

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069283.D
 Acq On : 29 Oct 2021 6:26
 Operator : JC/MD
 Sample : M4366-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:58:05 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)

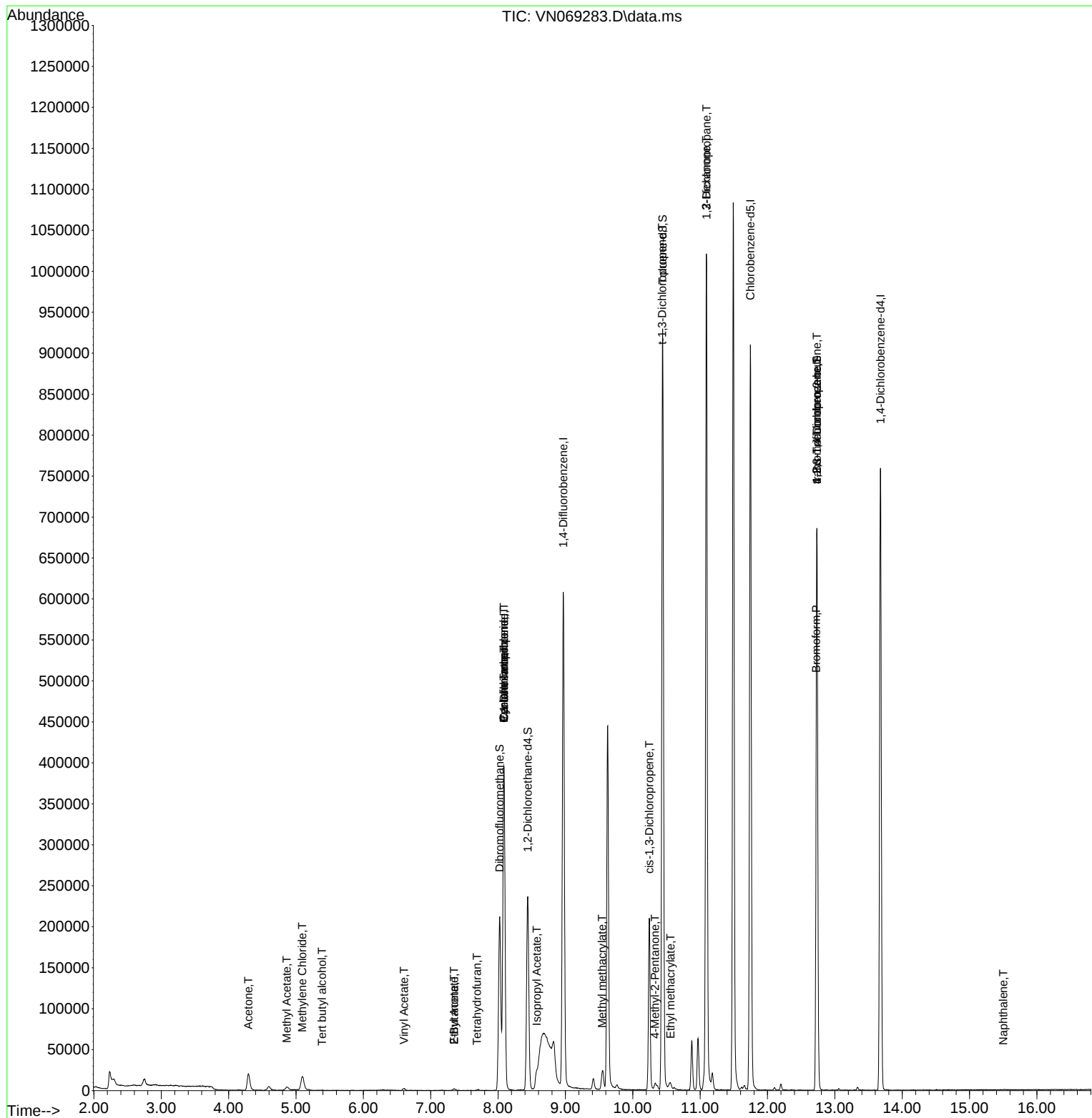
Internal Standards						
1) Pentafluorobenzene	8.088	168	299708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	535872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	532976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	201859	46.657	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.320%		
35) Dibromofluoromethane	8.024	113	153426	45.930	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.860%		
50) Toluene-d8	10.443	98	671814	50.300	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.600%		
62) 4-Bromofluorobenzene	12.733	95	244544	48.521	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	797	Below Cal	#	42
11) Tert butyl alcohol	5.388	59	184	13.614	ug/l #	72
16) Acetone	4.293	43	37389	20.284	ug/l	96
18) Methyl Acetate	4.862	43	8727	1.393	ug/l	97
20) Methylene Chloride	5.093	84	13962	3.949	ug/l	97
23) Vinyl Acetate	6.605	43	342	6.627	ug/l #	72
25) 2-Butanone	7.348	43	3646	2.916	ug/l	99
29) Tetrahydrofuran	7.686	42	300	3.100	ug/l #	69
31) Cyclohexane	8.088	56	7051	1.218	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	24093	5.215	ug/l #	49
37) Ethyl Acetate	7.348	43	3646	0.693	ug/l #	68
38) Carbon Tetrachloride	8.086	117	31169	6.822	ug/l #	16
43) Isopropyl Acetate	8.574	43	23529	2.998	ug/l #	88
48) Methyl methacrylate	9.545	41	5953	1.498	ug/l #	25
51) 4-Methyl-2-Pentanone	10.330	43	4286	7.101	ug/l #	83
53) t-1,3-Dichloropropene	10.438	75	25	1.943	ug/l #	1
54) cis-1,3-Dichloropropene	10.245	75	39348	7.546	ug/l #	63
56) Ethyl methacrylate	10.561	69	4104	2.274	ug/l	92
57) 1,3-Dichloropropane	11.095	76	11105	1.821	ug/l #	42
59) 2-Hexanone	11.092	43	165387	43.034	ug/l #	50
71) Bromoform	12.723	173	519	3.021	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	131695	24.098	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131695	69.173	ug/l #	12
95) Naphthalene	15.501	128	166	3.323	ug/l #	69

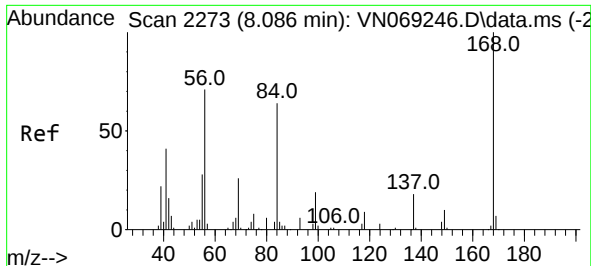
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
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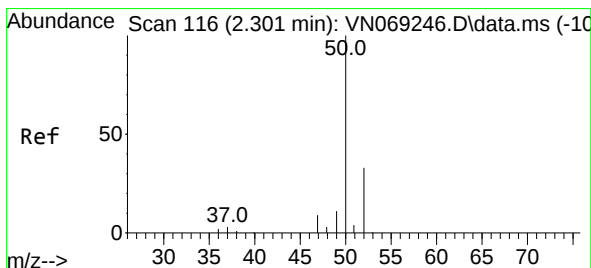
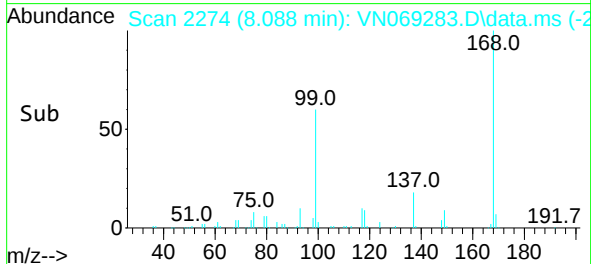
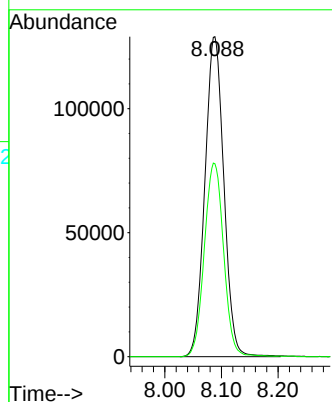
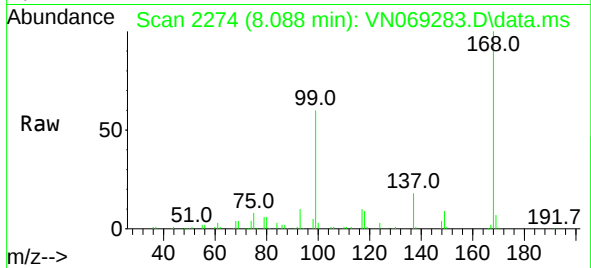




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

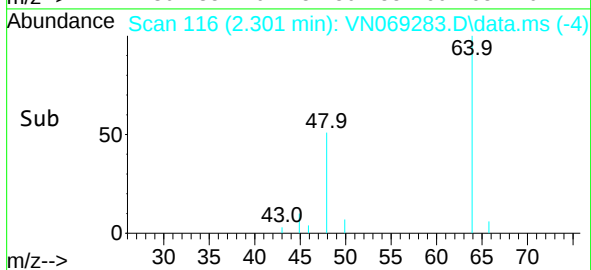
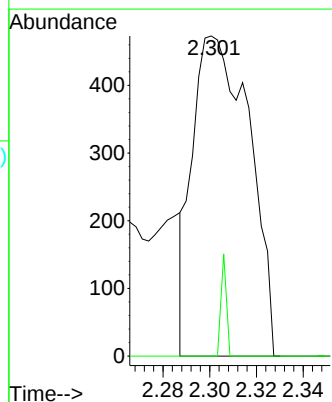
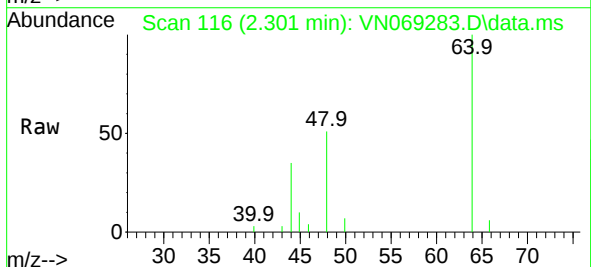
Instrument :
MSVOA_D
ClientSampled :

