

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072192.D
 Acq On : 25 Apr 2022 20:17
 Operator : JC\MD
 Sample : N2524-07 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33658

Quant Time: Apr 26 05:41:59 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

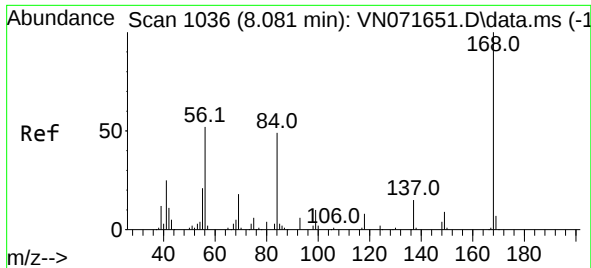
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	497578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	845483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	908602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	355622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	246218	43.345	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.680%		
35) Dibromofluoromethane	8.016	113	239943	48.228	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.460%		
50) Toluene-d8	10.439	98	1048917	51.538	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.080%		
62) 4-Bromofluorobenzene	12.727	95	374678	56.922	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.840%		
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	1402	0.280	ug/l #	87
11) Tert butyl alcohol	5.357	59	6464	7.012	ug/l #	85
14) Allyl chloride	4.657	41	7728848	1159.434	ug/l #	69
16) Acetone	4.293	43	266925	109.954	ug/l #	83
18) Methyl Acetate	4.657	43	18697564	3205.827	ug/l #	48
20) Methylene Chloride	5.087	84	1291	0.252	ug/l #	75
25) 2-Butanone	7.334	43	22468	6.420	ug/l	90
31) Cyclohexane	8.081	56	6609	0.856	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	29806	4.290	ug/l #	48
37) Ethyl Acetate	7.334	43	22468	2.955	ug/l #	69
38) Carbon Tetrachloride	8.086	117	42298	6.212	ug/l #	16
40) Benzene	8.457	78	25236	1.150	ug/l	100
43) Isopropyl Acetate	8.663	43	91814	7.259	ug/l #	54
49) 1,4-Dioxane	9.575	88	308	Below Cal	#	68
52) Toluene	10.498	92	10684	0.770	ug/l	100
60) Dibromochloromethane	10.975	129	3441	0.618	ug/l #	11
64) Tetrachloroethene	10.975	164	3597	0.600	ug/l	89
67) Ethyl Benzene	11.839	91	8411	0.273	ug/l	95
68) m/p-Xylenes	11.951	106	13160	1.112	ug/l	100
69) o-Xylene	12.274	106	3184	0.271	ug/l	99
76) 1,2,3-Trichloropropane	12.727	75	172933	20.991	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	172933	65.052	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	54	2.095	ug/l #	12
95) Naphthalene	15.504	128	26248	5.300	ug/l	98

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

Quant Time: Apr 26 05:41:59 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

