

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069285.D
 Acq On : 29 Oct 2021 7:18
 Operator : JC/MD
 Sample : M4380-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:58:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

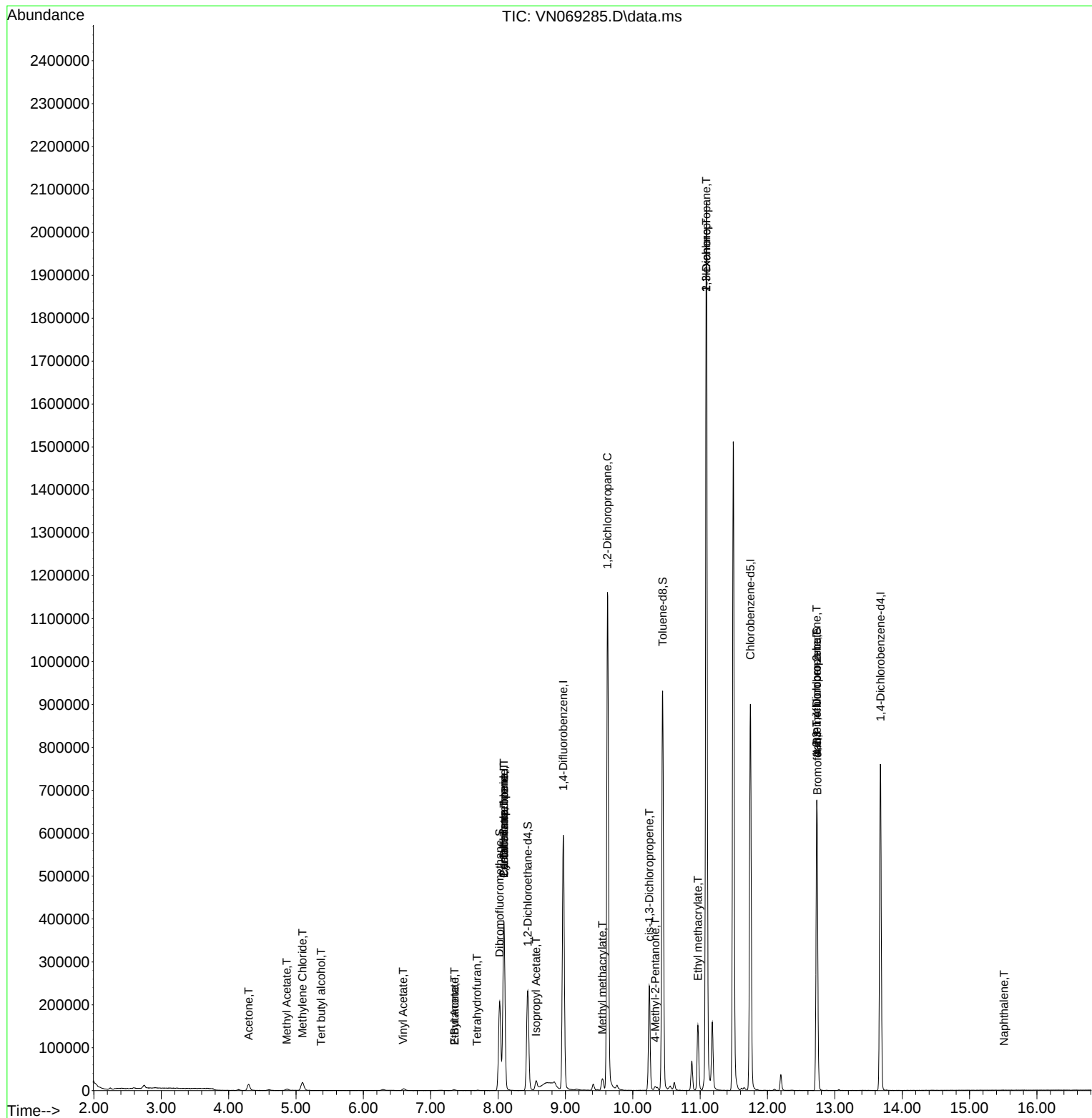
Internal Standards						
1) Pentafluorobenzene	8.088	168	292056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	529072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	533631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	201366	47.763	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.520%		
35) Dibromofluoromethane	8.024	113	153354	46.498	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.000%		
50) Toluene-d8	10.443	98	664690	50.406	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.820%		
62) 4-Bromofluorobenzene	12.733	95	245004	49.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.480%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	335	Below Cal	#	42
11) Tert butyl alcohol	5.374	59	24	13.435	ug/l #	72
16) Acetone	4.296	43	26892	14.971	ug/l	100
18) Methyl Acetate	4.865	43	7453	1.221	ug/l #	81
20) Methylene Chloride	5.095	84	15047	4.367	ug/l	95
23) Vinyl Acetate	6.589	43	597	6.657	ug/l #	72
25) 2-Butanone	7.353	43	3701	2.970	ug/l	91
29) Tetrahydrofuran	7.686	42	298	3.103	ug/l #	77
31) Cyclohexane	8.088	56	6778	1.201	ug/l #	7
36) 1,1-Dichloropropene	8.088	75	24478	5.367	ug/l #	44
37) Ethyl Acetate	7.353	43	3701	0.712	ug/l #	68
38) Carbon Tetrachloride	8.088	117	31375	6.935	ug/l #	16
43) Isopropyl Acetate	8.566	43	29760	3.712	ug/l #	86
45) 1,2-Dichloropropane	9.622	63	1261	0.361	ug/l #	43
48) Methyl methacrylate	9.547	41	7572	1.930	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	4953	7.220	ug/l	90
54) cis-1,3-Dichloropropene	10.245	75	45611	8.594	ug/l #	61
56) Ethyl methacrylate	10.966	69	937	1.820	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	22729	3.775	ug/l #	42
59) 2-Hexanone	11.092	43	319064	76.456	ug/l #	50
71) Bromoform	12.739	173	738	3.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	130839	24.456	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	130839	70.138	ug/l #	12
95) Naphthalene	15.512	128	182	3.324	ug/l #	69

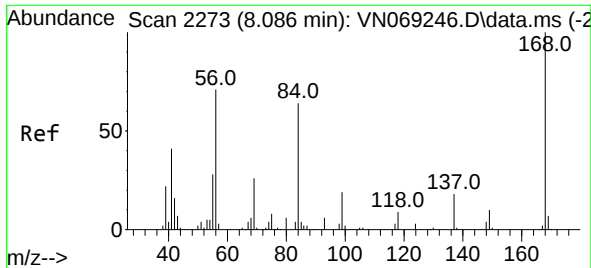
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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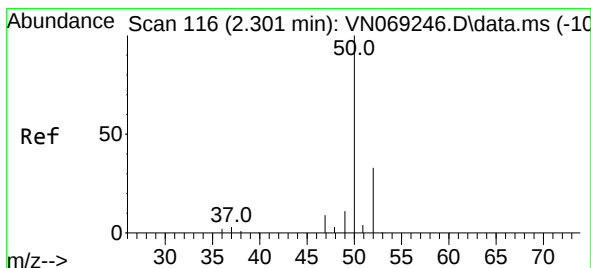
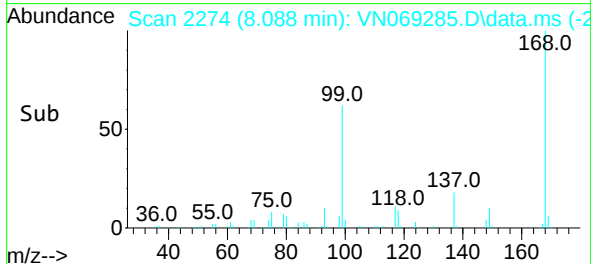
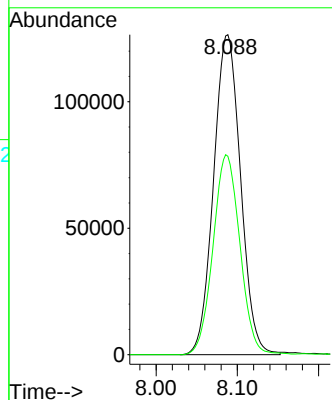
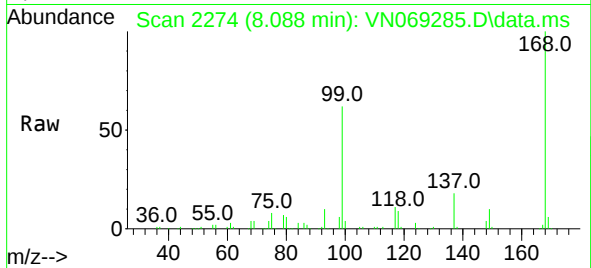




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

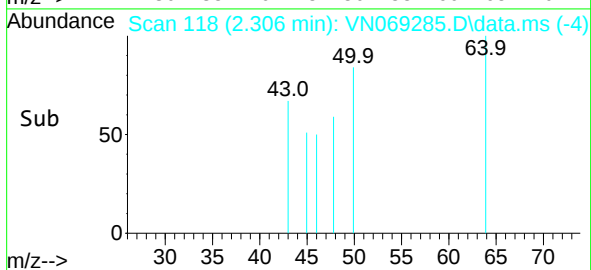
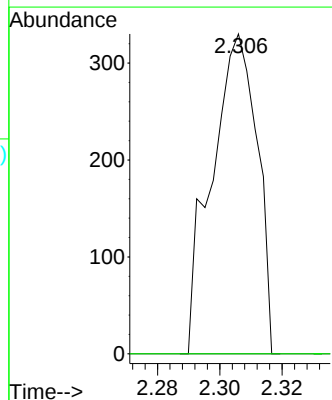
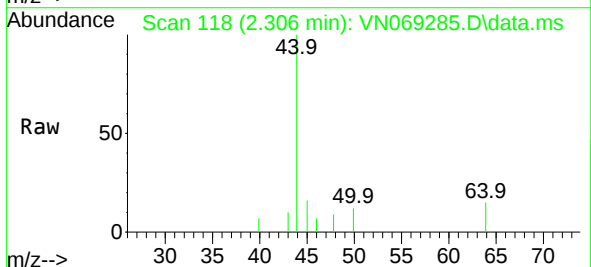
Instrument :
MSVOA_D
ClientSampled :

