

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068985.D
 Acq On : 18 Oct 2021 17:39
 Operator : JC/MD
 Sample : M4243-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:38:26 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)

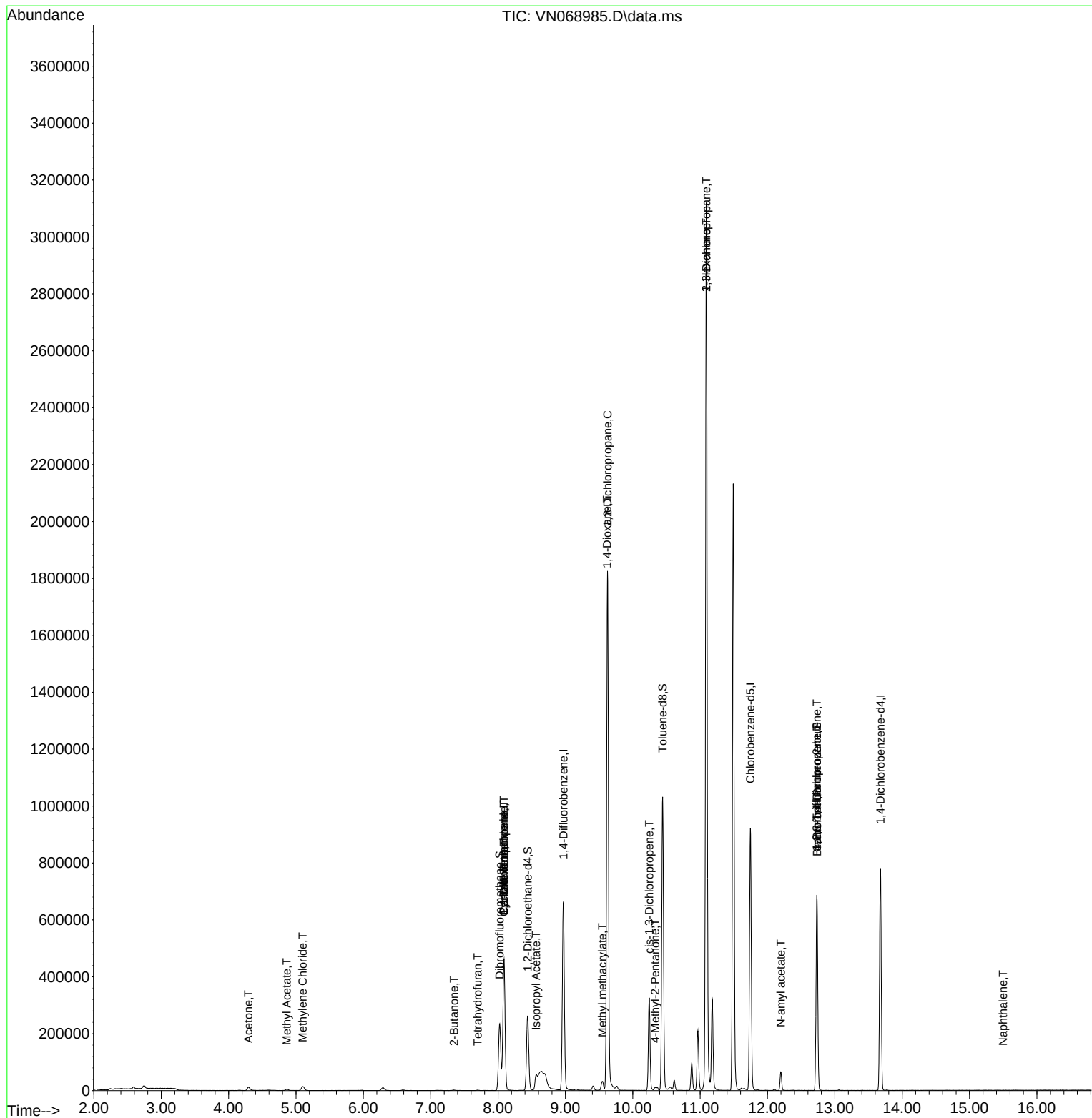
Internal Standards						
1) Pentafluorobenzene	8.088	168	341775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	589062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	555676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	208681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	224326	49.782	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.560%		
35) Dibromofluoromethane	8.024	113	175817	51.300	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.600%		
50) Toluene-d8	10.443	98	742476	54.145	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.280%		
62) 4-Bromofluorobenzene	12.734	95	255374	49.360	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.720%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	22141	13.166	ug/l	97
18) Methyl Acetate	4.865	43	10440	1.637	ug/l #	80
20) Methylene Chloride	5.098	84	12557	3.244	ug/l	92
25) 2-Butanone	7.346	43	3370	1.325	ug/l	98
29) Tetrahydrofuran	7.697	42	746	0.452	ug/l #	60
31) Cyclohexane	8.086	56	7885	1.125	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28425	5.649	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36386	6.585	ug/l #	15
43) Isopropyl Acetate	8.563	43	60031	6.547	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	2447	0.615	ug/l #	43
48) Methyl methacrylate	9.547	41	8678	2.014	ug/l #	13
49) 1,4-Dioxane	9.620	88	96	36.736	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	5014	0.943	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	62762	9.469	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	33179	5.177	ug/l #	42
59) 2-Hexanone	11.092	43	482704	126.609	ug/l #	50
71) Bromoform	12.736	173	1305	0.396	ug/l #	1
74) N-amyl acetate	12.197	43	21107	3.207	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	130954	29.493	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	130954	70.561	ug/l #	12
95) Naphthalene	15.499	128	50	3.816	ug/l #	69

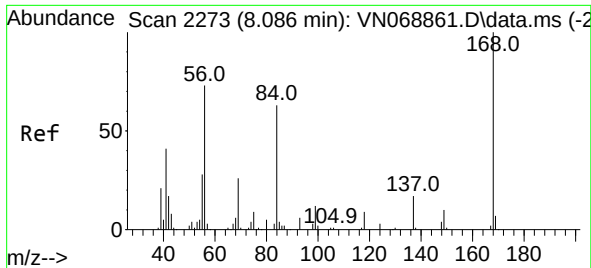
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

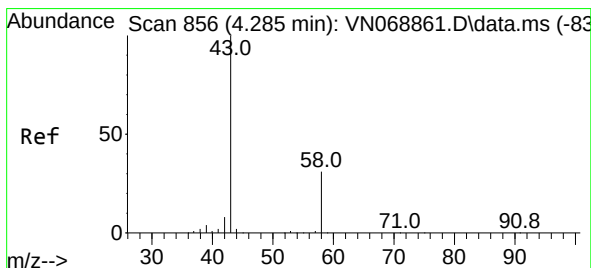
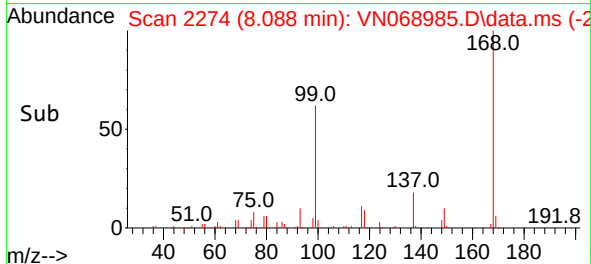
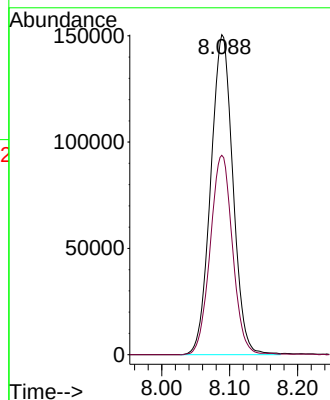
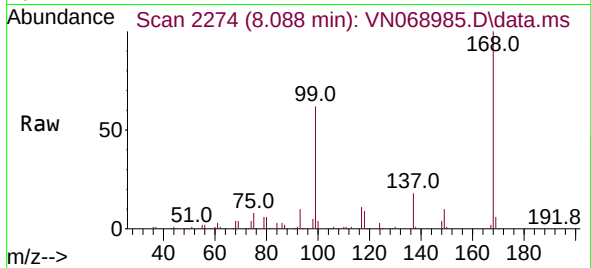




