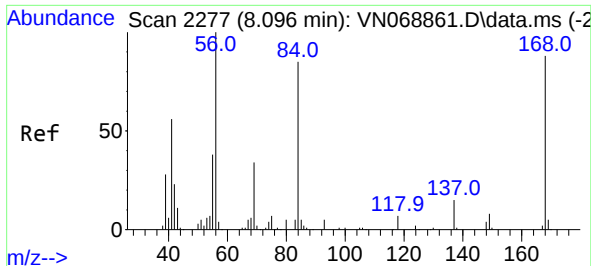
Tgt Ion: 43 Resp: 2623
Ion Ratio Lower Upper
43 100
72 24.9 21.2 31.8



#29
Tetrahydrofuran
Concen: 1.060 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.024 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 42 Resp: 1857
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 18.9 33.8 50.6#

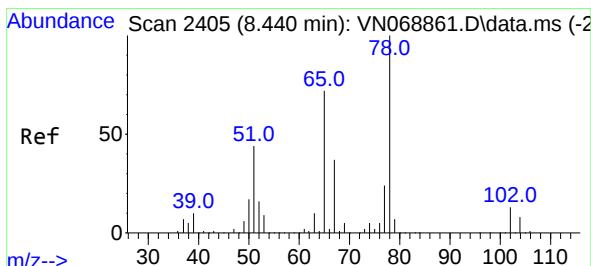
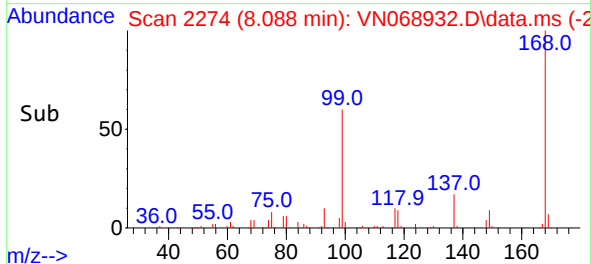
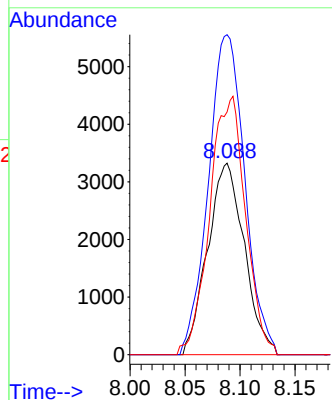
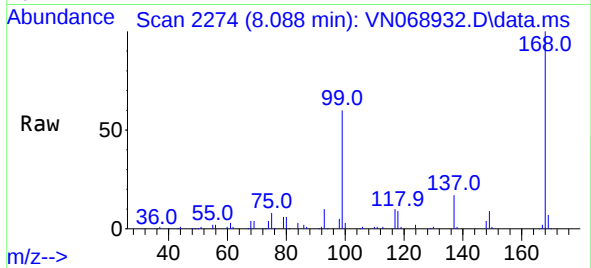




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

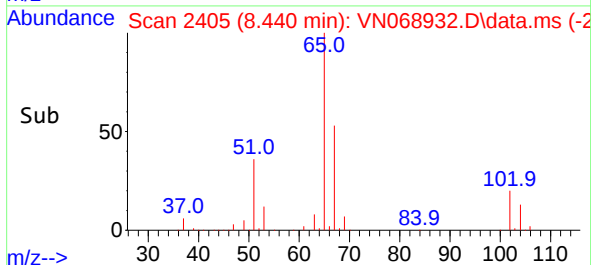
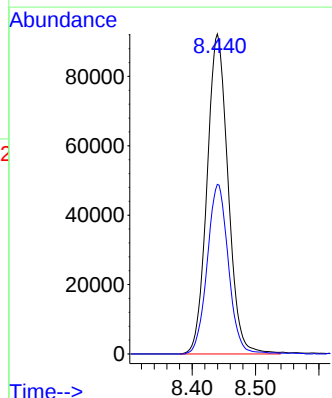
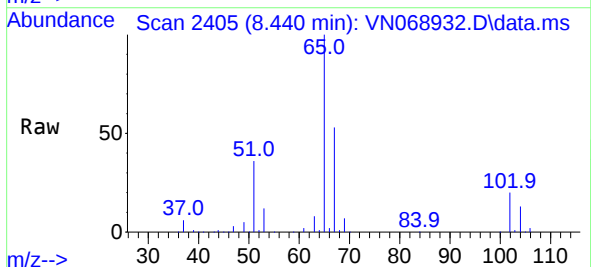
Instrument :
MSVOA_N
ClientSampled :

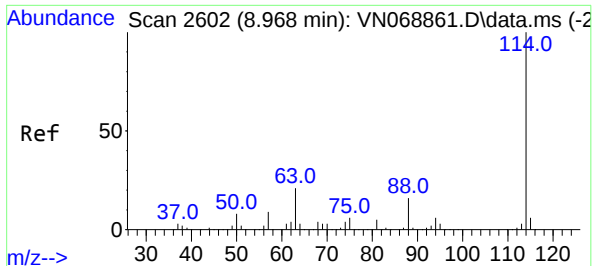
Tgt Ion: 56 Resp: 7725
Ion Ratio Lower Upper
56 100
69 167.1 26.9 40.3#
84 126.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 44.528 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 65 Resp: 213096
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.8

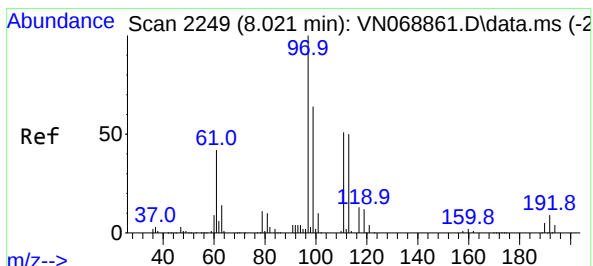
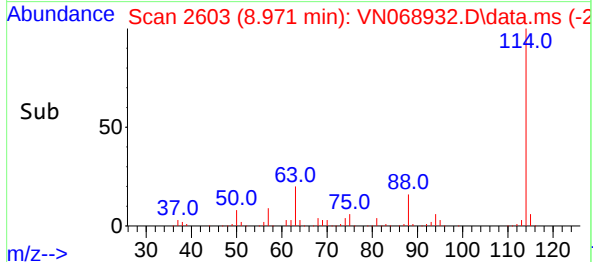
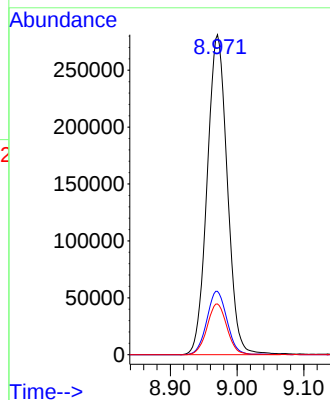
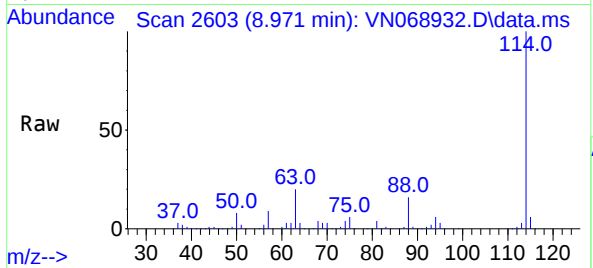




