

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072111.D
 Acq On : 21 Apr 2022 05:31
 Operator : JC\MD
 Sample : N2482-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 07:16:07 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)

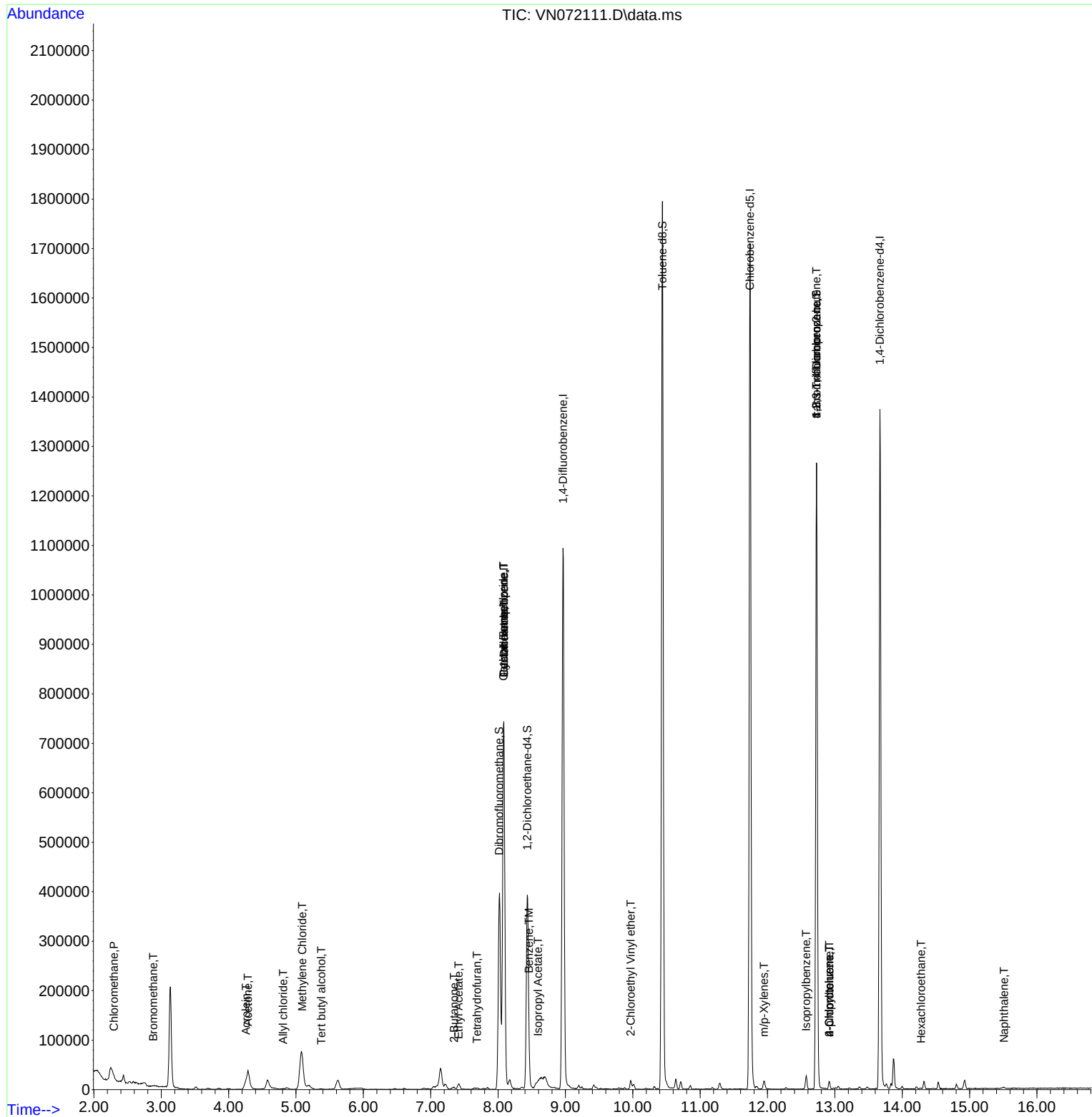
Internal Standards						
1) Pentafluorobenzene	8.086	168	619953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1052668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1100198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	417240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	329191	46.512	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.020%
35) Dibromofluoromethane	8.016	113	297263	47.989	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.980%
50) Toluene-d8	10.439	98	1314259	51.866	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.740%
62) 4-Bromofluorobenzene	12.727	95	449955	54.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1769	0.283	ug/l #	83
5) Bromomethane	2.881	94	1357	0.304	ug/l #	67
11) Tert butyl alcohol	5.375	59	1454	1.266	ug/l #	72
13) Acrolein	4.257	56	4394	3.138	ug/l	84
14) Allyl chloride	4.810	41	1910	0.230	ug/l #	24
16) Acetone	4.287	43	64156	21.211	ug/l	97
18) Methyl Acetate	4.857	43	6005	Below Cal		94
20) Methylene Chloride	5.092	84	2789	0.437	ug/l #	18
25) 2-Butanone	7.345	43	5920	1.358	ug/l #	89
29) Tetrahydrofuran	7.686	42	656	0.232	ug/l #	82
31) Cyclohexane	8.086	56	21521	2.236	ug/l #	17
36) 1,1-Dichloropropene	8.086	75	40778	4.714	ug/l #	49
37) Ethyl Acetate	7.416	43	17406	1.838	ug/l	96
38) Carbon Tetrachloride	8.080	117	54080	6.379	ug/l #	15
40) Benzene	8.457	78	7346	0.269	ug/l #	89
43) Isopropyl Acetate	8.592	43	14256	0.905	ug/l #	53
58) 2-Chloroethyl Vinyl ether	9.969	63	225	17.034	ug/l #	44
68) m/p-Xylenes	11.945	106	6409	0.447	ug/l	92
73) Isopropylbenzene	12.574	105	18829	0.536	ug/l	99
76) 1,2,3-Trichloropropane	12.727	75	215633	22.309	ug/l #	1
78) n-propylbenzene	12.915	91	12884	0.348	ug/l	99
79) 2-Chlorotoluene	12.915	91	12884	0.543	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.727	75	215633	69.135	ug/l #	10
82) 4-Chlorotoluene	12.915	91	12884	0.586	ug/l #	40
90) Hexachloroethane	14.280	117	1036	0.215	ug/l #	9
95) Naphthalene	15.509	128	3939	3.994	ug/l #	88

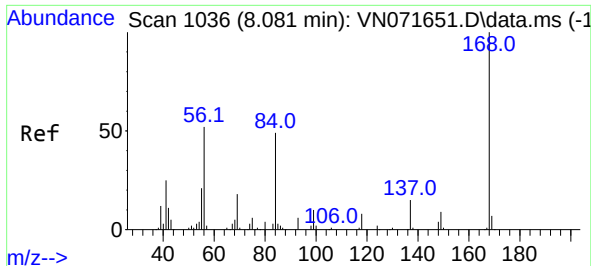
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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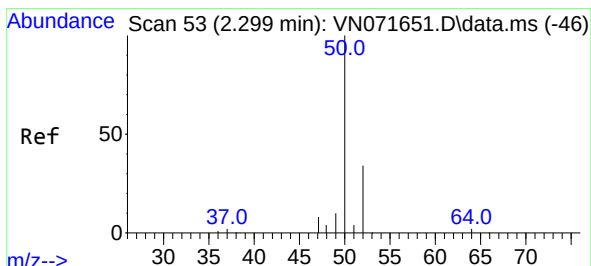
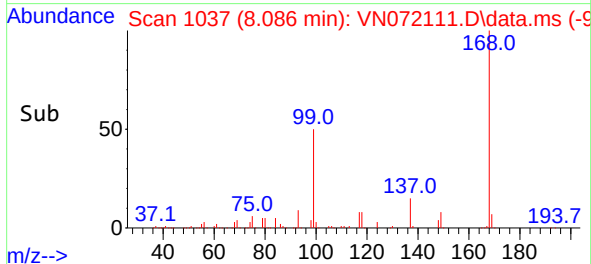
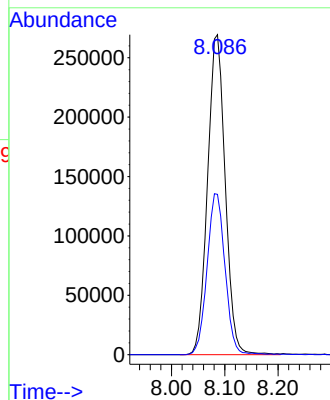
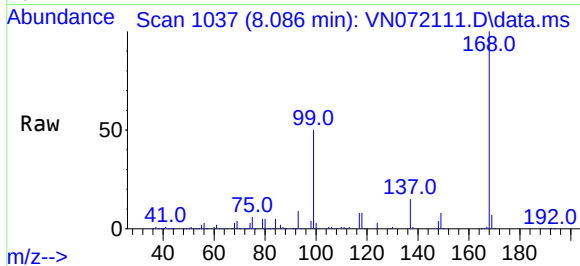




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

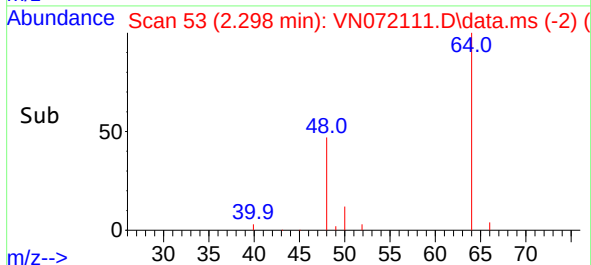
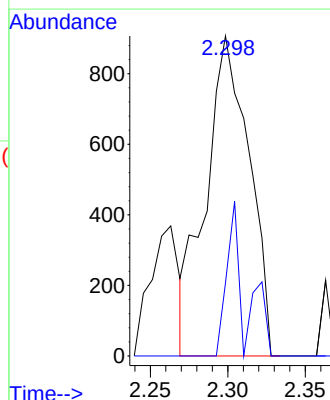
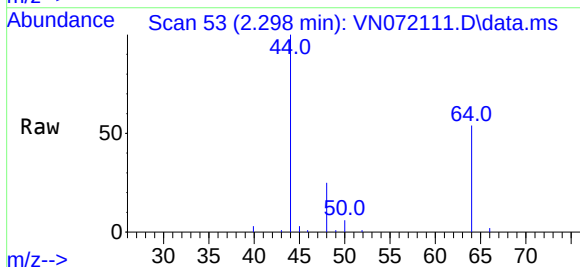
Instrument :
MSVOA_N
ClientSampleId :

