

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071880.D
 Acq On : 06 Apr 2022 15:31
 Operator : JC\MD
 Sample : PB143897TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897TB

Quant Time: Apr 07 04:28:02 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)

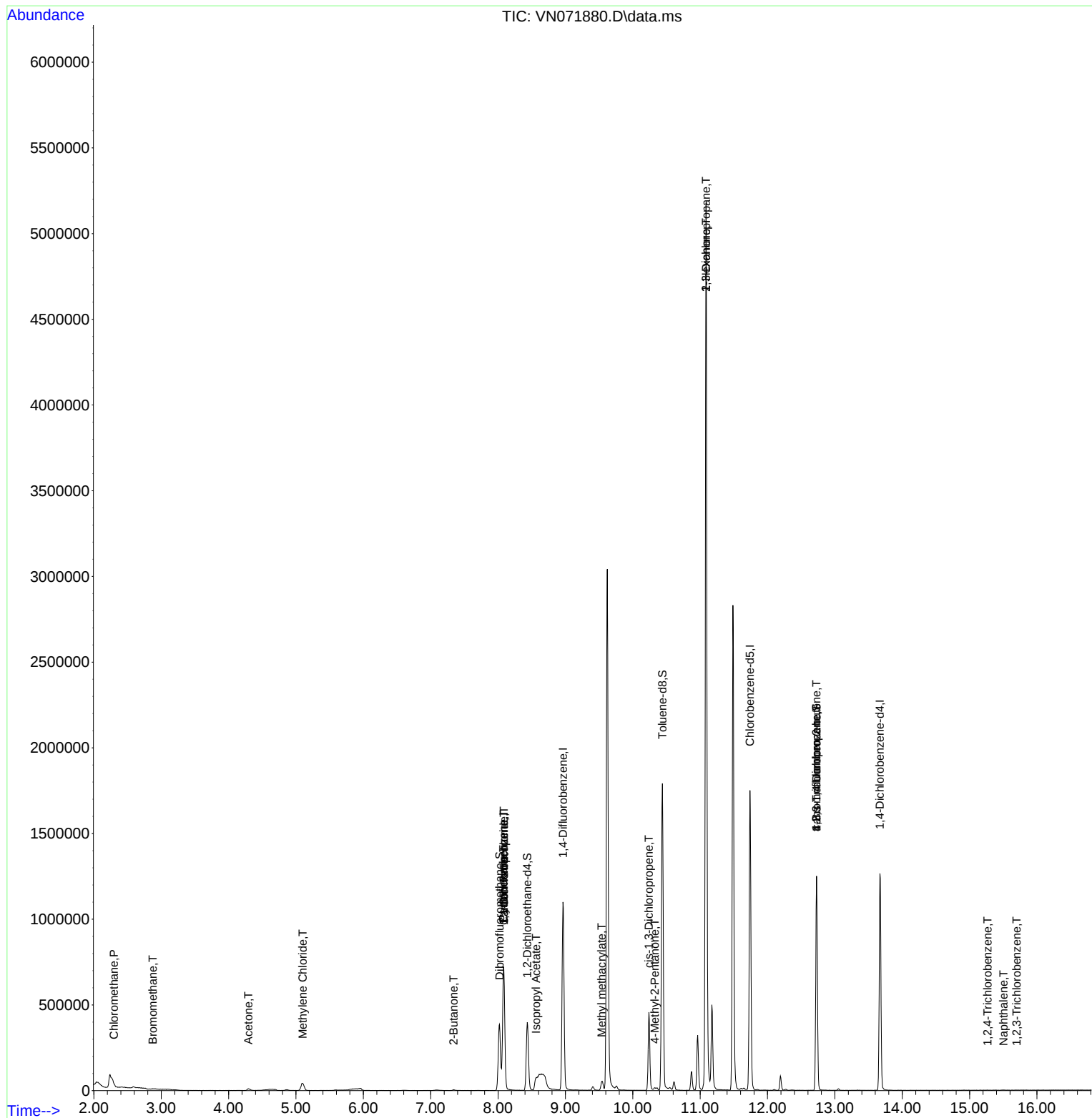
Internal Standards						
1) Pentafluorobenzene	8.080	168	608143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1031031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1069692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	381052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	334598	48.194	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.380%		
35) Dibromofluoromethane	8.022	113	290487	47.880	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.760%		
50) Toluene-d8	10.439	98	1310438	52.800	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.600%		
62) 4-Bromofluorobenzene	12.727	95	442380	55.113	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.220%		
Target Compounds						Qvalue
3) Chloromethane	2.298	50	2219	0.362	ug/l	94
5) Bromomethane	2.875	94	1411	0.323	ug/l #	79
16) Acetone	4.292	43	17714	5.970	ug/l	98
18) Methyl Acetate	4.857	43	10381	Below Cal		91
20) Methylene Chloride	5.098	84	39485	6.314	ug/l	90
25) 2-Butanone	7.339	43	7664	1.792	ug/l	99
31) Cyclohexane	8.080	56	9823	1.040	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	41807	4.935	ug/l #	49
38) Carbon Tetrachloride	8.086	117	52767	6.355	ug/l #	16
43) Isopropyl Acetate	8.563	43	95187	6.171	ug/l #	78
48) Methyl methacrylate	9.539	41	13459	2.103	ug/l #	10
49) 1,4-Dioxane	9.622	88	411	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	8646	0.975	ug/l	90
54) cis-1,3-Dichloropropene	10.239	75	90796	8.774	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	58977	5.066	ug/l #	43
59) 2-Hexanone	11.086	43	716276	114.721	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	213262	24.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	213262	74.869	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	452	2.157	ug/l #	56
95) Naphthalene	15.504	128	1922	3.905	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.698	180	492	2.494	ug/l	74

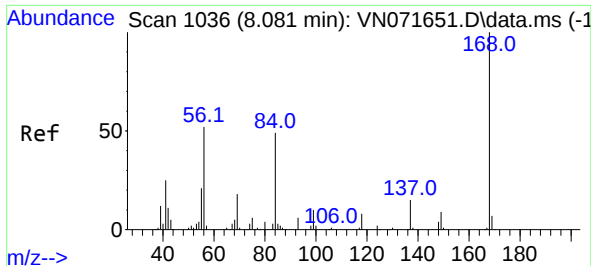
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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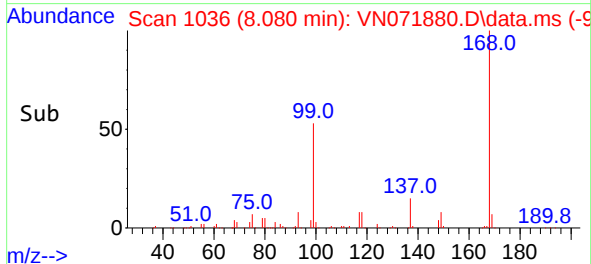
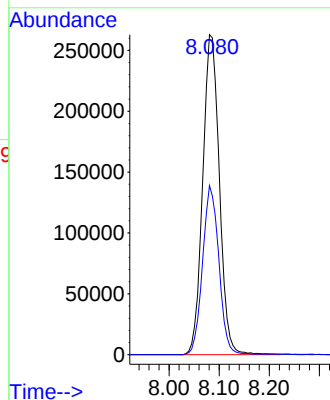
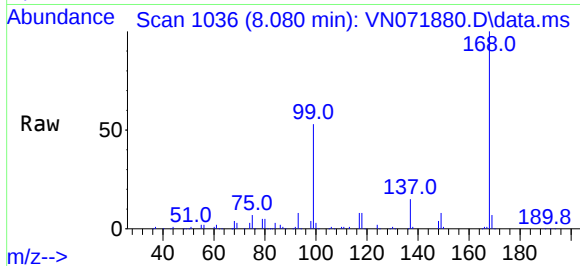