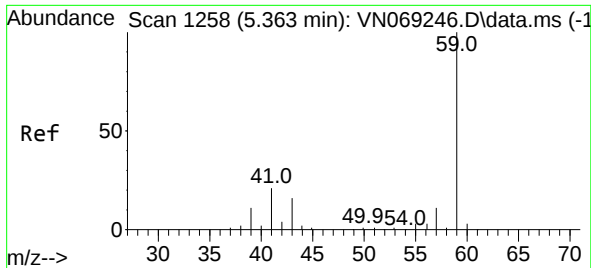
Tgt Ion:168 Resp: 299708
Ion Ratio Lower Upper
168 100
99 60.3 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

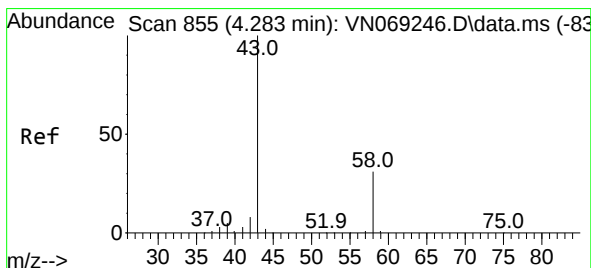
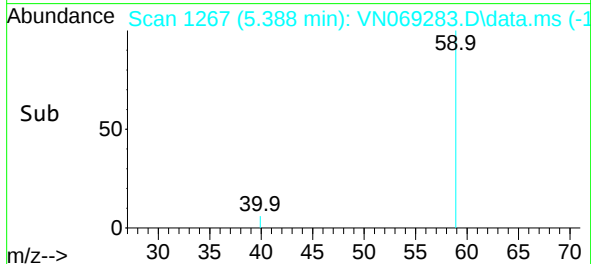
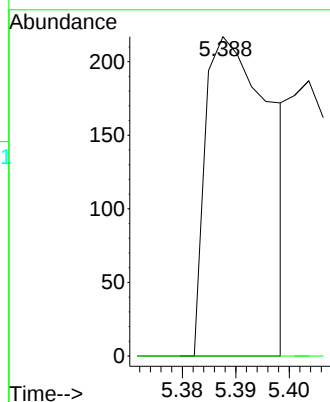
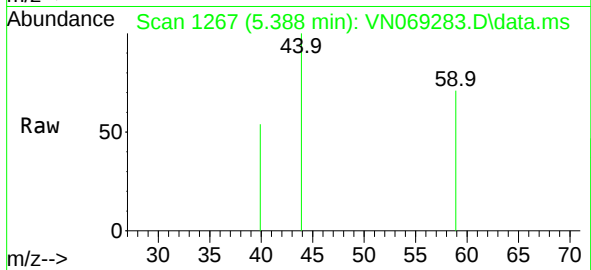




#11
Tert butyl alcohol
Concen: 13.614 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. 0.025 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

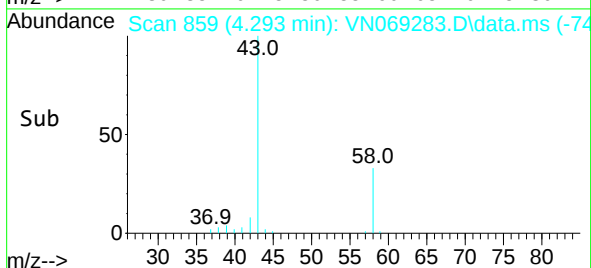
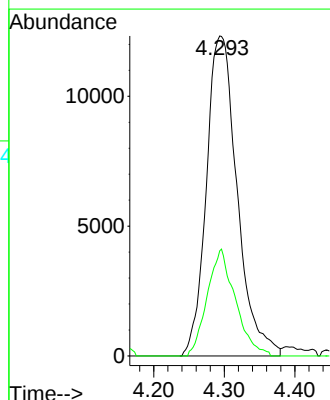
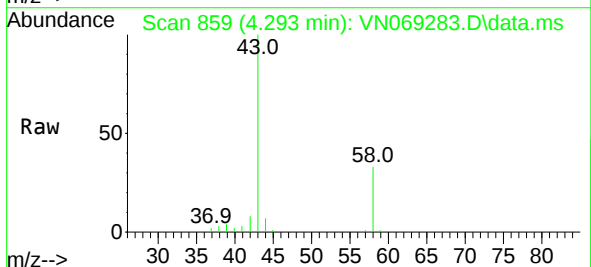
Instrument :
MSVOA_D
ClientSampled :

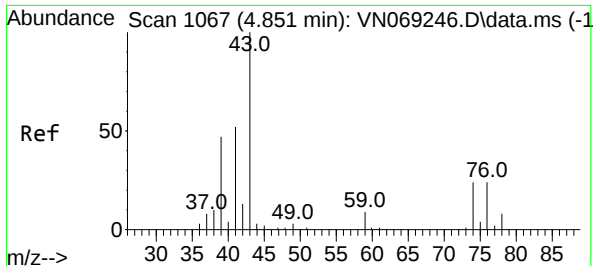
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 20.284 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.010 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 43 Resp: 37389
Ion Ratio Lower Upper
43 100
58 32.9 24.5 36.7





#18

Methyl Acetate

Concen: 1.393 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.011 min

Lab File: VN069283.D

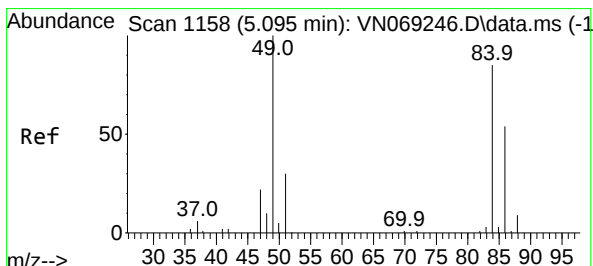
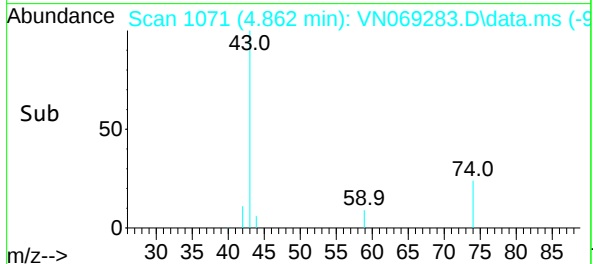
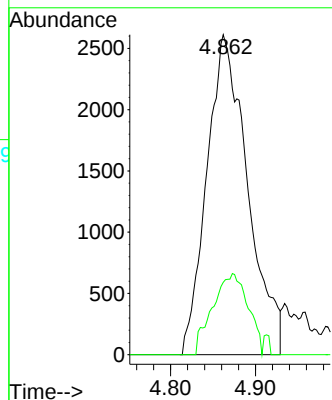
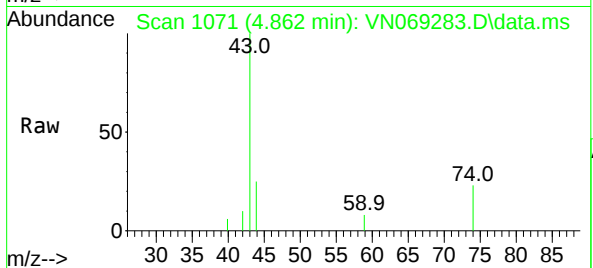
Acq: 29 Oct 2021 6:26

Tgt Ion: 43 Resp: 8727

Ion Ratio Lower Upper

43 100

74 22.0 18.9 28.3



#20

Methylene Chloride

Concen: 3.949 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN069283.D

Acq: 29 Oct 2021 6:26

Tgt Ion: 84 Resp: 13962

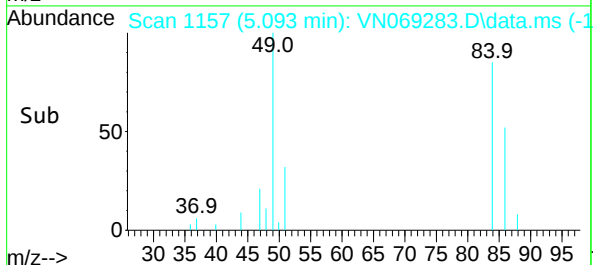
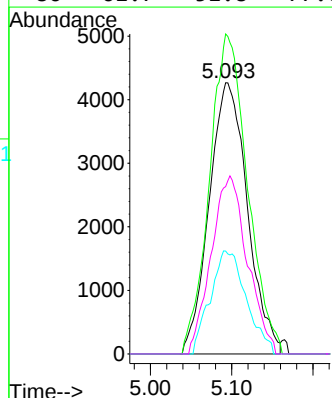
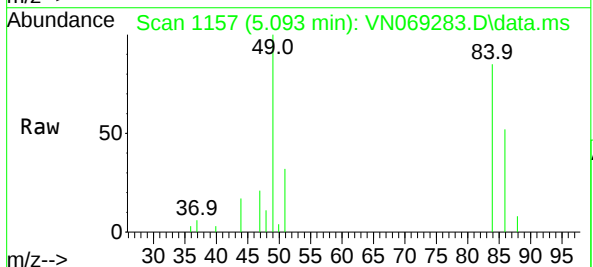
Ion Ratio Lower Upper