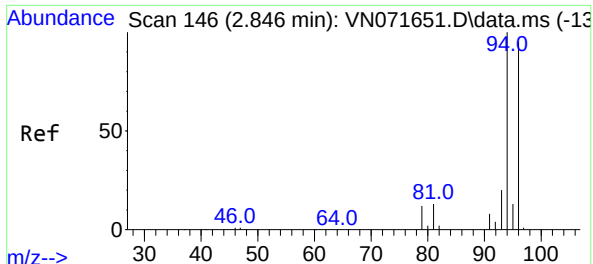
Tgt Ion:168 Resp: 619953
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 50 Resp: 1769
Ion Ratio Lower Upper
50 100
52 22.8 25.7 38.5#

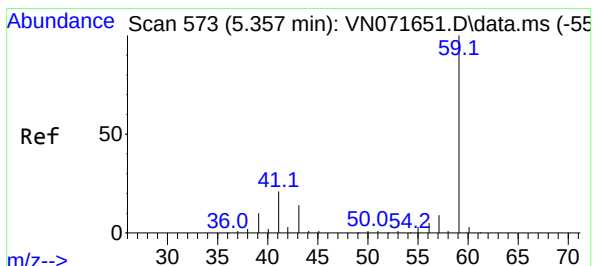
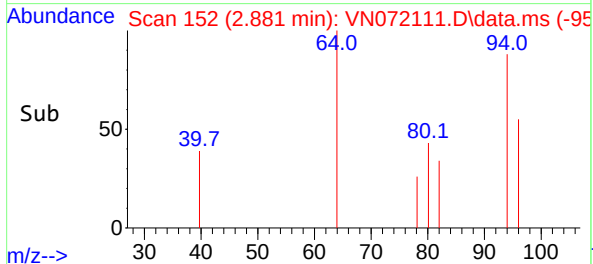
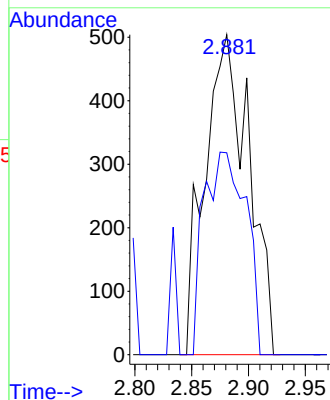
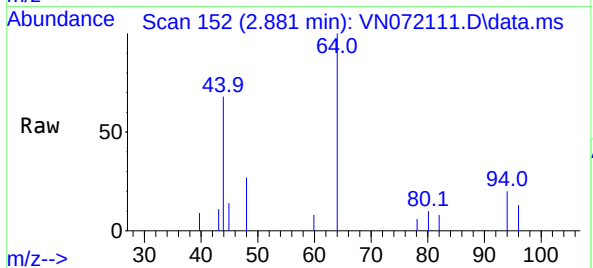




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

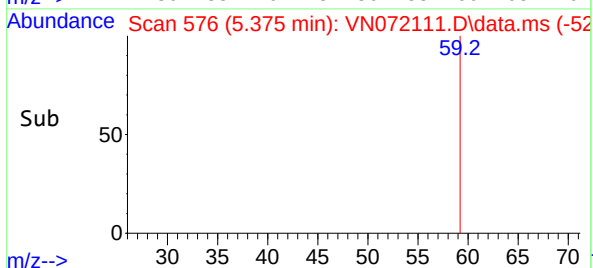
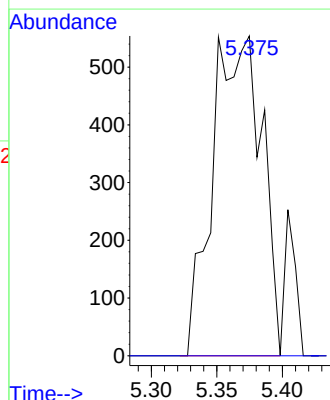
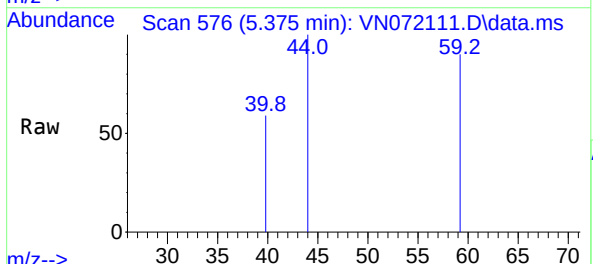
Instrument :
MSVOA_N
ClientSampleId :

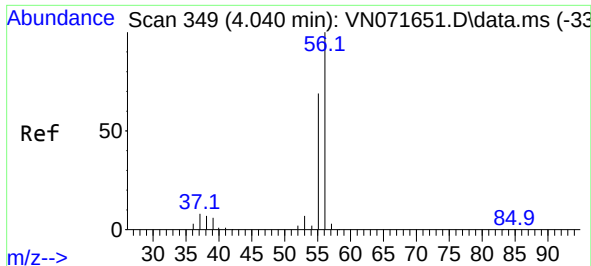
Tgt Ion: 94 Resp: 1357
Ion Ratio Lower Upper
94 100
96 63.1 76.0 114.0#



#11
Tert butyl alcohol
Concen: 1.266 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.018 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

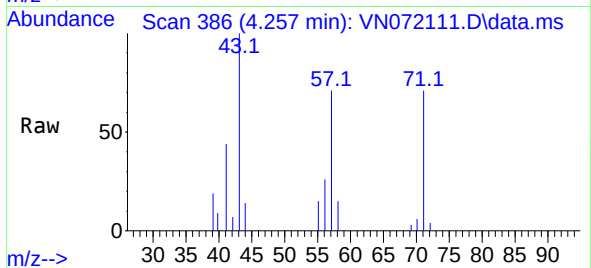
Tgt Ion: 59 Resp: 1454
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



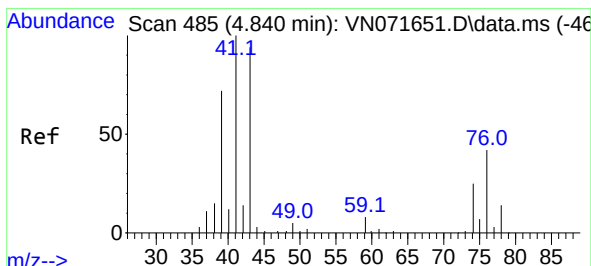
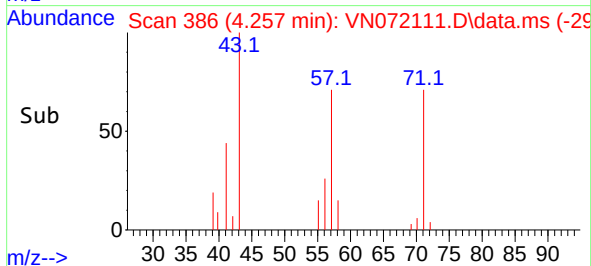
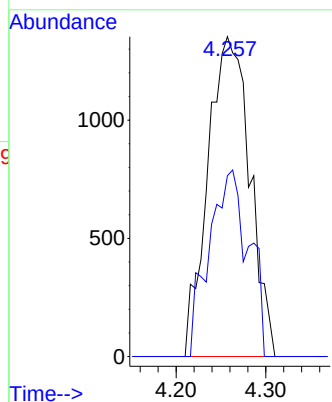


#13
Acrolein
Concen: 3.138 ug/l
RT: 4.257 min Scan# 31
Delta R.T. 0.217 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Instrument :
MSVOA_N
ClientSampleId :

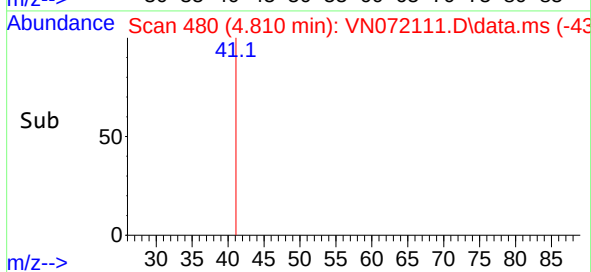
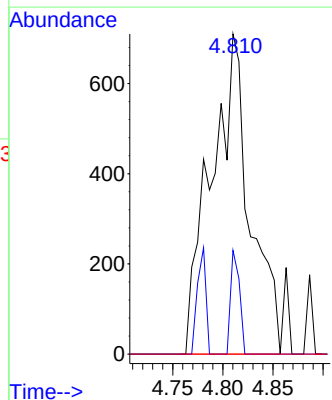
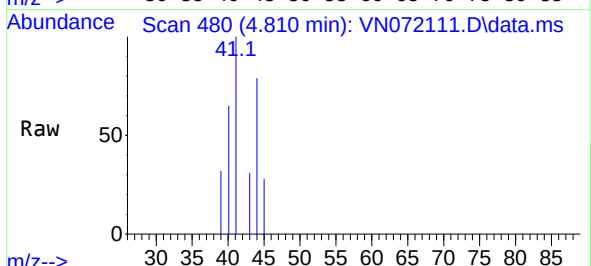


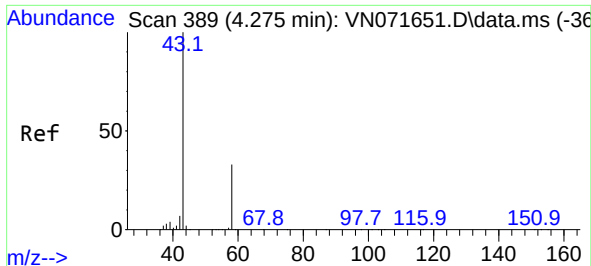
Tgt Ion: 56 Resp: 4394
Ion Ratio Lower Upper
56 100
55 55.2 54.8 82.2



#14
Allyl chloride
Concen: 0.230 ug/l
RT: 4.810 min Scan# 480
Delta R.T. -0.030 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 41 Resp: 1910
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

