

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071950.D
 Acq On : 11 Apr 2022 20:53
 Operator : JC\MD
 Sample : PB143992ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:43:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

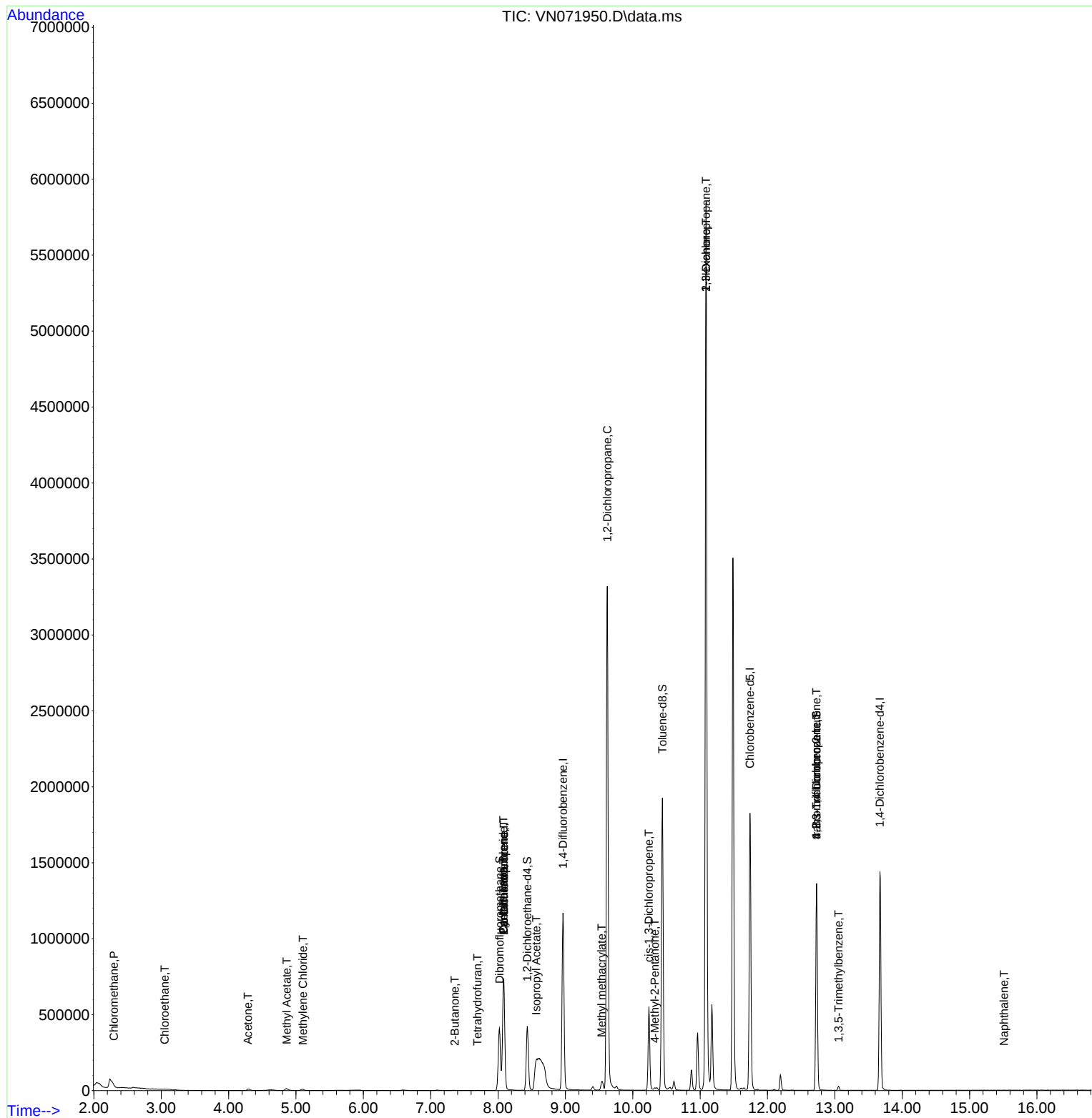
Internal Standards						
1) Pentafluorobenzene	8.086	168	620813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1087430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1146229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	440138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	339860	47.953	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.900%		
35) Dibromofluoromethane	8.022	113	305014	47.667	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.340%		
50) Toluene-d8	10.439	98	1379861	52.714	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.420%		
62) 4-Bromofluorobenzene	12.727	95	486891	57.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1933	0.309	ug/l #	73
6) Chloroethane	3.052	64	1242	0.251	ug/l	94
16) Acetone	4.287	43	17188	5.675	ug/l	94
18) Methyl Acetate	4.863	43	28022	2.292	ug/l	99
20) Methylene Chloride	5.104	84	7111	1.114	ug/l #	87
25) 2-Butanone	7.357	43	3840	0.879	ug/l #	89
29) Tetrahydrofuran	7.692	42	833	0.295	ug/l #	54
31) Cyclohexane	8.081	56	9854	1.022	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	42049	4.706	ug/l #	49
38) Carbon Tetrachloride	8.081	117	55178	6.301	ug/l #	18
43) Isopropyl Acetate	8.569	43	214072	13.159	ug/l #	67
45) 1,2-Dichloropropane	9.622	63	4967	0.704	ug/l #	44
48) Methyl methacrylate	9.539	41	15749	2.333	ug/l #	10
49) 1,4-Dioxane	9.616	88	604	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	9659	1.033	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	111127	10.182	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	67628	5.508	ug/l #	43
59) 2-Hexanone	11.086	43	812659	123.408	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	231772	22.731	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	13771	0.469	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	231772	70.444	ug/l #	10
95) Naphthalene	15.510	128	486	3.825	ug/l #	69

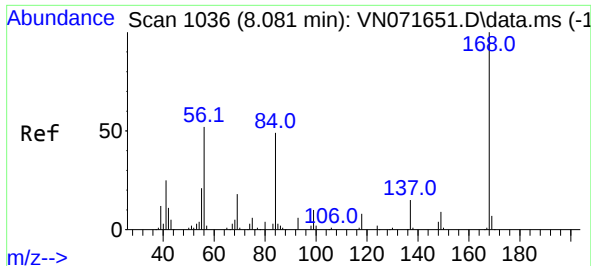
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 12 08:43:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

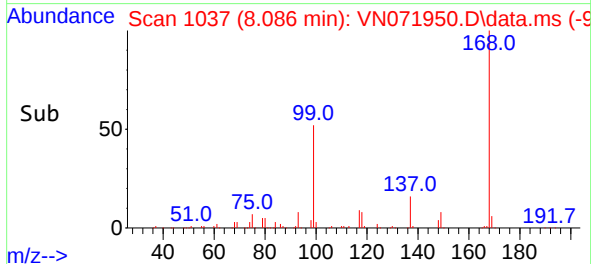
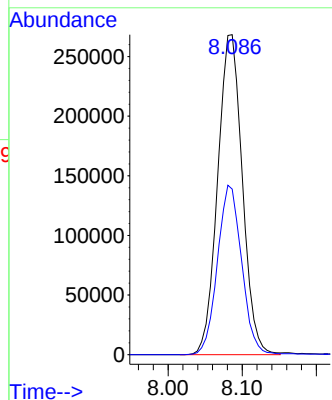
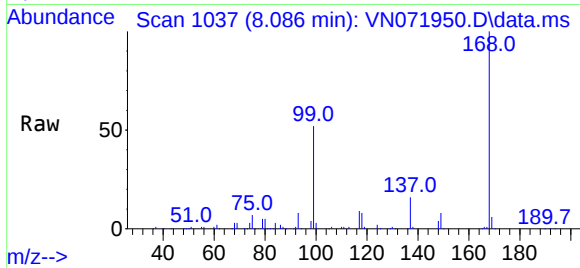




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

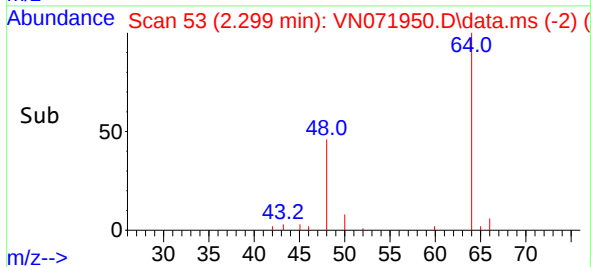
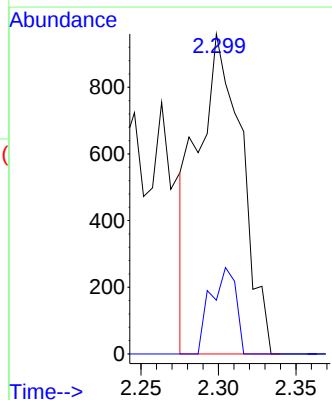
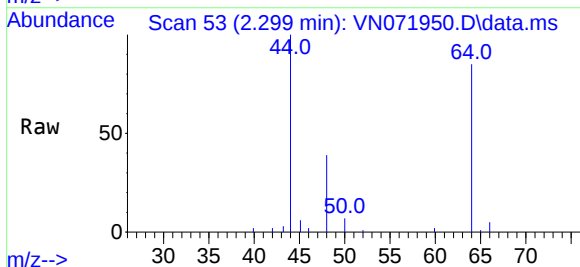
Instrument :
MSVOA_N
ClientSampleId :