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

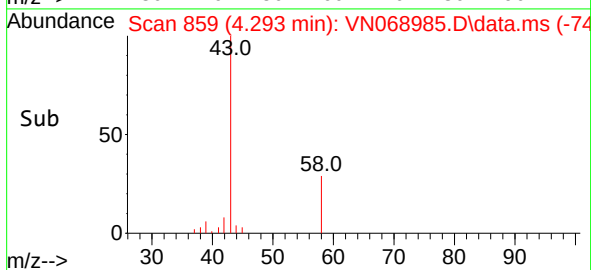
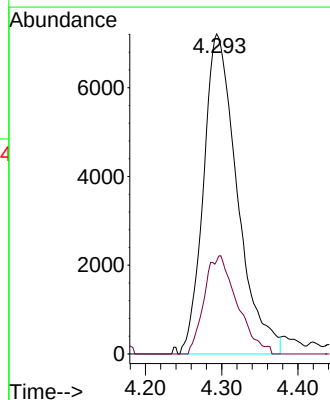
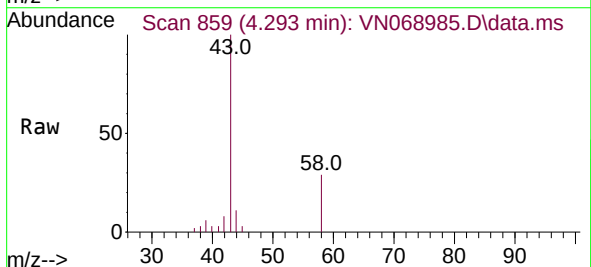
Instrument :
MSVOA_N
ClientSampled :

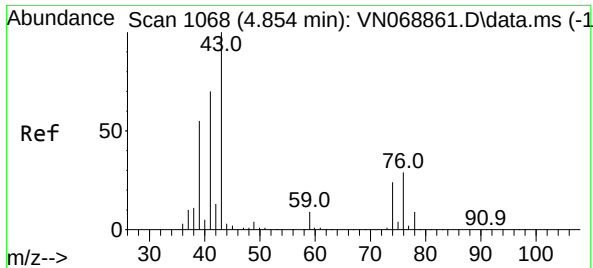
Tgt Ion:168 Resp: 341775
Ion Ratio Lower Upper
168 100
99 62.3 48.9 73.3



#16
Acetone
Concen: 13.166 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 43 Resp: 22141
Ion Ratio Lower Upper
43 100
58 29.0 24.5 36.7

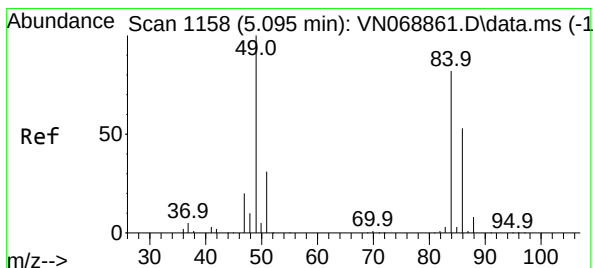
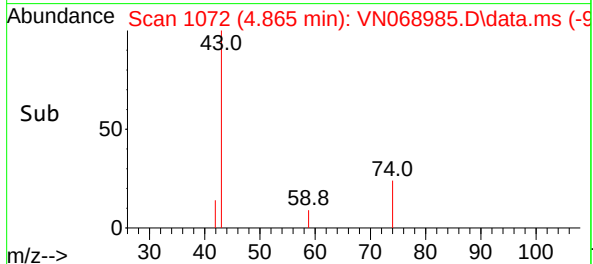
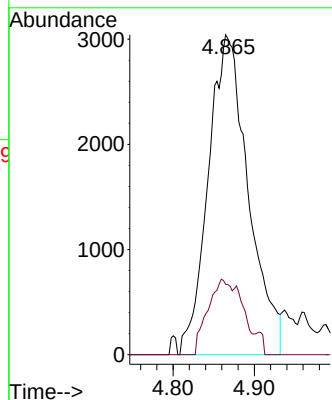
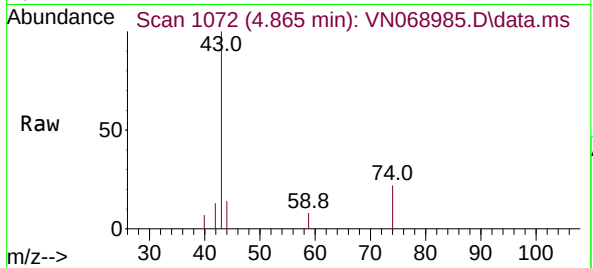




#18
Methyl Acetate
Concen: 1.637 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

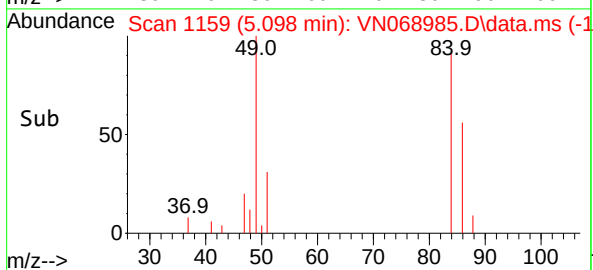
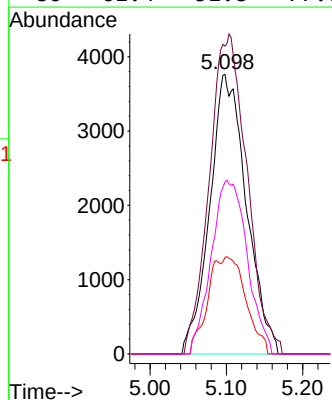
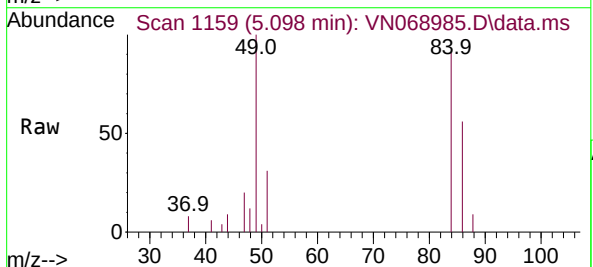
Instrument :
MSVOA_N
ClientSampled :

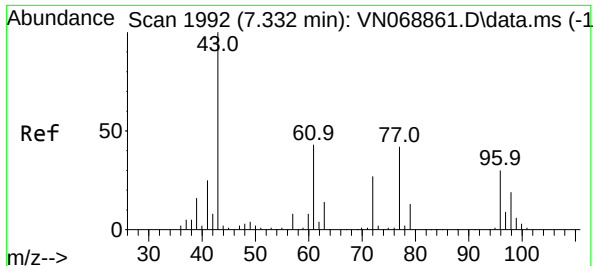
Tgt Ion: 43 Resp: 10440
Ion Ratio Lower Upper
43 100
74 13.6 18.9 28.3#



#20
Methylene Chloride
Concen: 3.244 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 84 Resp: 12557
Ion Ratio Lower Upper
84 100
49 110.1 97.6 146.4
51 34.6 30.3 45.5
86 61.4 51.8 77.6

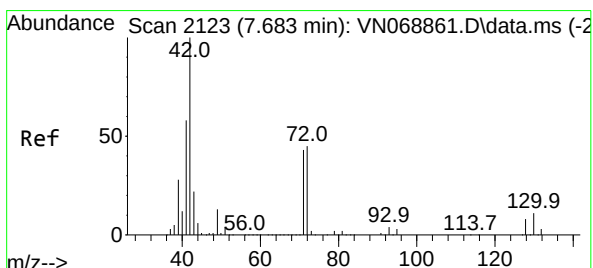
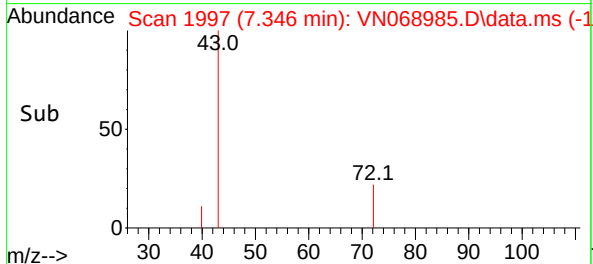
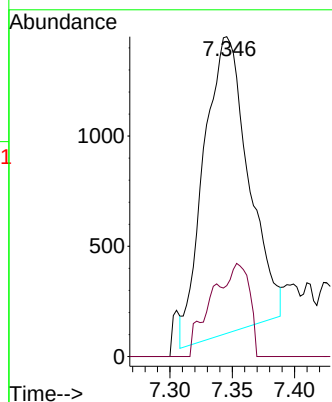
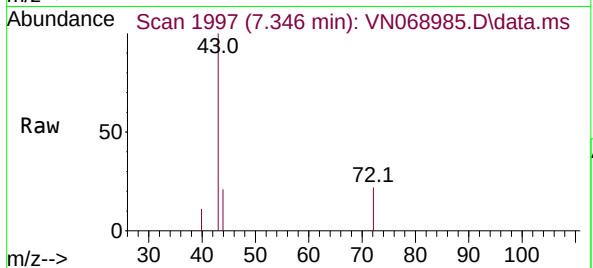




#25
2-Butanone
Concen: 1.325 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