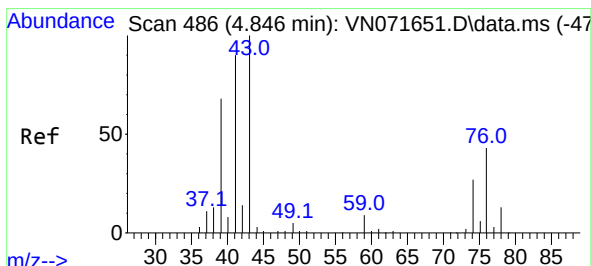
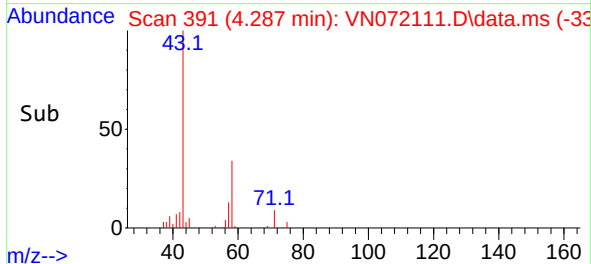
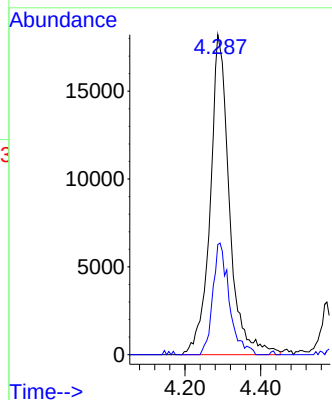
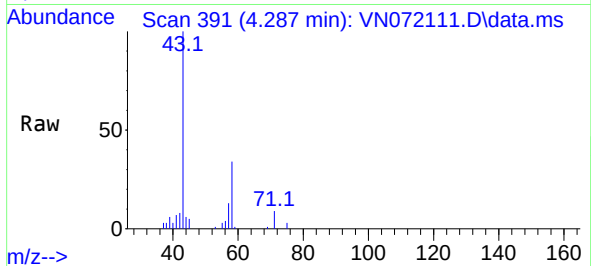




#16
Acetone
Concen: 21.211 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

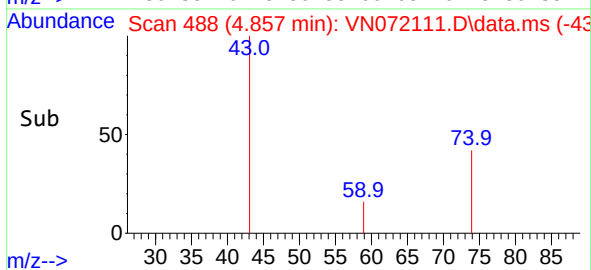
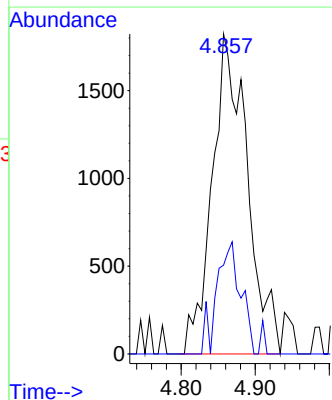
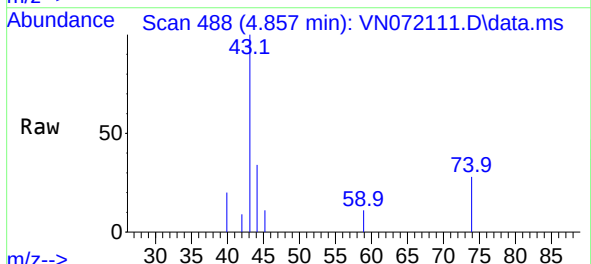
Instrument :
MSVOA_N
ClientSampleId :

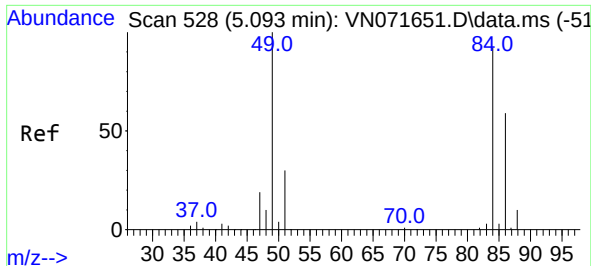
Tgt Ion: 43 Resp: 64156
Ion Ratio Lower Upper
43 100
58 34.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

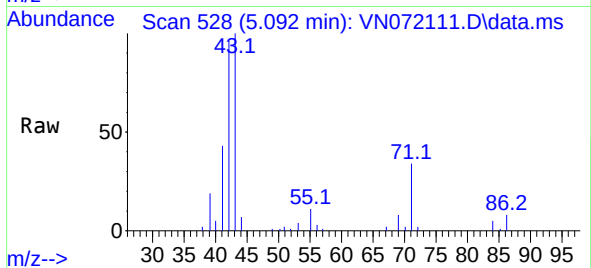
Tgt Ion: 43 Resp: 6005
Ion Ratio Lower Upper
43 100
74 23.8 21.6 32.4





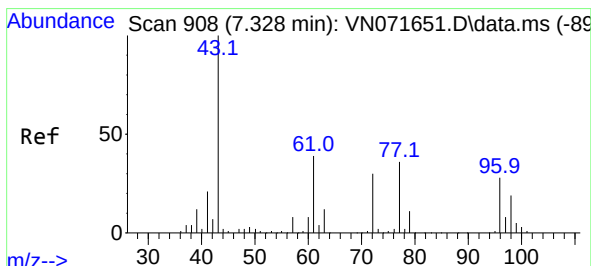
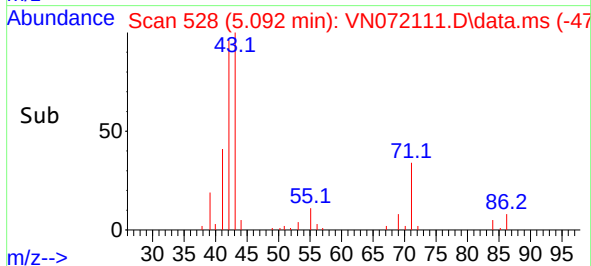
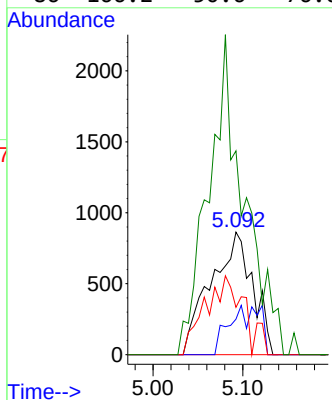
#20
Methylene Chloride
Concen: 0.437 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2789

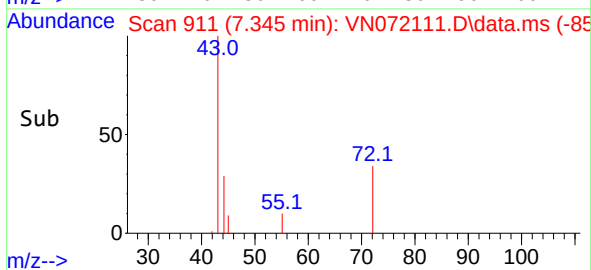
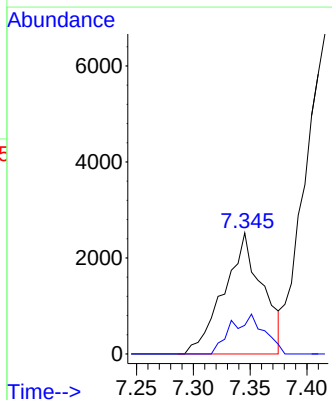
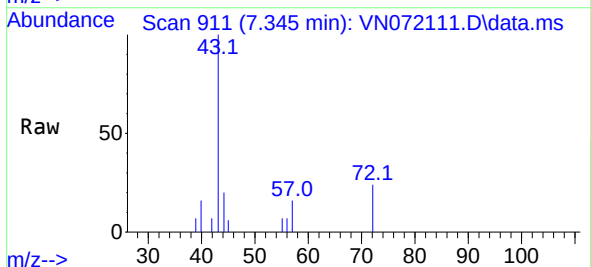
Ion	Ratio	Lower	Upper
84	100		
49	28.9	88.3	132.5#
51	38.5	28.2	42.2
86	166.2	50.6	76.0#

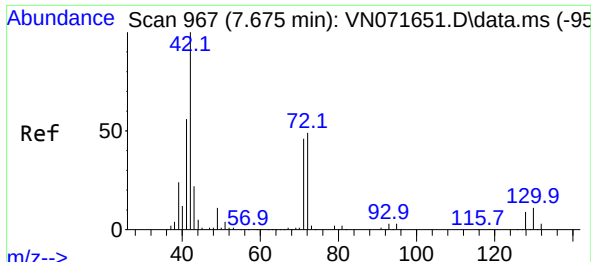


#25
2-Butanone
Concen: 1.358 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 43 Resp: 5920

Ion	Ratio	Lower	Upper
43	100		
72	23.6	23.7	35.5#

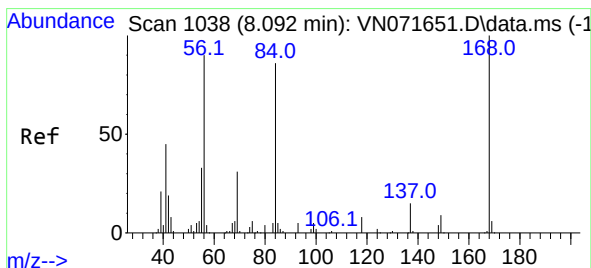
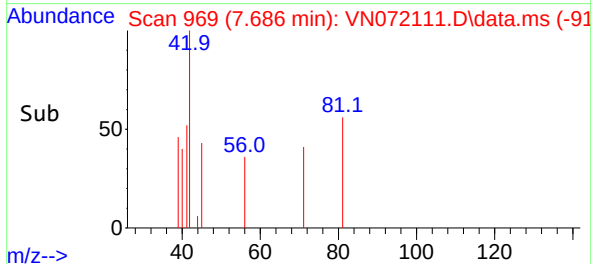
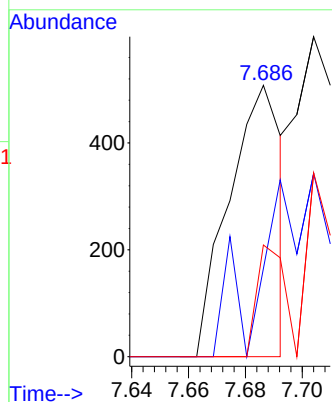
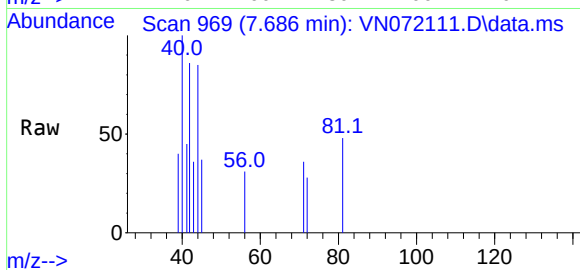