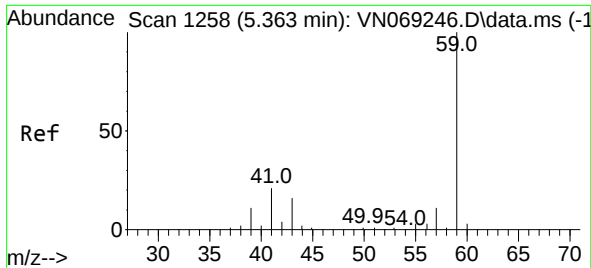
Tgt Ion:168 Resp: 292056
Ion Ratio Lower Upper
168 100
99 62.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



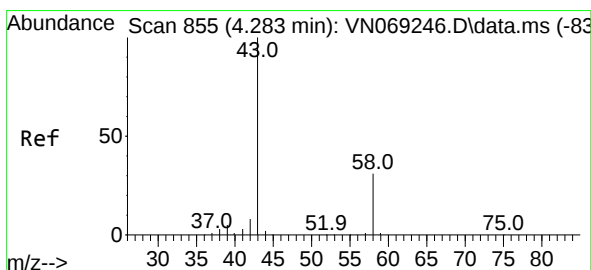
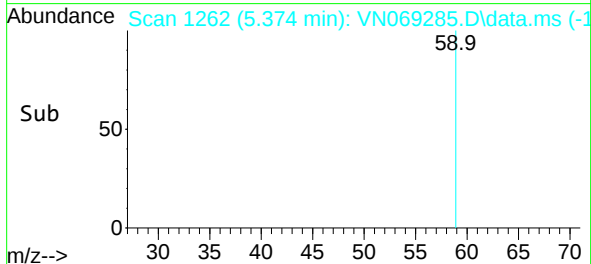
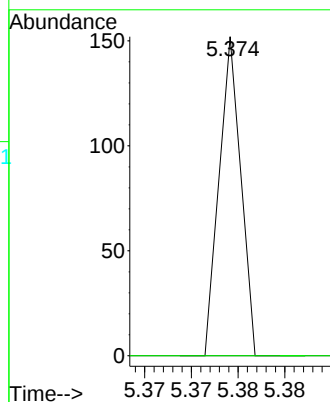
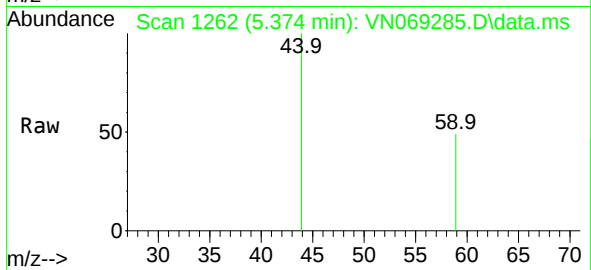


#11

Tert butyl alcohol
Concen: 13.435 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. 0.011 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Instrument :
MSVOA_D
ClientSampled :

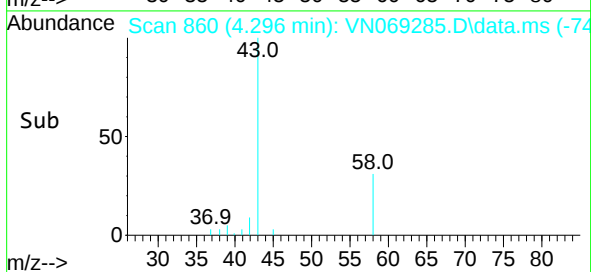
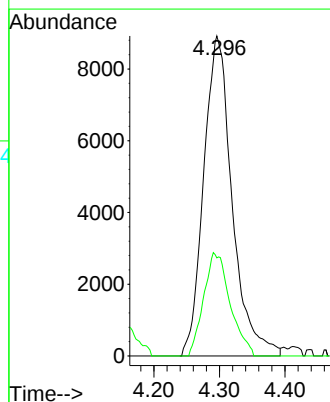
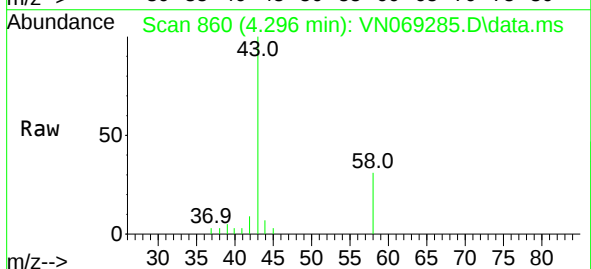
Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

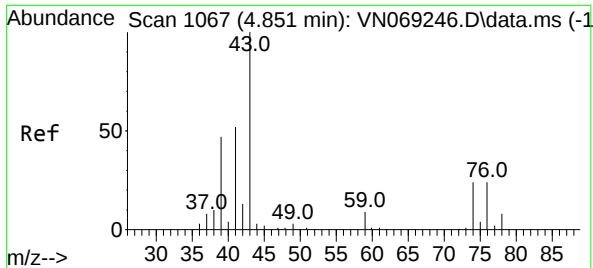


#16

Acetone
Concen: 14.971 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 43 Resp: 26892
Ion Ratio Lower Upper
43 100
58 30.7 24.5 36.7

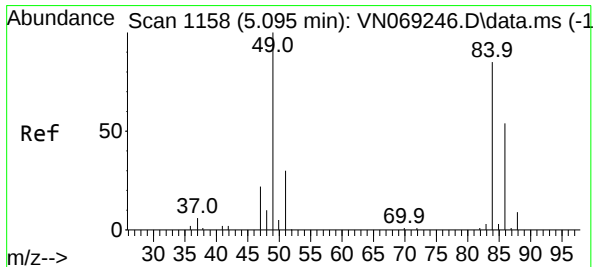
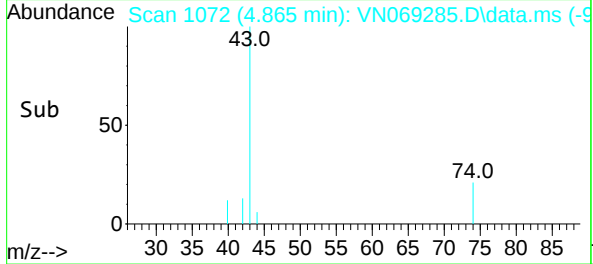
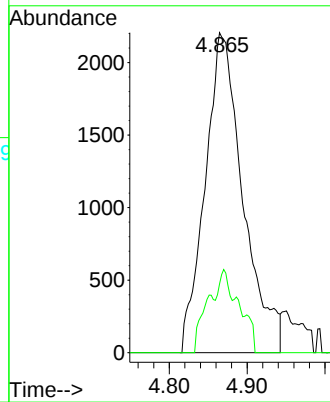
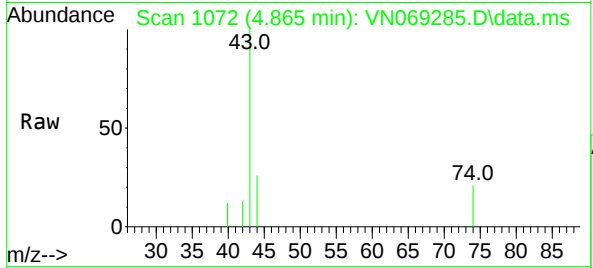




#18
Methyl Acetate
Concen: 1.221 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.014 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

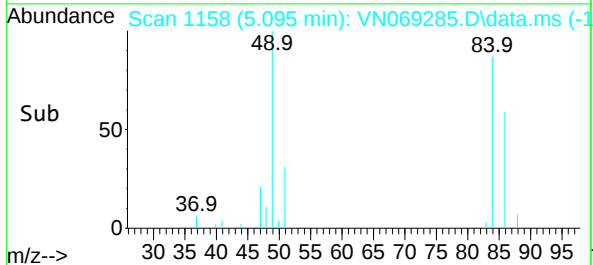
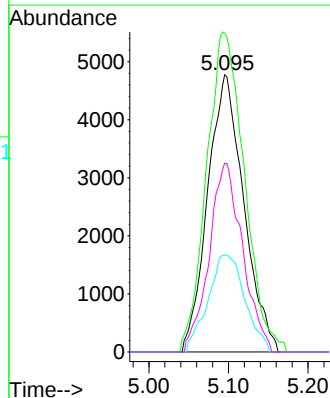
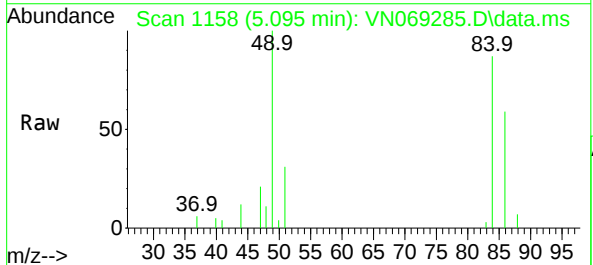
Instrument :
MSVOA_D
ClientSampled :

