

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071945.D
 Acq On : 11 Apr 2022 18:53
 Operator : JC\MD
 Sample : PB143992ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:42:15 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)

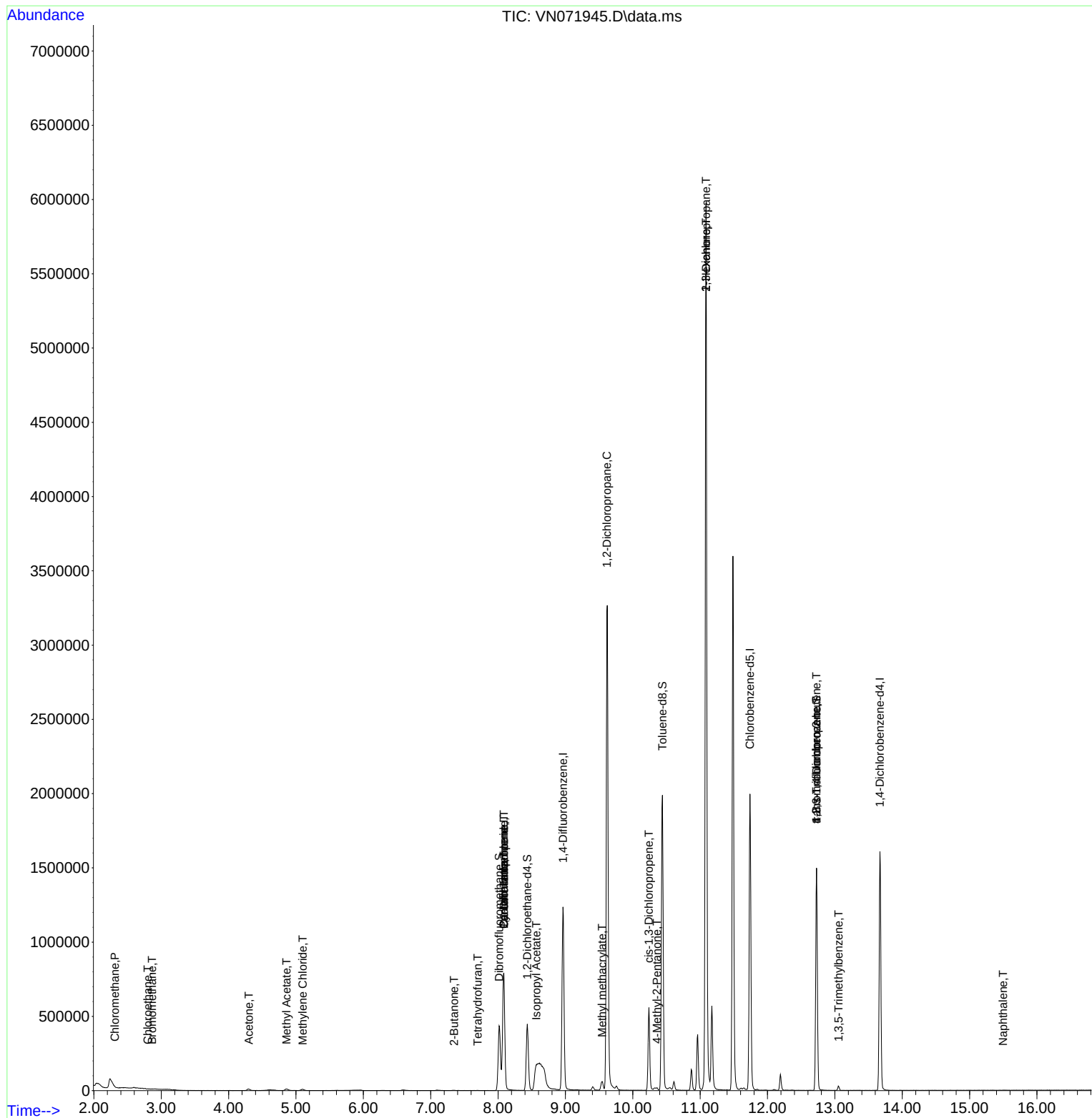
Internal Standards						
1) Pentafluorobenzene	8.086	168	674635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1164172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1248197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	488155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	366877	47.636	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.280%
35) Dibromofluoromethane	8.016	113	328132	47.899	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.800%
50) Toluene-d8	10.439	98	1482193	52.891	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.780%
62) 4-Bromofluorobenzene	12.727	95	537309	59.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	2103	0.309	ug/l	89
5) Bromomethane	2.863	94	1120	0.231	ug/l #	73
6) Chloroethane	2.799	64	4685	0.873	ug/l #	46
16) Acetone	4.298	43	17077	5.188	ug/l	99
18) Methyl Acetate	4.857	43	23119	1.364	ug/l	97
20) Methylene Chloride	5.098	84	7646	1.102	ug/l #	78
25) 2-Butanone	7.345	43	3345	0.705	ug/l	90
29) Tetrahydrofuran	7.698	42	927	0.302	ug/l #	34
31) Cyclohexane	8.086	56	10579	1.010	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	44183	4.619	ug/l #	49
38) Carbon Tetrachloride	8.086	117	58762	6.268	ug/l #	17
43) Isopropyl Acetate	8.569	43	209321	12.019	ug/l #	67
45) 1,2-Dichloropropane	9.616	63	4841	0.641	ug/l #	44
48) Methyl methacrylate	9.545	41	15625	2.162	ug/l #	11
49) 1,4-Dioxane	9.622	88	725	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.357	43	24785	2.475	ug/l #	33
54) cis-1,3-Dichloropropene	10.239	75	114533	9.802	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	68999	5.249	ug/l #	43
59) 2-Hexanone	11.086	43	818891	116.157	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	254835	22.535	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	14151	0.434	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	254835	69.835	ug/l #	10
95) Naphthalene	15.498	128	571	3.827	ug/l #	69

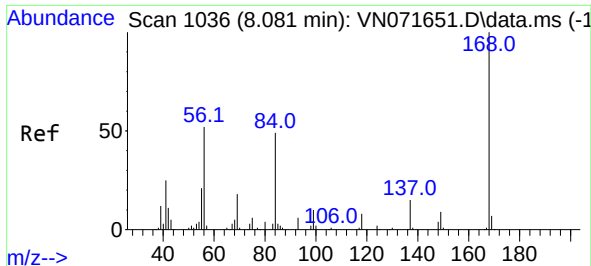
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN071945.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
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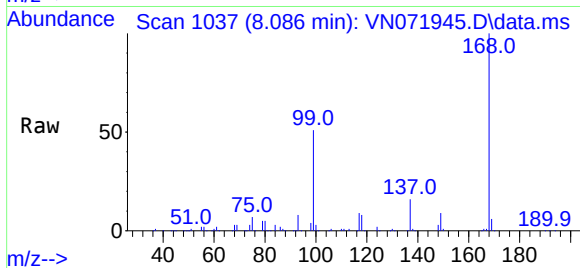
Quant Time: Apr 12 08:42:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration



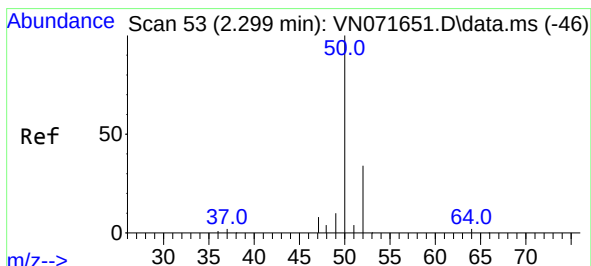
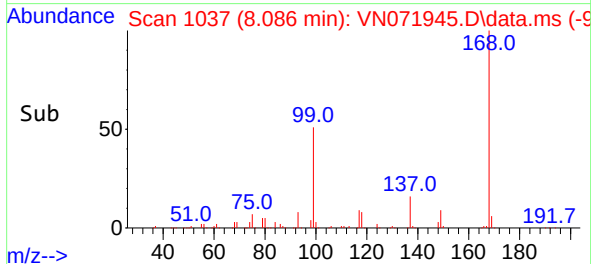
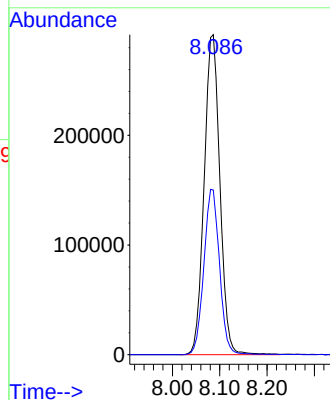


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

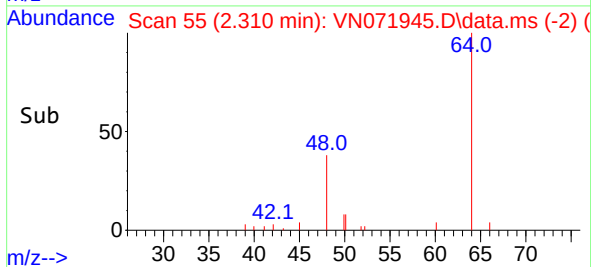
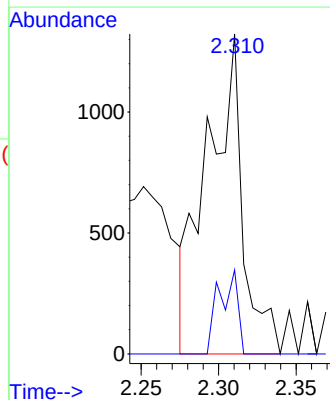
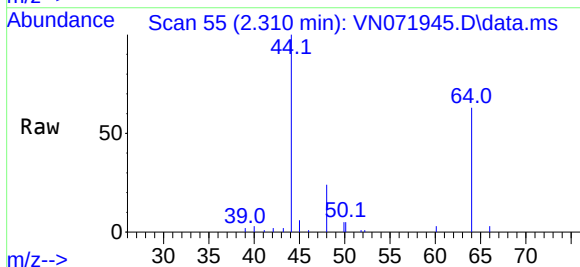