#29
Tetrahydrofuran
Concen: 0.232 ug/l
RT: 7.686 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

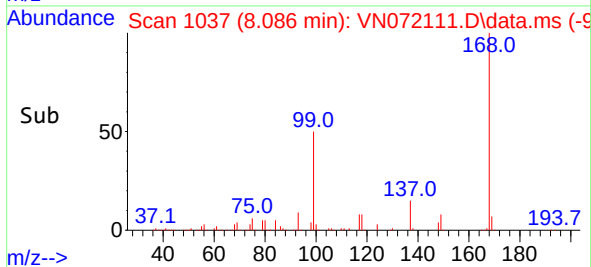
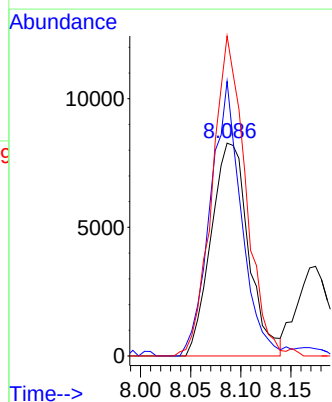
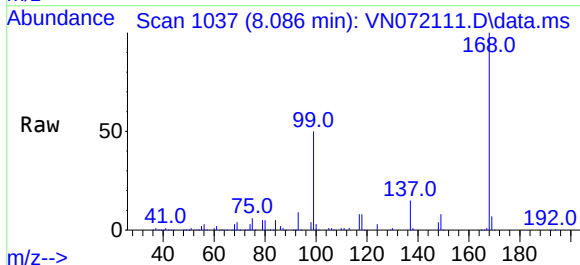
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MSVOA_N
ClientSampleId :

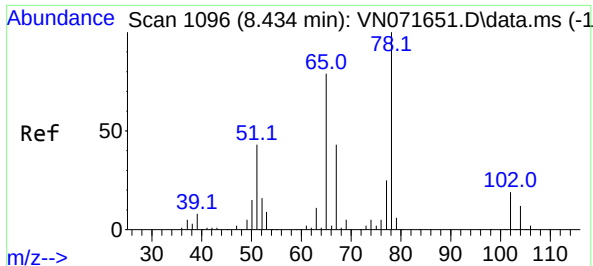
Tgt Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
72 49.1 39.7 59.5
71 21.2 36.6 55.0#



#31
Cyclohexane
Concen: 2.236 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 56 Resp: 21521
Ion Ratio Lower Upper
56 100
69 129.0 27.8 41.8#
84 148.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.512 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072111.D

Acq: 21 Apr 2022 05:31

Instrument :

MSVOA_N

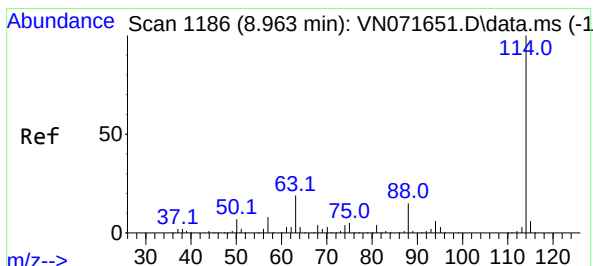
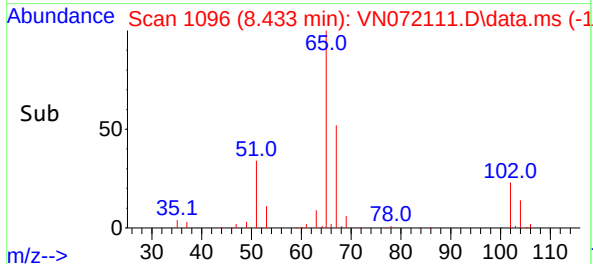
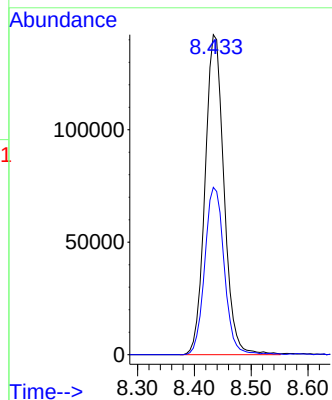
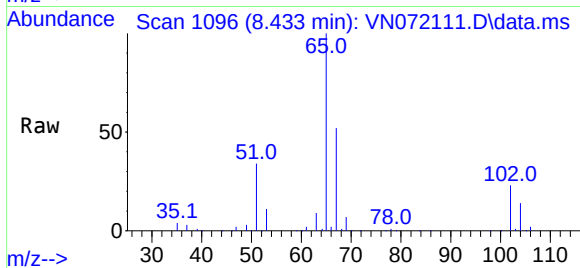
ClientSampleId :

Tgt Ion: 65 Resp: 329191

Ion Ratio Lower Upper

65 100

67 53.6 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: VN072111.D

Acq: 21 Apr 2022 05:31

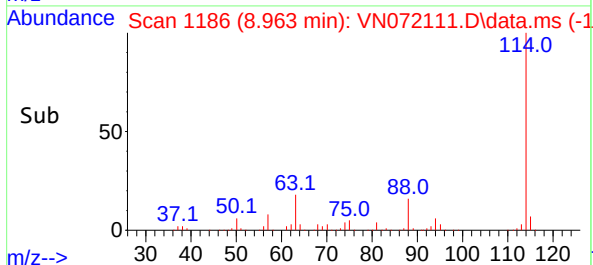
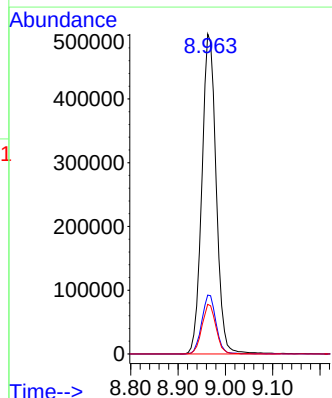
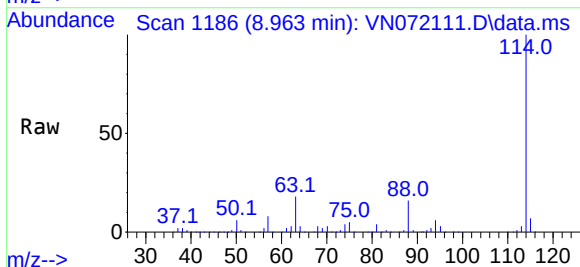
Tgt Ion: 114 Resp: 1052668

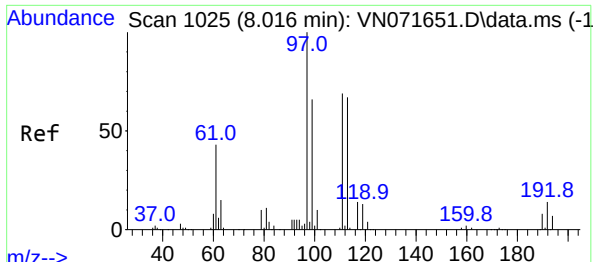
Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.0

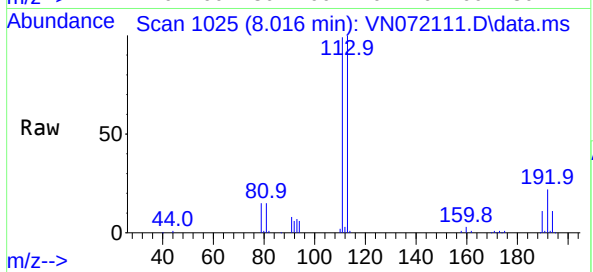
88 15.5 0.0 32.6



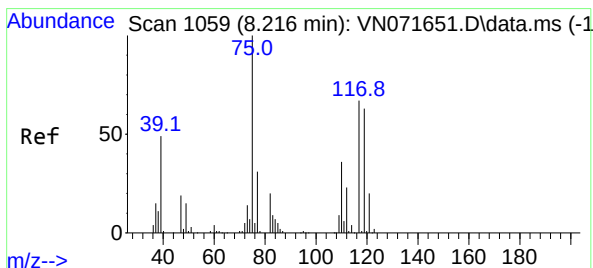
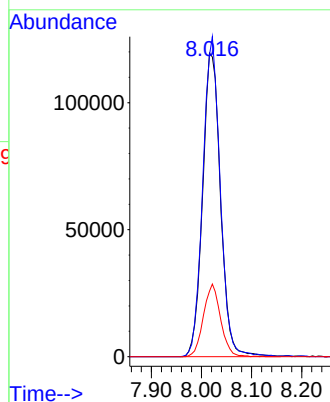
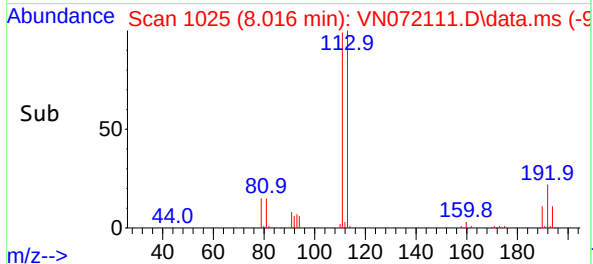