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

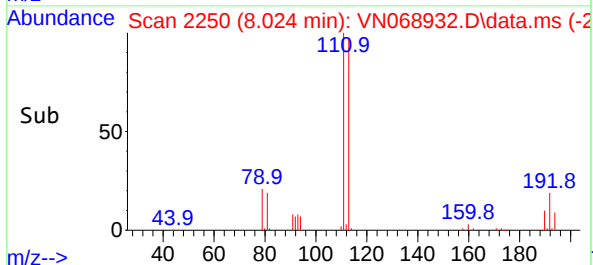
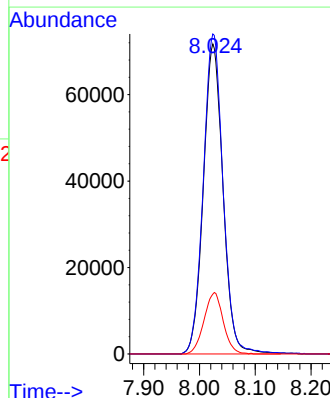
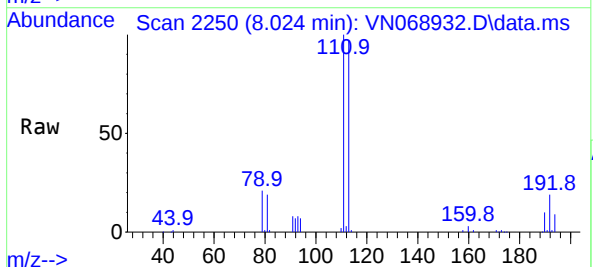
Instrument :
MSVOA_N
ClientSampled :

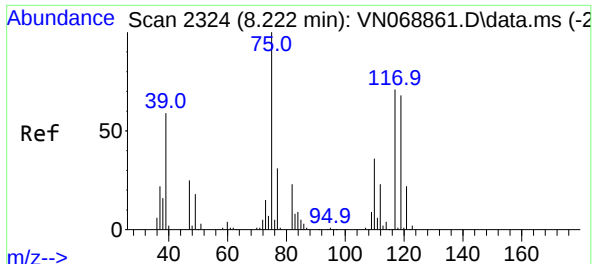
Tgt Ion:114 Resp: 589146
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion:113 Resp: 175455
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 19.4 15.0 22.4

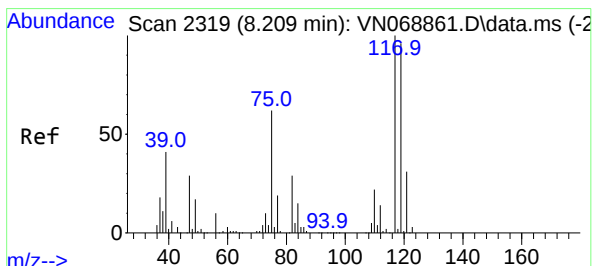
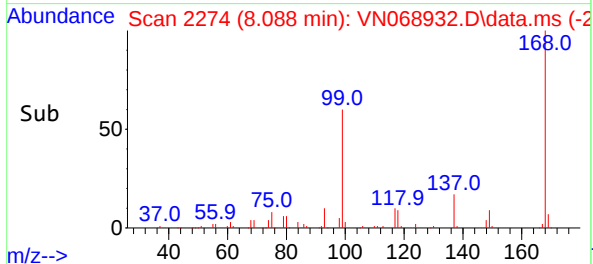
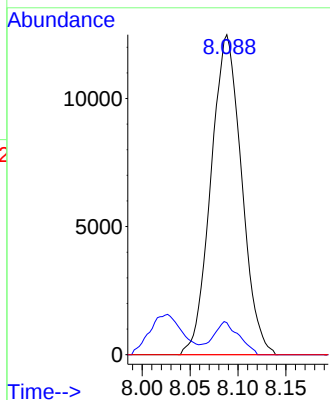
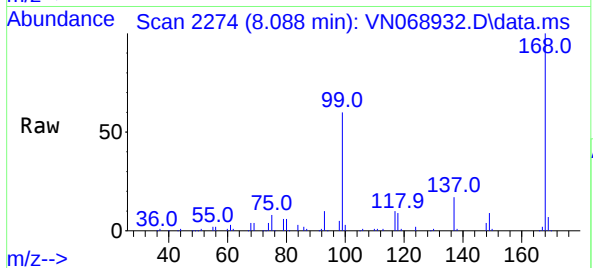




#36
1,1-Dichloropropene
Concen: 5.523 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

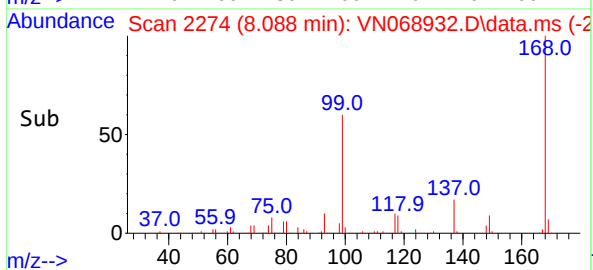
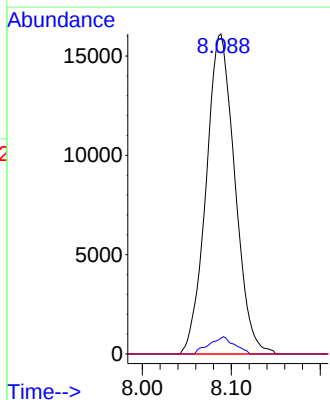
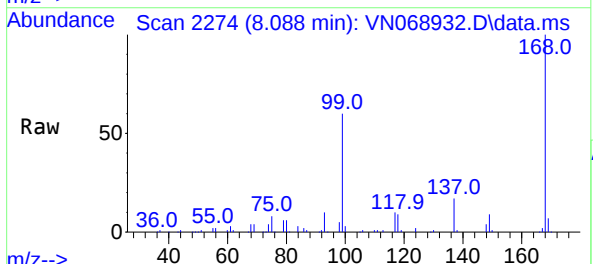
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MSVOA_N
ClientSampled :

