

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069062.D
 Acq On : 20 Oct 2021 15:21
 Operator : JC/MD
 Sample : M4259-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:14:41 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

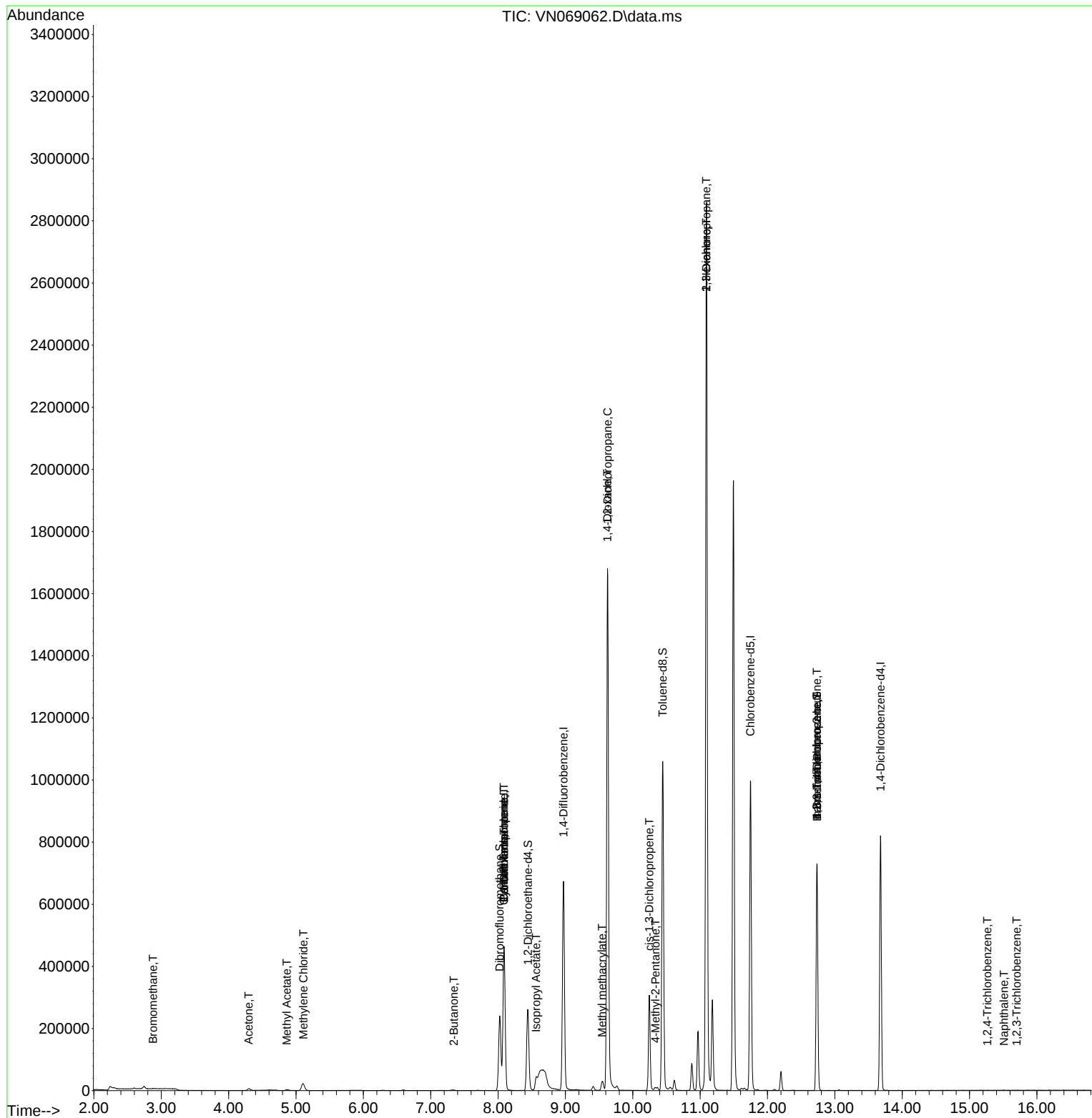
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	347748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	609464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	586361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	216914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	226012	49.294	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.580%	
35) Dibromofluoromethane	8.024	113	177104	49.946	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	99.900%	
50) Toluene-d8	10.443	98	763735	53.830	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.660%	
62) 4-Bromofluorobenzene	12.733	95	270737	50.578	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	101.160%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.877	94	726	0.306	ug/l #	77
16) Acetone	4.296	43	11782	6.886	ug/l	92
18) Methyl Acetate	4.865	43	6849	1.055	ug/l #	75
20) Methylene Chloride	5.109	84	18915	4.803	ug/l	92
25) 2-Butanone	7.343	43	1458	0.564	ug/l	91
31) Cyclohexane	8.086	56	8022	1.125	ug/l #	7
36) 1,1-Dichloropropene	8.088	75	28367	5.449	ug/l #	50
38) Carbon Tetrachloride	8.088	117	36577	6.398	ug/l #	16
43) Isopropyl Acetate	8.566	43	47227	4.978	ug/l #	84
45) 1,2-Dichloropropane	9.625	63	2126	0.517	ug/l #	43
48) Methyl methacrylate	9.545	41	8059	1.808	ug/l #	13
49) 1,4-Dioxane	9.622	88	240	38.298	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	5990	1.089	ug/l	100
54) cis-1,3-Dichloropropene	10.245	75	58214	8.489	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31515	4.753	ug/l #	42
59) 2-Hexanone	11.092	43	442018	112.056	ug/l #	51
71) Bromoform	12.736	173	1594	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	141949	30.756	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	141949	73.582	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	154	2.642	ug/l #	37
95) Naphthalene	15.512	128	946	3.898	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	51	2.528	ug/l #	1

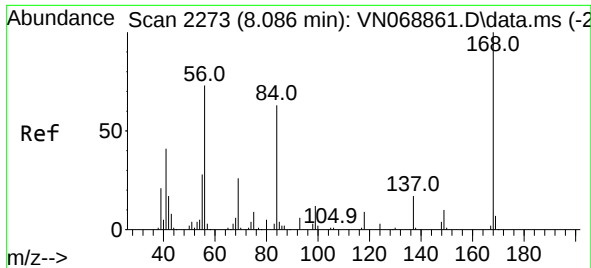
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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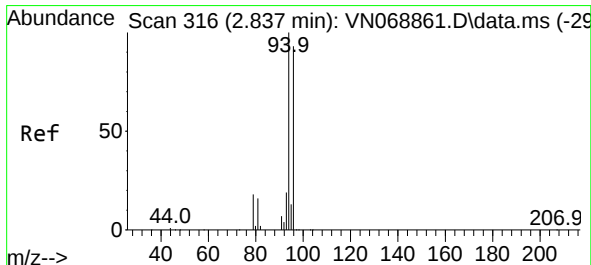
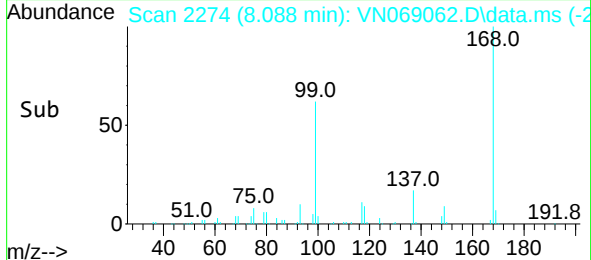
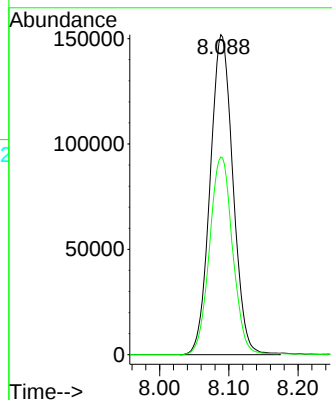
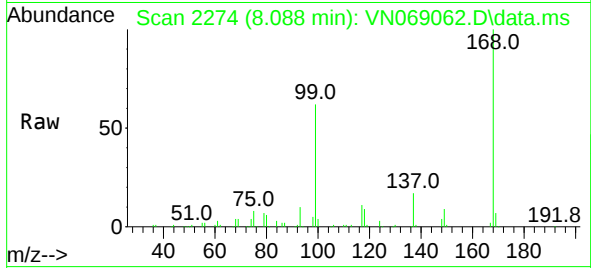