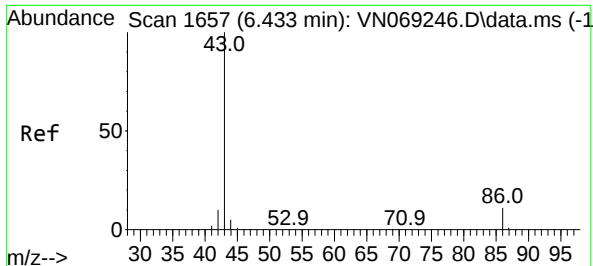
84 100

49 118.0 97.6 146.4

51 38.0 30.3 45.5

86 61.7 51.8 77.6

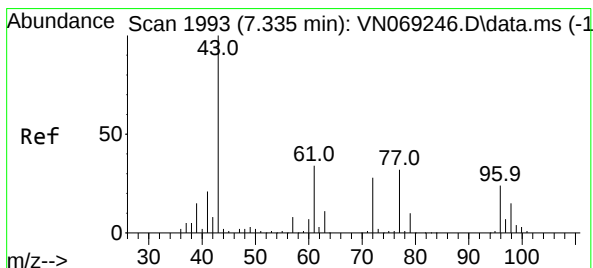
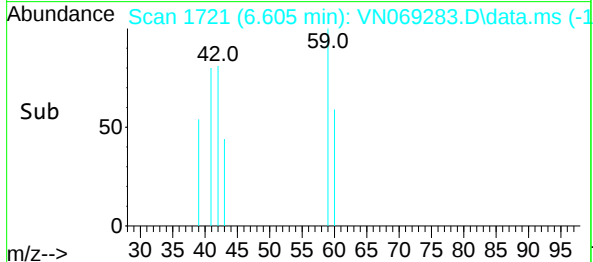
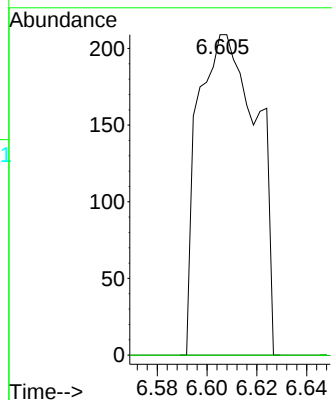
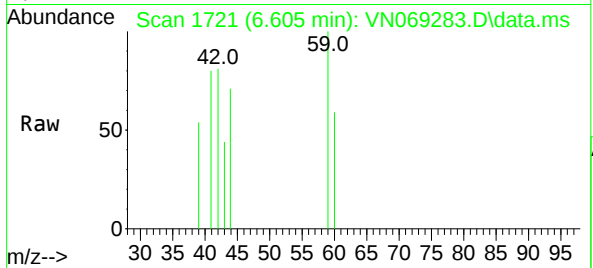




#23
 Vinyl Acetate
 Concen: 6.627 ug/l
 RT: 6.605 min Scan# 1721
 Delta R.T. 0.172 min
 Lab File: VN069283.D
 Acq: 29 Oct 2021 6:26

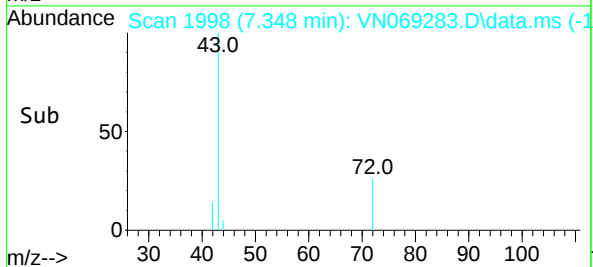
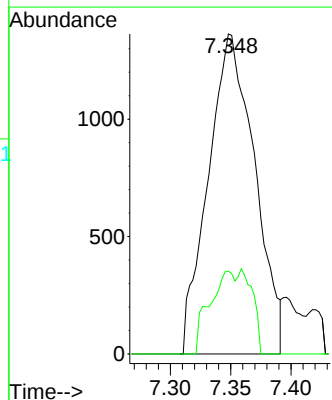
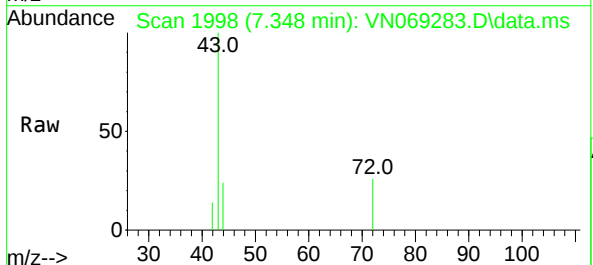
Instrument :
 MSVOA_D
 ClientSampled :

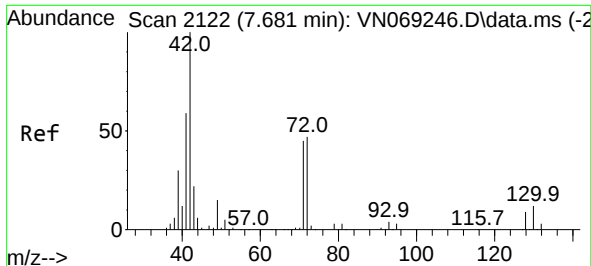
Tgt Ion: 43 Resp: 342
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.3 12.5#



#25
 2-Butanone
 Concen: 2.916 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. 0.013 min
 Lab File: VN069283.D
 Acq: 29 Oct 2021 6:26

Tgt Ion: 43 Resp: 3646
 Ion Ratio Lower Upper
 43 100
 72 25.9 21.2 31.8





#29

Tetrahydrofuran

Concen: 3.100 ug/l

RT: 7.686 min Scan# 2124

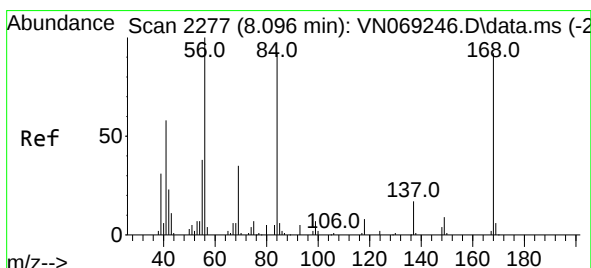
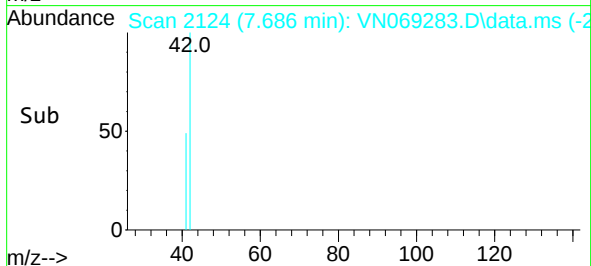
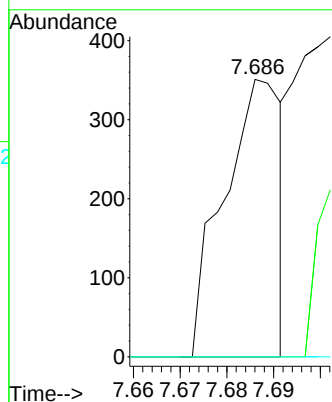
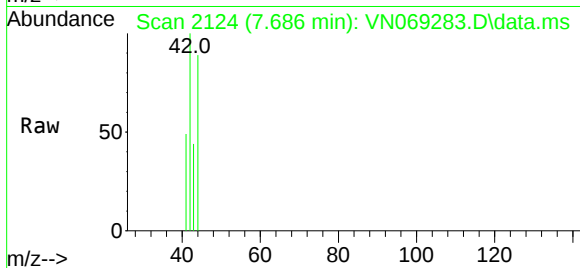
Delta R.T. 0.005 min

Lab File: VN069283.D

Acq: 29 Oct 2021 6:26

Tgt Ion:	42	Resp:	300
Ion	Ratio	Lower	Upper
42	100		
72	59.0	35.4	53.2#
71	17.3	33.8	50.6#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 1.218 ug/l

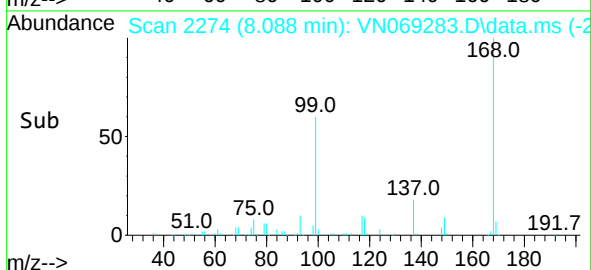
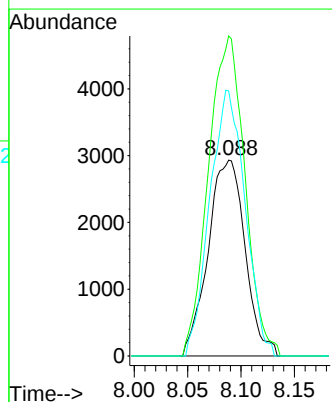
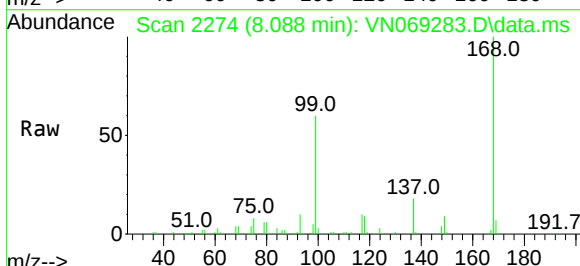
RT: 8.088 min Scan# 2274

