

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069279.D
 Acq On : 29 Oct 2021 4:44
 Operator : JC/MD
 Sample : PB140292TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:57:25 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)

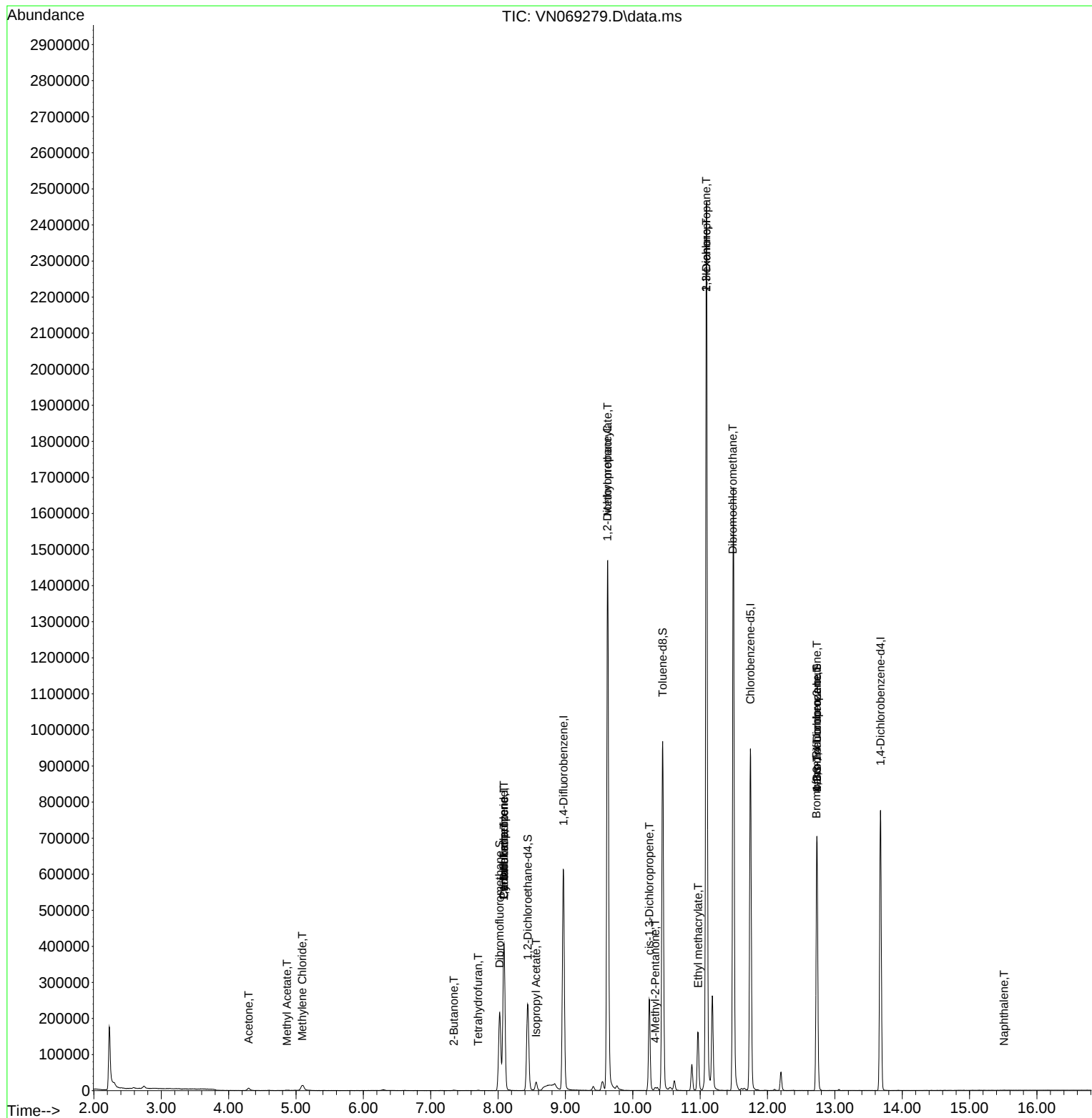
Internal Standards						
1) Pentafluorobenzene	8.088	168	306656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	541757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	553741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	206512	46.651	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.300%		
35) Dibromofluoromethane	8.024	113	156385	46.307	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.620%		
50) Toluene-d8	10.443	98	687627	50.925	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.840%		
62) 4-Bromofluorobenzene	12.733	95	253848	49.820	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.640%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	750	Below Cal	#	42
16) Acetone	4.296	43	12293	6.518	ug/l	100
18) Methyl Acetate	4.867	43	1834	0.286	ug/l #	67
20) Methylene Chloride	5.093	84	11877	3.283	ug/l	94
25) 2-Butanone	7.343	43	1135	2.024	ug/l	95
29) Tetrahydrofuran	7.705	42	746	3.334	ug/l #	45
31) Cyclohexane	8.088	56	7429	1.254	ug/l #	22
36) 1,1-Dichloropropene	8.086	75	25400	5.438	ug/l #	49
38) Carbon Tetrachloride	8.088	117	31540	6.827	ug/l #	15
43) Isopropyl Acetate	8.566	43	26387	3.275	ug/l #	92
45) 1,2-Dichloropropane	9.622	63	1810	0.506	ug/l #	43
48) Methyl methacrylate	9.628	41	143943	35.834	ug/l #	44
51) 4-Methyl-2-Pentanone	10.336	43	5554	7.298	ug/l	91
54) cis-1,3-Dichloropropene	10.245	75	45598	8.426	ug/l #	63
56) Ethyl methacrylate	10.969	69	865	1.807	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	27330	4.432	ug/l #	42
59) 2-Hexanone	11.092	43	377498	87.097	ug/l #	51
60) Dibromochloromethane	11.486	129	193	2.019	ug/l #	10
71) Bromoform	12.728	173	886	3.116	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	135344	24.465	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	135344	70.163	ug/l #	12
95) Naphthalene	15.512	128	831	3.382	ug/l #	69

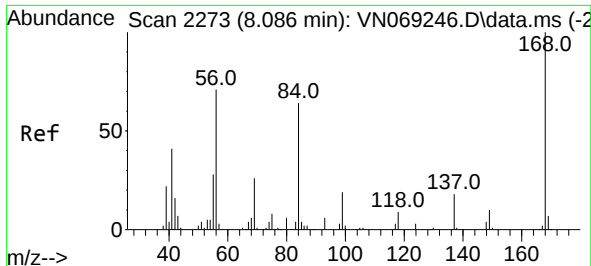
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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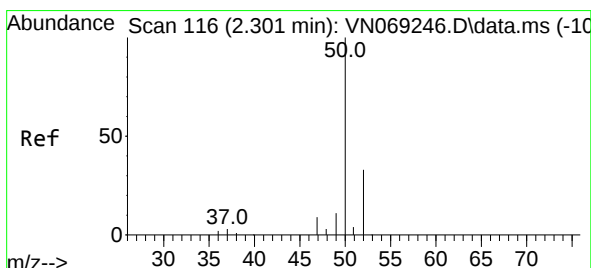
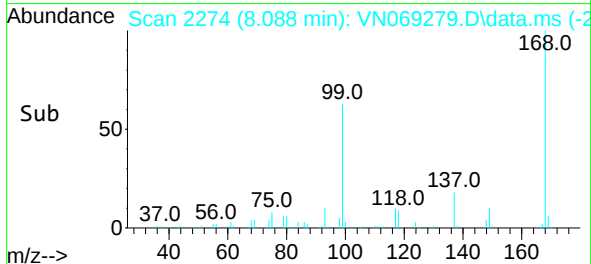
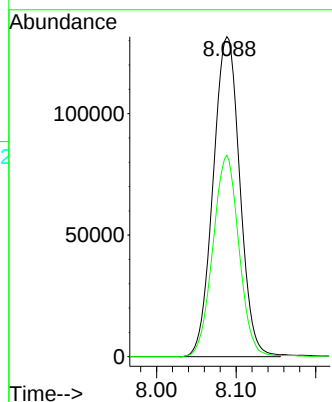
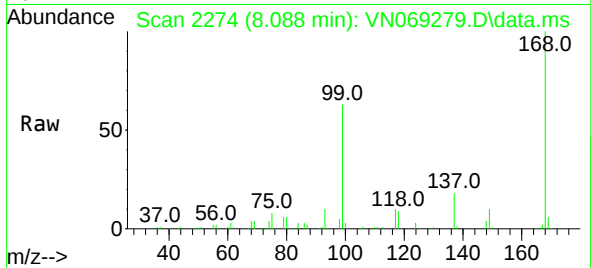