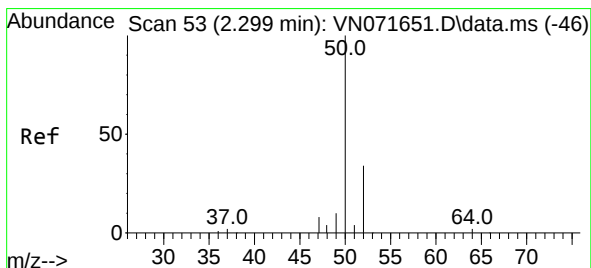
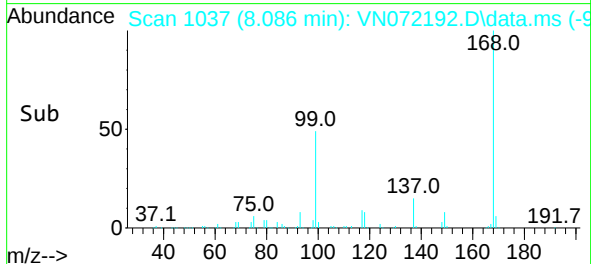
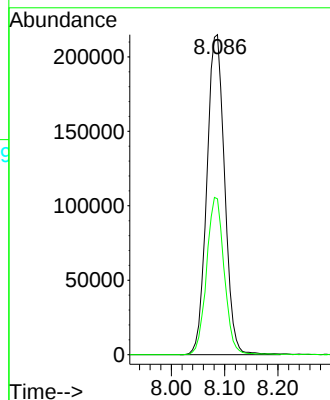
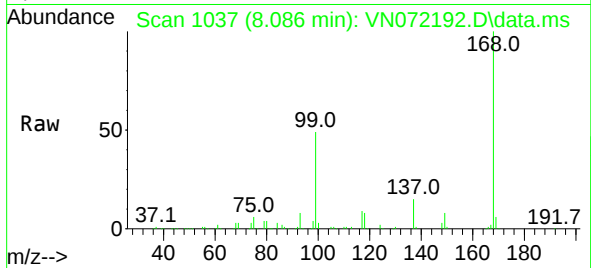




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

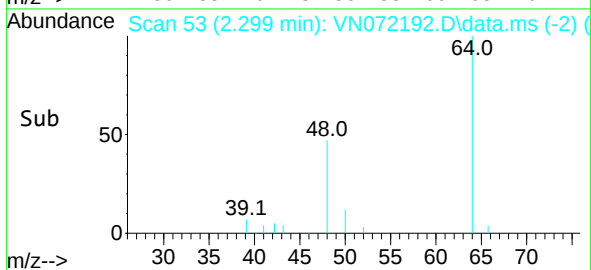
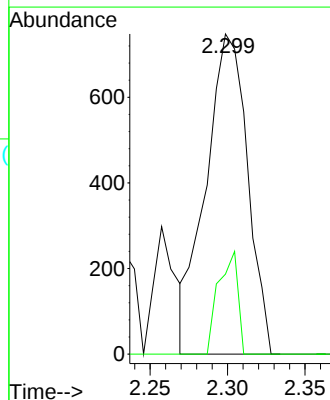
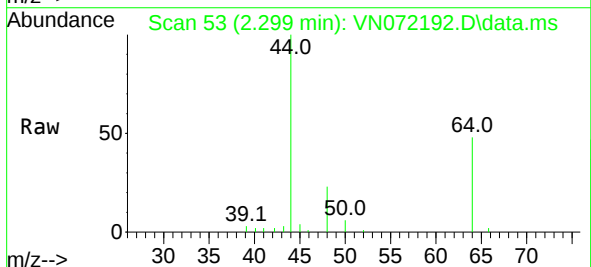
Instrument :
MSVOA_N
ClientSampleId :
33658

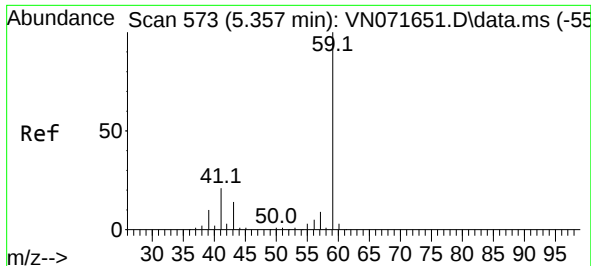
Tgt Ion:168 Resp: 497578
Ion Ratio Lower Upper
168 100
99 48.7 42.3 63.5



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 50 Resp: 1402
Ion Ratio Lower Upper
50 100
52 25.0 25.7 38.5#