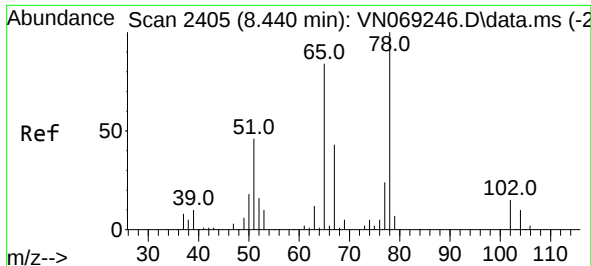
Delta R.T. -0.008 min

Lab File: VN069283.D

Acq: 29 Oct 2021 6:26

Tgt Ion:	56	Resp:	7051
Ion	Ratio	Lower	Upper
56	100		
69	163.4	26.9	40.3#
84	135.3	67.6	101.4#

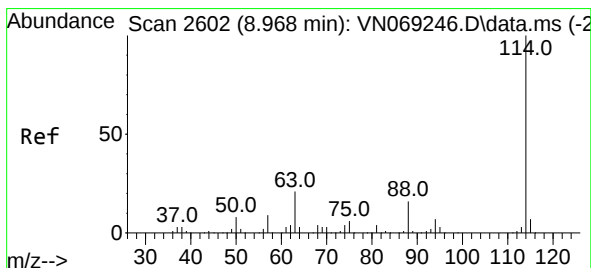
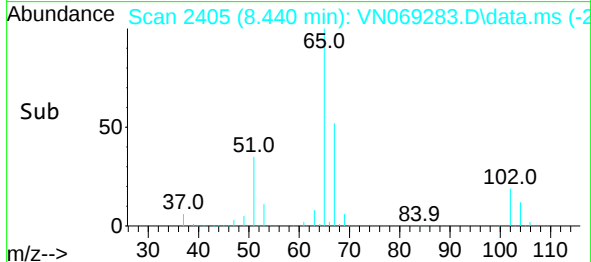
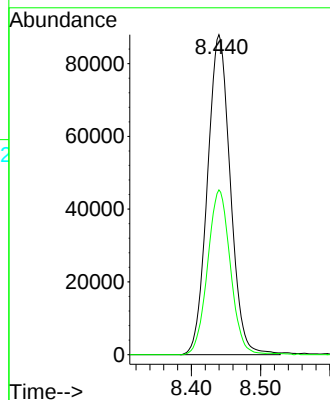
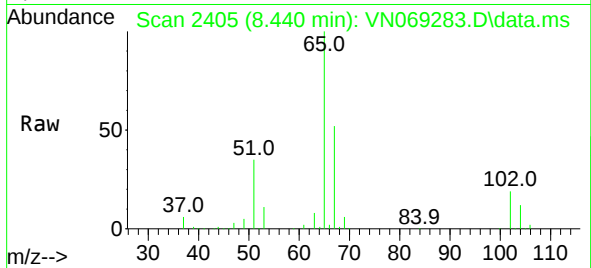




#33
 1,2-Dichloroethane-d4
 Concen: 46.657 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069283.D
 Acq: 29 Oct 2021 6:26

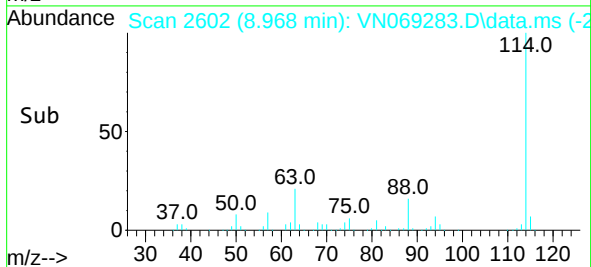
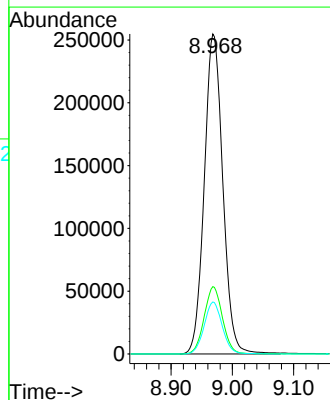
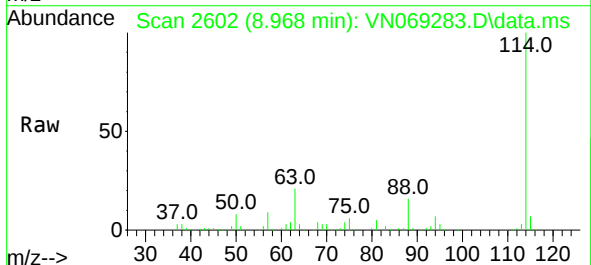
Instrument :
 MSVOA_D
 ClientSampled :

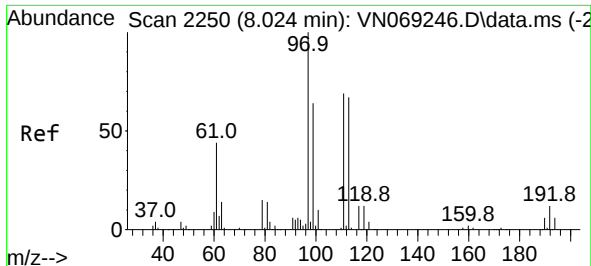
Tgt Ion: 65 Resp: 201859
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069283.D
 Acq: 29 Oct 2021 6:26

Tgt Ion: 114 Resp: 535872
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 16.2 0.0 32.0

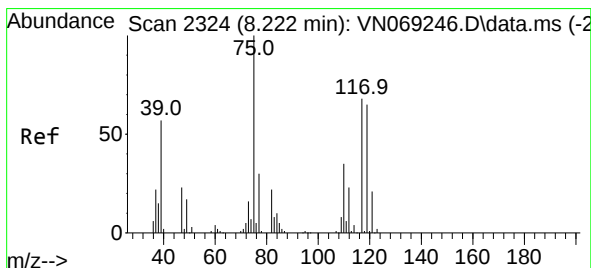
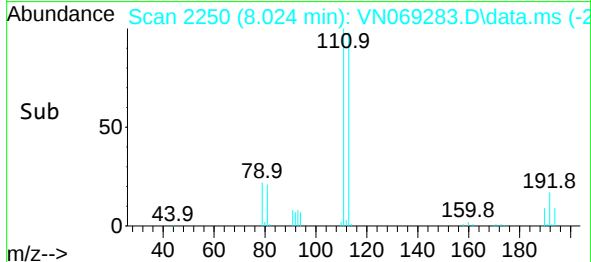
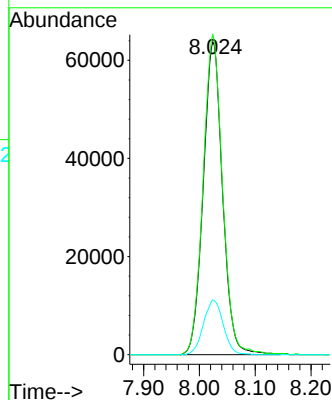
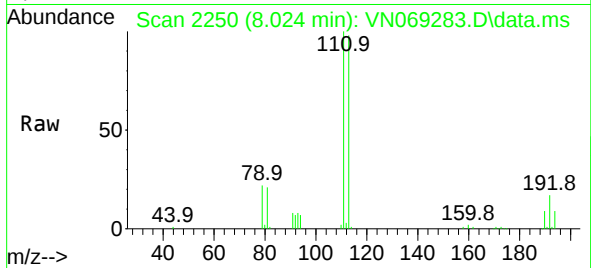




#35
Dibromofluoromethane
Concen: 45.930 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

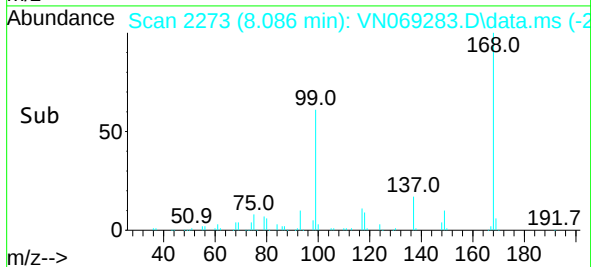
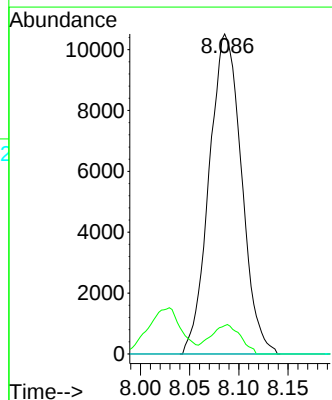
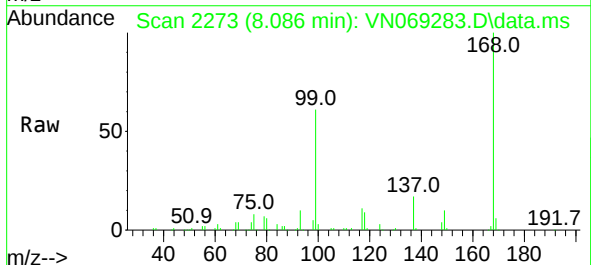
Instrument :
MSVOA_D
ClientSampleId :