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

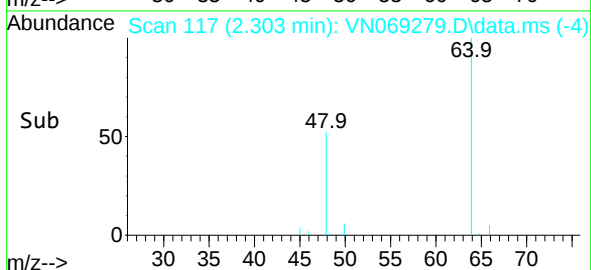
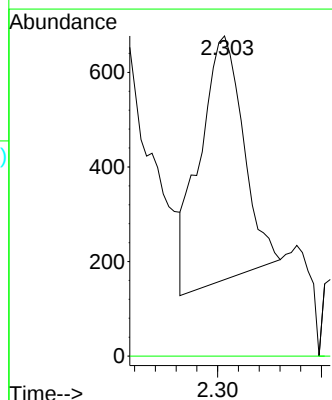
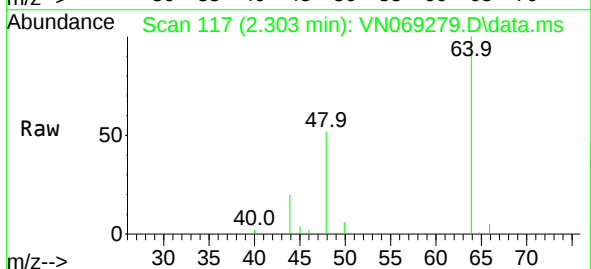
Instrument :
MSVOA_D
ClientSampleId :

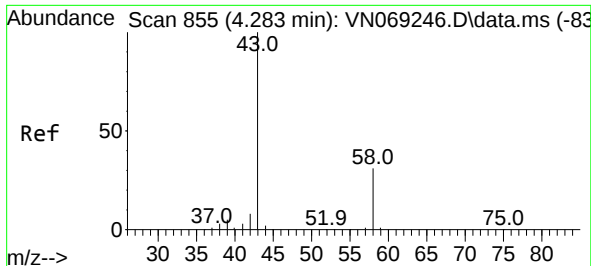
Tgt Ion:168 Resp: 306656
Ion Ratio Lower Upper
168 100
99 62.9 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 50 Resp: 750
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

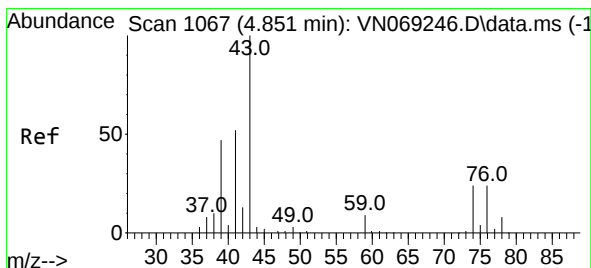
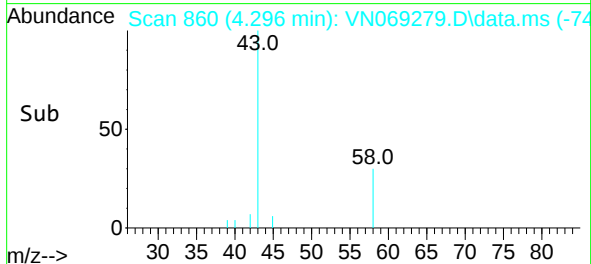
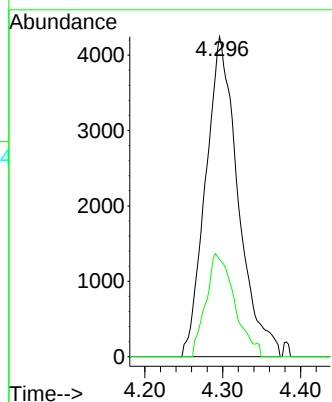
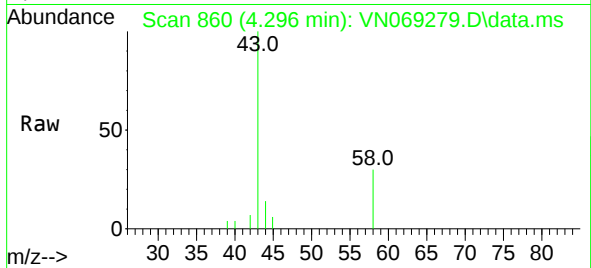




#16
Acetone
Concen: 6.518 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

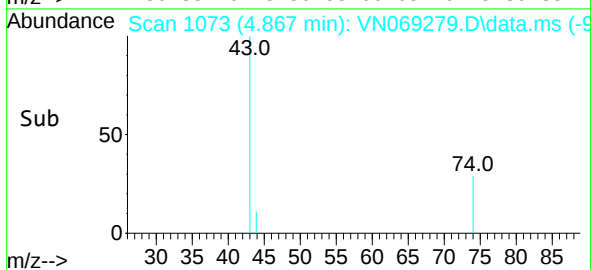
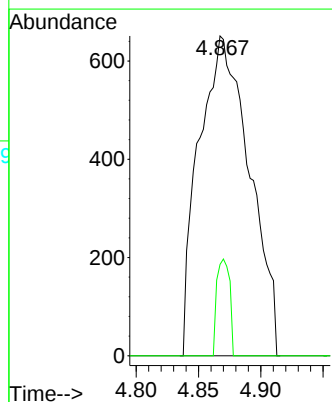
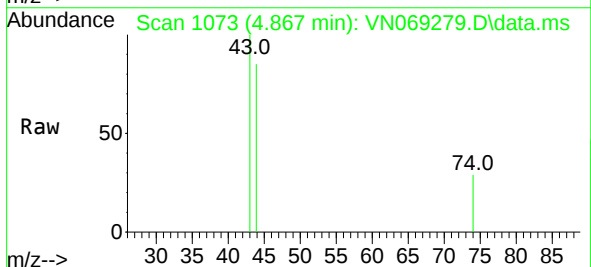
Instrument :
MSVOA_D
ClientSampleId :

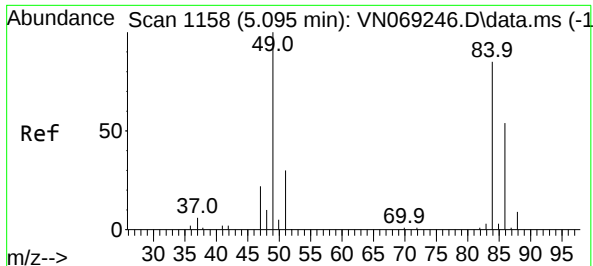
Tgt Ion: 43 Resp: 12293
Ion Ratio Lower Upper
43 100
58 30.3 24.5 36.7



#18
Methyl Acetate
Concen: 0.286 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.016 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
74 7.6 18.9 28.3#



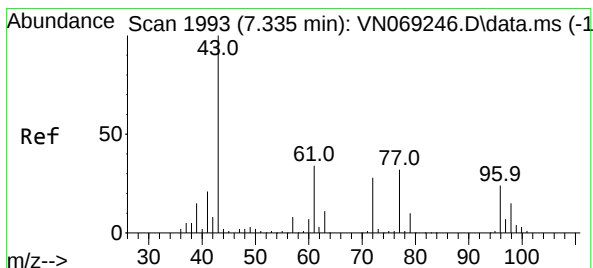
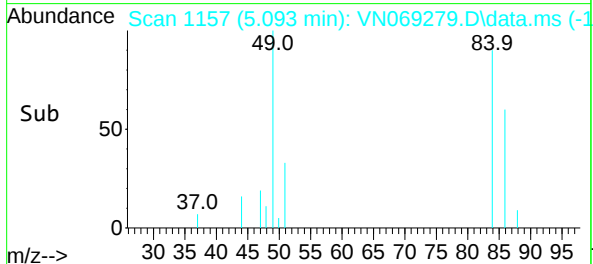
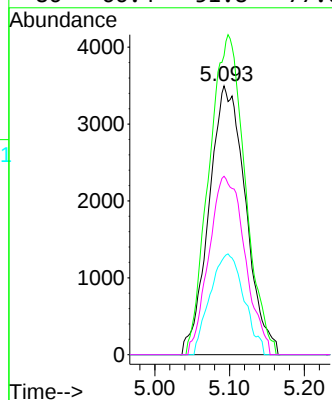
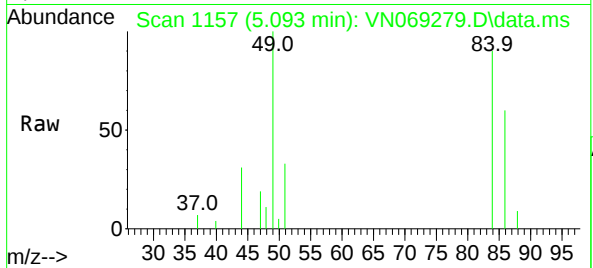


#20
Methylene Chloride
Concen: 3.283 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 11877