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

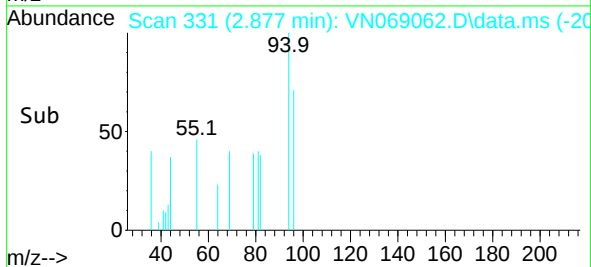
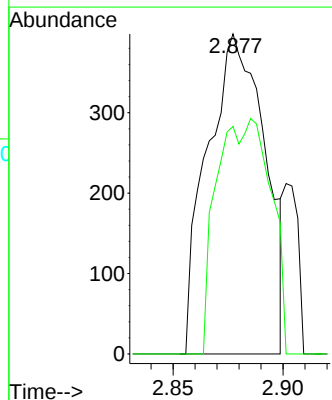
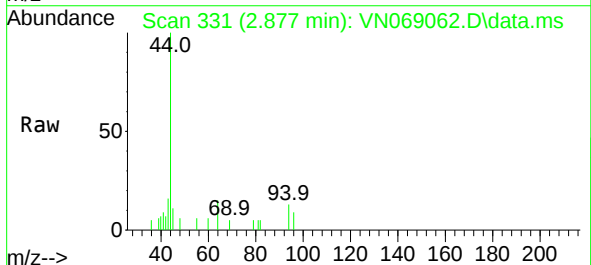
Instrument :
MSVOA_N
ClientSampled :

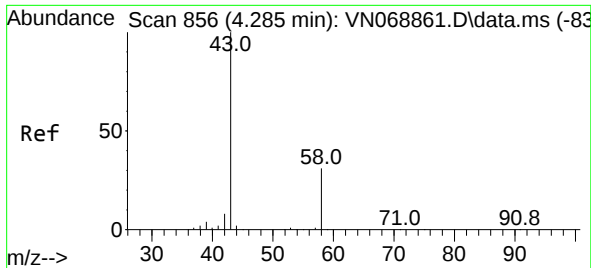
Tgt Ion:168 Resp: 347748
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#5
Bromomethane
Concen: 0.306 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 94 Resp: 726
Ion Ratio Lower Upper
94 100
96 71.1 74.2 111.4#

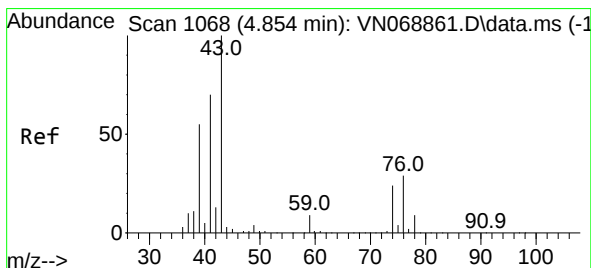
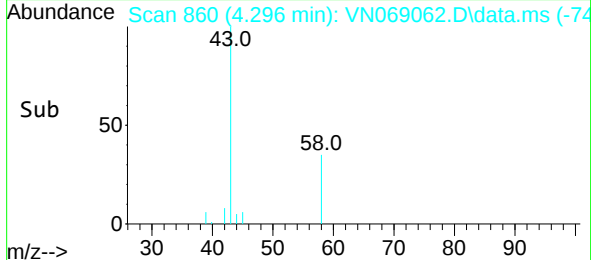
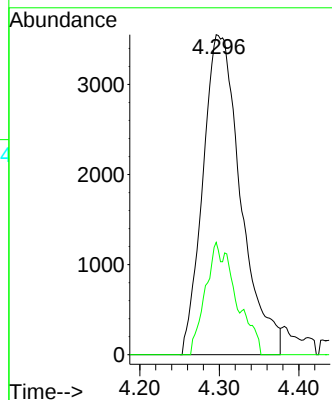
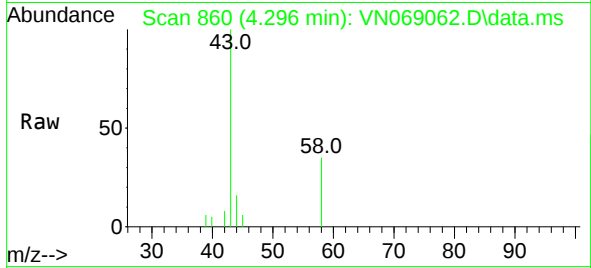




#16
Acetone
Concen: 6.886 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

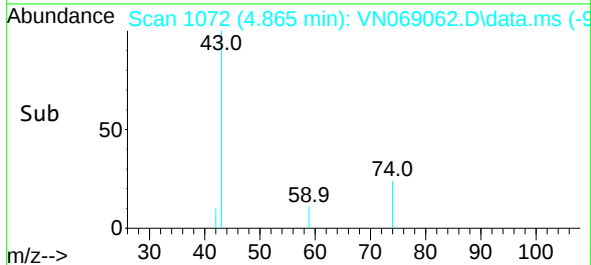
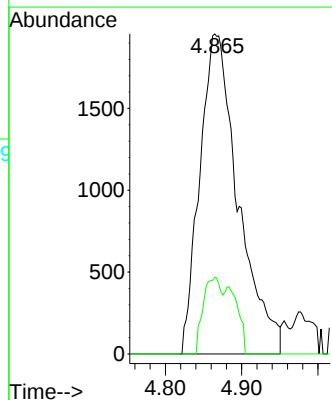
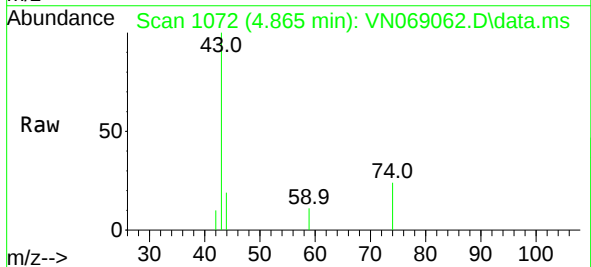
Instrument :
MSVOA_N
ClientSampled :

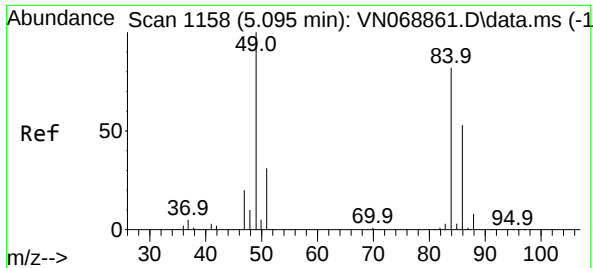
Tgt Ion: 43 Resp: 11782
Ion Ratio Lower Upper
43 100
58 35.1 24.5 36.7



#18
Methyl Acetate
Concen: 1.055 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

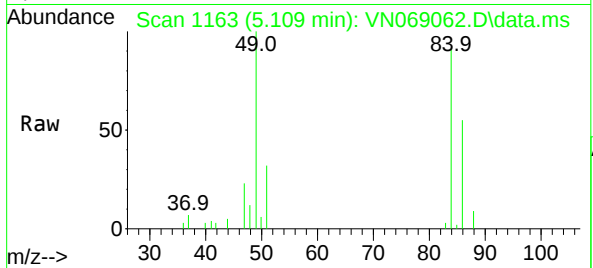
Tgt Ion: 43 Resp: 6849
Ion Ratio Lower Upper
43 100
74 11.4 18.9 28.3#



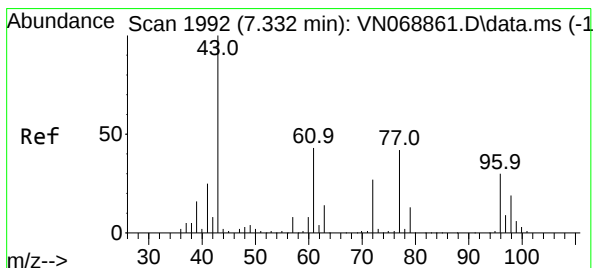
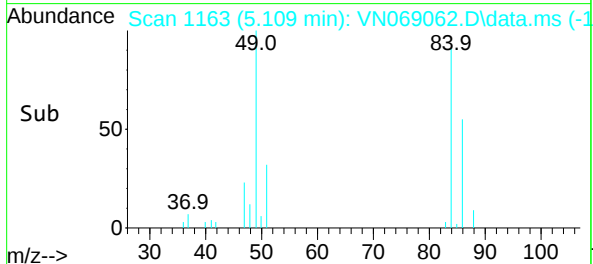
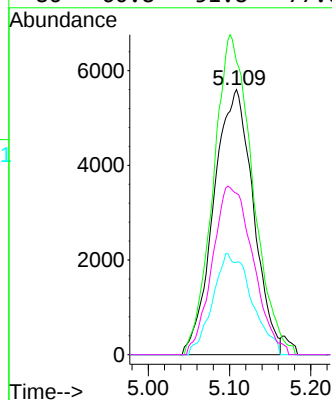


#20
Methylene Chloride
Concen: 4.803 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.013 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

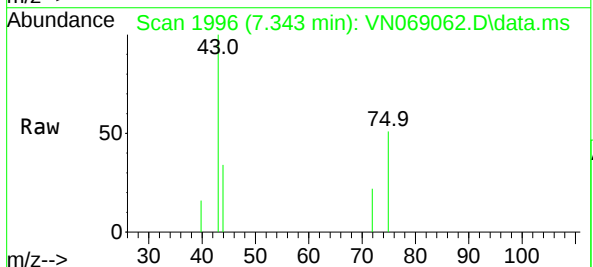
Instrument :
MSVOA_N
ClientSampled :