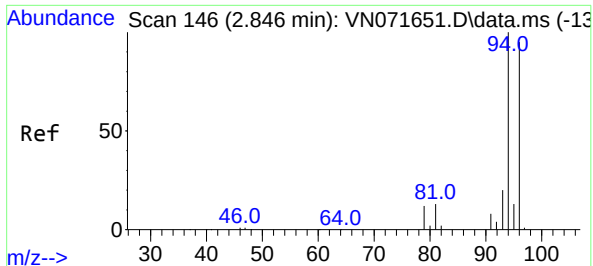
Tgt Ion:168 Resp: 674635
Ion Ratio Lower Upper
168 100
99 51.4 42.3 63.5



#3
Chloromethane
Concen: 0.309 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

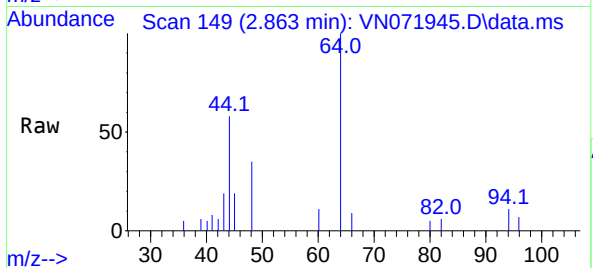
Tgt Ion: 50 Resp: 2103
Ion Ratio Lower Upper
50 100
52 26.2 25.7 38.5



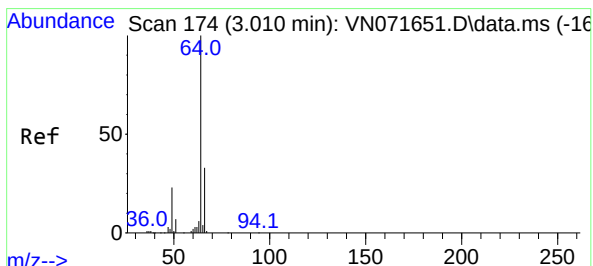
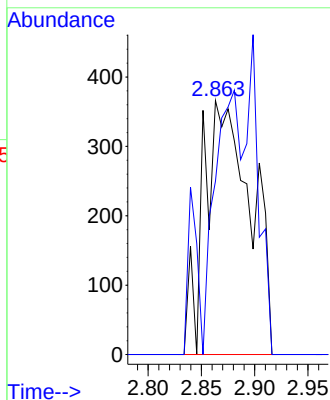
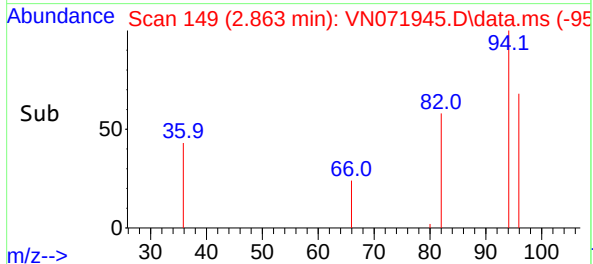


#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.863 min Scan# 146
Delta R.T. 0.017 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

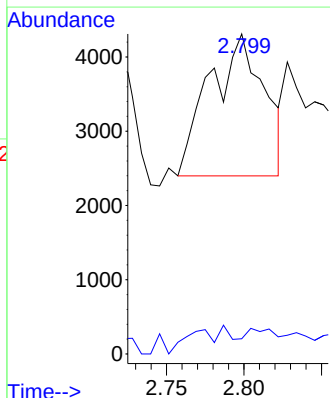
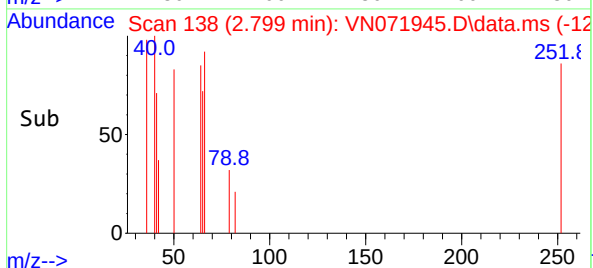
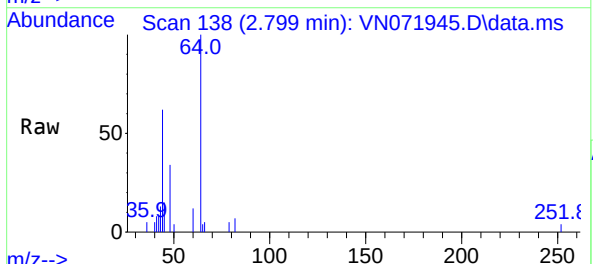


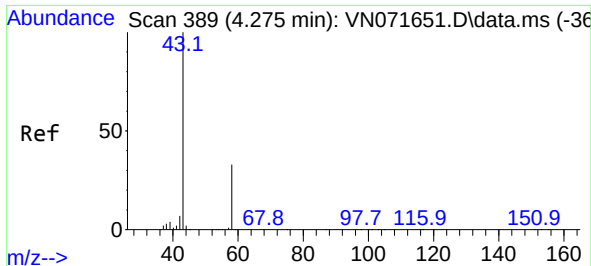
Tgt Ion: 94 Resp: 1120
Ion Ratio Lower Upper
94 100
96 68.3 76.0 114.0#



#6
Chloroethane
Concen: 0.873 ug/l
RT: 2.799 min Scan# 138
Delta R.T. -0.211 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Tgt Ion: 64 Resp: 4685
Ion Ratio Lower Upper
64 100
66 2.6 26.2 39.4#

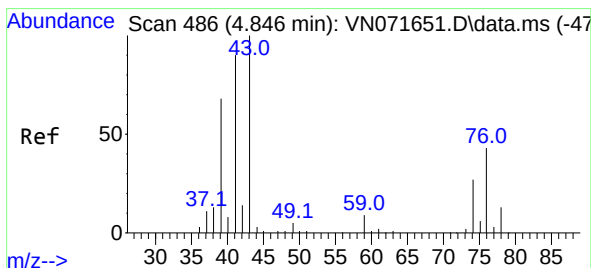
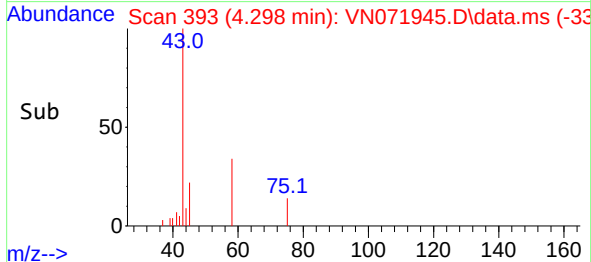
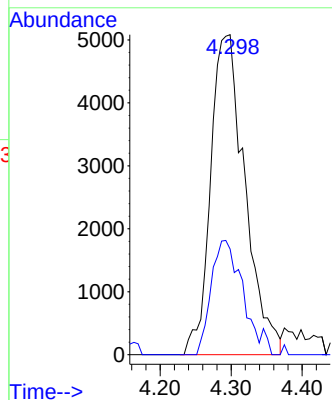
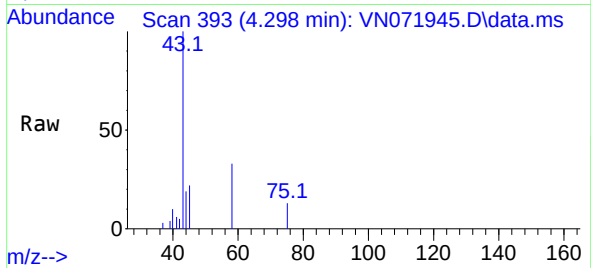




#16
Acetone
Concen: 5.188 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

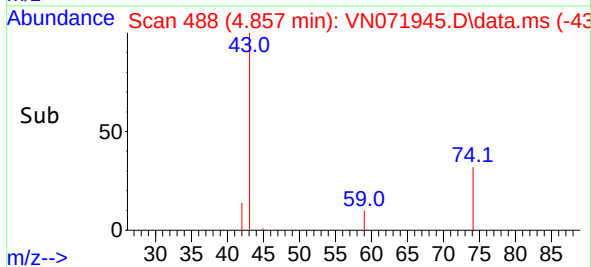
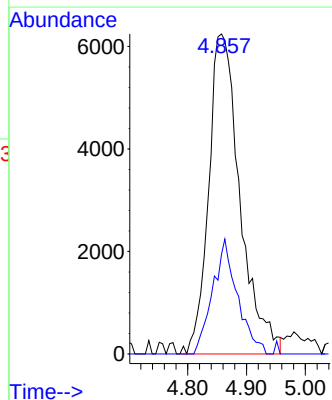
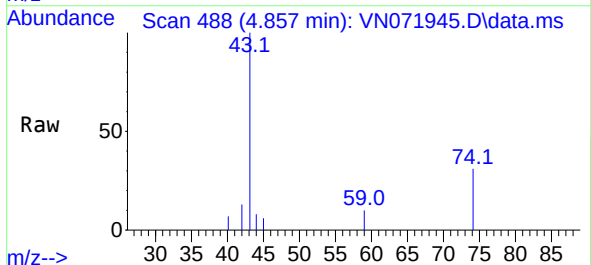
Instrument :
MSVOA_N
ClientSampleId :