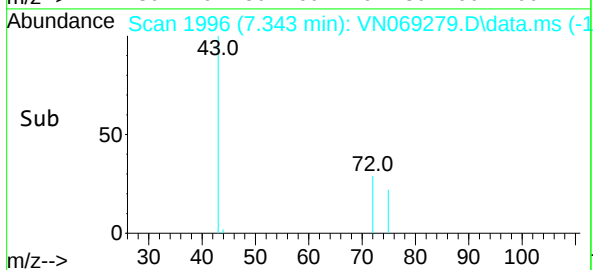
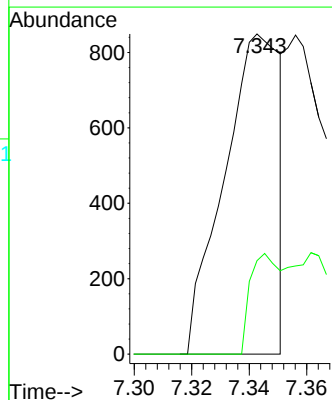
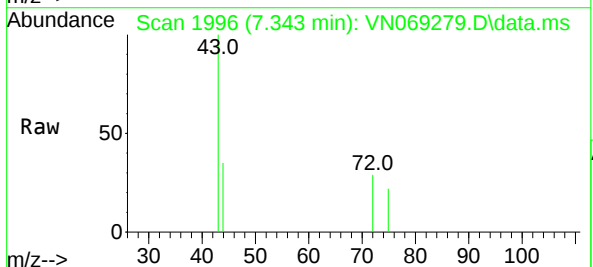
Ion	Ratio	Lower	Upper
84	100		
49	111.2	97.6	146.4
51	36.2	30.3	45.5
86	66.4	51.8	77.6

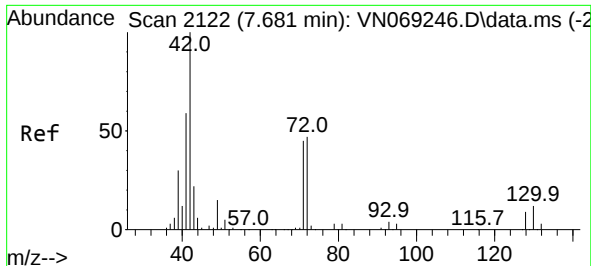


#25
2-Butanone
Concen: 2.024 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 43 Resp: 1135

Ion	Ratio	Lower	Upper
43	100		
72	29.2	21.2	31.8





#29

Tetrahydrofuran

Concen: 3.334 ug/l

RT: 7.705 min Scan# 2131

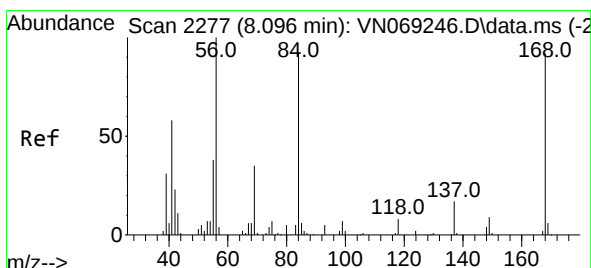
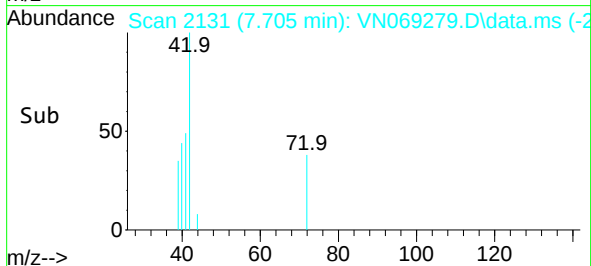
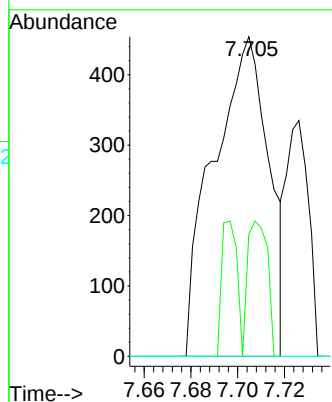
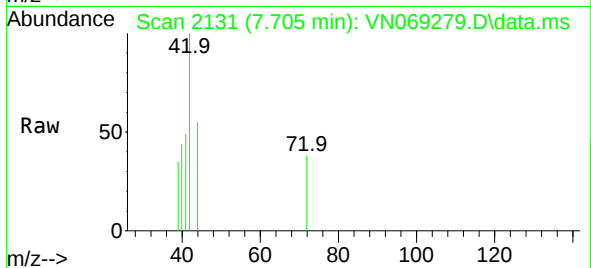
Delta R.T. 0.024 min

Lab File: VN069279.D

Acq: 29 Oct 2021 4:44

Tgt Ion:	42	Resp:	746
Ion	Ratio	Lower	Upper
42	100		
72	15.1	35.4	53.2#
71	0.0	33.8	50.6#

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.254 ug/l

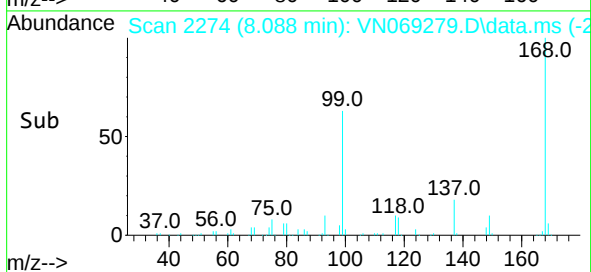
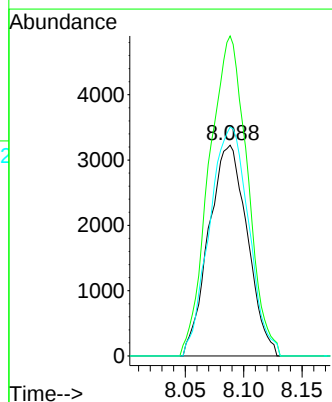
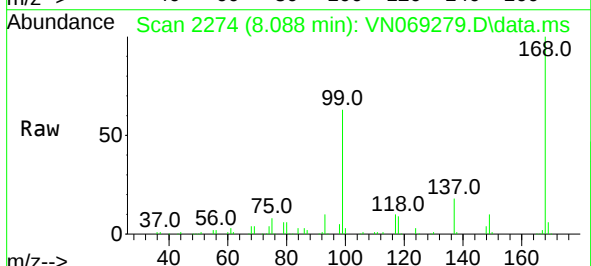
RT: 8.088 min Scan# 2274

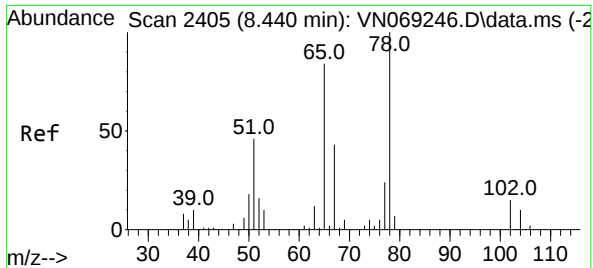
Delta R.T. -0.008 min

Lab File: VN069279.D

Acq: 29 Oct 2021 4:44

Tgt Ion:	56	Resp:	7429
Ion	Ratio	Lower	Upper
56	100		
69	151.9	26.9	40.3#
84	108.6	67.6	101.4#

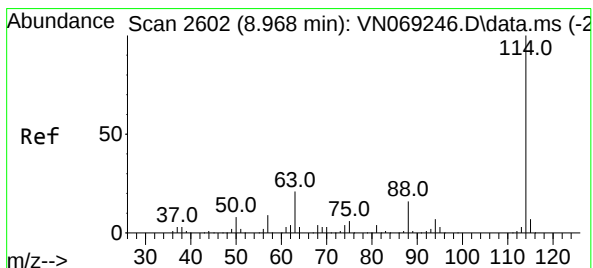
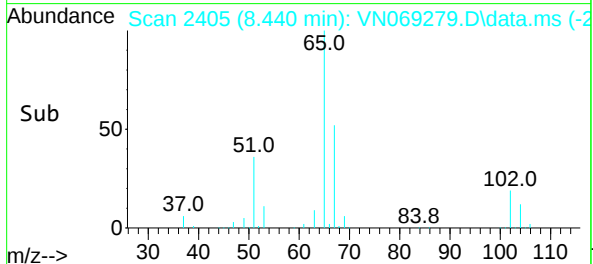
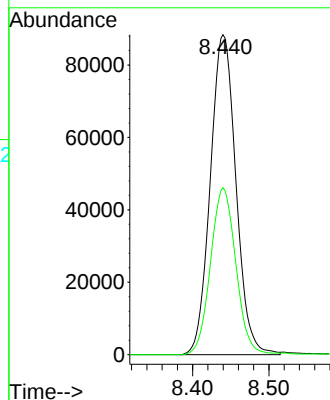
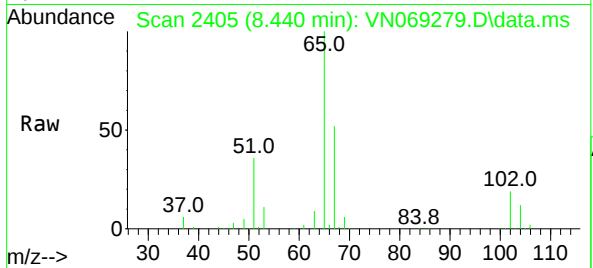




#33
 1,2-Dichloroethane-d4
 Concen: 46.651 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069279.D
 Acq: 29 Oct 2021 4:44