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

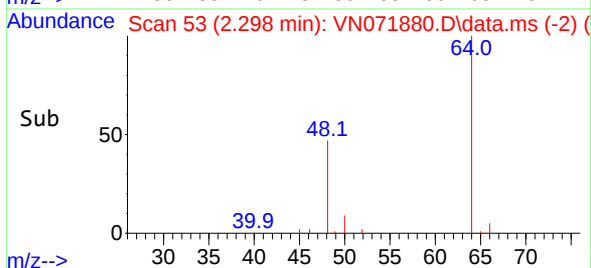
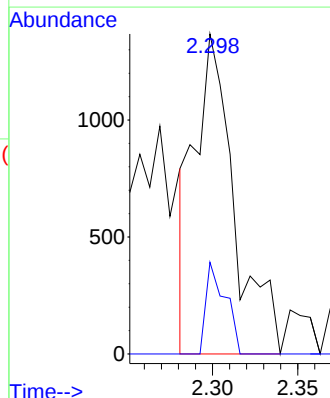
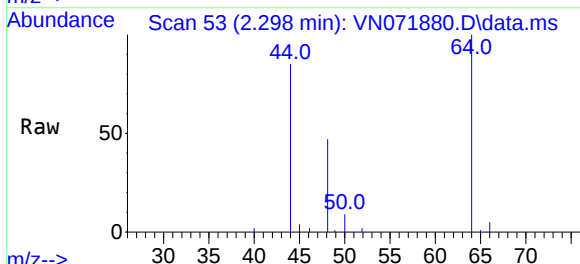
Instrument :
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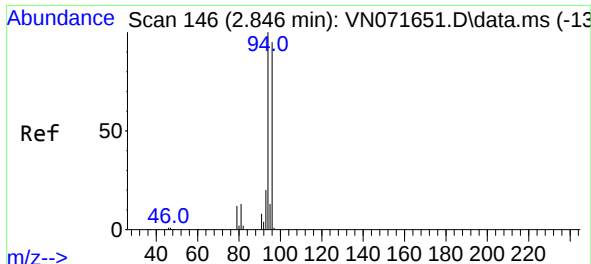
Tgt Ion:168 Resp: 608143
Ion Ratio Lower Upper
168 100
99 52.8 42.3 63.5



#3
Chloromethane
Concen: 0.362 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 50 Resp: 2219
Ion Ratio Lower Upper
50 100
52 28.7 25.7 38.5

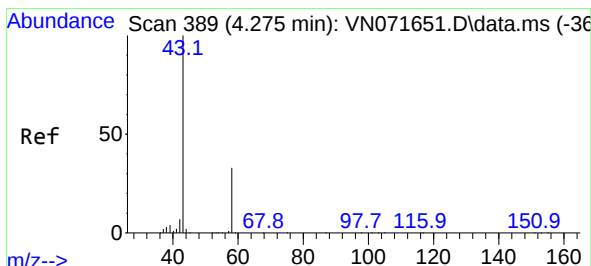
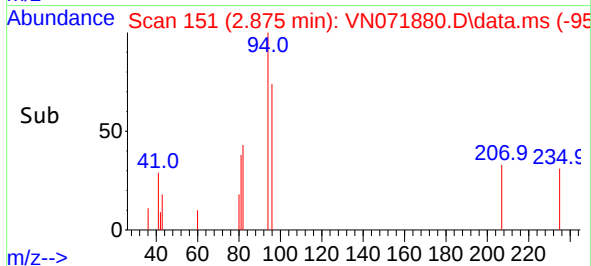
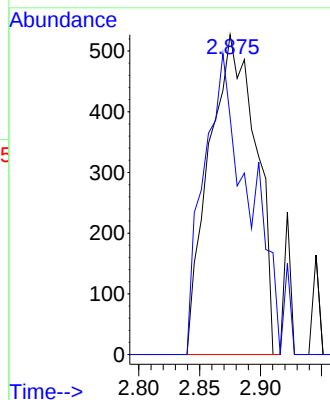
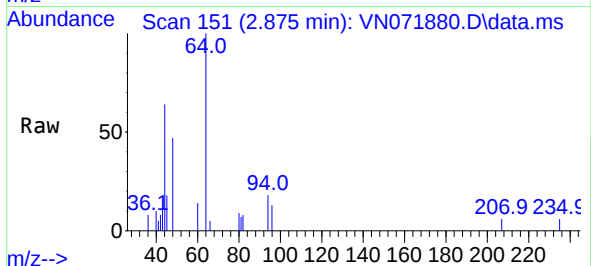




#5
Bromomethane
Concen: 0.323 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

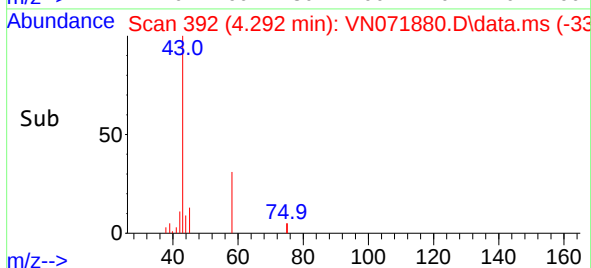
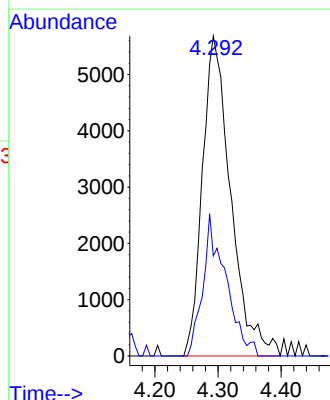
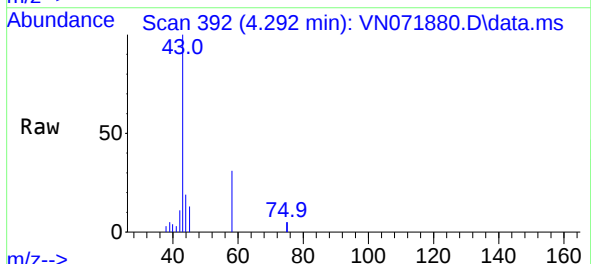
Instrument :
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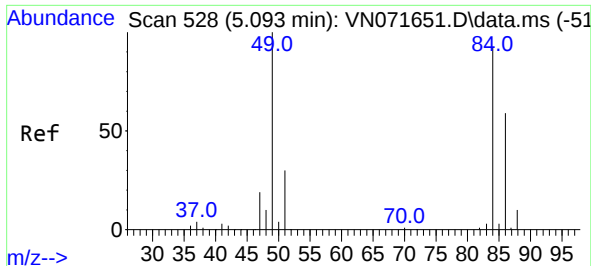
Tgt Ion: 94 Resp: 1411
Ion Ratio Lower Upper
94 100
96 74.2 76.0 114.0#



#16
Acetone
Concen: 5.970 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 43 Resp: 17714
Ion Ratio Lower Upper
43 100
58 31.2 26.0 39.0



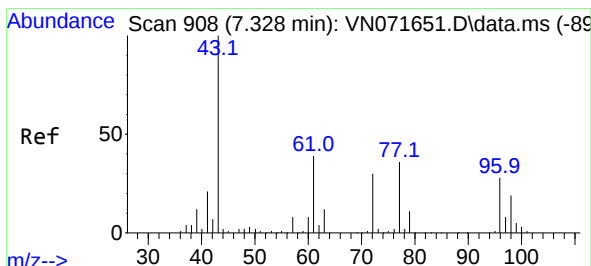
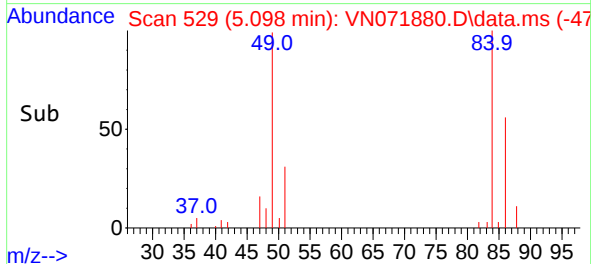
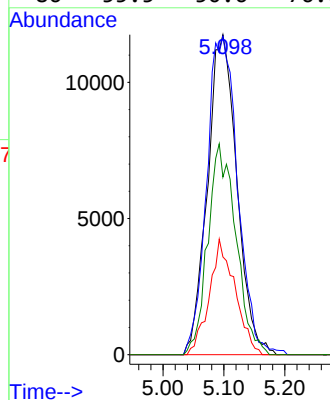
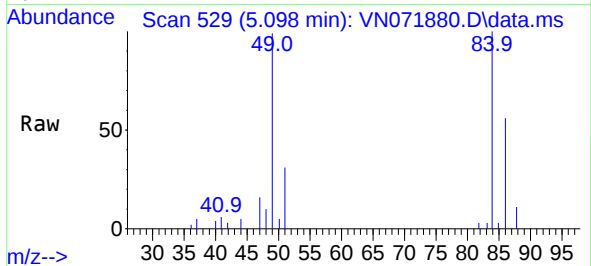