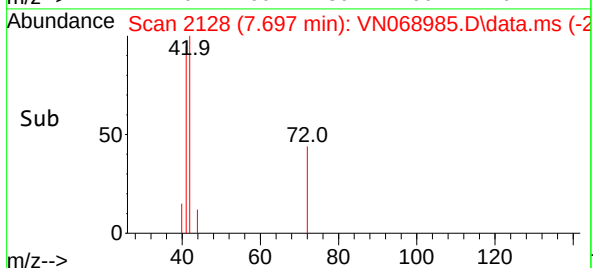
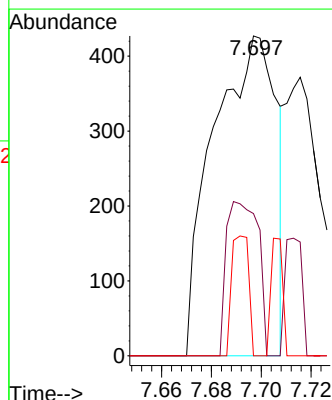
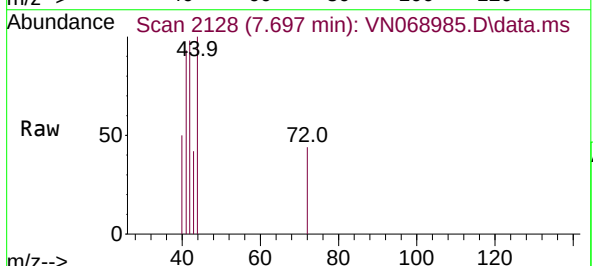
Instrument :
MSVOA_N
ClientSampled :

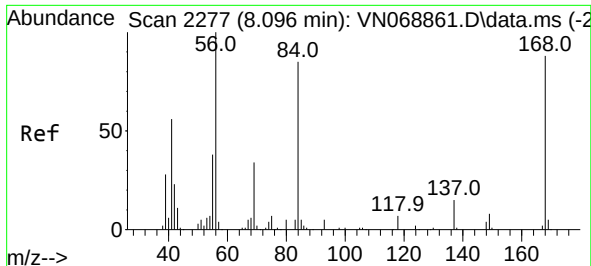
Tgt Ion: 43 Resp: 3370
Ion Ratio Lower Upper
43 100
72 25.4 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.452 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.014 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 42 Resp: 746
Ion Ratio Lower Upper
42 100
72 24.5 35.4 53.2#
71 10.2 33.8 50.6#

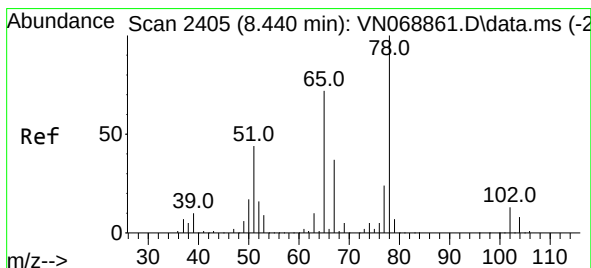
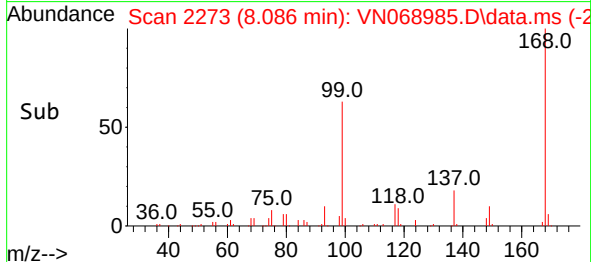
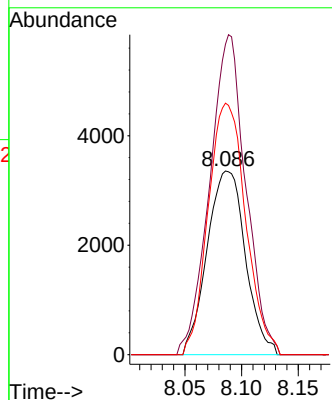
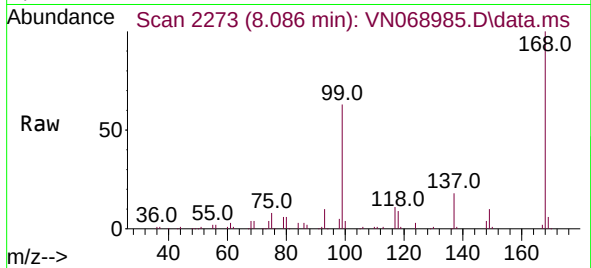




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

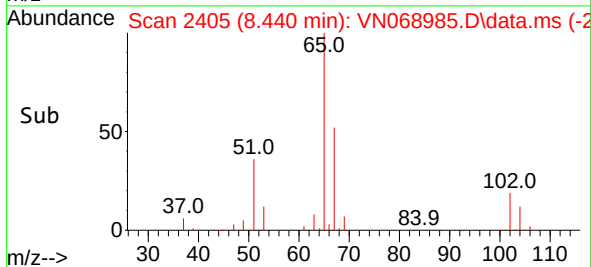
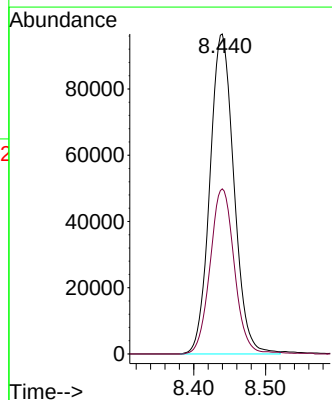
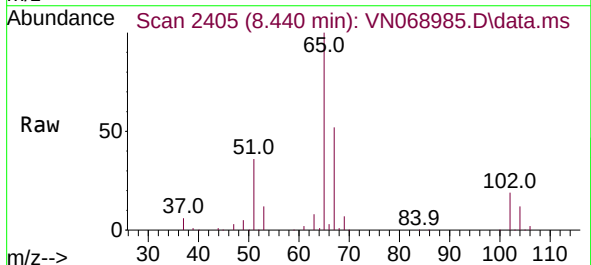
Instrument :
MSVOA_N
ClientSampled :

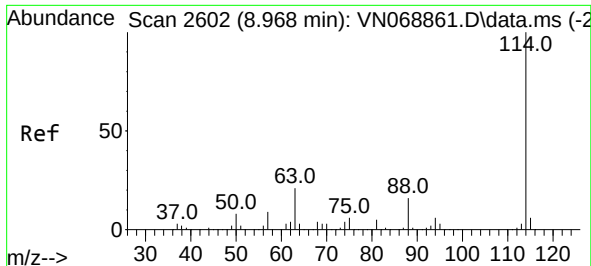
Tgt Ion: 56 Resp: 7885
Ion Ratio Lower Upper
56 100
69 168.9 26.9 40.3#
84 136.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.782 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 65 Resp: 224326
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

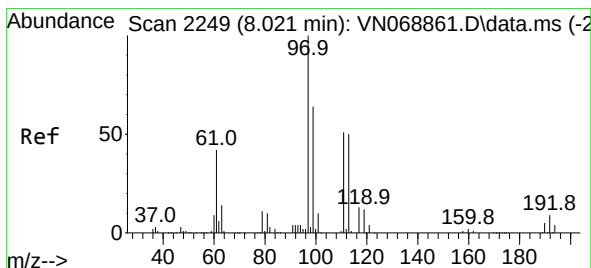
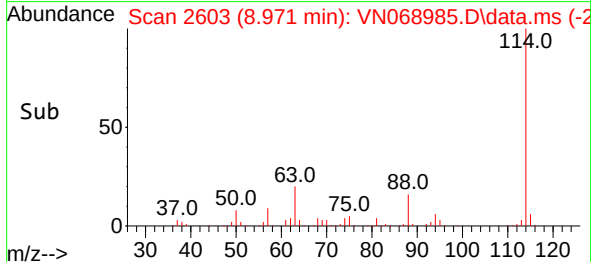
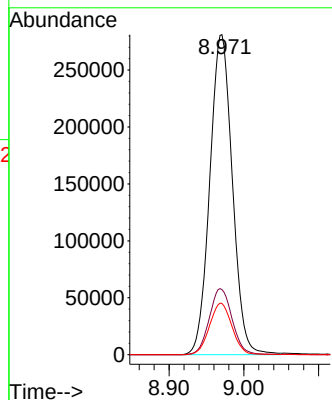
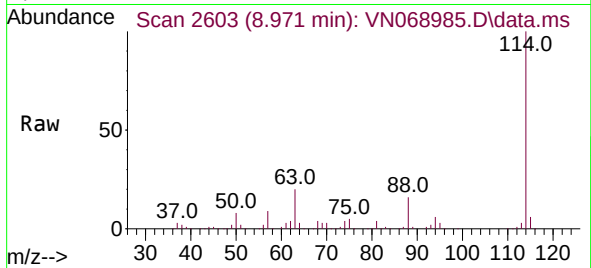