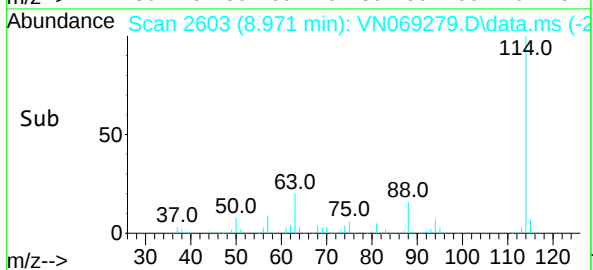
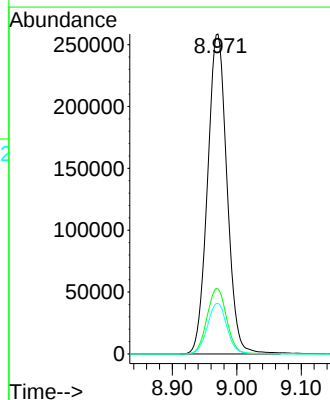
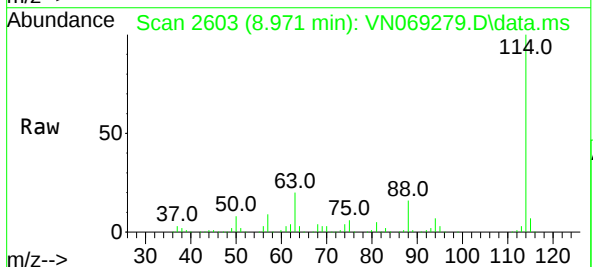
Instrument :
 MSVOA_D
 ClientSampleId :

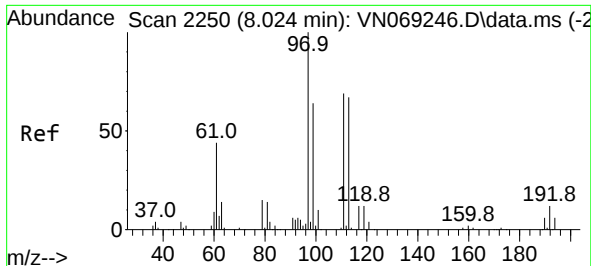
Tgt Ion: 65 Resp: 206512
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069279.D
 Acq: 29 Oct 2021 4:44

Tgt Ion: 114 Resp: 541757
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.307 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069279.D

Acq: 29 Oct 2021 4:44

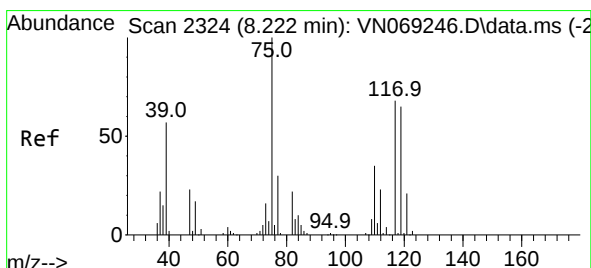
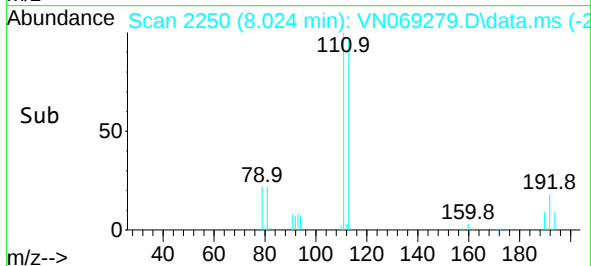
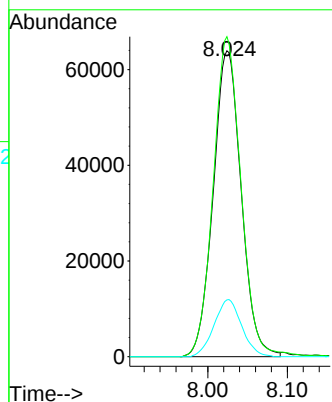
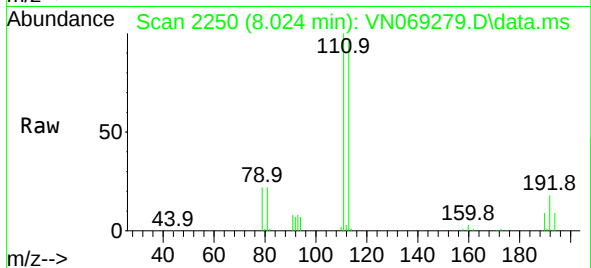
Tgt Ion:113 Resp: 156385

Ion Ratio Lower Upper

113 100

111 103.7 83.2 124.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.438 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.136 min

Lab File: VN069279.D

Acq: 29 Oct 2021 4:44

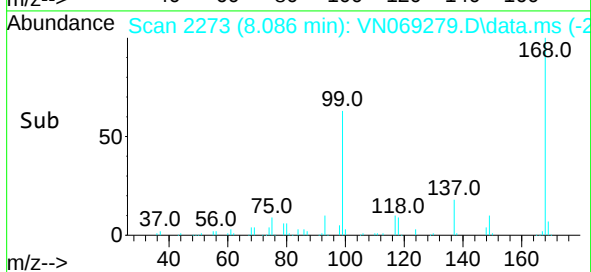
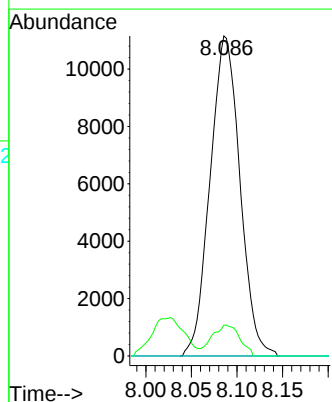
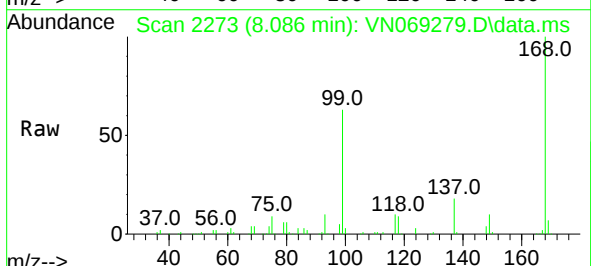
Tgt Ion: 75 Resp: 25400

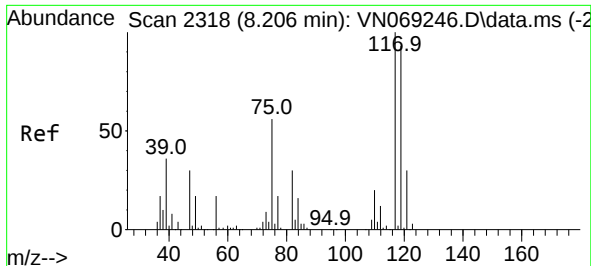
Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.8#

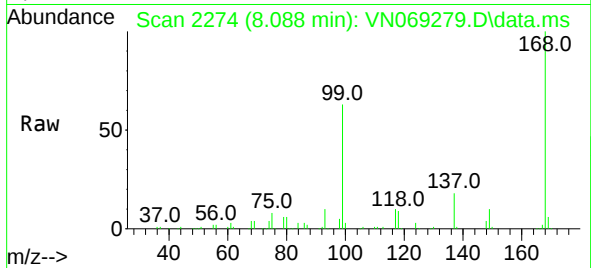
77 0.0 24.7 37.1#



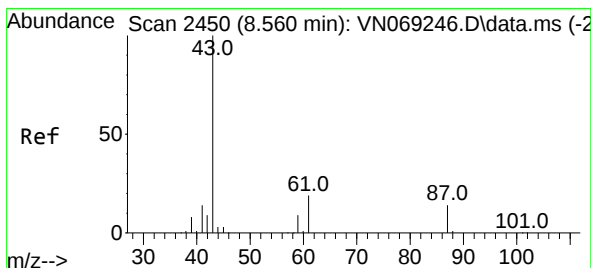
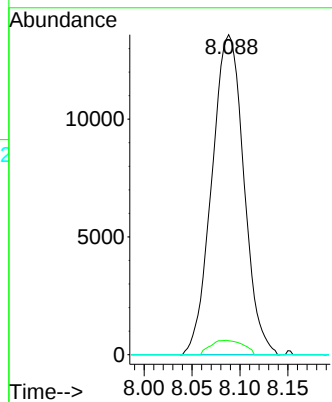
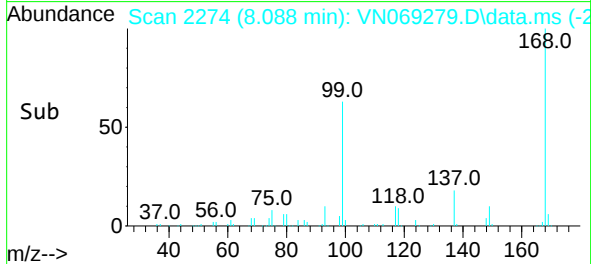


#38
Carbon Tetrachloride
Concen: 6.827 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

