

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071463.D
 Acq On : 22 Mar 2022 13:19
 Operator : JC\MD
 Sample : PB143494ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:07:34 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)

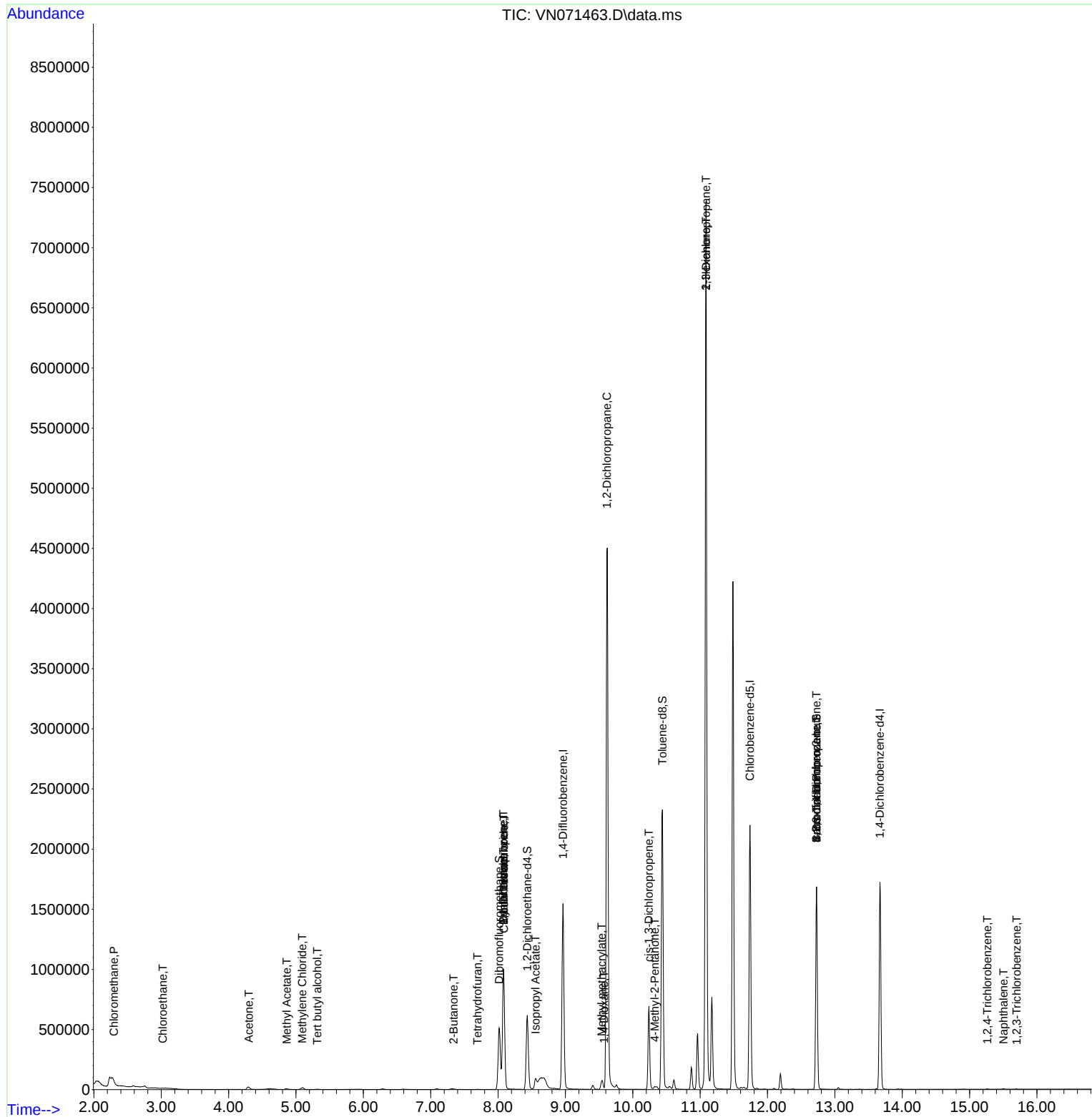
Internal Standards						
1) Pentafluorobenzene	8.081	168	758576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1298024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1256644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	473274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	509649	49.021	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.040%		
35) Dibromofluoromethane	8.016	113	381279	46.549	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.100%		
50) Toluene-d8	10.439	98	1631884	49.482	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.960%		
62) 4-Bromofluorobenzene	12.727	95	585046	52.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.780%		
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	5849	0.490	ug/l #	76
5) Bromomethane	2.869	94	1058	Below Cal	#	80
6) Chloroethane	3.022	64	1325	0.215	ug/l #	51
11) Tert butyl alcohol	5.316	59	3051	1.494	ug/l #	71
16) Acetone	4.298	43	39747	7.857	ug/l	98
18) Methyl Acetate	4.863	43	15846	1.625	ug/l #	85
20) Methylene Chloride	5.093	84	11522	1.619	ug/l #	88
25) 2-Butanone	7.339	43	7517	0.922	ug/l #	85
29) Tetrahydrofuran	7.692	42	1793	0.318	ug/l #	55
31) Cyclohexane	8.081	56	16557	0.997	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	60268	4.592	ug/l #	49
38) Carbon Tetrachloride	8.086	117	73053	5.755	ug/l #	17
43) Isopropyl Acetate	8.557	43	109007	4.036	ug/l #	82
45) 1,2-Dichloropropane	9.616	63	5384	0.507	ug/l #	44
48) Methyl methacrylate	9.539	41	22358	1.786	ug/l #	8
49) 1,4-Dioxane	9.575	88	83	0.381	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	15658	0.934	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	119440	7.511	ug/l #	63
57) 1,3-Dichloropropane	11.086	76	72340	4.131	ug/l #	43
59) 2-Hexanone	11.086	43	1168396	102.159	ug/l #	49
71) Bromoform	12.727	173	3786	0.504	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.816	83	114	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	303322	25.034	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	303322	69.281	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1539	3.176	ug/l	91
95) Naphthalene	15.504	128	4874	5.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	1661	2.943	ug/l	87

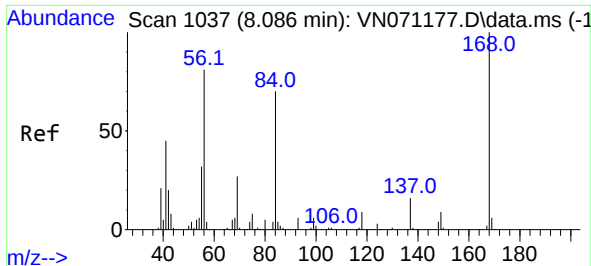
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
Data File : VN071463.D
Acq On : 22 Mar 2022 13:19
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

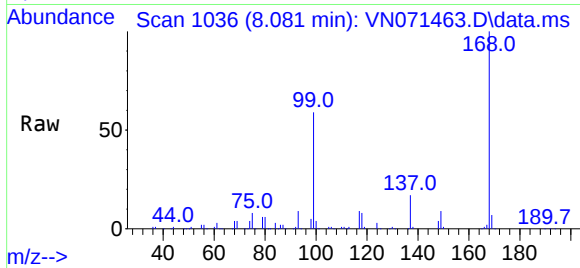
Quant Time: Mar 23 07:07:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration



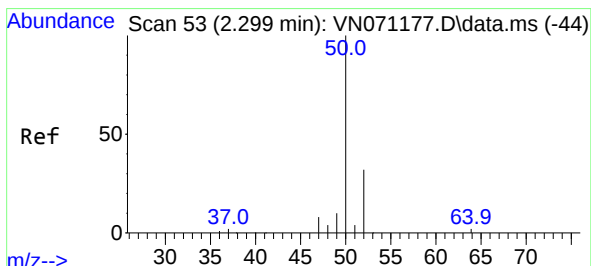
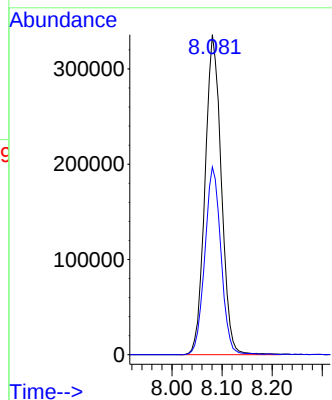
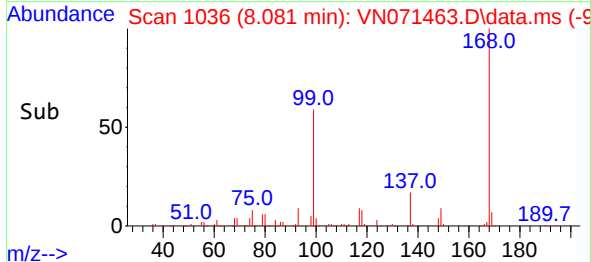


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Instrument :
MSVOA_N
ClientSampleId :

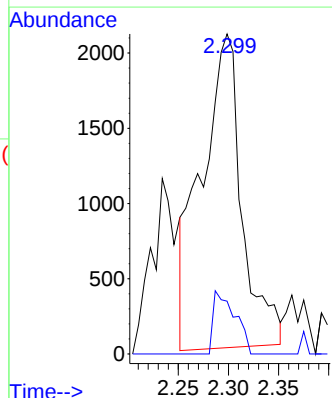
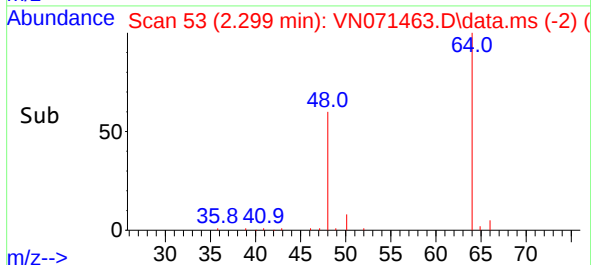
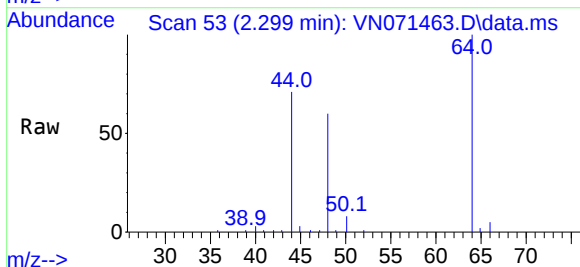