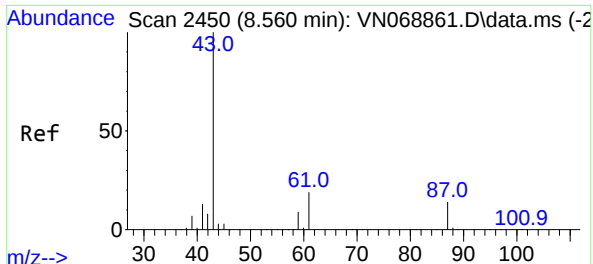
Tgt Ion:	75	Resp:	27794
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.9	53.8#
77	0.0	24.7	37.1#



#38
Carbon Tetrachloride
Concen: 6.533 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion:	117	Resp:	36105
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.9	115.3#
121	0.0	24.6	37.0#

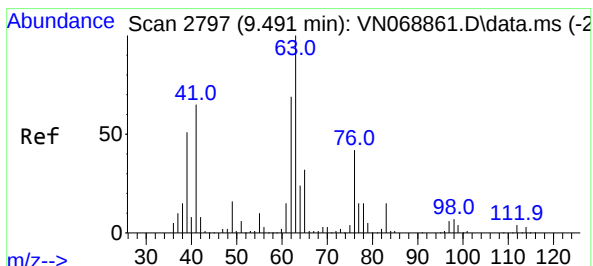
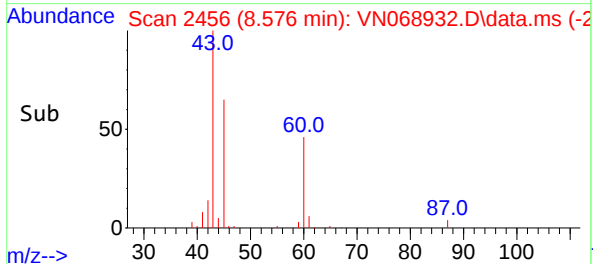
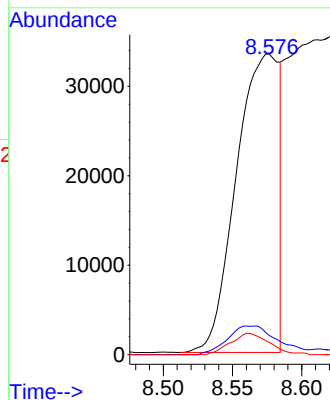
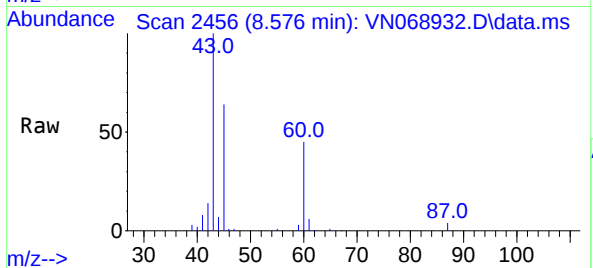




#43
Isopropyl Acetate
Concen: 7.817 ug/l
RT: 8.576 min Scan# 2456
Delta R.T. 0.016 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

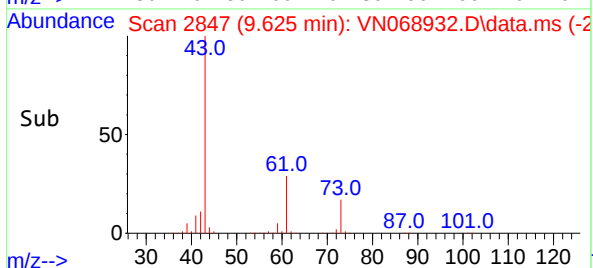
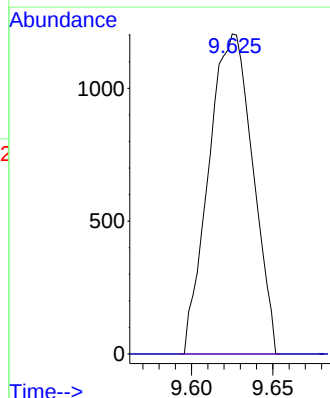
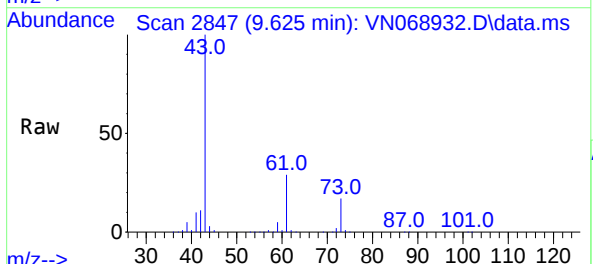
Instrument :
MSVOA_N
ClientSampled :

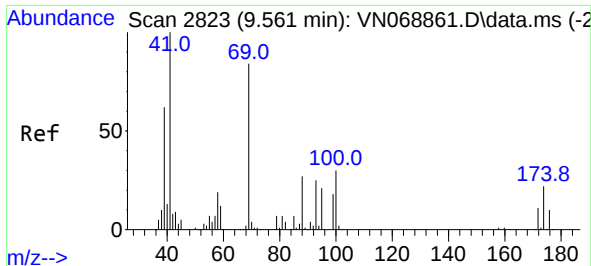
Tgt Ion: 43 Resp: 71678
Ion Ratio Lower Upper
43 100
61 11.3 20.4 30.6#
87 6.5 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.571 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 63 Resp: 2272
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

