

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071382.D
 Acq On : 18 Mar 2022 19:07
 Operator : JC\MD
 Sample : N2015-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:11:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

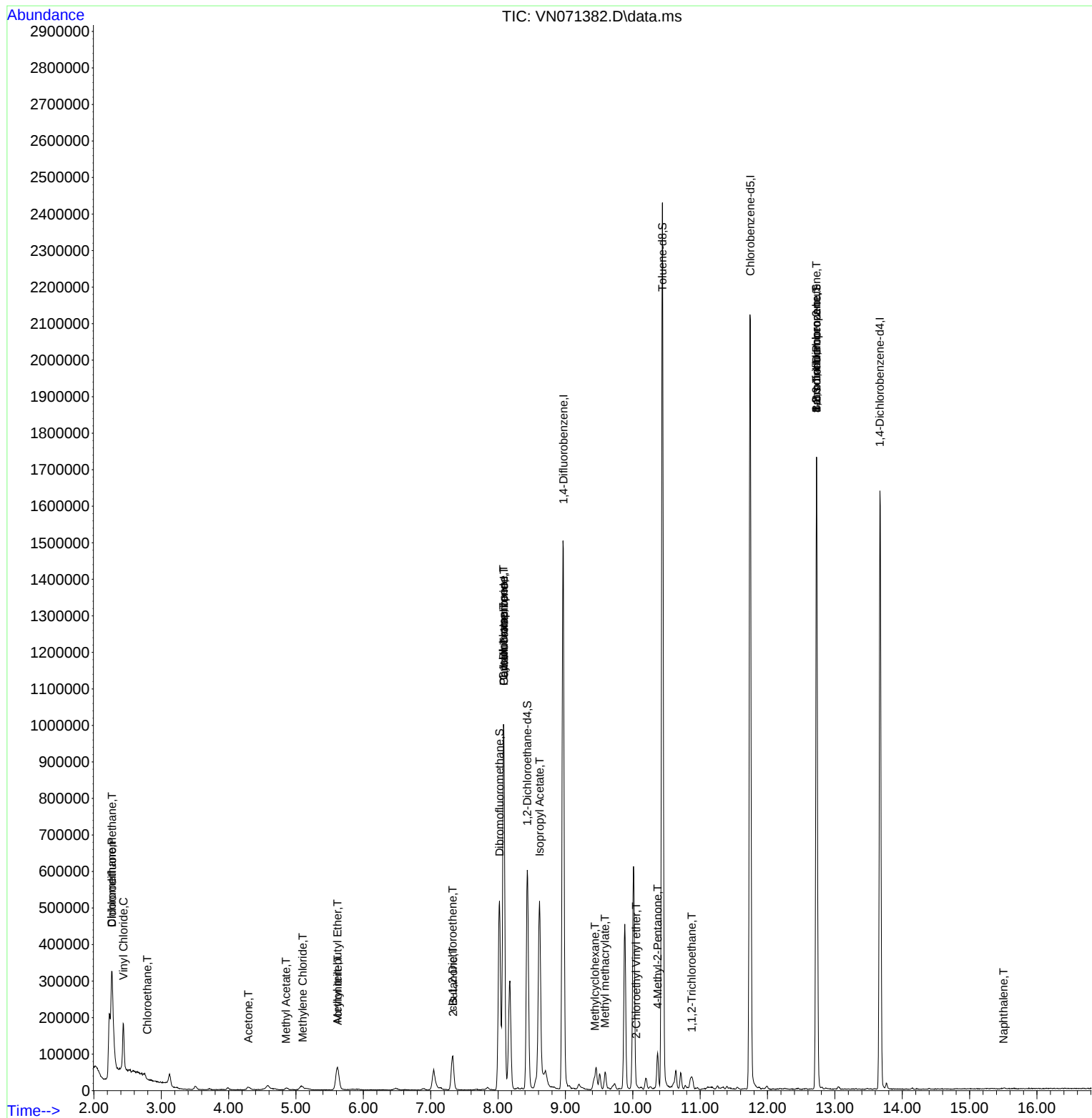
Internal Standards						
1) Pentafluorobenzene	8.087	168	774246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1297485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1238691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	447446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	498507	46.979	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.960%		
35) Dibromofluoromethane	8.022	113	382016	46.658	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.320%		
50) Toluene-d8	10.439	98	1626323	49.334	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.727	95	590755	52.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.269	85	10624	1.252	ug/l	93
3) Chloromethane	2.263	50	3014	0.230	ug/l #	43
4) Vinyl Chloride	2.440	62	58181	5.595	ug/l	90
5) Bromomethane	2.846	94	569	Below Cal		88
6) Chloroethane	2.793	64	6098	0.968	ug/l #	50
15) Acrylonitrile	5.622	53	1458	0.236	ug/l #	17
16) Acetone	4.293	43	12586	2.438	ug/l	97
18) Methyl Acetate	4.851	43	11309	1.278	ug/l #	63
19) Methyl tert-butyl Ether	5.616	73	83611	2.869	ug/l #	78
20) Methylene Chloride	5.099	84	2683	0.664	ug/l #	74
25) 2-Butanone	7.334	43	2809	0.338	ug/l #	48
27) cis-1,2-Dichloroethene	7.328	96	54573	5.416	ug/l	99
31) Cyclohexane	8.081	56	17581	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	60143	4.585	ug/l #	49
38) Carbon Tetrachloride	8.087	117	75517	5.951	ug/l #	17
39) Methylcyclohexane	9.439	83	5180	0.336	ug/l #	23
43) Isopropyl Acetate	8.616	43	176406	6.534	ug/l #	56
48) Methyl methacrylate	9.586	41	13027	1.041	ug/l #	26
51) 4-Methyl-2-Pentanone	10.369	43	12788	0.763	ug/l #	77
55) 1,1,2-Trichloroethane	10.875	97	7187	0.737	ug/l #	33
58) 2-Chloroethyl Vinyl ether	10.051	63	61	27.881	ug/l #	45
71) Bromoform	12.727	173	3633	0.490	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.839	83	59	Below Cal		25
76) 1,2,3-Trichloropropane	12.727	75	308669	27.175	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	308669	74.572	ug/l #	5
95) Naphthalene	15.504	128	1215	5.121	ug/l #	69

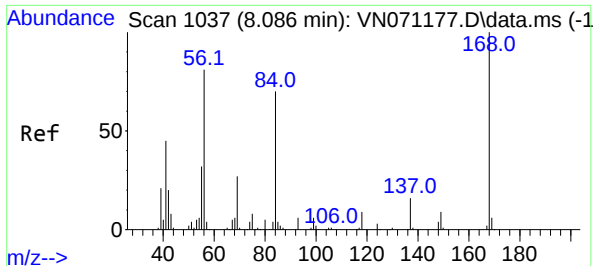
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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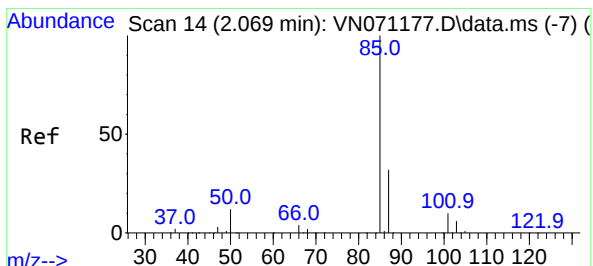
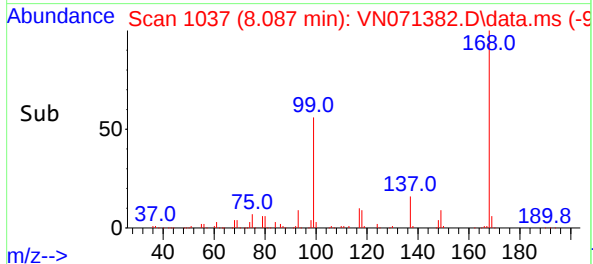
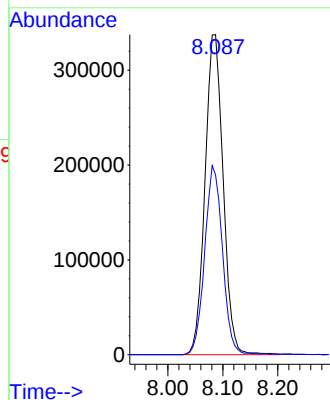
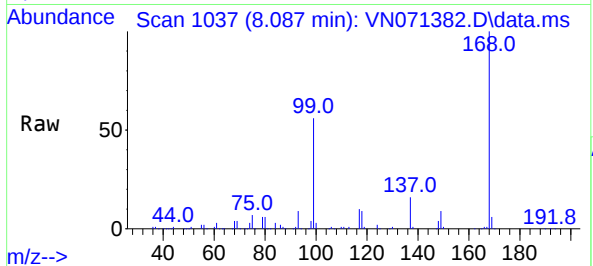




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

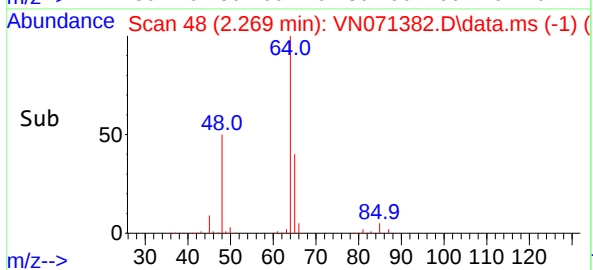
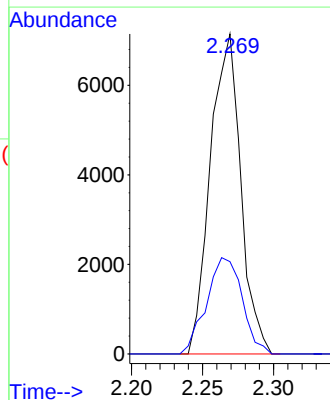
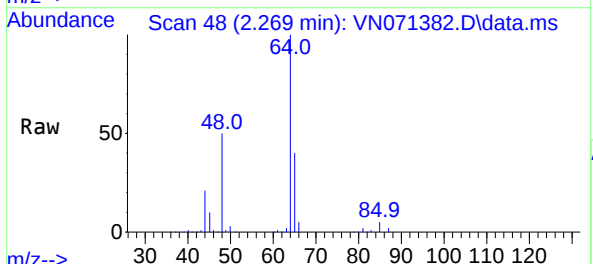
Instrument :
MSVOA_N
ClientSampleId :