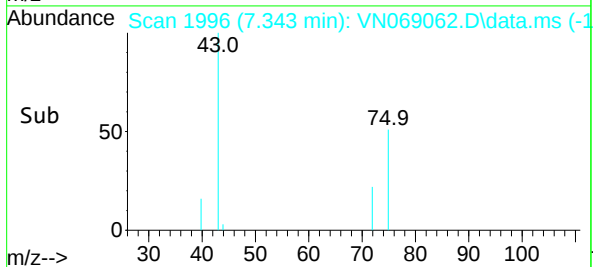
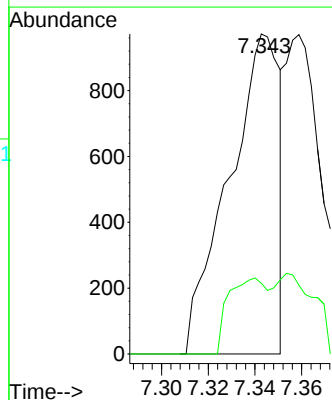
Tgt Ion:	84	Resp:	18915
Ion	Ratio	Lower	Upper
84	100		
49	110.4	97.6	146.4
51	34.9	30.3	45.5
86	60.8	51.8	77.6

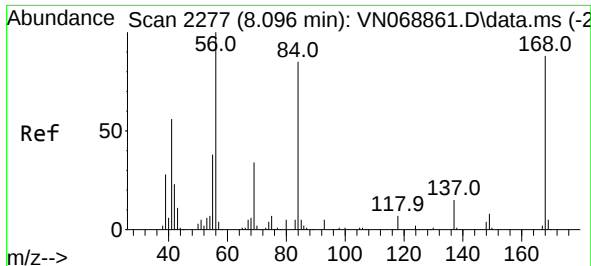


#25
2-Butanone
Concen: 0.564 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21



Tgt Ion:	43	Resp:	1458
Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.2	31.8

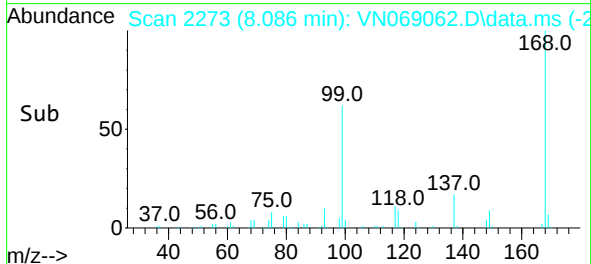
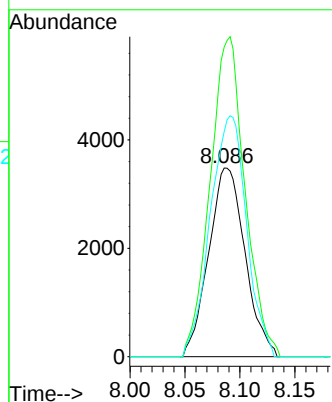
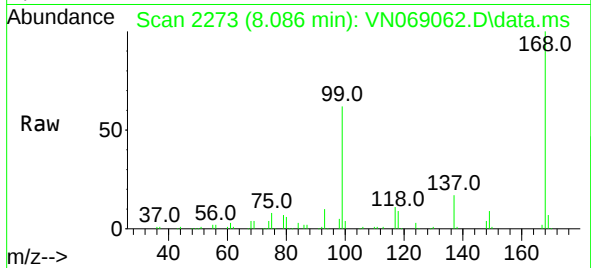




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

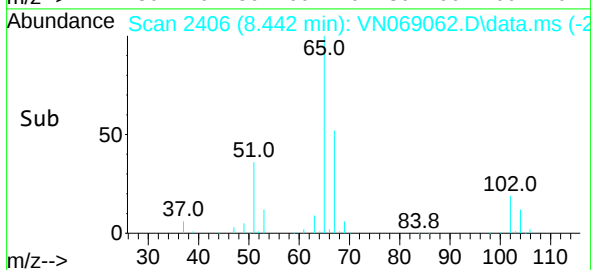
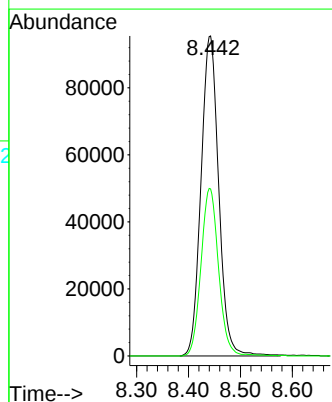
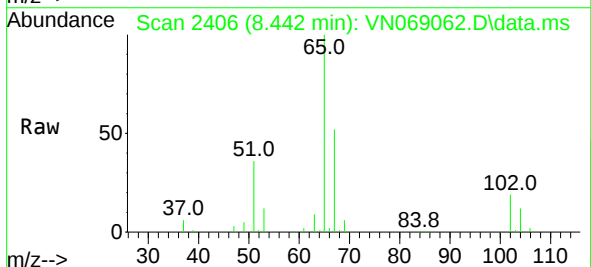
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 8022
Ion Ratio Lower Upper
56 100
69 164.1 26.9 40.3#
84 119.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.294 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 65 Resp: 226012
Ion Ratio Lower Upper
65 100
67 51.5 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: VN069062.D

Acq: 20 Oct 2021 15:21

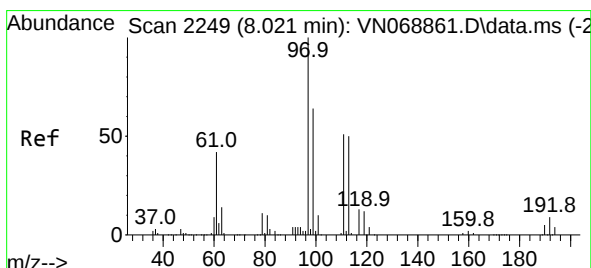
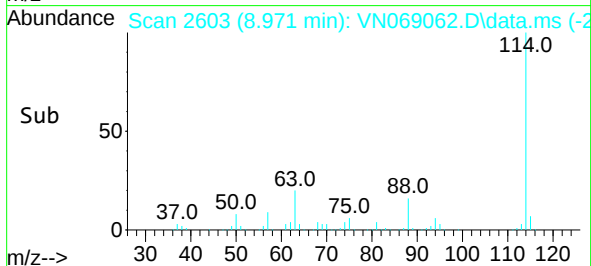
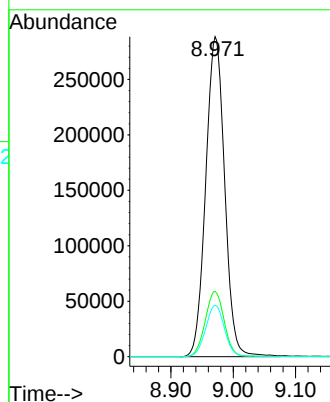
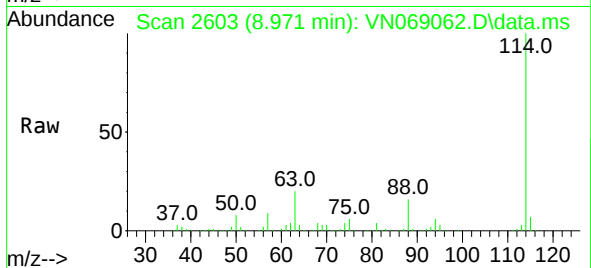
Tgt Ion:114 Resp: 609464

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 16.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069062.D

Acq: 20 Oct 2021 15:21

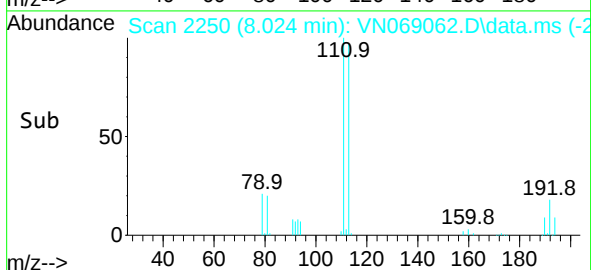
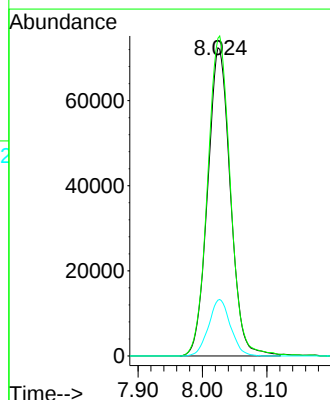
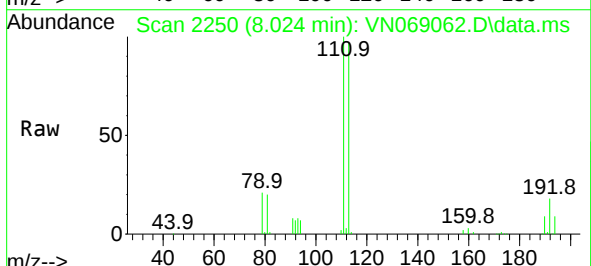
Tgt Ion:113 Resp: 177104