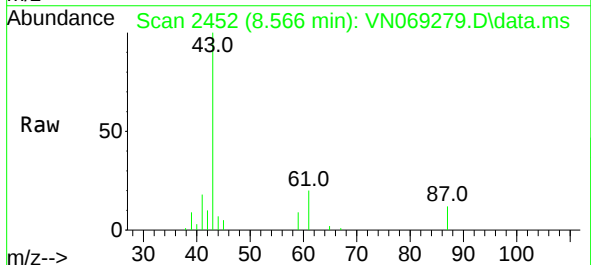
Instrument :
MSVOA_D
ClientSampleId :



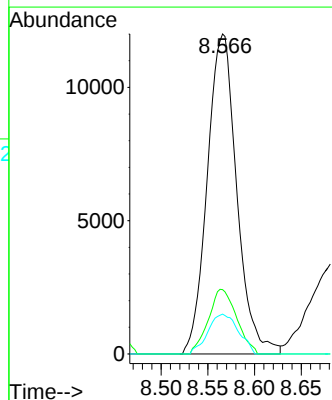
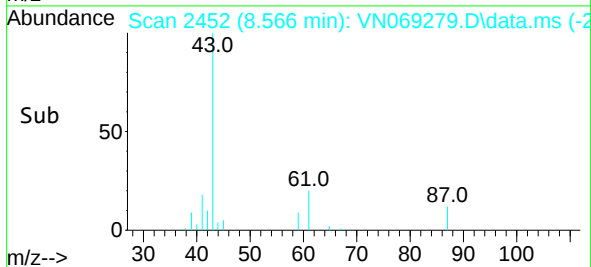
Tgt Ion:117 Resp: 31540
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#

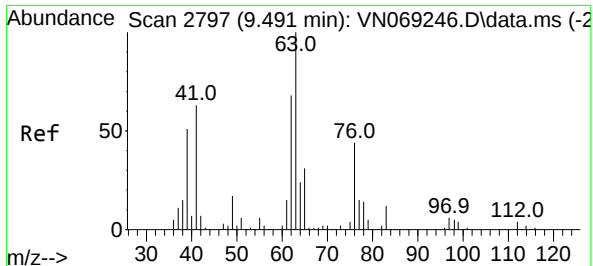


#43
Isopropyl Acetate
Concen: 3.275 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44



Tgt Ion: 43 Resp: 26387
Ion Ratio Lower Upper
43 100
61 19.3 20.4 30.6#
87 12.9 10.7 16.1



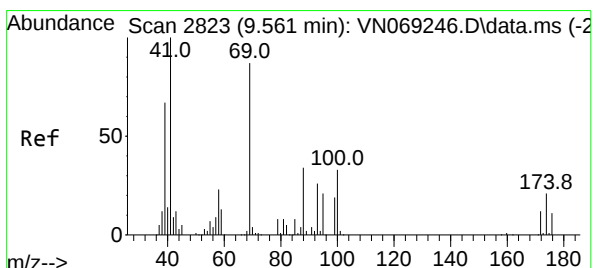
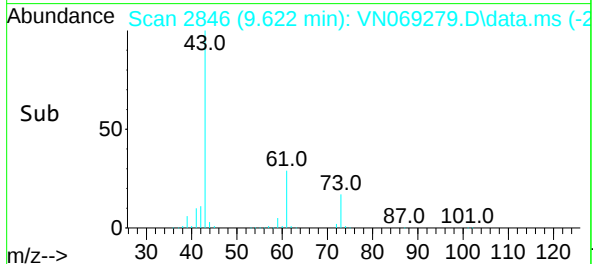
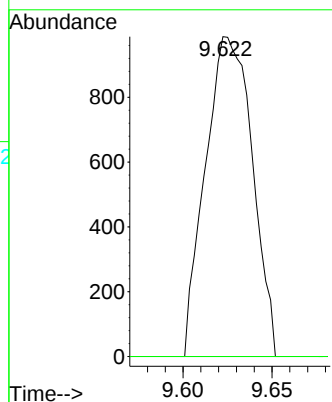
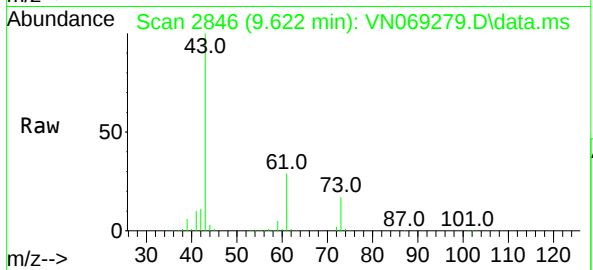


#45

1,2-Dichloropropane
Concen: 0.506 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Instrument :
MSVOA_D
ClientSampled :

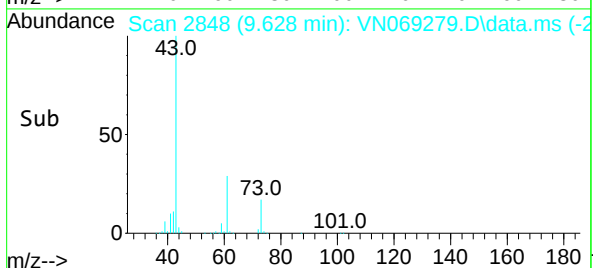
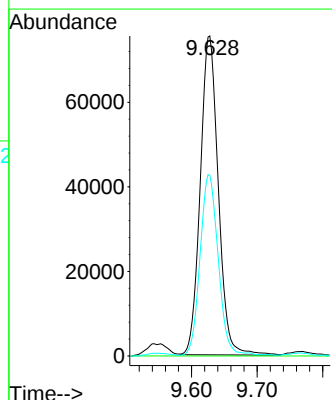
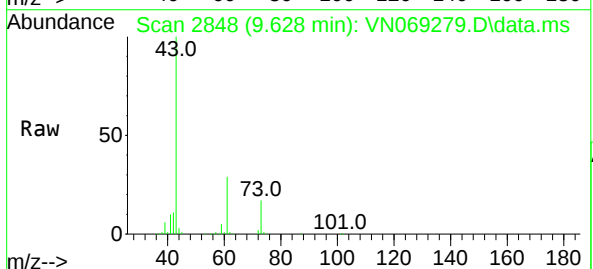
Tgt Ion: 63 Resp: 1810
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

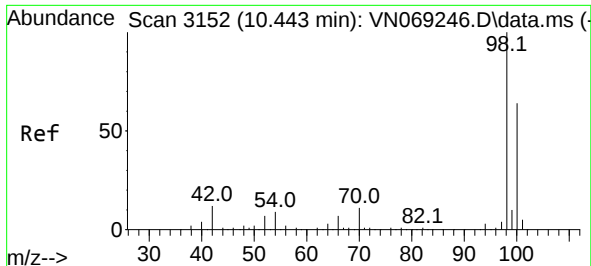


#48

Methyl methacrylate
Concen: 35.834 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.067 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 41 Resp: 143943
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 56.3 50.2 75.2

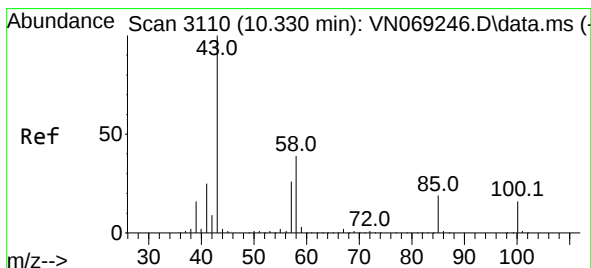
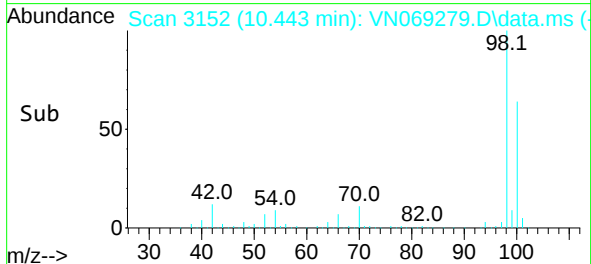
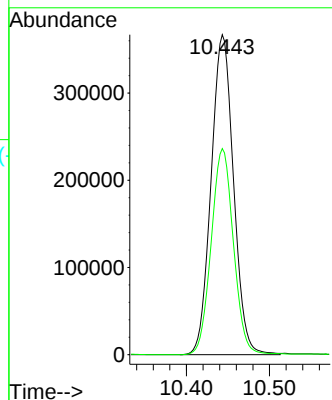
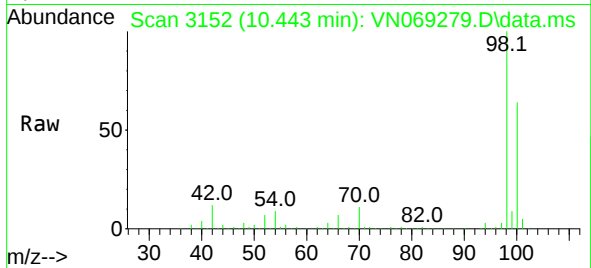




#50
Toluene-d8
Concen: 50.925 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