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

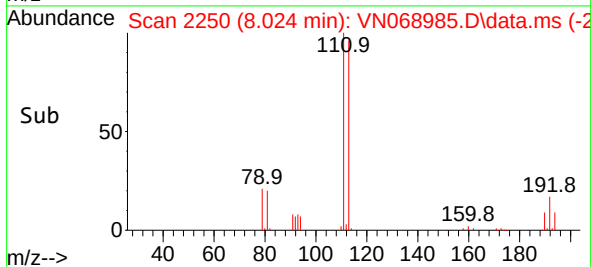
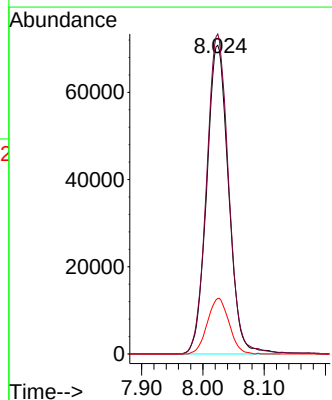
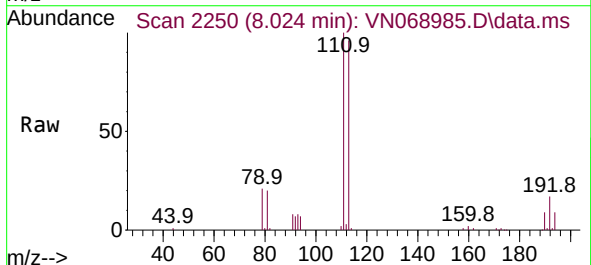
Instrument :
MSVOA_N
ClientSampled :

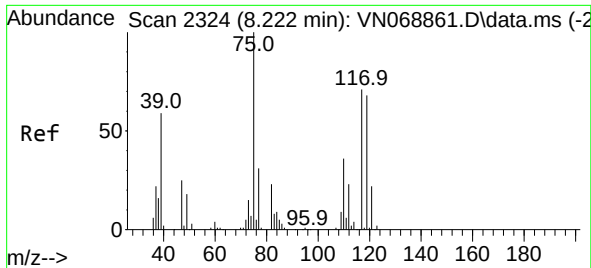
Tgt Ion:114 Resp: 589062
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.300 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion:113 Resp: 175817
Ion Ratio Lower Upper
113 100
111 104.3 83.2 124.8
192 17.8 15.0 22.4

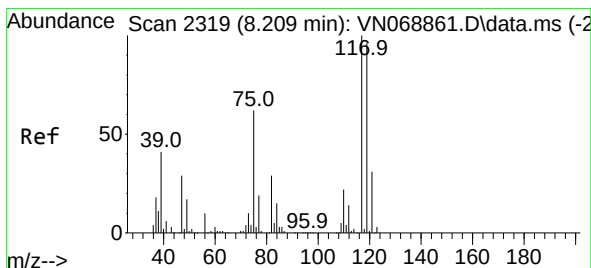
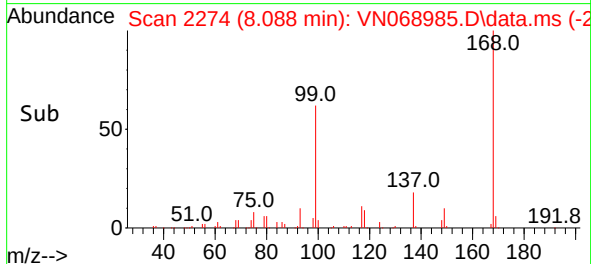
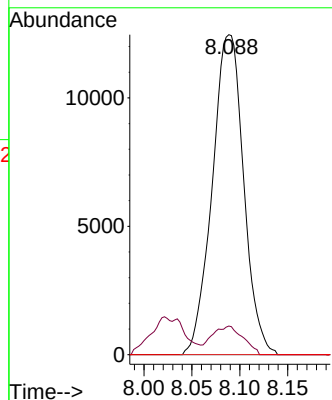
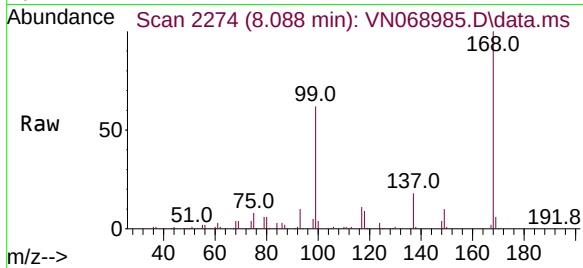




#36
1,1-Dichloropropene
Concen: 5.649 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

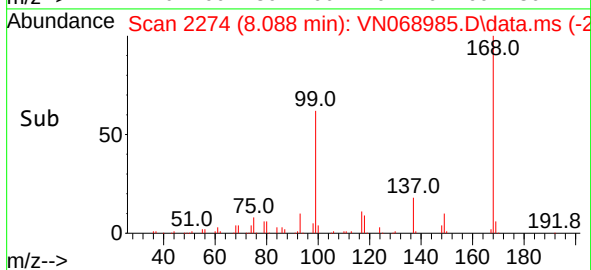
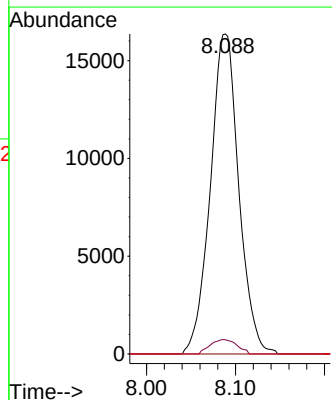
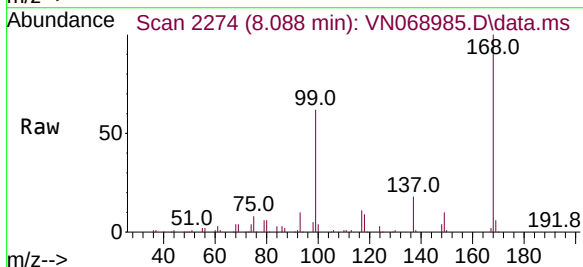
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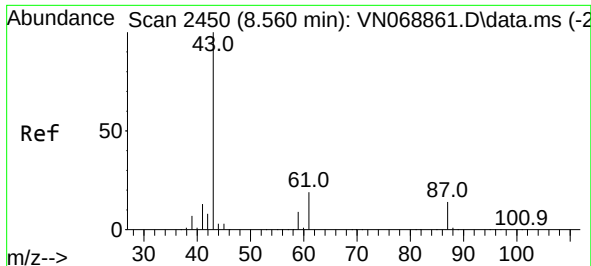
Tgt Ion: 75 Resp: 28425
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.585 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 117 Resp: 36386
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#

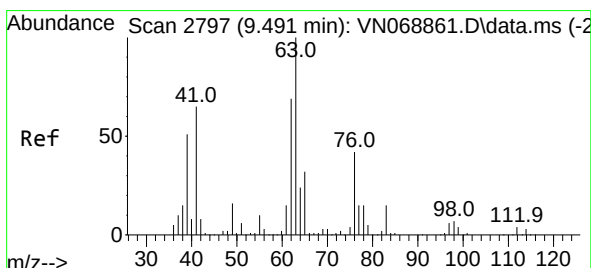
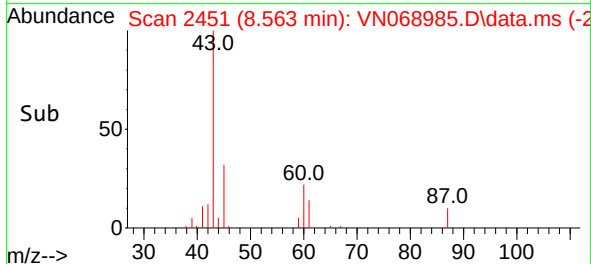
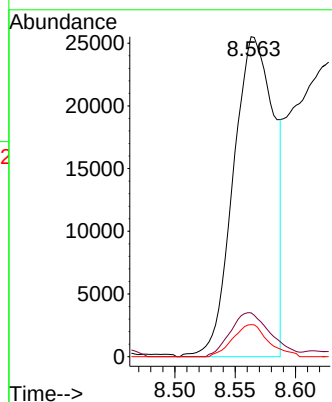
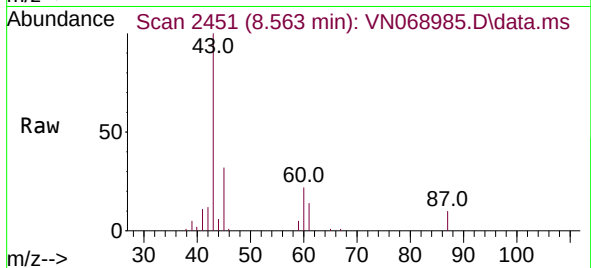