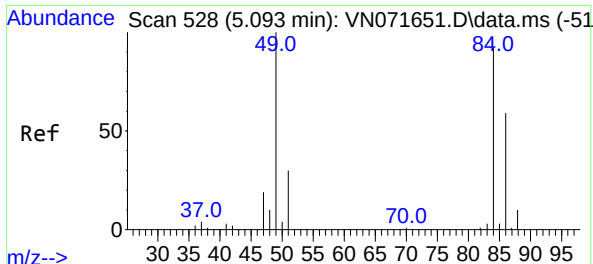
Tgt Ion: 43 Resp: 17077
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0



#18
Methyl Acetate
Concen: 1.364 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

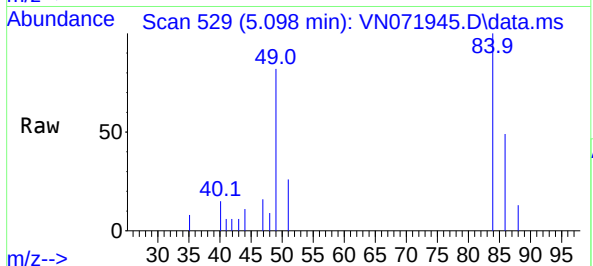
Tgt Ion: 43 Resp: 23119
Ion Ratio Lower Upper
43 100
74 28.5 21.6 32.4





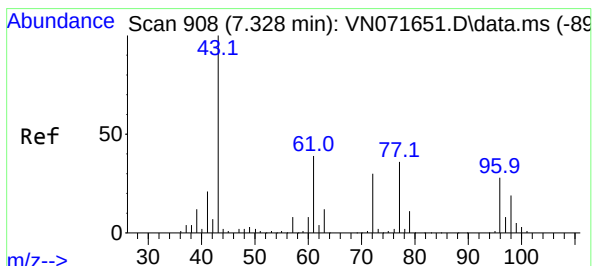
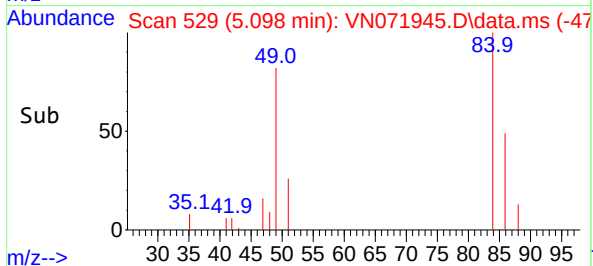
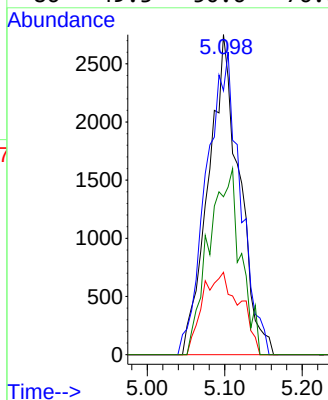
#20
Methylene Chloride
Concen: 1.102 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 7646

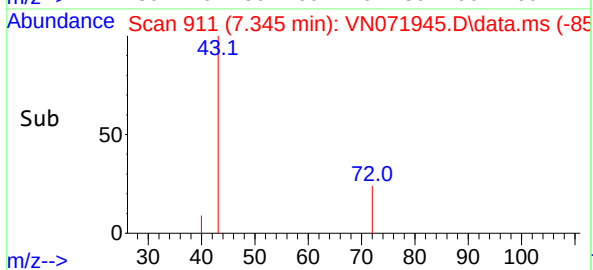
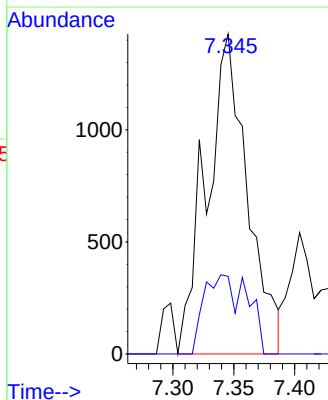
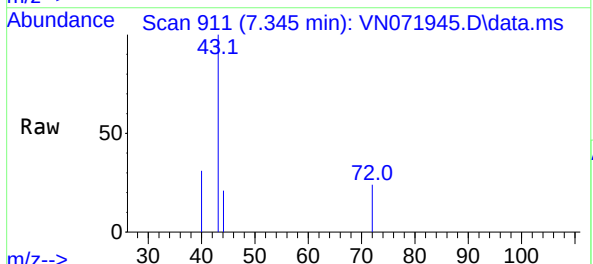
Ion	Ratio	Lower	Upper
84	100		
49	82.5	88.3	132.5#
51	25.7	28.2	42.2#
86	49.3	50.6	76.0#

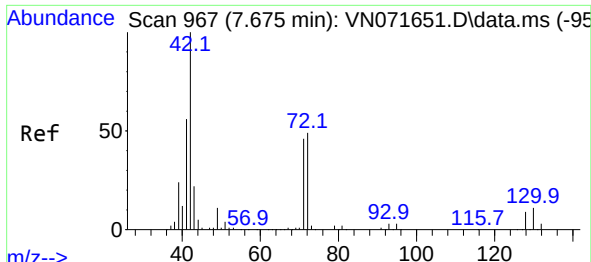


#25
2-Butanone
Concen: 0.705 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Tgt Ion: 43 Resp: 3345

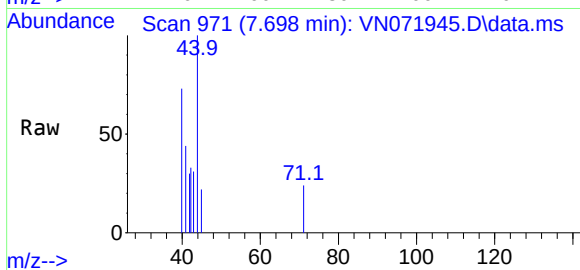
Ion	Ratio	Lower	Upper
43	100		
72	24.2	23.7	35.5



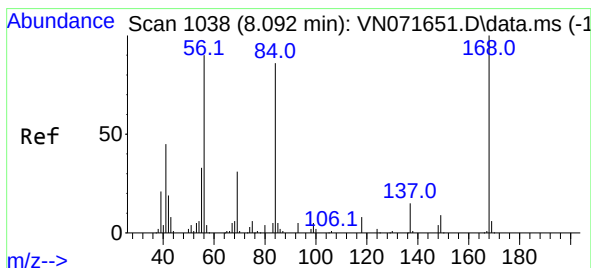
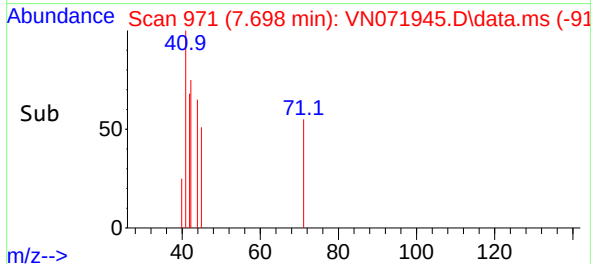
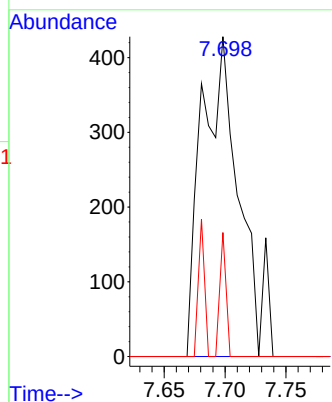


#29
Tetrahydrofuran
Concen: 0.302 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

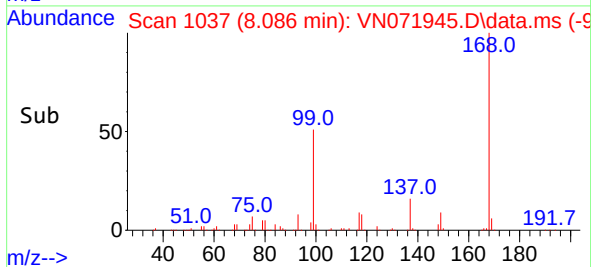
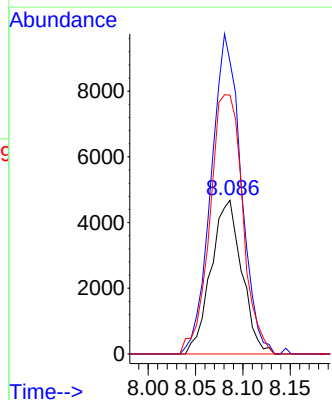
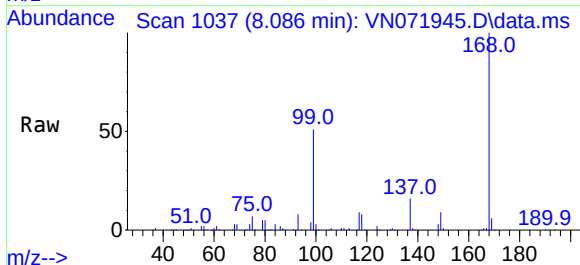