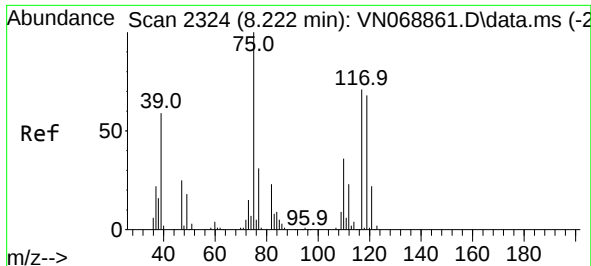
Ion Ratio Lower Upper

113 100

111 104.2 83.2 124.8

192 17.7 15.0 22.4

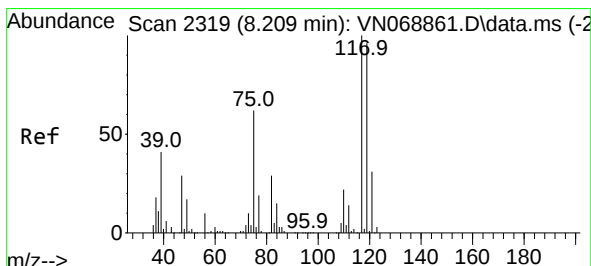
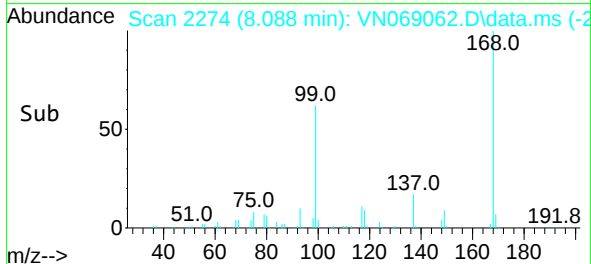
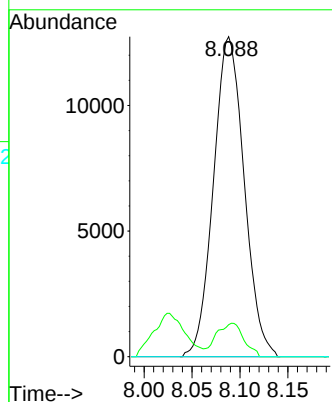
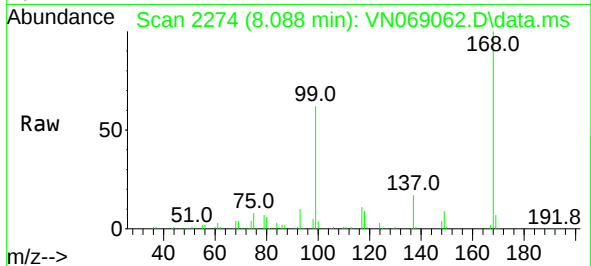




#36
 1,1-Dichloropropene
 Concen: 5.449 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN069062.D
 Acq: 20 Oct 2021 15:21

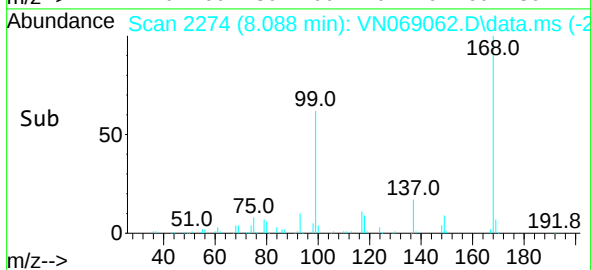
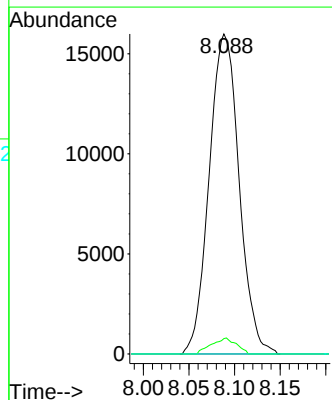
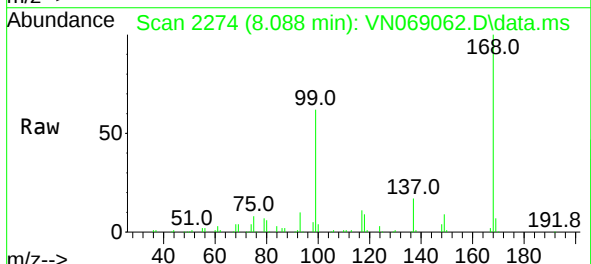
Instrument :
 MSVOA_N
 ClientSampled :

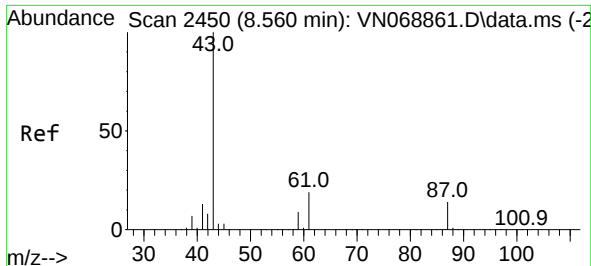
Tgt Ion: 75 Resp: 28367
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.398 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.121 min
 Lab File: VN069062.D
 Acq: 20 Oct 2021 15:21

Tgt Ion: 117 Resp: 36577
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.9 115.3#
 121 0.0 24.6 37.0#

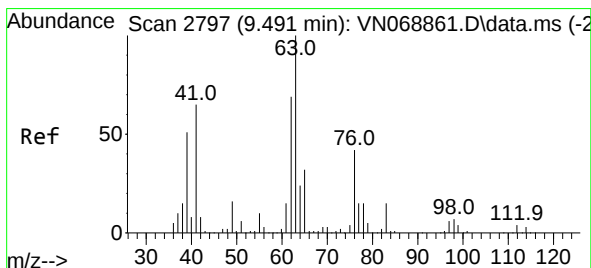
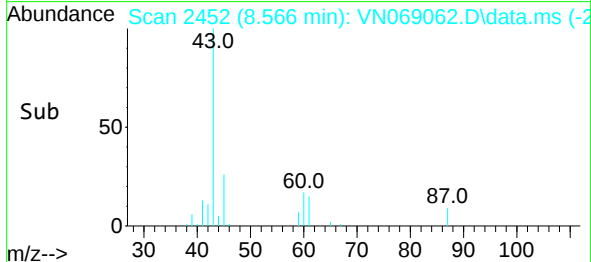
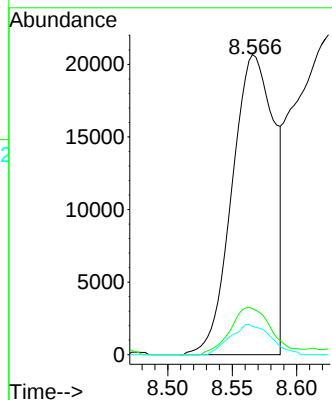
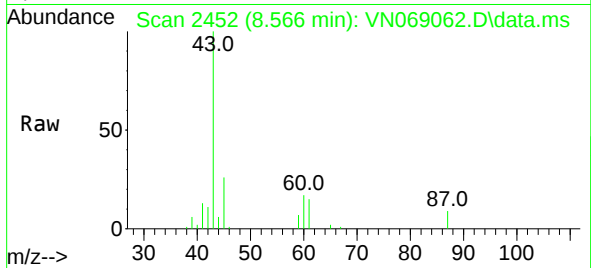




#43
Isopropyl Acetate
Concen: 4.978 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

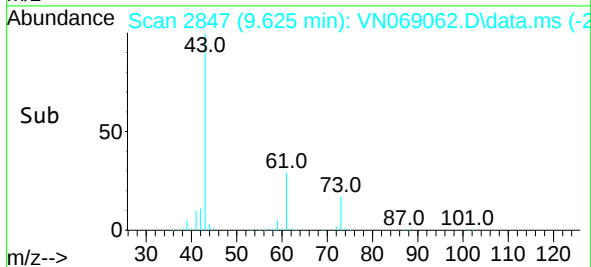
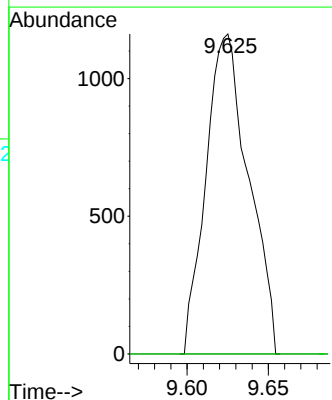
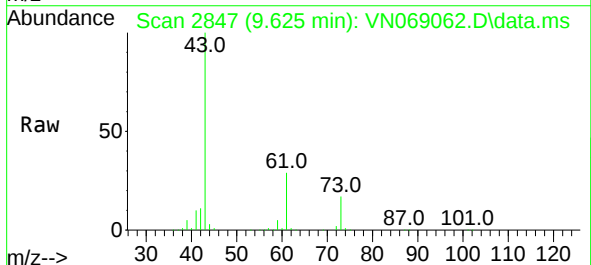
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MSVOA_N
ClientSampled :