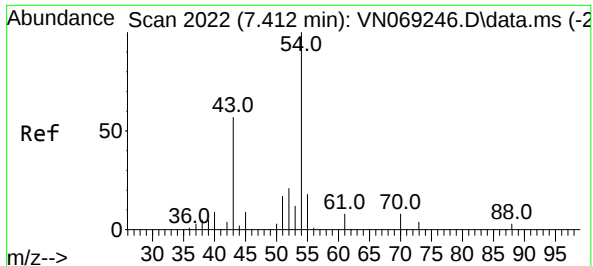
Tgt Ion:113 Resp: 153426
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 18.0 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.215 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 75 Resp: 24093
Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.7 37.1#

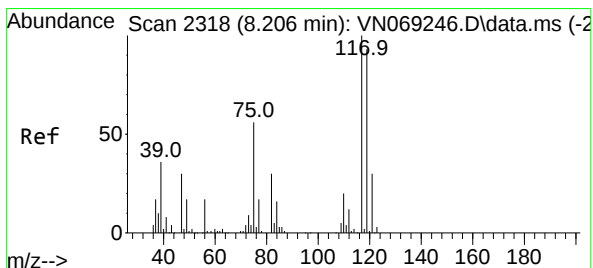
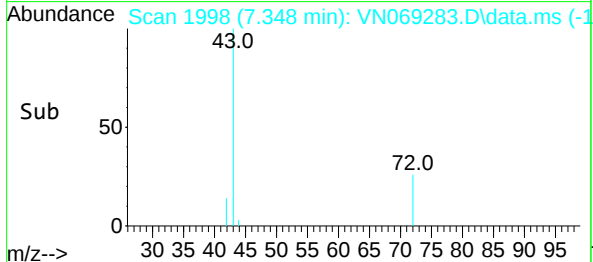
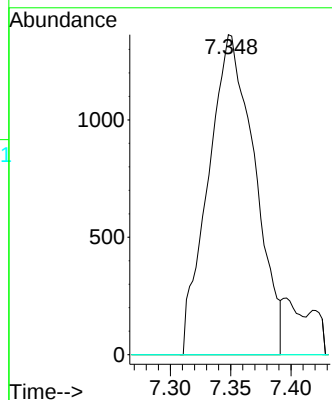
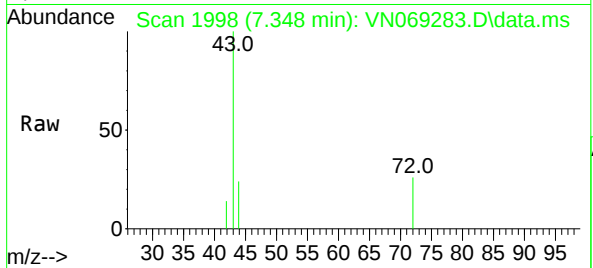




#37
Ethyl Acetate
Concen: 0.693 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.064 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

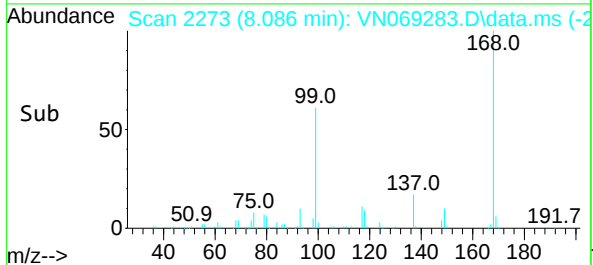
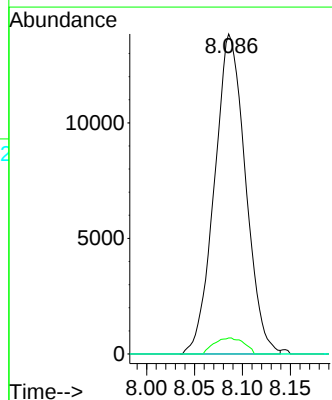
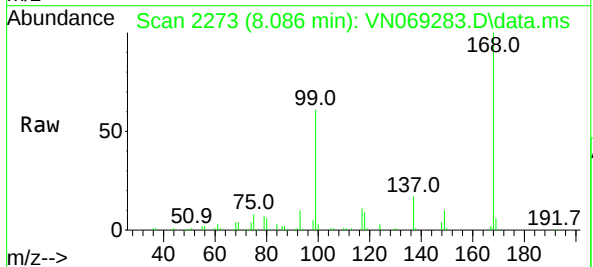
Instrument :
MSVOA_D
ClientSampleId :

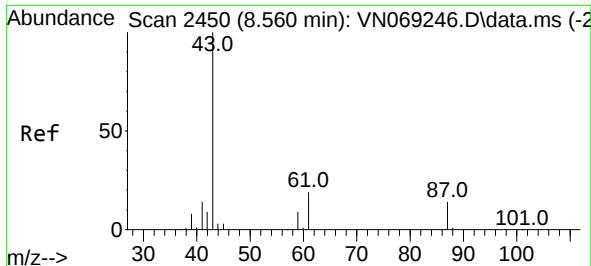
Tgt Ion: 43 Resp: 3646
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.822 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 117 Resp: 31169
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#

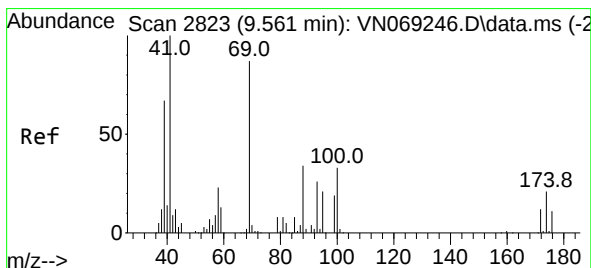
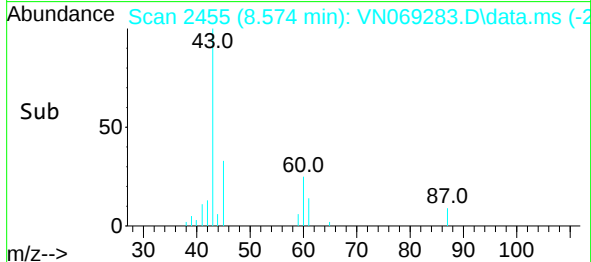
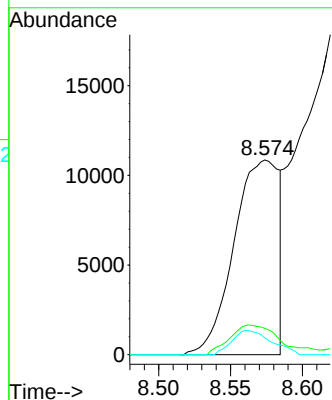
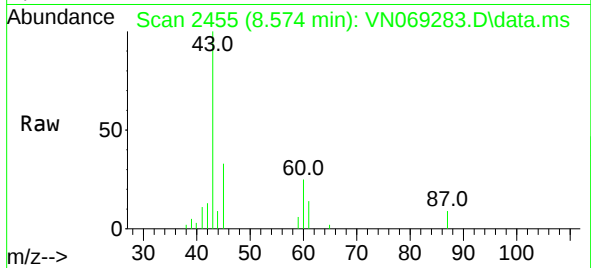




#43
Isopropyl Acetate
Concen: 2.998 ug/l
RT: 8.574 min Scan# 2455
Delta R.T. 0.014 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

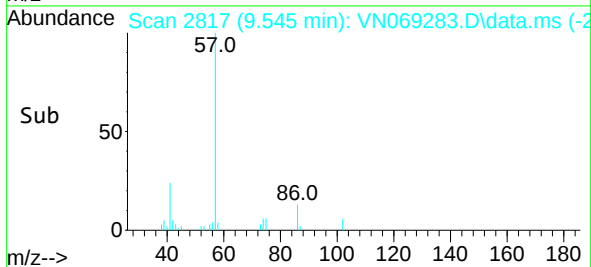
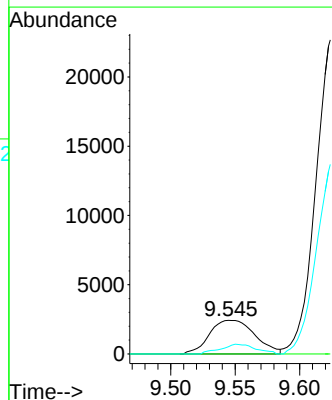
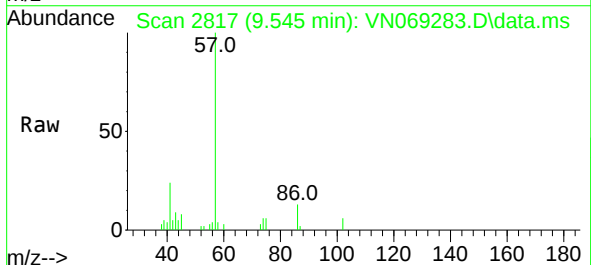
Instrument :
MSVOA_D
ClientSampled :

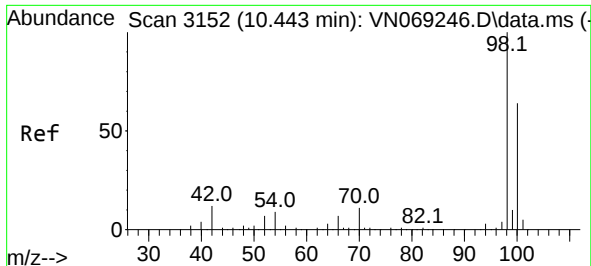
Tgt Ion: 43 Resp: 23529
Ion Ratio Lower Upper
43 100
61 17.5 20.4 30.6#
87 11.0 10.7 16.1



#48
Methyl methacrylate
Concen: 1.498 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 41 Resp: 5953
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 22.5 50.2 75.2#