#20
Methylene Chloride
Concen: 6.314 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Instrument :
MSVOA_N
ClientSampleId :
PB143897B

Tgt Ion: 84 Resp: 39485

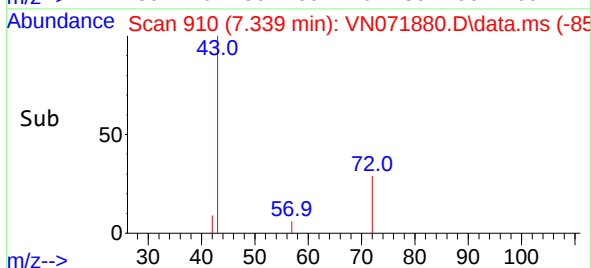
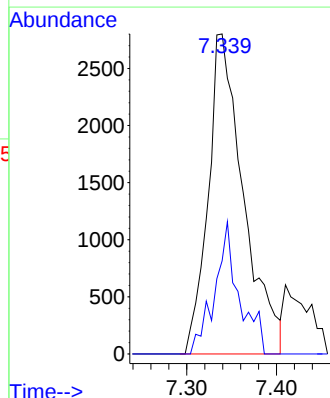
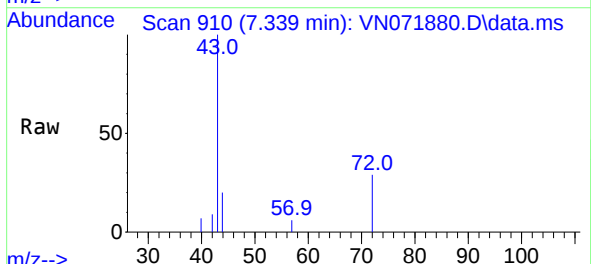
Ion	Ratio	Lower	Upper
84	100		
49	99.5	88.3	132.5
51	30.6	28.2	42.2
86	55.5	50.6	76.0

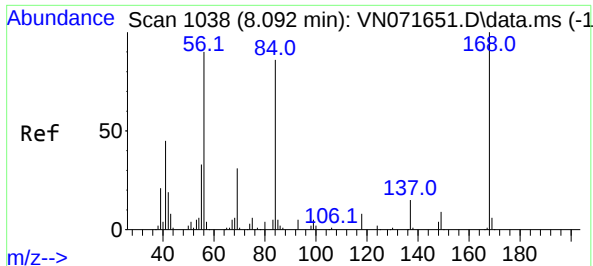


#25
2-Butanone
Concen: 1.792 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 43 Resp: 7664

Ion	Ratio	Lower	Upper
43	100		
72	29.1	23.7	35.5

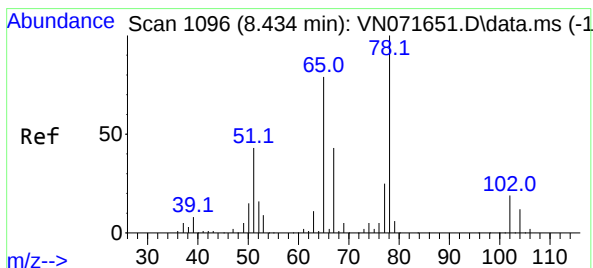
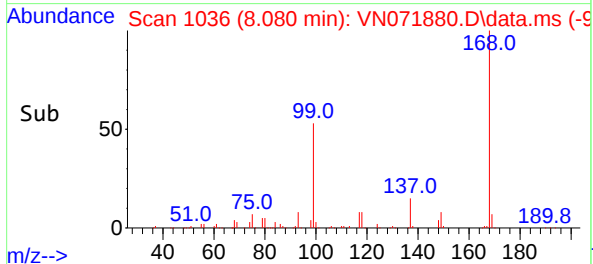
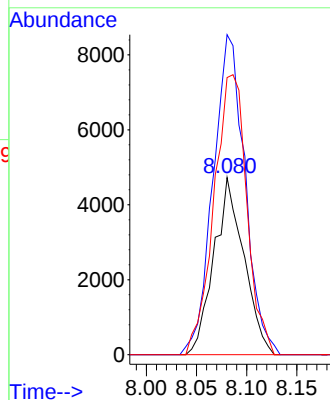
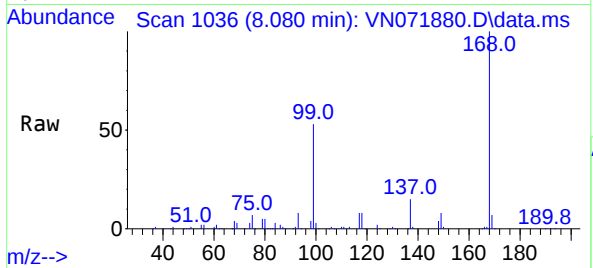




#31
Cyclohexane
Concen: 1.040 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

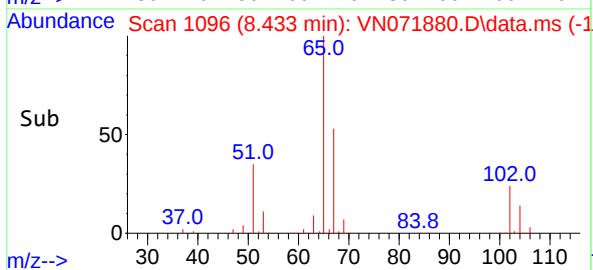
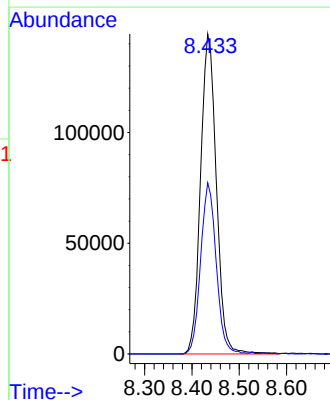
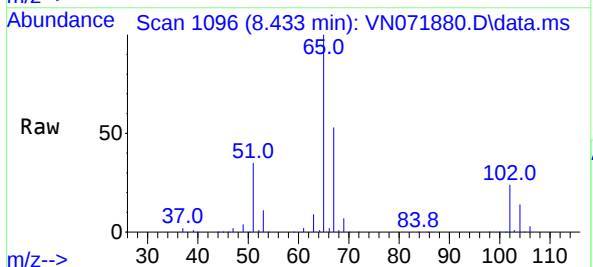
Instrument :
MSVOA_N
ClientSampleId :
PB143897B

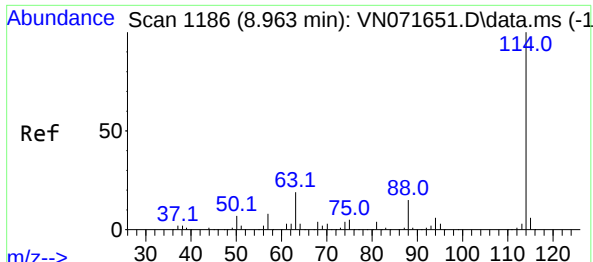
Tgt Ion: 56 Resp: 9823
Ion Ratio Lower Upper
56 100
69 180.7 27.8 41.8#
84 156.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.194 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 65 Resp: 334598
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

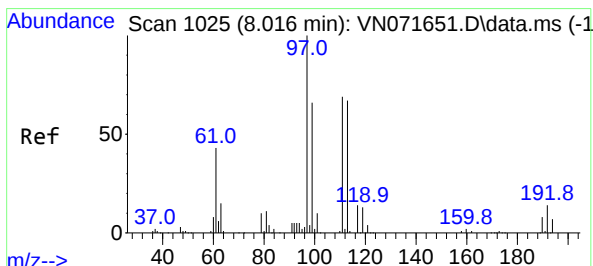
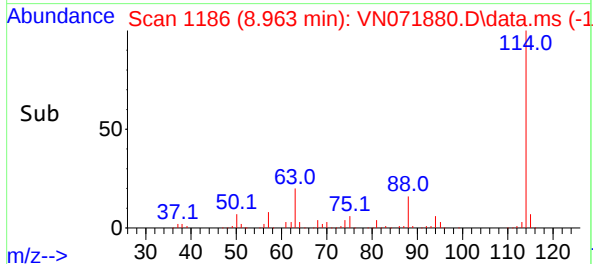
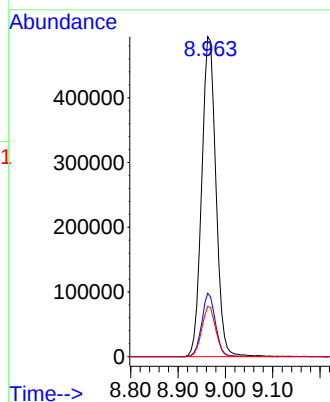
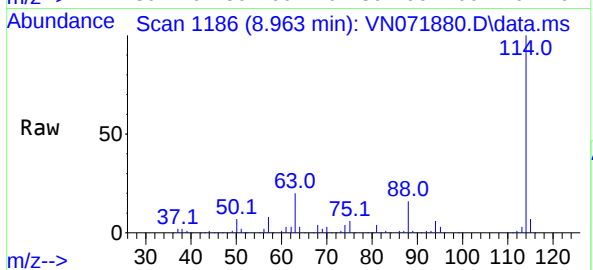