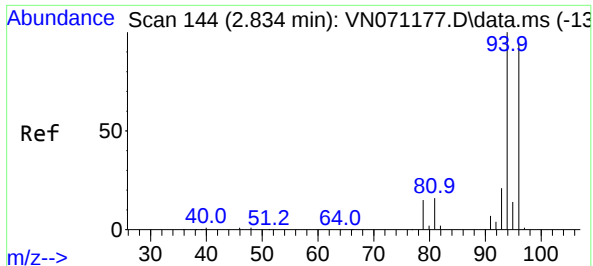
Tgt Ion:168 Resp: 758576
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.490 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Tgt Ion: 50 Resp: 5849
Ion Ratio Lower Upper
50 100
52 18.3 25.4 38.0#

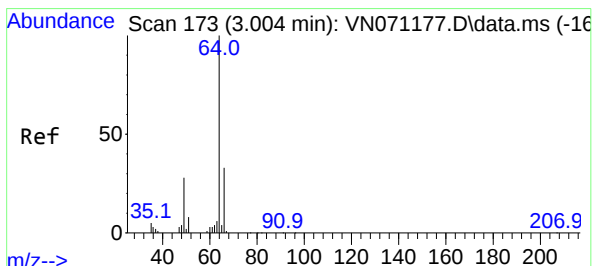
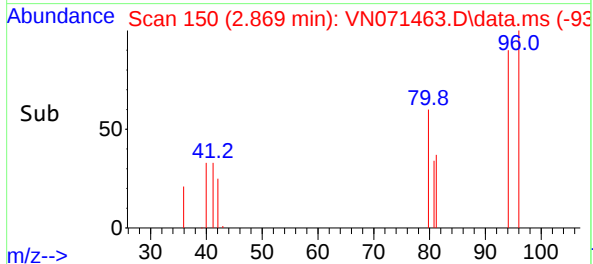
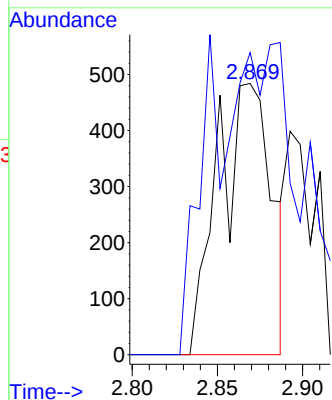
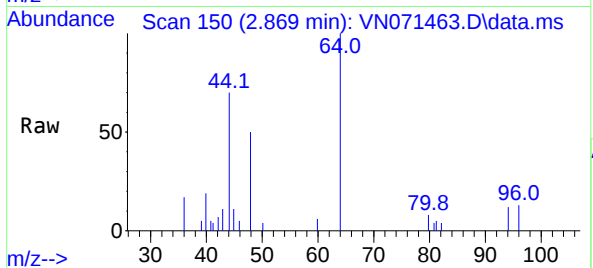




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

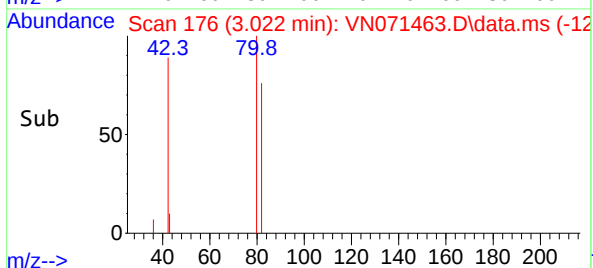
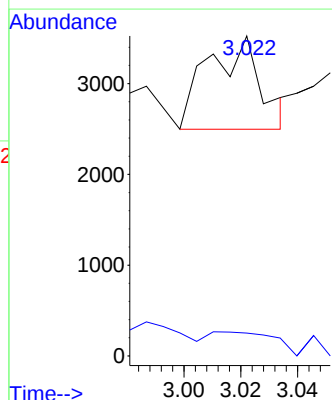
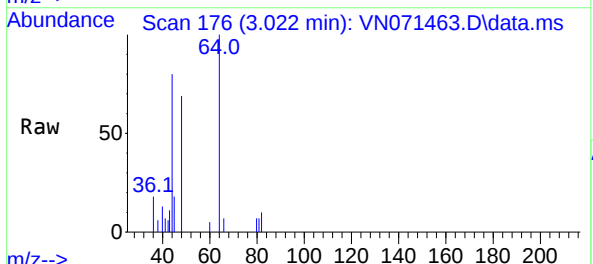
Instrument :
MSVOA_N
ClientSampleId :

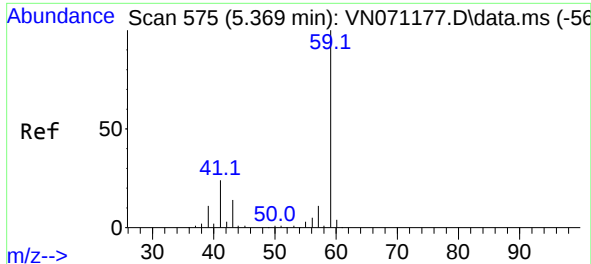
Tgt Ion: 94 Resp: 1058
Ion Ratio Lower Upper
94 100
96 111.4 73.8 110.8#



#6
Chloroethane
Concen: 0.215 ug/l
RT: 3.022 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

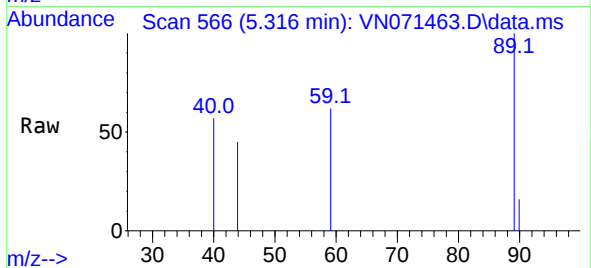
Tgt Ion: 64 Resp: 1325
Ion Ratio Lower Upper
64 100
66 5.4 26.3 39.5#



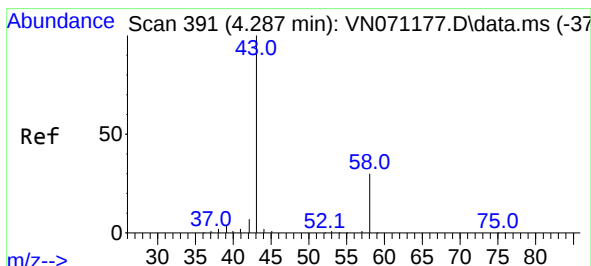
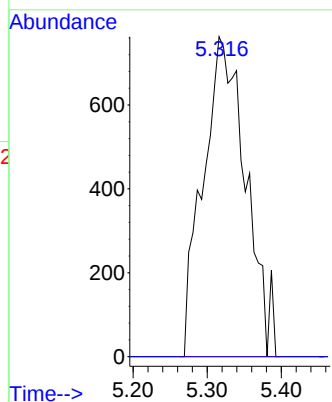
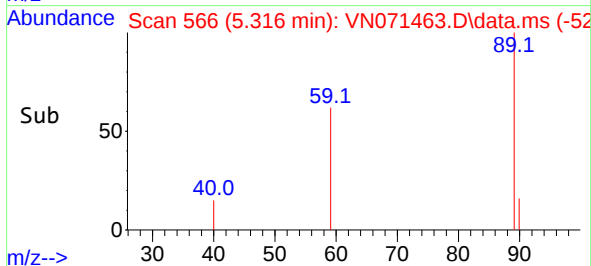


#11
Tert butyl alcohol
Concen: 1.494 ug/l
RT: 5.316 min Scan# 50
Delta R.T. -0.053 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

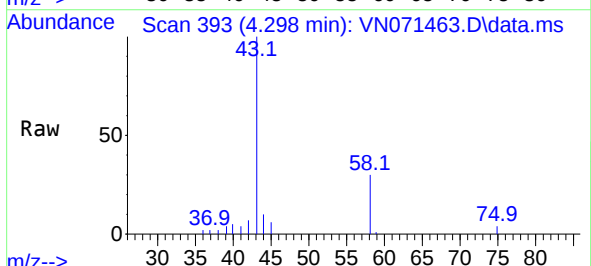
Instrument :
MSVOA_N
ClientSampleId :



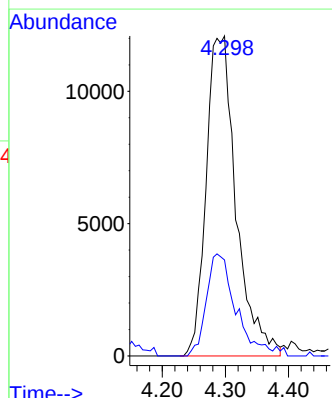
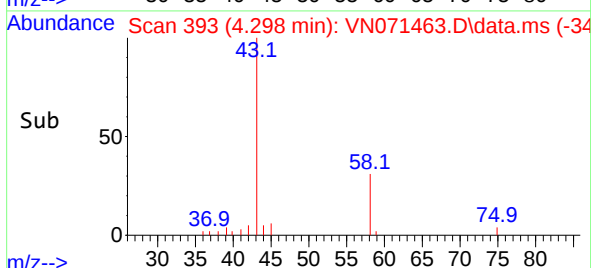
Tgt Ion: 59 Resp: 3051
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

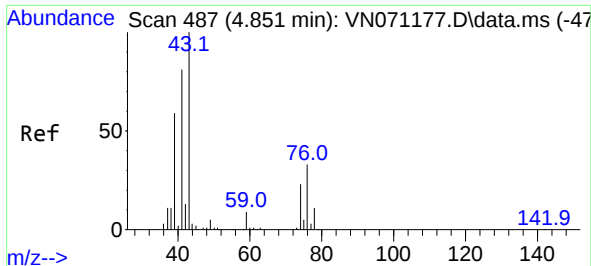


#16
Acetone
Concen: 7.857 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19