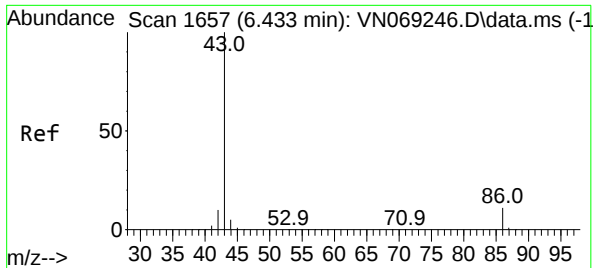
Tgt Ion: 43 Resp: 7453
Ion Ratio Lower Upper
43 100
74 14.2 18.9 28.3#



#20
Methylene Chloride
Concen: 4.367 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 84 Resp: 15047
Ion Ratio Lower Upper
84 100
49 115.0 97.6 146.4
51 35.2 30.3 45.5
86 68.1 51.8 77.6

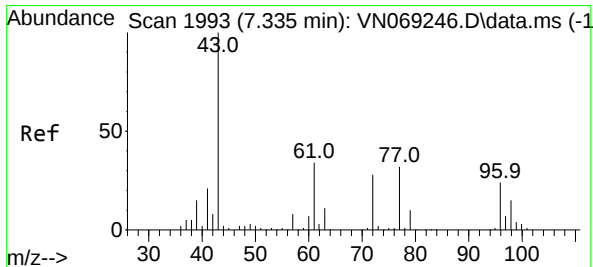
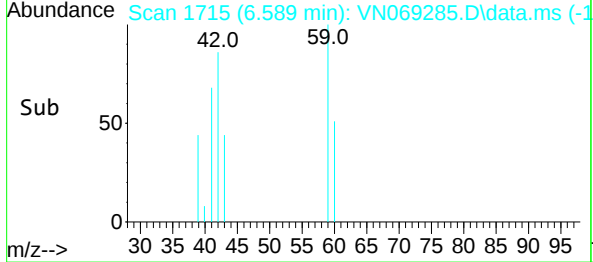
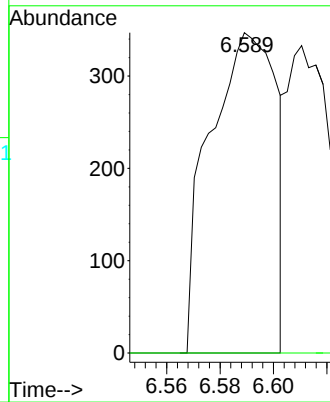
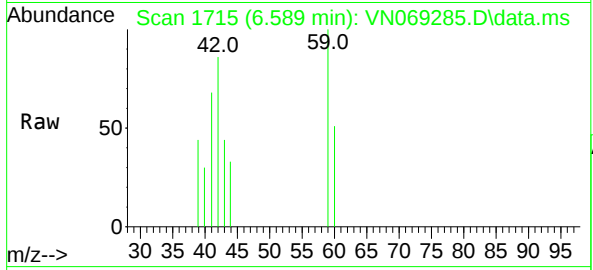




#23
 Vinyl Acetate
 Concen: 6.657 ug/l
 RT: 6.589 min Scan# 1715
 Delta R.T. 0.156 min
 Lab File: VN069285.D
 Acq: 29 Oct 2021 7:18

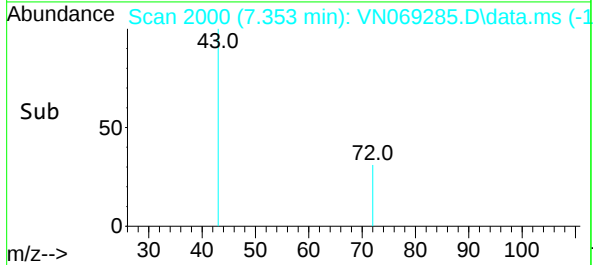
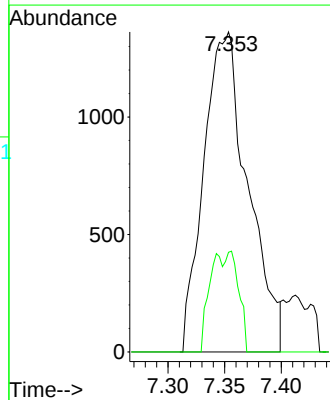
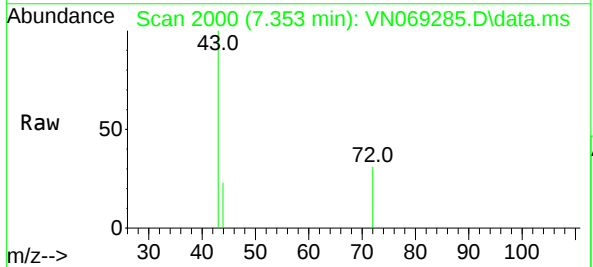
Instrument :
 MSVOA_D
 ClientSampled :

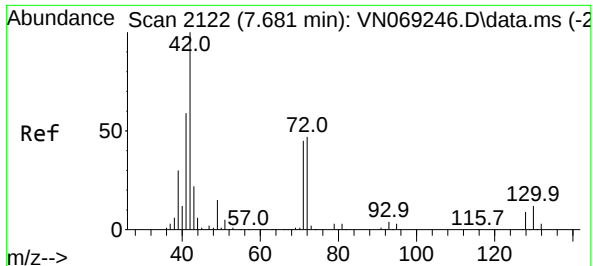
Tgt Ion: 43 Resp: 597
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.3 12.5#



#25
 2-Butanone
 Concen: 2.970 ug/l
 RT: 7.353 min Scan# 2000
 Delta R.T. 0.018 min
 Lab File: VN069285.D
 Acq: 29 Oct 2021 7:18

Tgt Ion: 43 Resp: 3701
 Ion Ratio Lower Upper
 43 100
 72 31.1 21.2 31.8





#29

Tetrahydrofuran

Concen: 3.103 ug/l

RT: 7.686 min Scan# 2124

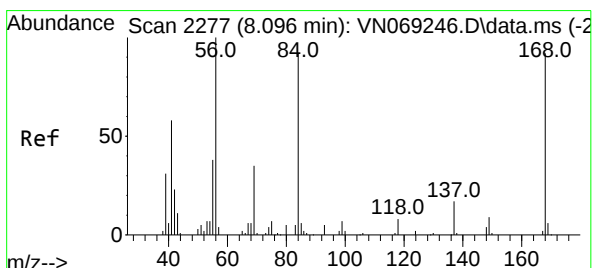
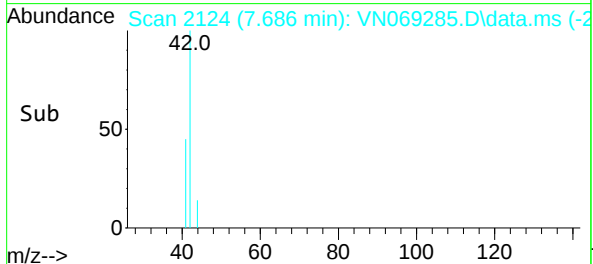
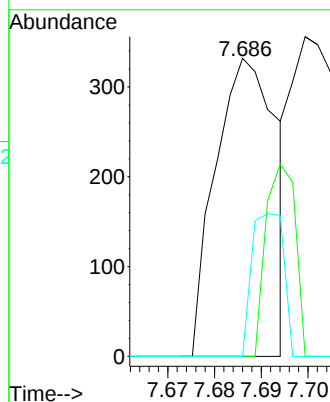
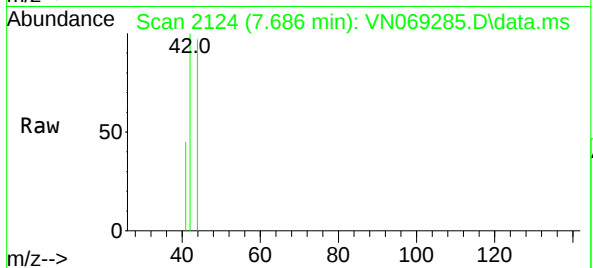
Delta R.T. 0.005 min

Lab File: VN069285.D

Acq: 29 Oct 2021 7:18

Tgt Ion:	42	Resp:	298
Ion	Ratio	Lower	Upper
42	100		
72	31.2	35.4	53.2#
71	25.2	33.8	50.6#

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.201 ug/l

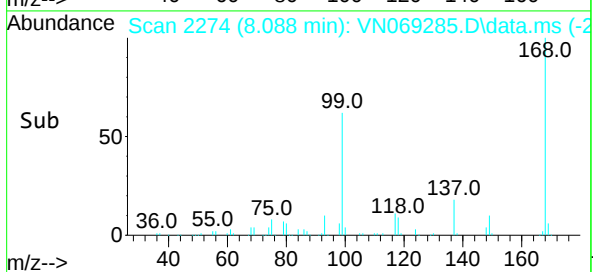
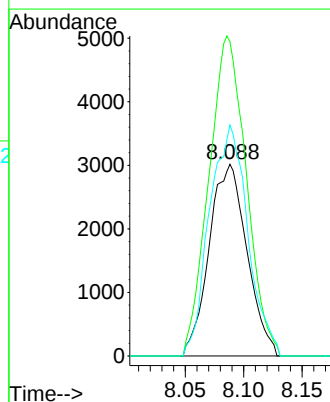
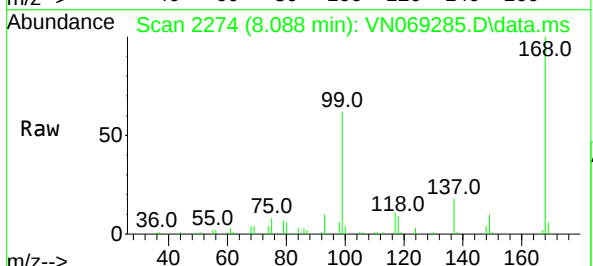
RT: 8.088 min Scan# 2274