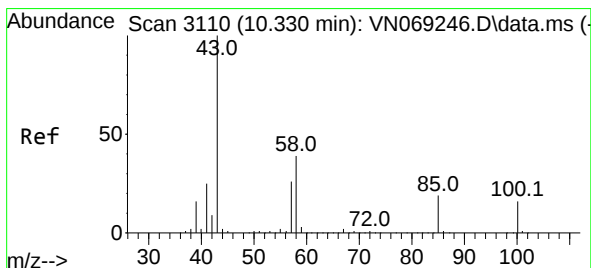
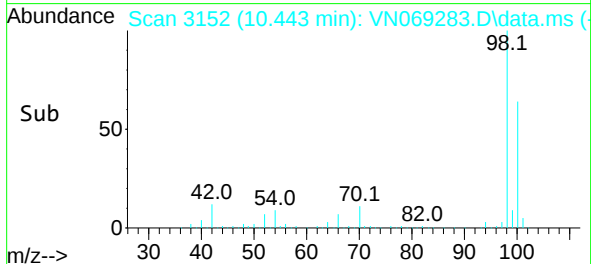
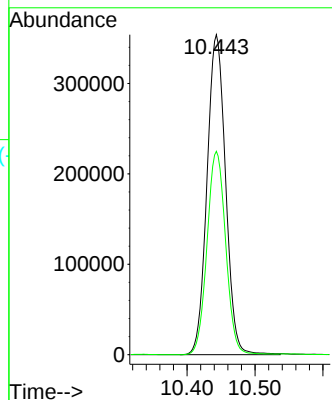
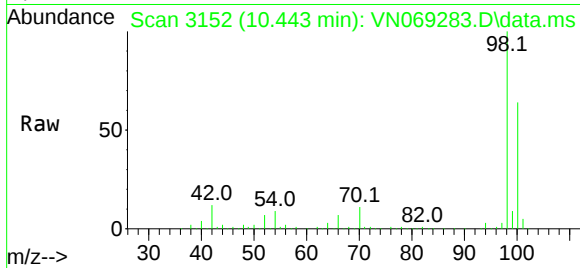




#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

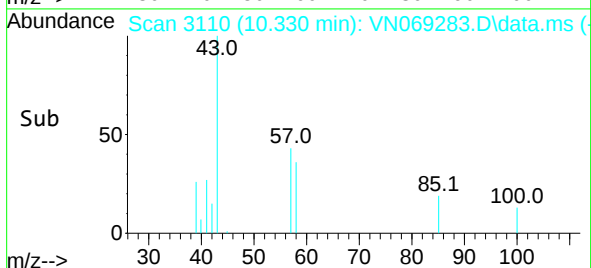
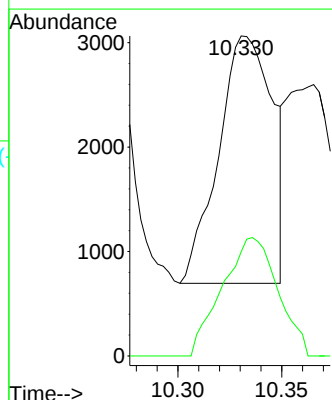
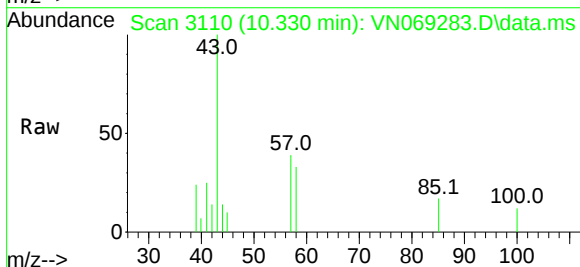
Instrument :
MSVOA_D
ClientSampled :

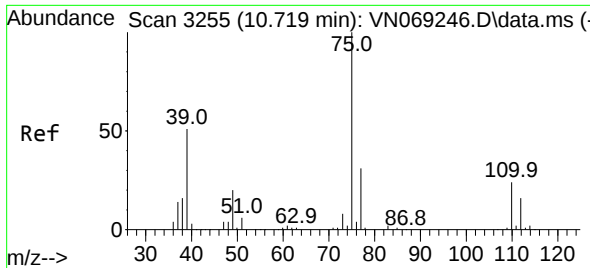
Tgt Ion: 98 Resp: 671814
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 7.101 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 43 Resp: 4286
Ion Ratio Lower Upper
43 100
58 49.2 31.0 46.4#

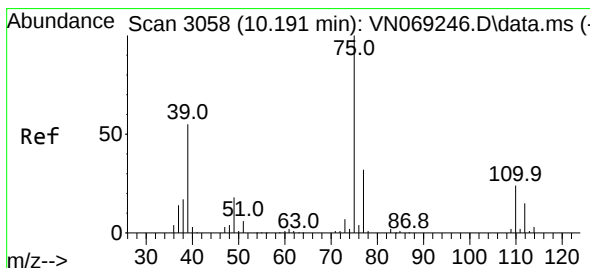
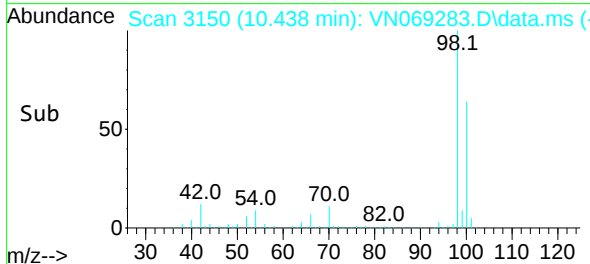
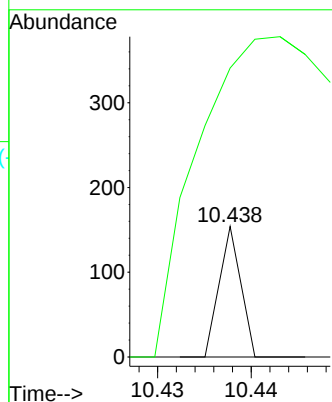
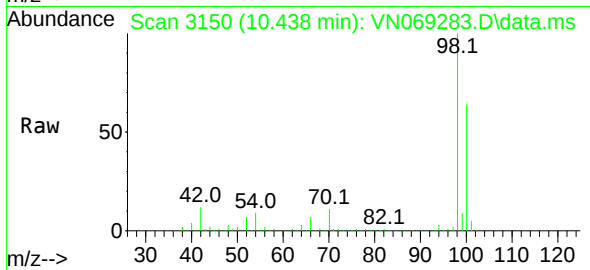




#53
t-1,3-Dichloropropene
Concen: 1.943 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.281 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

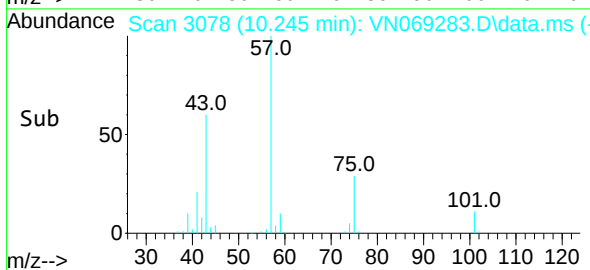
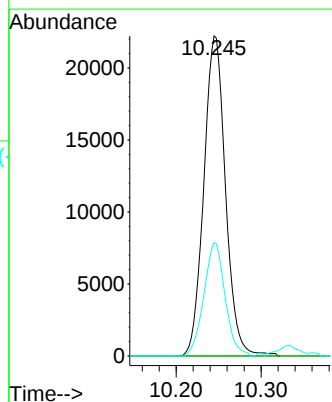
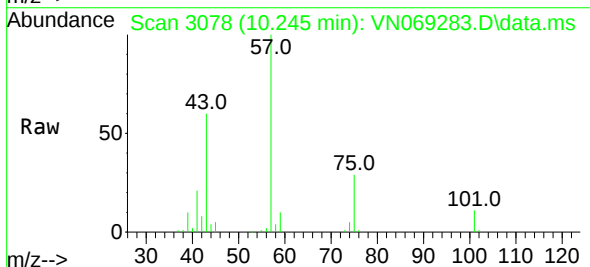
Instrument :
MSVOA_D
ClientSampled :

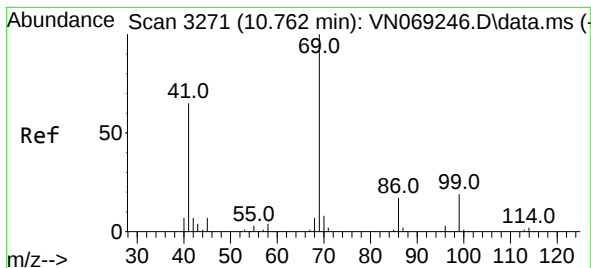
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 99.4 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 7.546 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 75 Resp: 39348
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 35.5 42.9 64.3#