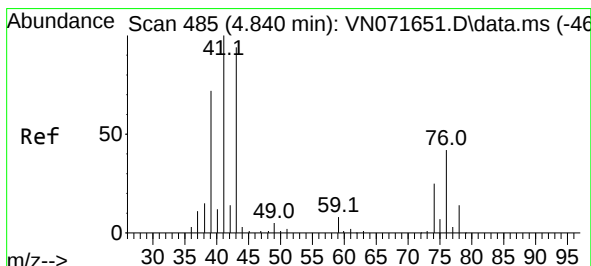
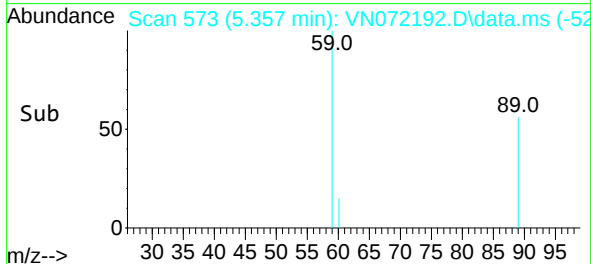
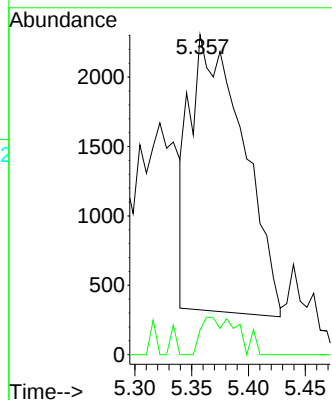
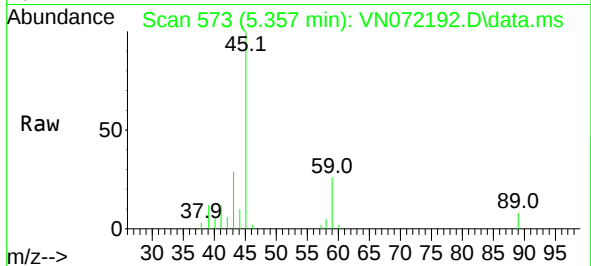




#11
Tert butyl alcohol
Concen: 7.012 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

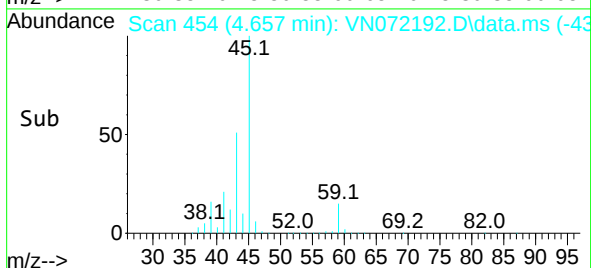
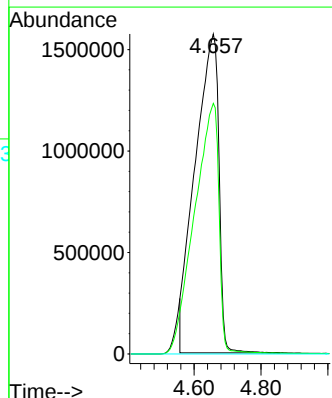
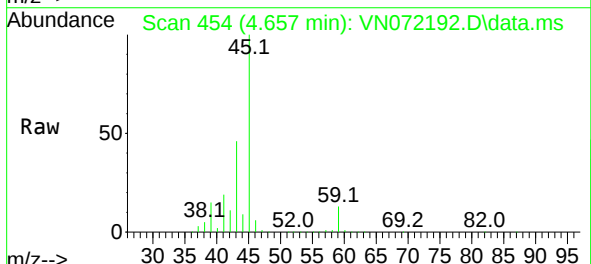
Instrument :
MSVOA_N
ClientSampleId :
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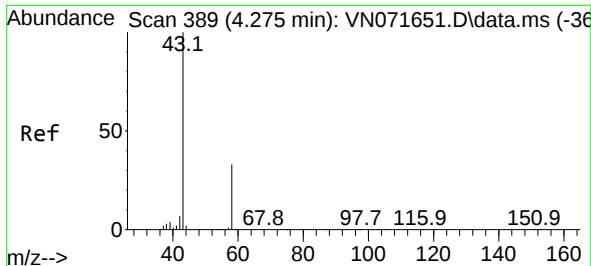
Tgt Ion: 59 Resp: 6464
Ion Ratio Lower Upper
59 100
57 4.9 8.3 12.5#