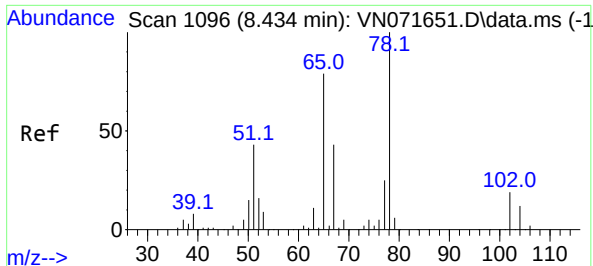
Tgt Ion: 42 Resp: 927
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 6.4 36.6 55.0#



#31
Cyclohexane
Concen: 1.010 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Tgt Ion: 56 Resp: 10579
Ion Ratio Lower Upper
56 100
69 190.3 27.8 41.8#
84 168.4 76.9 115.3#

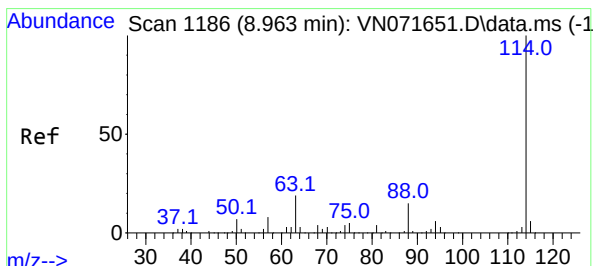
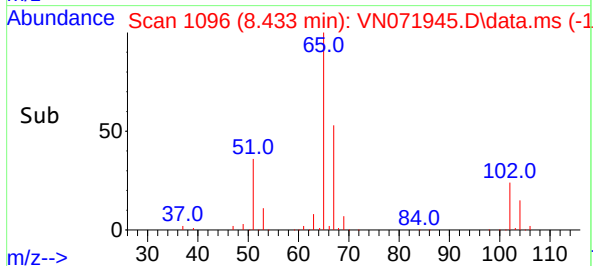
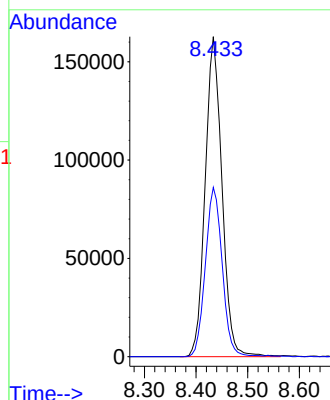
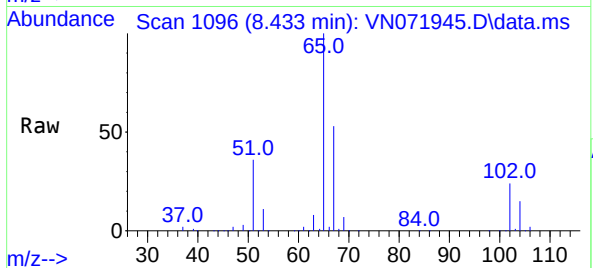




#33
1,2-Dichloroethane-d4
Concen: 47.636 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

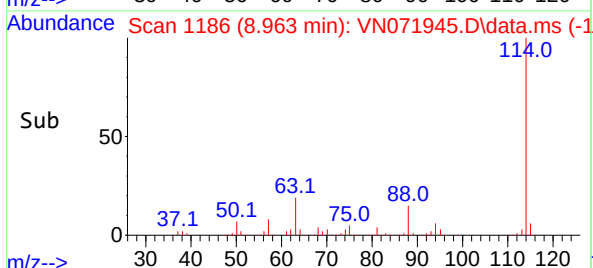
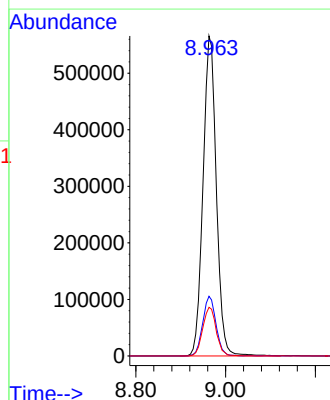
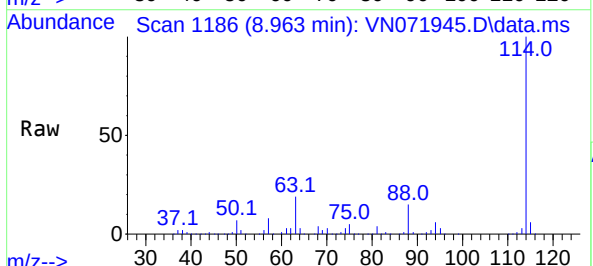
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MSVOA_N
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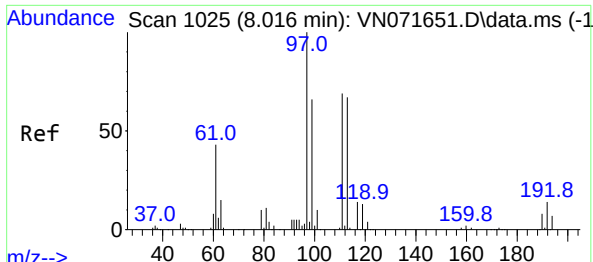
Tgt Ion: 65 Resp: 366877
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

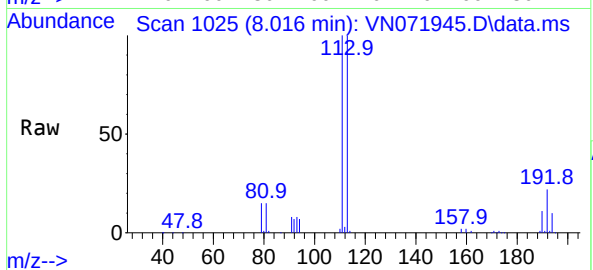
Tgt Ion:114 Resp: 1164172
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.0
88 15.2 0.0 32.6



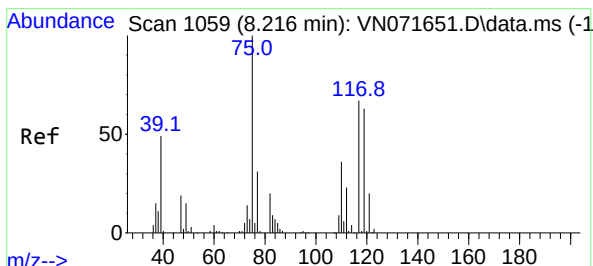
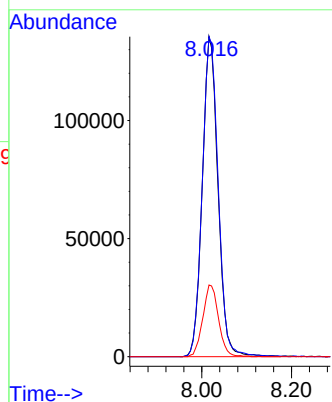
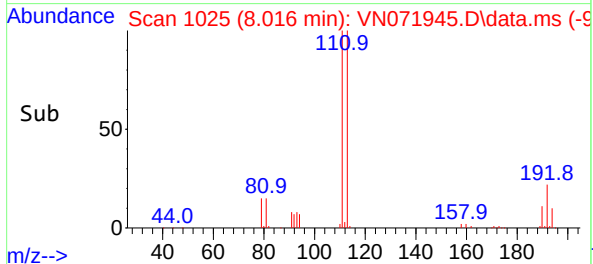


#35
Dibromofluoromethane
Concen: 47.899 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

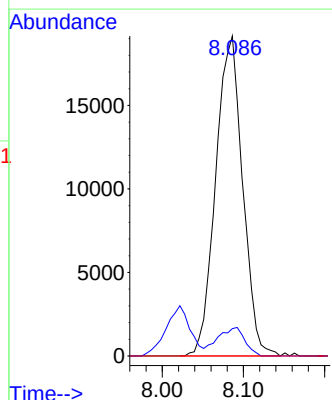
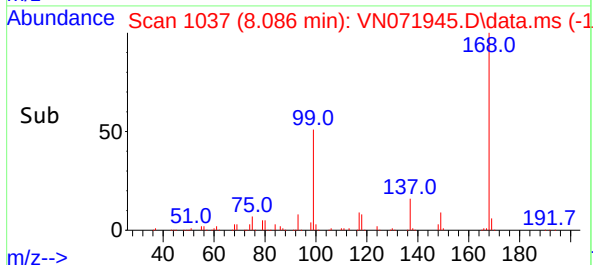
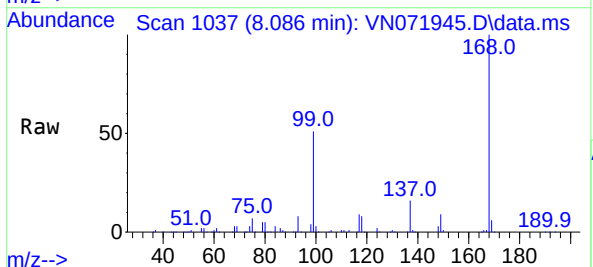