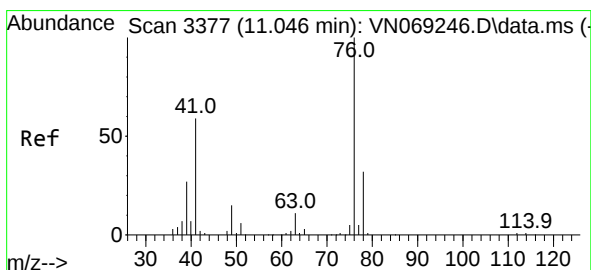
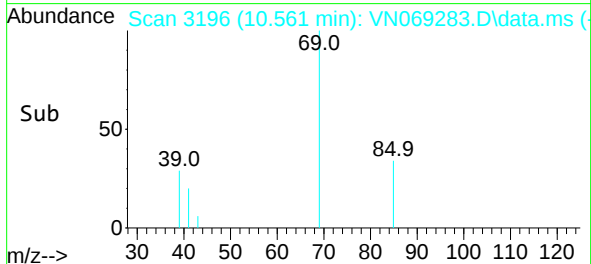
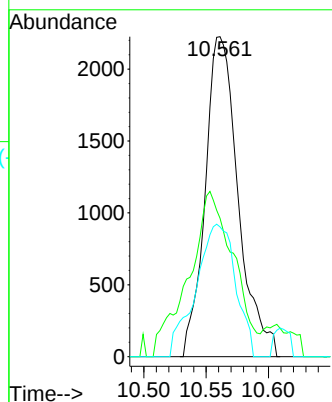
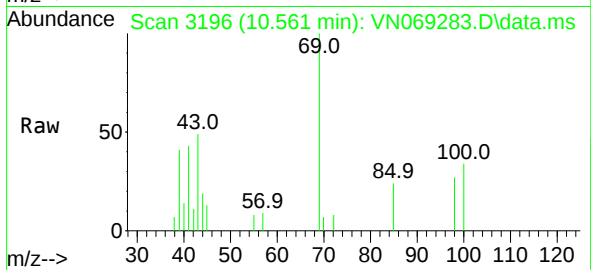




#56
Ethyl methacrylate
Concen: 2.274 ug/l
RT: 10.561 min Scan# 3196
Delta R.T. -0.201 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

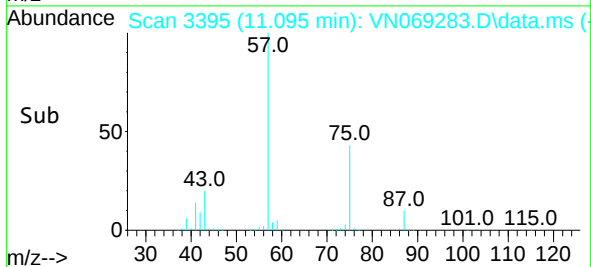
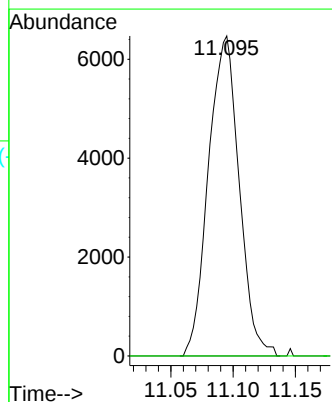
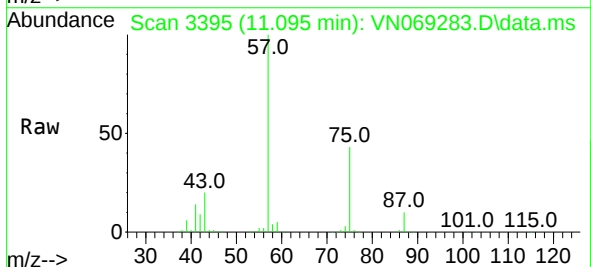
Instrument :
MSVOA_D
ClientSampled :

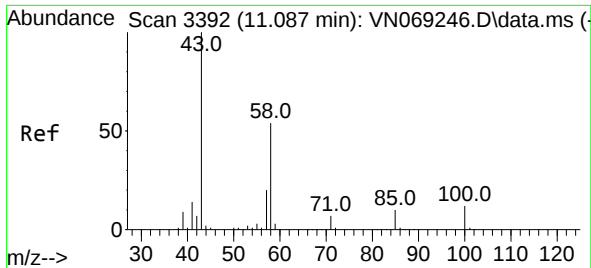
Tgt Ion: 69 Resp: 4104
Ion Ratio Lower Upper
69 100
41 70.6 53.3 79.9
39 49.6 33.3 49.9



#57
1,3-Dichloropropane
Concen: 1.821 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 76 Resp: 11105
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

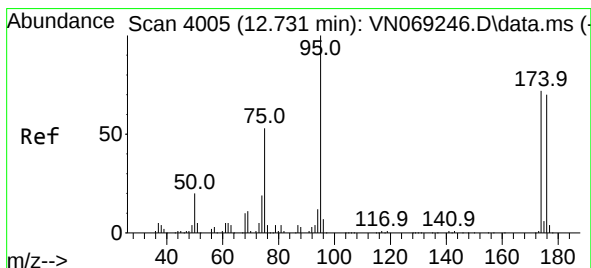
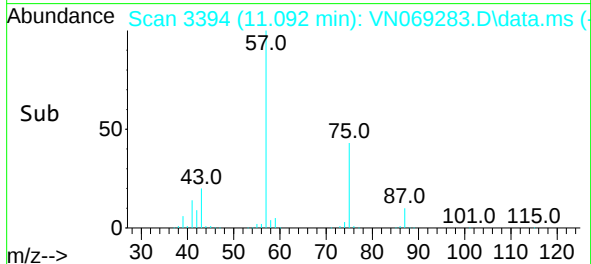
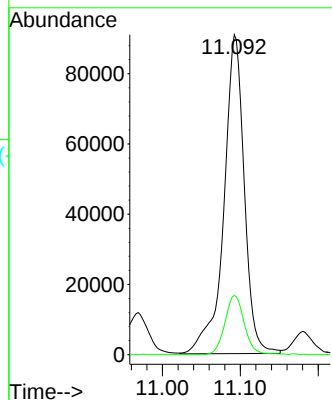
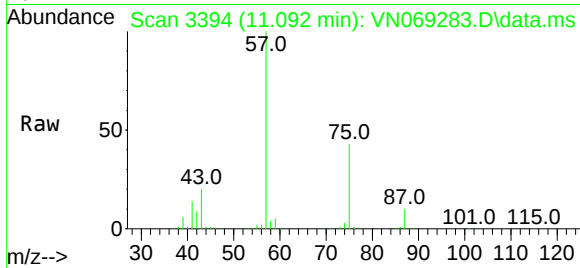




#59
2-Hexanone
Concen: 43.034 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

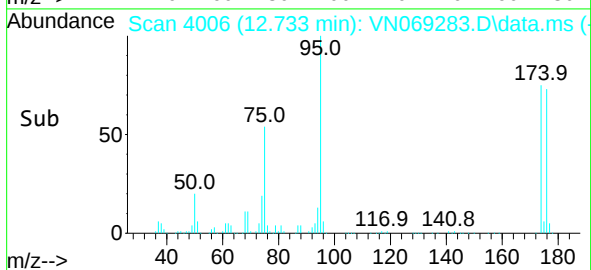
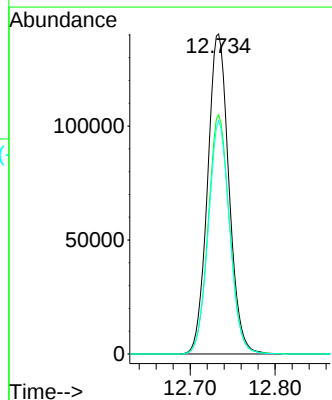
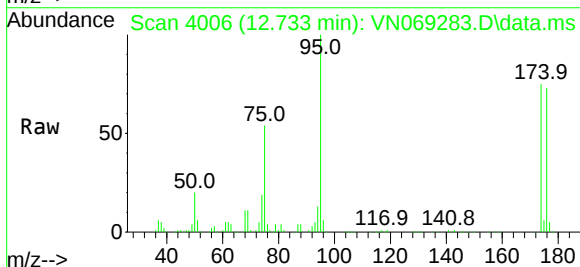
Instrument :
MSVOA_D
ClientSampled :

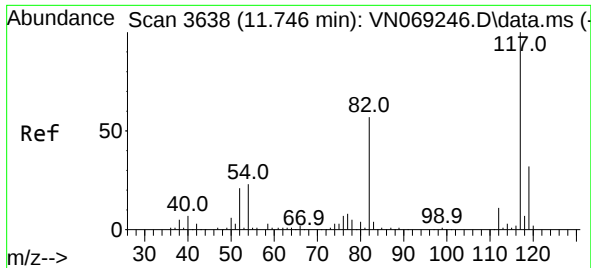
Tgt Ion: 43 Resp: 165387
Ion Ratio Lower Upper
43 100
58 17.7 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.521 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 95 Resp: 244544
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.8
176 72.6 0.0 140.0

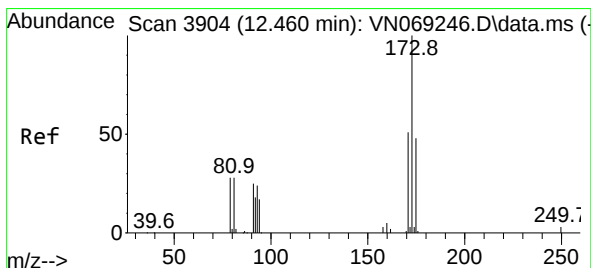
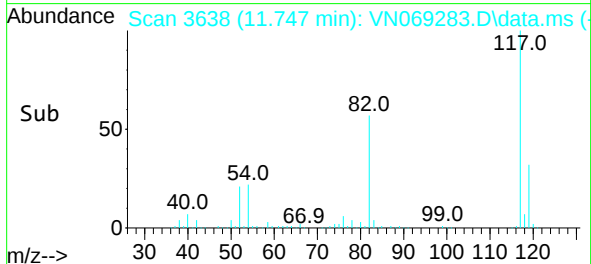
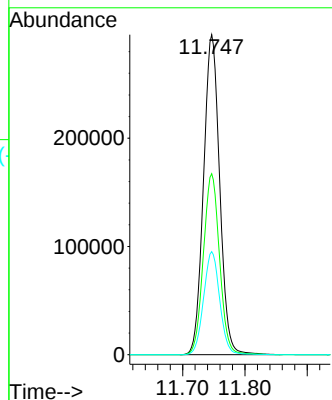
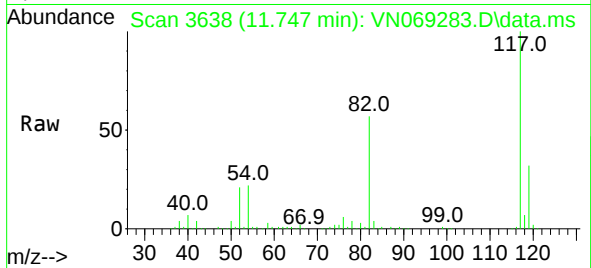