#14
Allyl chloride
Concen: 1159.434 ug/l
RT: 4.657 min Scan# 454
Delta R.T. -0.183 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 41 Resp: 7728848
Ion Ratio Lower Upper
41 100
39 77.5 53.2 79.8
76 0.0 29.9 44.9#

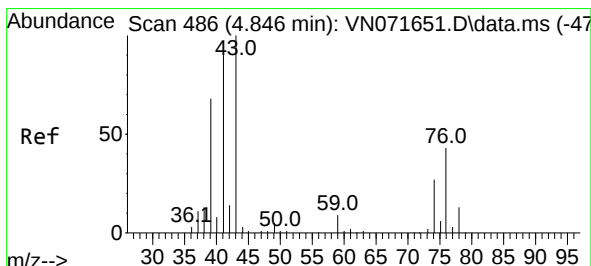
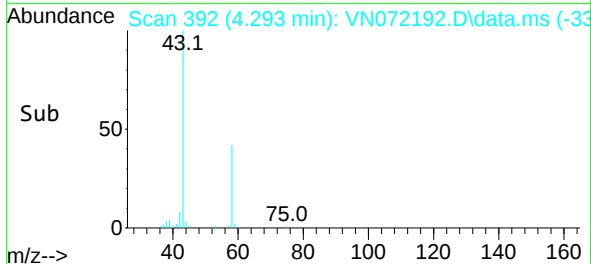
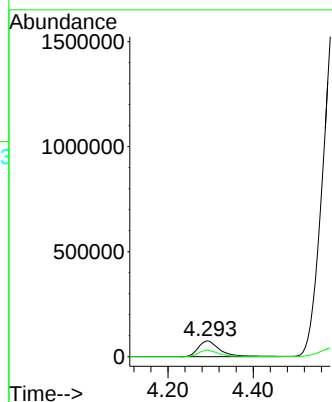
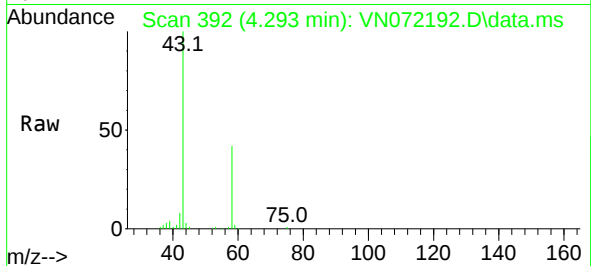




#16
Acetone
Concen: 109.954 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

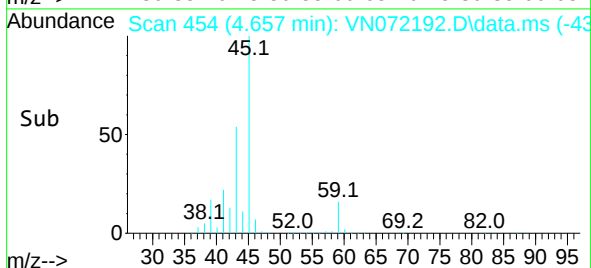
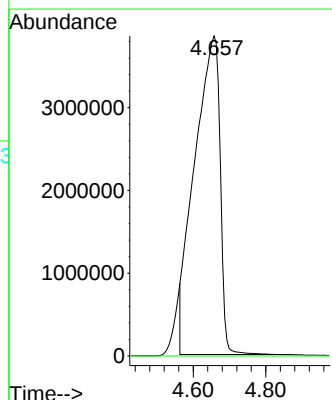
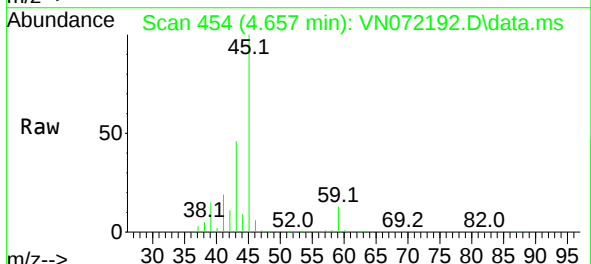
Instrument :
MSVOA_N
ClientSampleId :
33658