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

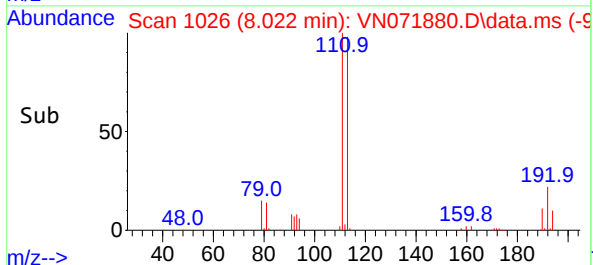
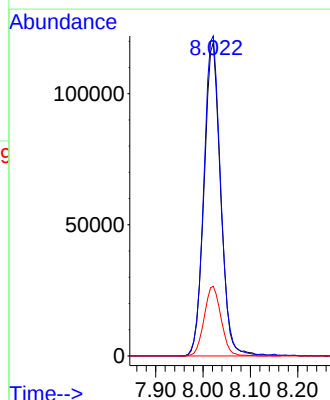
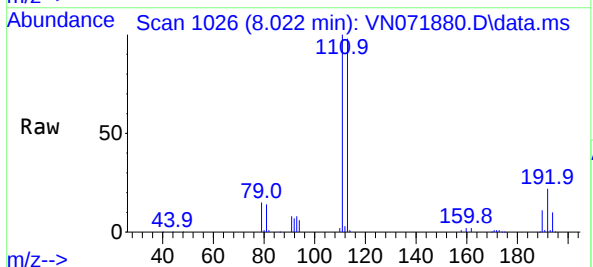
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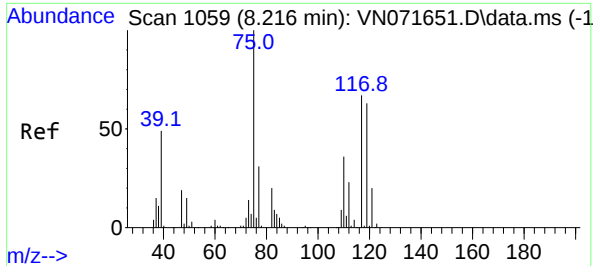
Tgt Ion:114 Resp: 1031031
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.880 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion:113 Resp: 290487
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 22.7 17.0 25.6

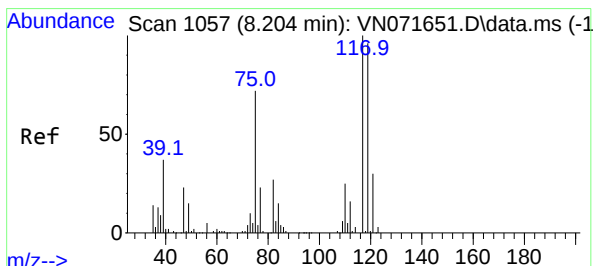
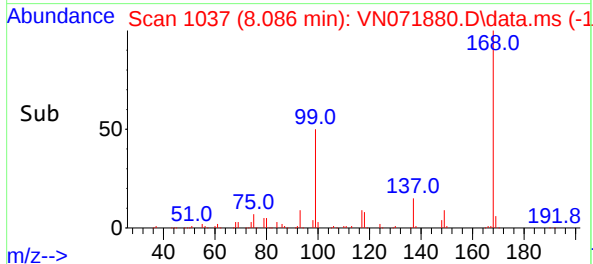
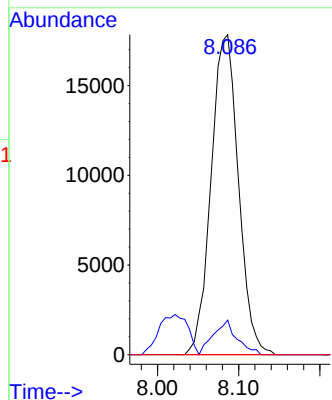
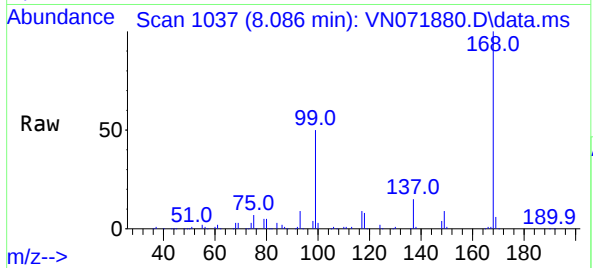




#36
1,1-Dichloropropene
Concen: 4.935 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

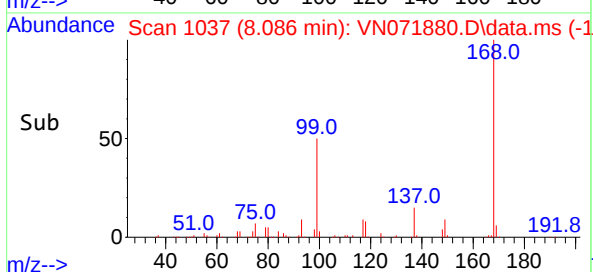
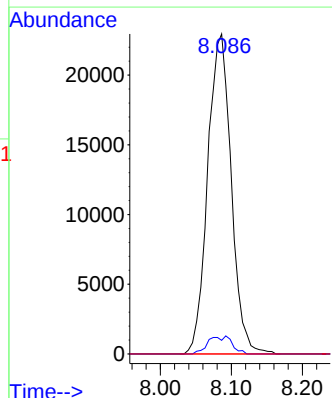
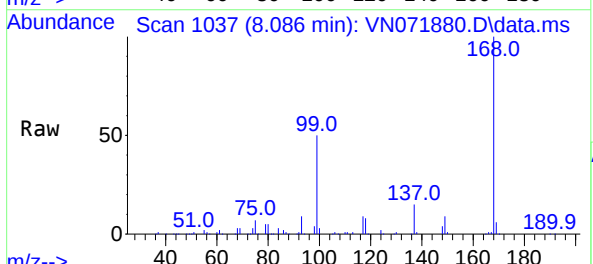
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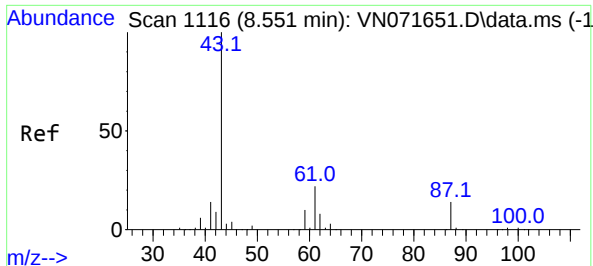
Tgt Ion: 75 Resp: 41807
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.355 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 117 Resp: 52767
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#