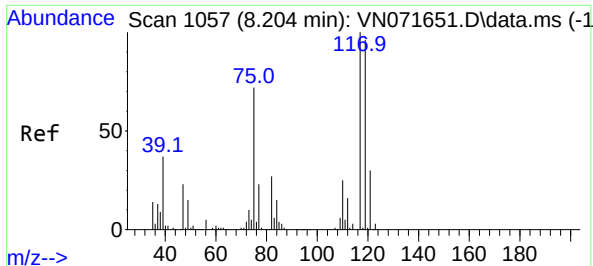
Tgt Ion:113 Resp: 328132
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 22.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.619 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

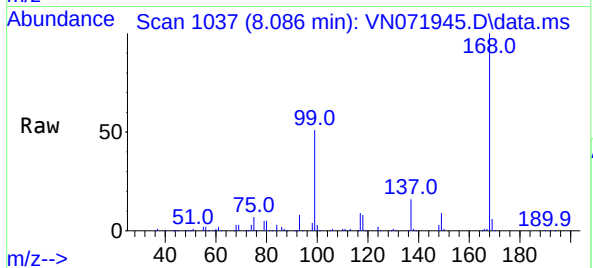
Tgt Ion: 75 Resp: 44183
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#



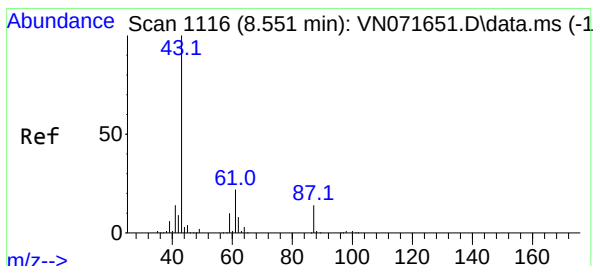
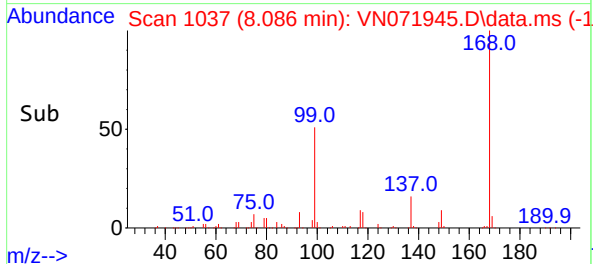
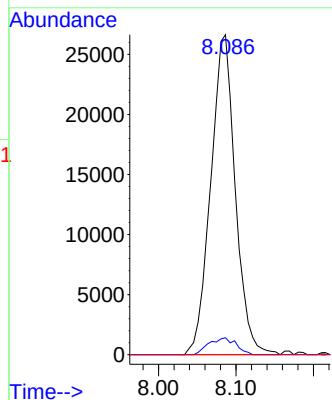


#38
Carbon Tetrachloride
Concen: 6.268 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

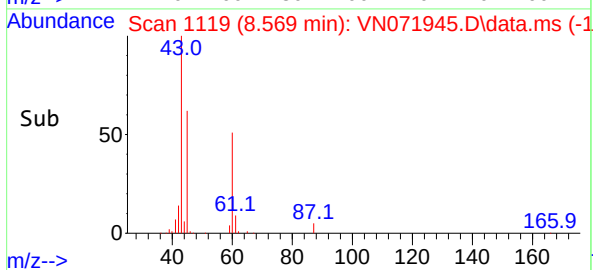
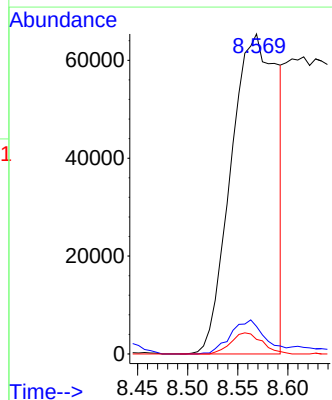
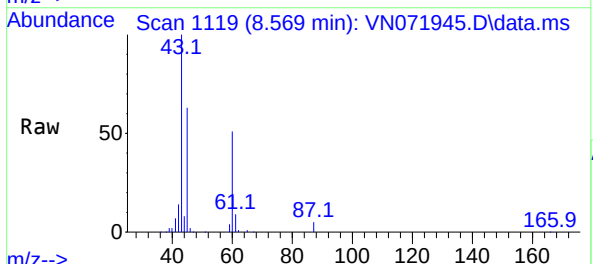


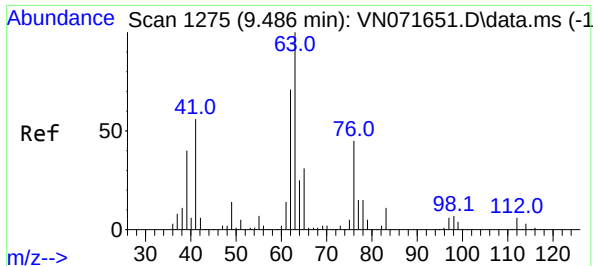
Tgt Ion:117 Resp: 58762
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 12.019 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Tgt Ion: 43 Resp: 209321
Ion Ratio Lower Upper
43 100
61 7.9 21.9 32.9#
87 4.5 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.641 ug/l

RT: 9.616 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN071945.D

Acq: 11 Apr 2022 18:53

Instrument :

MSVOA_N

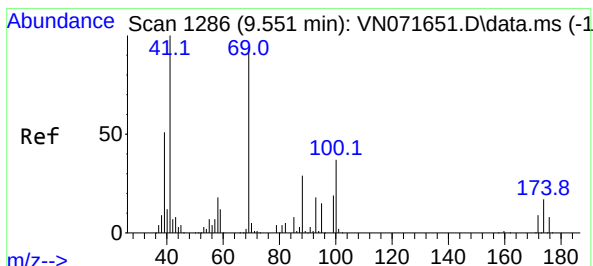
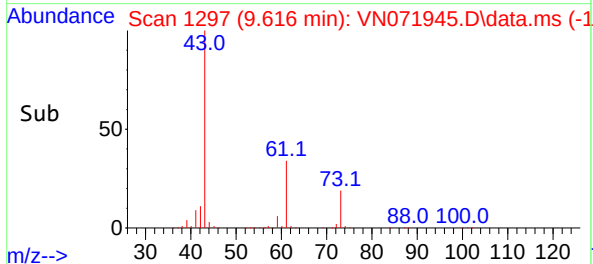
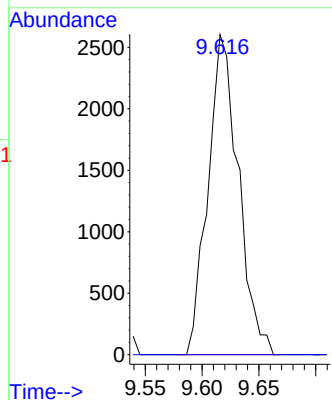
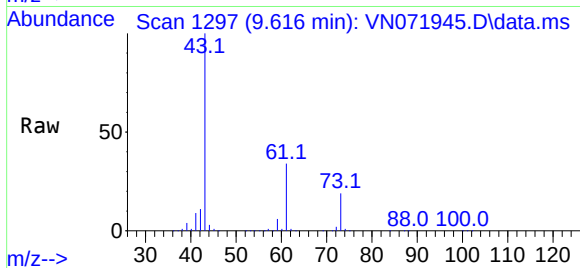
ClientSampleId :

Tgt Ion: 63 Resp: 4841

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.162 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN071945.D

Acq: 11 Apr 2022 18:53

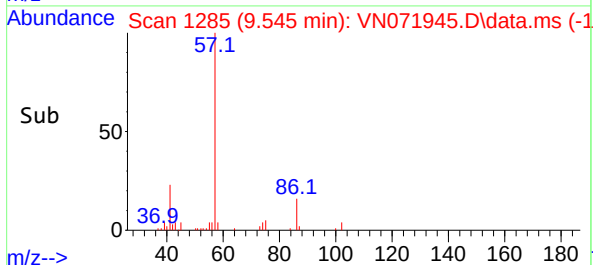
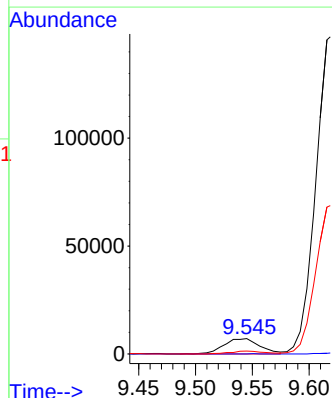
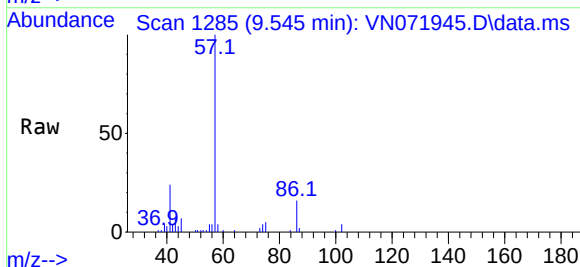
Tgt Ion: 41 Resp: 15625