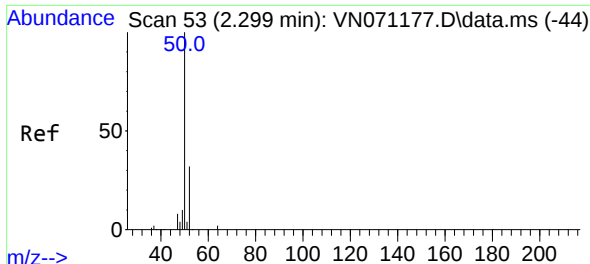
Tgt Ion:168 Resp: 774246
Ion Ratio Lower Upper
168 100
99 56.2 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.252 ug/l
RT: 2.269 min Scan# 48
Delta R.T. 0.200 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 85 Resp: 10624
Ion Ratio Lower Upper
85 100
87 28.8 16.3 48.9

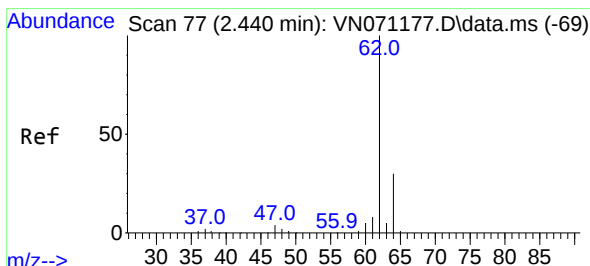
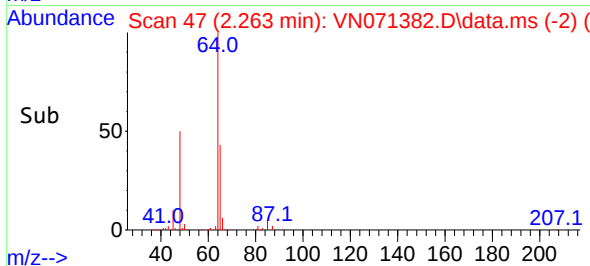
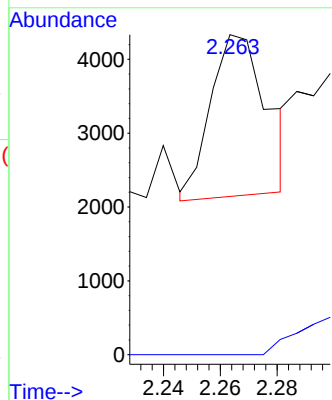
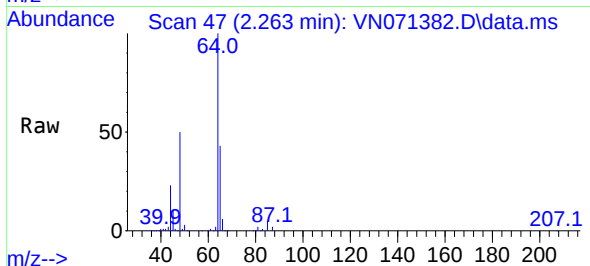




#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.263 min Scan# 41
Delta R.T. -0.036 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

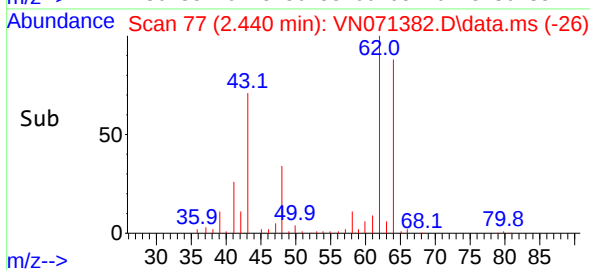
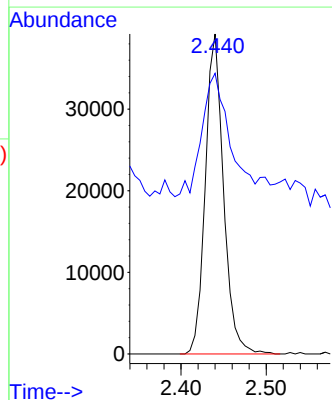
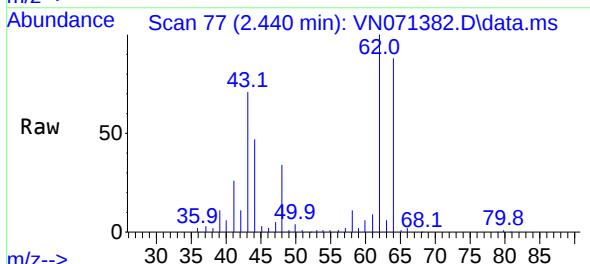
Instrument :
MSVOA_N
ClientSampleId :

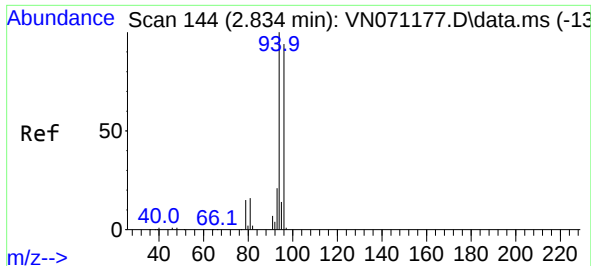
Tgt Ion: 50 Resp: 3014
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



#4
Vinyl Chloride
Concen: 5.595 ug/l
RT: 2.440 min Scan# 77
Delta R.T. 0.000 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 62 Resp: 58181
Ion Ratio Lower Upper
62 100
64 37.7 25.8 38.6

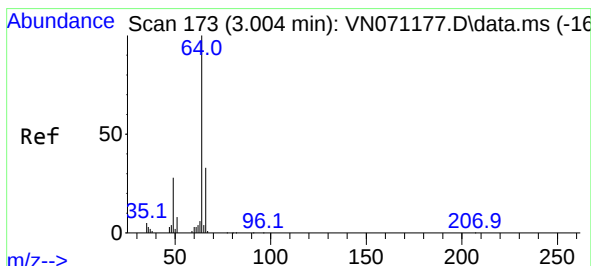
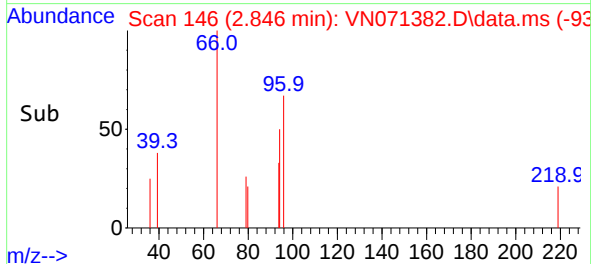
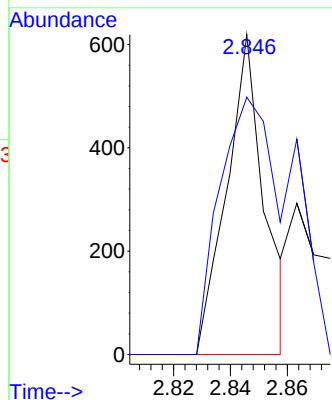
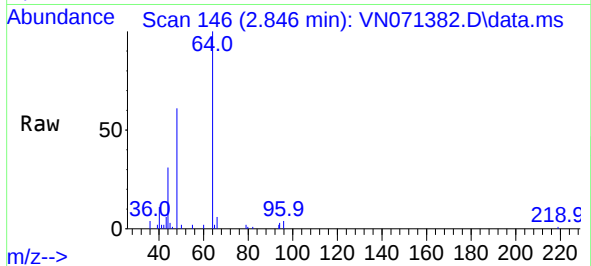




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 144
Delta R.T. 0.012 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

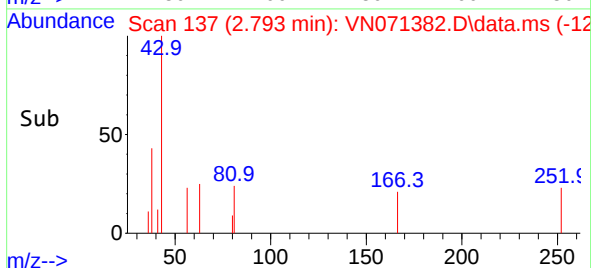
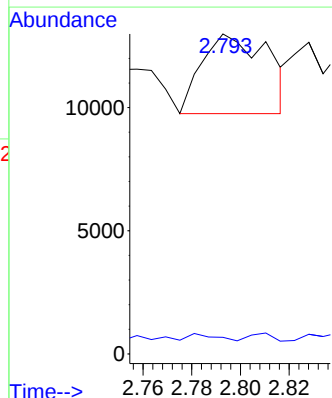
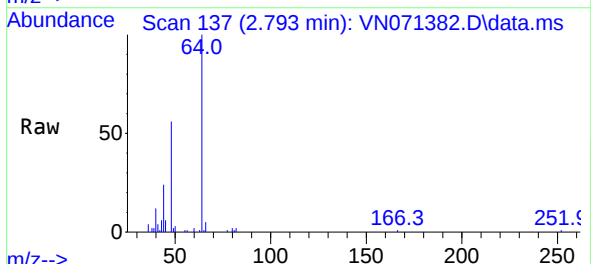
Instrument :
MSVOA_N
ClientSampleId :

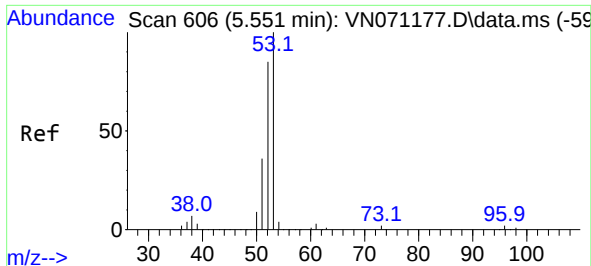
Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 80.5 73.8 110.8



#6
Chloroethane
Concen: 0.968 ug/l
RT: 2.793 min Scan# 137
Delta R.T. -0.211 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