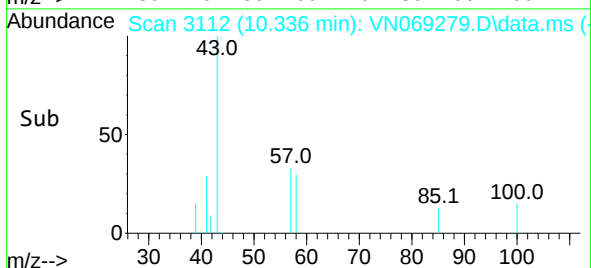
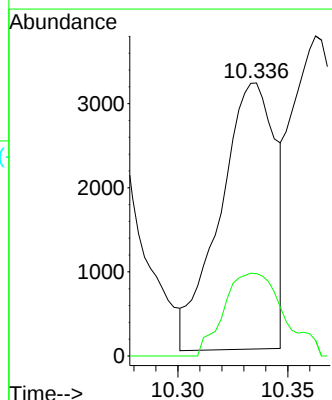
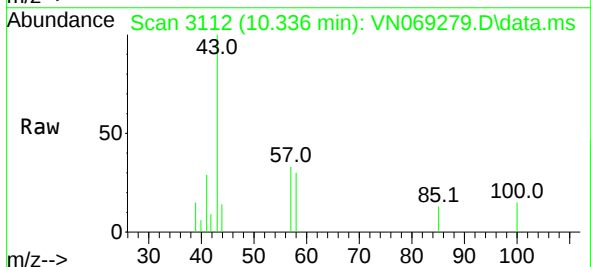
Instrument :
MSVOA_D
ClientSampled :

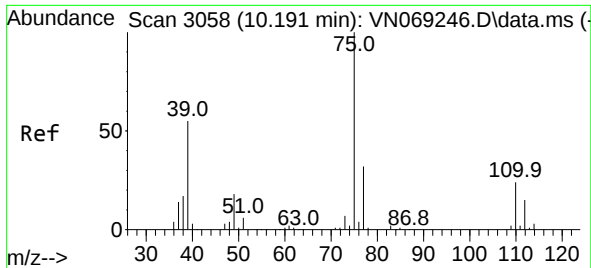
Tgt Ion: 98 Resp: 687627
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 7.298 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 43 Resp: 5554
Ion Ratio Lower Upper
43 100
58 33.3 31.0 46.4

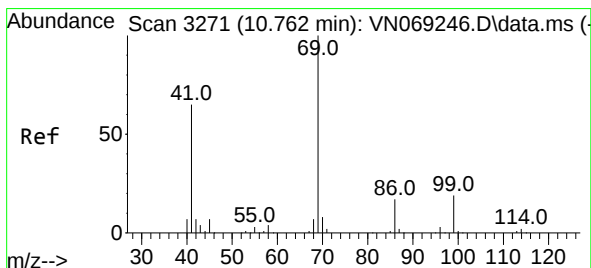
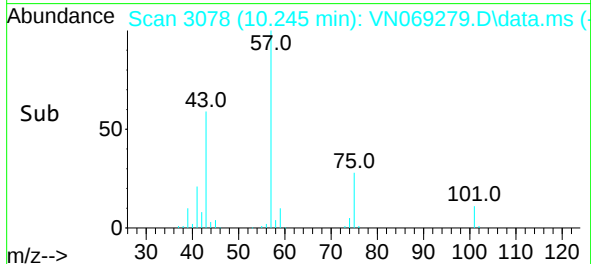
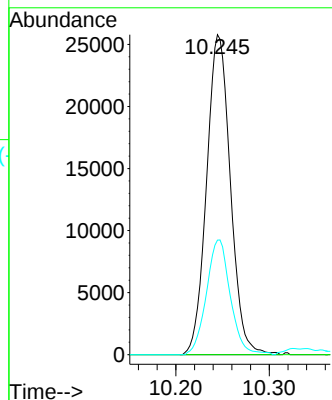
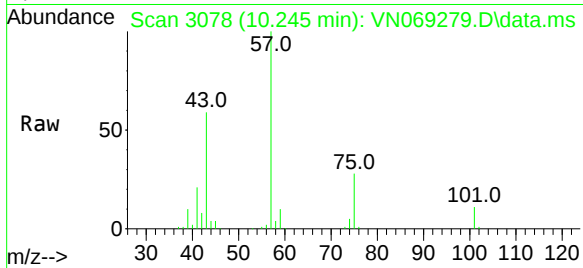




#54
 cis-1,3-Dichloropropene
 Concen: 8.426 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069279.D
 Acq: 29 Oct 2021 4:44

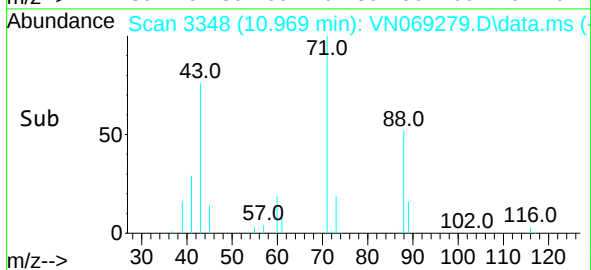
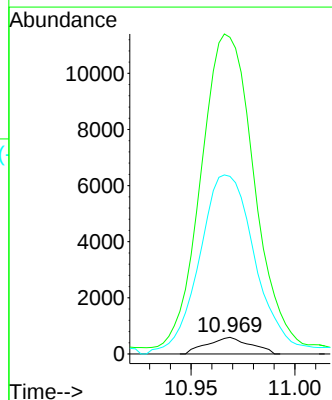
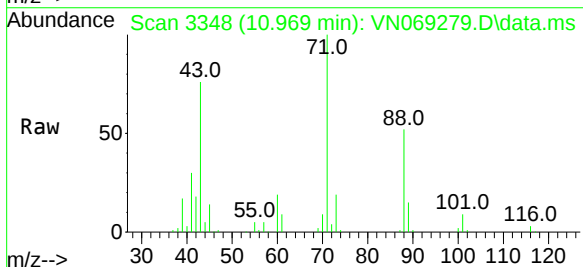
Instrument :
 MSVOA_D
 ClientSampleId :

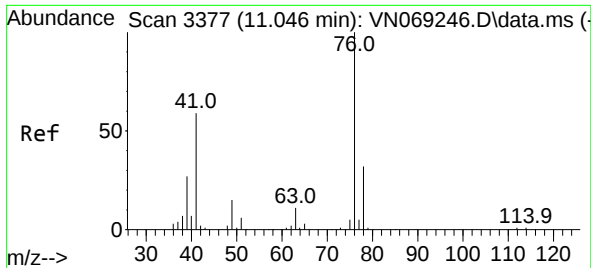
Tgt Ion: 75 Resp: 45598
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 35.8 42.9 64.3#



#56
 Ethyl methacrylate
 Concen: 1.807 ug/l
 RT: 10.969 min Scan# 3348
 Delta R.T. 0.207 min
 Lab File: VN069279.D
 Acq: 29 Oct 2021 4:44

Tgt Ion: 69 Resp: 865
 Ion Ratio Lower Upper
 69 100
 41 2312.0 53.3 79.9#
 39 1405.0 33.3 49.9#

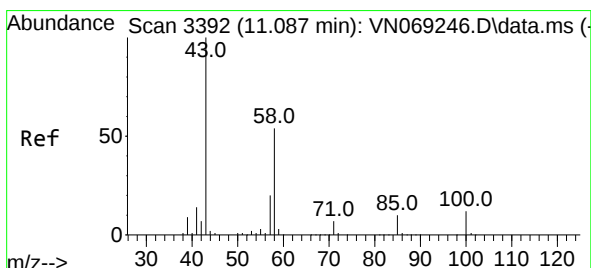
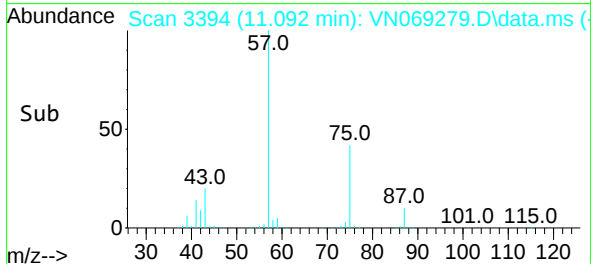
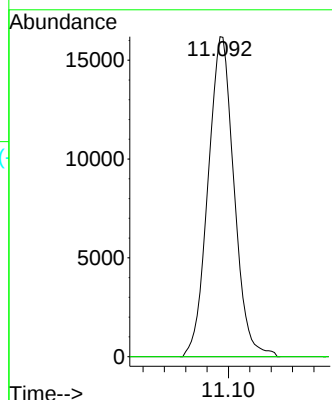
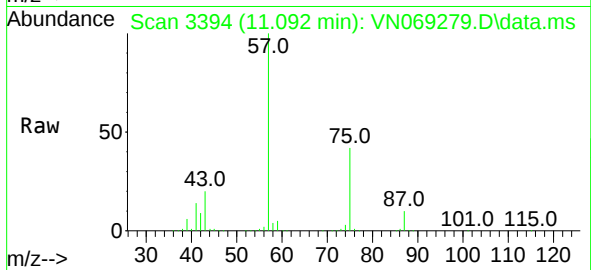