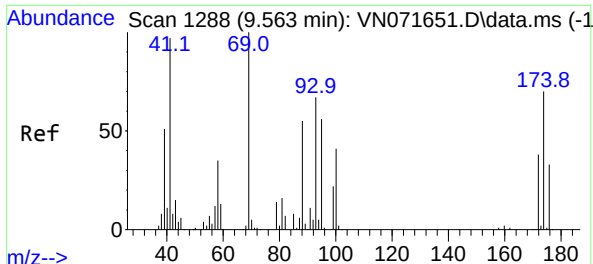
Ion Ratio Lower Upper

41 100

69 0.4 74.7 112.1#

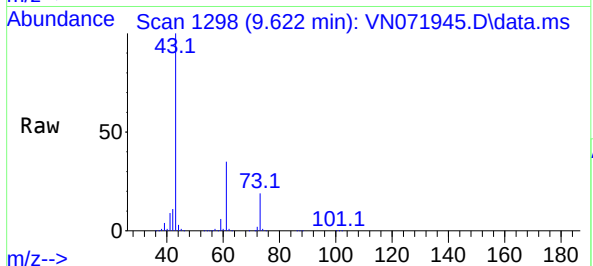
39 0.0 45.6 68.4#



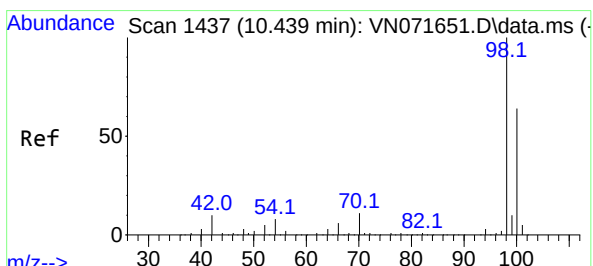
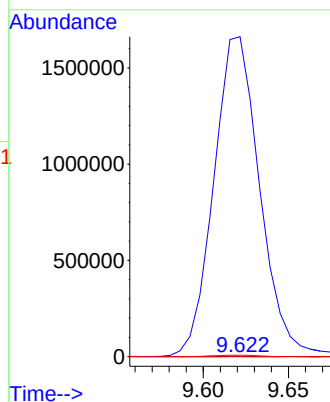
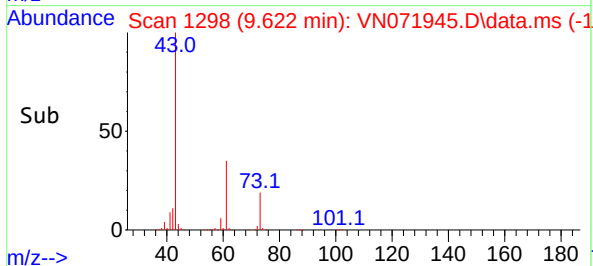


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

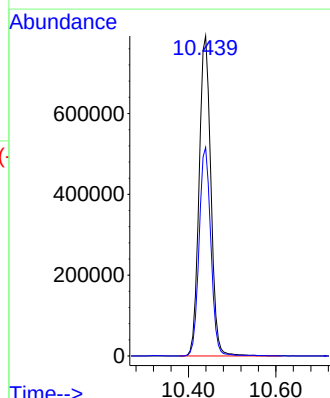
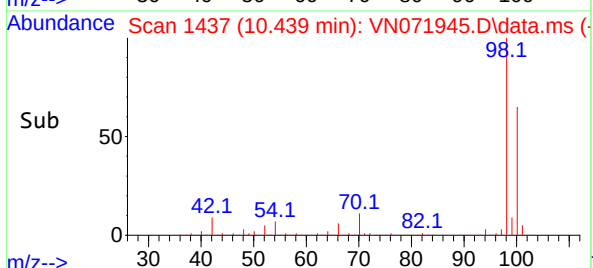
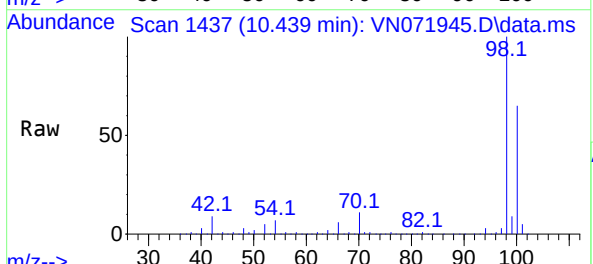


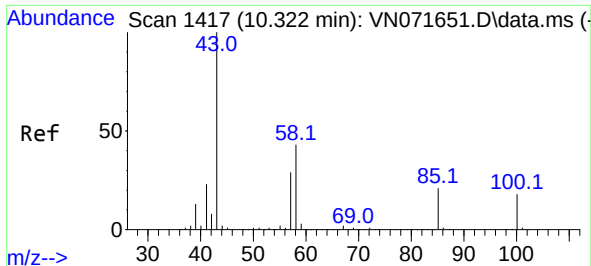
Tgt Ion: 88 Resp: 725
Ion Ratio Lower Upper
88 100
43 436590.5 20.2 30.4#
58 2084.4 54.2 81.4#



#50
Toluene-d8
Concen: 52.891 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Tgt Ion: 98 Resp: 1482193
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

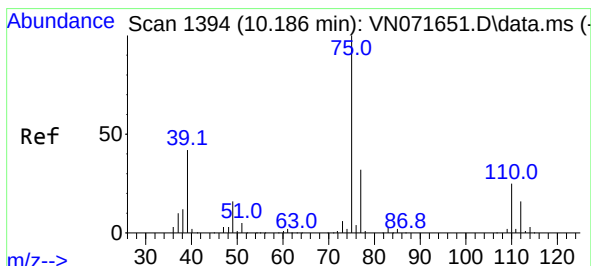
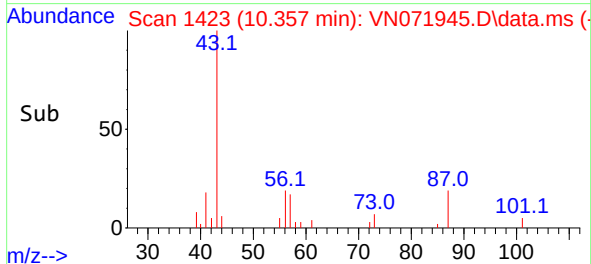
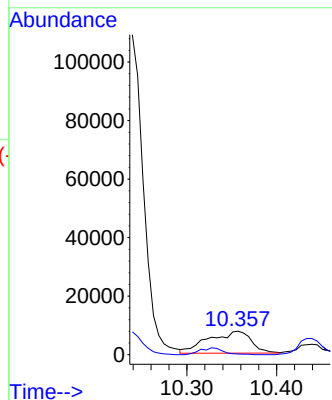
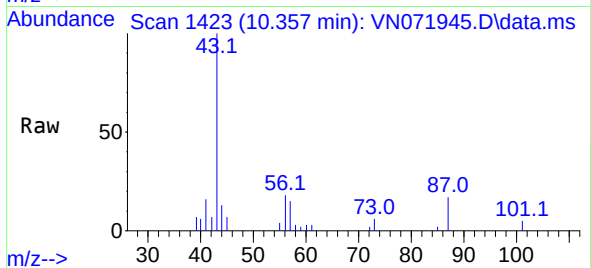




#51
4-Methyl-2-Pentanone
Concen: 2.475 ug/l
RT: 10.357 min Scan# 1417
Delta R.T. 0.035 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

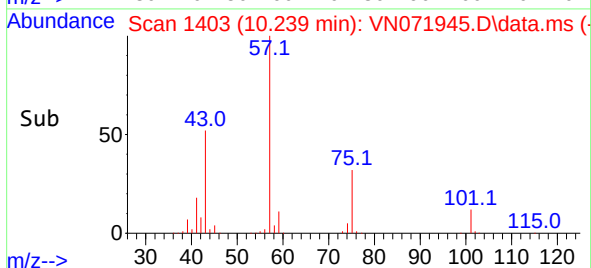
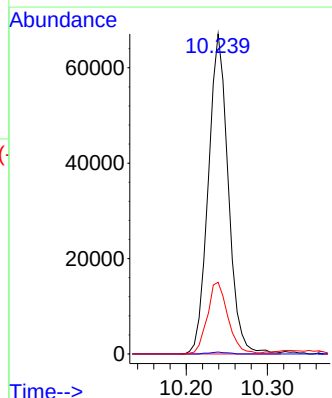
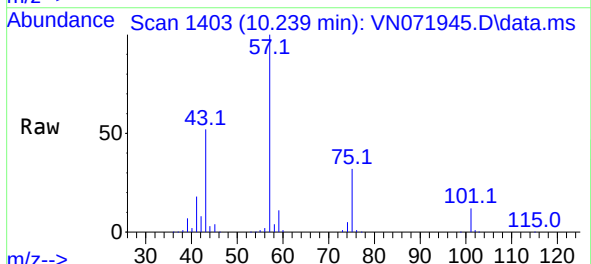
Instrument :
MSVOA_N
ClientSampleId :

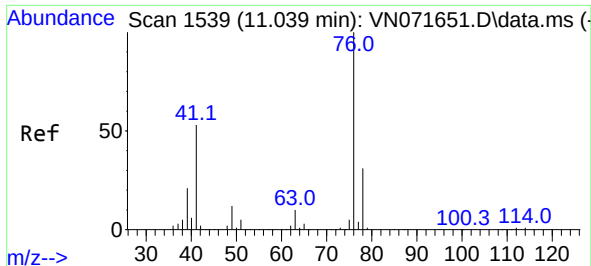
Tgt Ion: 43 Resp: 24785
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Tgt Ion: 75 Resp: 114533
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 22.4 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.249 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071945.D