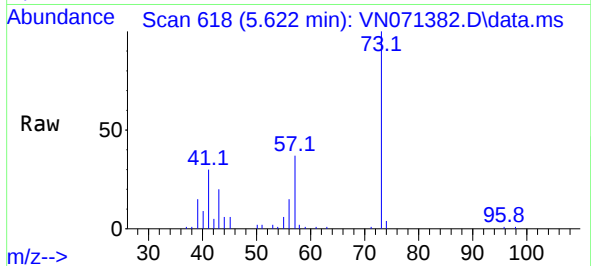
Tgt Ion: 64 Resp: 6098
Ion Ratio Lower Upper
64 100
66 4.7 26.3 39.5#



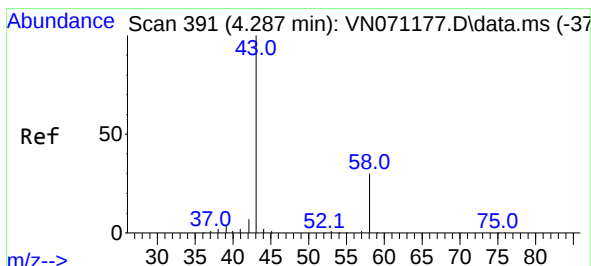
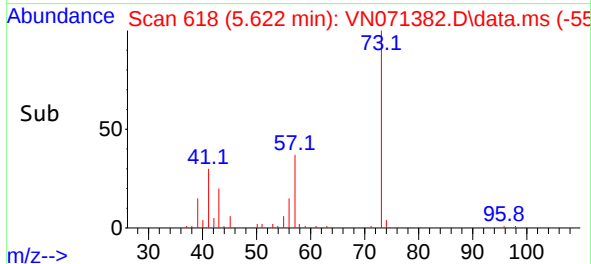
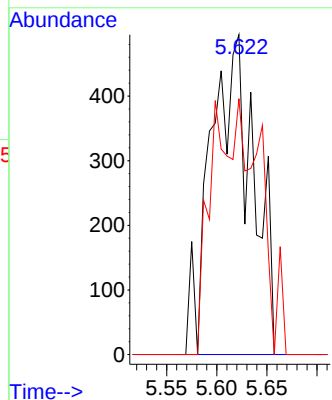


#15
Acrylonitrile
Concen: 0.236 ug/l
RT: 5.622 min Scan# 61
Delta R.T. 0.071 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :

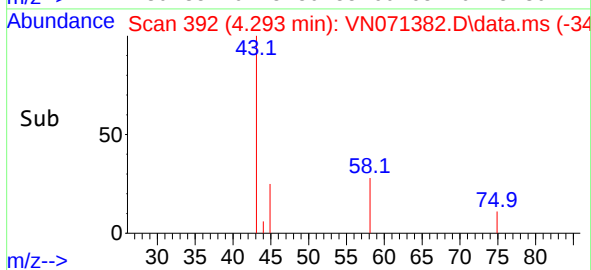
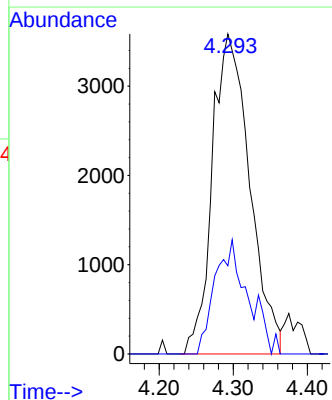
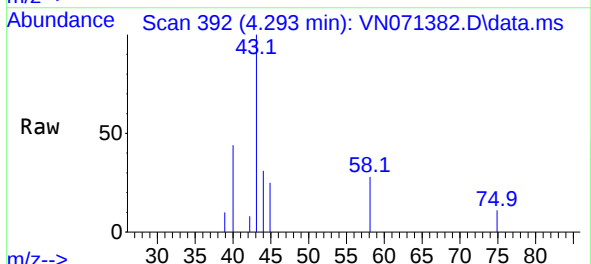


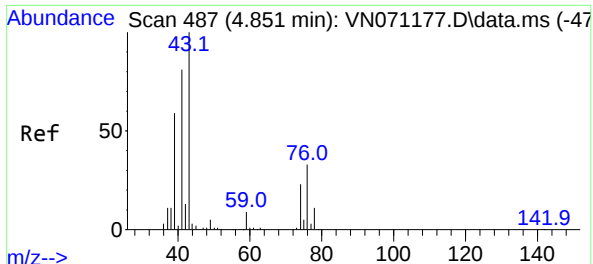
Tgt Ion: 53 Resp: 1458
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 0.0 29.6 44.4#



#16
Acetone
Concen: 2.438 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 43 Resp: 12586
Ion Ratio Lower Upper
43 100
58 27.6 23.1 34.7





#18

Methyl Acetate

Concen: 1.278 ug/l

RT: 4.851 min Scan# 487

Delta R.T. 0.000 min

Lab File: VN071382.D

Acq: 18 Mar 2022 19:07

Instrument :

MSVOA_N

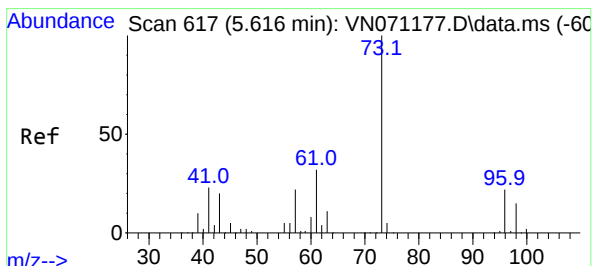
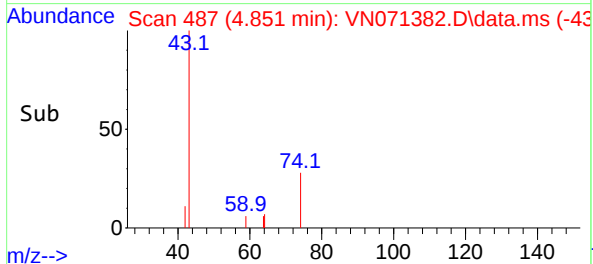
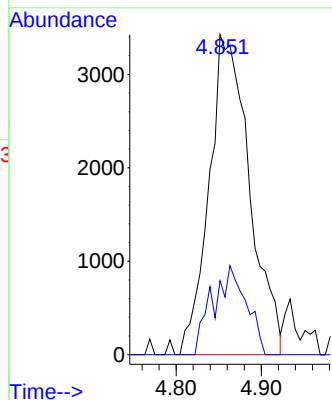
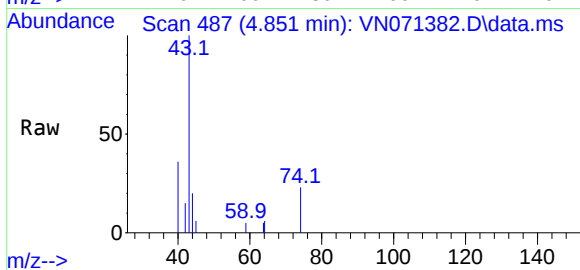
ClientSampleId :

Tgt Ion: 43 Resp: 11309

Ion Ratio Lower Upper

43 100

74 5.9 19.4 29.2#



#19

Methyl tert-butyl Ether

Concen: 2.869 ug/l

RT: 5.616 min Scan# 617

Delta R.T. 0.000 min

Lab File: VN071382.D

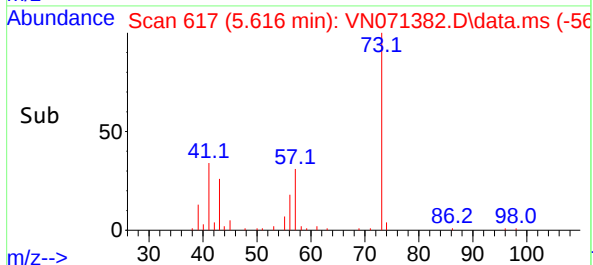
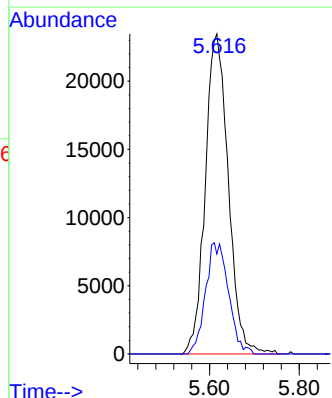
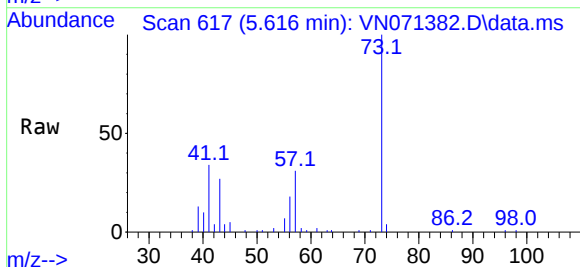
Acq: 18 Mar 2022 19:07

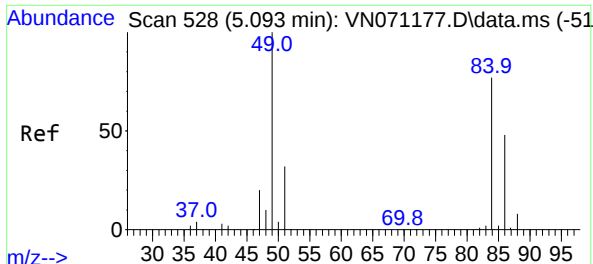
Tgt Ion: 73 Resp: 83611

Ion Ratio Lower Upper

73 100

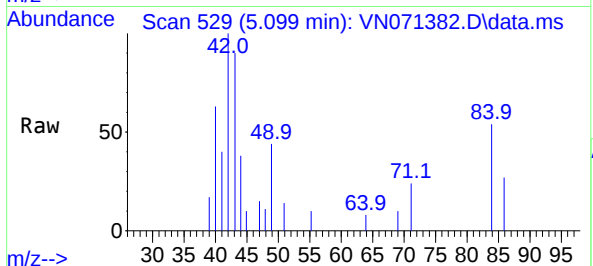
57 31.3 16.8 25.2#





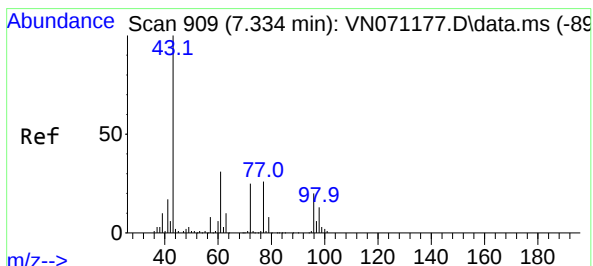
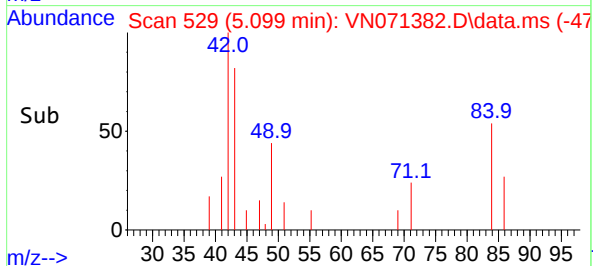
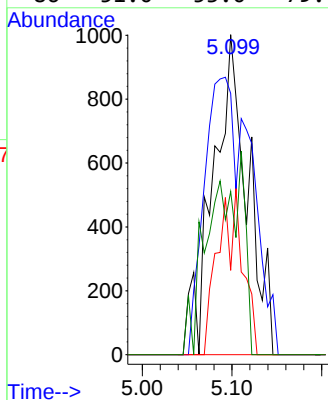
#20
Methylene Chloride
Concen: 0.664 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2683