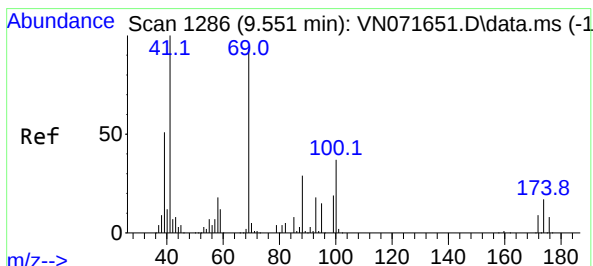
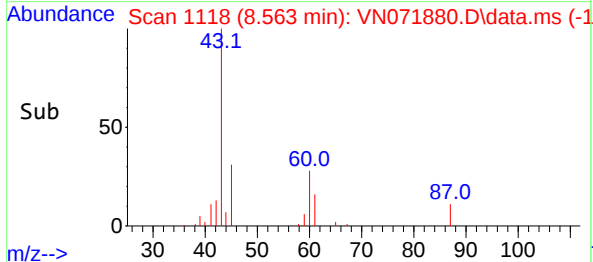
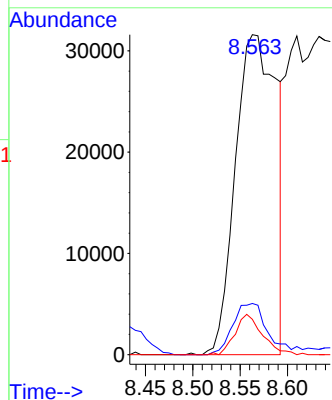
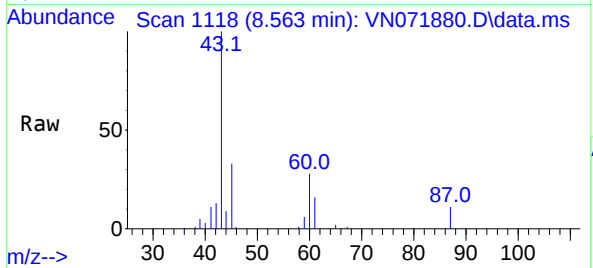




#43
Isopropyl Acetate
Concen: 6.171 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

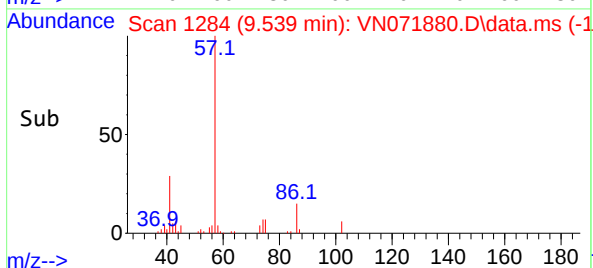
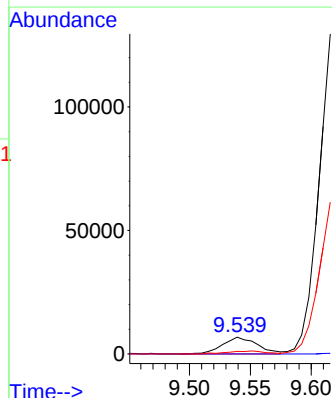
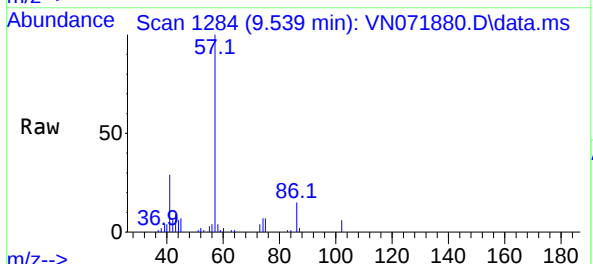
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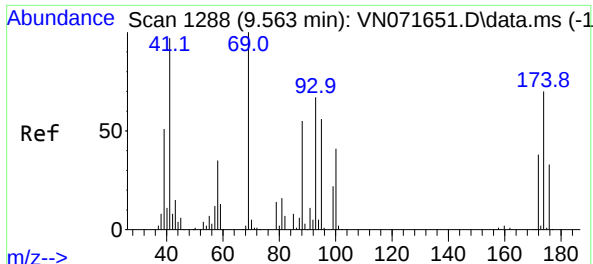
Tgt Ion: 43 Resp: 95187
Ion Ratio Lower Upper
43 100
61 14.5 21.9 32.9#
87 8.4 12.0 18.0#



#48
Methyl methacrylate
Concen: 2.103 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 41 Resp: 13459
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

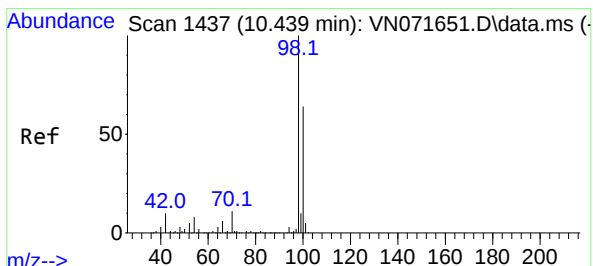
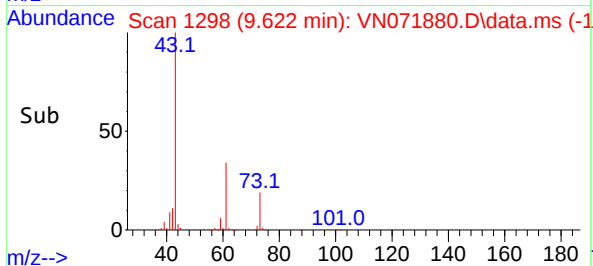
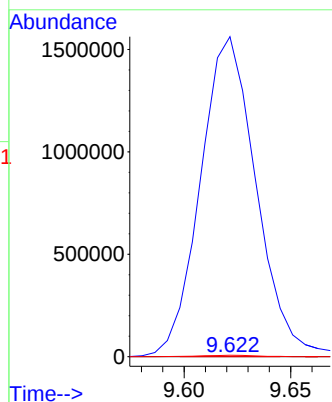
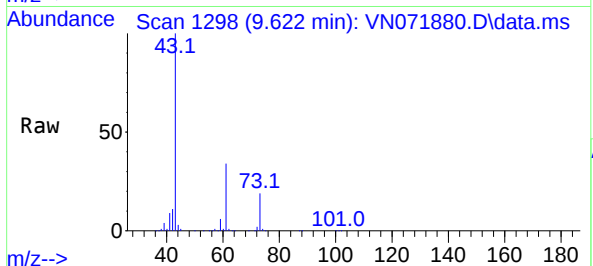




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

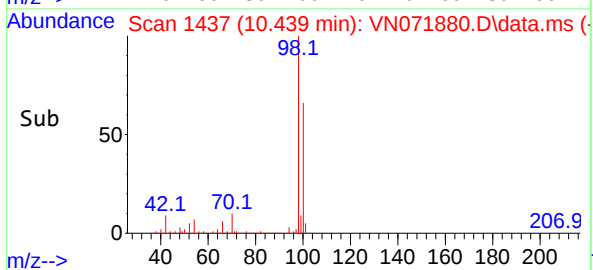
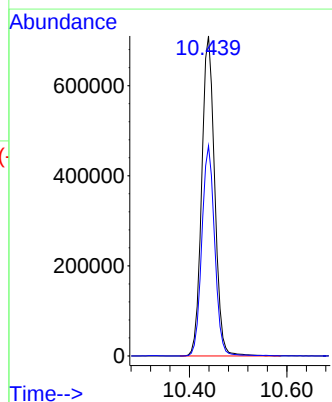
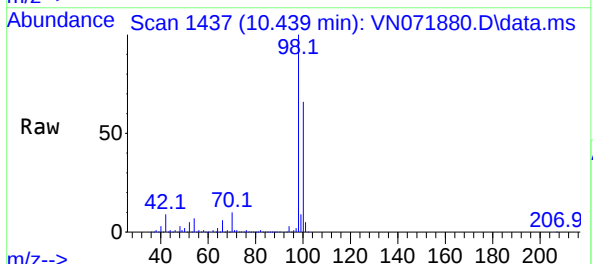
Instrument :
MSVOA_N
ClientSampleId :
PB143897B

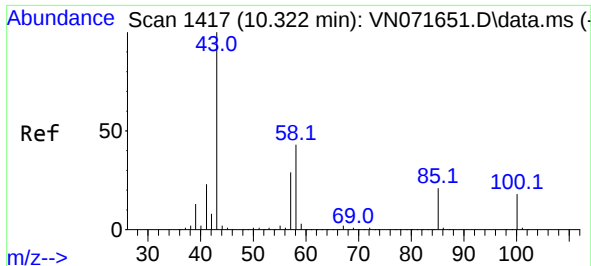
Tgt Ion: 88 Resp: 411
Ion Ratio Lower Upper
88 100
43 704849.6 20.2 30.4#
58 3300.7 54.2 81.4#



#50
Toluene-d8
Concen: 52.800 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 98 Resp: 1310438
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.975 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.005 min

Lab File: VN071880.D

Acq: 06 Apr 2022 15:31

Instrument :

MSVOA_N

ClientSampleId :