#43
Isopropyl Acetate
Concen: 6.547 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

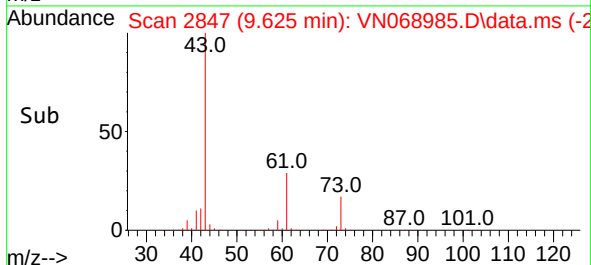
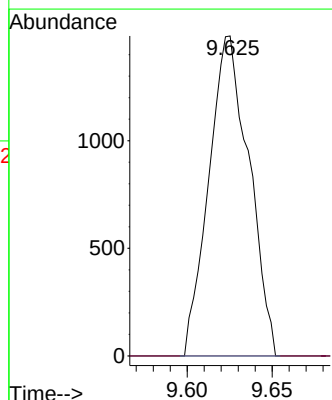
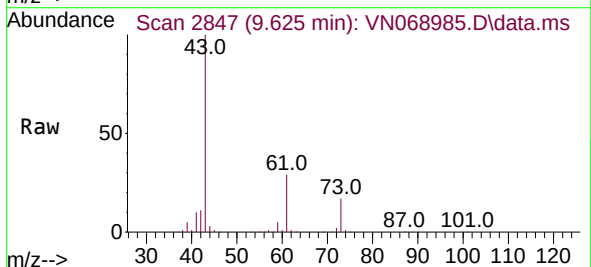
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ClientSampled :

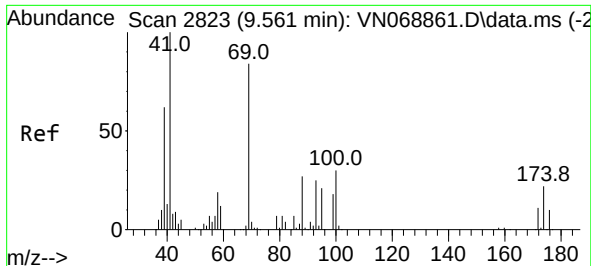
Tgt Ion: 43 Resp: 60031
Ion Ratio Lower Upper
43 100
61 13.6 20.4 30.6#
87 8.7 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.615 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 63 Resp: 2447
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

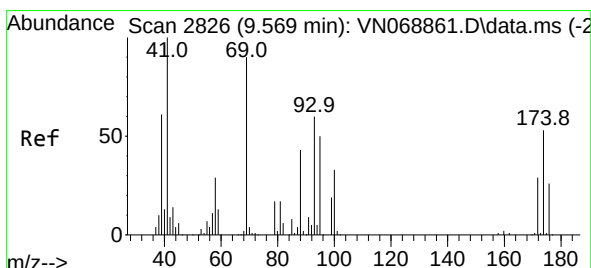
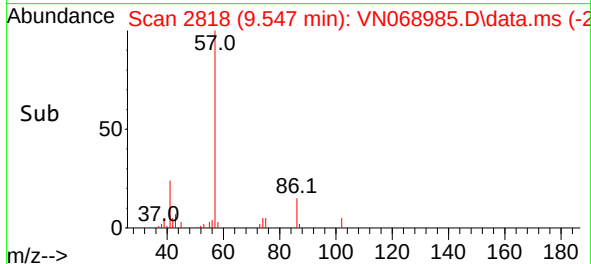
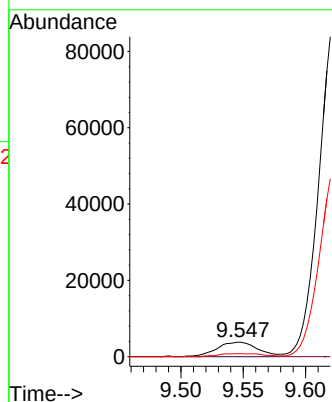
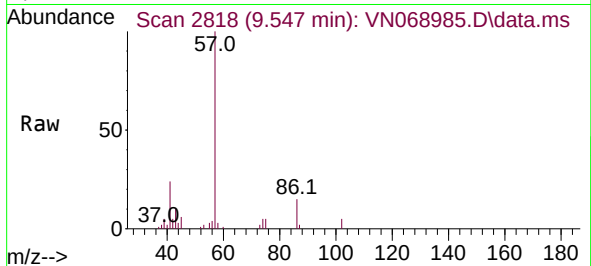




#48
Methyl methacrylate
Concen: 2.014 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

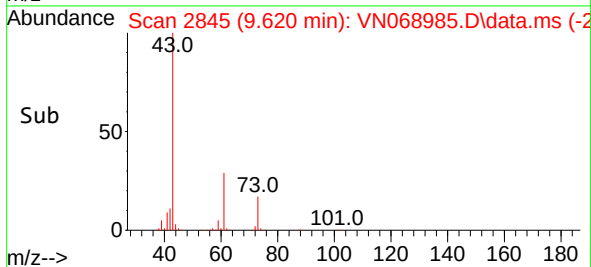
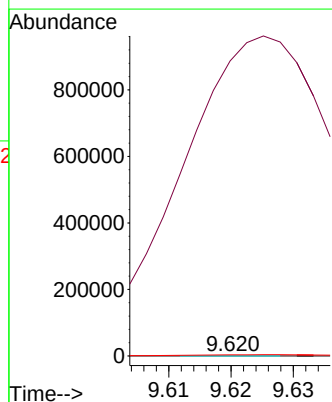
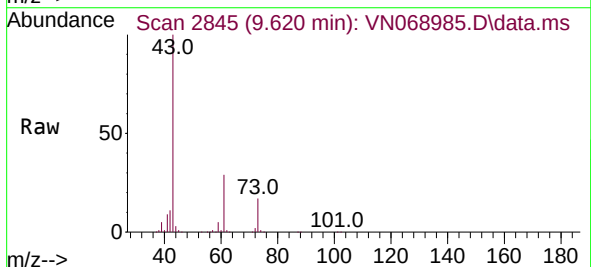
Instrument :
MSVOA_N
ClientSampled :

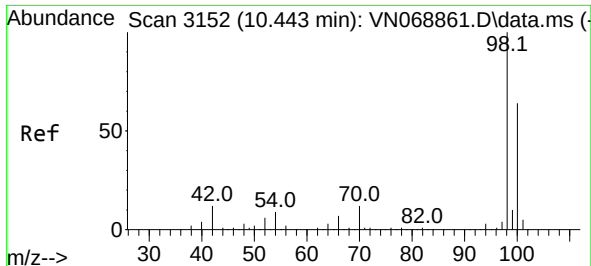
Tgt Ion: 41 Resp: 8678
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.736 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 1930293.8 24.9 37.3#
58 7225.0 56.9 85.3#

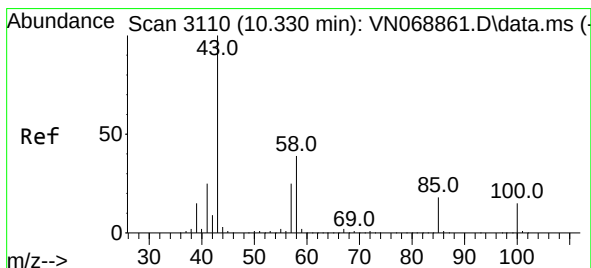
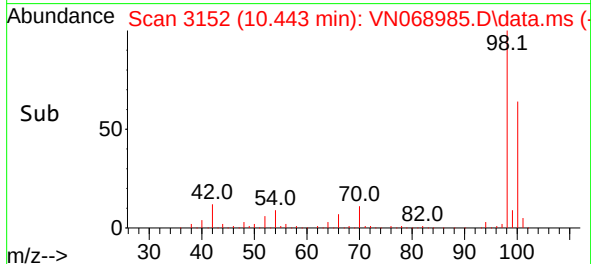
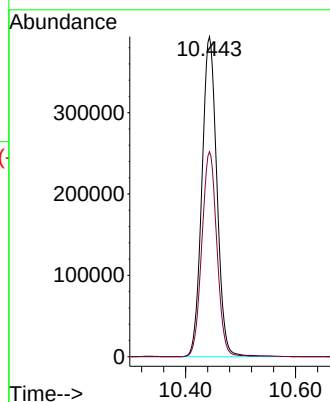
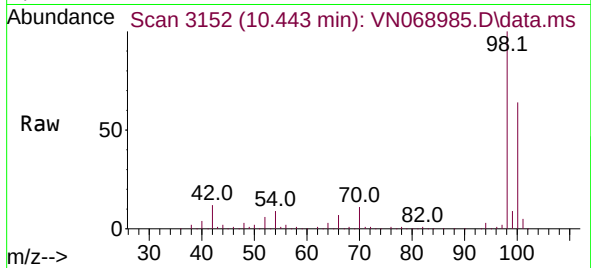