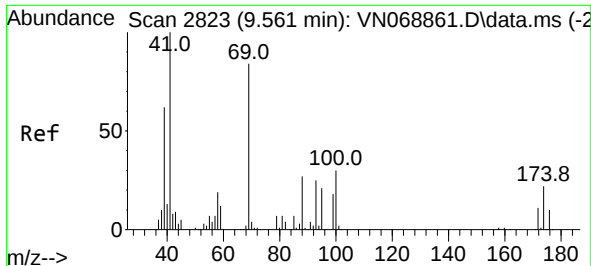
Tgt Ion: 43 Resp: 47227
Ion Ratio Lower Upper
43 100
61 15.4 20.4 30.6#
87 9.7 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.517 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 63 Resp: 2126
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

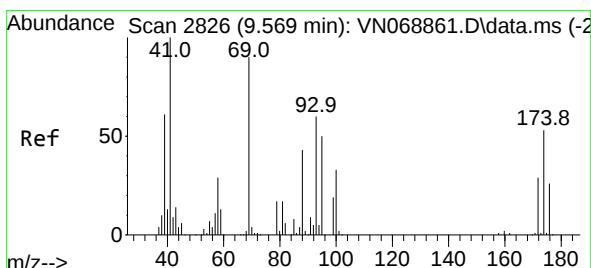
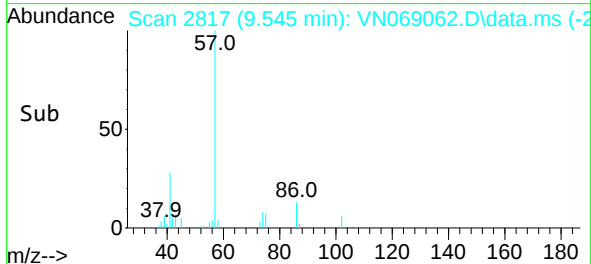
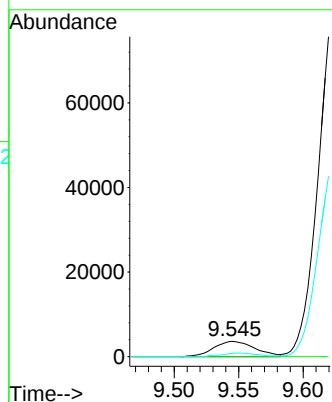
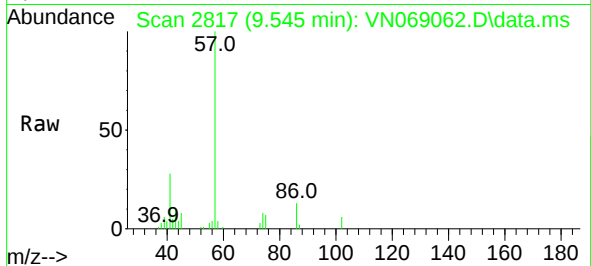




#48
Methyl methacrylate
Concen: 1.808 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

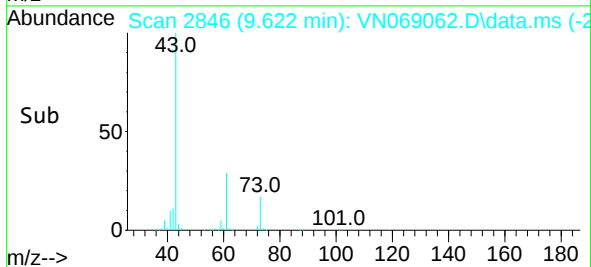
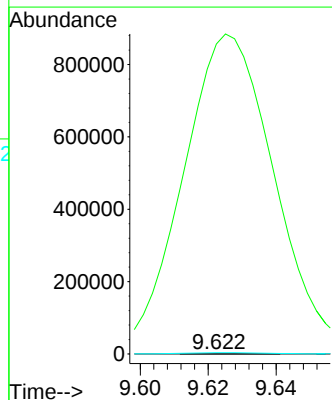
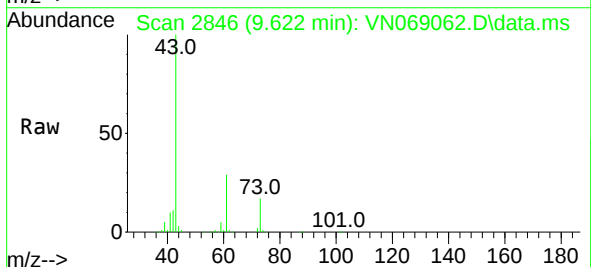
Instrument :
MSVOA_N
ClientSampled :

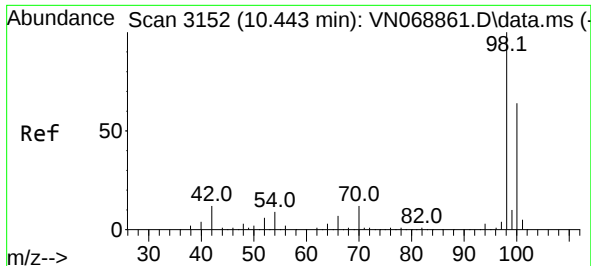
Tgt Ion: 41 Resp: 8059
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 38.298 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 712016.7 24.9 37.3#
58 2782.9 56.9 85.3#

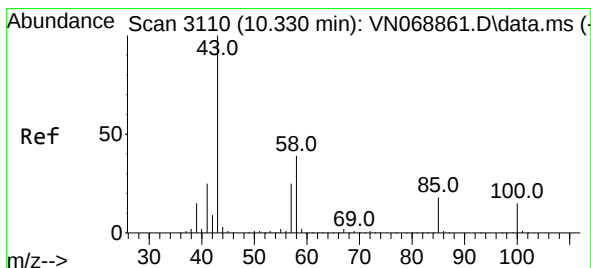
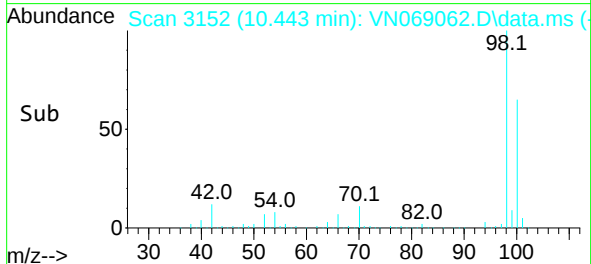
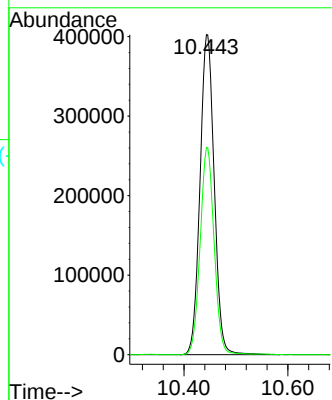
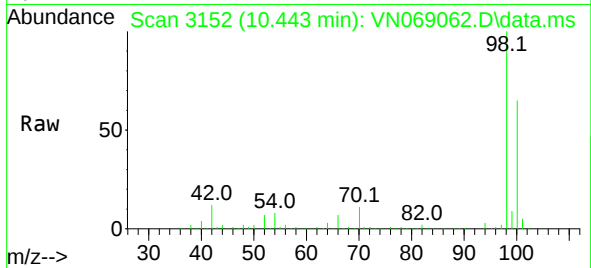




#50
Toluene-d8
Concen: 53.830 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

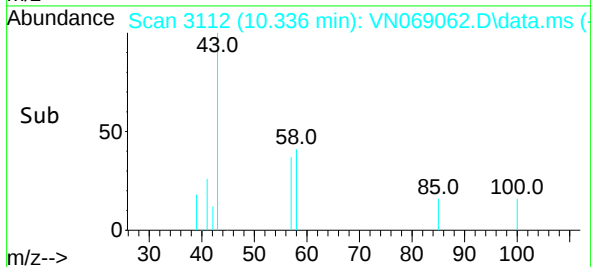
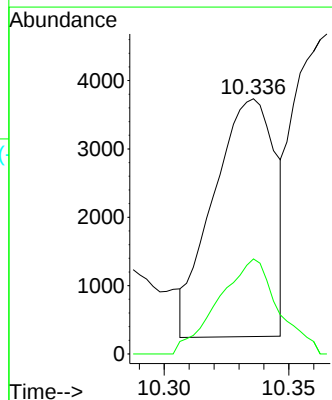
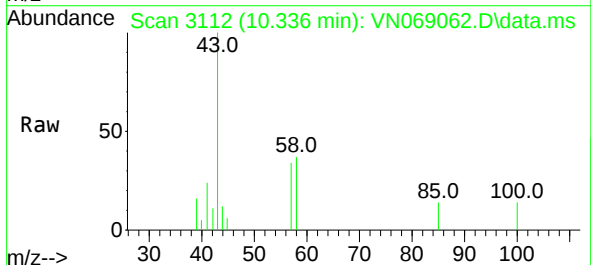
Instrument :
MSVOA_N
ClientSampled :