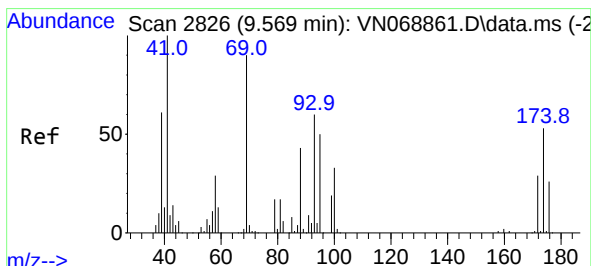
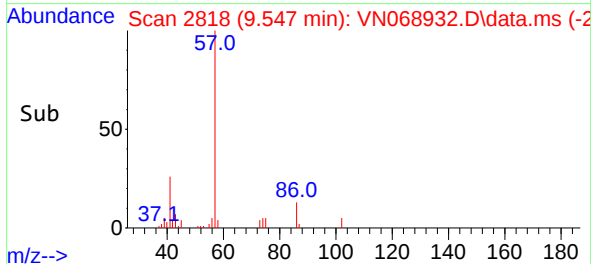
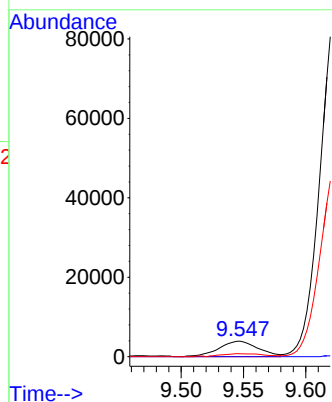
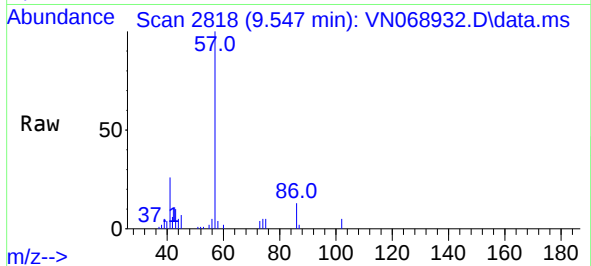




#48
Methyl methacrylate
Concen: 1.981 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

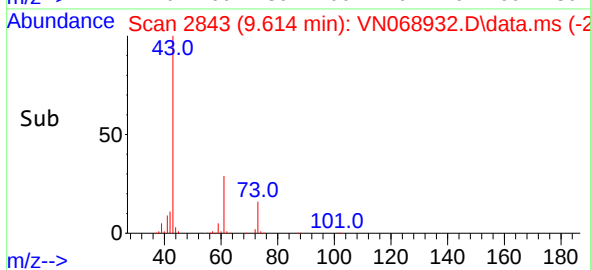
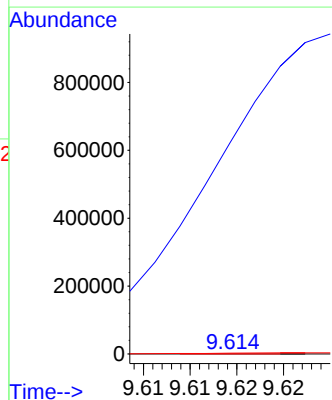
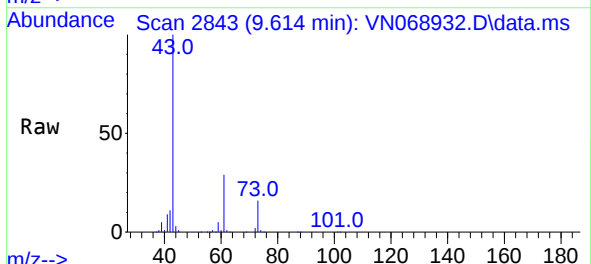
Instrument :
MSVOA_N
ClientSampled :

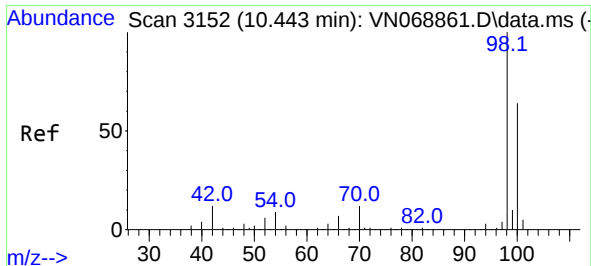
Tgt Ion: 41 Resp: 8537
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.219 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.045 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 56.9 85.3#

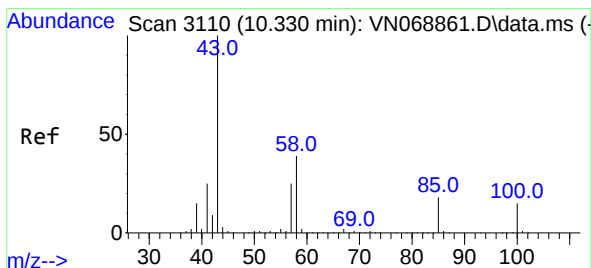
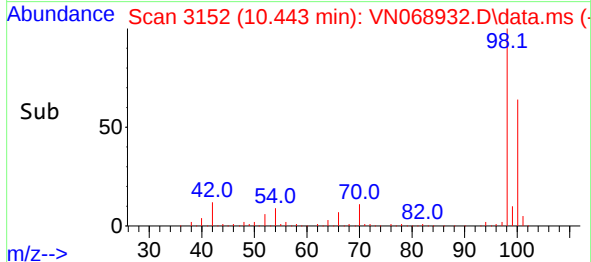
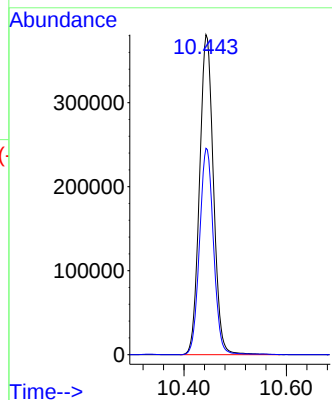
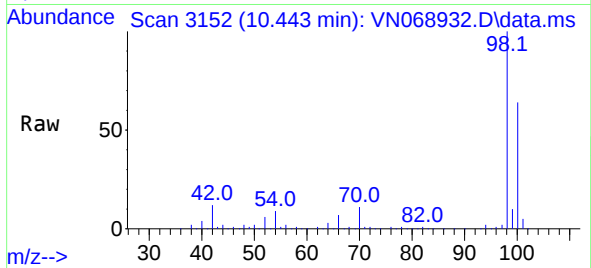




#50
Toluene-d8
Concen: 52.317 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

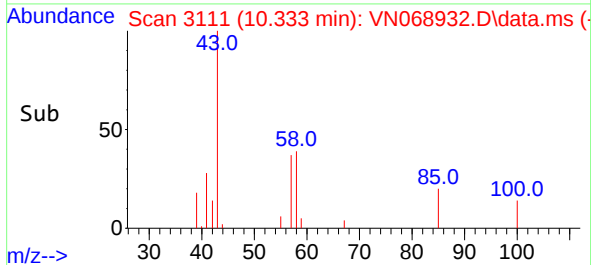
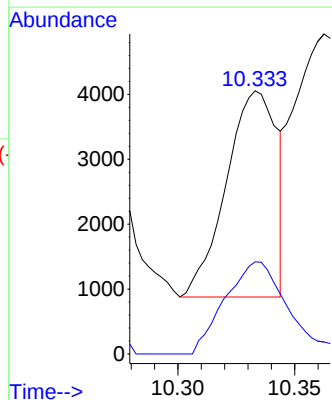
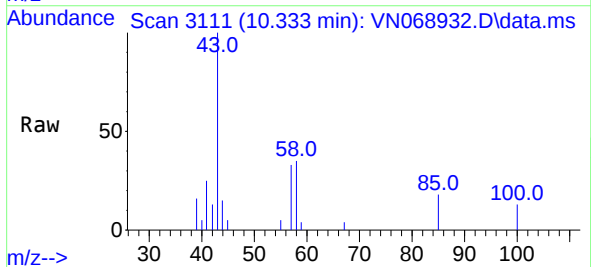
Instrument :
MSVOA_N
ClientSampled :