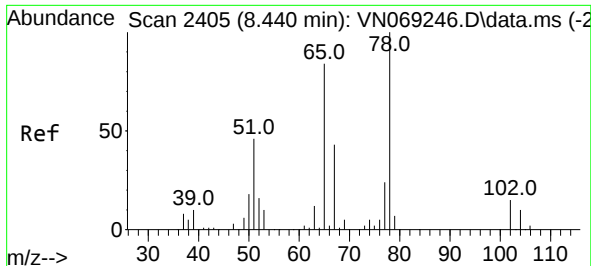
Delta R.T. -0.008 min

Lab File: VN069285.D

Acq: 29 Oct 2021 7:18

Tgt Ion:	56	Resp:	6778
Ion	Ratio	Lower	Upper
56	100		
69	164.0	26.9	40.3#
84	120.5	67.6	101.4#

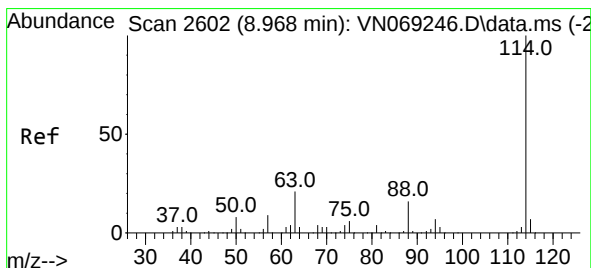
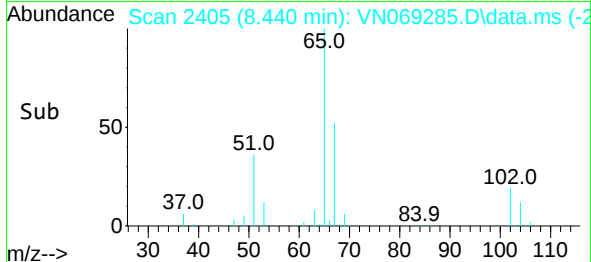
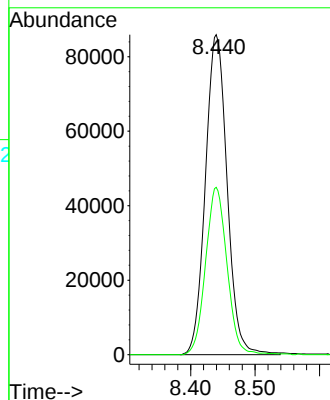
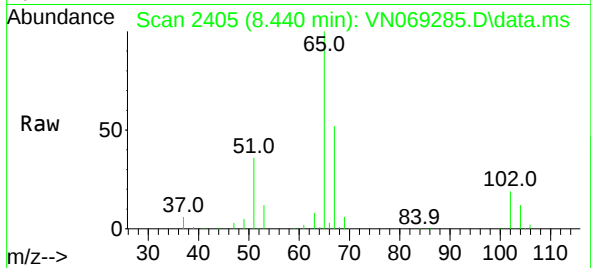




#33
 1,2-Dichloroethane-d4
 Concen: 47.763 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069285.D
 Acq: 29 Oct 2021 7:18

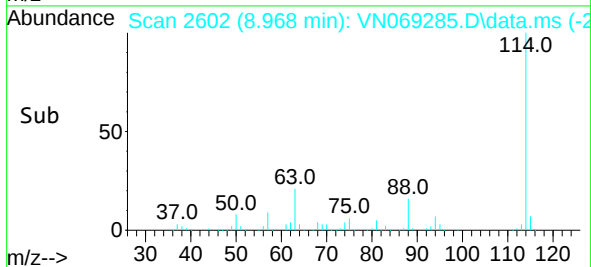
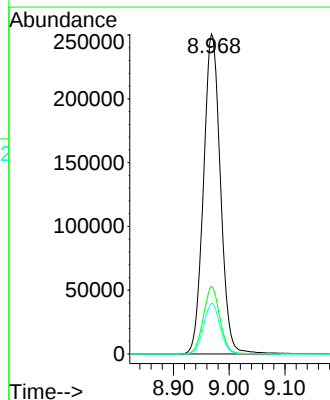
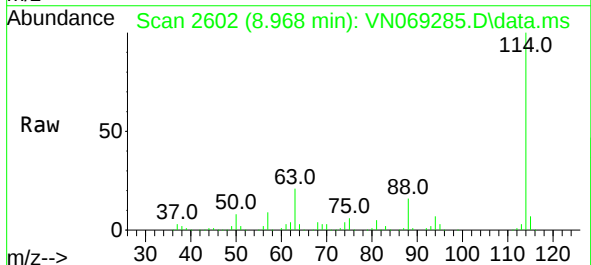
Instrument :
 MSVOA_D
 ClientSampled :

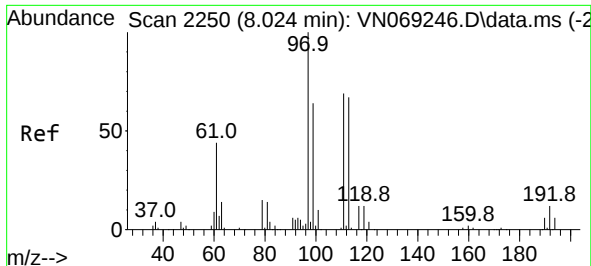
Tgt Ion: 65 Resp: 201366
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069285.D
 Acq: 29 Oct 2021 7:18

Tgt Ion: 114 Resp: 529072
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.498 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069285.D

Acq: 29 Oct 2021 7:18

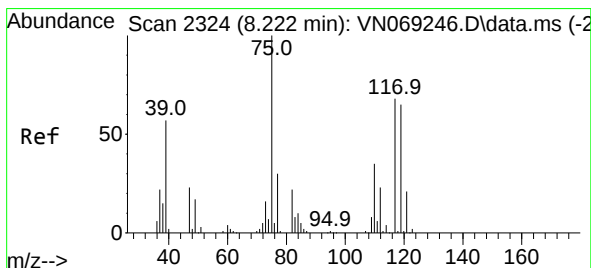
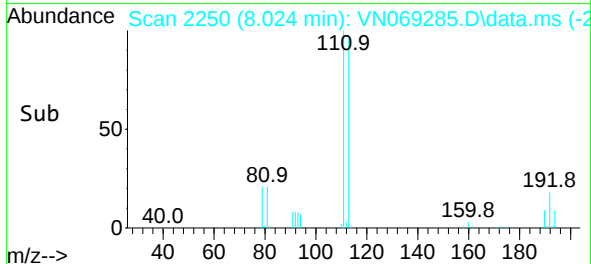
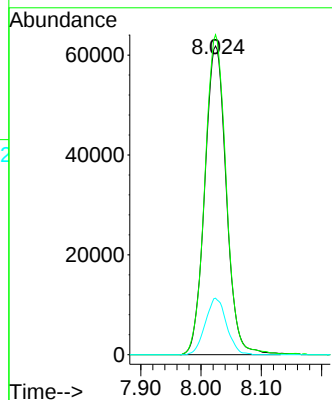
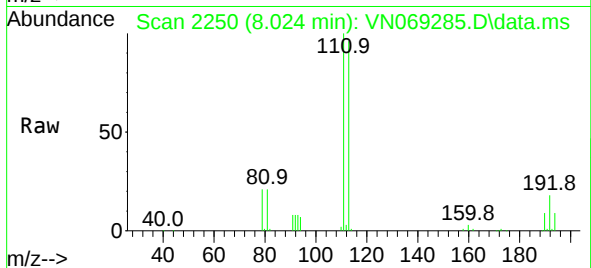
Tgt Ion: 113 Resp: 153354

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

192 18.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.367 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN069285.D

Acq: 29 Oct 2021 7:18

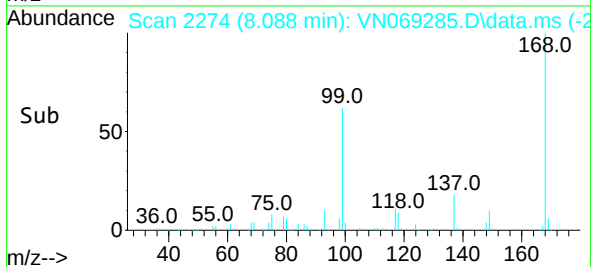
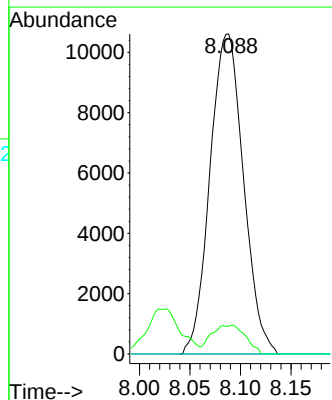
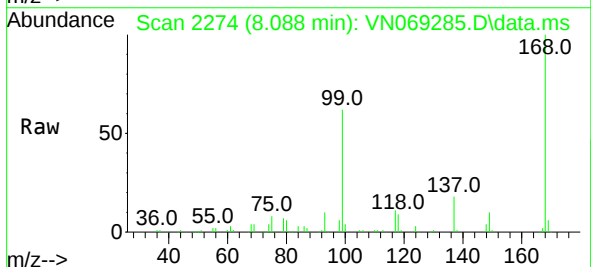
Tgt Ion: 75 Resp: 24478