Tgt Ion: 43 Resp: 39747
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7

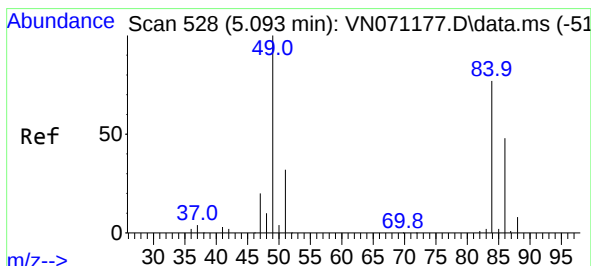
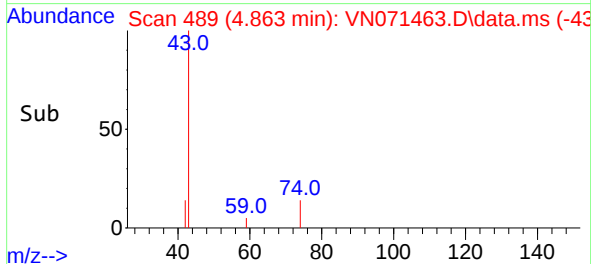
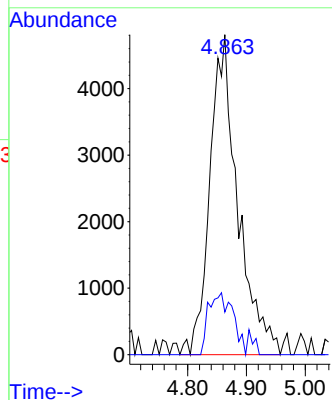
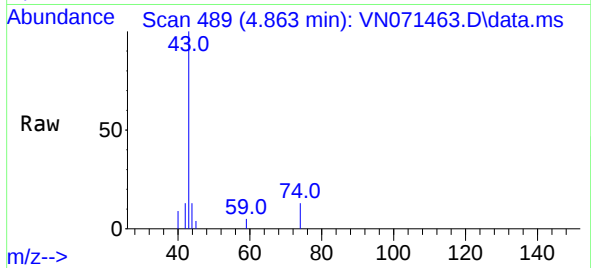




#18
Methyl Acetate
Concen: 1.625 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

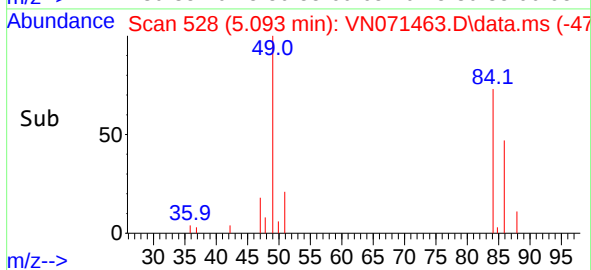
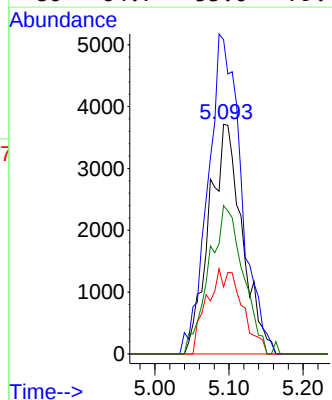
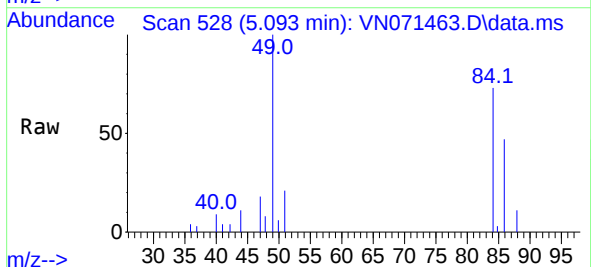
Instrument :
MSVOA_N
ClientSampleId :

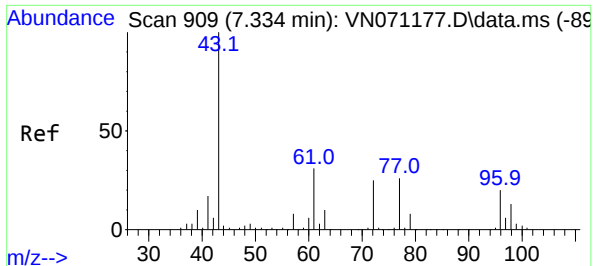
Tgt Ion: 43 Resp: 15846
Ion Ratio Lower Upper
43 100
74 16.9 19.4 29.2#



#20
Methylene Chloride
Concen: 1.619 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Tgt Ion: 84 Resp: 11522
Ion Ratio Lower Upper
84 100
49 136.8 93.5 140.3
51 29.2 29.4 44.2#
86 64.7 53.0 79.4





#25

2-Butanone

Concen: 0.922 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

Instrument :

MSVOA_N

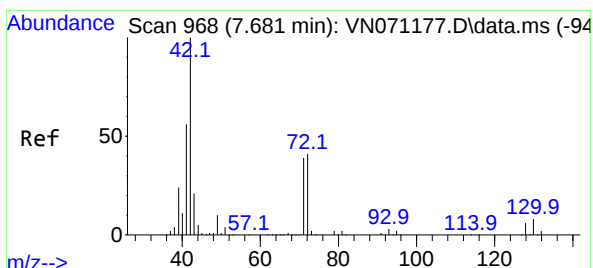
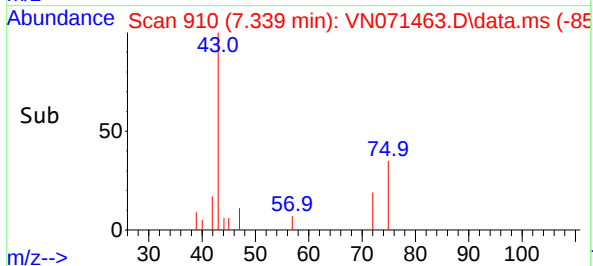
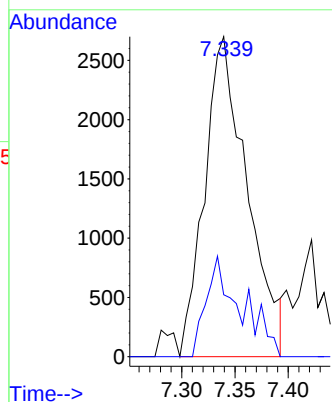
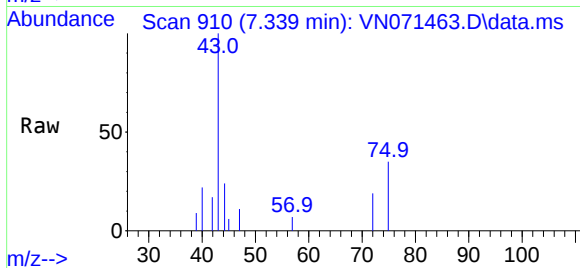
ClientSampleId :

Tgt Ion: 43 Resp: 7517

Ion Ratio Lower Upper

43 100

72 19.3 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.318 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.012 min

Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

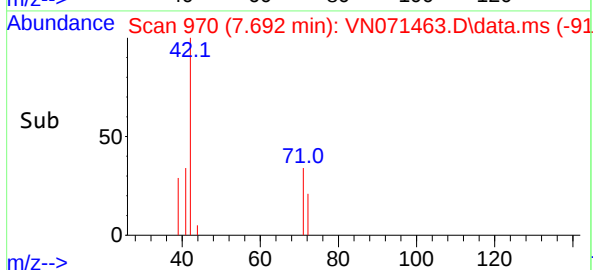
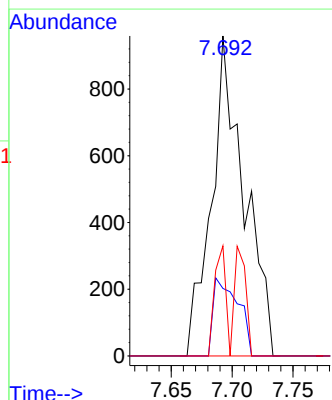
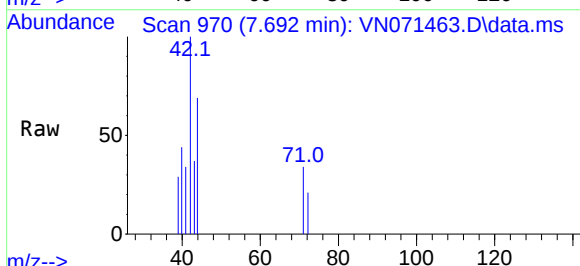
Tgt Ion: 42 Resp: 1793

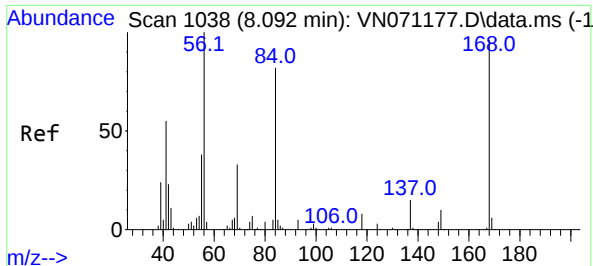
Ion Ratio Lower Upper

42 100

72 18.4 36.3 54.5#

71 11.5 34.7 52.1#





#31

Cyclohexane

Concen: 0.997 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

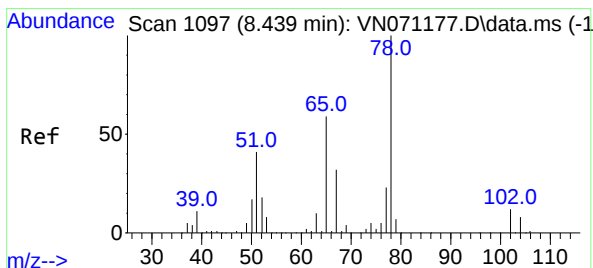
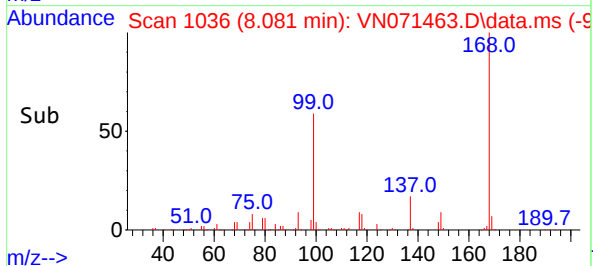
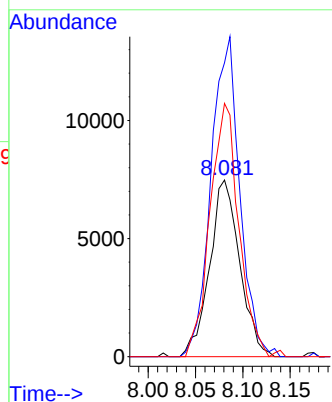
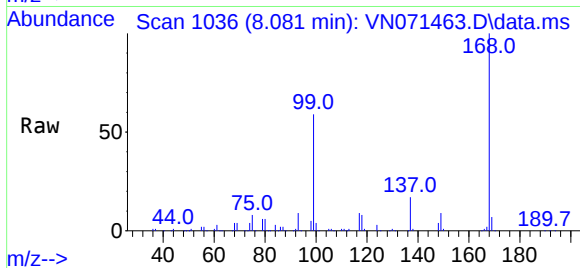
Tgt Ion: 56 Resp: 16557