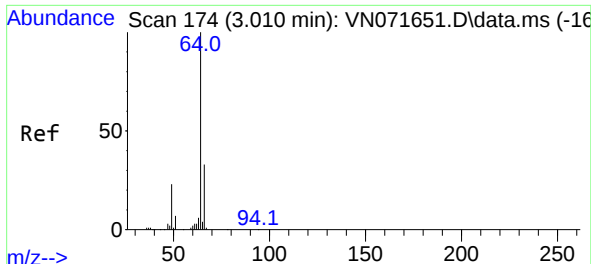
Tgt Ion:168 Resp: 620813
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: 0.309 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion: 50 Resp: 1933
Ion Ratio Lower Upper
50 100
52 16.8 25.7 38.5#

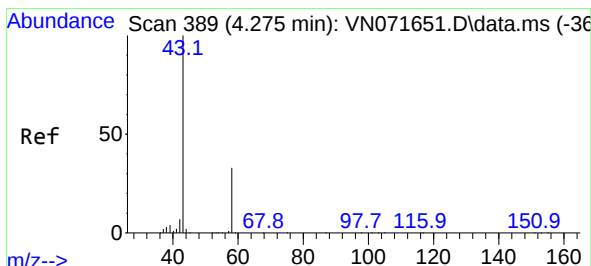
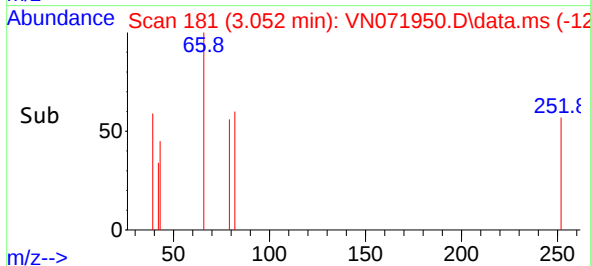
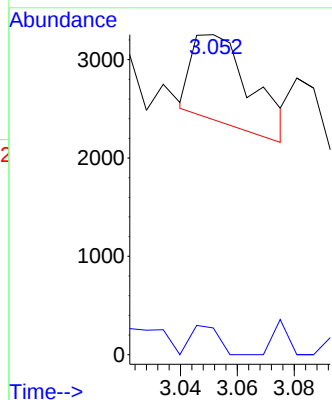
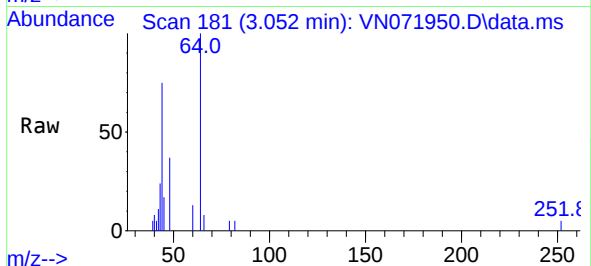




#6
Chloroethane
Concen: 0.251 ug/l
RT: 3.052 min Scan# 11
Delta R.T. 0.042 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

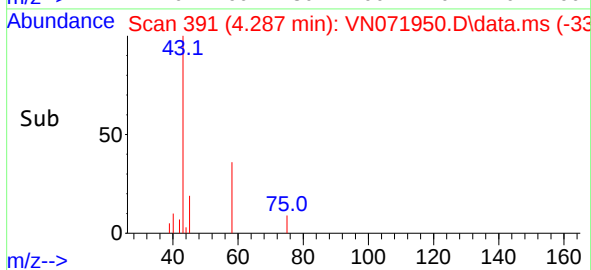
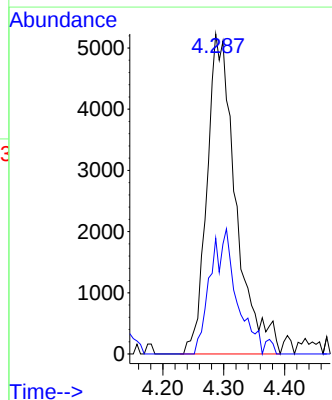
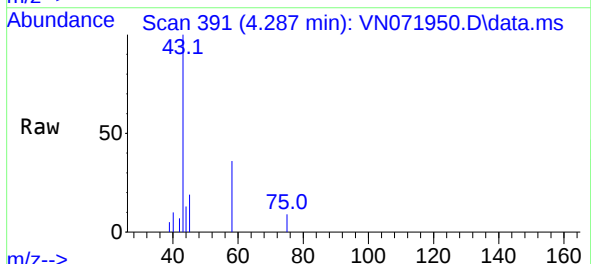
Instrument :
MSVOA_N
ClientSampleId :

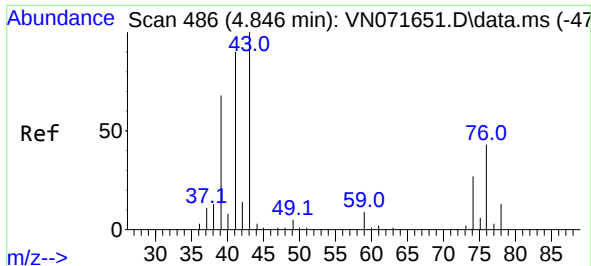
Tgt Ion: 64 Resp: 1242
Ion Ratio Lower Upper
64 100
66 36.2 26.2 39.4



#16
Acetone
Concen: 5.675 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion: 43 Resp: 17188
Ion Ratio Lower Upper
43 100
58 36.1 26.0 39.0

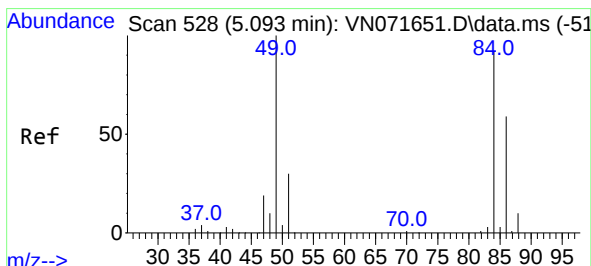
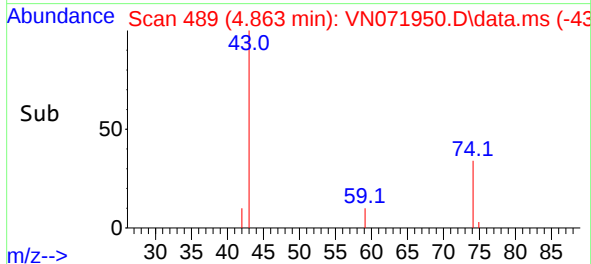
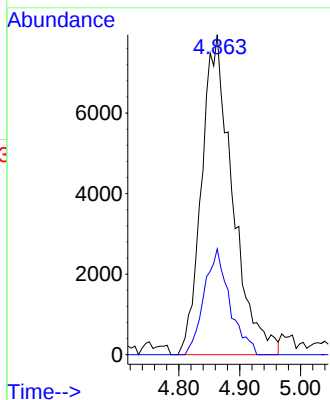
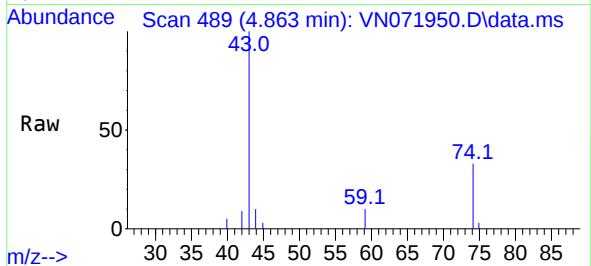




#18
Methyl Acetate
Concen: 2.292 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

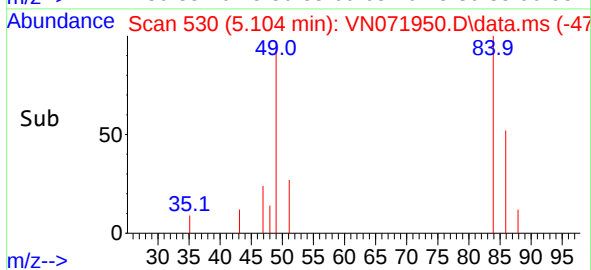
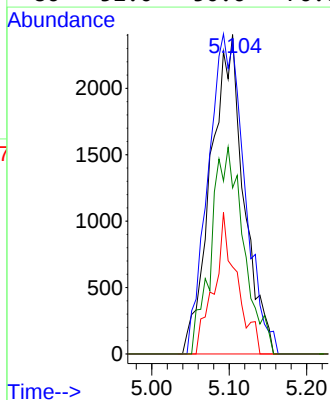
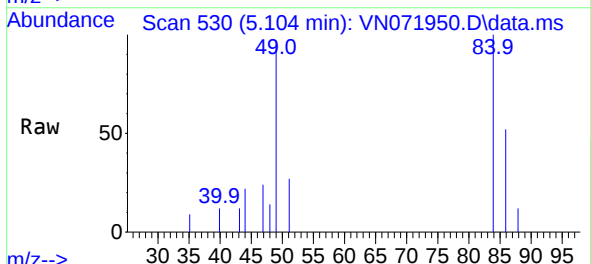
Instrument :
MSVOA_N
ClientSampleId :