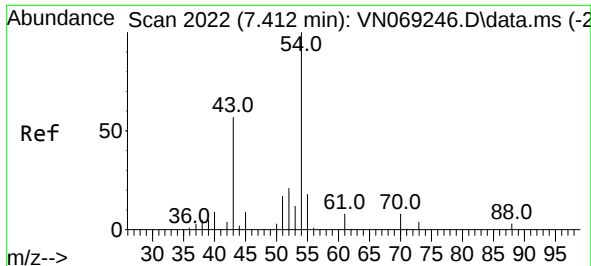
Ion Ratio Lower Upper

75 100

110 2.9 17.9 53.8#

77 0.0 24.7 37.1#

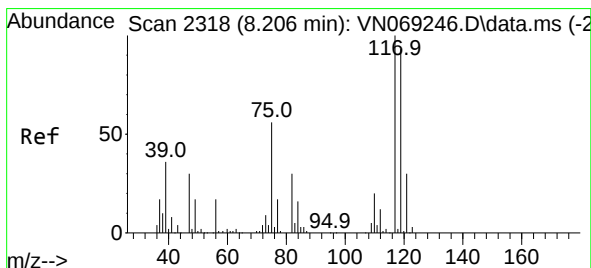
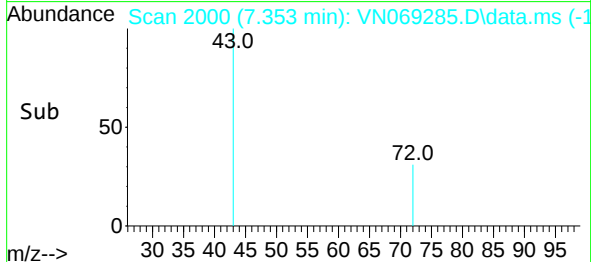
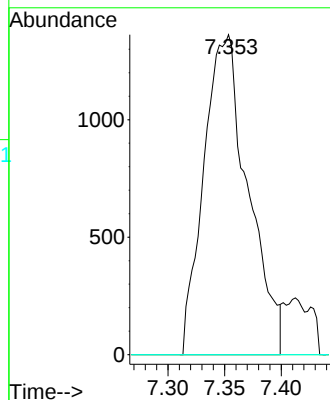
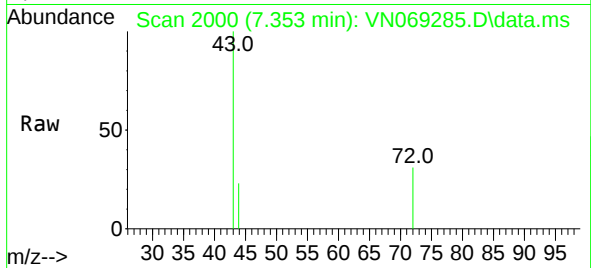




#37
Ethyl Acetate
Concen: 0.712 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.059 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

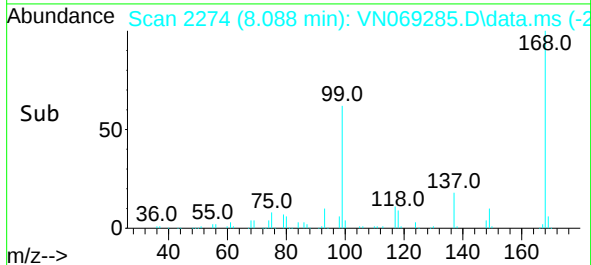
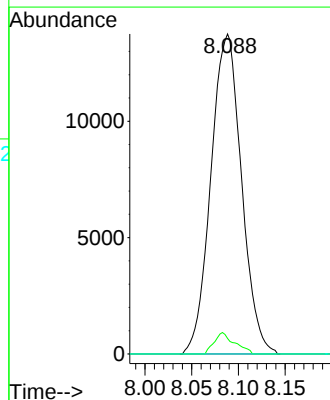
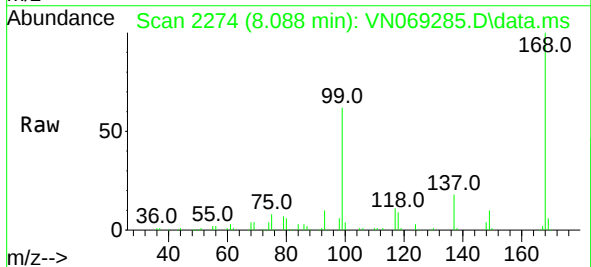
Instrument :
MSVOA_D
ClientSampleId :

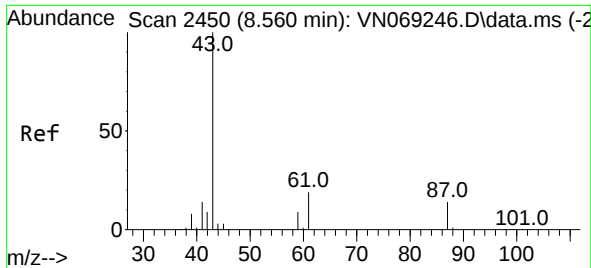
Tgt Ion: 43 Resp: 3701
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.935 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 117 Resp: 31375
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#

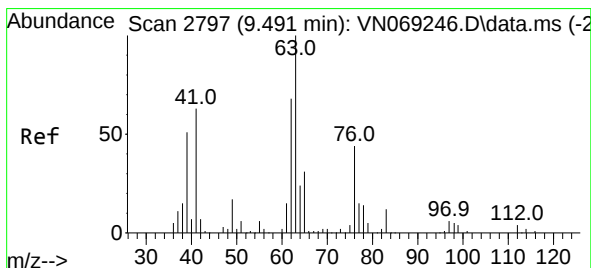
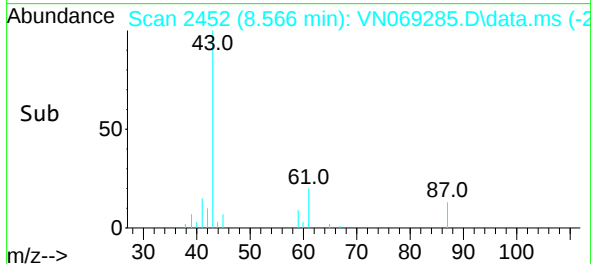
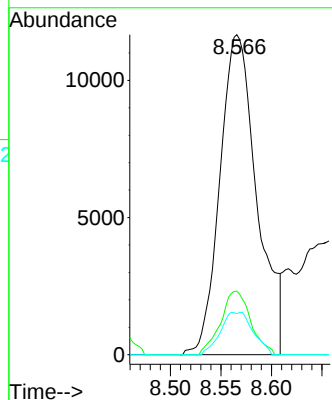
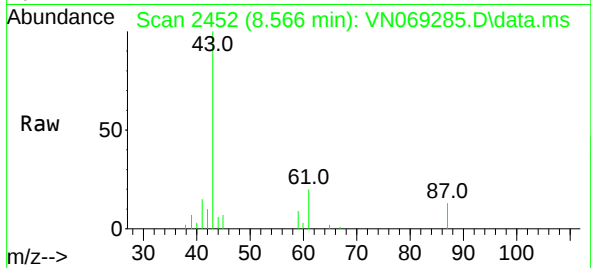




#43
Isopropyl Acetate
Concen: 3.712 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

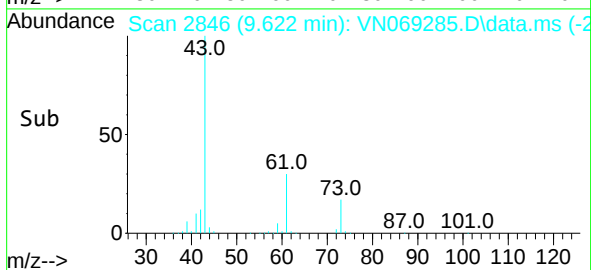
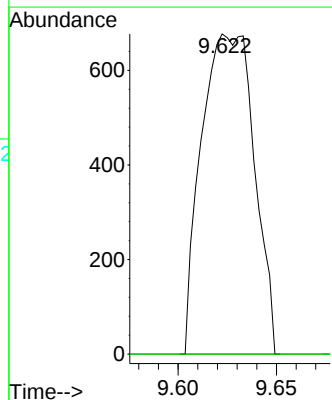
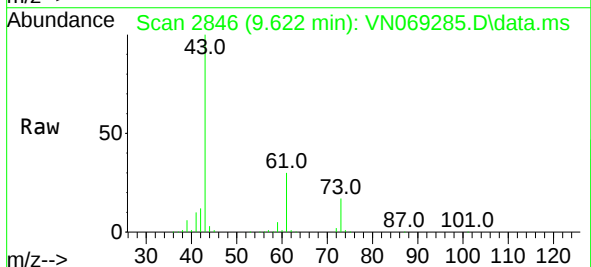
Instrument :
MSVOA_D
ClientSampled :

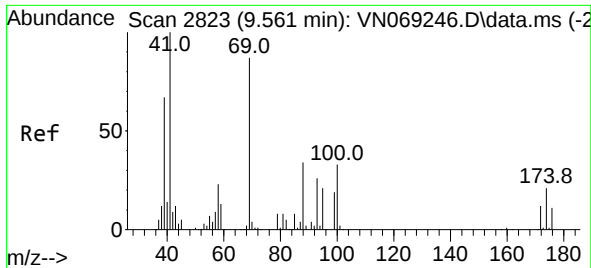
Tgt Ion: 43 Resp: 29760
Ion Ratio Lower Upper
43 100
61 16.1 20.4 30.6#
87 11.6 10.7 16.1



#45
1,2-Dichloropropane
Concen: 0.361 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 63 Resp: 1261
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