Ion Ratio Lower Upper

56 100

69 166.4 27.1 40.7#

84 143.4 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 49.021 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071463.D

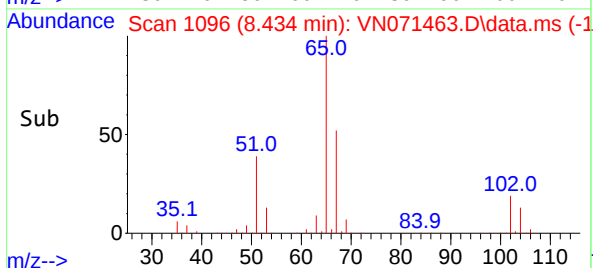
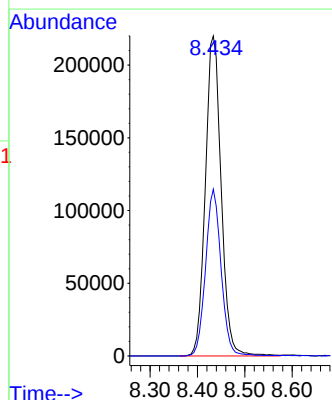
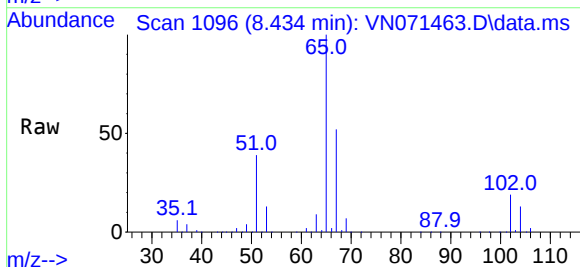
Acq: 22 Mar 2022 13:19

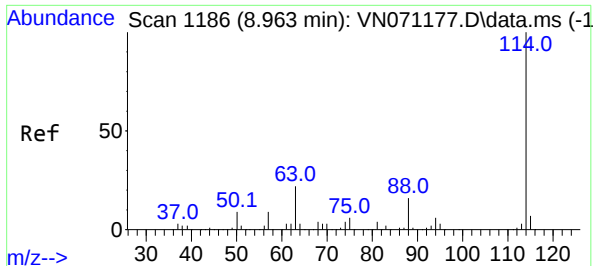
Tgt Ion: 65 Resp: 509649

Ion Ratio Lower Upper

65 100

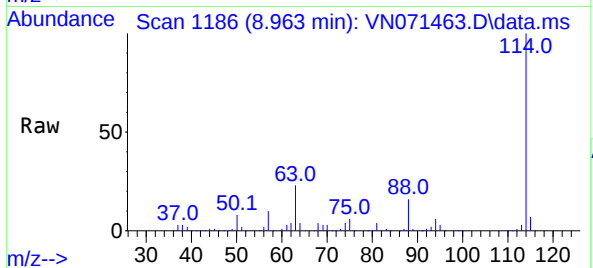
67 51.1 0.0 103.0



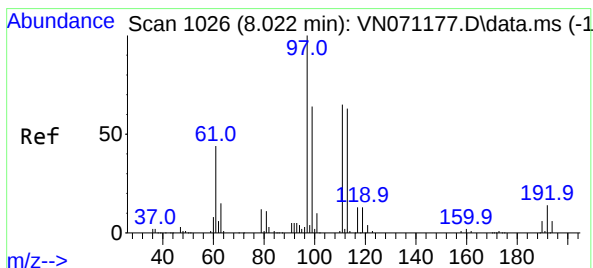
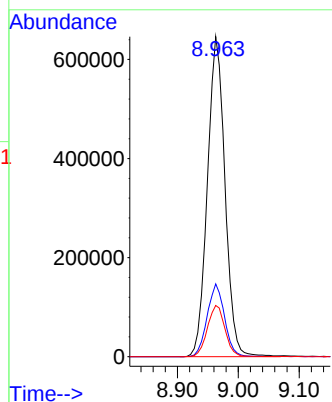
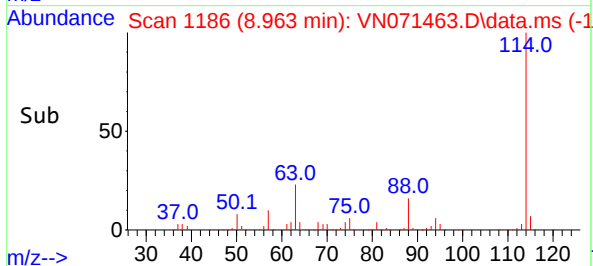


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Instrument :
MSVOA_N
ClientSampleId :

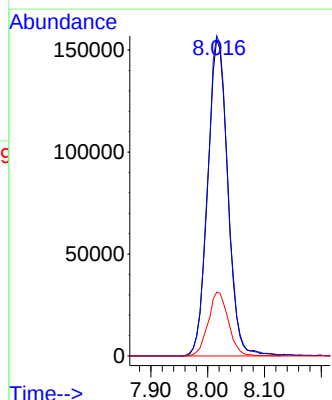
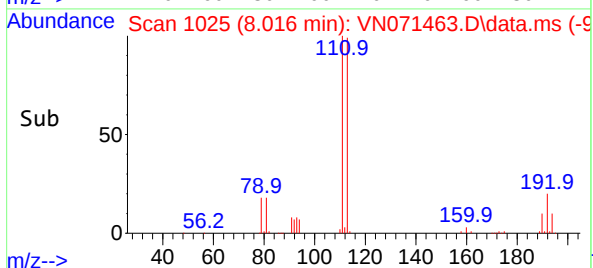
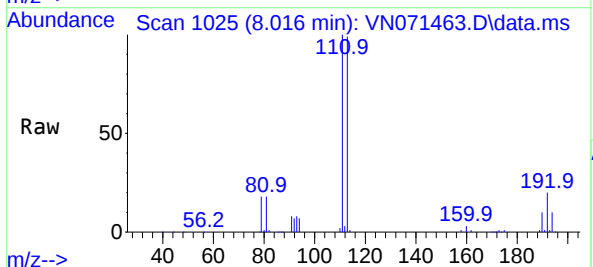


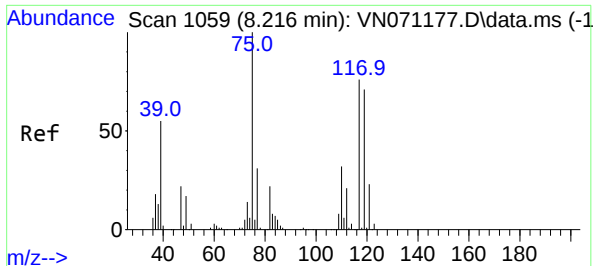
Tgt Ion:114 Resp: 1298024
Ion Ratio Lower Upper
114 100
63 22.7 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.549 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Tgt Ion:113 Resp: 381279
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

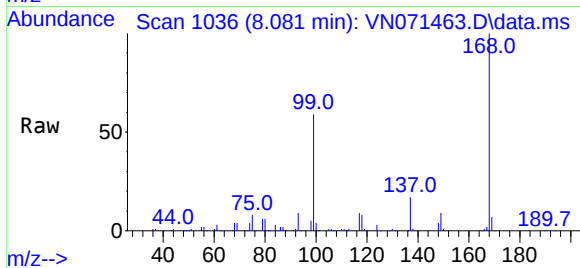
Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :



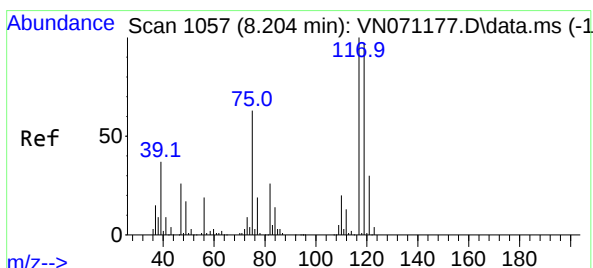
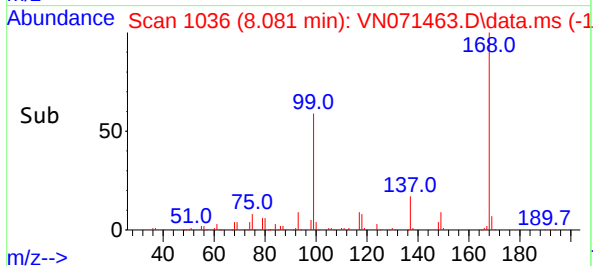
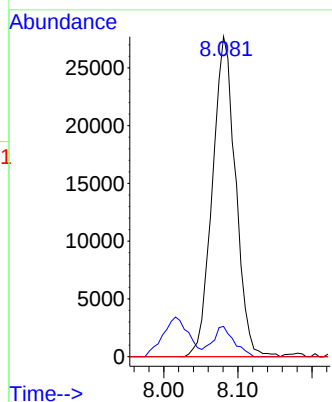
Tgt Ion: 75 Resp: 60268

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.755 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

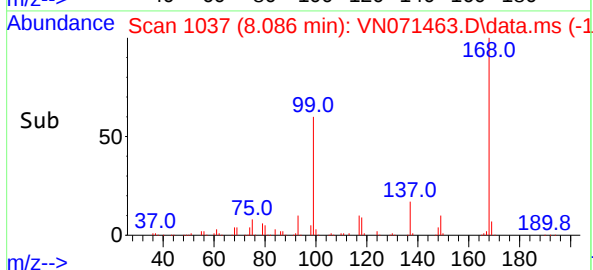
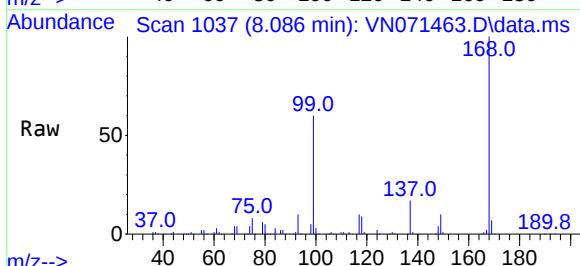
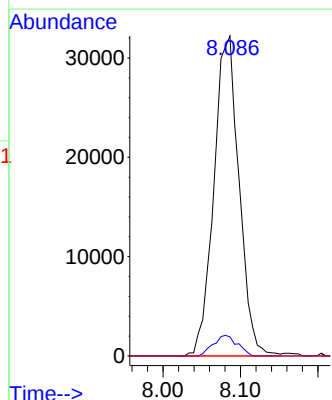
Tgt Ion: 117 Resp: 73053