Acq: 11 Apr 2022 18:53

Instrument :

MSVOA_N

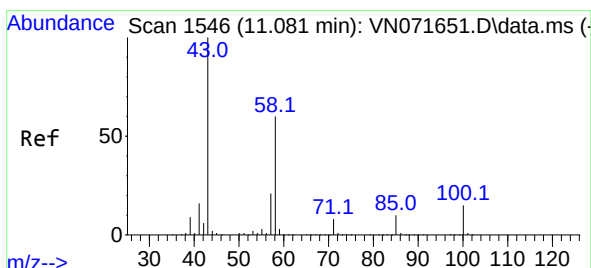
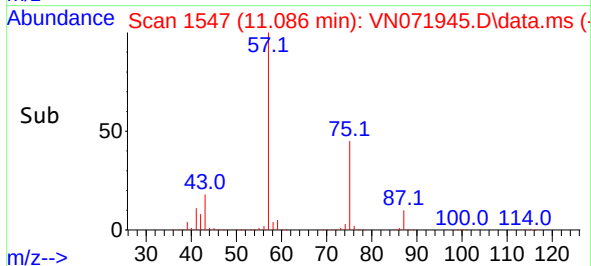
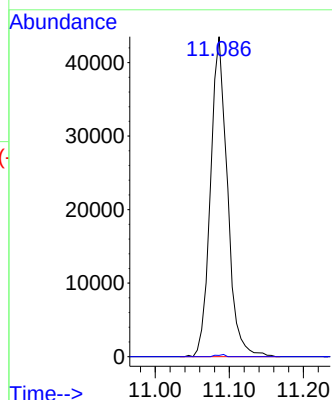
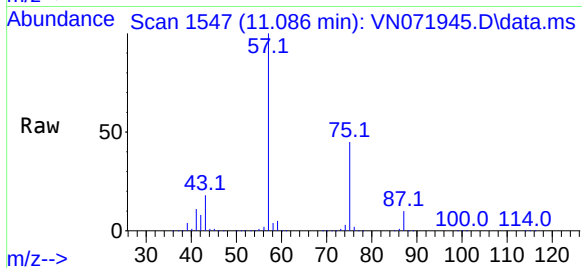
ClientSampleId :

Tgt Ion: 76 Resp: 68999

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.2#



#59

2-Hexanone

Concen: 116.157 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071945.D

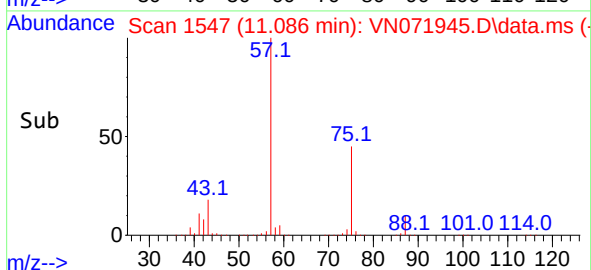
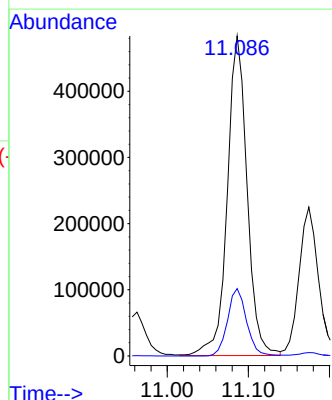
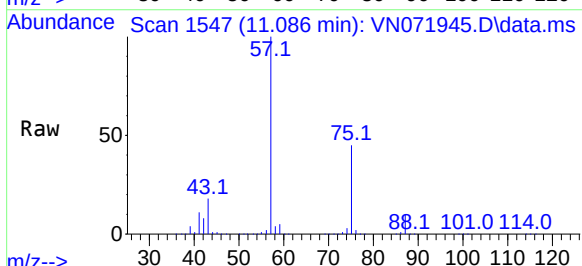
Acq: 11 Apr 2022 18:53

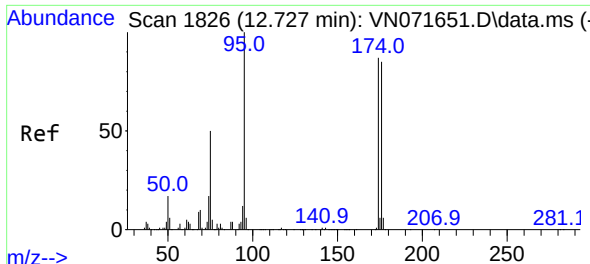
Tgt Ion: 43 Resp: 818891

Ion Ratio Lower Upper

43 100

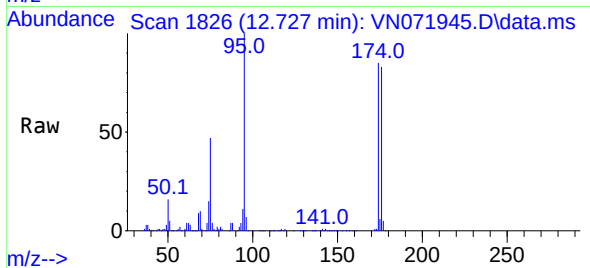
58 20.3 29.7 89.1#



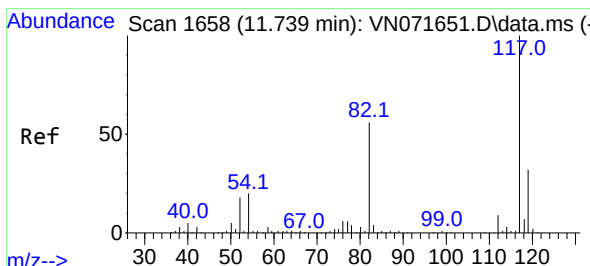
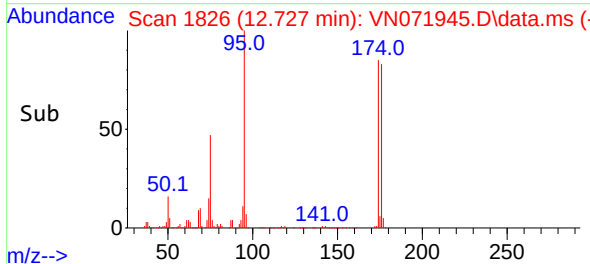
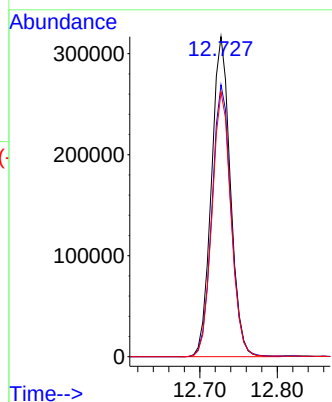


#62
4-Bromofluorobenzene
Concen: 59.284 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

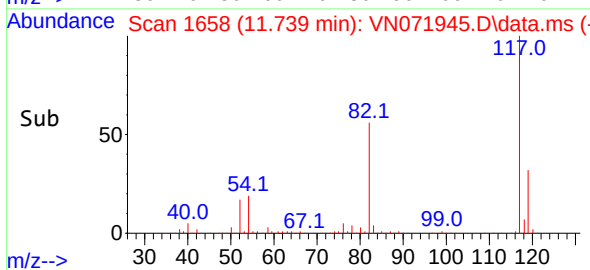
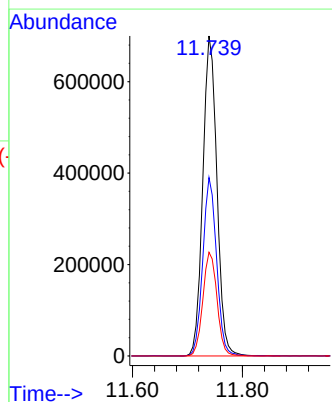
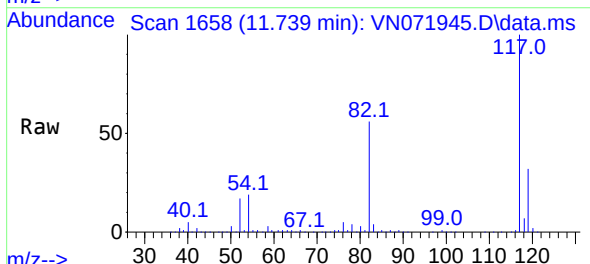


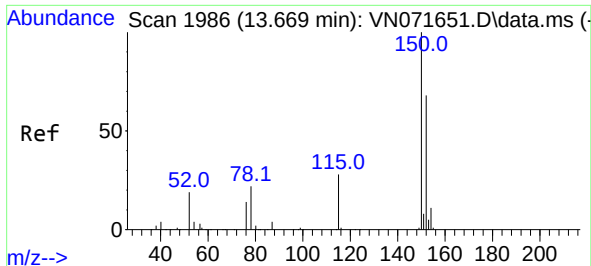
Tgt Ion: 95 Resp: 537309
Ion Ratio Lower Upper
95 100
174 85.7 0.0 167.6
176 82.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