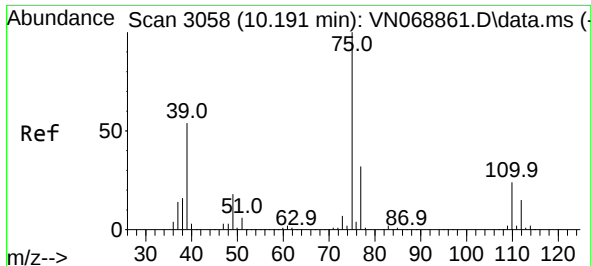
Tgt Ion: 98 Resp: 763735
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.089 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 43 Resp: 5990
Ion Ratio Lower Upper
43 100
58 38.7 31.0 46.4

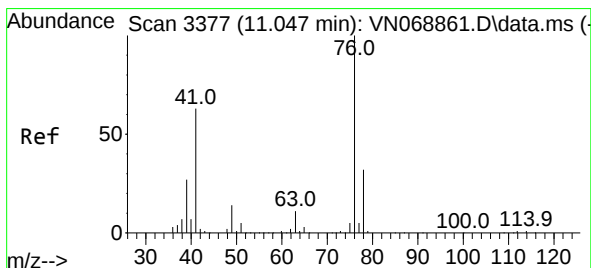
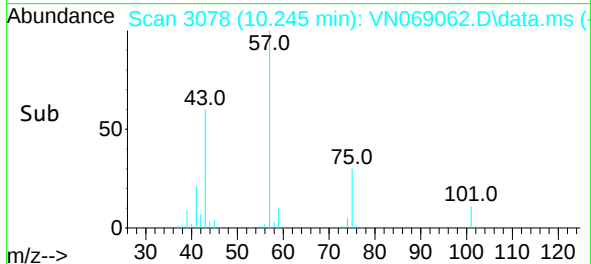
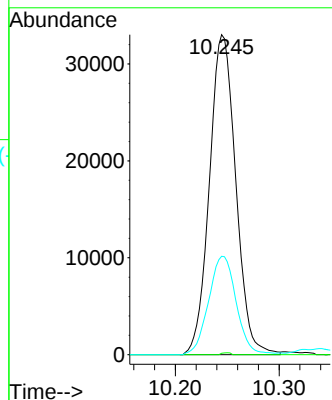
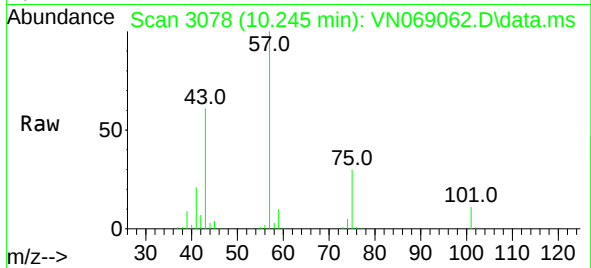




#54
 cis-1,3-Dichloropropene
 Concen: 8.489 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069062.D
 Acq: 20 Oct 2021 15:21

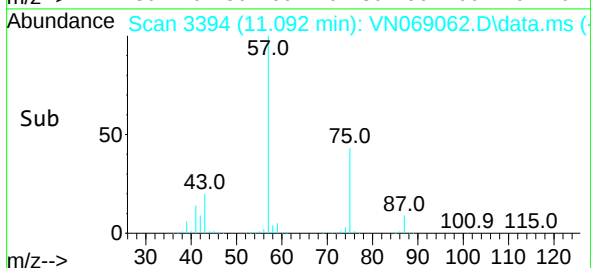
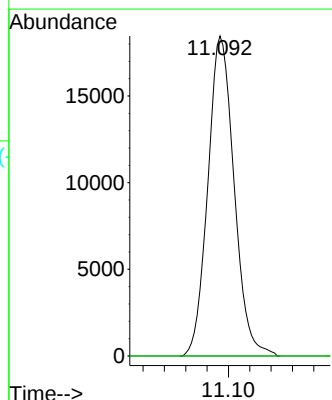
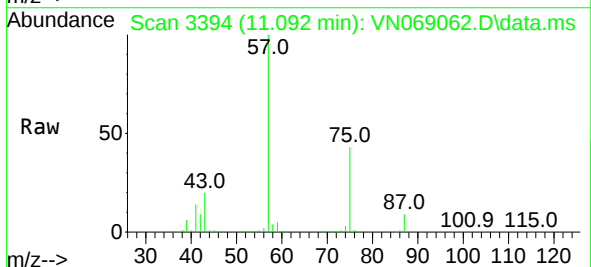
Instrument :
 MSVOA_N
 ClientSampled :

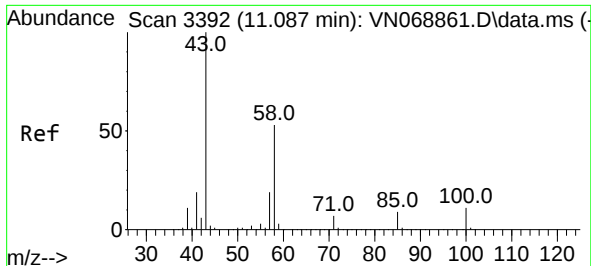
Tgt Ion: 75 Resp: 58214
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 30.8 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.753 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069062.D
 Acq: 20 Oct 2021 15:21

Tgt Ion: 76 Resp: 31515
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

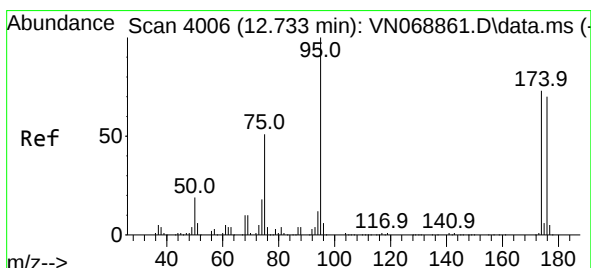
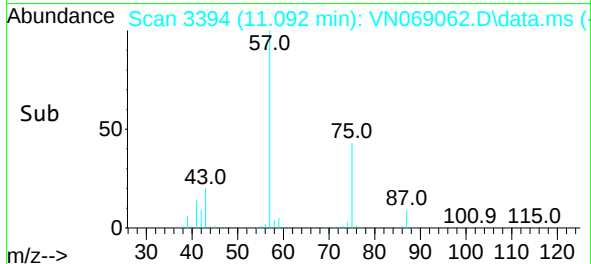
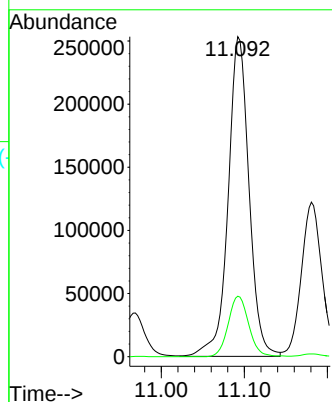
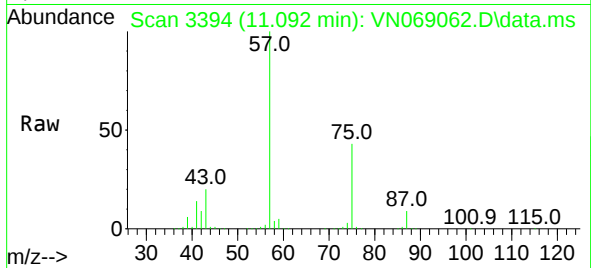




#59
2-Hexanone
Concen: 112.056 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