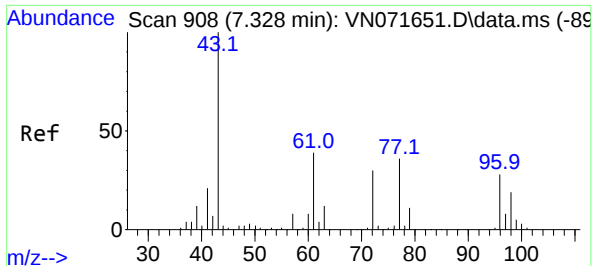
Tgt Ion: 43 Resp: 28022
Ion Ratio Lower Upper
43 100
74 27.5 21.6 32.4



#20
Methylene Chloride
Concen: 1.114 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion: 84 Resp: 7111
Ion Ratio Lower Upper
84 100
49 97.2 88.3 132.5
51 27.3 28.2 42.2#
86 52.0 50.6 76.0





#25

2-Butanone

Concen: 0.879 ug/l

RT: 7.357 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN071950.D

Acq: 11 Apr 2022 20:53

Instrument :

MSVOA_N

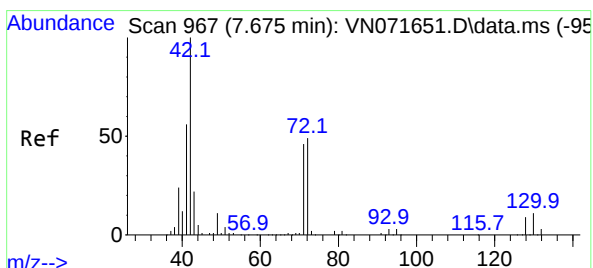
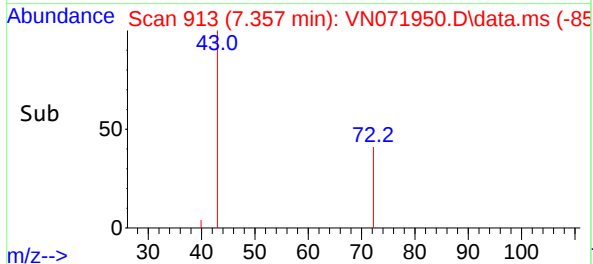
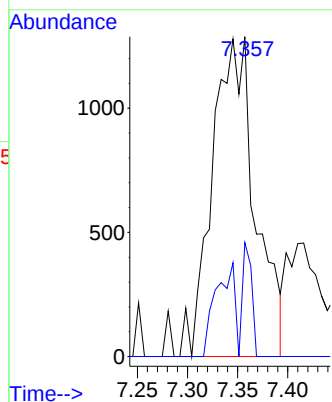
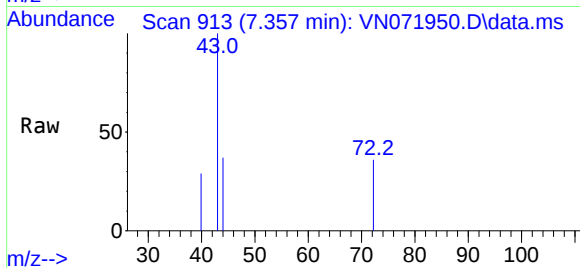
ClientSampleId :

Tgt Ion: 43 Resp: 3840

Ion Ratio Lower Upper

43 100

72 35.6 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.295 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN071950.D

Acq: 11 Apr 2022 20:53

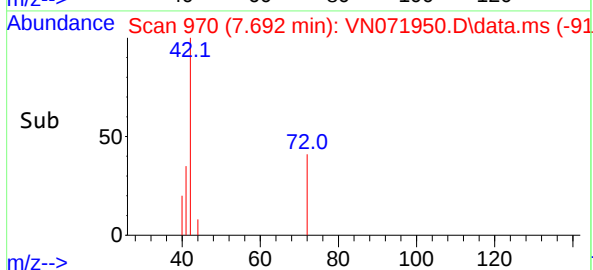
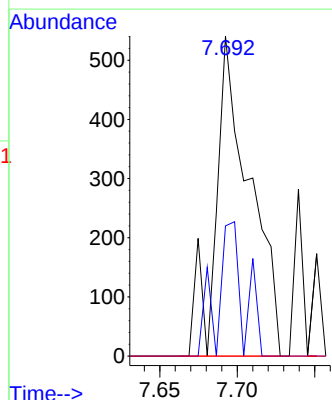
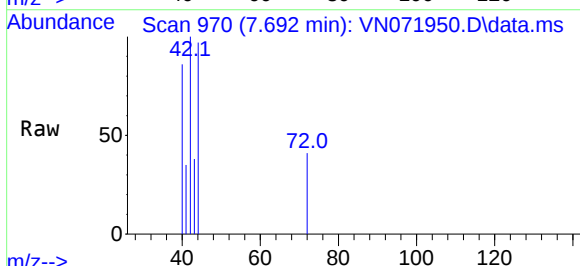
Tgt Ion: 42 Resp: 833

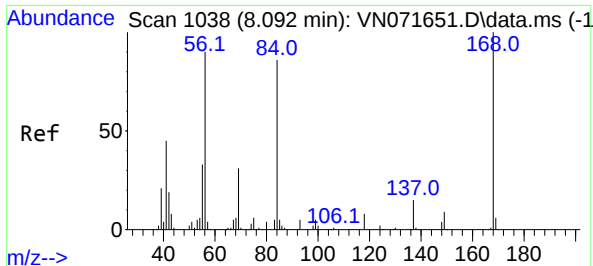
Ion Ratio Lower Upper

42 100

72 32.3 39.7 59.5#

71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.022 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

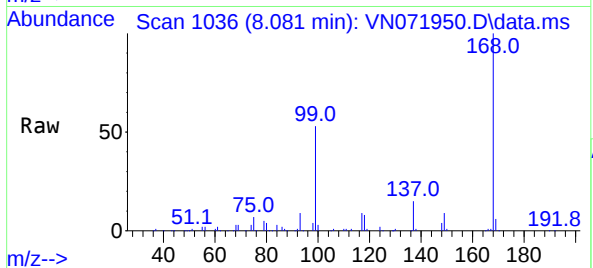
Lab File: VN071950.D

Acq: 11 Apr 2022 20:53

Instrument :

MSVOA_N

ClientSampleId :



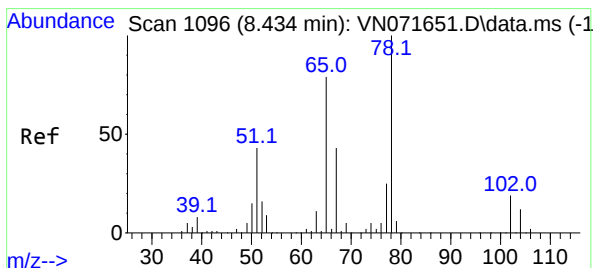
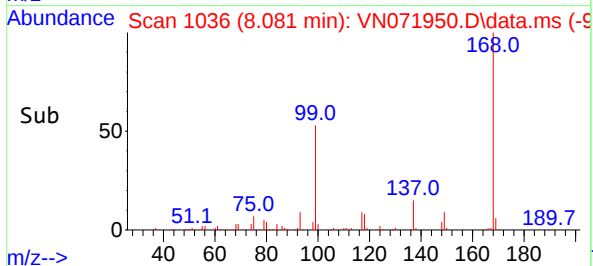
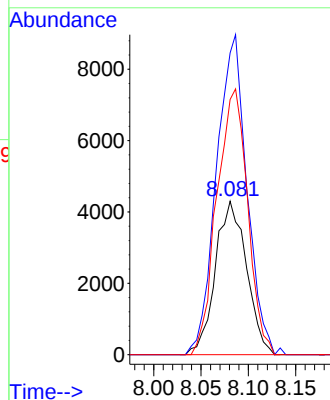
Tgt Ion: 56 Resp: 9854

Ion Ratio Lower Upper

56 100

69 196.6 27.8 41.8#

84 166.3 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.953 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071950.D