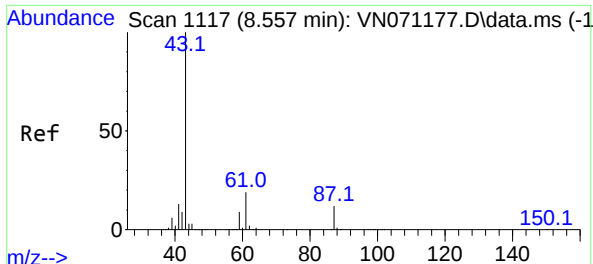
Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

121 0.0 24.2 36.2#

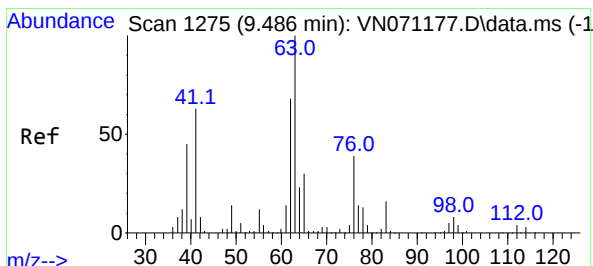
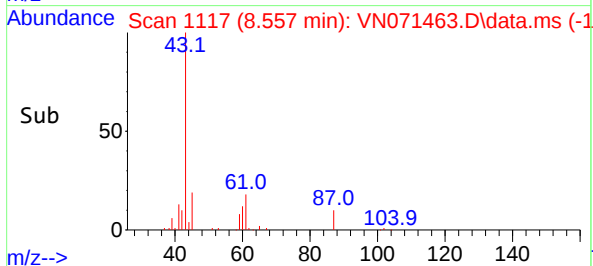
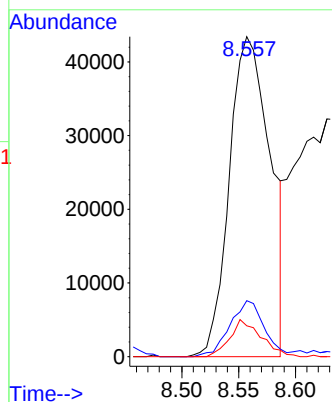
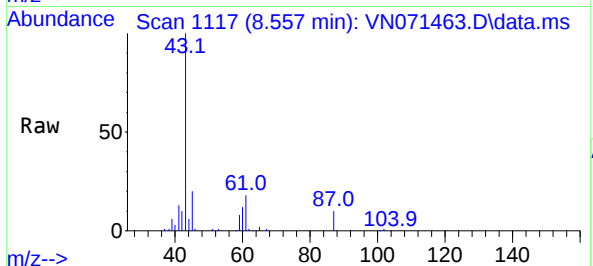




#43
Isopropyl Acetate
Concen: 4.036 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

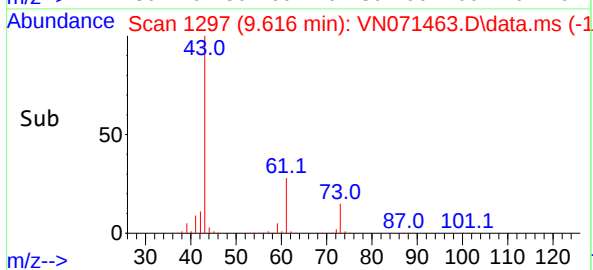
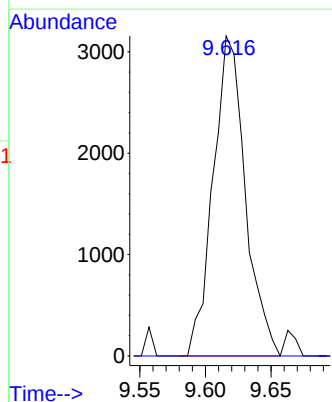
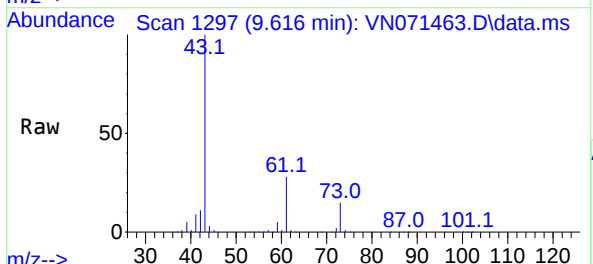
Instrument :
MSVOA_N
ClientSampleId :

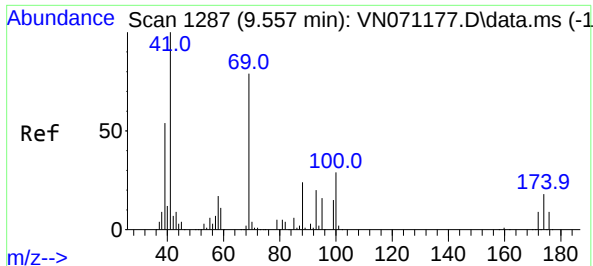
Tgt Ion: 43 Resp: 109007
Ion Ratio Lower Upper
43 100
61 14.8 20.4 30.6#
87 8.8 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.507 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Tgt Ion: 63 Resp: 5384
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

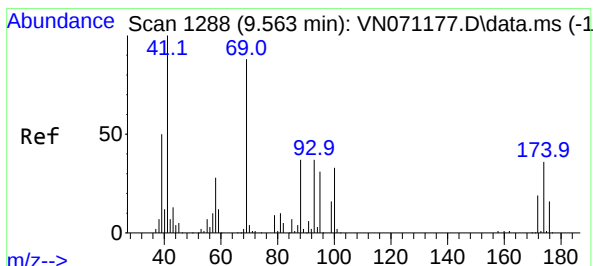
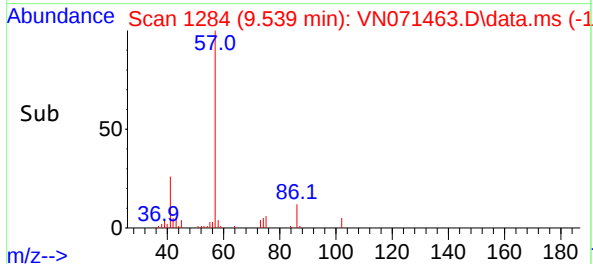
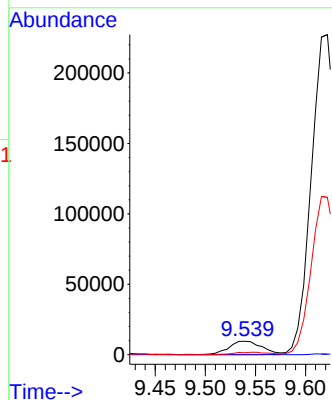
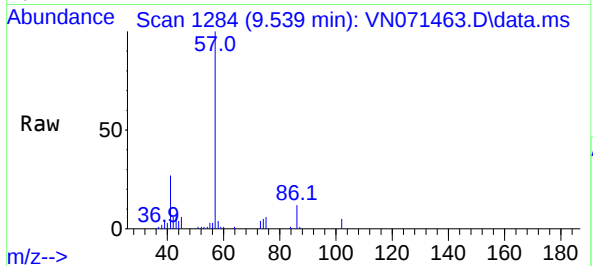




#48
Methyl methacrylate
Concen: 1.786 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

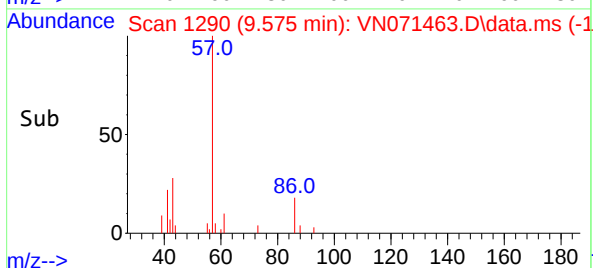
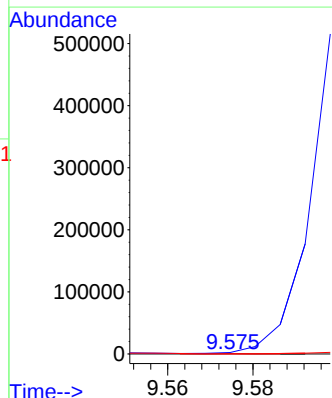
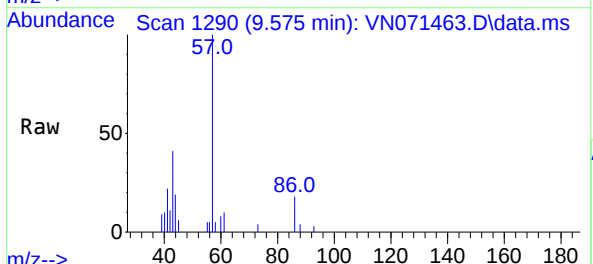
Instrument :
MSVOA_N
ClientSampleId :

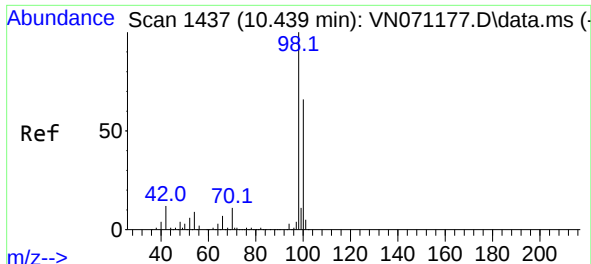
Tgt Ion: 41 Resp: 22358
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.381 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. 0.012 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

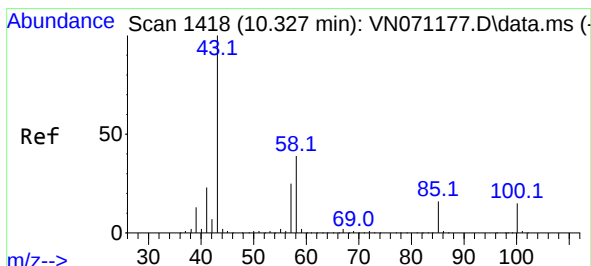
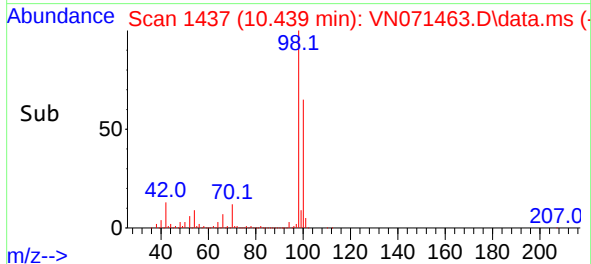
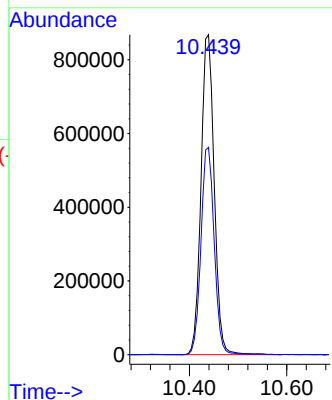
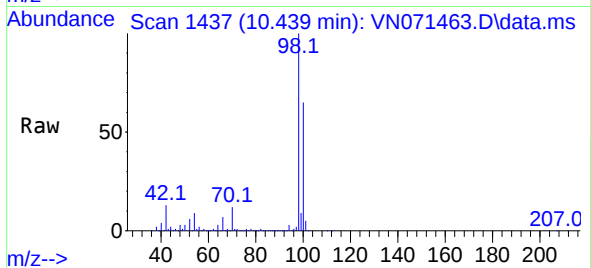