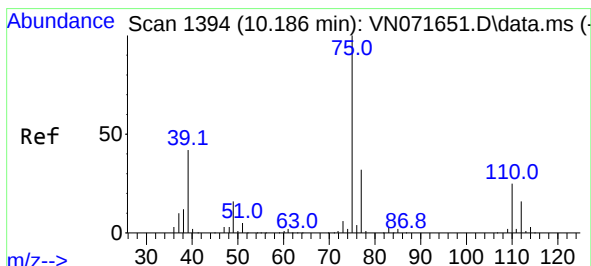
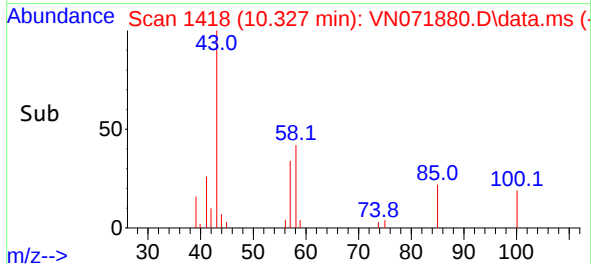
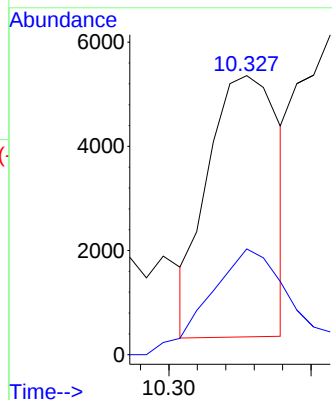
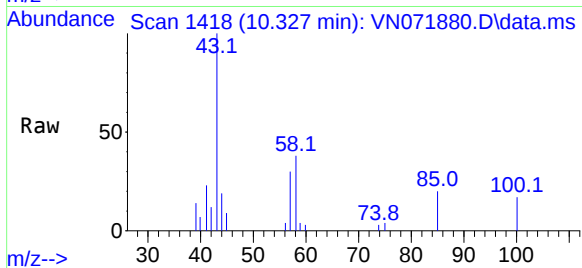
PB143897TB

Tgt Ion: 43 Resp: 8646

Ion Ratio Lower Upper

43 100

58 48.7 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 8.774 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071880.D

Acq: 06 Apr 2022 15:31

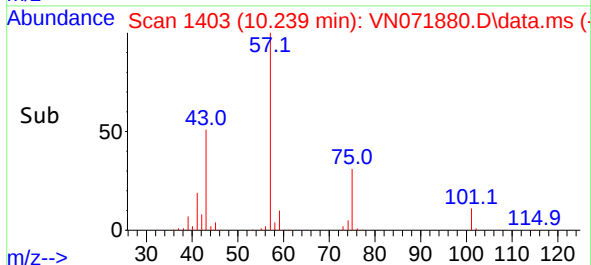
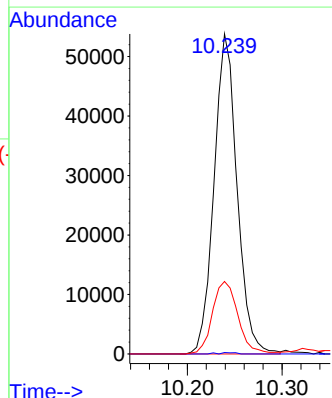
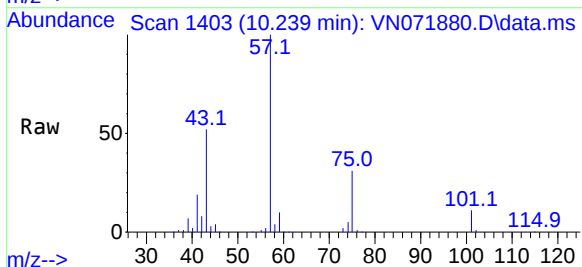
Tgt Ion: 75 Resp: 90796

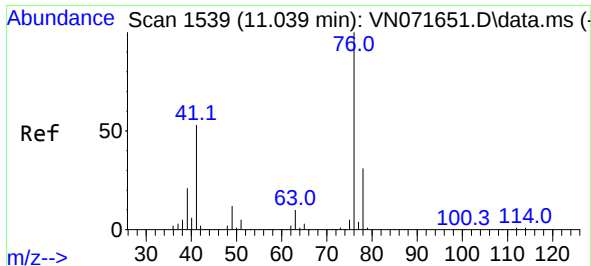
Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

39 22.7 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.066 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071880.D

Acq: 06 Apr 2022 15:31

Instrument :

MSVOA_N

ClientSampleId :

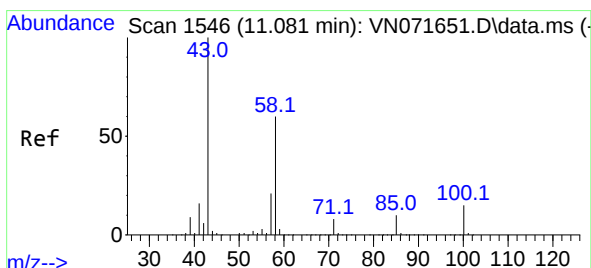
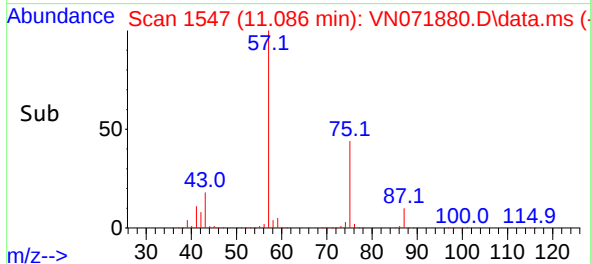
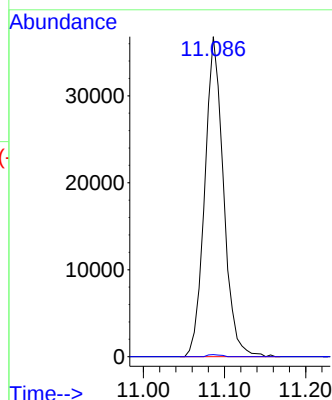
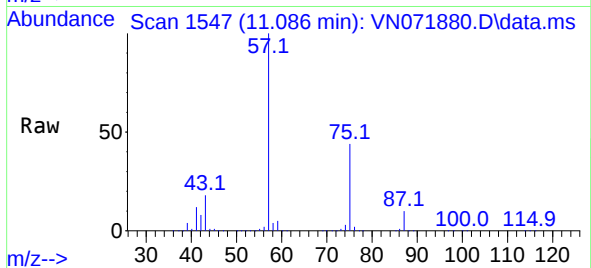
PB143897B

Tgt Ion: 76 Resp: 58977

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 114.721 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071880.D

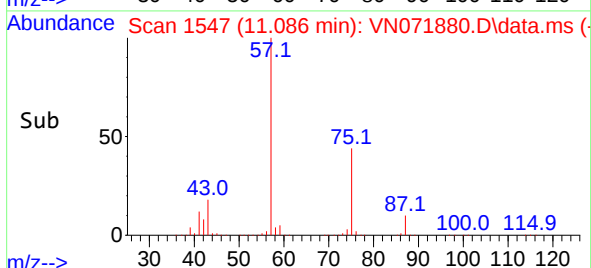
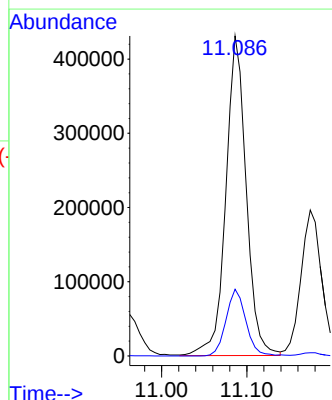
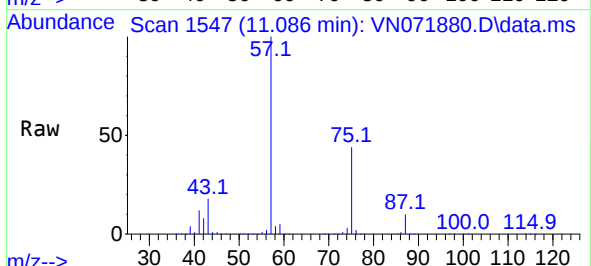
Acq: 06 Apr 2022 15:31