#50
Toluene-d8
Concen: 54.145 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

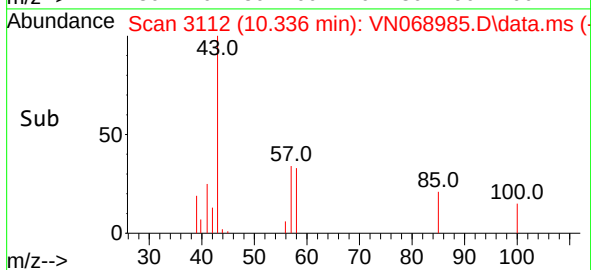
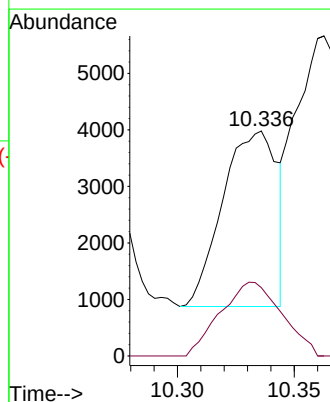
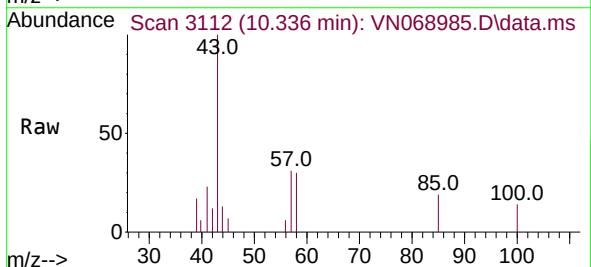
Instrument :
MSVOA_N
ClientSampled :

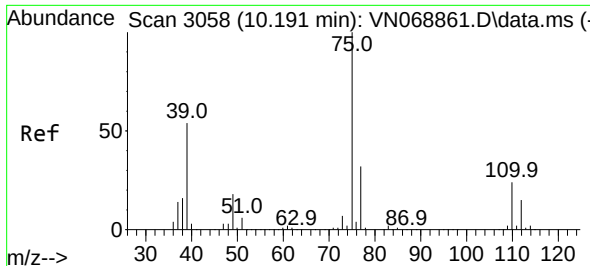
Tgt Ion: 98 Resp: 742476
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.943 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 43 Resp: 5014
Ion Ratio Lower Upper
43 100
58 47.5 31.0 46.4#

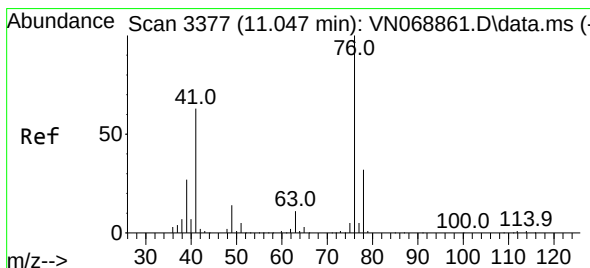
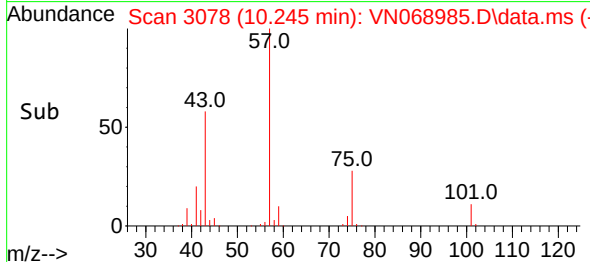
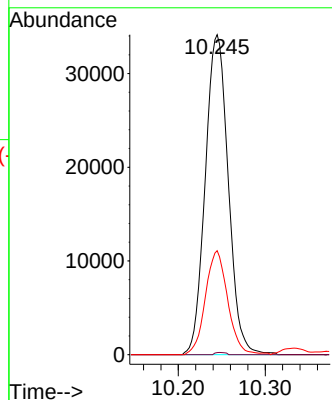
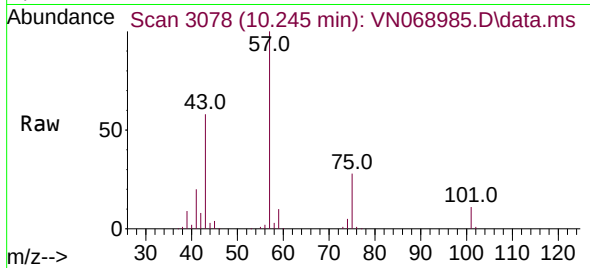




#54
 cis-1,3-Dichloropropene
 Concen: 9.469 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068985.D
 Acq: 18 Oct 2021 17:39

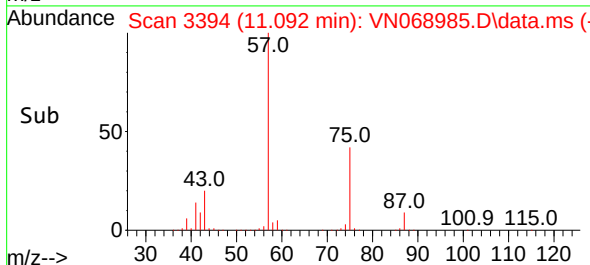
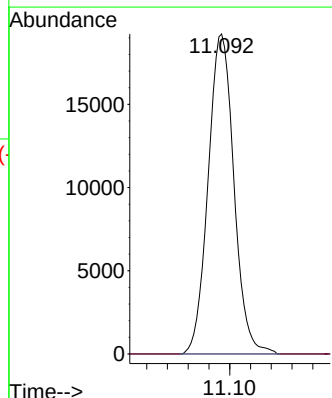
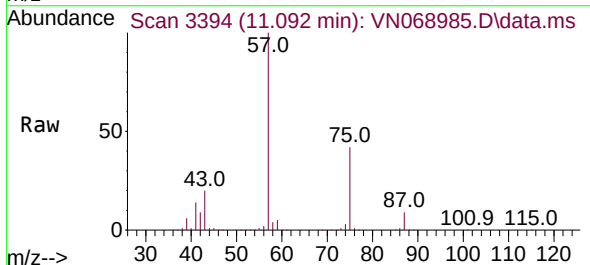
Instrument :
 MSVOA_N
 ClientSampled :

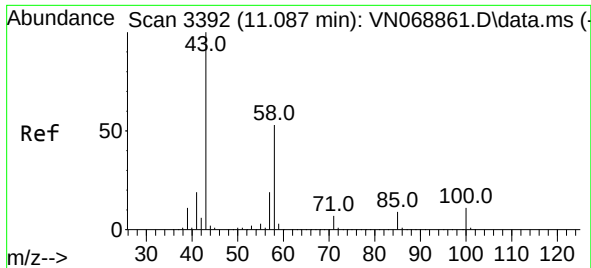
Tgt Ion: 75 Resp: 62762
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.6 38.4#
 39 32.5 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.177 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068985.D
 Acq: 18 Oct 2021 17:39

Tgt Ion: 76 Resp: 33179
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

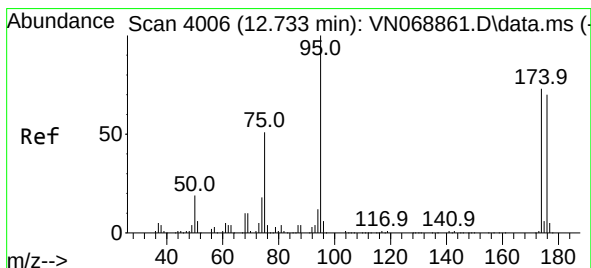
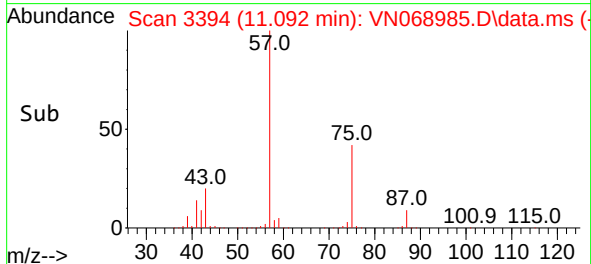
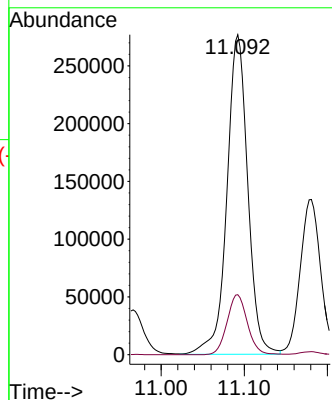
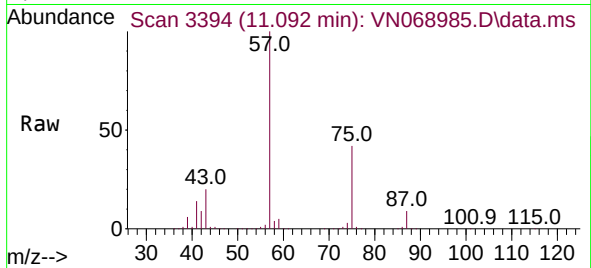