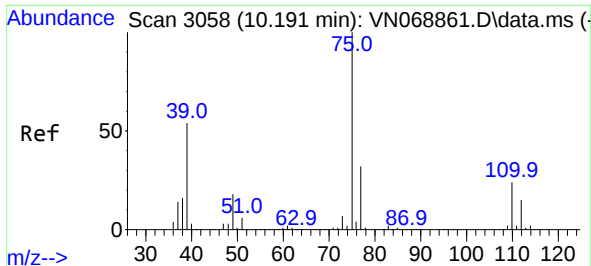
Tgt Ion: 98 Resp: 717513
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.900 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 43 Resp: 4785
Ion Ratio Lower Upper
43 100
58 54.4 31.0 46.4#

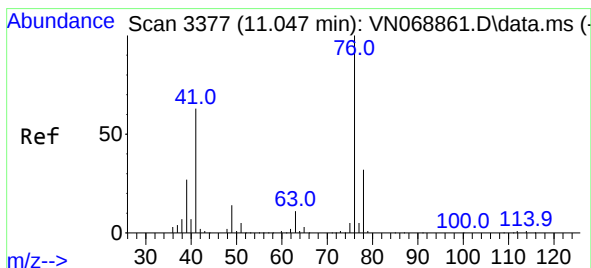
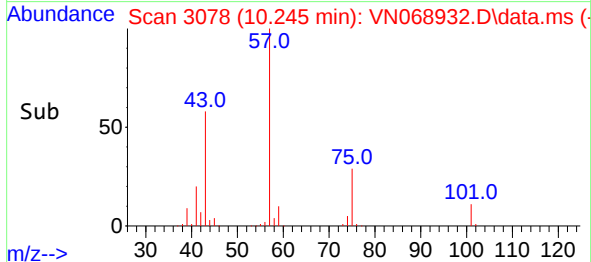
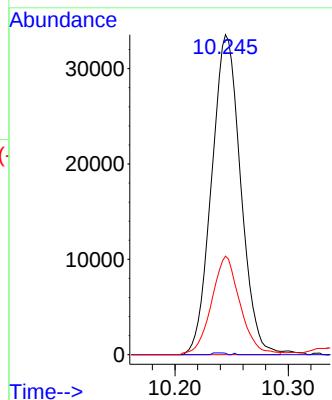
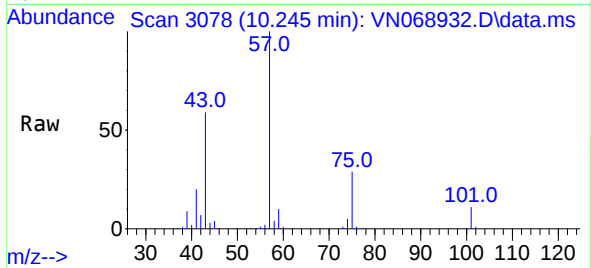




#54
cis-1,3-Dichloropropene
Concen: 8.999 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

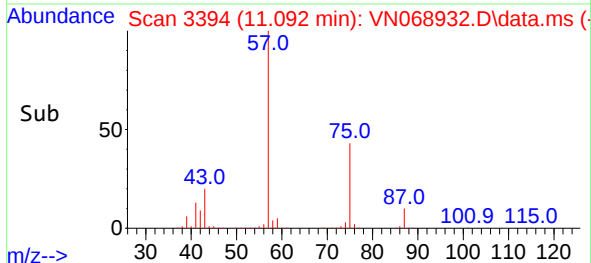
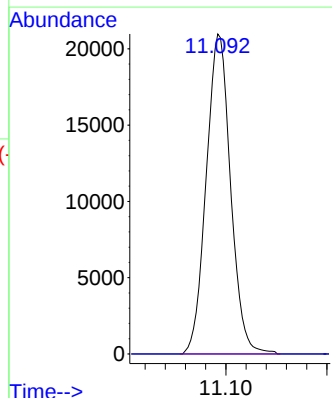
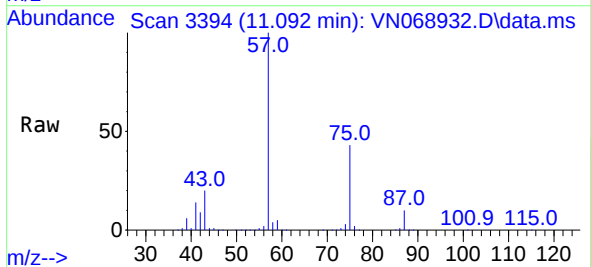
Instrument :
MSVOA_N
ClientSampled :

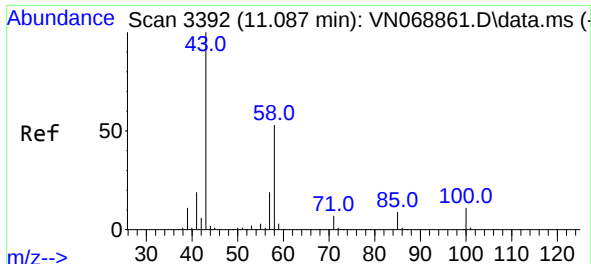
Tgt Ion: 75 Resp: 59655
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 30.8 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 5.480 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 76 Resp: 35124
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