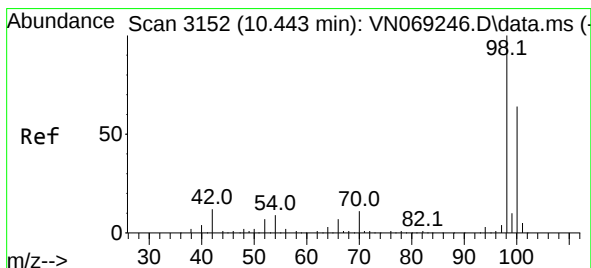
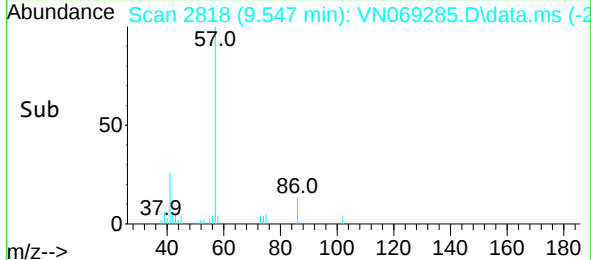
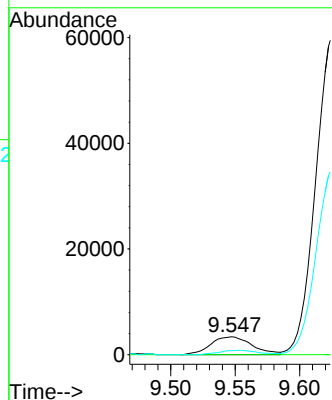
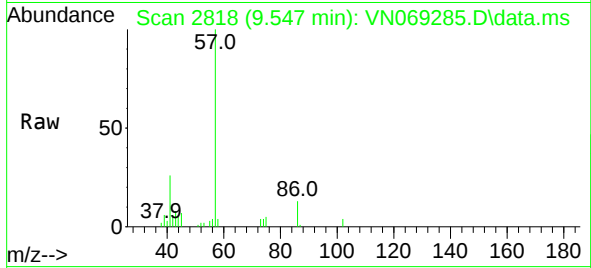




#48
Methyl methacrylate
Concen: 1.930 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

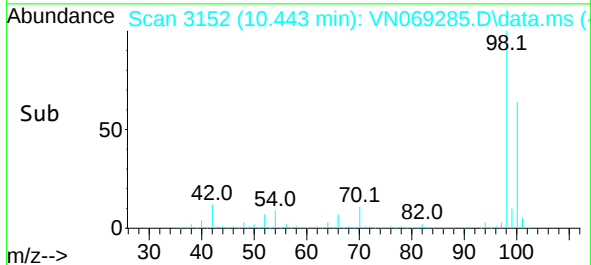
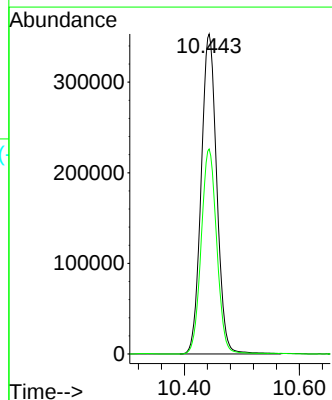
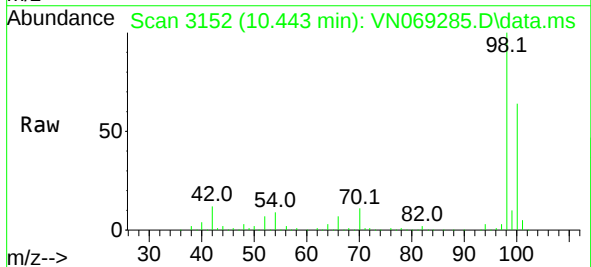
Instrument :
MSVOA_D
ClientSampled :

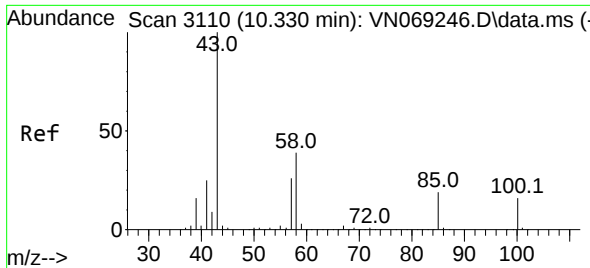
Tgt Ion: 41 Resp: 7572
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 50.406 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 98 Resp: 664690
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3

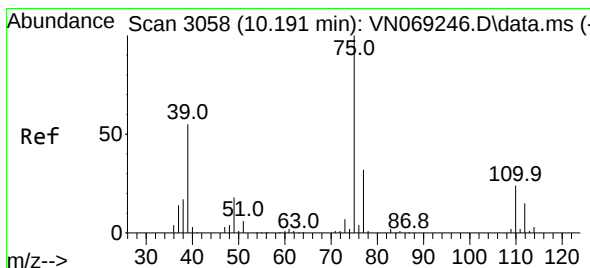
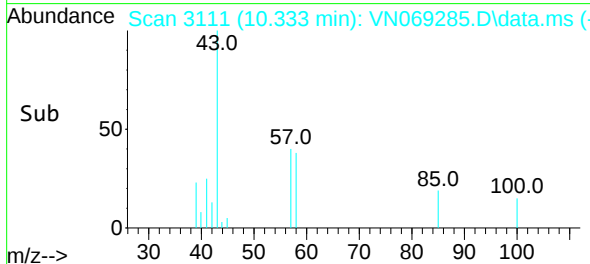
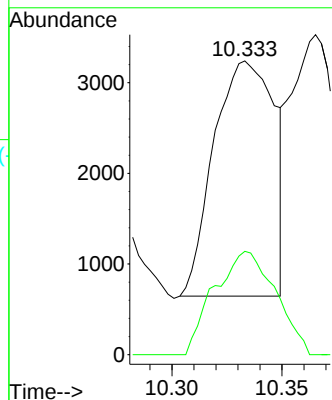
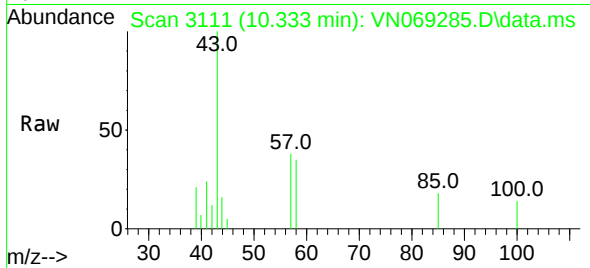




#51
4-Methyl-2-Pentanone
Concen: 7.220 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

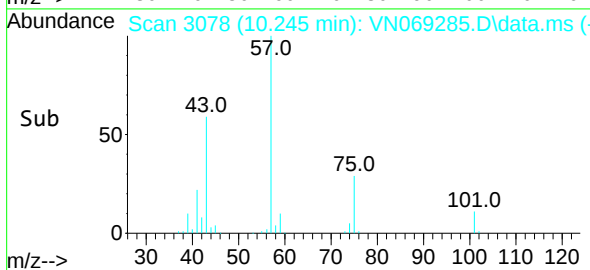
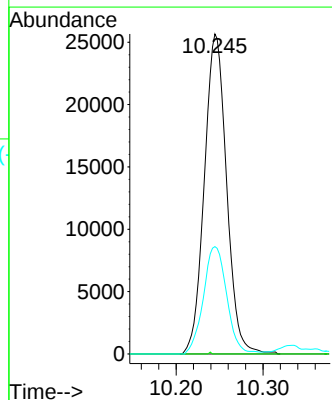
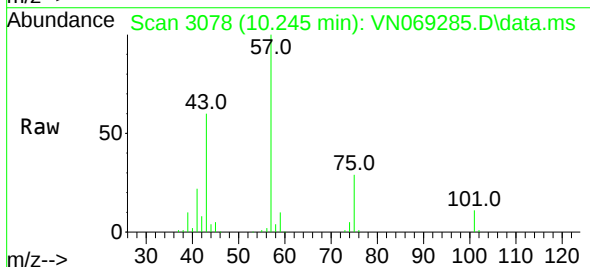
Instrument :
MSVOA_D
ClientSampled :

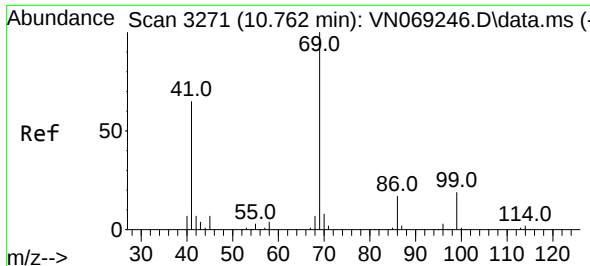
Tgt Ion: 43 Resp: 4953
Ion Ratio Lower Upper
43 100
58 44.6 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.594 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 75 Resp: 45611
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 33.5 42.9 64.3#

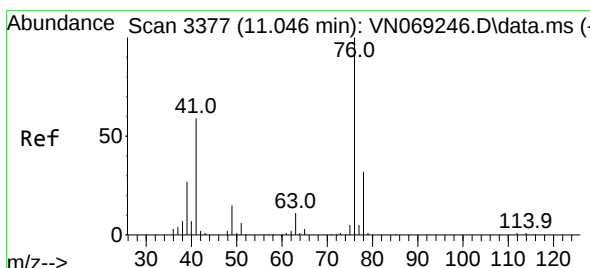
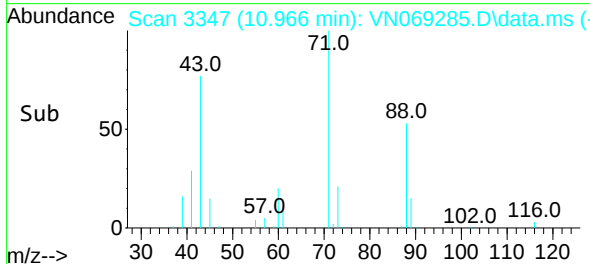
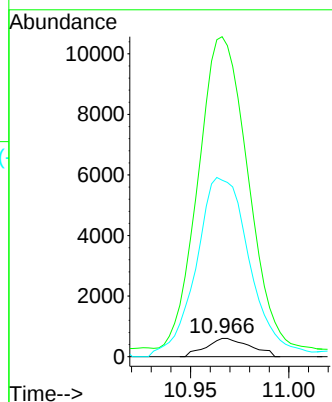
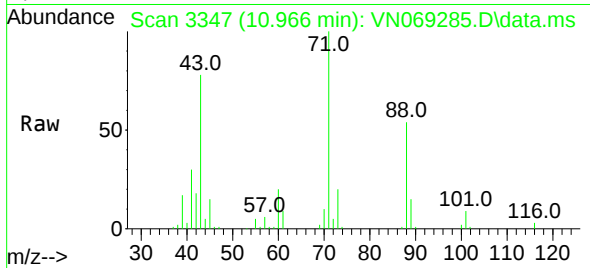