#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

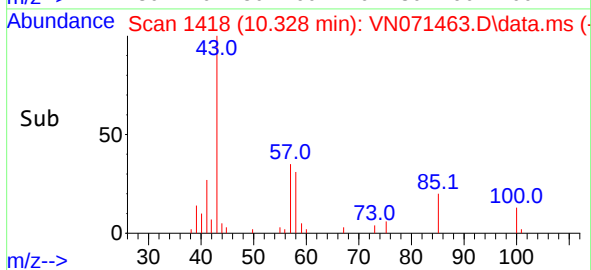
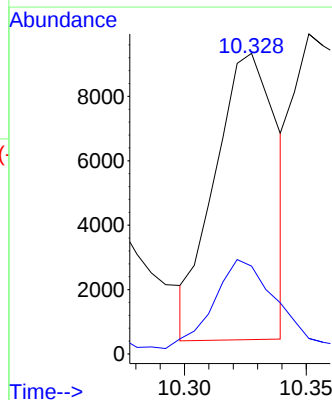
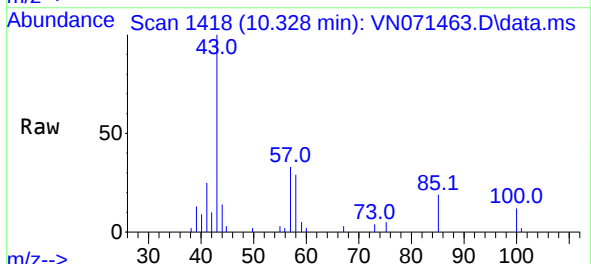
Instrument :
MSVOA_N
ClientSampleId :

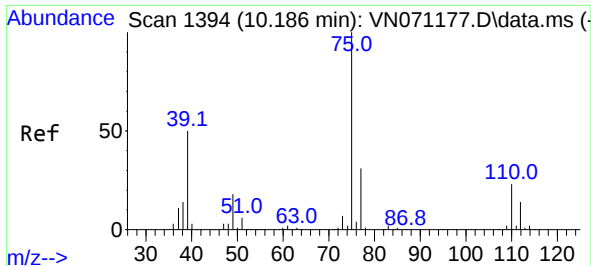
Tgt Ion: 98 Resp: 1631884
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.934 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

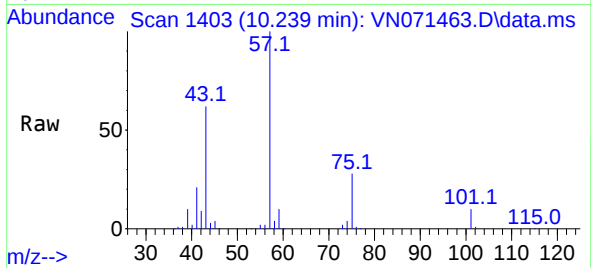
Tgt Ion: 43 Resp: 15658
Ion Ratio Lower Upper
43 100
58 36.8 30.4 45.6



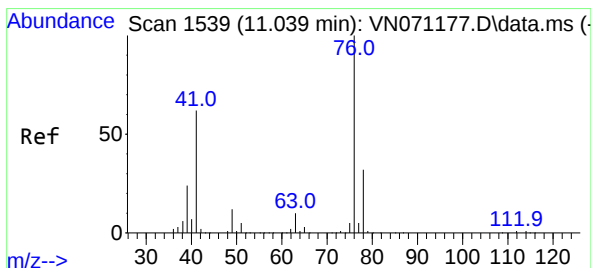
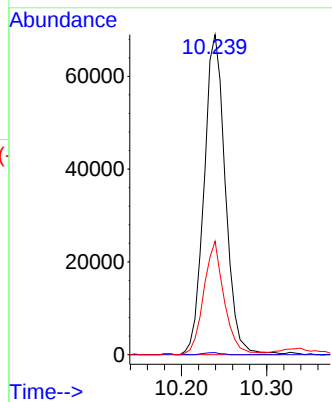
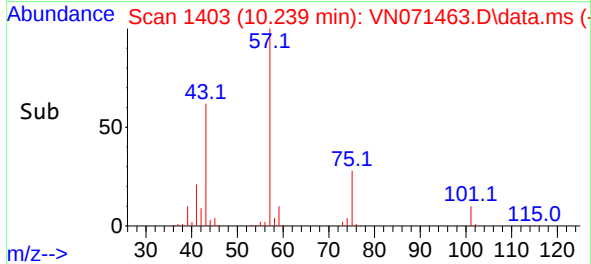


#54
 cis-1,3-Dichloropropene
 Concen: 7.511 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071463.D
 Acq: 22 Mar 2022 13:19

Instrument :
 MSVOA_N
 ClientSampleId :

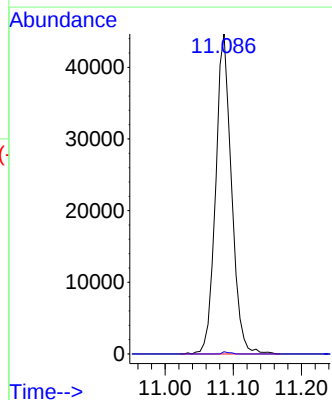
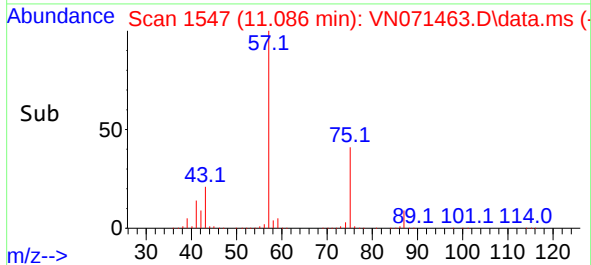
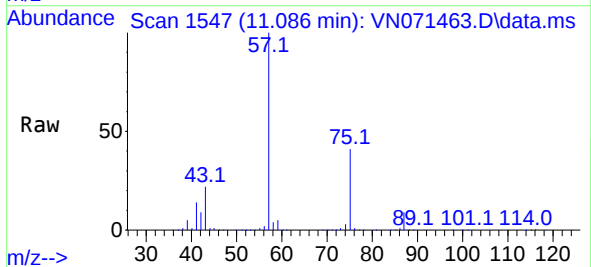


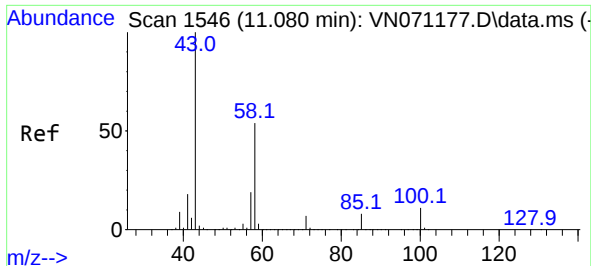
Tgt Ion: 75 Resp: 119440
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.4 39.6#
 39 35.4 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.131 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071463.D
 Acq: 22 Mar 2022 13:19

Tgt Ion: 76 Resp: 72340
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#





#59

2-Hexanone

Concen: 102.159 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

Instrument :

MSVOA_N

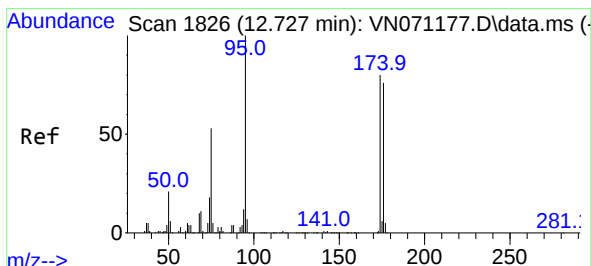
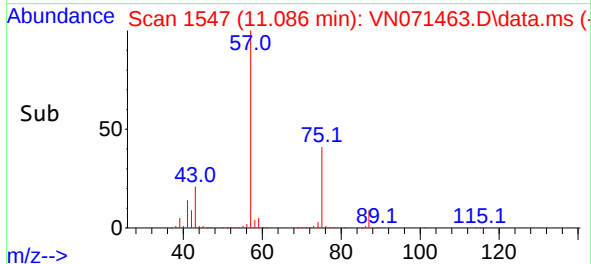
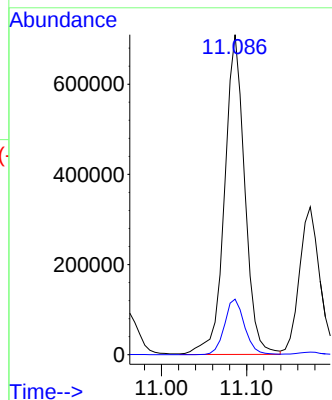
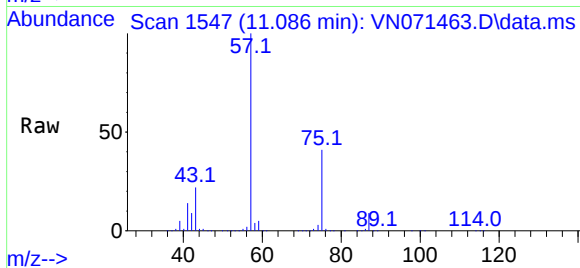
ClientSampleId :