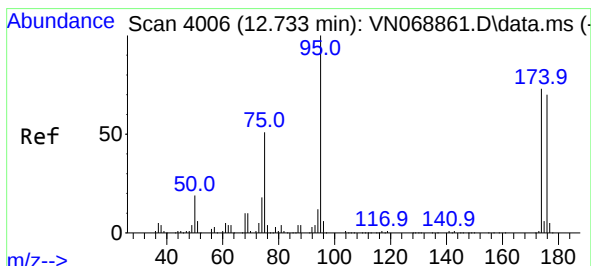
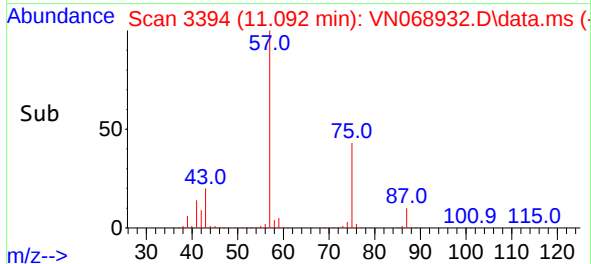
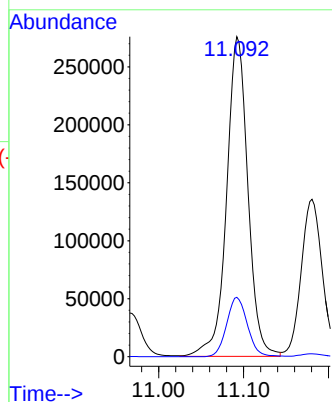
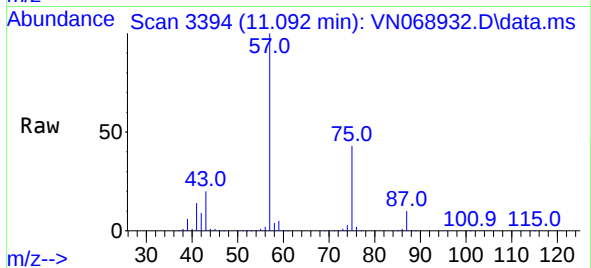




#59
2-Hexanone
Concen: 125.986 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

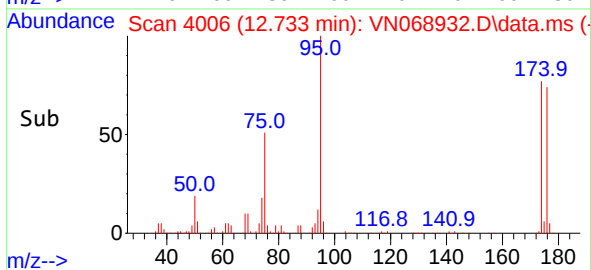
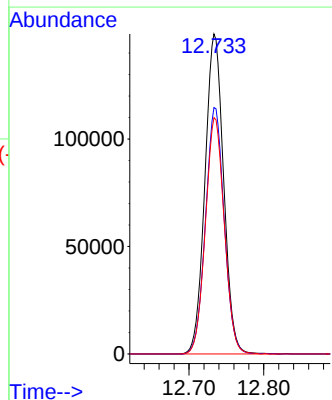
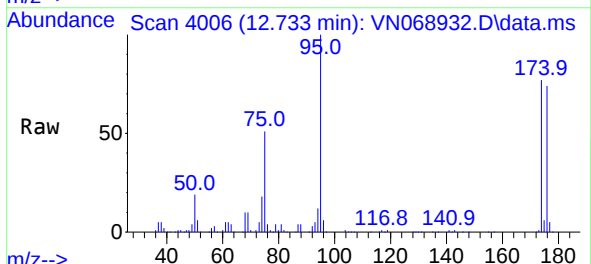
Instrument :
MSVOA_N
ClientSampled :

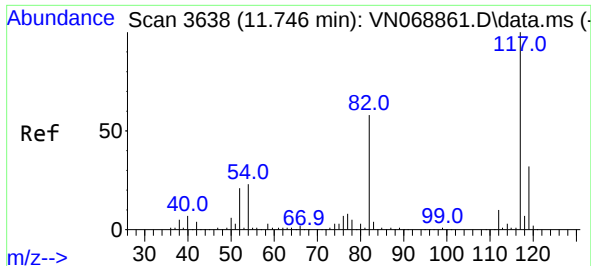
Tgt Ion: 43 Resp: 480399
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.853 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 95 Resp: 257963
Ion Ratio Lower Upper
95 100
174 77.0 0.0 144.8
176 74.7 0.0 140.0

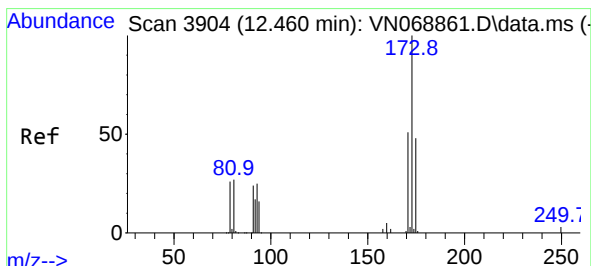
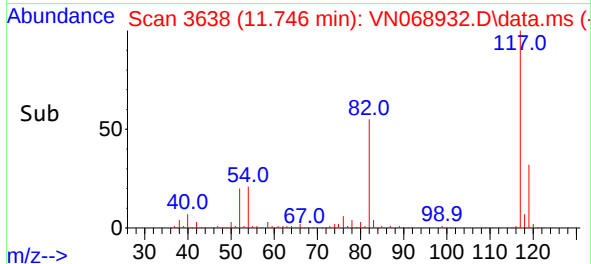
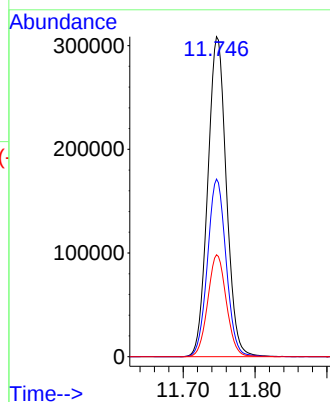
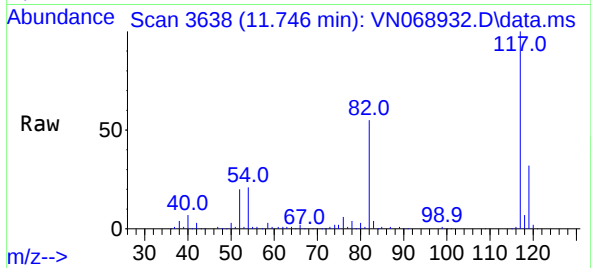




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

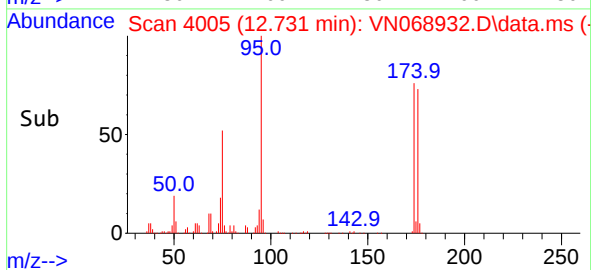
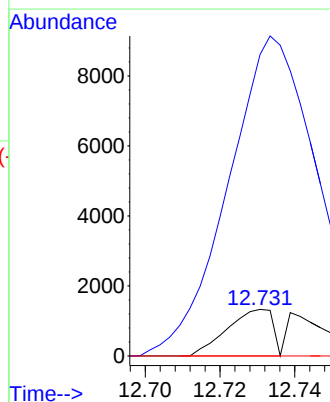
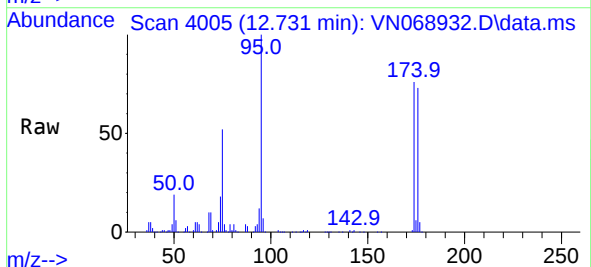
Instrument :
MSVOA_N
ClientSampled :