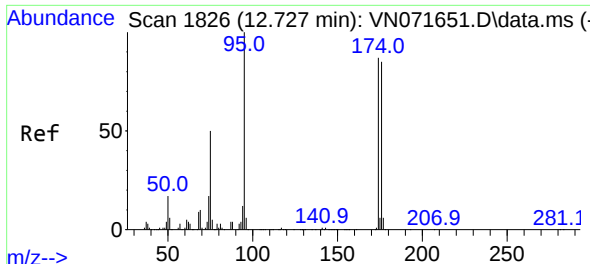
Tgt Ion: 43 Resp: 716276

Ion Ratio Lower Upper

43 100

58 20.4 29.7 89.1#

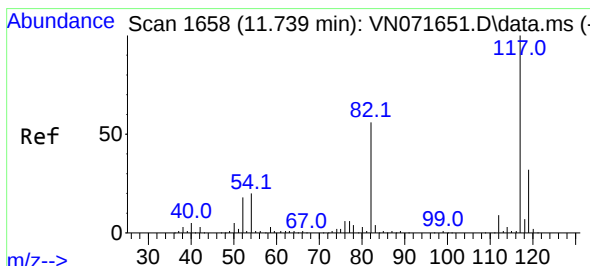
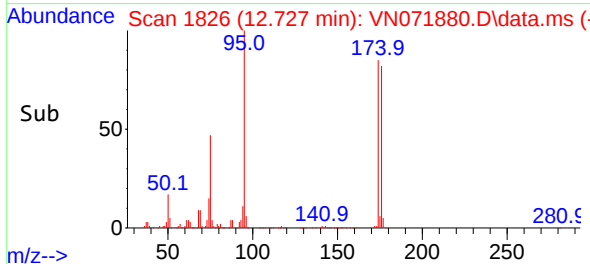
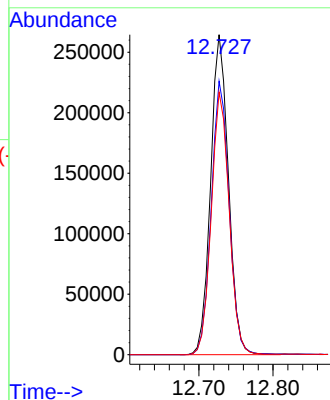
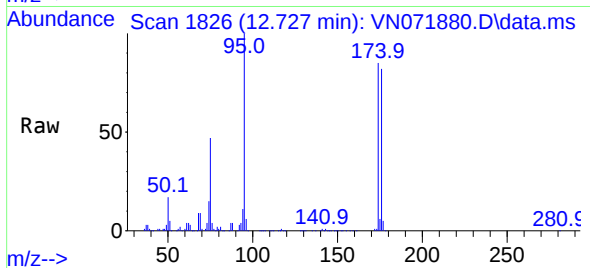




#62
4-Bromofluorobenzene
Concen: 55.113 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

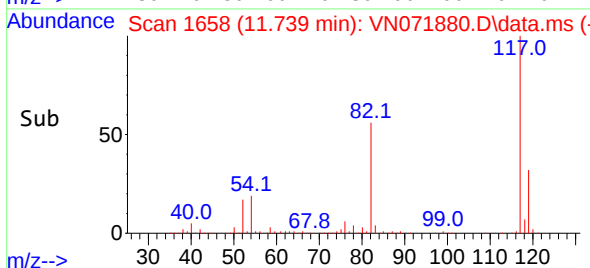
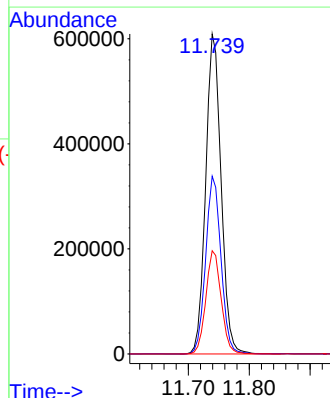
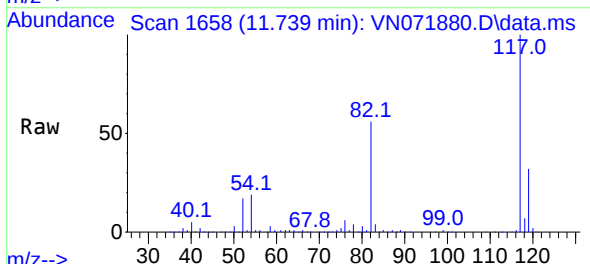
Instrument :
MSVOA_N
ClientSampleId :
PB143897TB

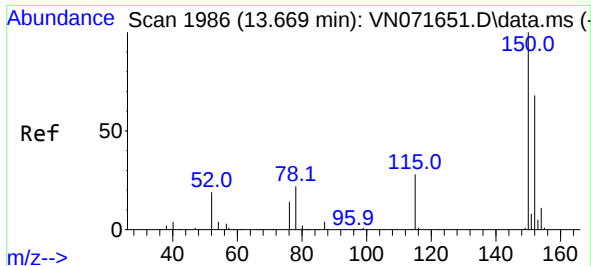
Tgt Ion: 95 Resp: 442380
Ion Ratio Lower Upper
95 100
174 85.7 0.0 167.6
176 82.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 117 Resp: 1069692
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.3 25.4 38.0

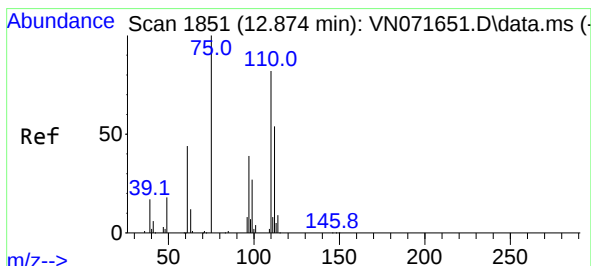
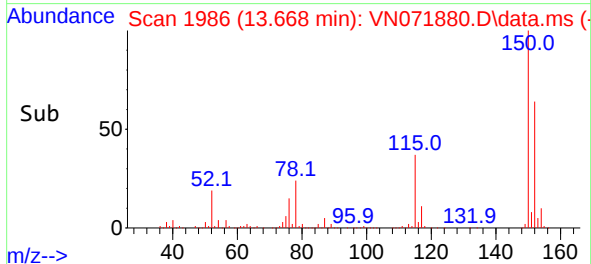
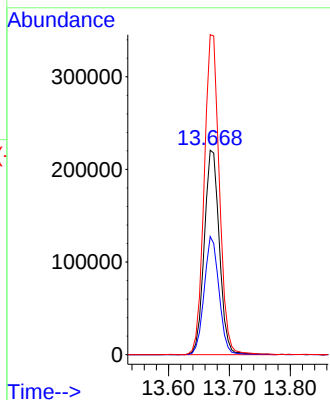
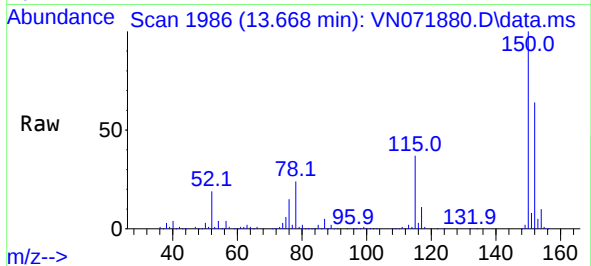




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

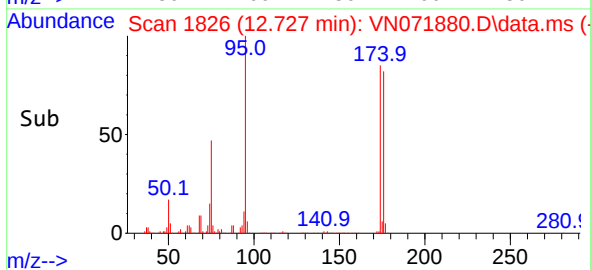
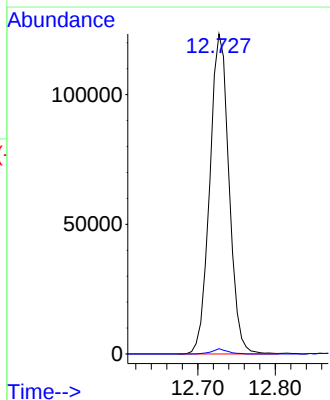
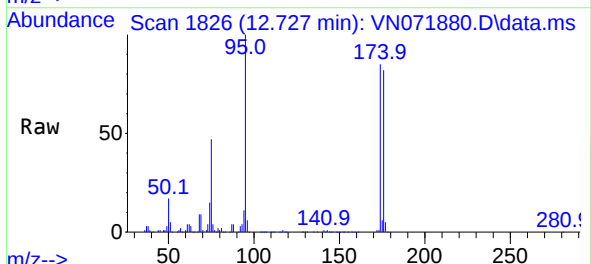
Instrument :
MSVOA_N
ClientSampleId :
PB143897TB