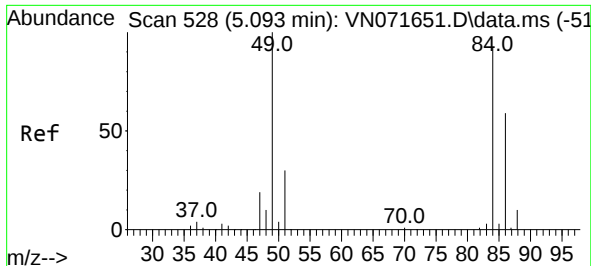
Tgt Ion: 43 Resp: 266925
Ion Ratio Lower Upper
43 100
58 42.0 26.0 39.0#



#18
Methyl Acetate
Concen: 3205.827 ug/l
RT: 4.657 min Scan# 454
Delta R.T. -0.189 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 43 Resp:18697564
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

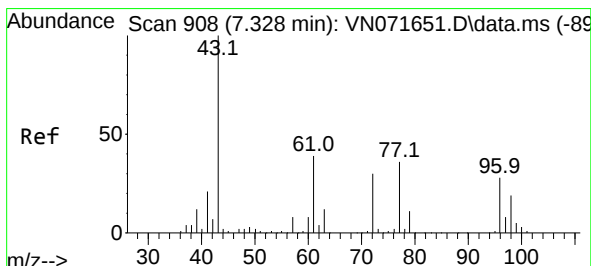
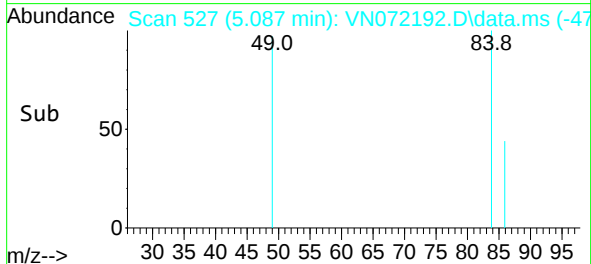
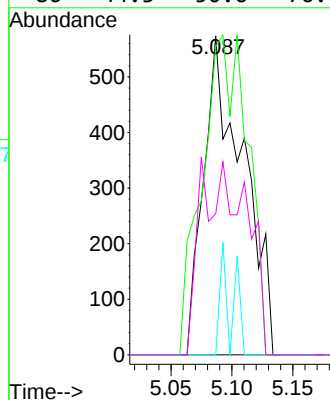
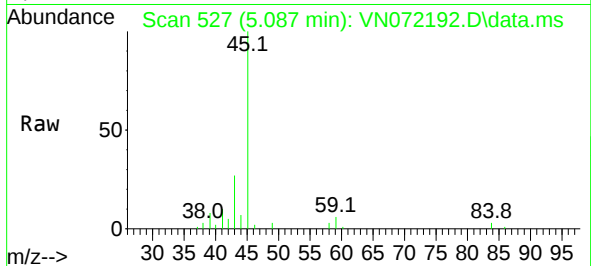