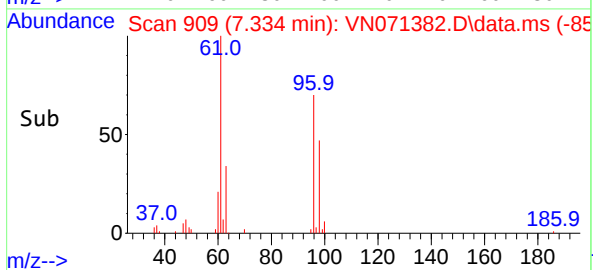
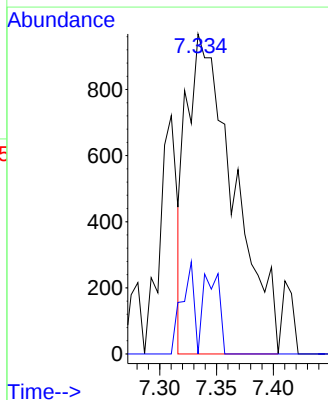
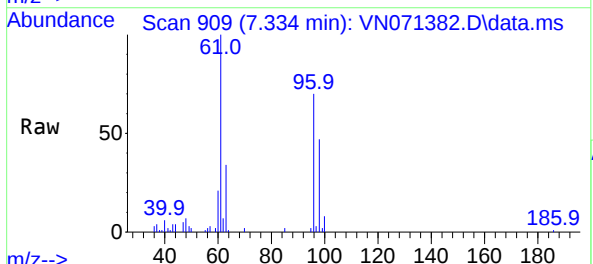
Ion	Ratio	Lower	Upper
84	100		
49	81.6	93.5	140.3#
51	26.3	29.4	44.2#
86	51.0	53.0	79.4#

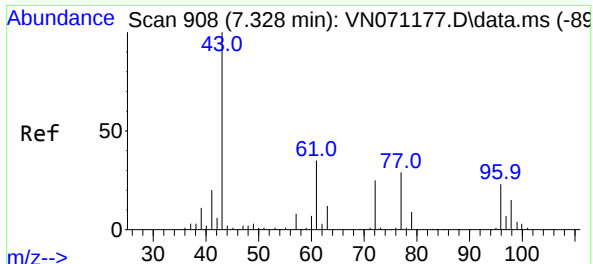


#25
2-Butanone
Concen: 0.338 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 43 Resp: 2809

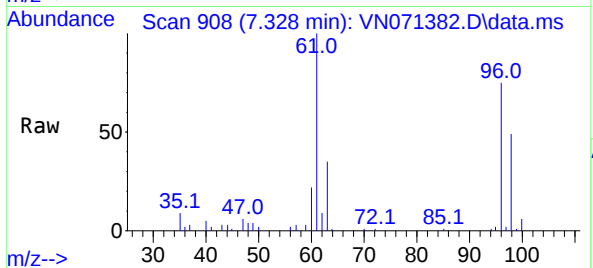
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





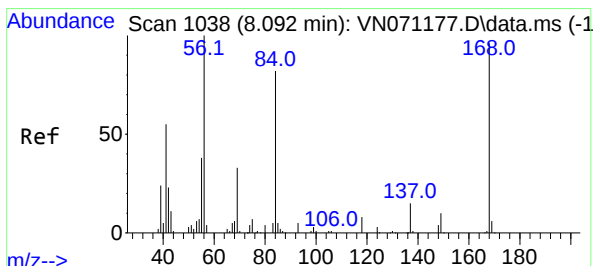
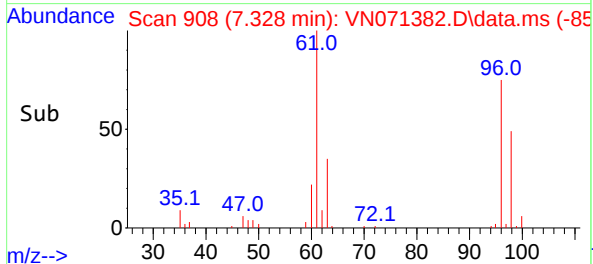
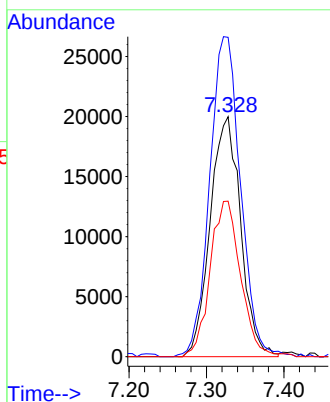
#27
 cis-1,2-Dichloroethene
 Concen: 5.416 ug/l
 RT: 7.328 min Scan# 908
 Delta R.T. 0.000 min
 Lab File: VN071382.D
 Acq: 18 Mar 2022 19:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 54573

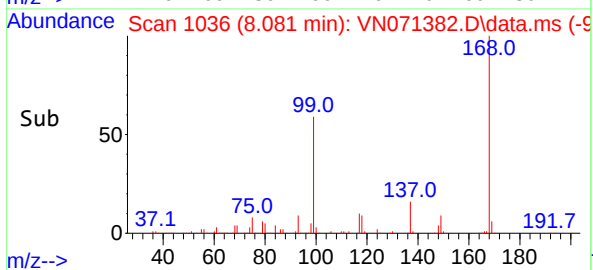
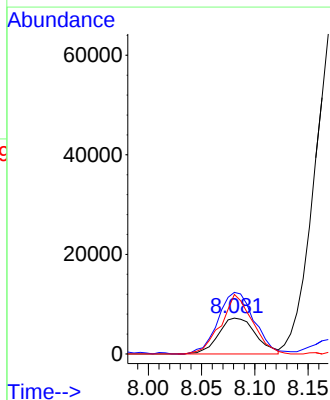
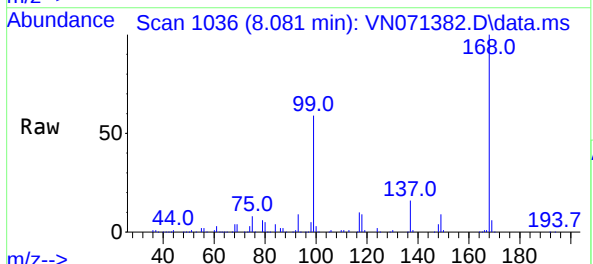
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	275.0
98	65.0	0.0	129.6

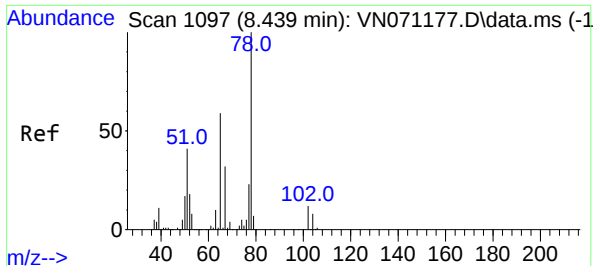


#31
 Cyclohexane
 Concen: 1.038 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.012 min
 Lab File: VN071382.D
 Acq: 18 Mar 2022 19:07

Tgt Ion: 56 Resp: 17581

Ion	Ratio	Lower	Upper
56	100		
69	171.6	27.1	40.7#
84	165.7	73.4	110.0#

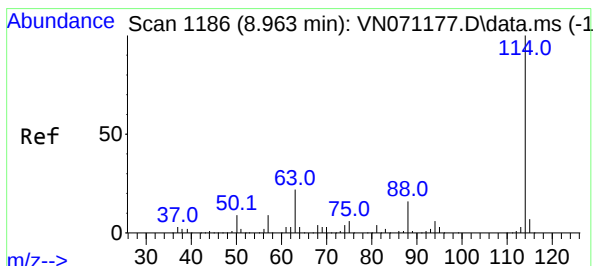
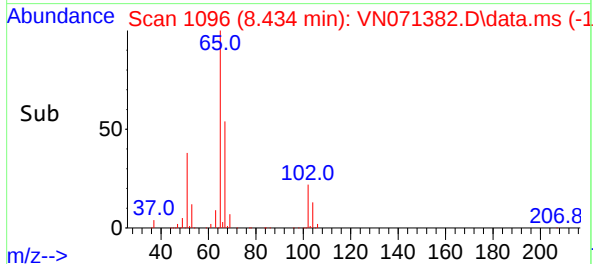
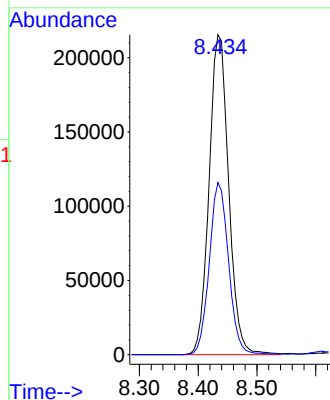
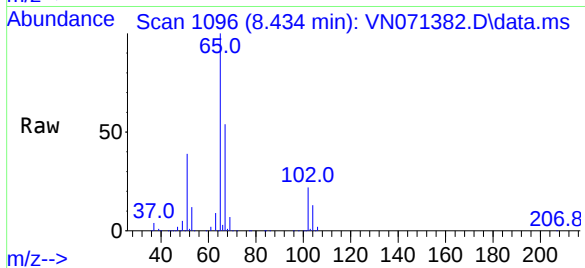