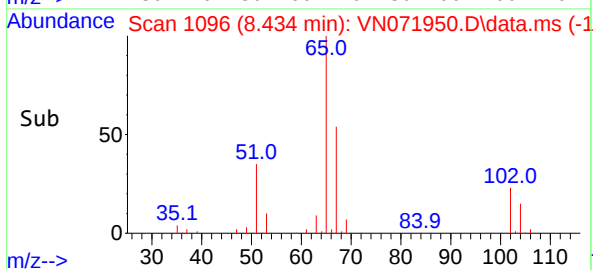
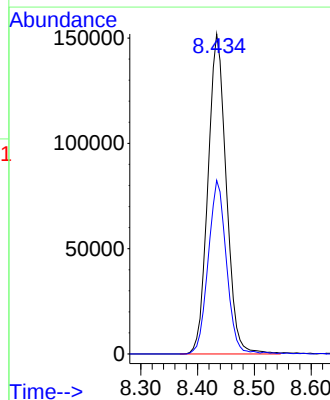
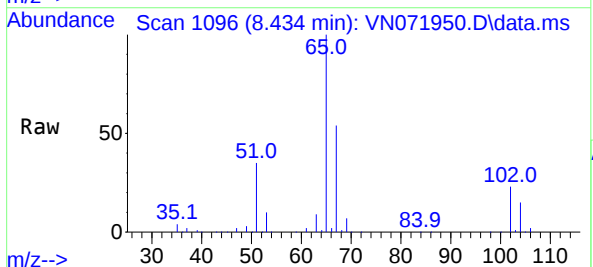
Acq: 11 Apr 2022 20:53

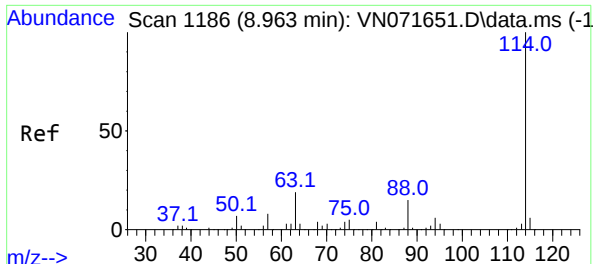
Tgt Ion: 65 Resp: 339860

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8

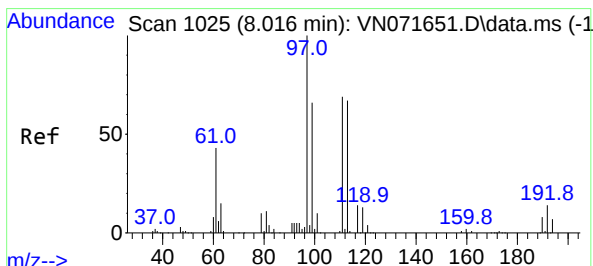
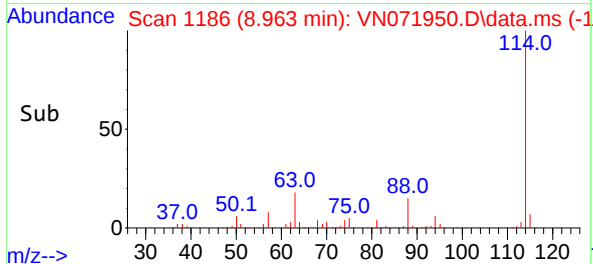
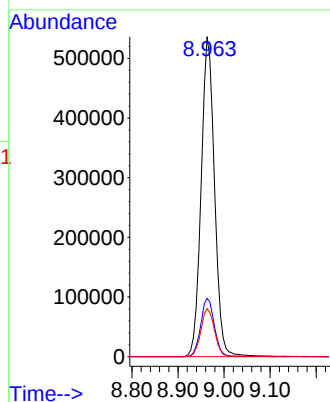
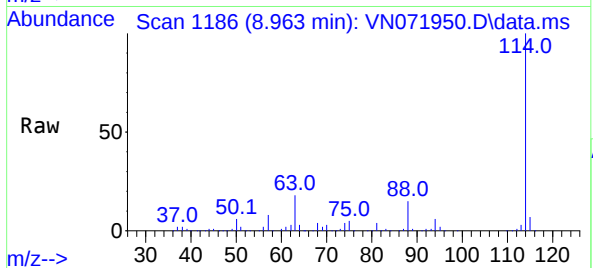




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

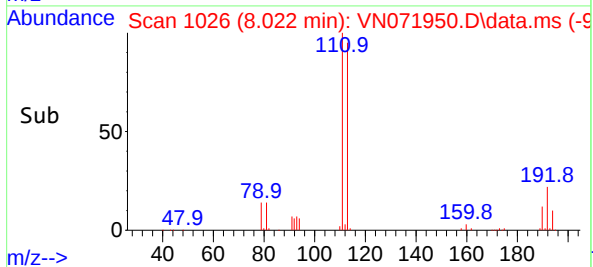
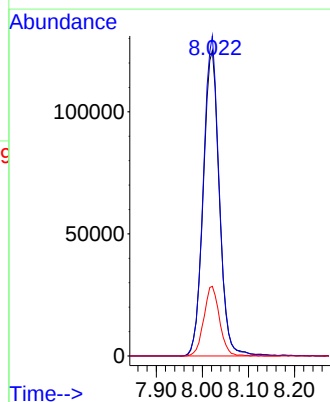
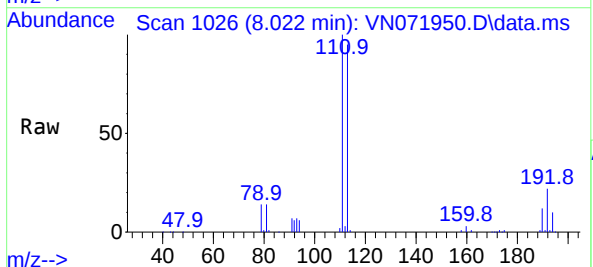
Instrument :
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ClientSampleId :

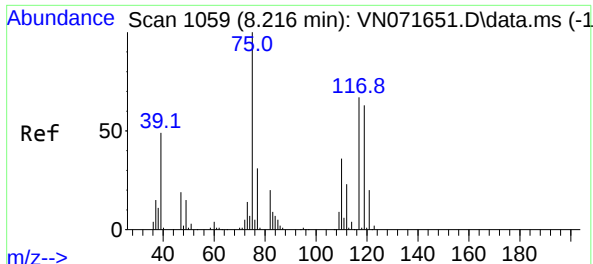
Tgt Ion:114 Resp: 1087430
Ion Ratio Lower Upper
114 100
63 18.2 0.0 40.0
88 15.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.667 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion:113 Resp: 305014
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 22.2 17.0 25.6

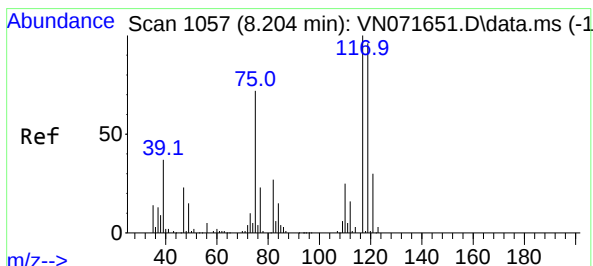
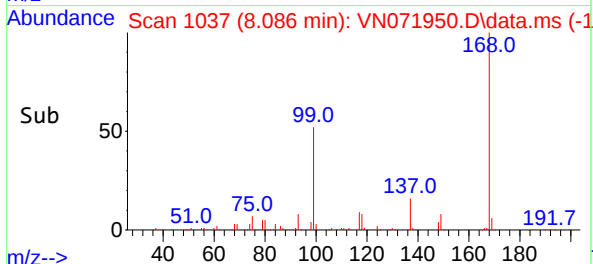
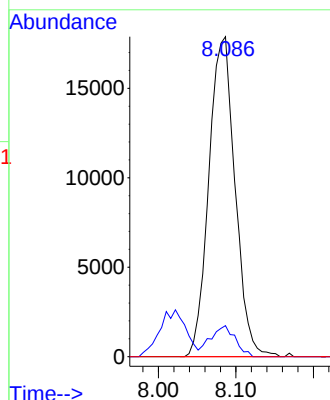
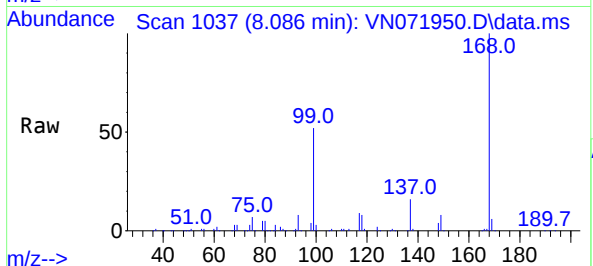