#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

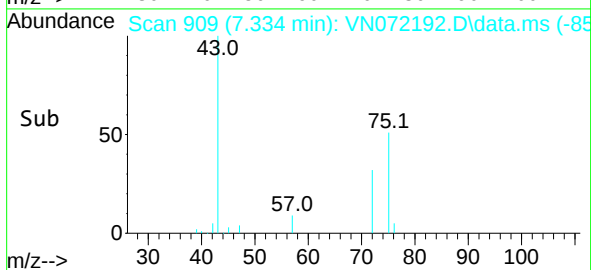
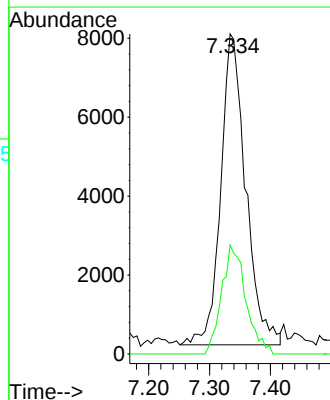
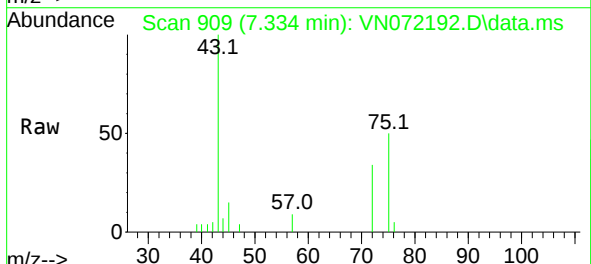
Instrument :
MSVOA_N
ClientSampleId :
33658

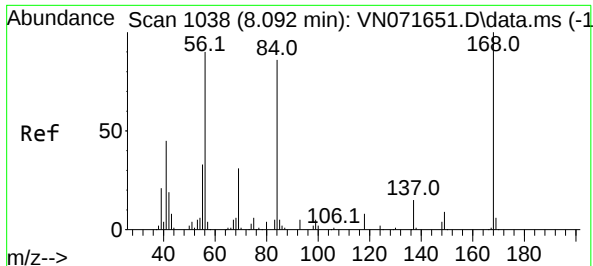
Tgt Ion: 84	Resp: 1291
Ion Ratio	Lower Upper
84 100	
49 96.5	88.3 132.5
51 0.0	28.2 42.2#
86 44.3	50.6 76.0#



#25
2-Butanone
Concen: 6.420 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

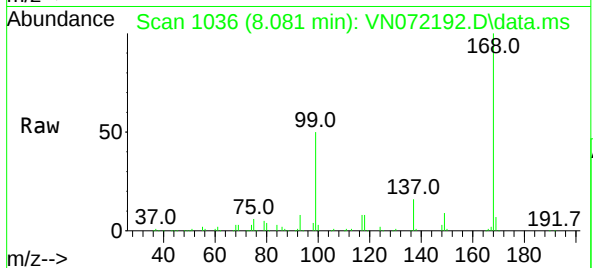
Tgt Ion: 43	Resp: 22468
Ion Ratio	Lower Upper
43 100	
72 35.1	23.7 35.5



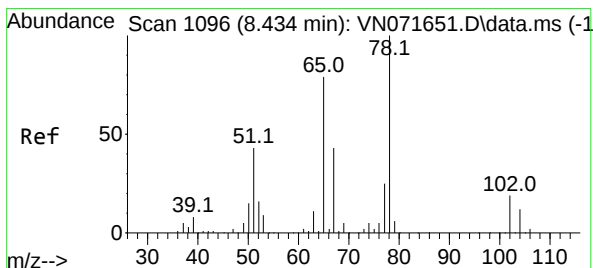
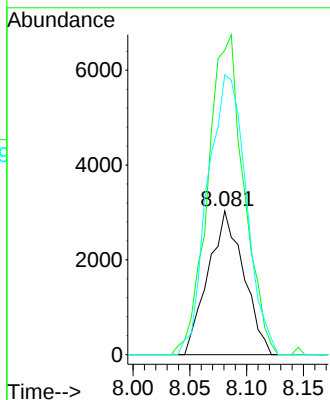
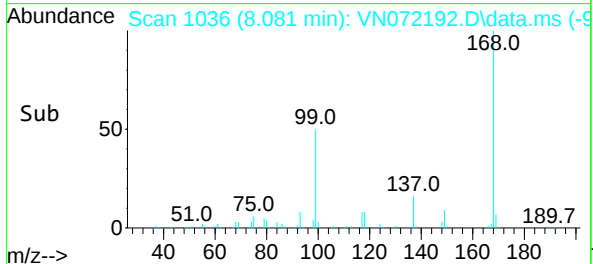