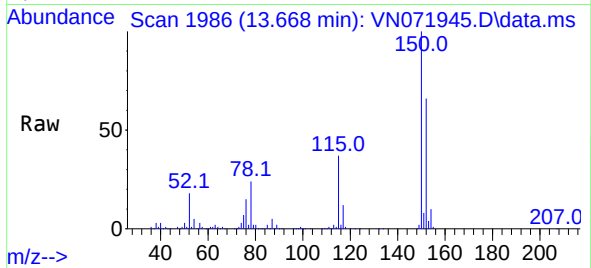
Tgt Ion: 117 Resp: 1248197
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.4 25.4 38.0



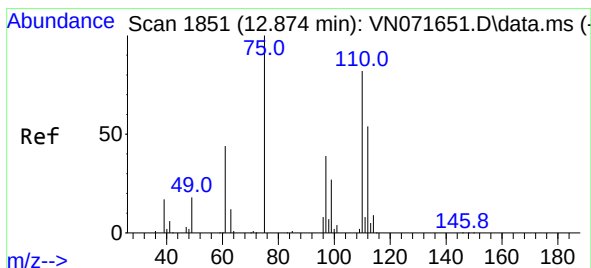
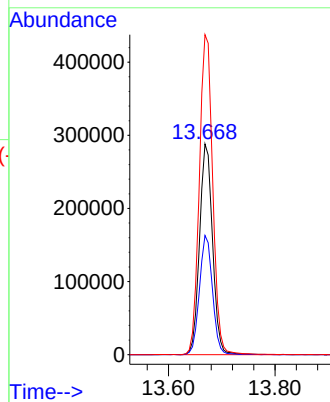
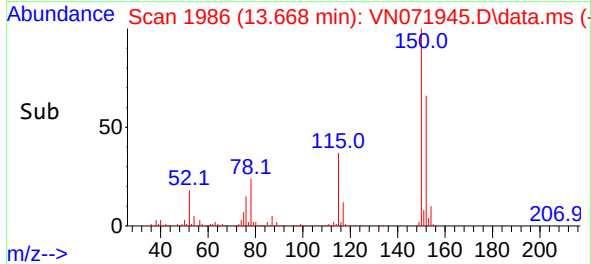


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN071945.D
 Acq: 11 Apr 2022 18:53

Instrument :
 MSVOA_N
 ClientSampleId :

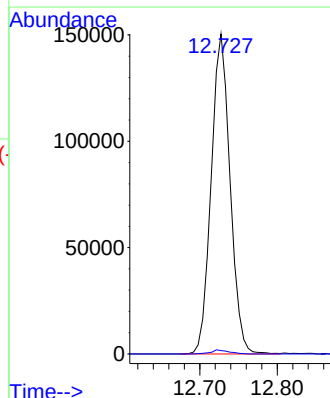
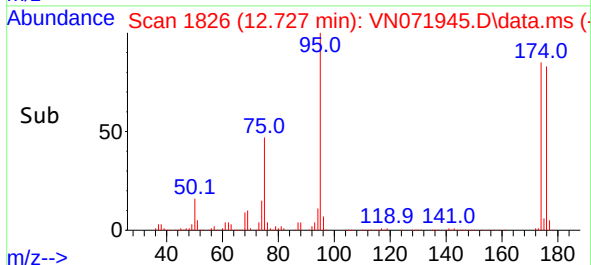
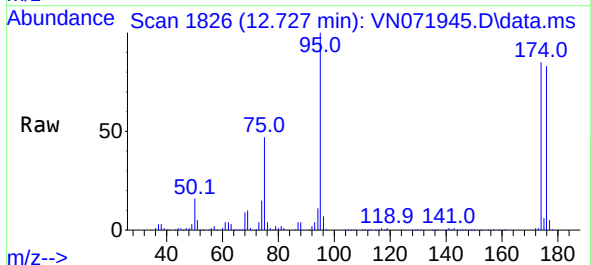


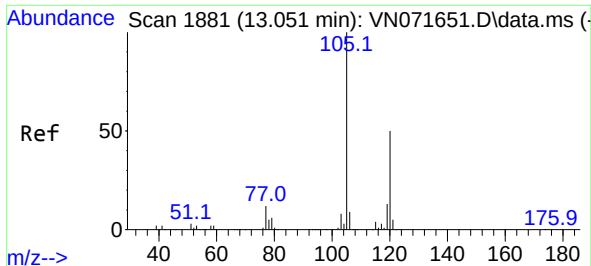
Tgt Ion:152 Resp: 488155
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 156.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.535 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN071945.D
 Acq: 11 Apr 2022 18:53

Tgt Ion: 75 Resp: 254835
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

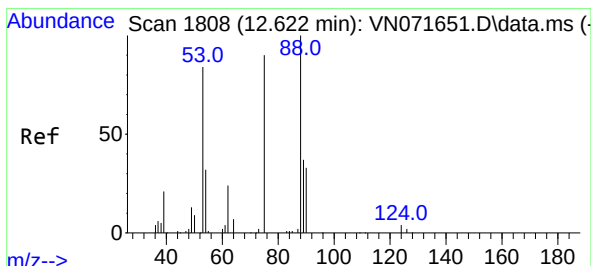
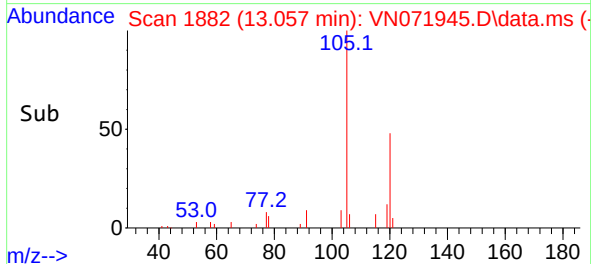
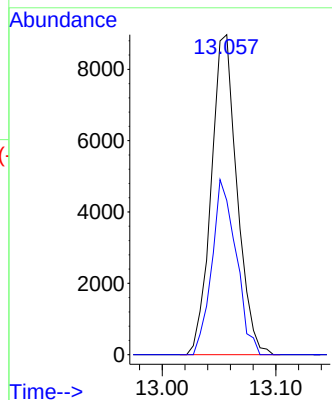
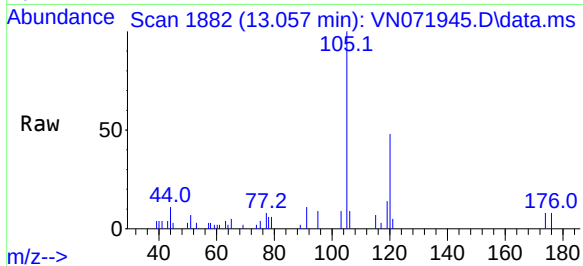




#80
1,3,5-Trimethylbenzene
Concen: 0.434 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

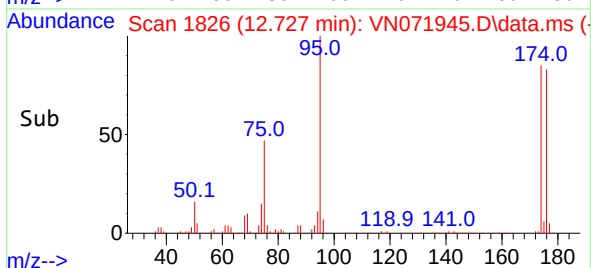
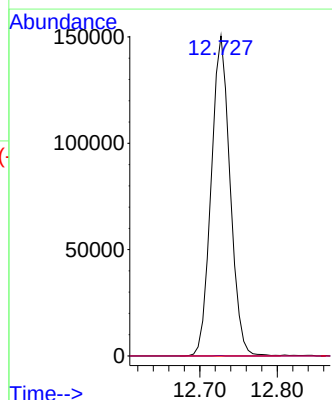
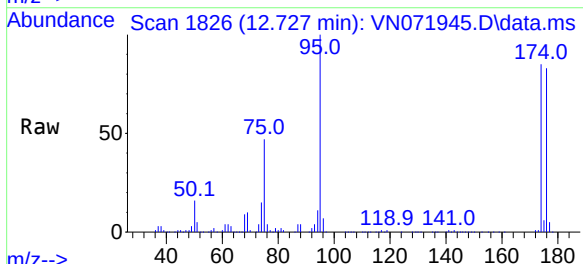
Instrument :
MSVOA_N
ClientSampleId :

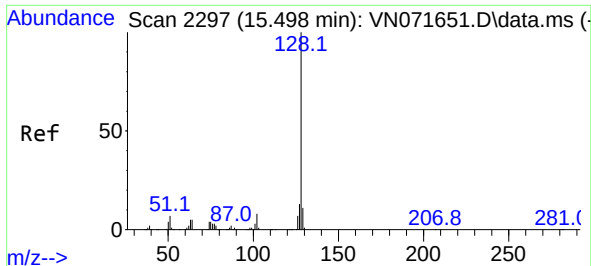
Tgt Ion:105 Resp: 14151
Ion Ratio Lower Upper
105 100
120 51.4 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 69.835 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

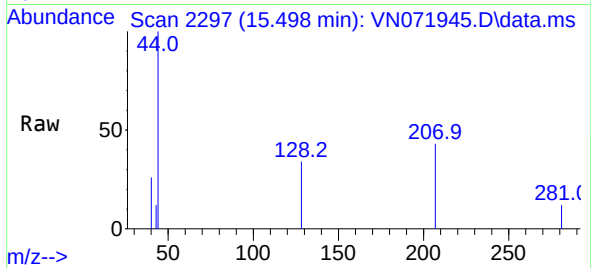
Tgt Ion: 75 Resp: 254835
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071945.D
Acq: 11 Apr 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :



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