#57
1,3-Dichloropropane
Concen: 4.432 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

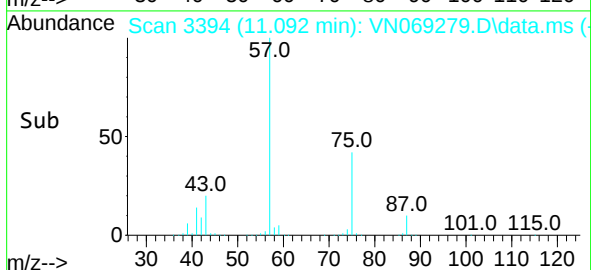
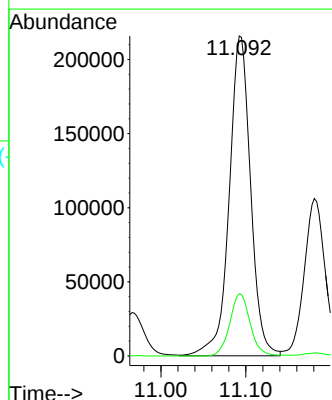
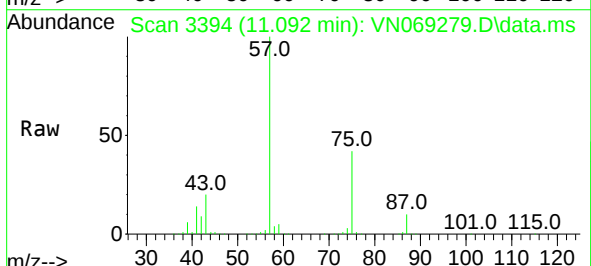
Instrument :
MSVOA_D
ClientSampleId :

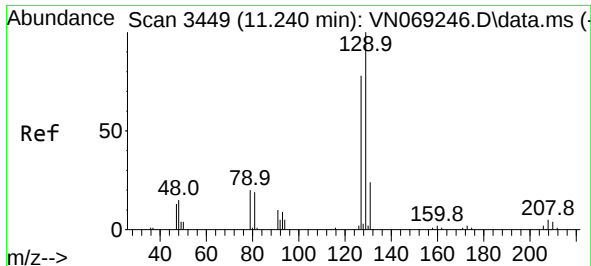
Tgt Ion: 76 Resp: 27330
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 87.097 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 43 Resp: 377498
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#

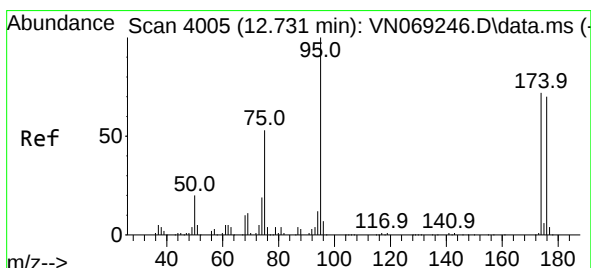
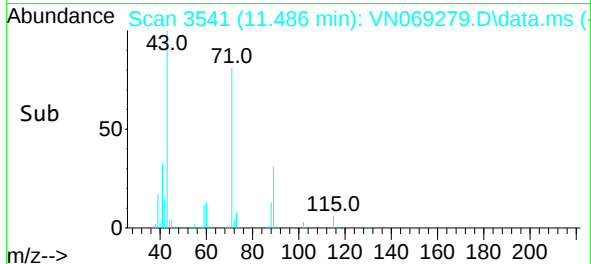
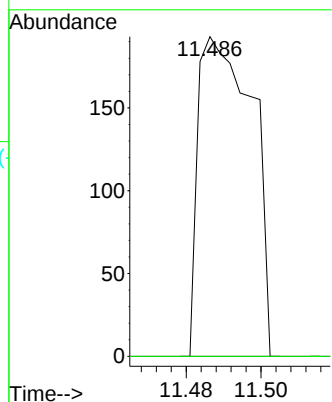
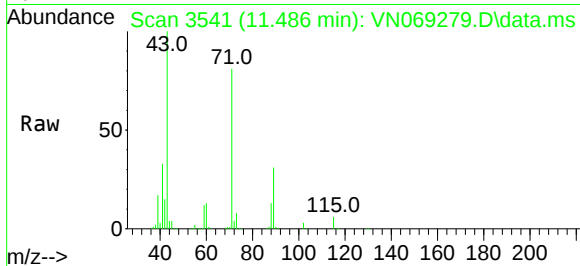




#60
Dibromochloromethane
Concen: 2.019 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

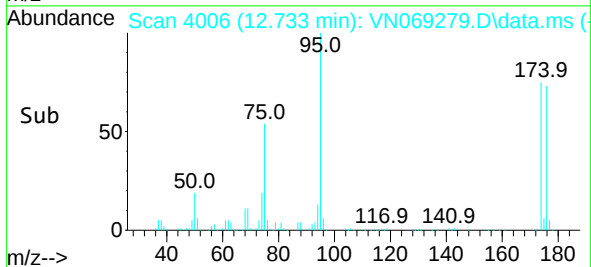
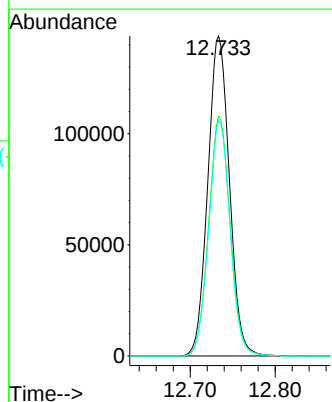
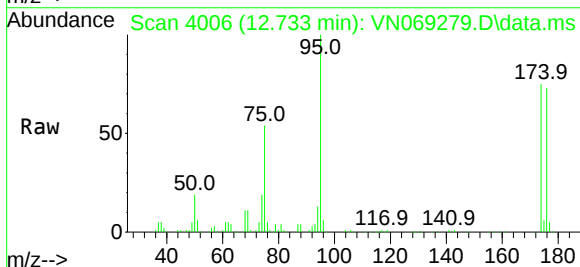
Instrument :
MSVOA_D
ClientSampleId :

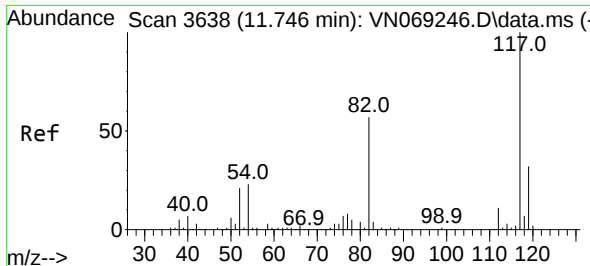
Tgt Ion:129 Resp: 193
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 49.820 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 95 Resp: 253848
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.8
176 72.7 0.0 140.0

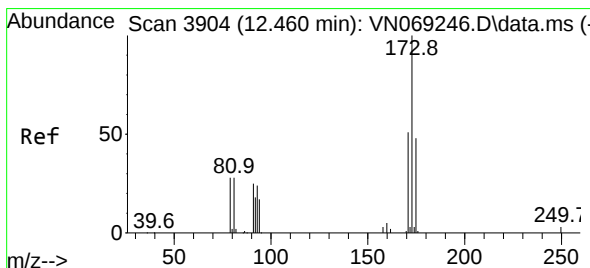
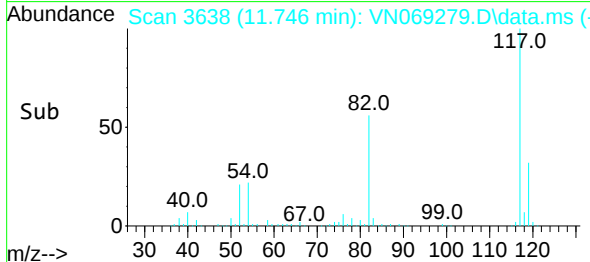
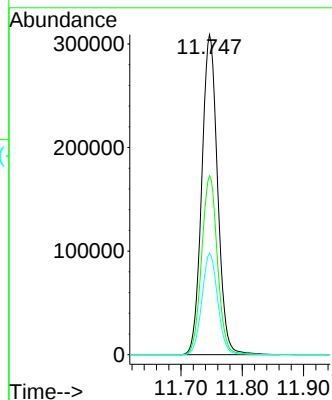
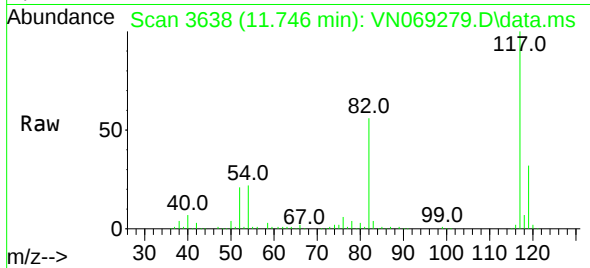