#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

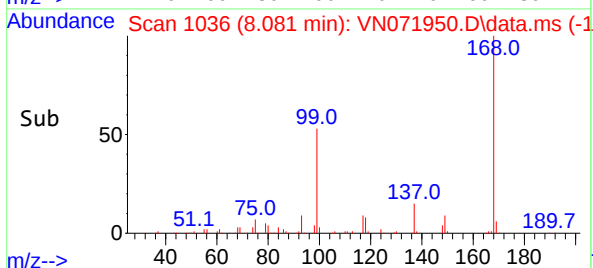
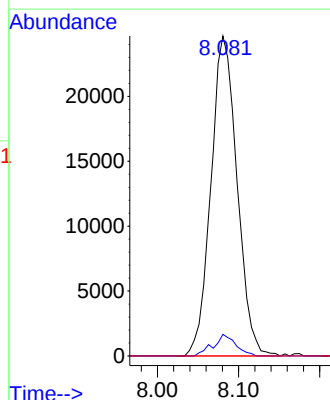
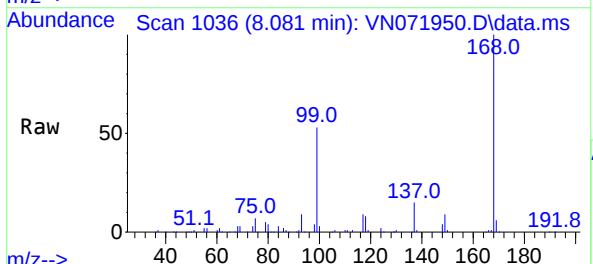
Instrument :
MSVOA_N
ClientSampleId :

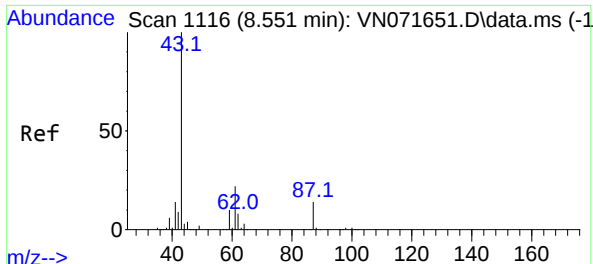
Tgt Ion: 75 Resp: 42049
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

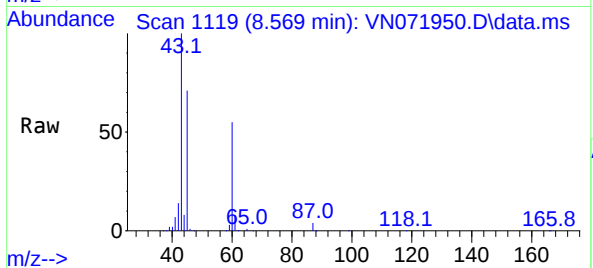
Tgt Ion: 117 Resp: 55178
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#



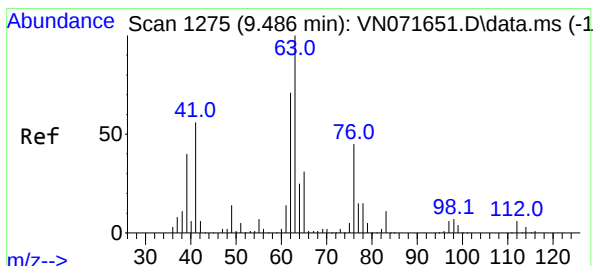
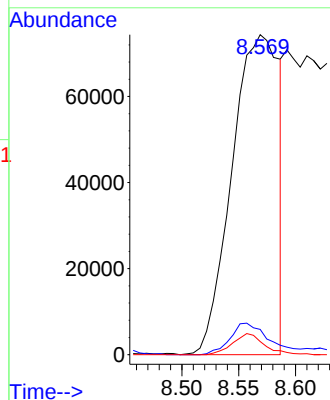
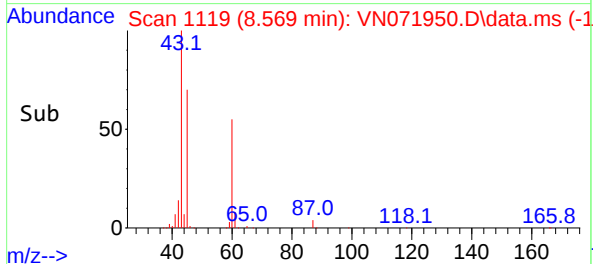


#43
Isopropyl Acetate
Concen: 13.159 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

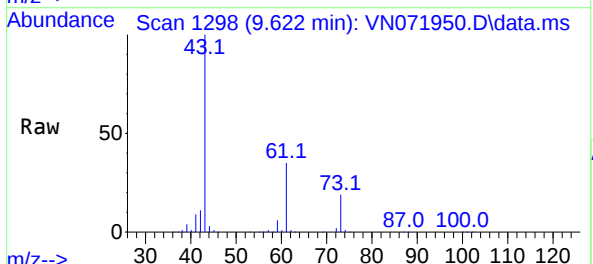
Instrument :
MSVOA_N
ClientSampleId :



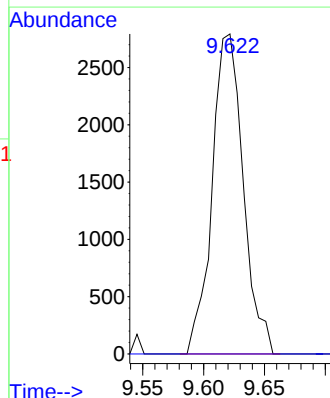
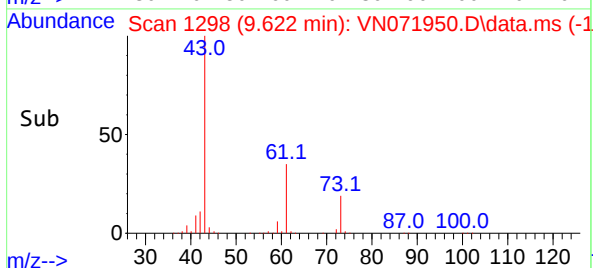
Tgt Ion: 43 Resp: 214072
Ion Ratio Lower Upper
43 100
61 8.3 21.9 32.9#
87 4.5 12.0 18.0#

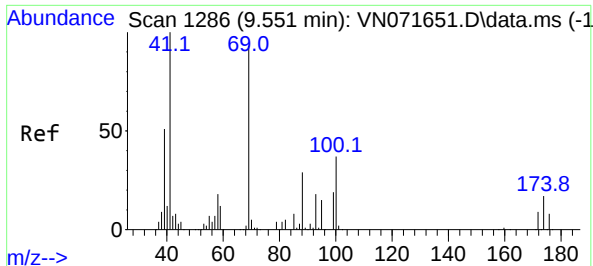


#45
1,2-Dichloropropane
Concen: 0.704 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53



Tgt Ion: 63 Resp: 4967
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

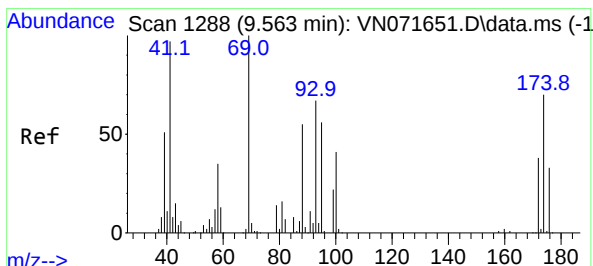
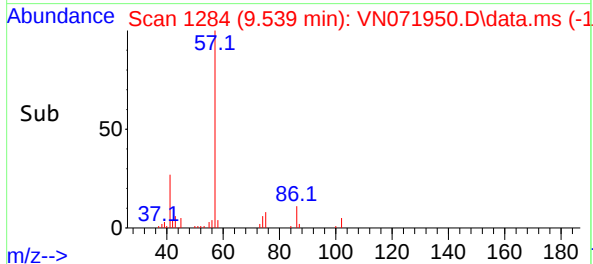
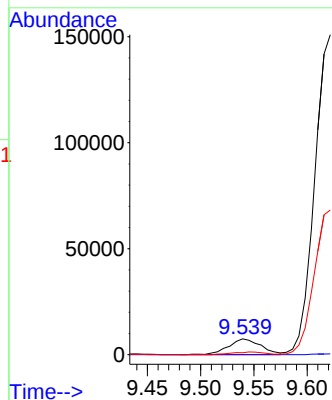
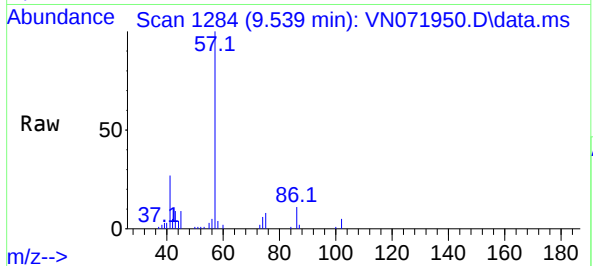




#48
Methyl methacrylate
Concen: 2.333 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