#35
Dibromofluoromethane
Concen: 47.989 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Instrument :
MSVOA_N
ClientSampleId :

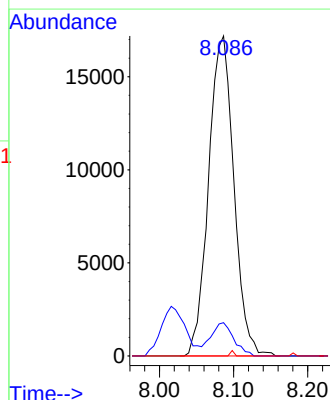
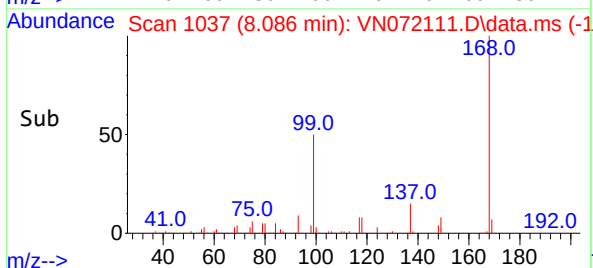
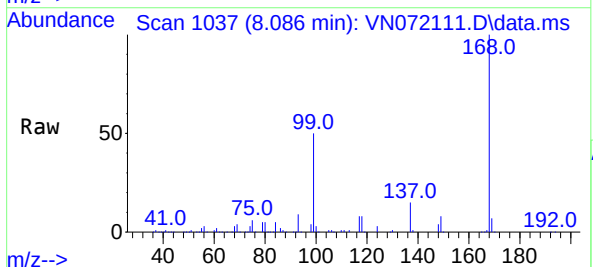


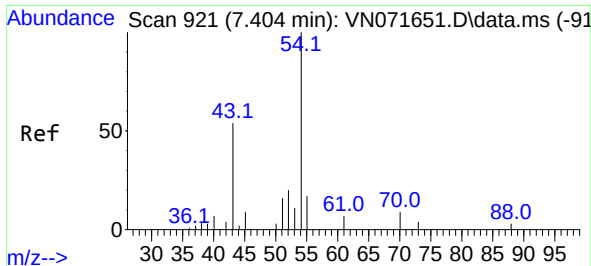
Tgt Ion:113 Resp: 297263
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 22.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

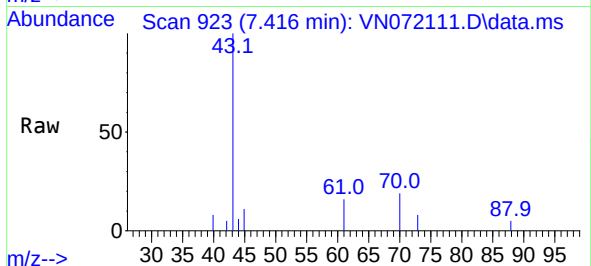
Tgt Ion: 75 Resp: 40778
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.3 25.1 37.7#



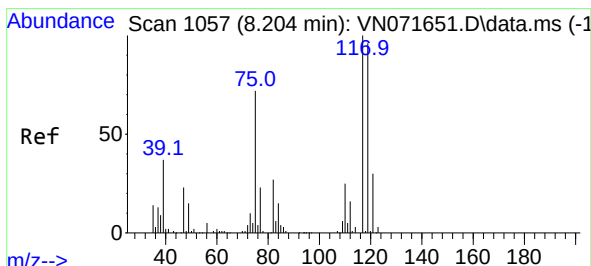
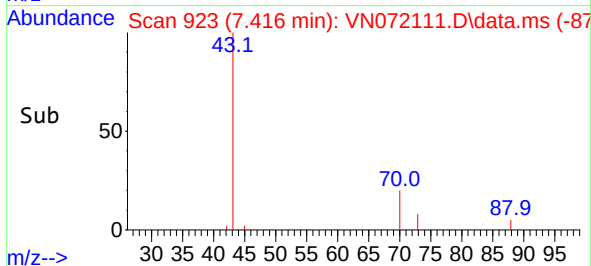
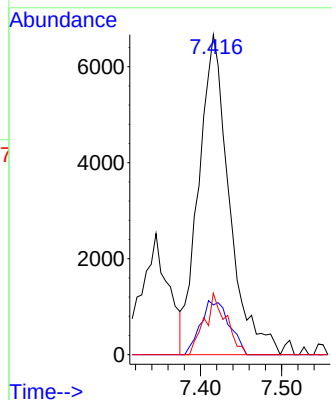


#37
Ethyl Acetate
Concen: 1.838 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Instrument :
MSVOA_N
ClientSampleId :

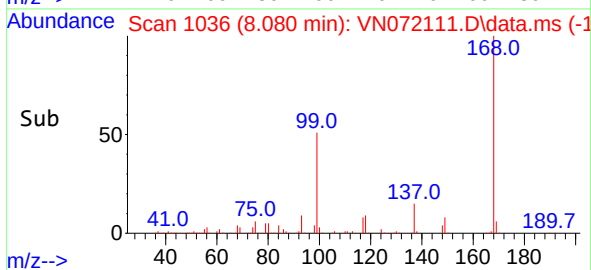
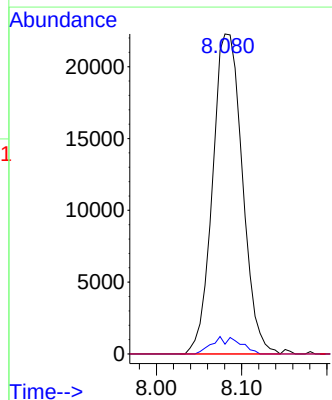
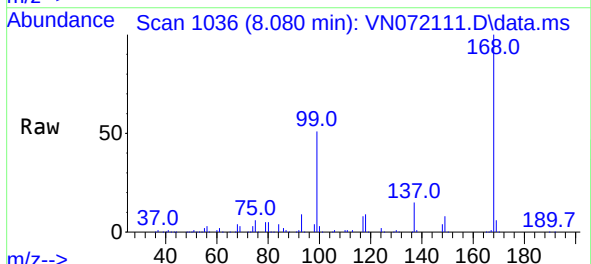


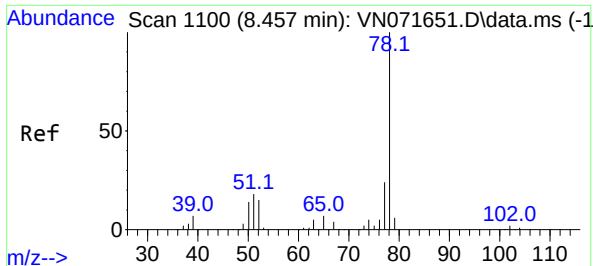
Tgt Ion: 43 Resp: 17406
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 13.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 117 Resp: 54080
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.8#
121 0.0 24.6 37.0#

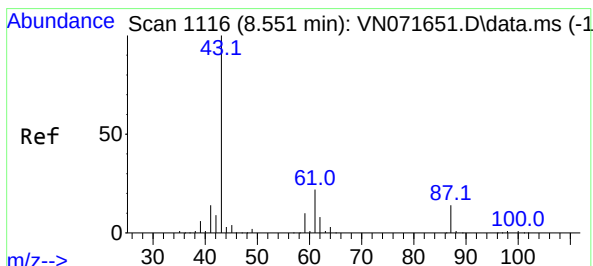
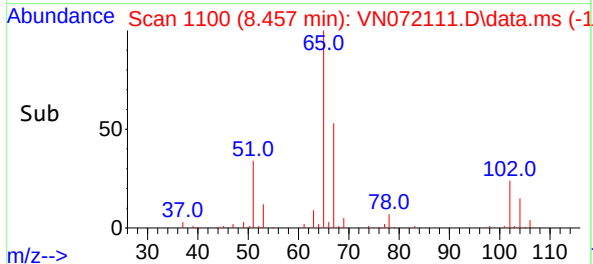
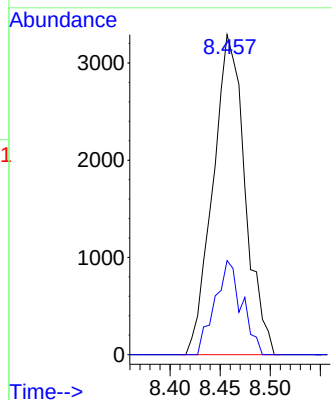
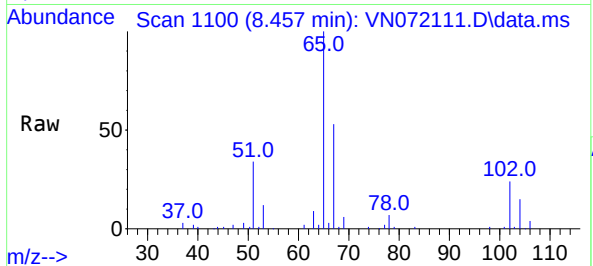




#40
Benzene
Concen: 0.269 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

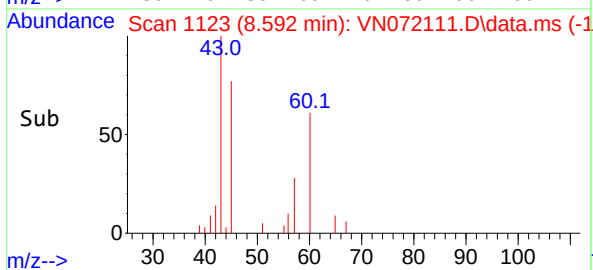
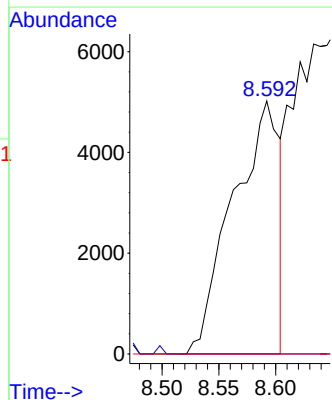
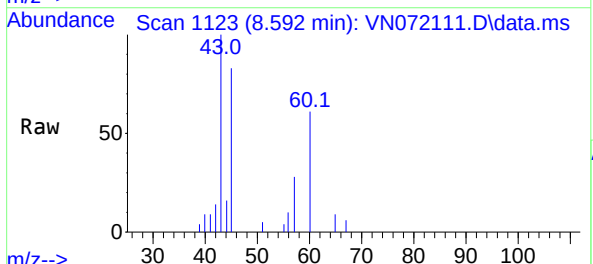
Instrument :
MSVOA_N
ClientSampleId :