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

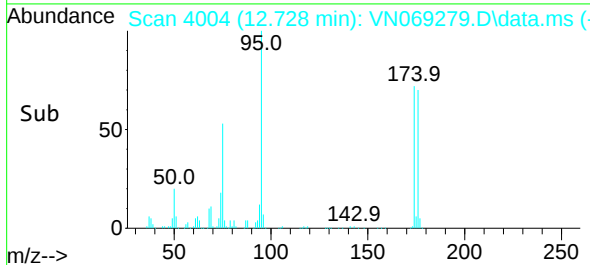
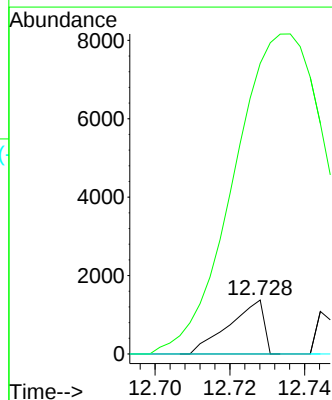
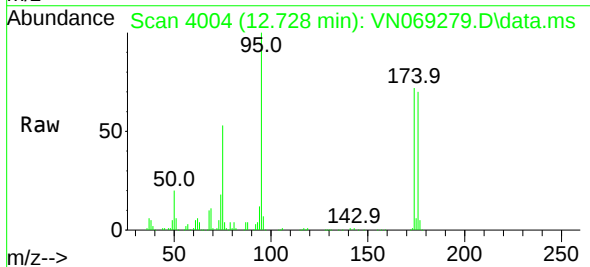
Instrument :
MSVOA_D
ClientSampleId :

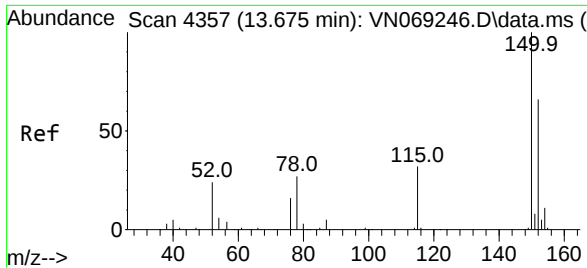
Tgt Ion:117 Resp: 553741
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 31.7 26.0 39.0



#71
Bromoform
Concen: 3.116 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion:173 Resp: 886
Ion Ratio Lower Upper
173 100
175 1529.3 23.8 71.5#
254 0.0 0.0 0.0

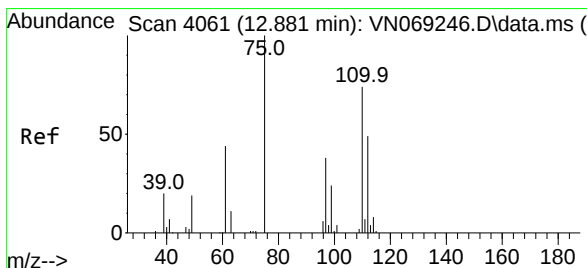
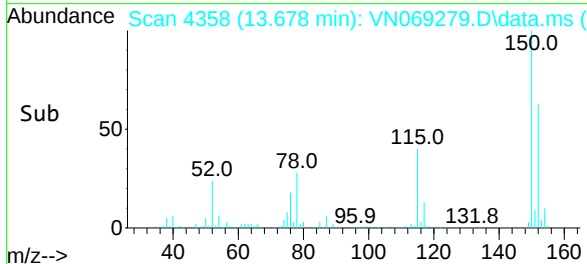
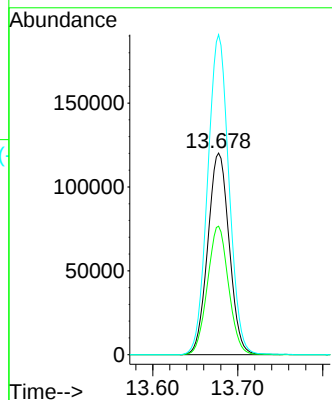
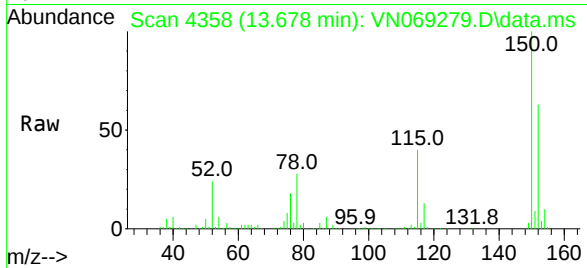




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069279.D
 Acq: 29 Oct 2021 4:44

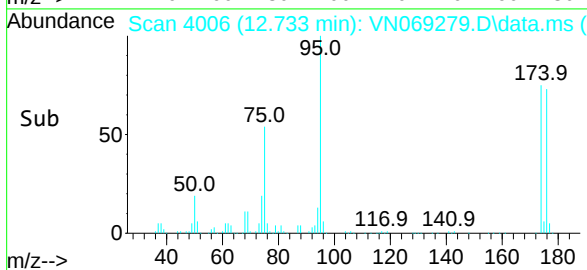
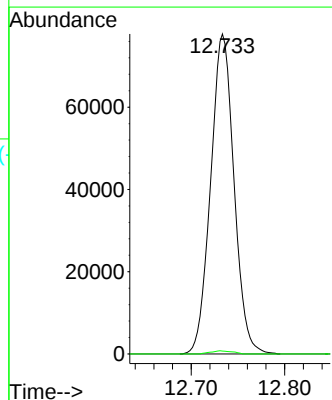
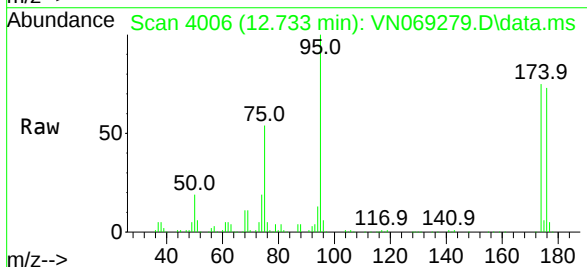
Instrument :
 MSVOA_D
 ClientSampled :

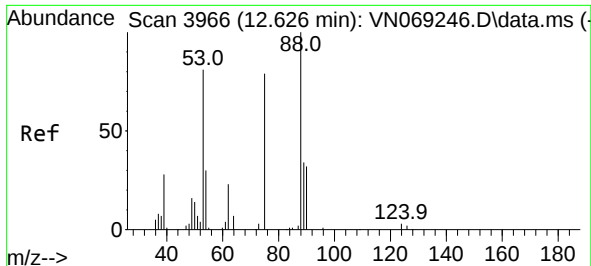
Tgt Ion:152 Resp: 210338
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.4 94.3
 150 157.9 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.465 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069279.D
 Acq: 29 Oct 2021 4:44

Tgt Ion: 75 Resp: 135344
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

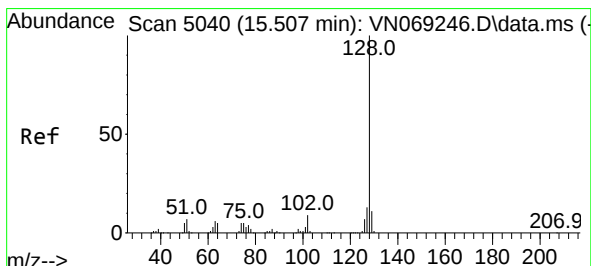
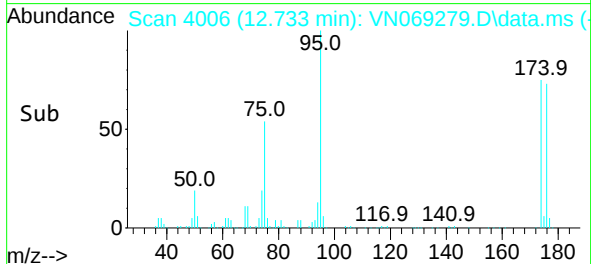
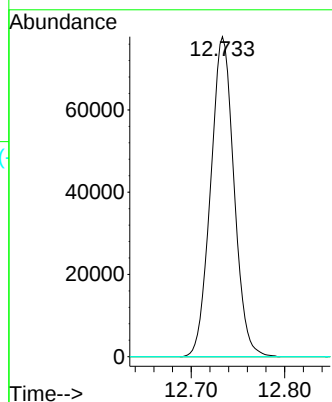
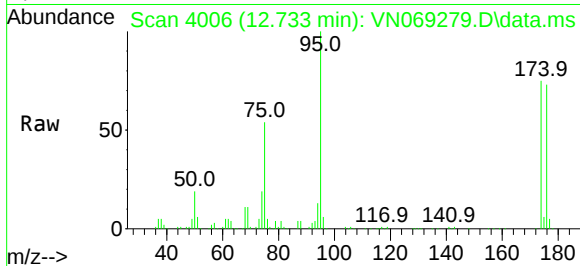




#81
trans-1,4-Dichloro-2-butene
Concen: 70.163 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 135344
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.382 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069279.D
Acq: 29 Oct 2021 4:44

Tgt Ion: 128 Resp: 831
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