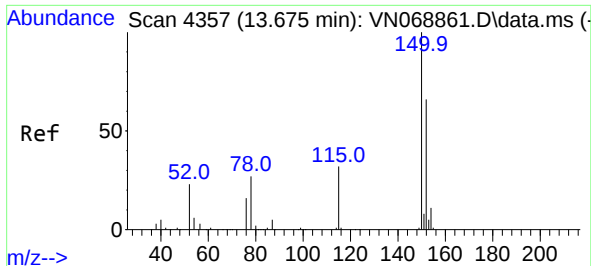
Tgt Ion:117 Resp: 555654
Ion Ratio Lower Upper
117 100
82 55.5 46.4 69.6
119 31.8 26.0 39.0



#71
Bromoform
Concen: 0.340 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion:173 Resp: 1122
Ion Ratio Lower Upper
173 100
175 1259.1 23.8 71.5#
254 0.0 0.0 0.0

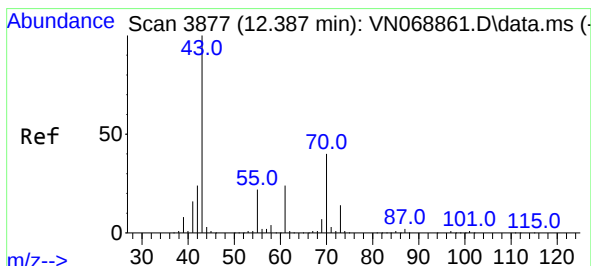
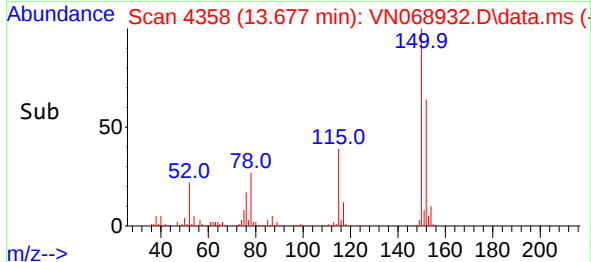
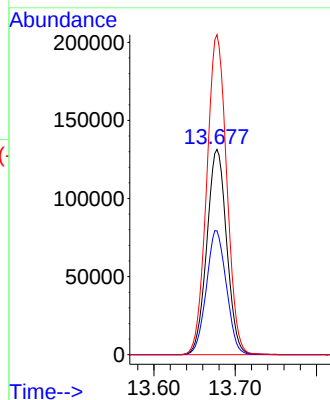
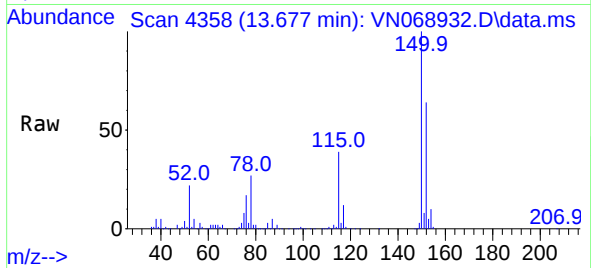




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

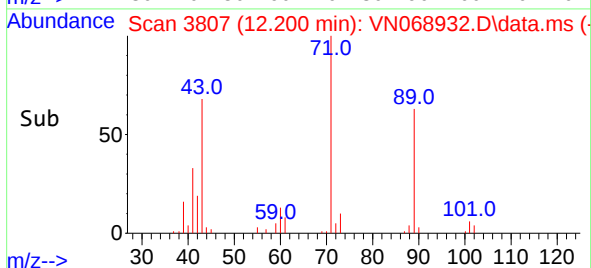
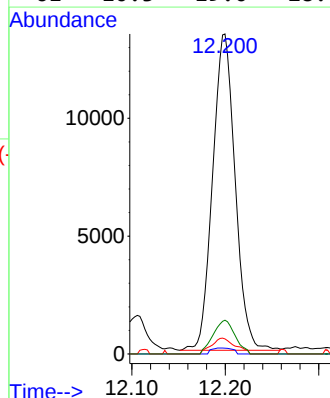
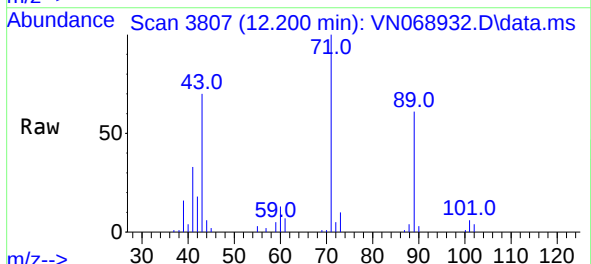
Instrument :
MSVOA_N
ClientSampled :

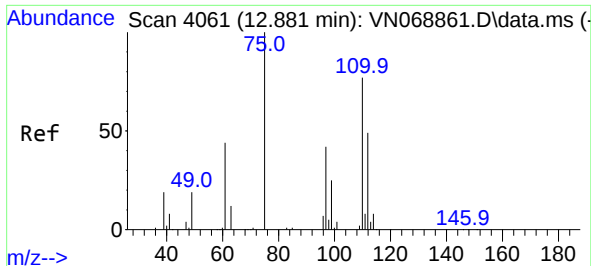
Tgt Ion:152 Resp: 223413
Ion Ratio Lower Upper
152 100
115 61.0 31.4 94.3
150 156.9 0.0 351.0



#74
N-ethyl acetate
Concen: 3.195 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 43 Resp: 22509
Ion Ratio Lower Upper
43 100
70 1.7 32.2 48.2#
55 5.3 18.0 27.0#
61 10.3 19.0 28.4#