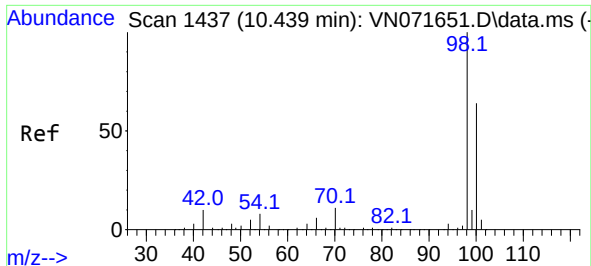
Tgt Ion: 78 Resp: 7346
Ion Ratio Lower Upper
78 100
77 29.4 19.4 29.0#



#43
Isopropyl Acetate
Concen: 0.905 ug/l
RT: 8.592 min Scan# 1123
Delta R.T. 0.041 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 43 Resp: 14256
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

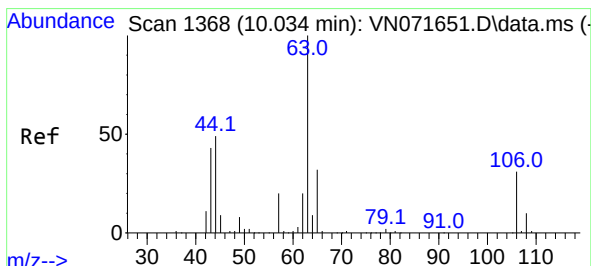
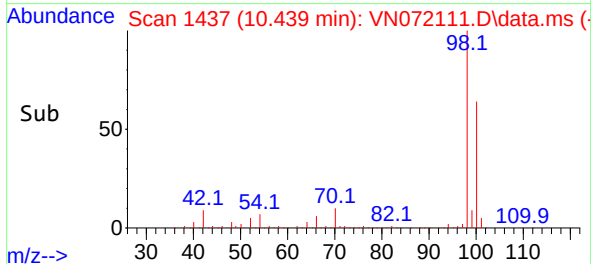
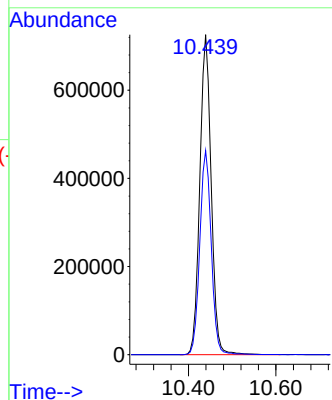
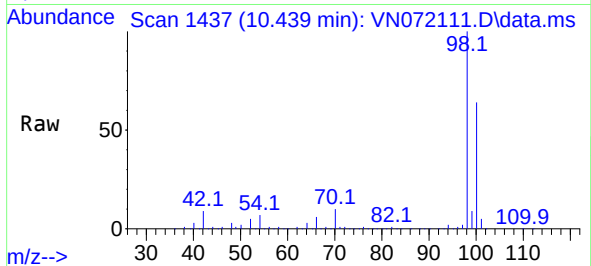




#50
Toluene-d8
Concen: 51.866 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

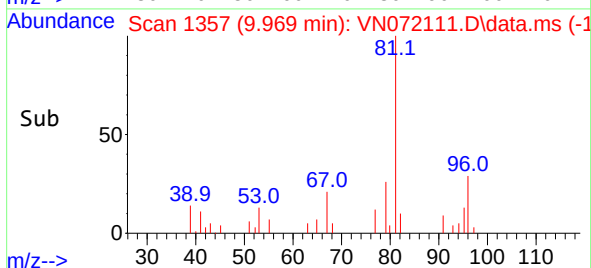
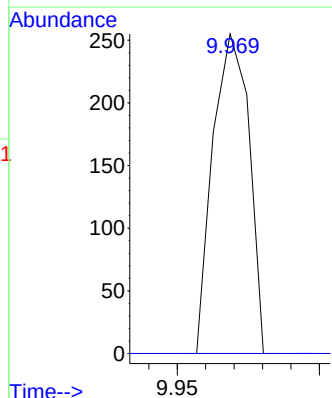
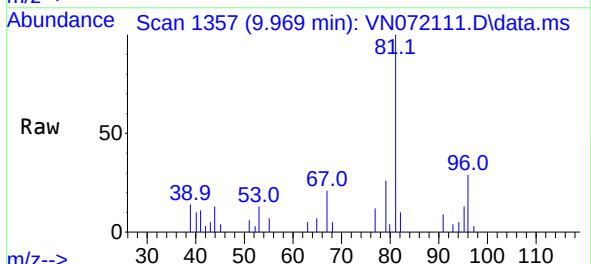
Instrument :
MSVOA_N
ClientSampleId :

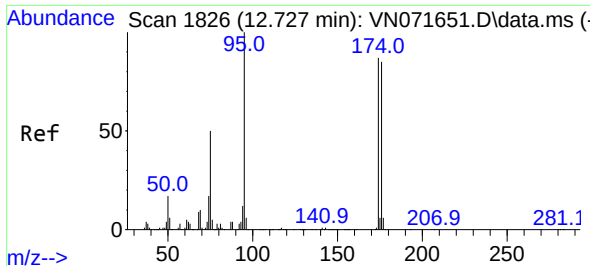
Tgt Ion: 98 Resp: 1314259
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 17.034 ug/l
RT: 9.969 min Scan# 1357
Delta R.T. -0.065 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 63 Resp: 225
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

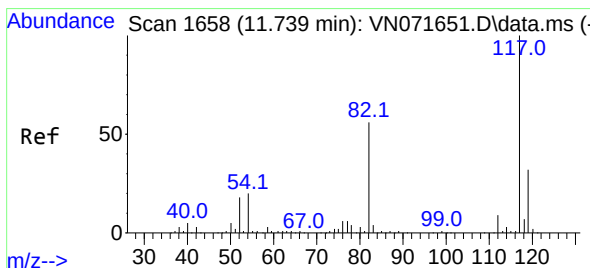
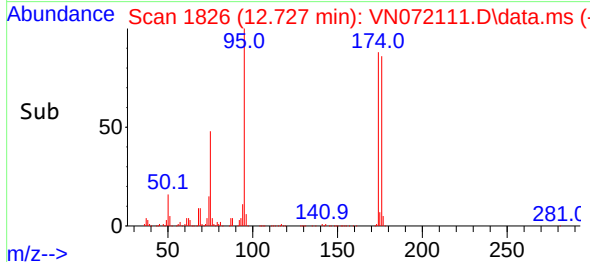
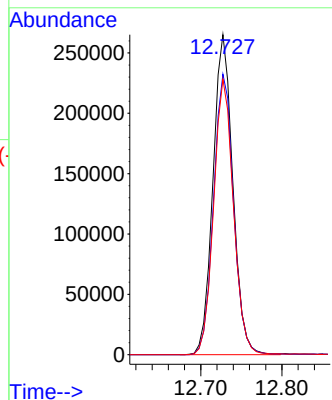
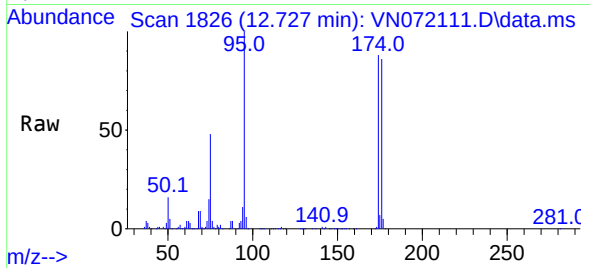




#62
4-Bromofluorobenzene
Concen: 54.904 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

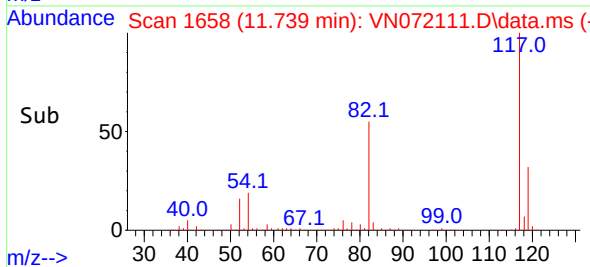
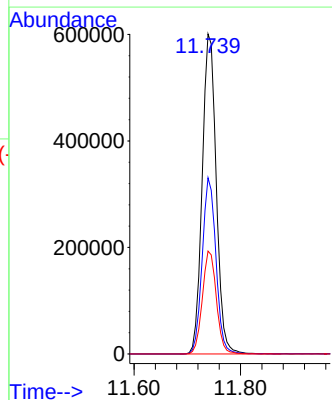
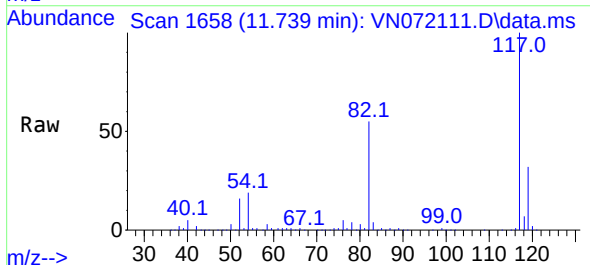
Instrument :
MSVOA_N
ClientSampleId :

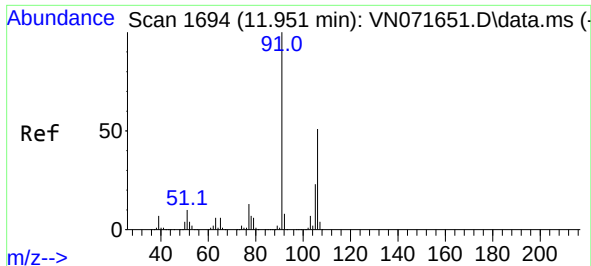
Tgt Ion: 95 Resp: 449955
Ion Ratio Lower Upper
95 100
174 88.6 0.0 167.6
176 86.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 117 Resp: 1100198
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.2 25.4 38.0