#33
1,2-Dichloroethane-d4
Concen: 46.979 ug/l
RT: 8.434 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

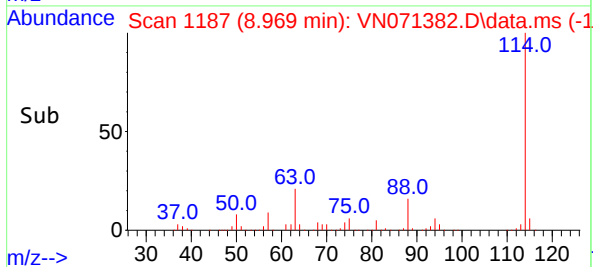
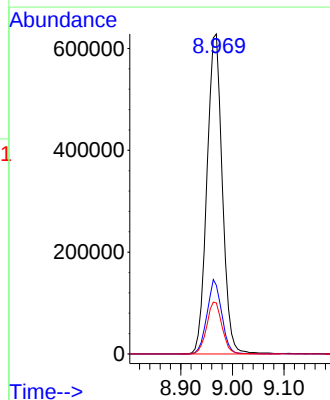
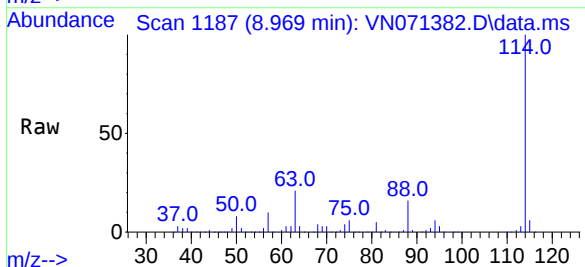
Instrument :
MSVOA_N
ClientSampleId :

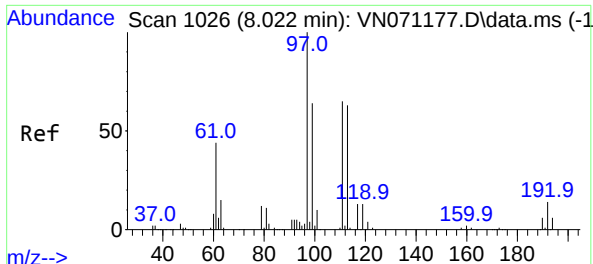
Tgt Ion: 65 Resp: 498507
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

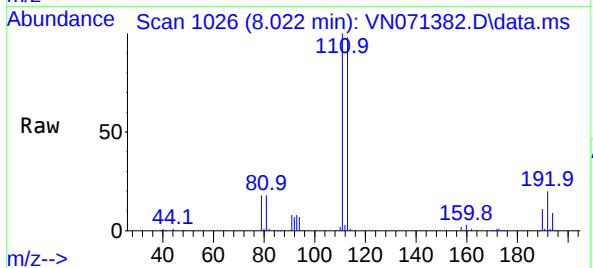
Tgt Ion: 114 Resp: 1297485
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 16.0 0.0 27.4



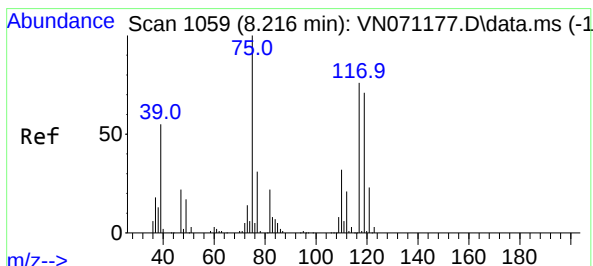
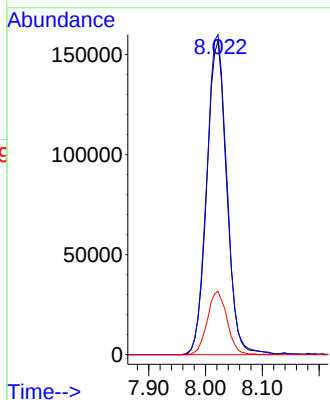
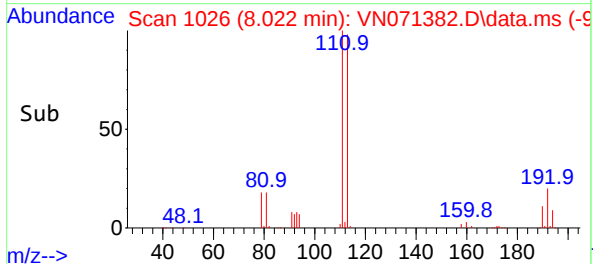


#35
Dibromofluoromethane
Concen: 46.658 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :

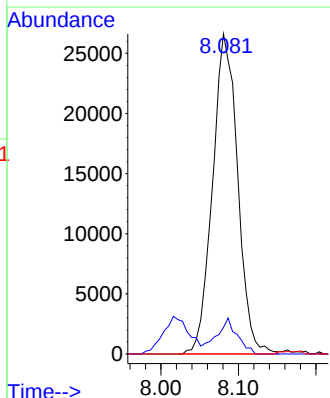
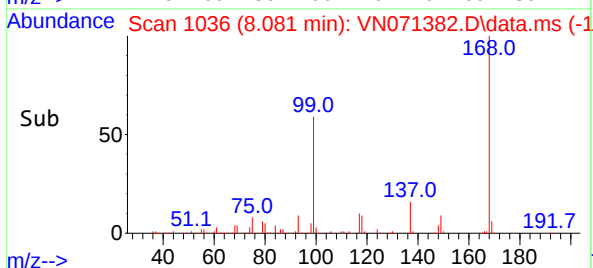
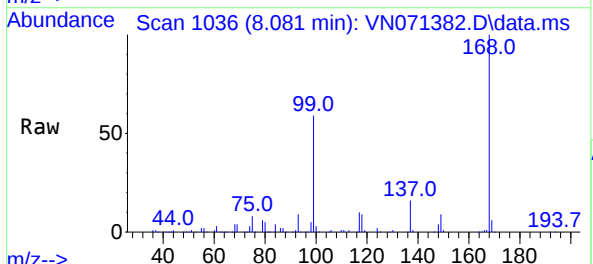


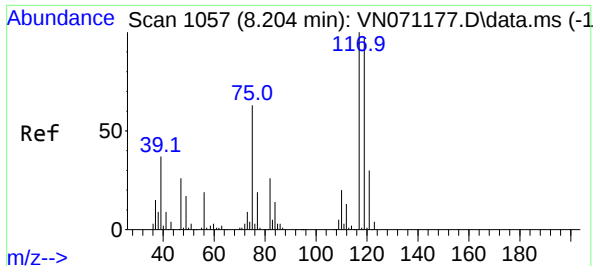
Tgt Ion:113 Resp: 382016
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.585 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

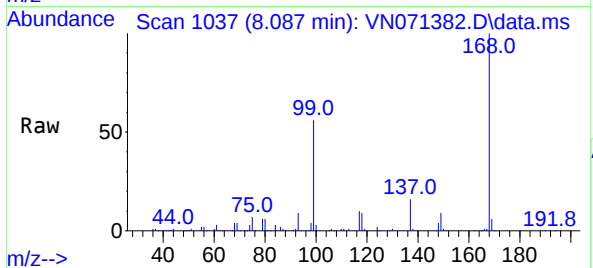
Tgt Ion: 75 Resp: 60143
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



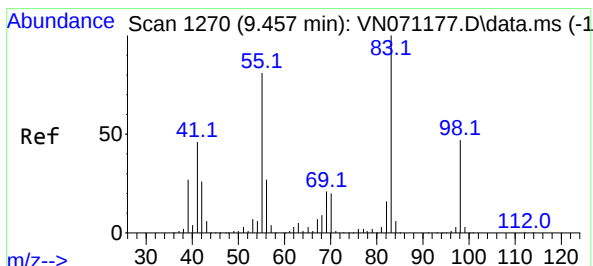
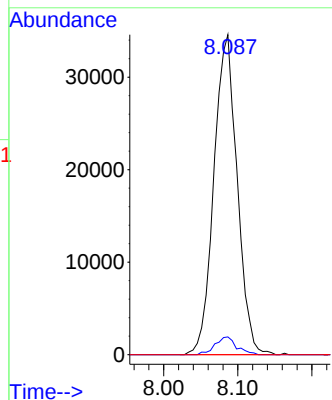
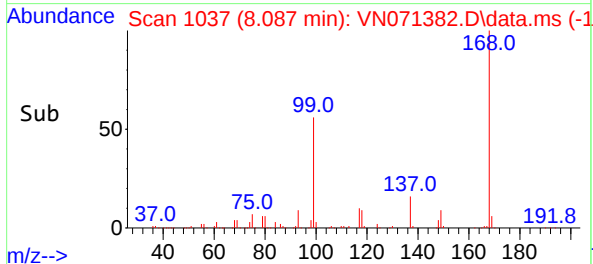


#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.117 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :

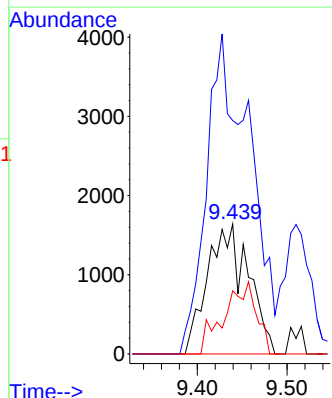
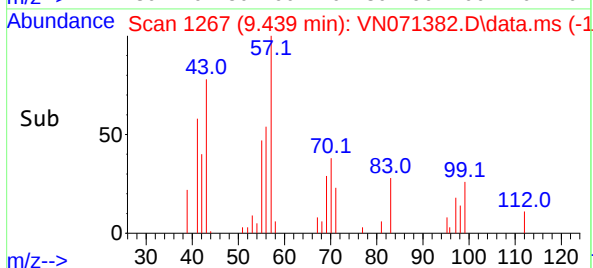
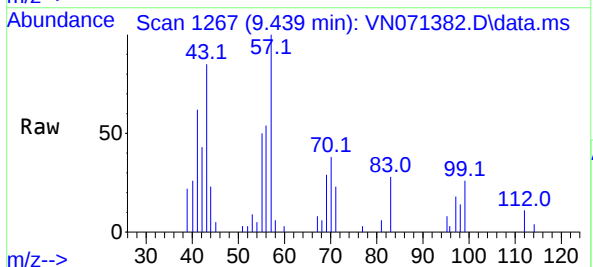