#59
2-Hexanone
Concen: 126.609 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

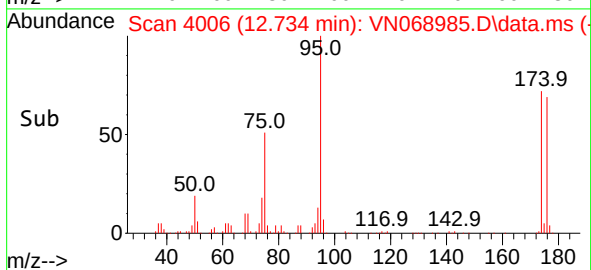
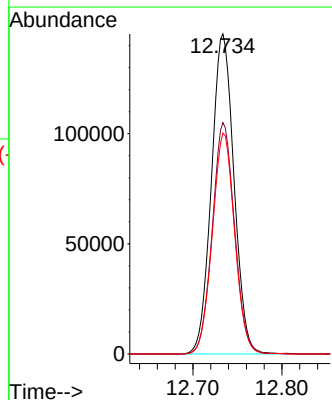
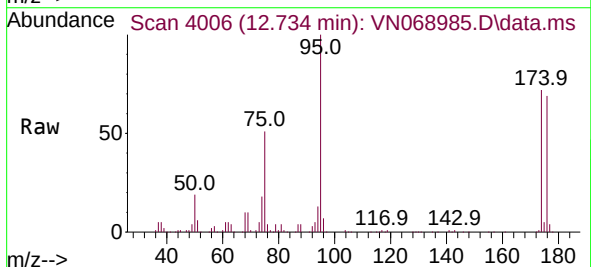
Instrument :
MSVOA_N
ClientSampled :

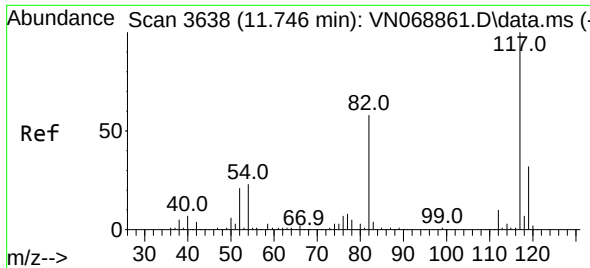
Tgt Ion: 43 Resp: 482704
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.360 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion: 95 Resp: 255374
Ion Ratio Lower Upper
95 100
174 71.4 0.0 144.8
176 68.3 0.0 140.0

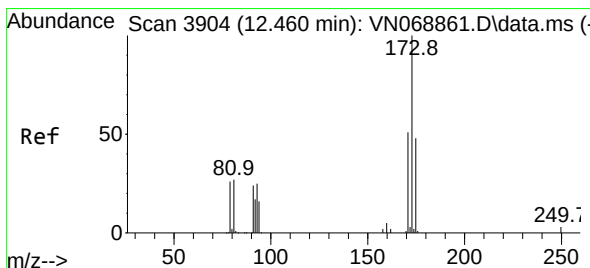
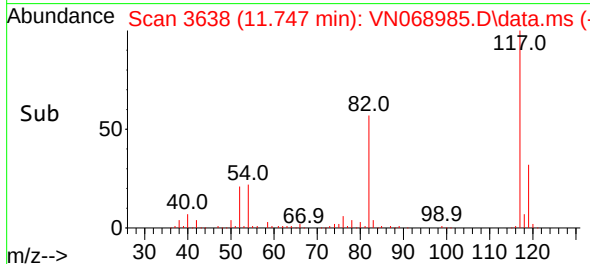
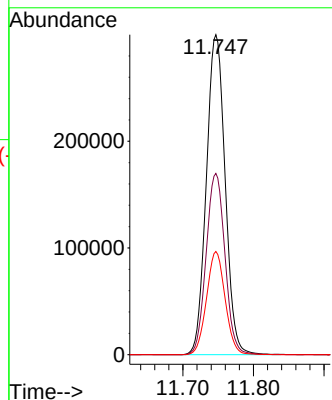
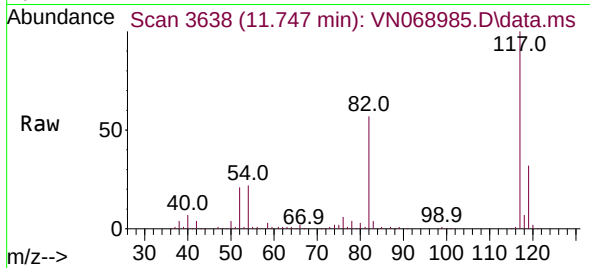




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

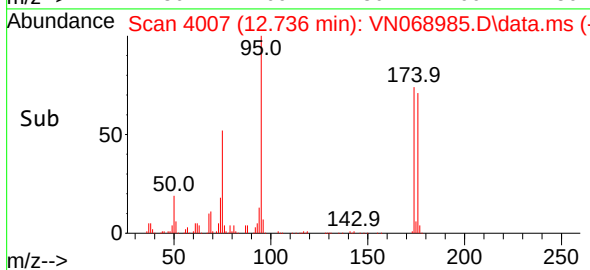
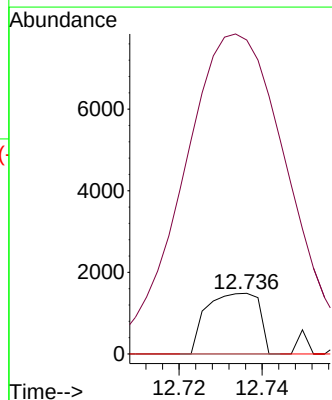
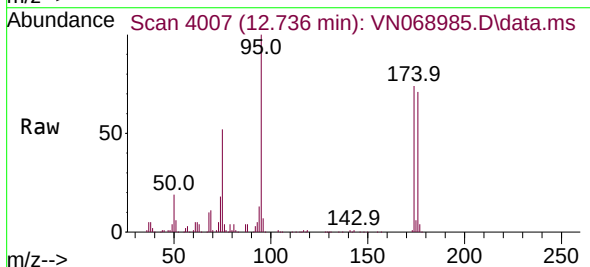
Instrument :
MSVOA_N
ClientSampled :

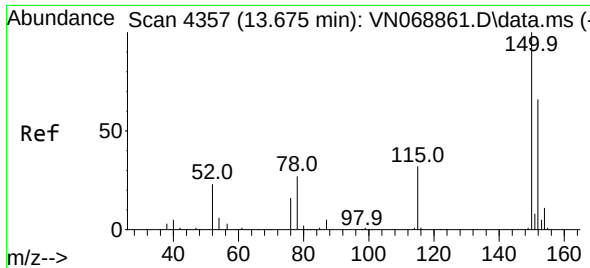
Tgt Ion:117 Resp: 555676
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 32.2 26.0 39.0



#71
Bromoform
Concen: 0.396 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Tgt Ion:173 Resp: 1305
Ion Ratio Lower Upper
173 100
175 991.9 23.8 71.5#
254 0.0 0.0 0.0

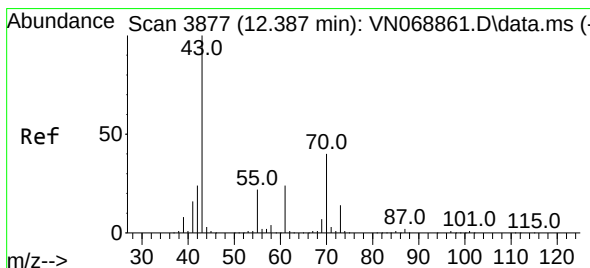
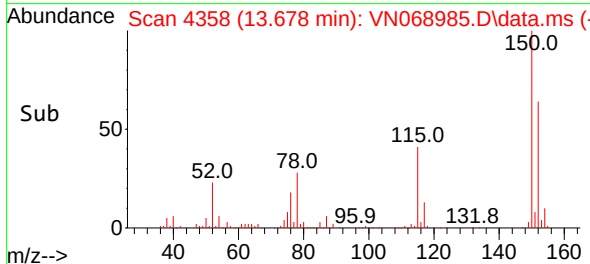
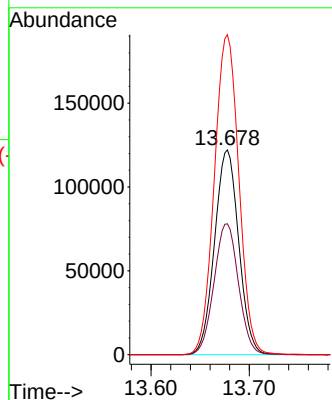
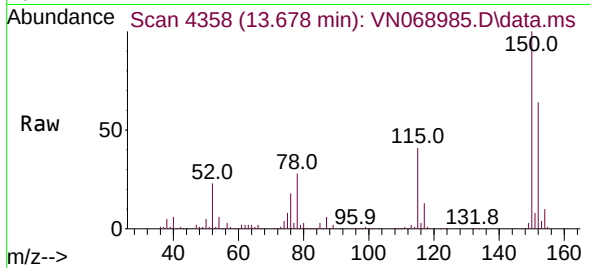