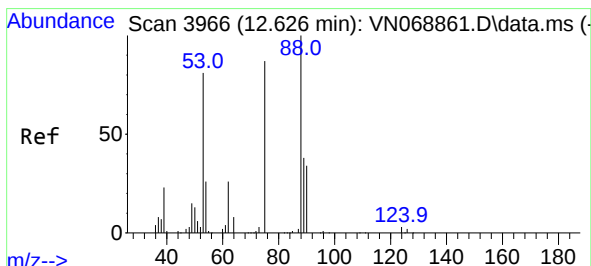
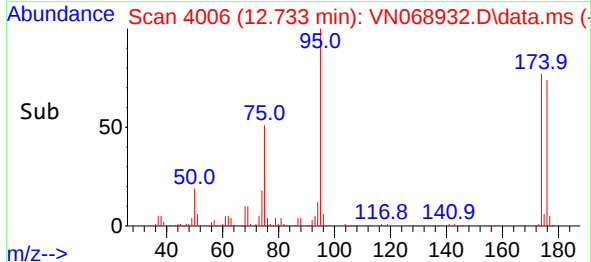
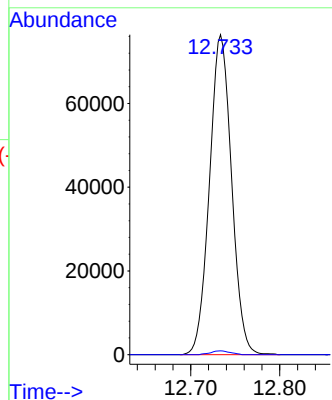
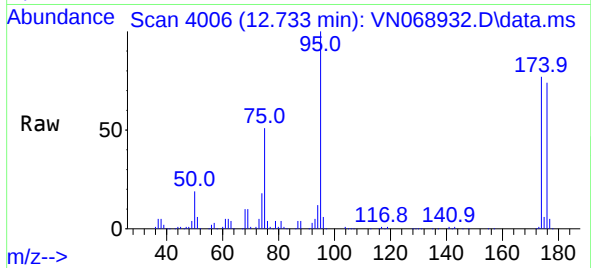




#76
1,2,3-Trichloropropane
Concen: 27.701 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

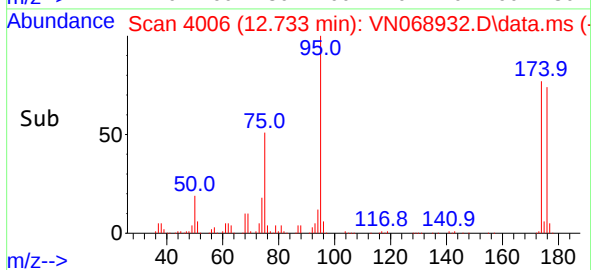
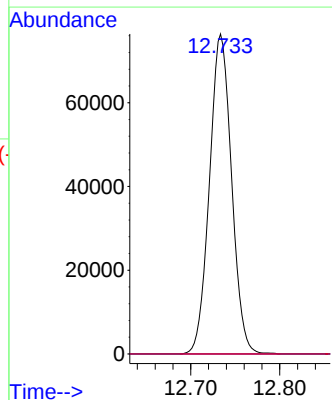
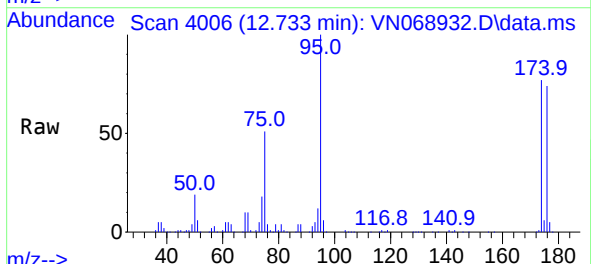
Instrument :
MSVOA_N
ClientSampled :

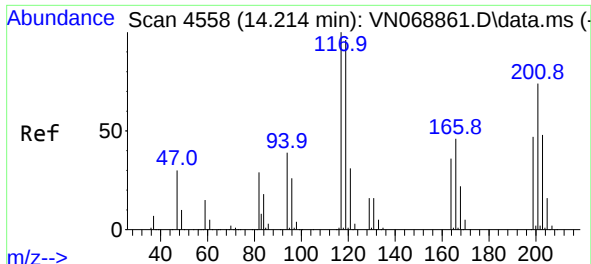
Tgt Ion: 75 Resp: 131680
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.273 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion: 75 Resp: 131680
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

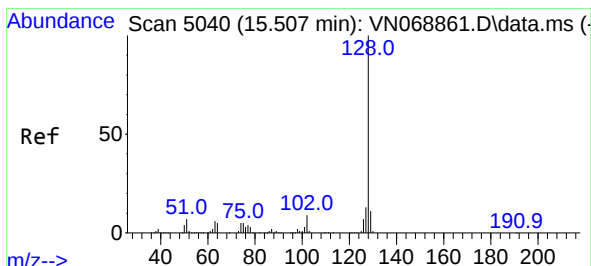
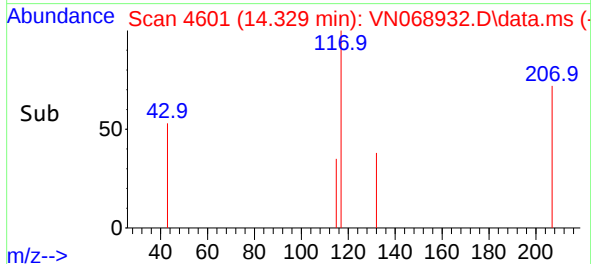
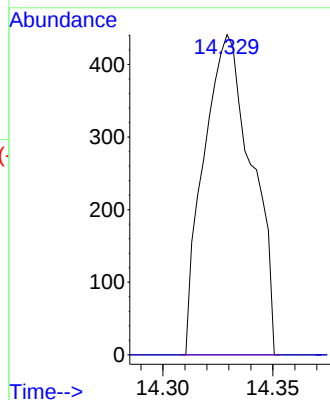
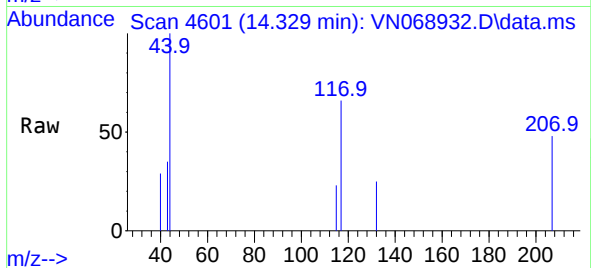




#90
Hexachloroethane
Concen: 0.213 ug/l
RT: 14.329 min Scan# 4601
Delta R.T. 0.115 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:117 Resp: 670
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#



#95
Naphthalene
Concen: 4.171 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068932.D
Acq: 14 Oct 2021 18:21

Tgt Ion:128 Resp: 4036
Ion Ratio Lower Upper
128 100
127 6.1 10.5 15.7#
129 4.4 8.9 13.3#