Tgt Ion: 43 Resp: 1168396

Ion Ratio Lower Upper

43 100

58 17.3 26.9 80.7#



#62

4-Bromofluorobenzene

Concen: 52.388 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071463.D

Acq: 22 Mar 2022 13:19

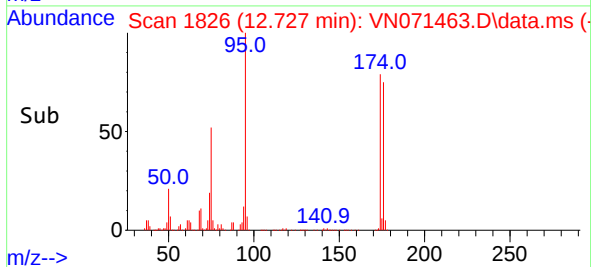
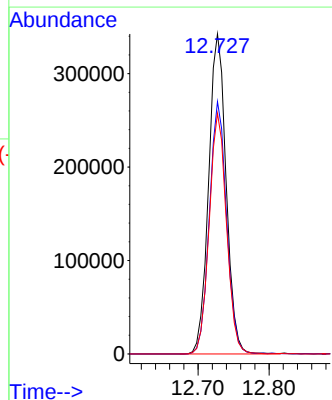
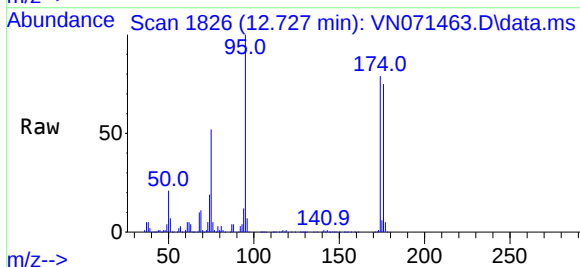
Tgt Ion: 95 Resp: 585046

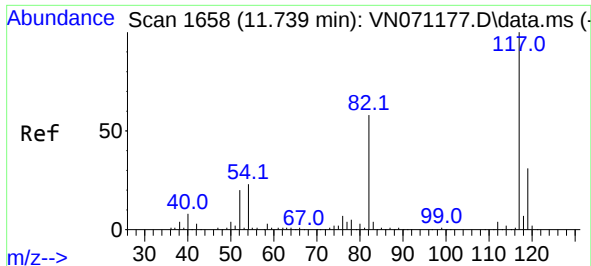
Ion Ratio Lower Upper

95 100

174 77.7 0.0 187.2

176 74.3 0.0 181.4

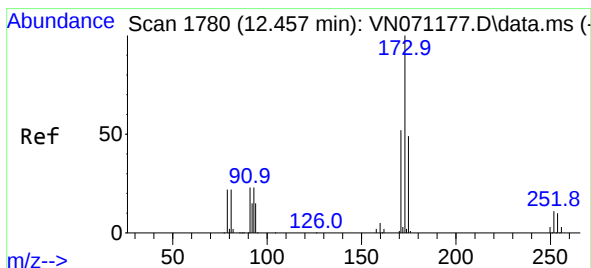
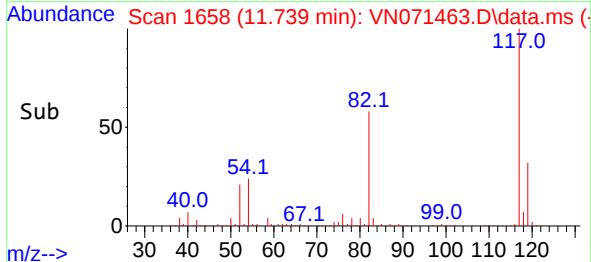
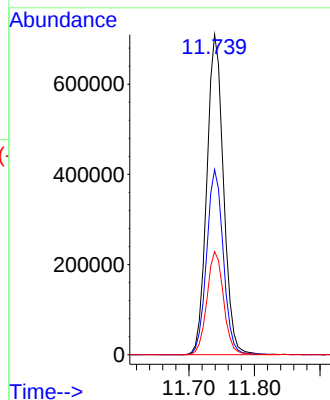
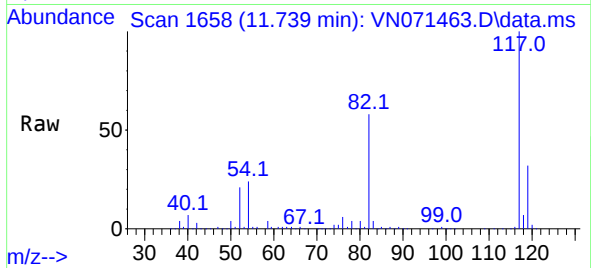




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

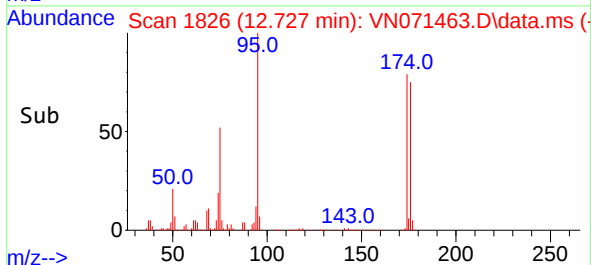
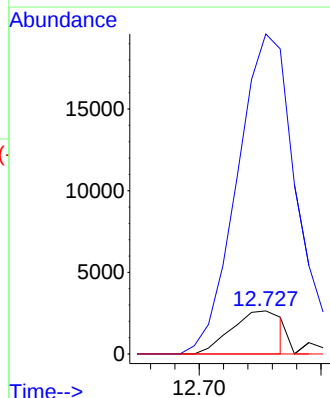
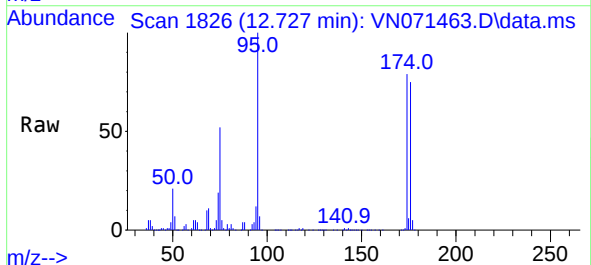
Instrument :
MSVOA_N
ClientSampleId :

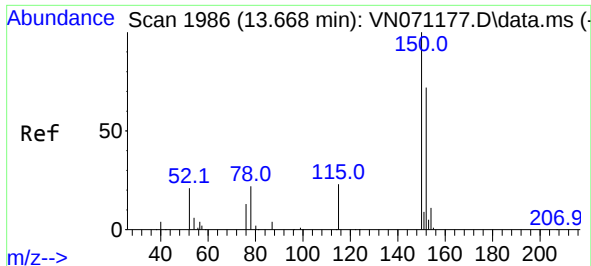
Tgt Ion:117 Resp: 1256644
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 0.504 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

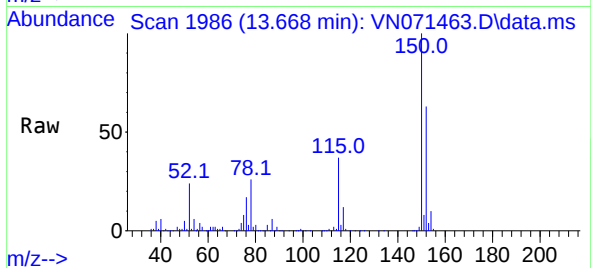
Tgt Ion:173 Resp: 3786
Ion Ratio Lower Upper
173 100
175 686.7 24.2 72.6#
254 0.0 0.0 0.0



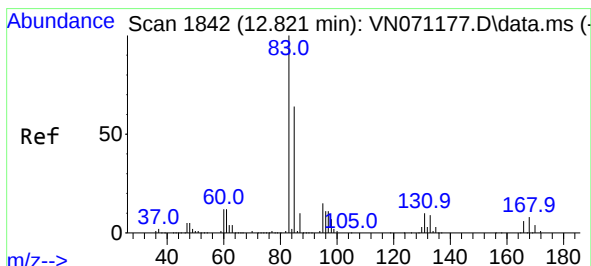
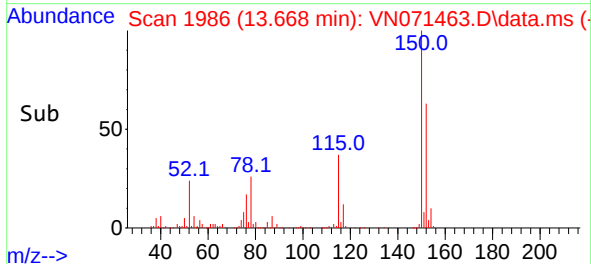
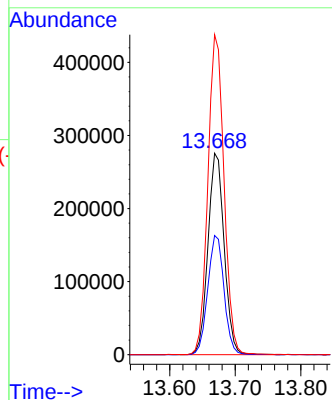


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071463.D
 Acq: 22 Mar 2022 13:19

Instrument :
 MSVOA_N
 ClientSampleId :

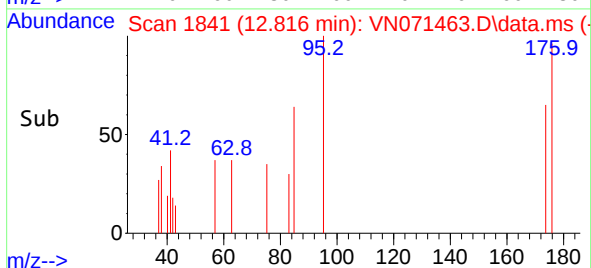
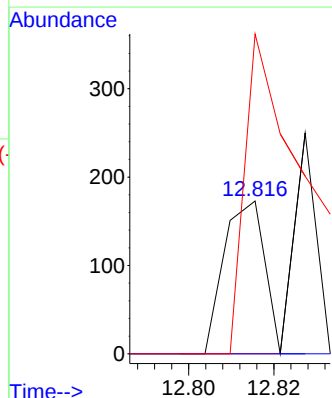
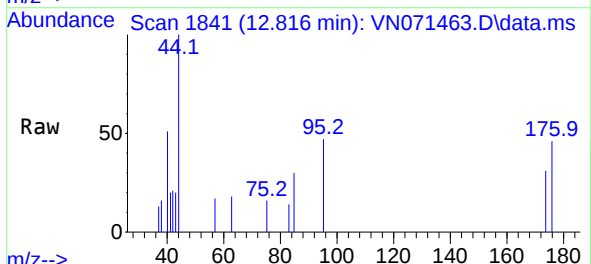