#56
Ethyl methacrylate
Concen: 1.820 ug/l
RT: 10.966 min Scan# 3347
Delta R.T. 0.204 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

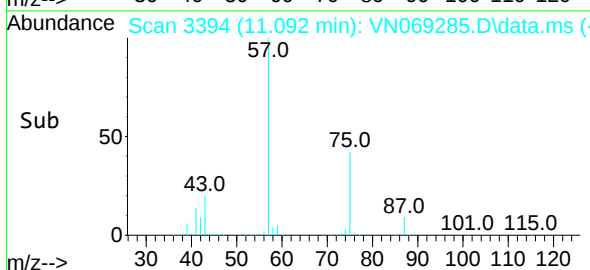
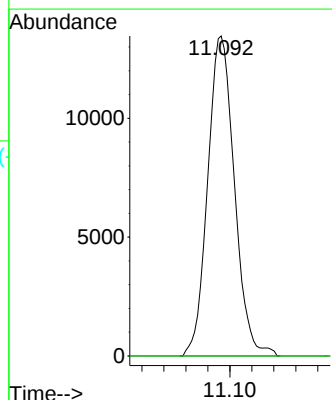
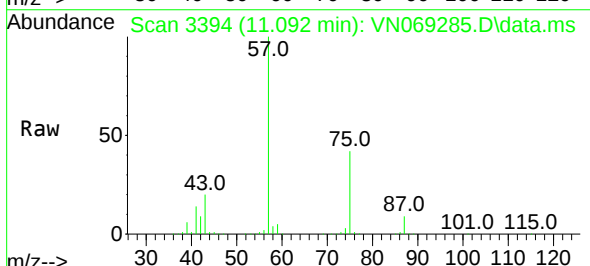
Instrument :
MSVOA_D
ClientSampled :

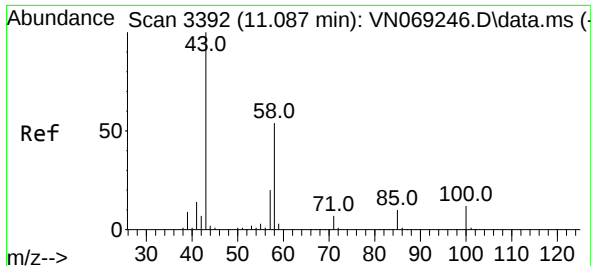
Tgt Ion: 69 Resp: 937
Ion Ratio Lower Upper
69 100
41 1992.1 53.3 79.9#
39 1199.3 33.3 49.9#



#57
1,3-Dichloropropane
Concen: 3.775 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 76 Resp: 22729
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

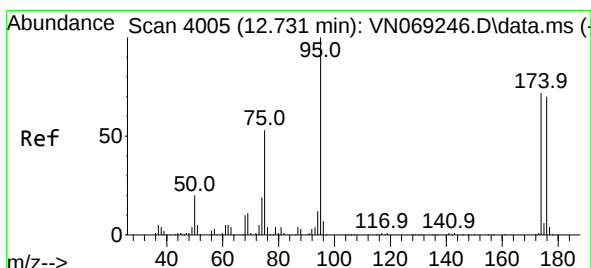
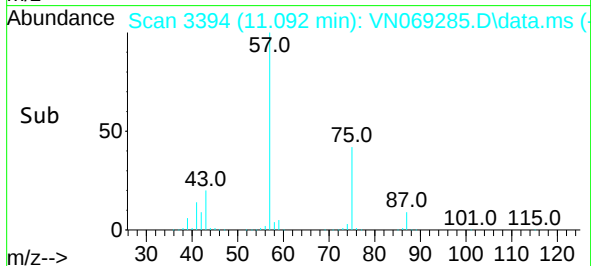
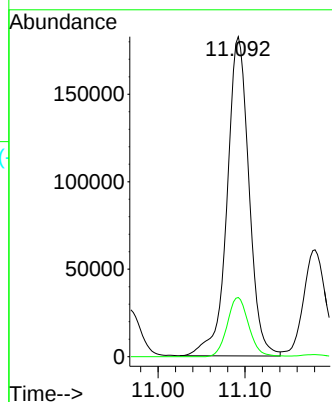
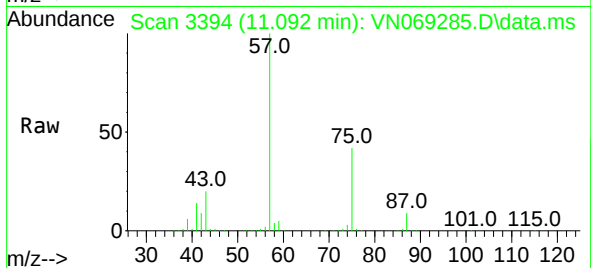




#59
2-Hexanone
Concen: 76.456 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

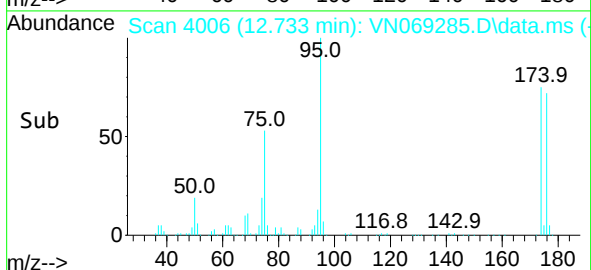
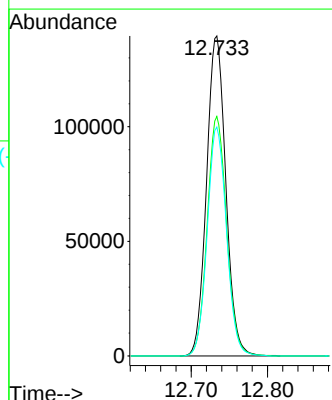
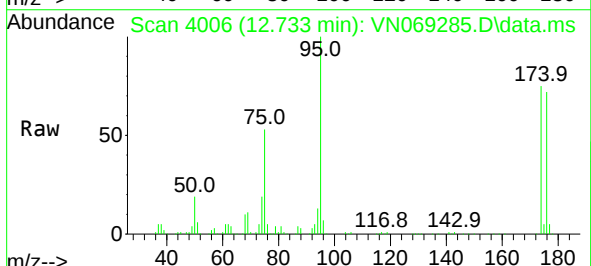
Instrument :
MSVOA_D
ClientSampled :

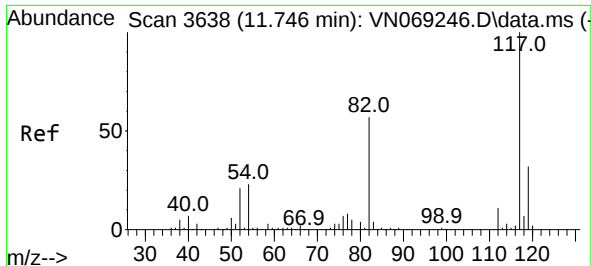
Tgt Ion: 43 Resp: 319064
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.237 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion: 95 Resp: 245004
Ion Ratio Lower Upper
95 100
174 75.4 0.0 144.8
176 71.5 0.0 140.0

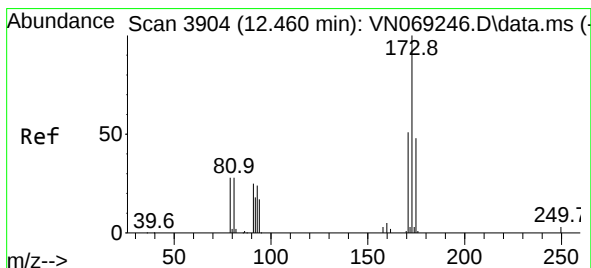
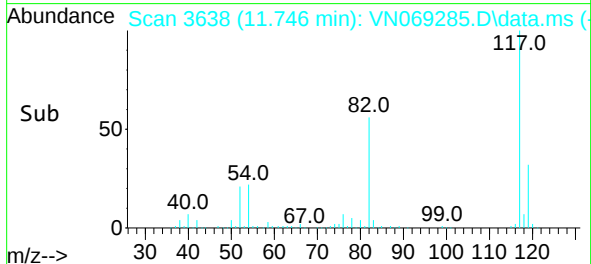
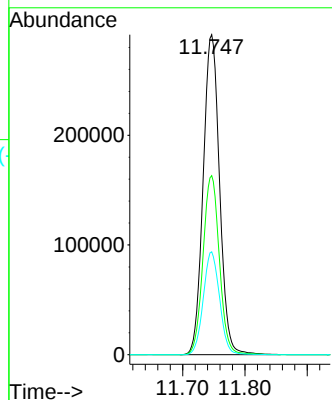
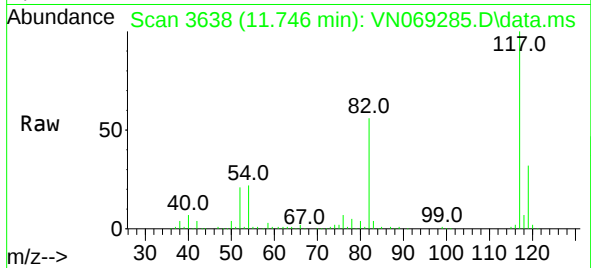