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068985.D
 Acq: 18 Oct 2021 17:39

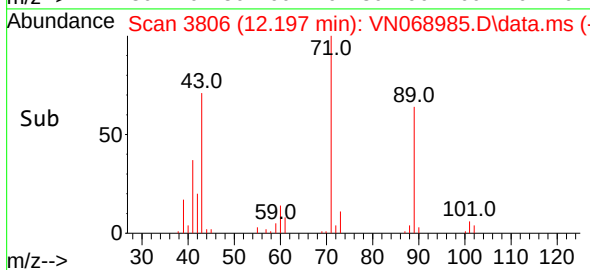
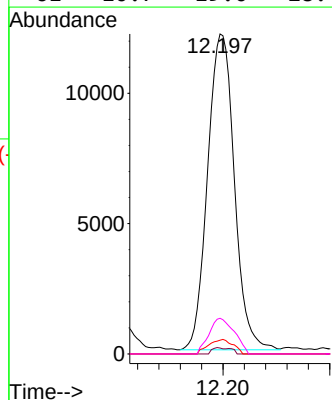
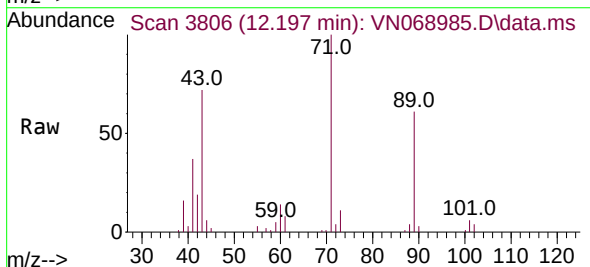
Instrument :
 MSVOA_N
 ClientSampled :

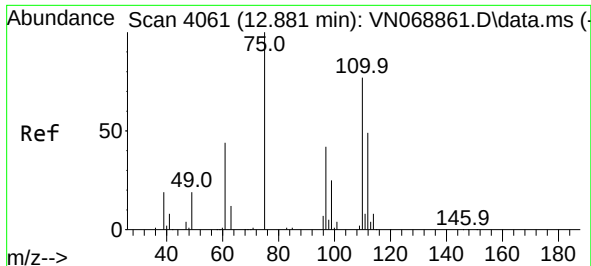
Tgt Ion:152 Resp: 208681
 Ion Ratio Lower Upper
 152 100
 115 64.7 31.4 94.3
 150 158.5 0.0 351.0



#74
 N-ethyl acetate
 Concen: 3.207 ug/l
 RT: 12.197 min Scan# 3806
 Delta R.T. -0.190 min
 Lab File: VN068985.D
 Acq: 18 Oct 2021 17:39

Tgt Ion: 43 Resp: 21107
 Ion Ratio Lower Upper
 43 100
 70 0.9 32.2 48.2#
 55 4.2 18.0 27.0#
 61 10.7 19.0 28.4#

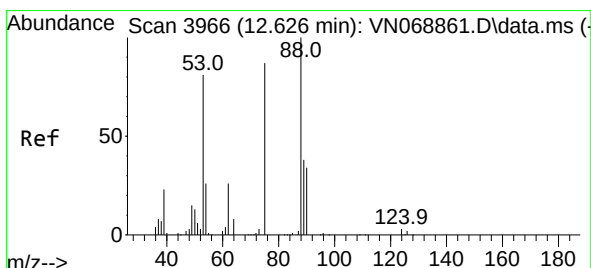
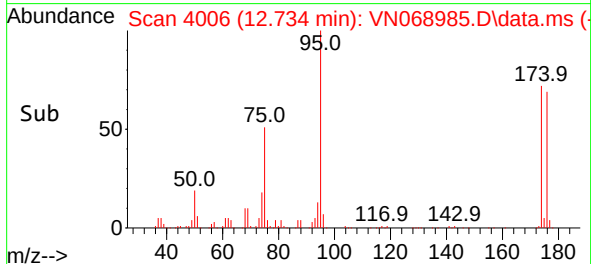
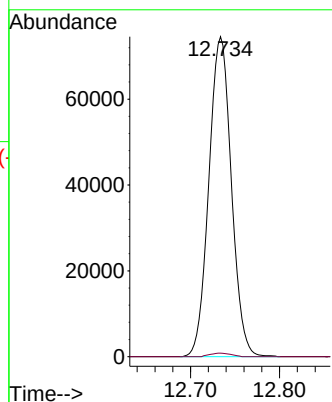
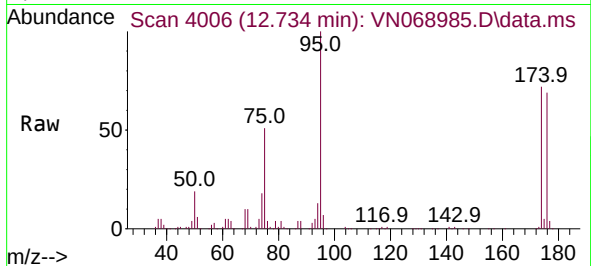




#76
1,2,3-Trichloropropane
Concen: 29.493 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

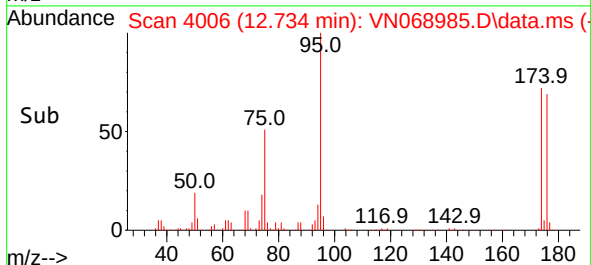
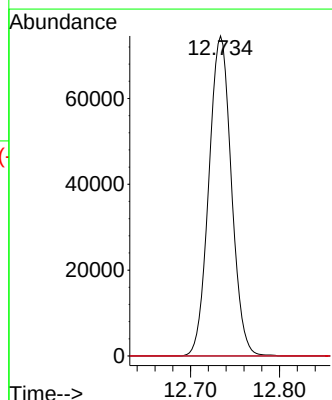
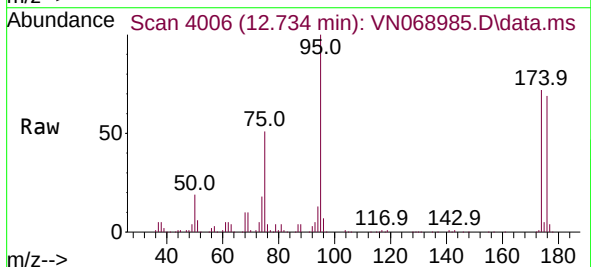
Instrument :
MSVOA_N
ClientSampled :

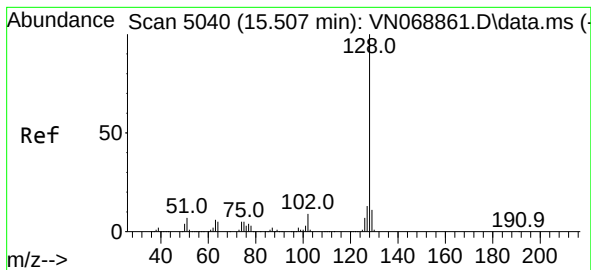
Tgt Ion: 75 Resp: 130954
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.561 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

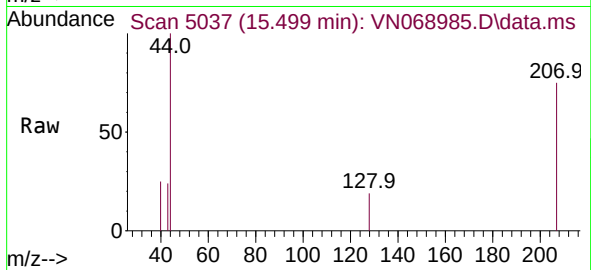
Tgt Ion: 75 Resp: 130954
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.816 ug/l
RT: 15.499 min Scan# 5037
Delta R.T. -0.008 min
Lab File: VN068985.D
Acq: 18 Oct 2021 17:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 50
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