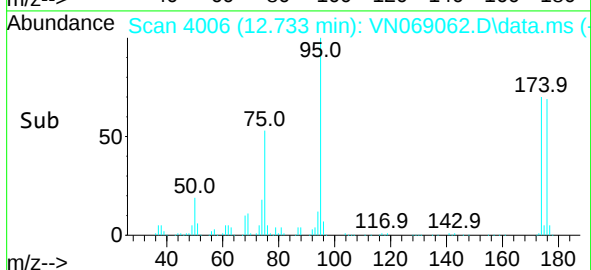
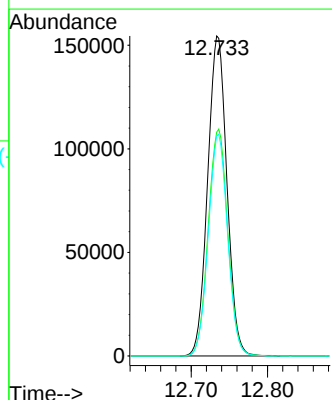
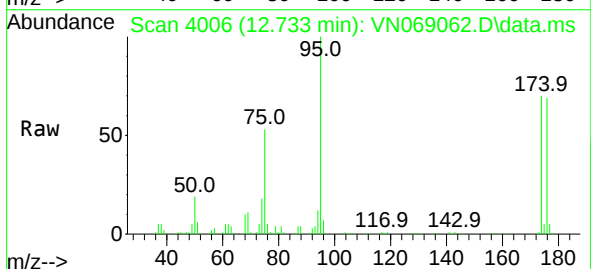
Instrument :
MSVOA_N
ClientSampled :

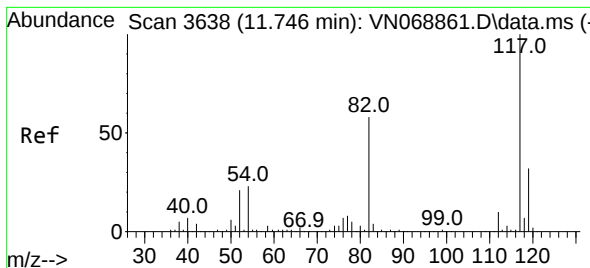
Tgt Ion: 43 Resp: 442018
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.578 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 95 Resp: 270737
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.8
176 69.3 0.0 140.0

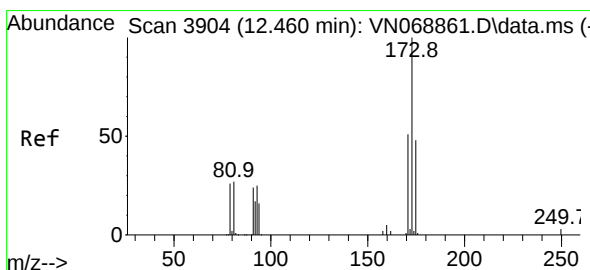
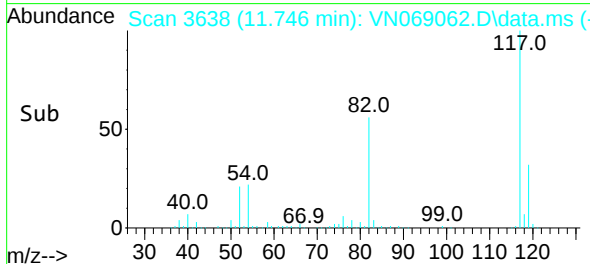
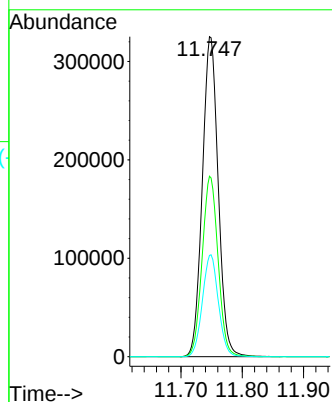
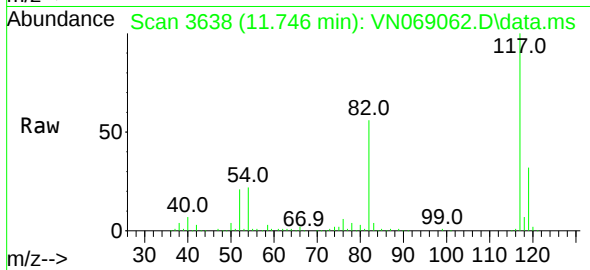




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

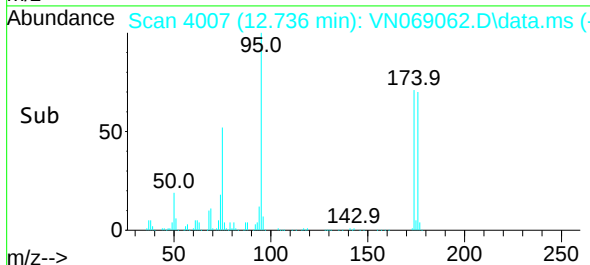
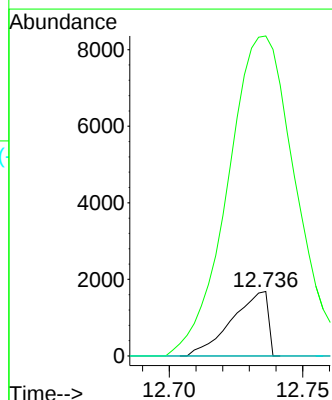
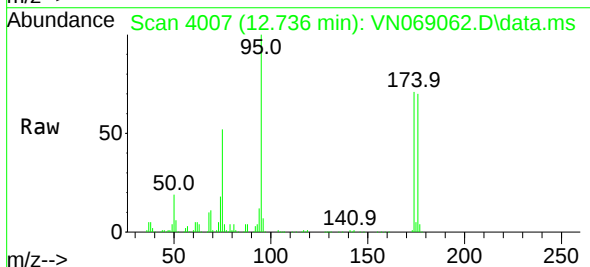
Instrument :
MSVOA_N
ClientSampled :

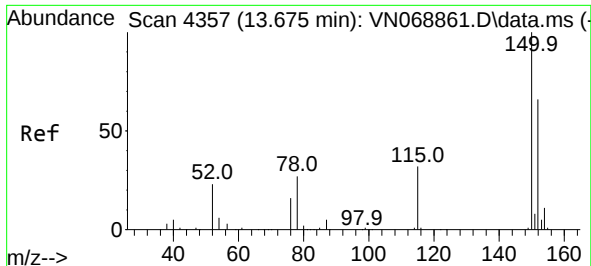
Tgt Ion:117 Resp: 586361
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 31.7 26.0 39.0



#71
Bromoform
Concen: 0.458 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion:173 Resp: 1594
Ion Ratio Lower Upper
173 100
175 845.9 23.8 71.5#
254 0.0 0.0 0.0

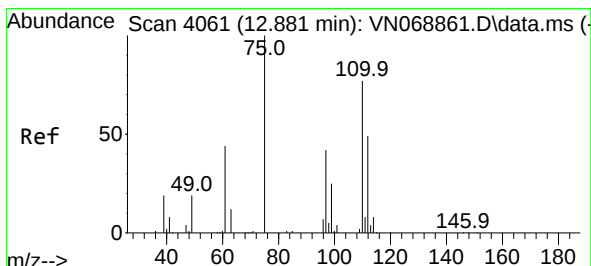
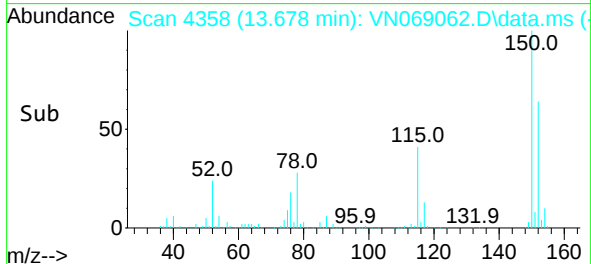
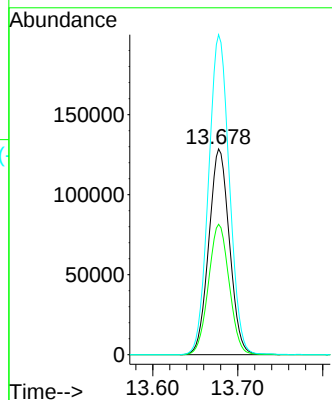
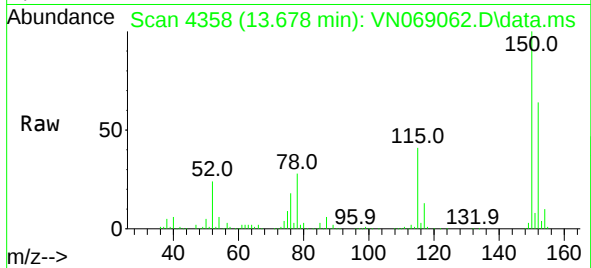