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

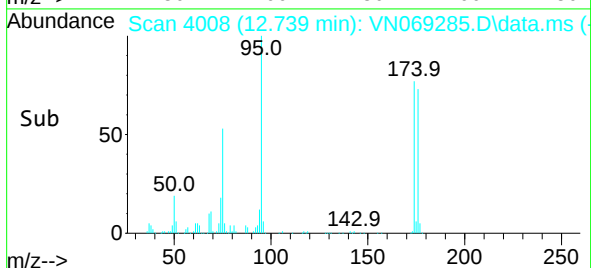
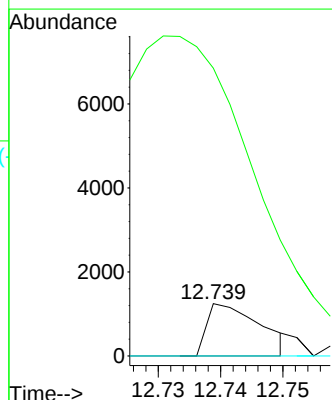
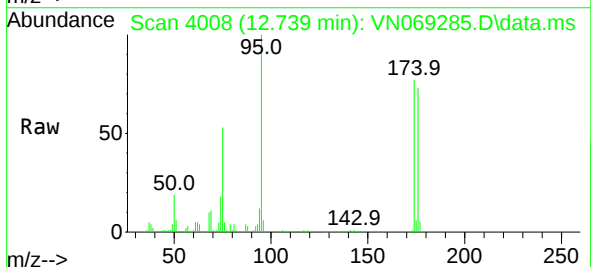
Instrument :
MSVOA_D
ClientSampleId :

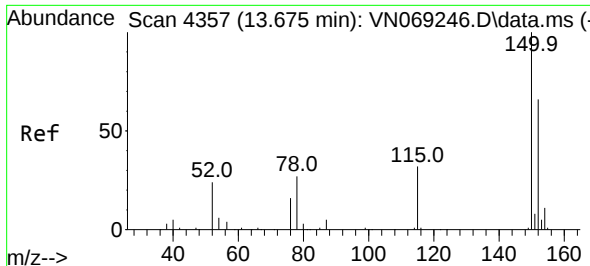
Tgt Ion:117 Resp: 533631
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 32.1 26.0 39.0



#71
Bromoform
Concen: 3.083 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion:173 Resp: 738
Ion Ratio Lower Upper
173 100
175 1700.0 23.8 71.5#
254 0.0 0.0 0.0

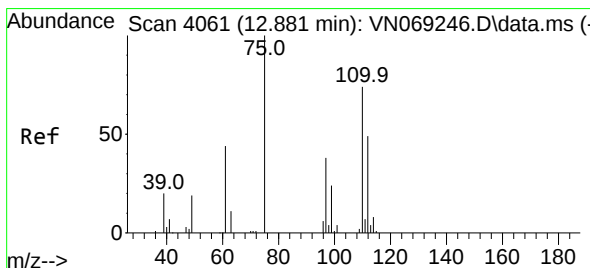
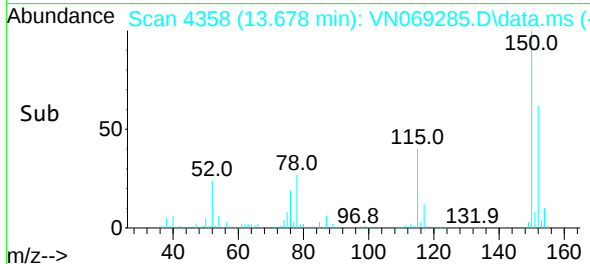
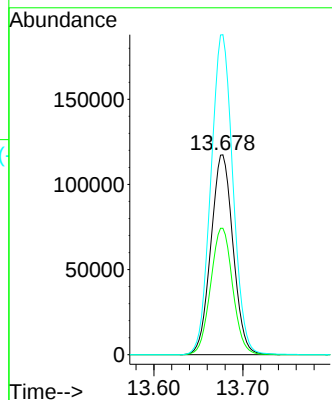
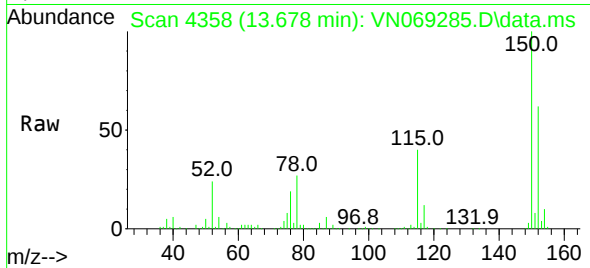




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069285.D
 Acq: 29 Oct 2021 7:18

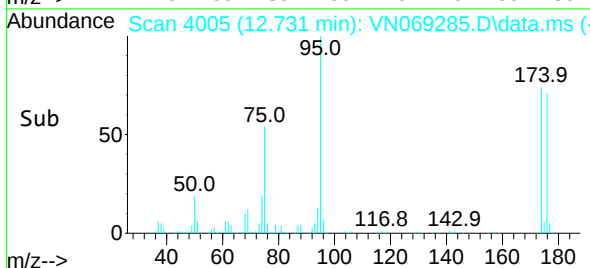
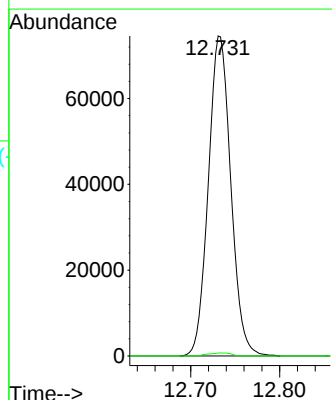
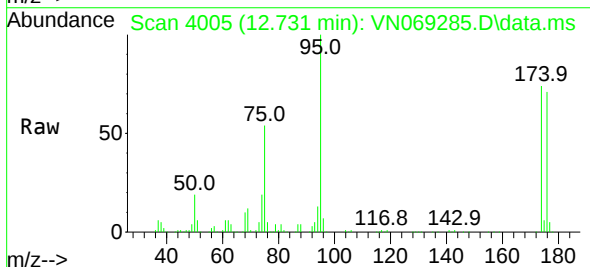
Instrument :
 MSVOA_D
 ClientSampled :

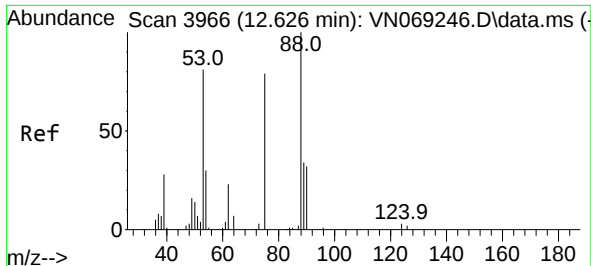
Tgt Ion:152 Resp: 203415
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.4 94.3
 150 159.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.456 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069285.D
 Acq: 29 Oct 2021 7:18

Tgt Ion: 75 Resp: 130839
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

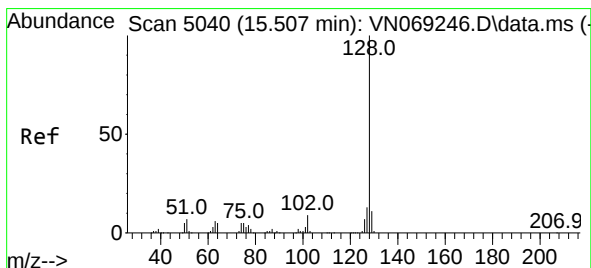
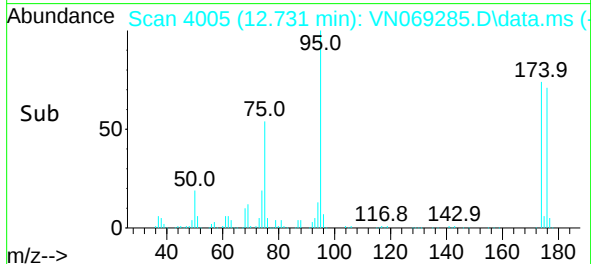
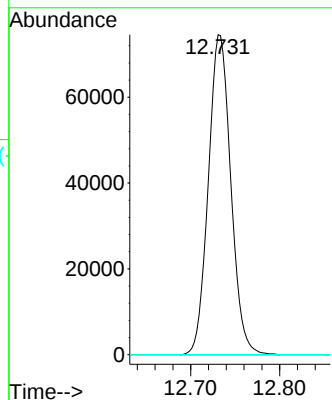
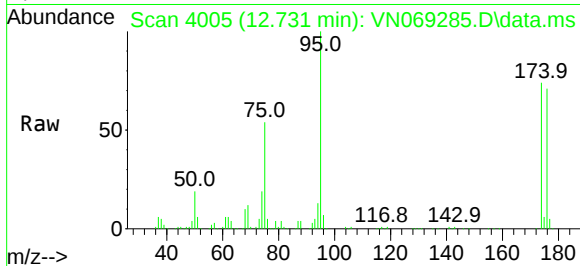




#81
trans-1,4-Dichloro-2-butene
Concen: 70.138 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 130839
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.324 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069285.D
Acq: 29 Oct 2021 7:18

Tgt Ion:128 Resp: 182
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