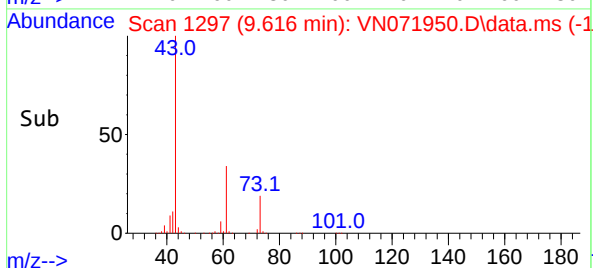
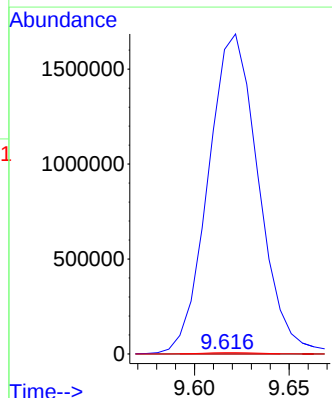
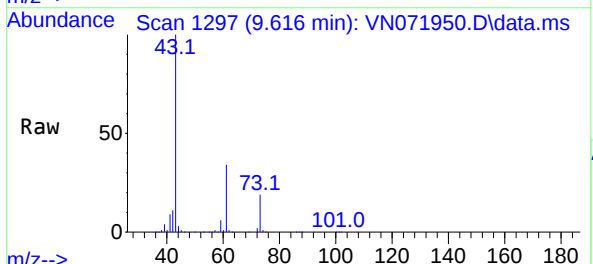
Instrument :
MSVOA_N
ClientSampleId :

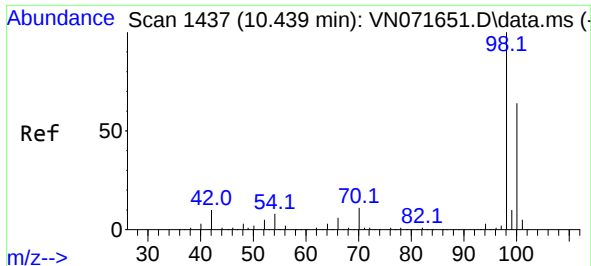
Tgt Ion: 41 Resp: 15749
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion: 88 Resp: 604
Ion Ratio Lower Upper
88 100
43 524340.2 20.2 30.4#
58 2465.6 54.2 81.4#

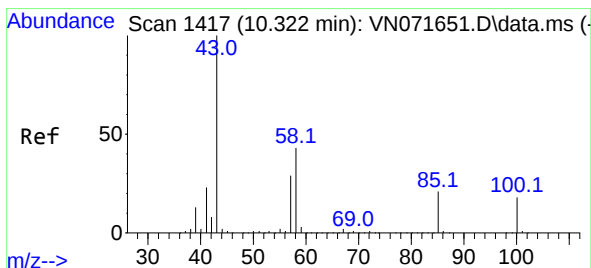
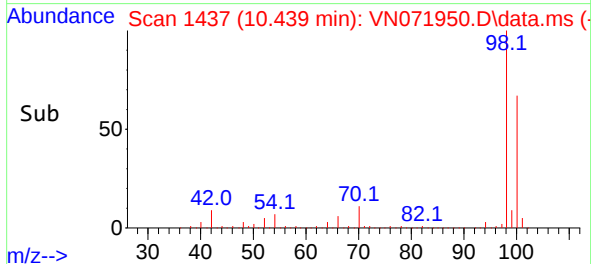
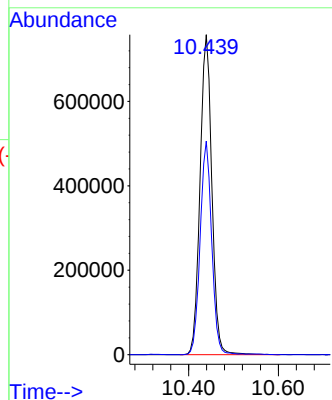
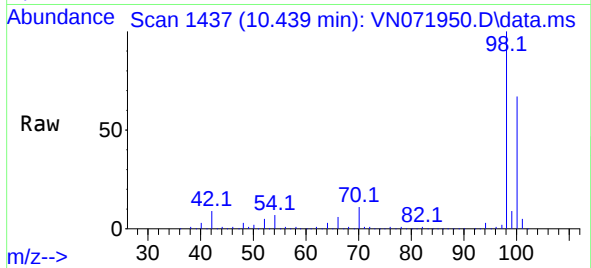




#50
Toluene-d8
Concen: 52.714 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

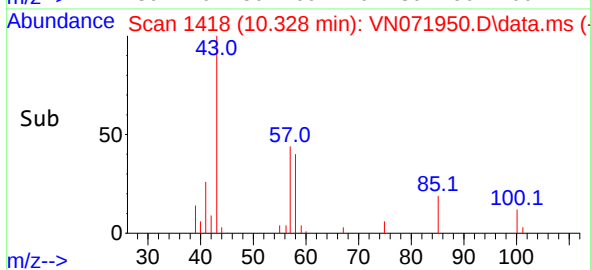
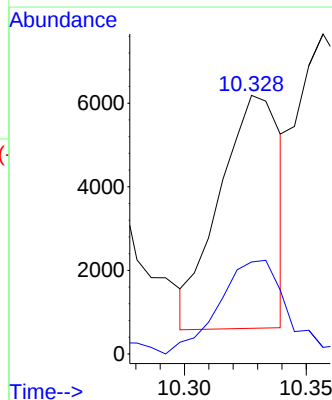
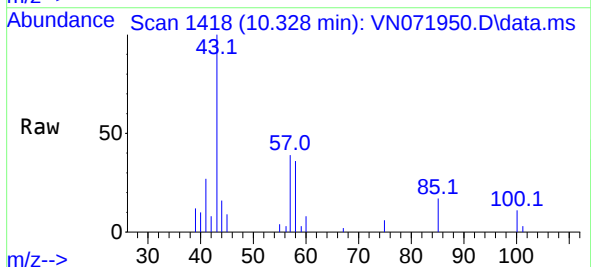
Instrument :
MSVOA_N
ClientSampleId :

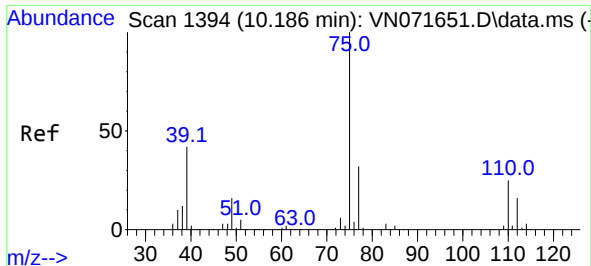
Tgt Ion: 98 Resp: 1379861
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.033 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion: 43 Resp: 9659
Ion Ratio Lower Upper
43 100
58 44.6 34.1 51.1

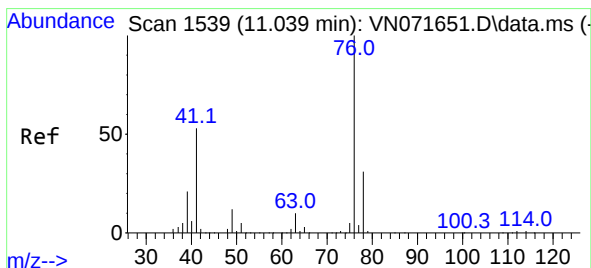
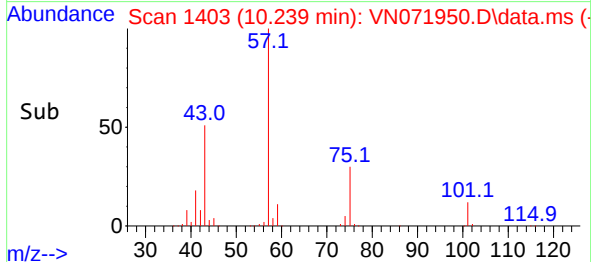
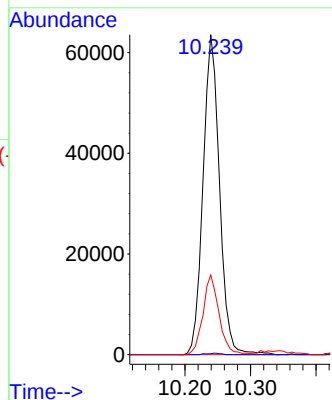
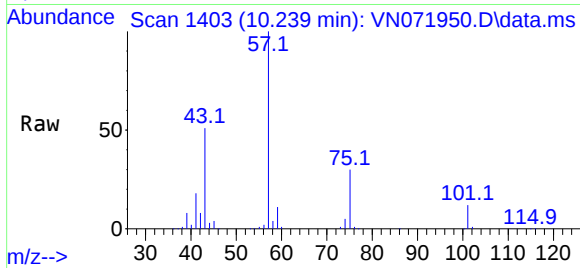




#54
cis-1,3-Dichloropropene
Concen: 10.182 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