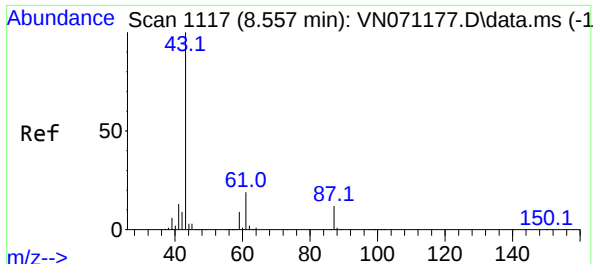
Tgt Ion:117 Resp: 75517
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.336 ug/l
RT: 9.439 min Scan# 1267
Delta R.T. -0.018 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 83 Resp: 5180
Ion Ratio Lower Upper
83 100
55 179.6 58.1 87.1#
98 48.6 38.4 57.6

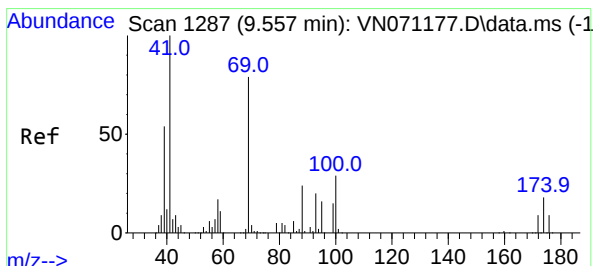
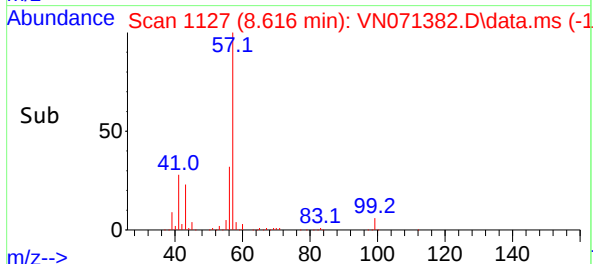
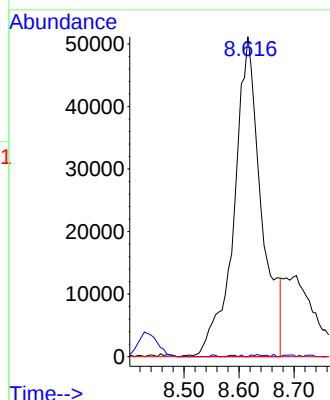
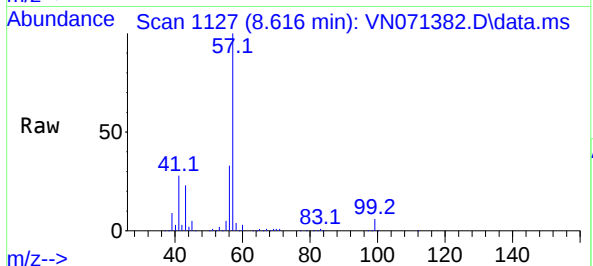




#43
Isopropyl Acetate
Concen: 6.534 ug/l
RT: 8.616 min Scan# 1117
Delta R.T. 0.059 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

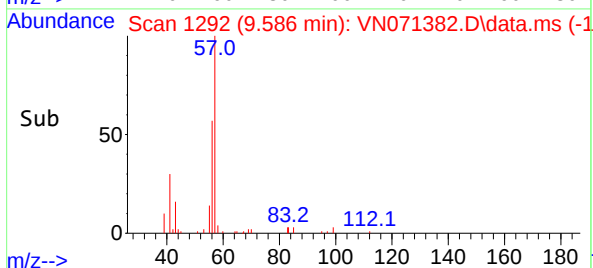
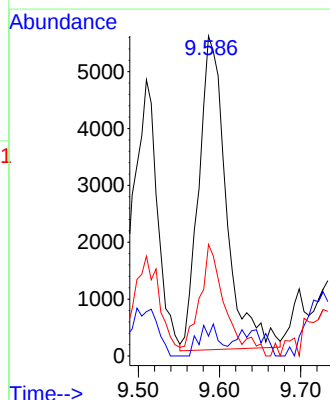
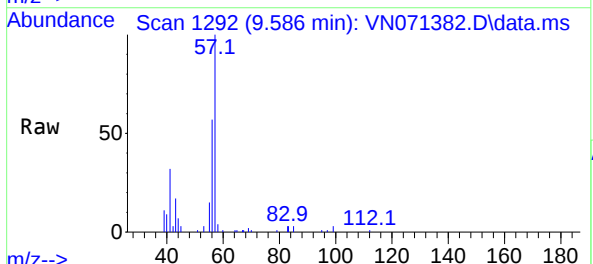
Instrument :
MSVOA_N
ClientSampleId :

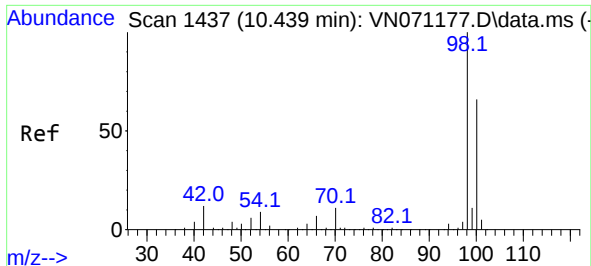
Tgt Ion: 43 Resp: 176406
Ion Ratio Lower Upper
43 100
61 0.3 20.4 30.6#
87 0.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.041 ug/l
RT: 9.586 min Scan# 1292
Delta R.T. 0.029 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 41 Resp: 13027
Ion Ratio Lower Upper
41 100
69 7.1 72.4 108.6#
39 25.5 58.4 87.6#

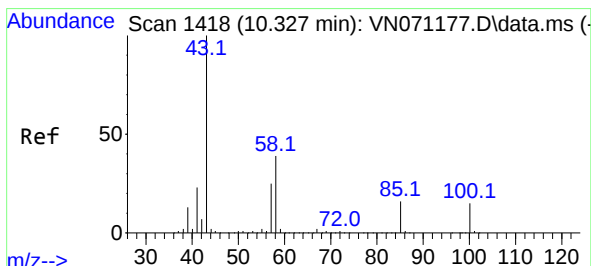
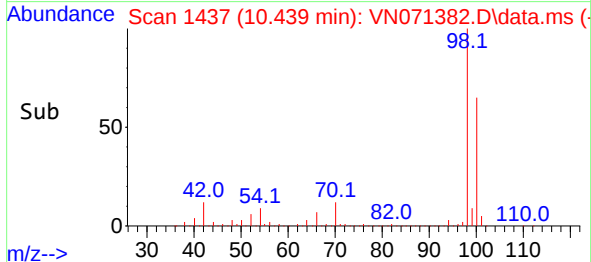
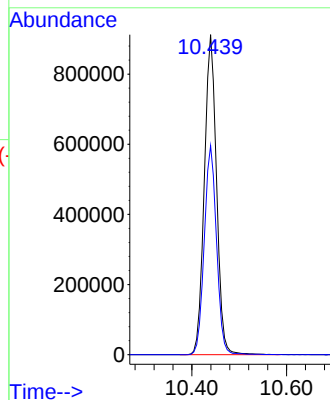
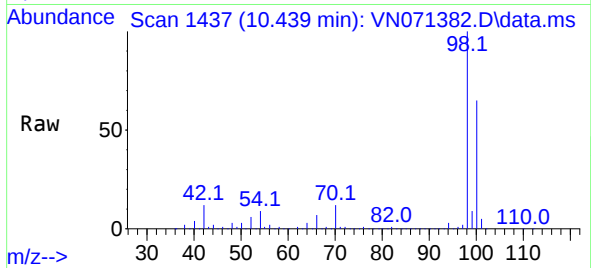




#50
Toluene-d8
Concen: 49.334 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

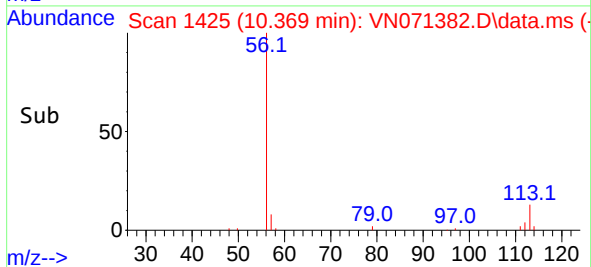
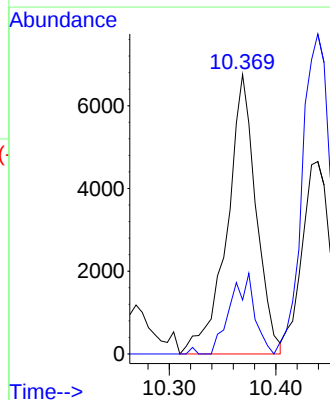
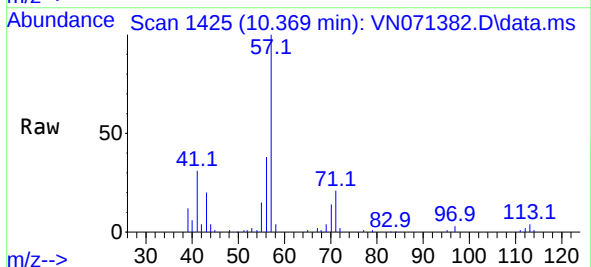
Instrument :
MSVOA_N
ClientSampleId :

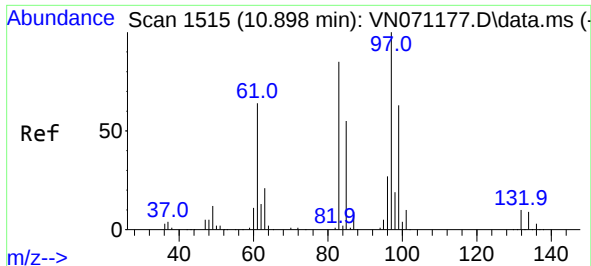
Tgt Ion: 98 Resp: 1626323
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.763 ug/l
RT: 10.369 min Scan# 1425
Delta R.T. 0.042 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 43 Resp: 12788
Ion Ratio Lower Upper
43 100
58 24.1 30.4 45.6#