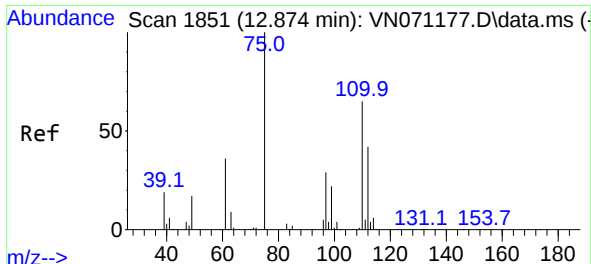
Tgt Ion:152 Resp: 473274
 Ion Ratio Lower Upper
 152 100
 115 59.5 27.5 82.5
 150 158.1 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.816 min Scan# 1841
 Delta R.T. -0.005 min
 Lab File: VN071463.D
 Acq: 22 Mar 2022 13:19

Tgt Ion: 83 Resp: 114
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 300.0 32.4 97.2#

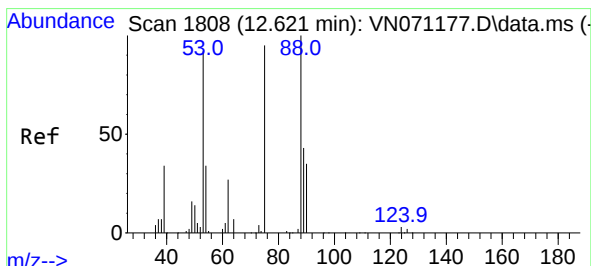
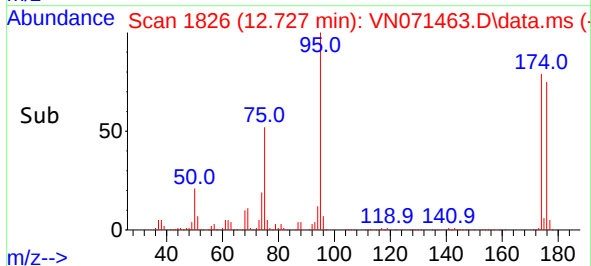
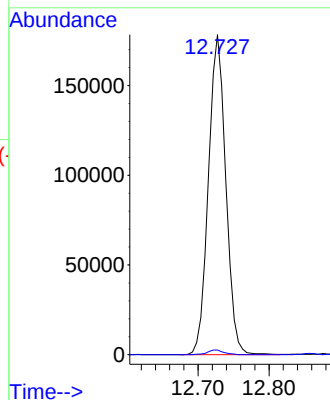
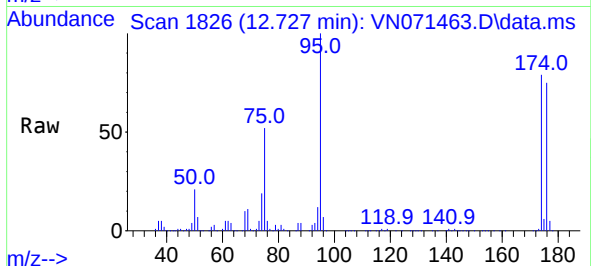




#76
1,2,3-Trichloropropane
Concen: 25.034 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

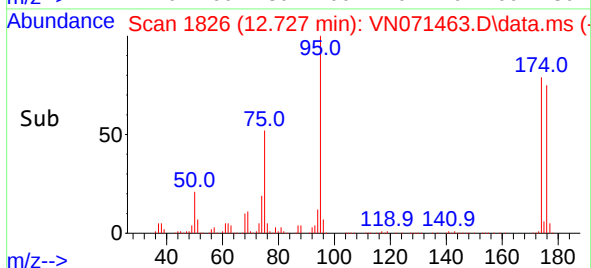
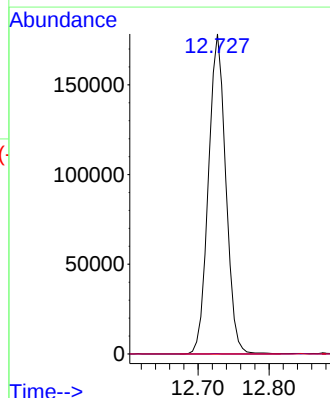
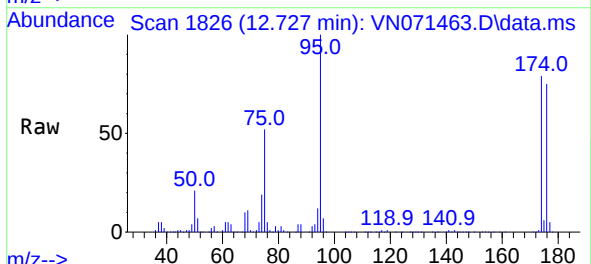
Instrument :
MSVOA_N
ClientSampleId :

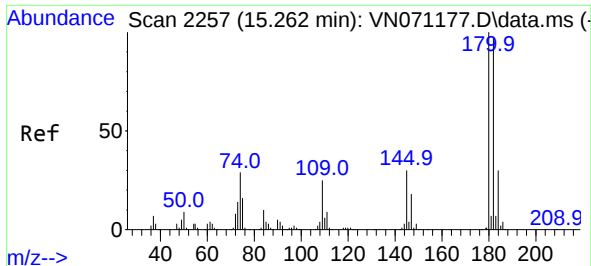
Tgt Ion: 75 Resp: 303322
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.281 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

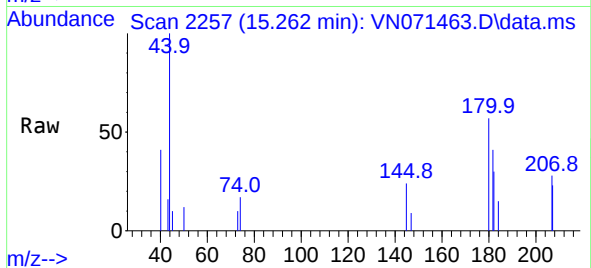
Tgt Ion: 75 Resp: 303322
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



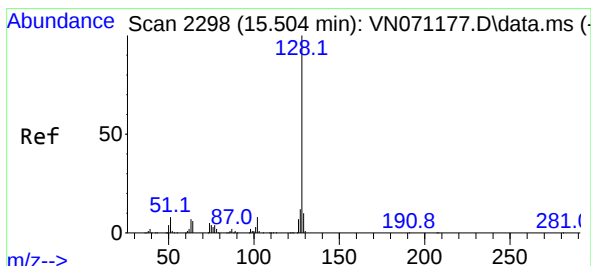
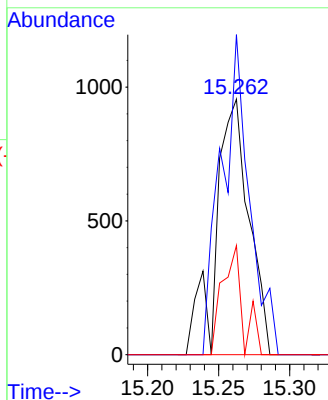
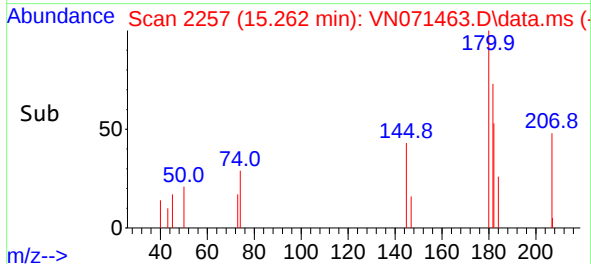


#93
1,2,4-Trichlorobenzene
Concen: 3.176 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19

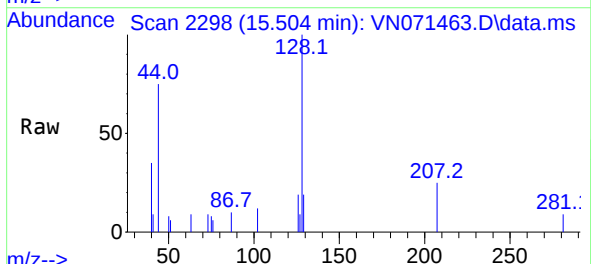
Instrument :
MSVOA_N
ClientSampleId :



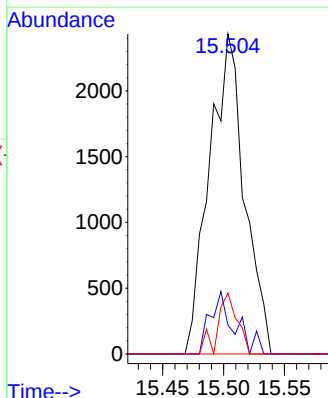
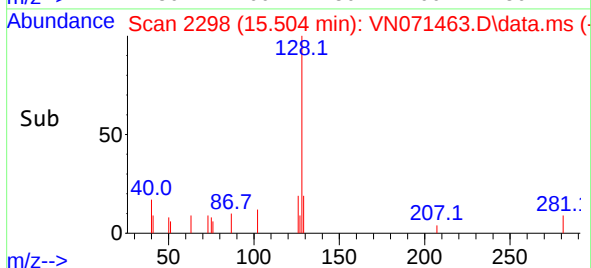
Tgt Ion:180 Resp: 1539
Ion Ratio Lower Upper
180 100
182 107.2 48.3 144.9
145 26.7 14.5 43.5

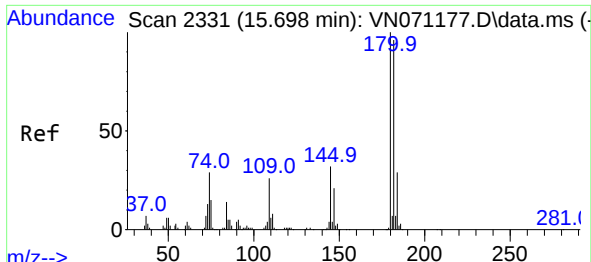


#95
Naphthalene
Concen: 5.269 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071463.D
Acq: 22 Mar 2022 13:19



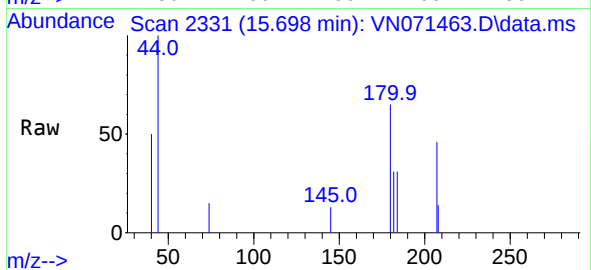
Tgt Ion:128 Resp: 4874
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.943 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071463.D
 Acq: 22 Mar 2022 13:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1661
Ion	Ratio	Lower	Upper
180	100		
182	85.3	47.4	142.2
145	17.8	15.0	45.1