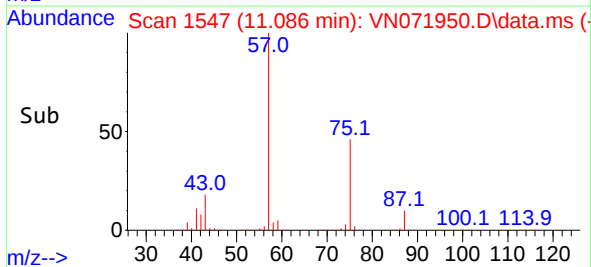
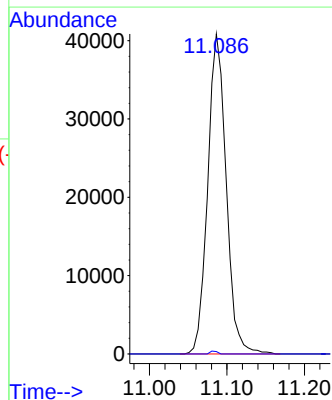
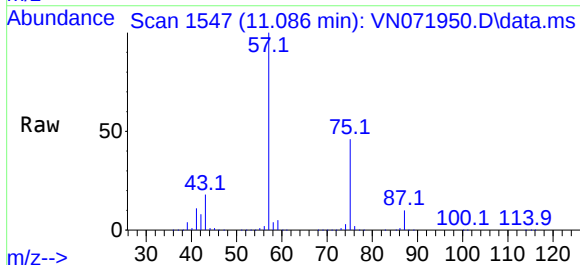
Instrument :
MSVOA_N
ClientSampleId :

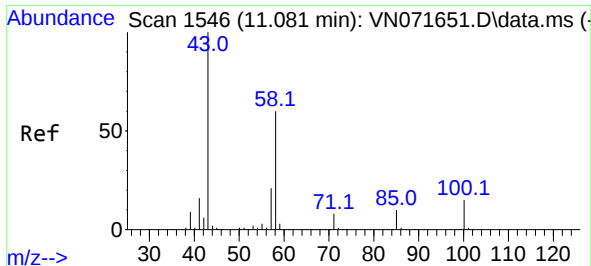
Tgt Ion: 75 Resp: 111127
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 24.9 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.508 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion: 76 Resp: 67628
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

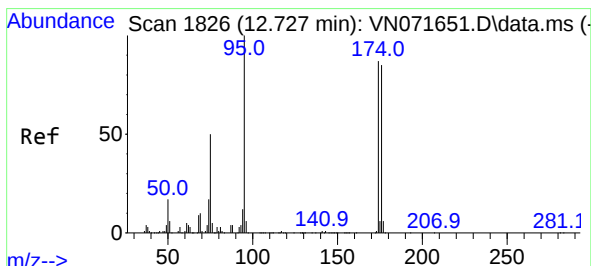
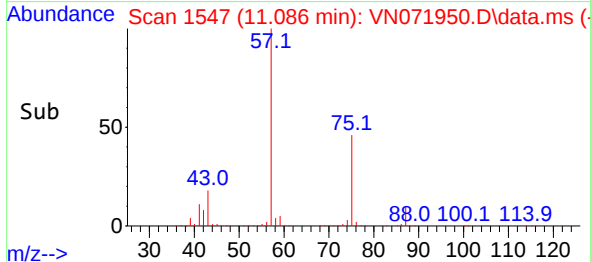
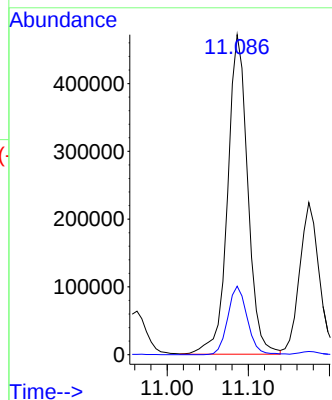
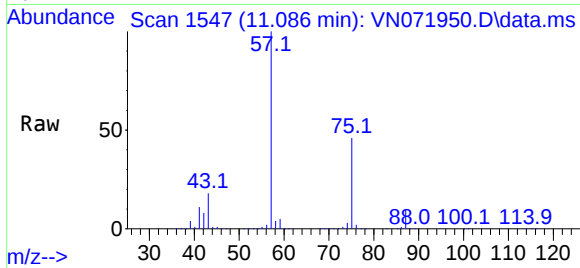




#59
2-Hexanone
Concen: 123.408 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

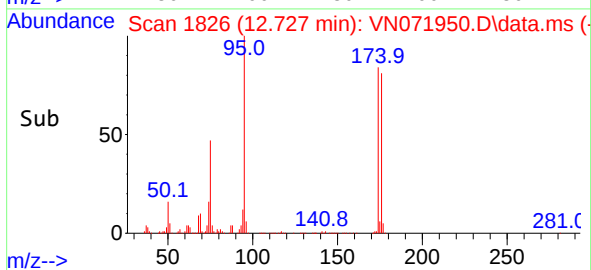
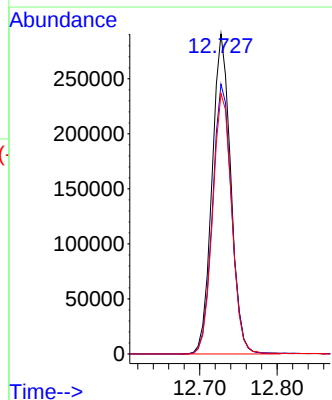
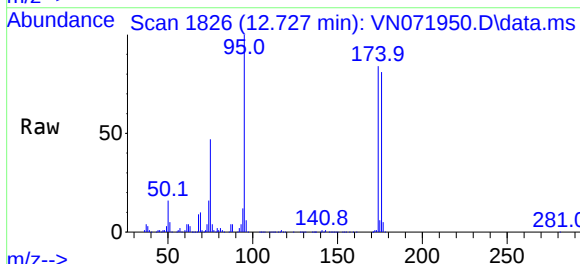
Instrument :
MSVOA_N
ClientSampleId :

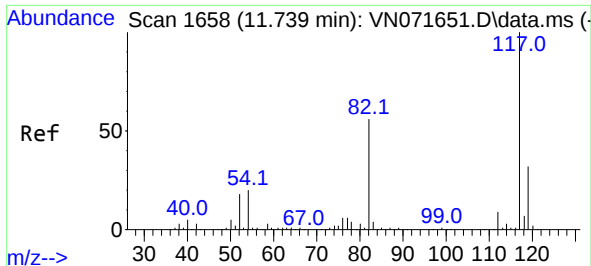
Tgt Ion: 43 Resp: 812659
Ion Ratio Lower Upper
43 100
58 20.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.512 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

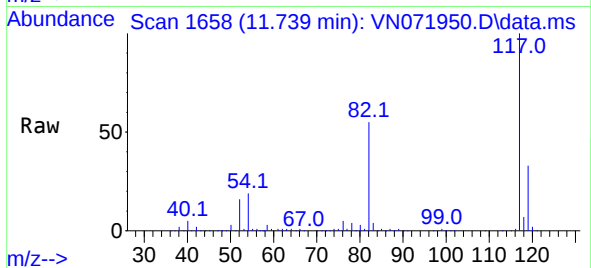
Tgt Ion: 95 Resp: 486891
Ion Ratio Lower Upper
95 100
174 86.4 0.0 167.6
176 83.2 0.0 163.4



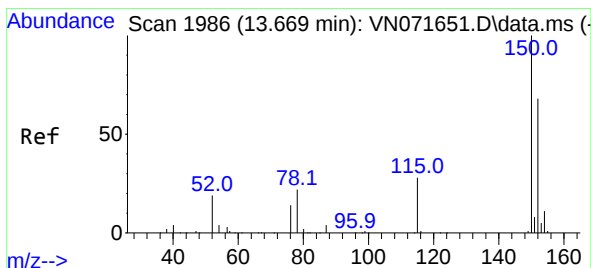
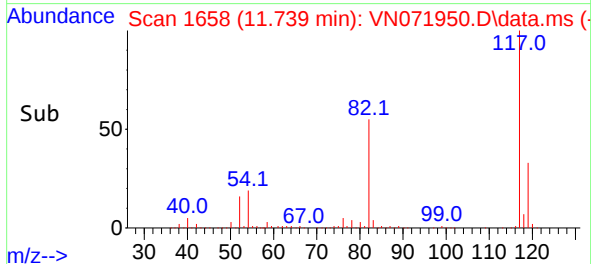
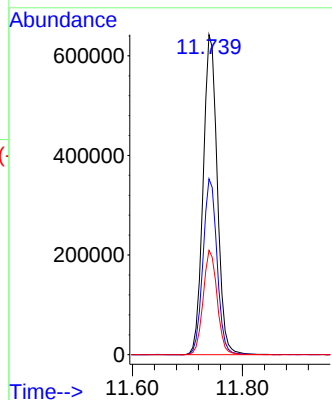


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Instrument :
MSVOA_N
ClientSampleId :