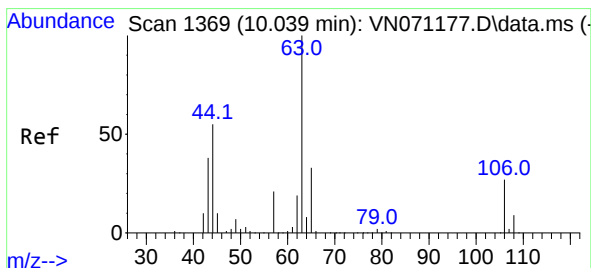
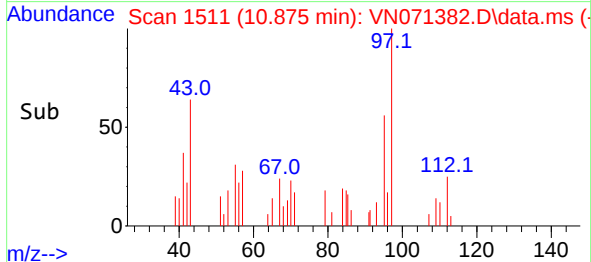
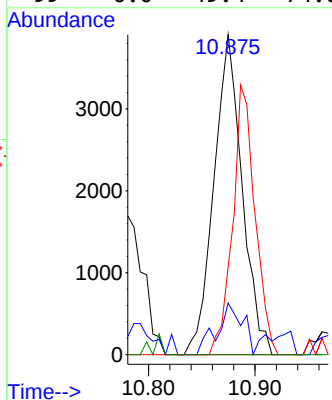
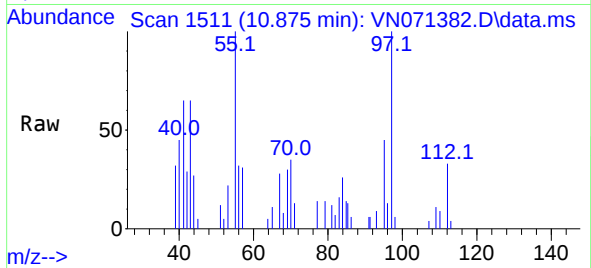




#55
1,1,2-Trichloroethane
Concen: 0.737 ug/l
RT: 10.875 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

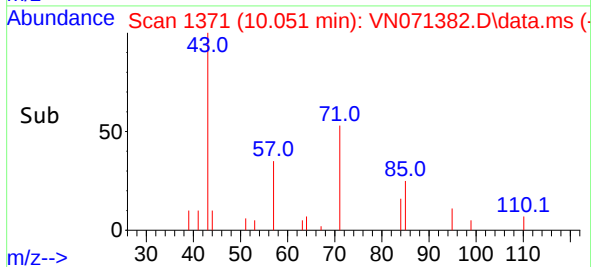
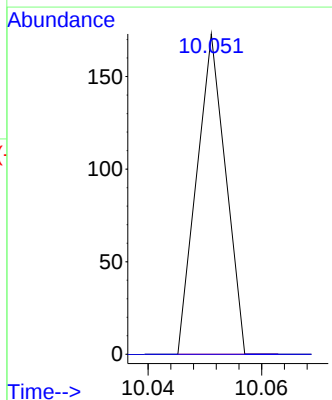
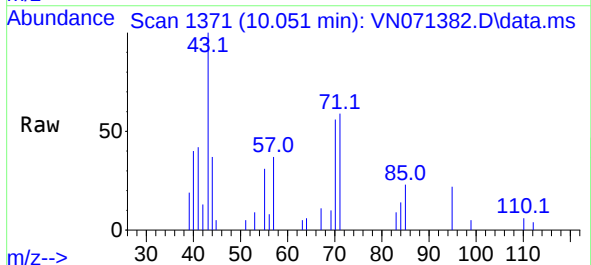
Instrument :
MSVOA_N
ClientSampleId :

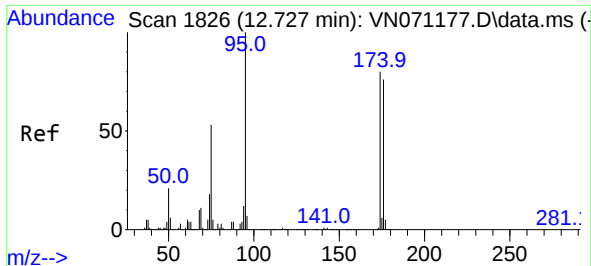
Tgt Ion: 97	Resp: 7187
Ion Ratio	Lower Upper
97 100	
83 16.2	67.8 101.6#
85 27.3	45.4 68.2#
99 0.0	49.4 74.0#



#58
2-Chloroethyl Vinyl ether
Concen: 27.881 ug/l
RT: 10.051 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 63	Resp: 61
Ion Ratio	Lower Upper
63 100	
106 0.0	23.9 35.9#

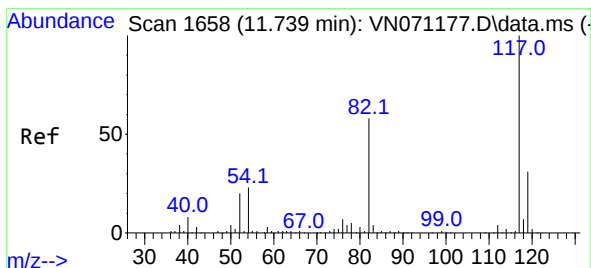
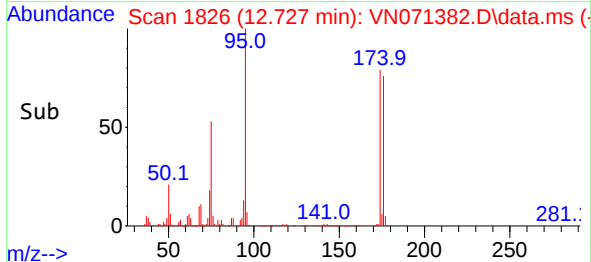
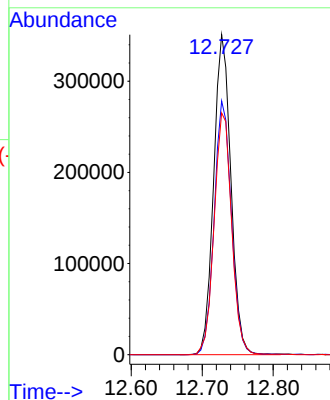
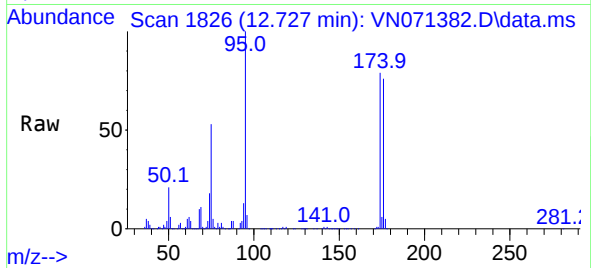




#62
4-Bromofluorobenzene
Concen: 52.921 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

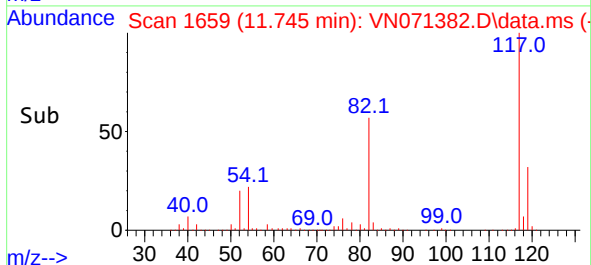
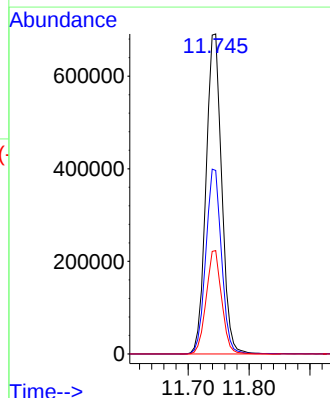
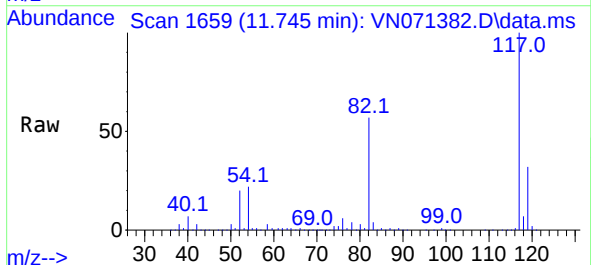
Instrument :
MSVOA_N
ClientSampleId :

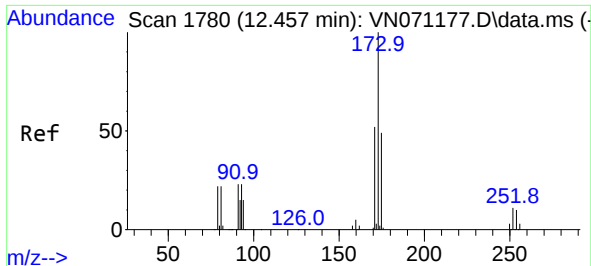
Tgt Ion: 95 Resp: 590755
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 117 Resp: 1238691
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 32.3 25.4 38.2