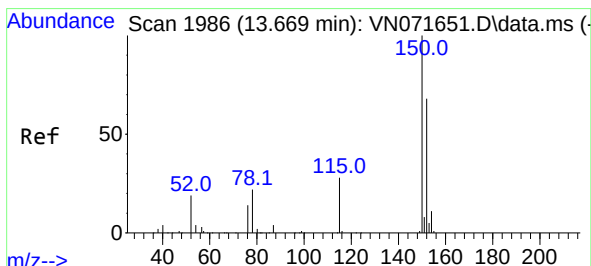
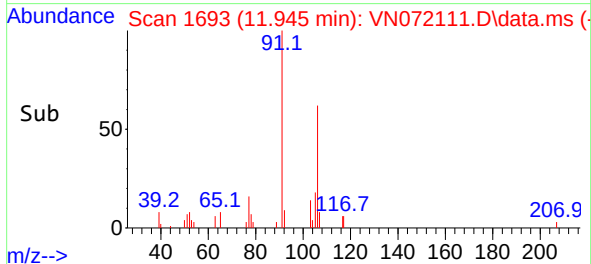
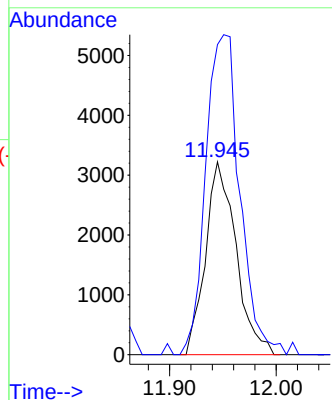
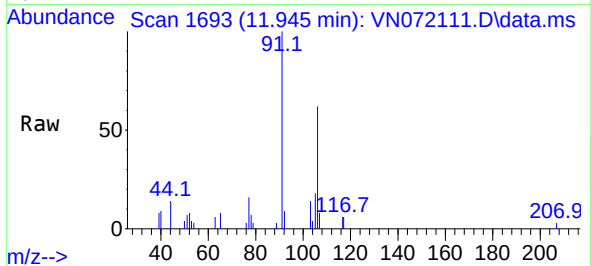




#68
m/p-Xylenes
Concen: 0.447 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

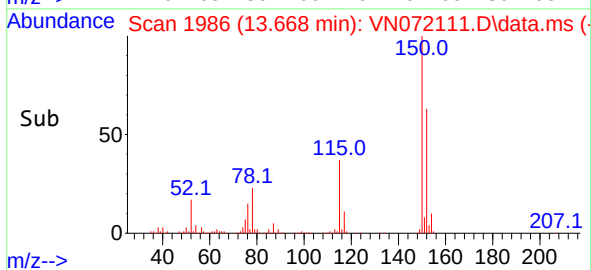
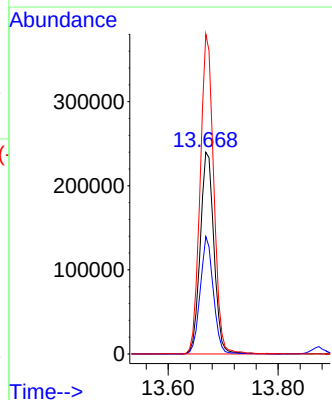
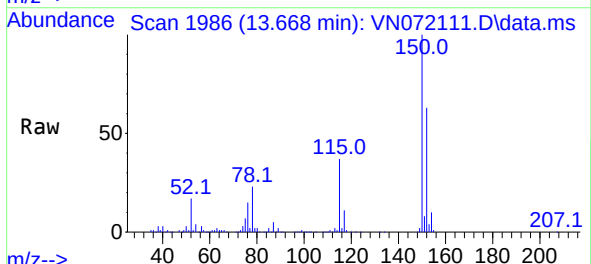
Instrument :
MSVOA_N
ClientSampleId :

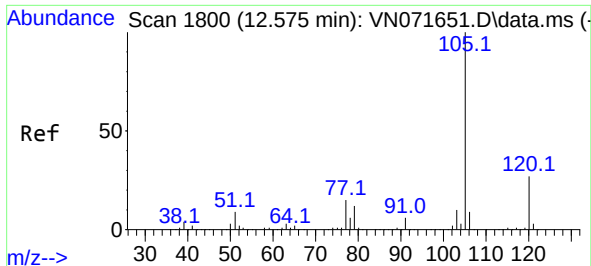
Tgt Ion:106 Resp: 6409
Ion Ratio Lower Upper
106 100
91 186.6 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion:152 Resp: 417240
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 156.3 0.0 356.2

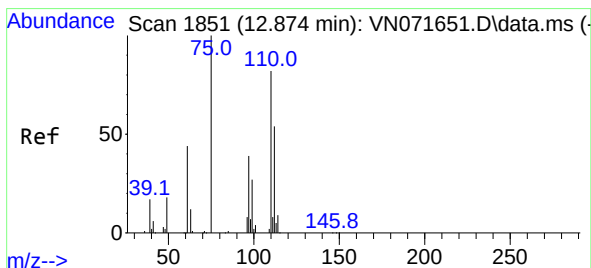
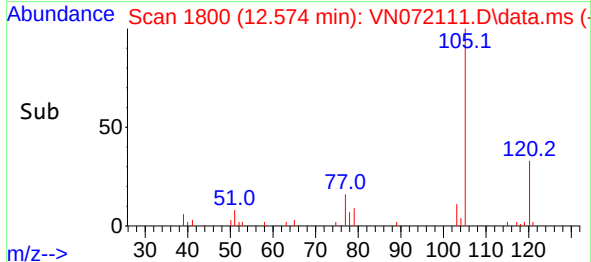
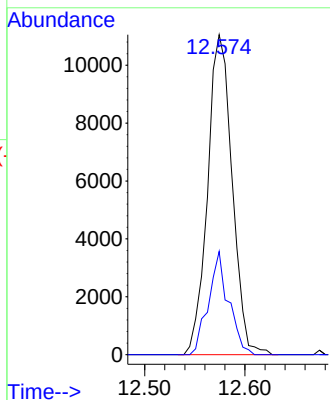
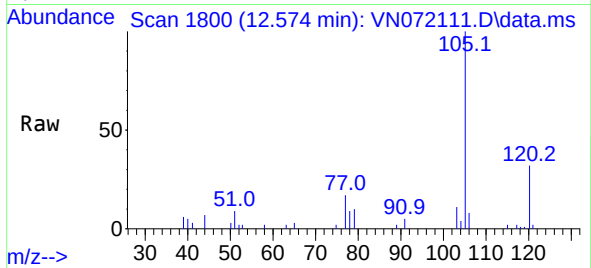




#73
Isopropylbenzene
Concen: 0.536 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

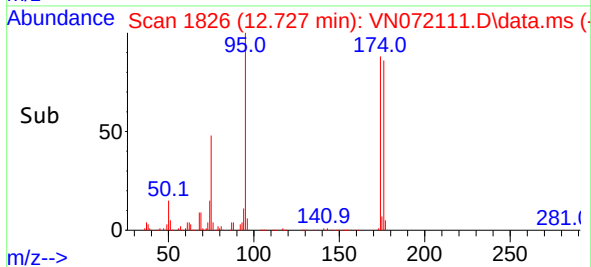
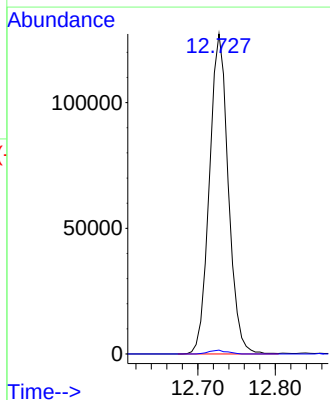
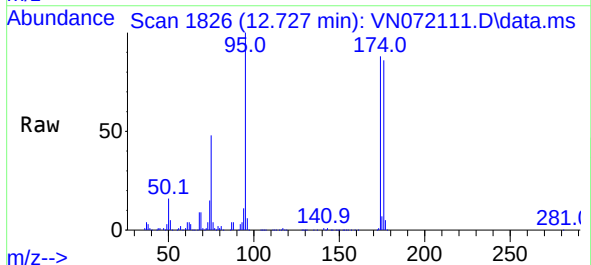
Instrument :
MSVOA_N
ClientSampleId :

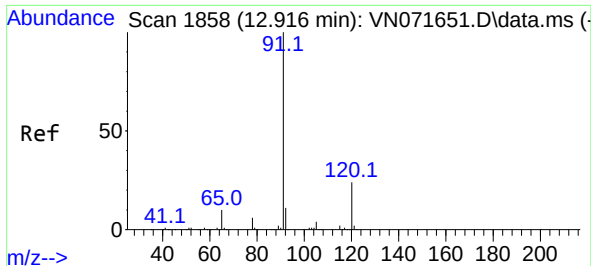
Tgt Ion:105 Resp: 18829
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 22.309 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion: 75 Resp: 215633
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

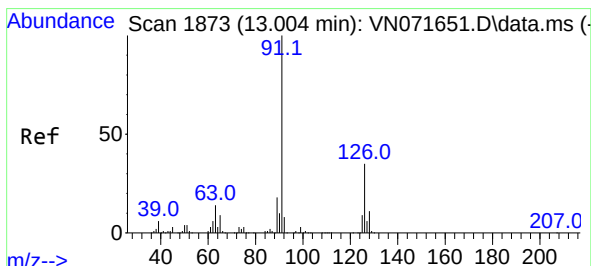
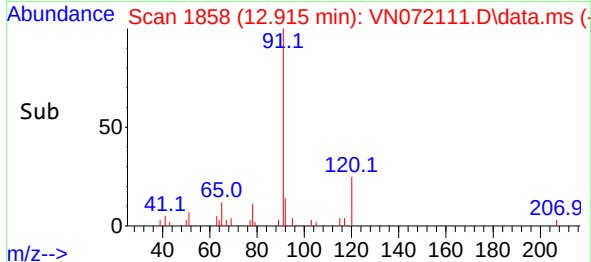
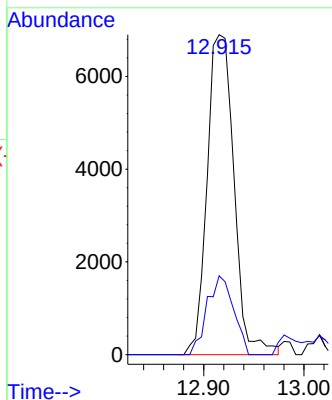
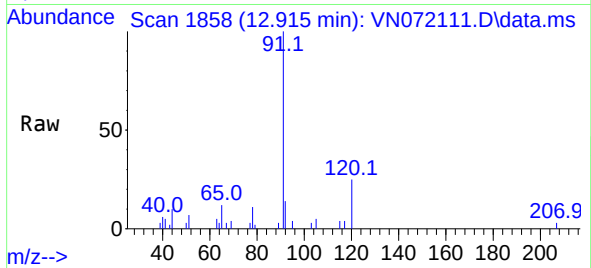