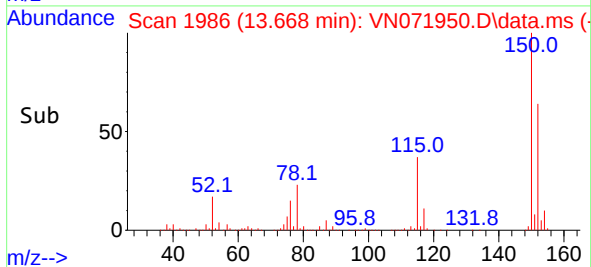
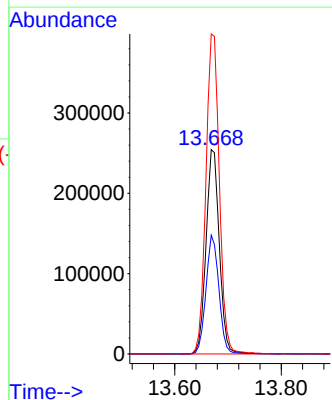
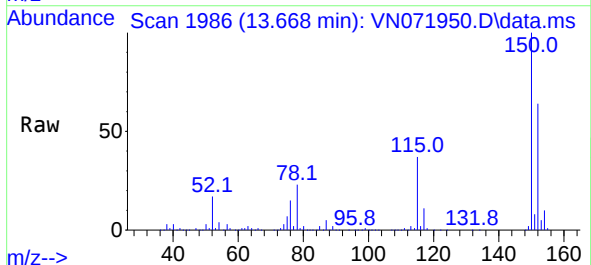


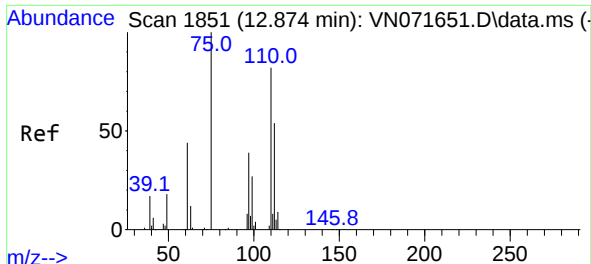
Tgt Ion:117 Resp: 1146229
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

Tgt Ion:152 Resp: 440138
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 158.3 0.0 356.2

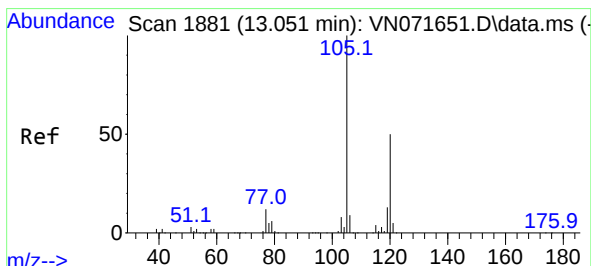
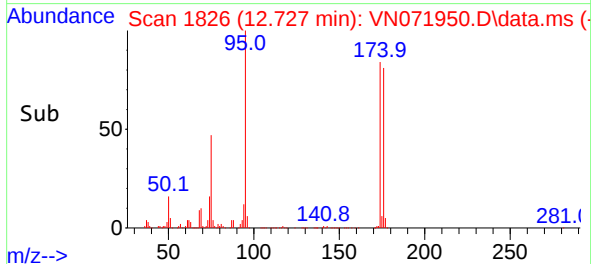
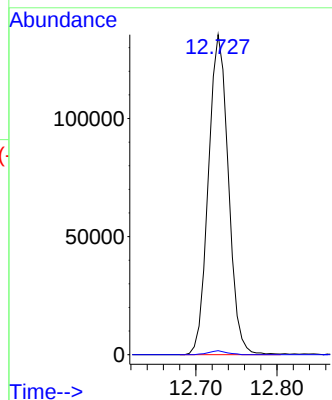
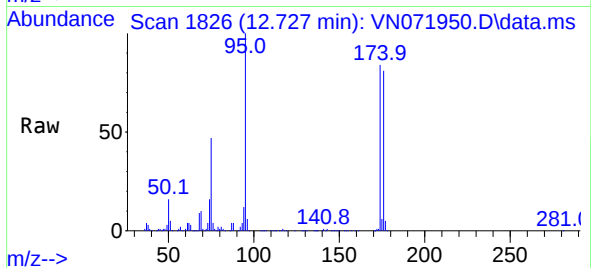




#76
1,2,3-Trichloropropane
Concen: 22.731 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

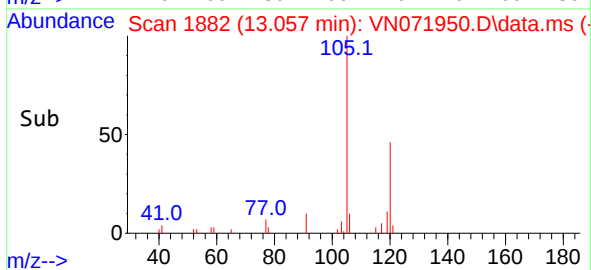
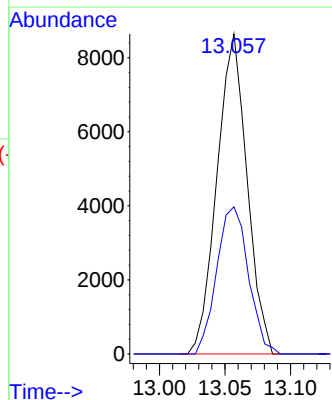
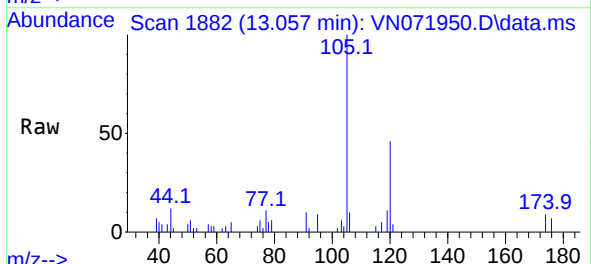
Instrument :
MSVOA_N
ClientSampleId :

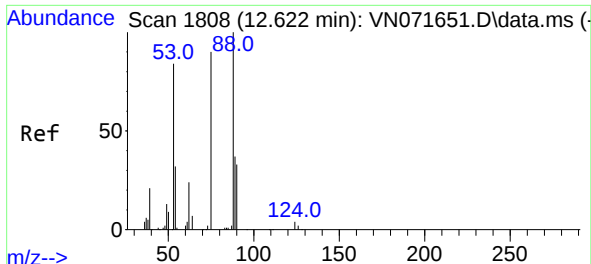
Tgt Ion: 75 Resp: 231772
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.469 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071950.D
Acq: 11 Apr 2022 20:53

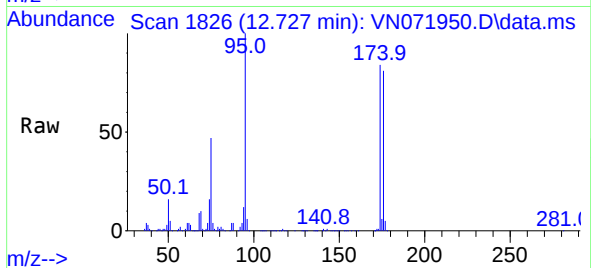
Tgt Ion: 105 Resp: 13771
Ion Ratio Lower Upper
105 100
120 48.5 24.9 74.7



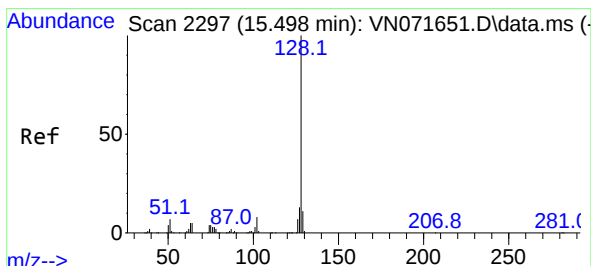
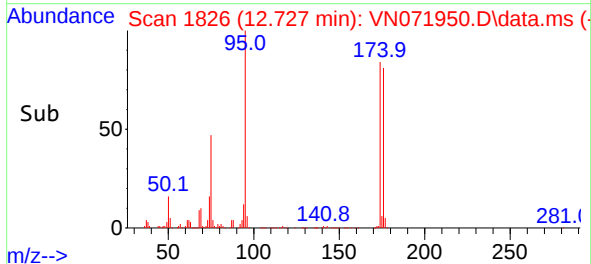
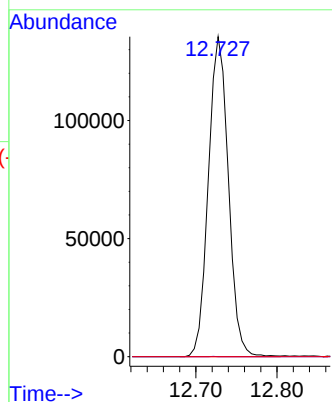


#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.444 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN071950.D
 Acq: 11 Apr 2022 20:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 231772
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#95
 Naphthalene
 Concen: 3.825 ug/l
 RT: 15.510 min Scan# 2299
 Delta R.T. 0.012 min
 Lab File: VN071950.D
 Acq: 11 Apr 2022 20:53

Tgt Ion: 128 Resp: 486
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