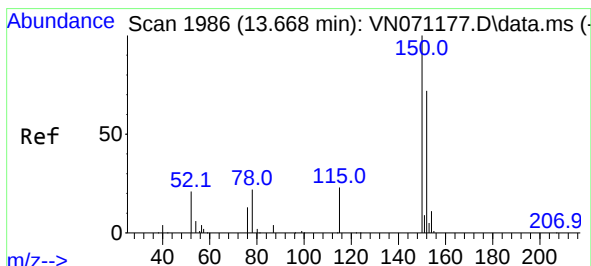
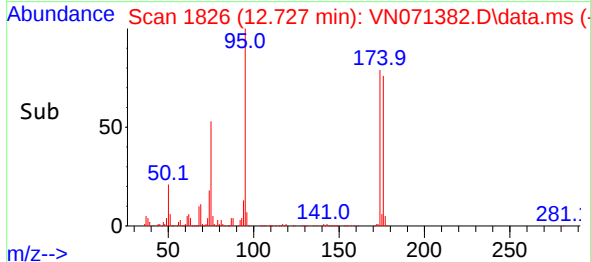
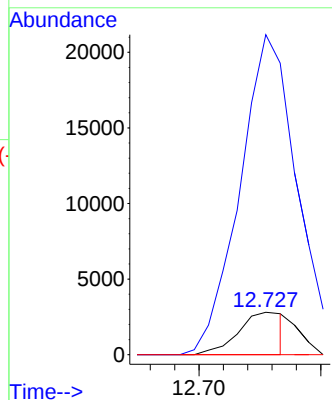
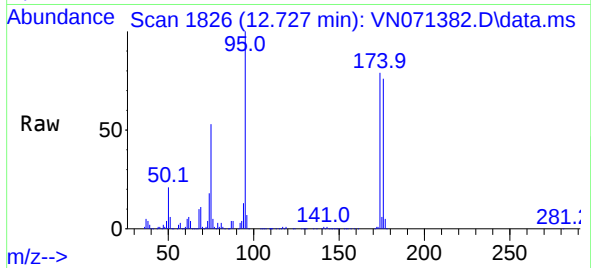




#71
Bromoform
Concen: 0.490 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

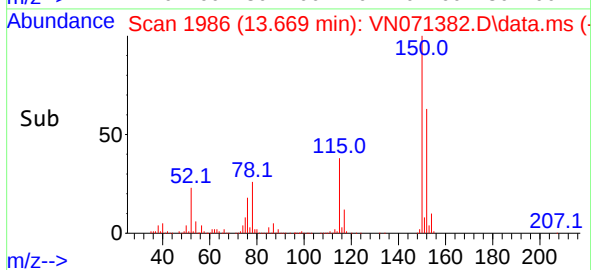
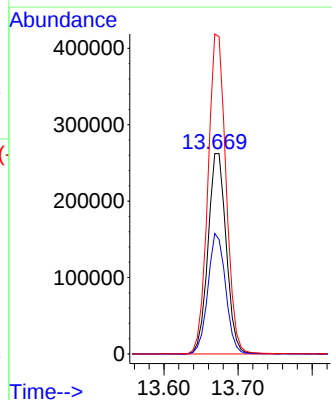
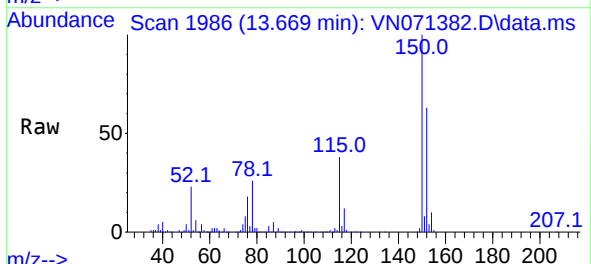
Instrument :
MSVOA_N
ClientSampleId :

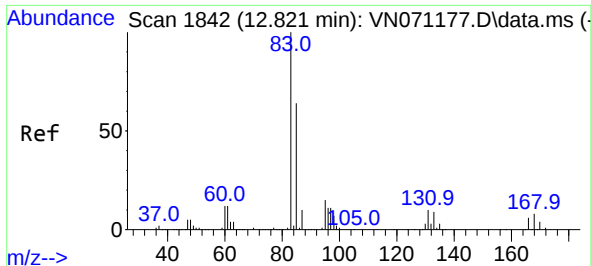
Tgt Ion:173 Resp: 3633
Ion Ratio Lower Upper
173 100
175 723.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion:152 Resp: 447446
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 158.7 0.0 344.4

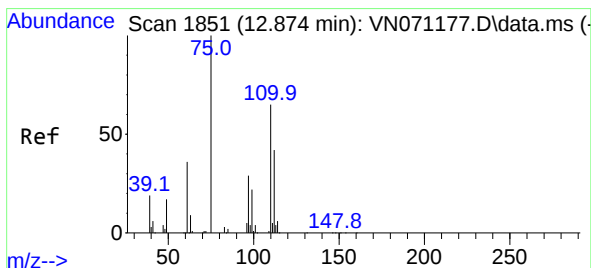
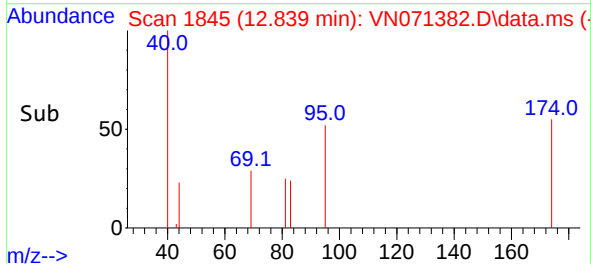
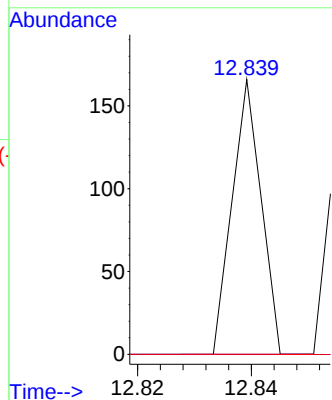
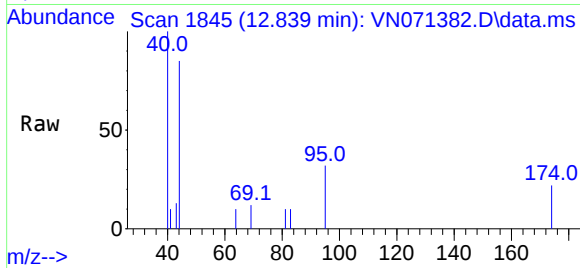




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.839 min Scan# 1845
Delta R.T. 0.018 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

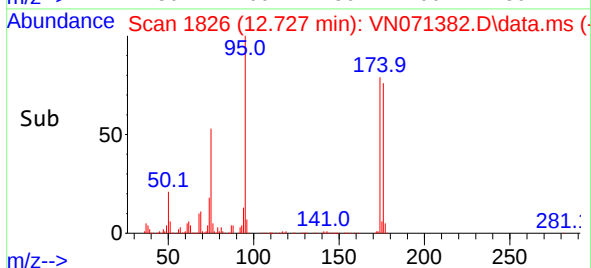
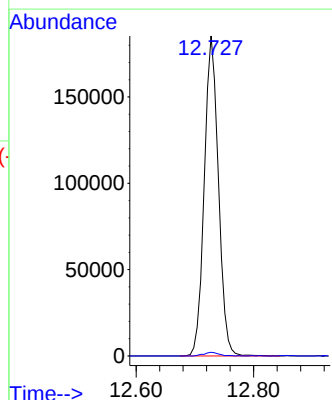
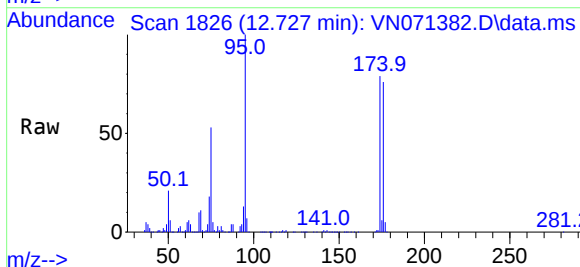
Instrument :
MSVOA_N
ClientSampleId :

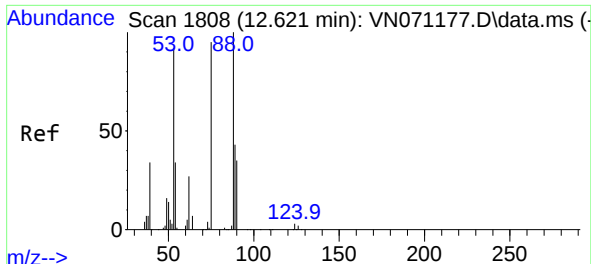
Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.175 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion: 75 Resp: 308669
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

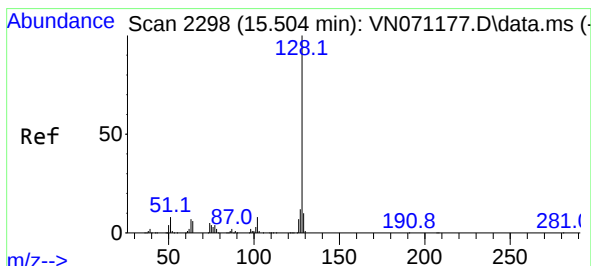
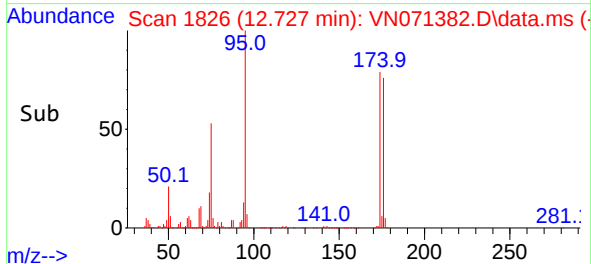
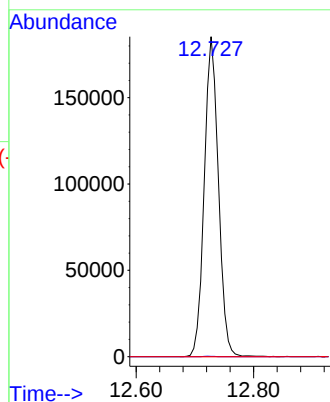
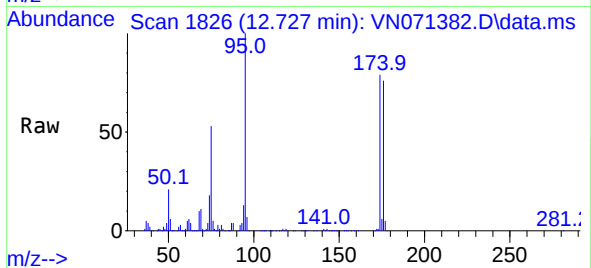




#81
trans-1,4-Dichloro-2-butene
Concen: 74.572 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 308669
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.121 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071382.D
Acq: 18 Mar 2022 19:07

Tgt Ion:128 Resp: 1215
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