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

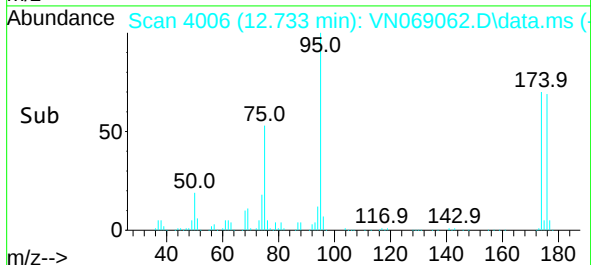
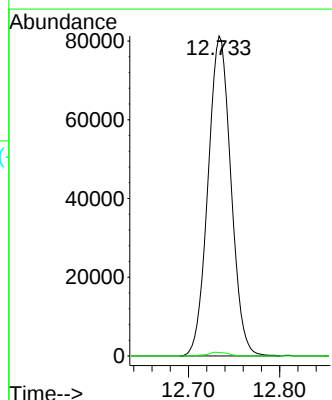
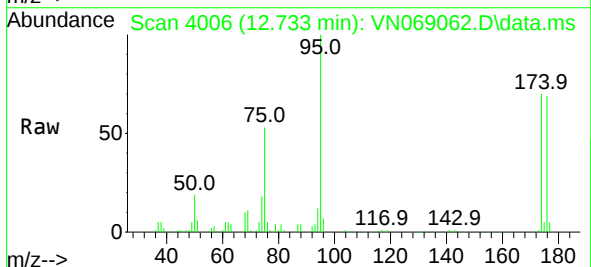
Instrument :
MSVOA_N
ClientSampled :

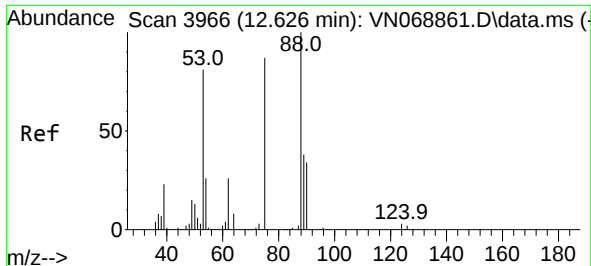
Tgt Ion:152 Resp: 216914
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 156.7 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 30.756 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

Tgt Ion: 75 Resp: 141949
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

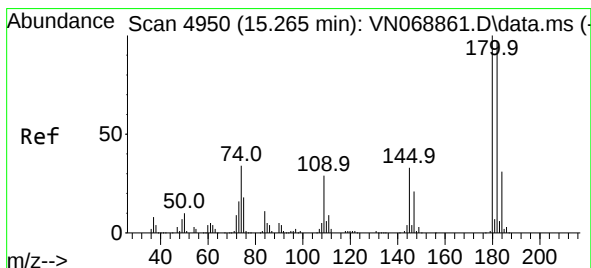
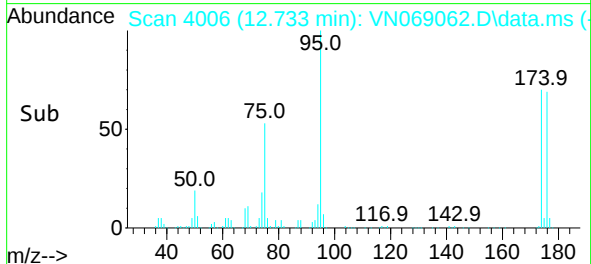
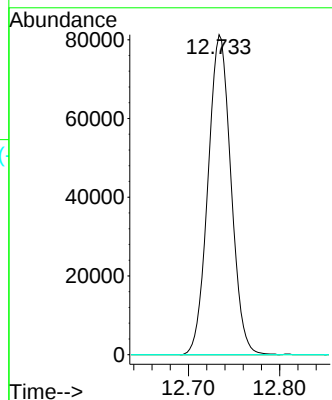
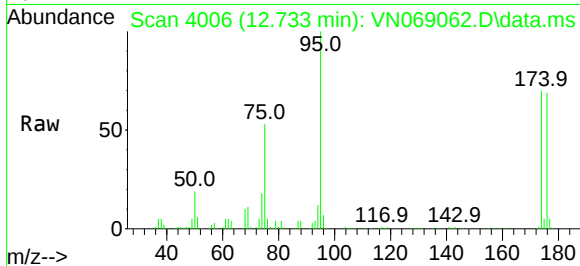




#81
trans-1,4-Dichloro-2-butene
Concen: 73.582 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

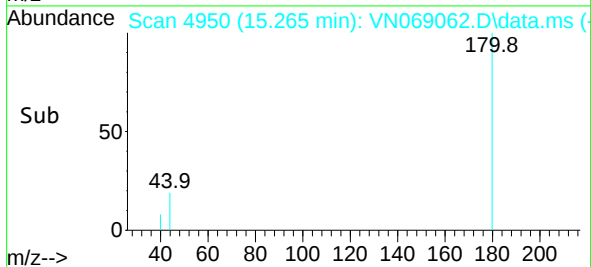
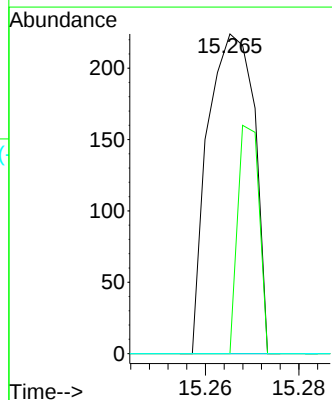
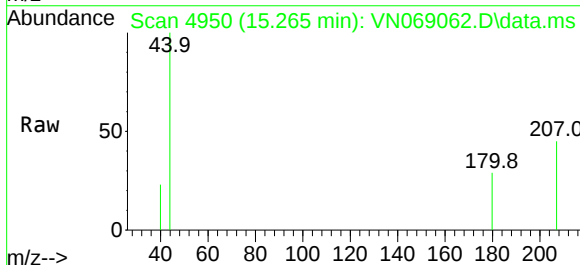
Instrument :
MSVOA_N
ClientSampled :

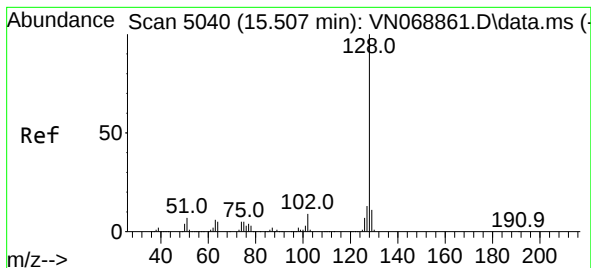
Tgt Ion: 75 Resp: 141949
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.642 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

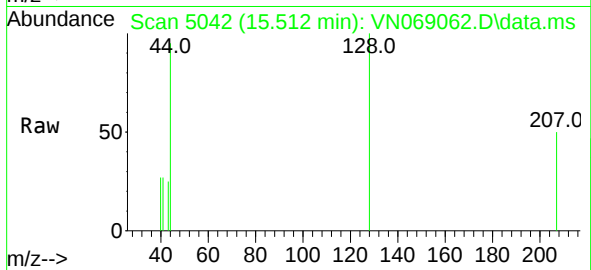
Tgt Ion:180 Resp: 154
Ion Ratio Lower Upper
180 100
182 33.1 47.9 143.7#
145 0.0 16.4 49.2#



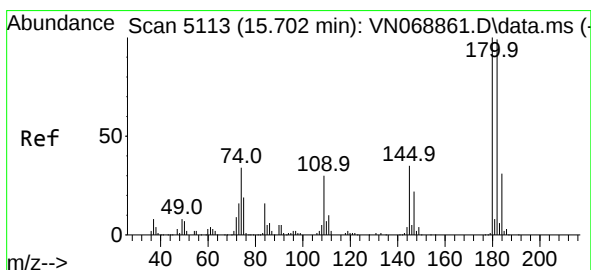
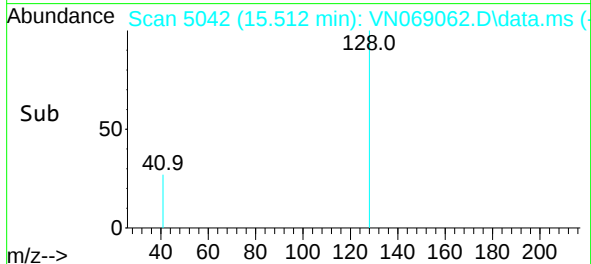
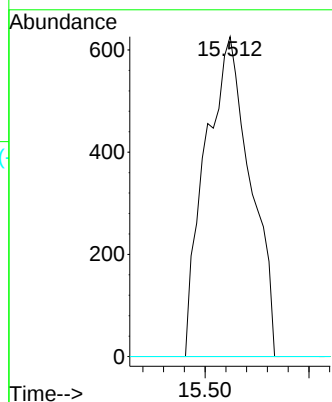


#95
Naphthalene
Concen: 3.898 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21

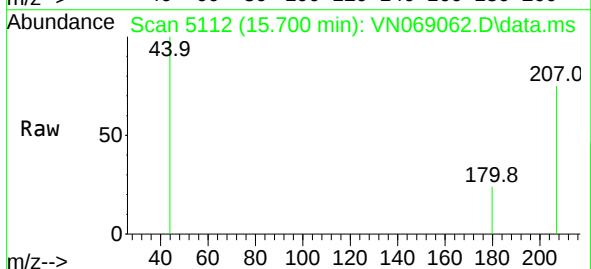
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 946
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.528 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069062.D
Acq: 20 Oct 2021 15:21



Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 264.7 48.1 144.3#
145 0.0 17.4 52.2#