#78
n-propylbenzene
Concen: 0.348 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

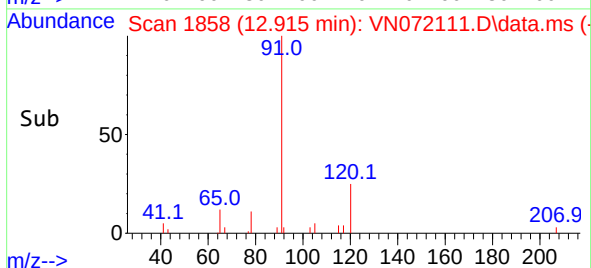
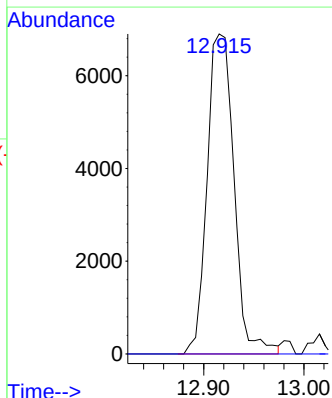
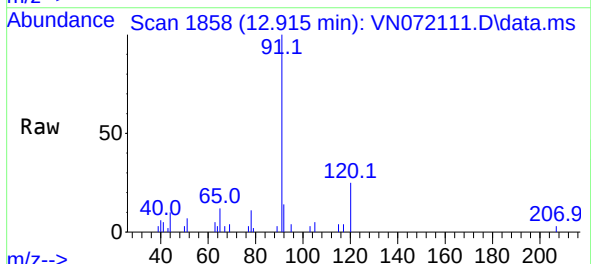
Instrument :
MSVOA_N
ClientSampleId :

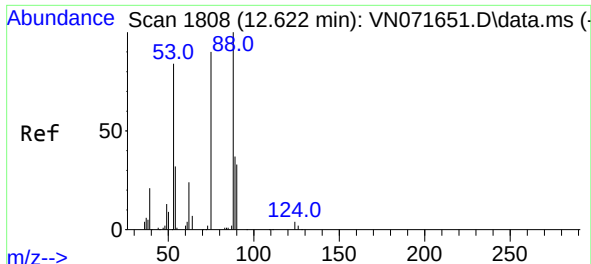
Tgt Ion: 91 Resp: 12884
Ion Ratio Lower Upper
91 100
120 24.1 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.543 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.089 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

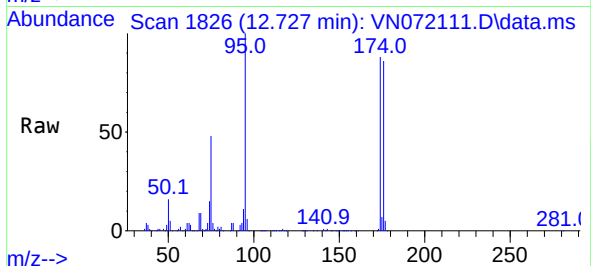
Tgt Ion: 91 Resp: 12884
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#



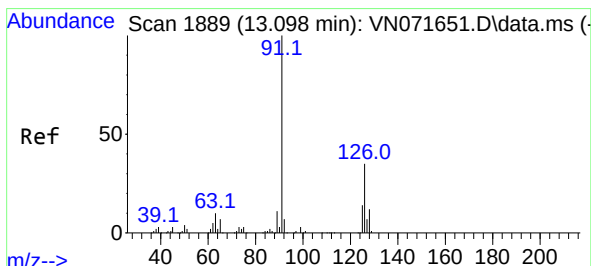
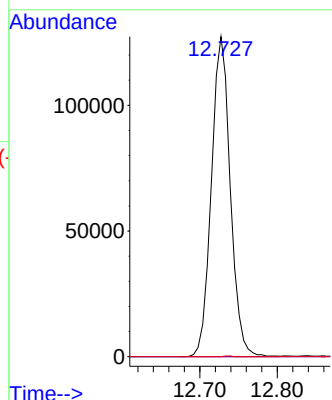
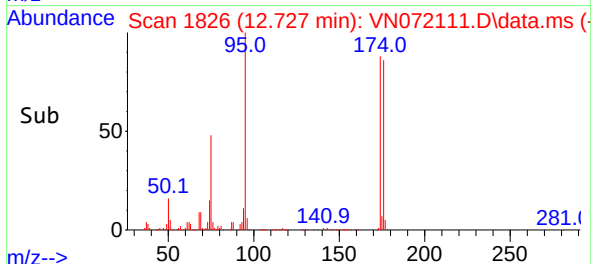


#81
trans-1,4-Dichloro-2-butene
Concen: 69.135 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

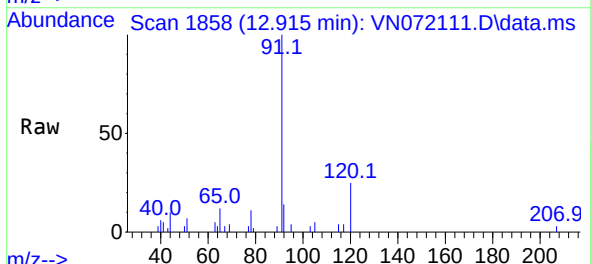
Instrument :
MSVOA_N
ClientSampleId :



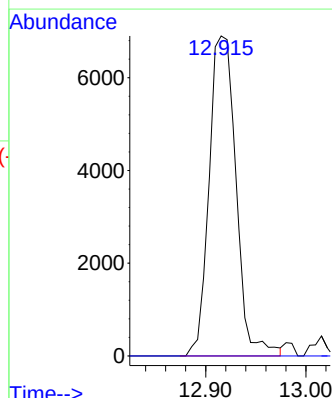
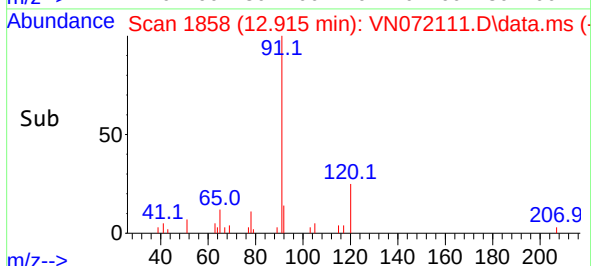
Tgt Ion: 75 Resp: 215633
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

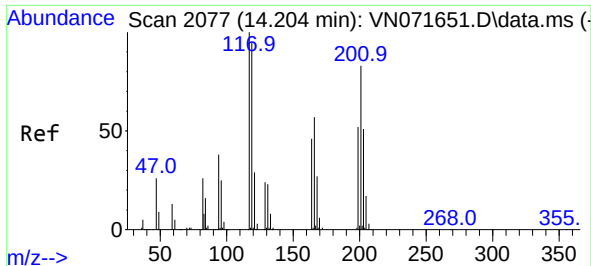


#82
4-Chlorotoluene
Concen: 0.586 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.183 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31



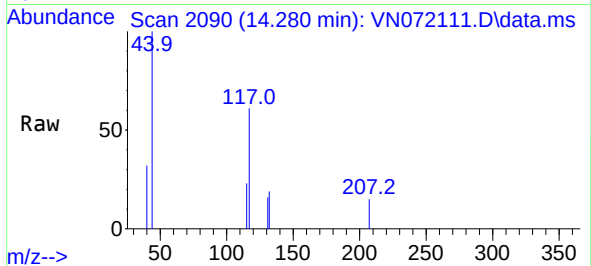
Tgt Ion: 91 Resp: 12884
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



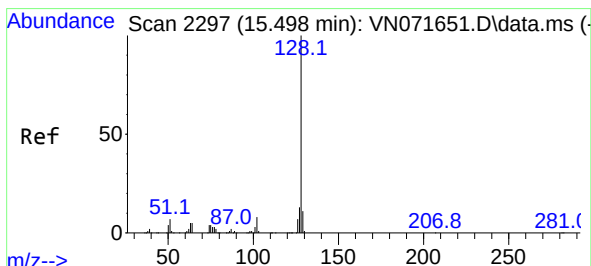
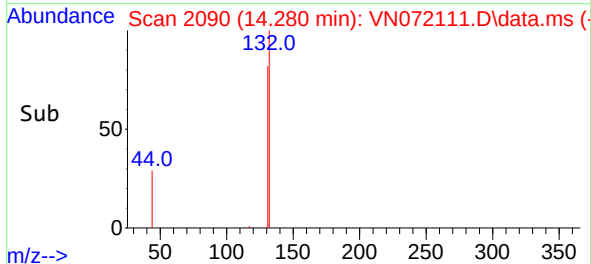
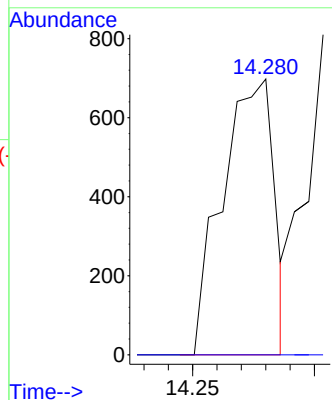


#90
Hexachloroethane
Concen: 0.215 ug/l
RT: 14.280 min Scan# 2090
Delta R.T. 0.076 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 1036
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 3.994 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN072111.D
Acq: 21 Apr 2022 05:31

Tgt Ion:128 Resp: 3939
Ion Ratio Lower Upper
128 100
127 6.3 10.3 15.5#
129 8.8 8.6 13.0