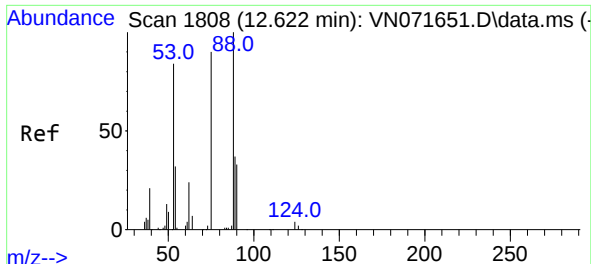
Tgt Ion:152 Resp: 381052
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 157.2 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 24.159 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 75 Resp: 213262
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

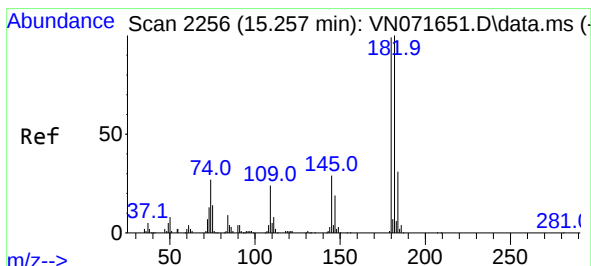
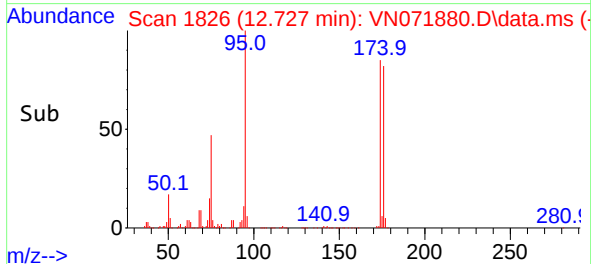
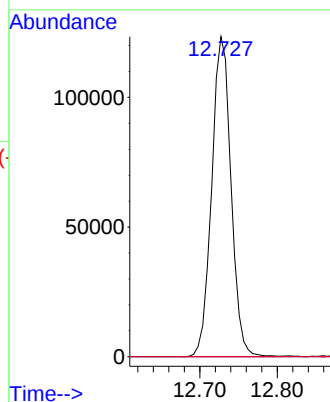
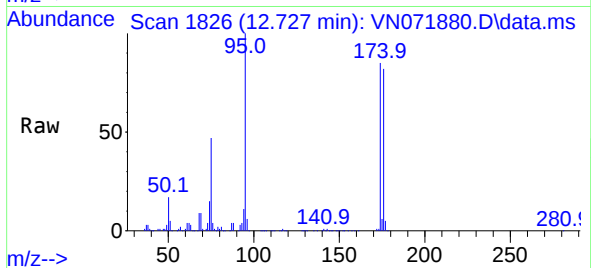




#81
trans-1,4-Dichloro-2-butene
Concen: 74.869 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

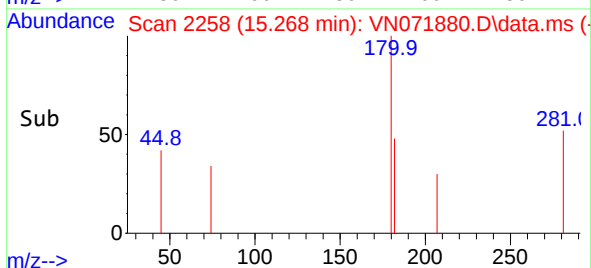
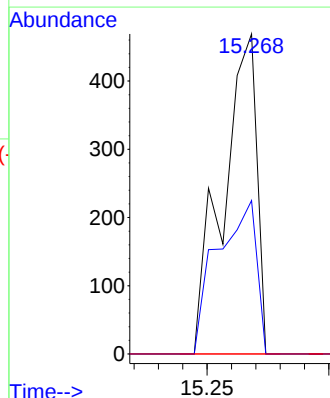
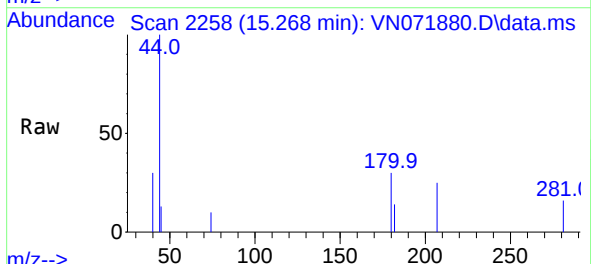
Instrument :
MSVOA_N
ClientSampleId :
PB143897TB

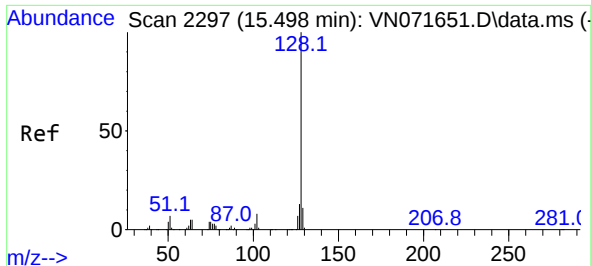
Tgt Ion: 75 Resp: 213262
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.157 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.011 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion: 180 Resp: 452
Ion Ratio Lower Upper
180 100
182 55.8 47.5 142.5
145 0.0 14.5 43.5#

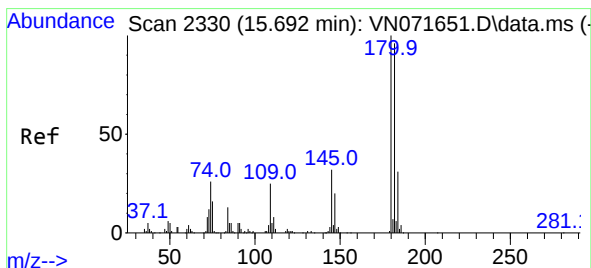
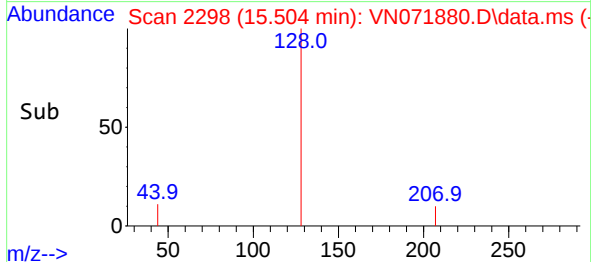
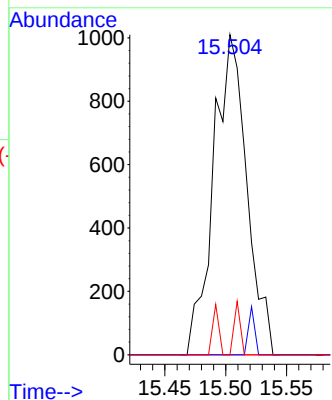
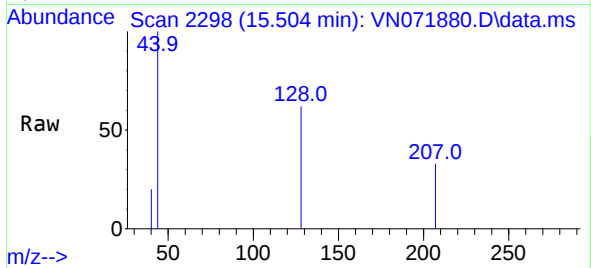




#95
Naphthalene
Concen: 3.905 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Instrument :
MSVOA_N
ClientSampleId :
PB143897TB

Tgt Ion:	128	Resp:	1922
Ion	Ratio	Lower	Upper
128	100		
127	2.8	10.3	15.5#
129	3.1	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.494 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071880.D
Acq: 06 Apr 2022 15:31

Tgt Ion:	180	Resp:	492
Ion	Ratio	Lower	Upper
180	100		
182	66.7	47.8	143.3
145	22.8	15.5	46.5