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

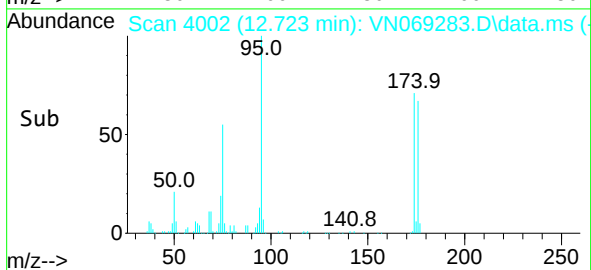
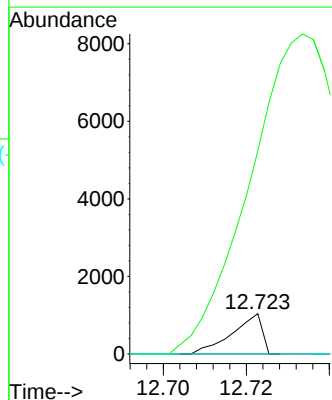
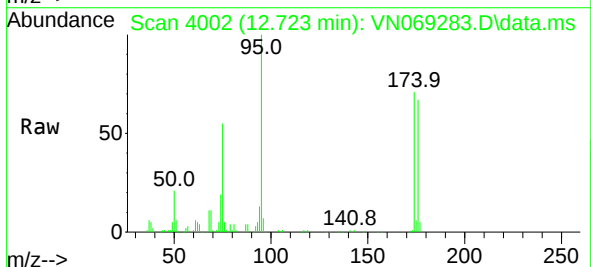
Instrument :
MSVOA_D
ClientSampleId :

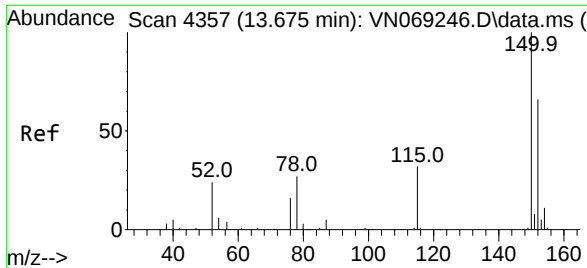
Tgt Ion:117 Resp: 532976
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.2 26.0 39.0



#71
Bromoform
Concen: 3.021 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion:173 Resp: 519
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0

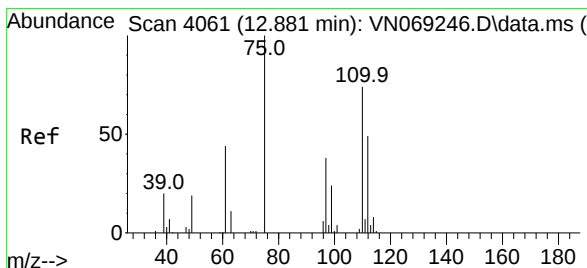
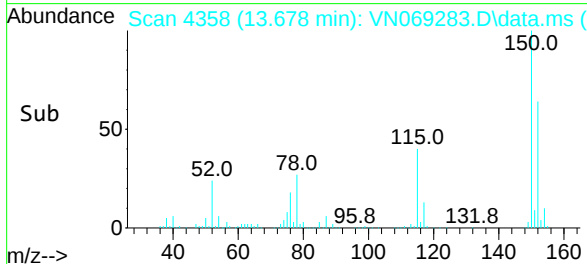
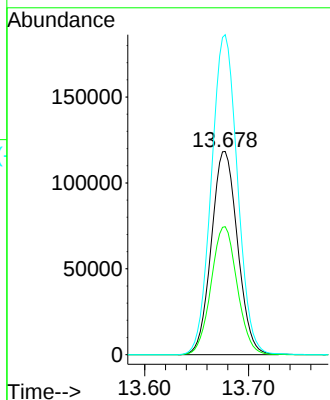
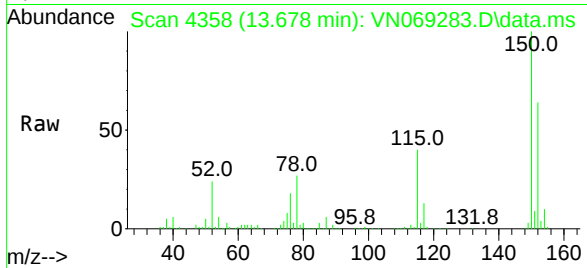




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

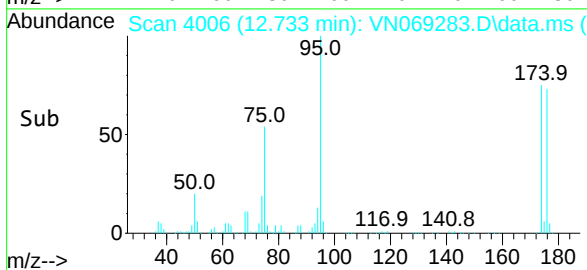
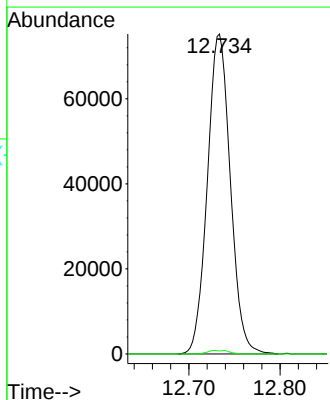
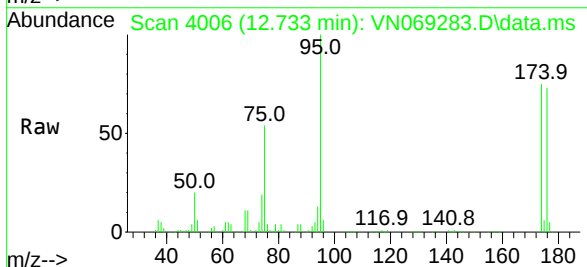
Instrument :
MSVOA_D
ClientSampled :

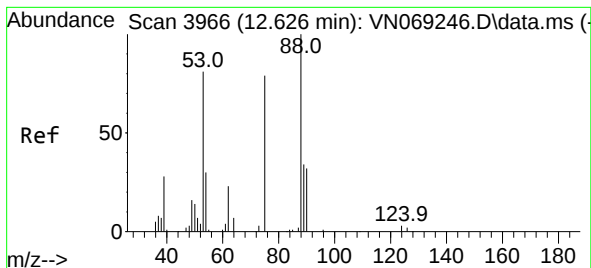
Tgt Ion:152 Resp: 207788
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.3
150 156.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 24.098 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion: 75 Resp: 131695
Ion Ratio Lower Upper
75 100
77 0.6 96.2 288.4#

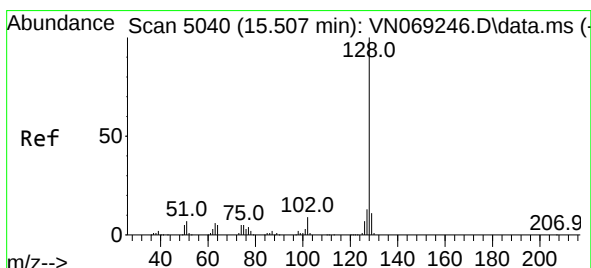
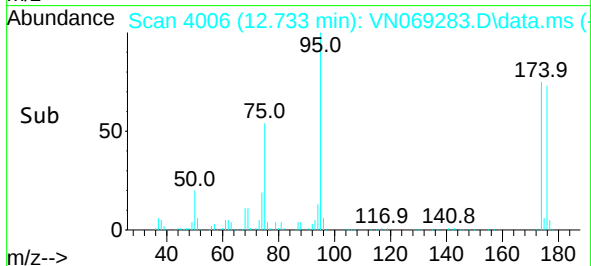
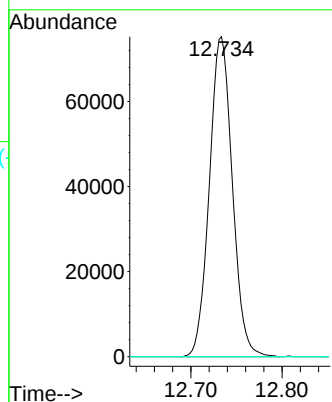
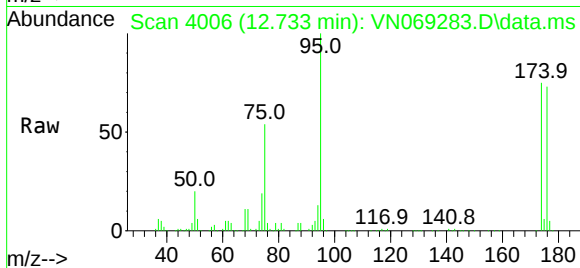




#81
trans-1,4-Dichloro-2-butene
Concen: 69.173 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 131695
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.323 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069283.D
Acq: 29 Oct 2021 6:26

Tgt Ion:128 Resp: 166
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