#31
Cyclohexane
Concen: 0.856 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Instrument :
MSVOA_N
ClientSampleId :
33658

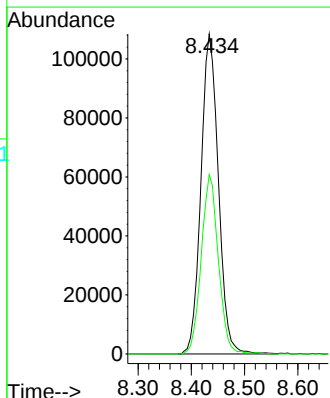
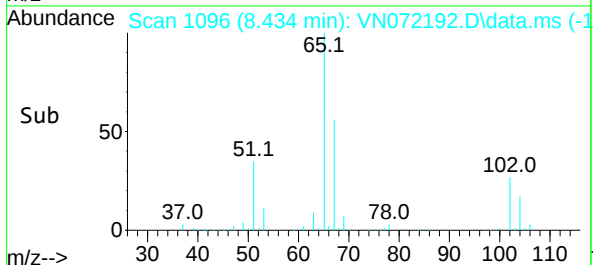
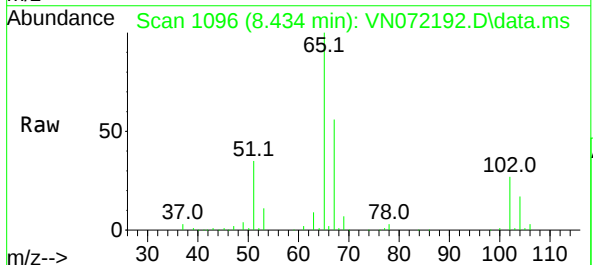


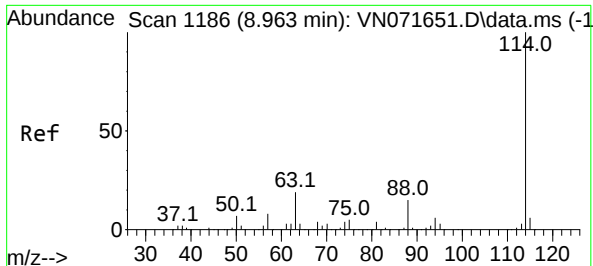
Tgt Ion: 56 Resp: 6609
Ion Ratio Lower Upper
56 100
69 212.0 27.8 41.8#
84 194.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.345 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 65 Resp: 246218
Ion Ratio Lower Upper
65 100
67 54.9 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: VN072192.D

Acq: 25 Apr 2022 20:17

Instrument :

MSVOA_N

ClientSampleId :

33658

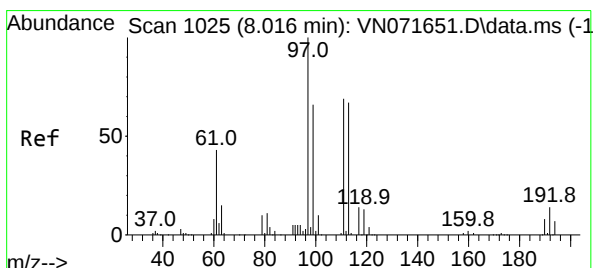
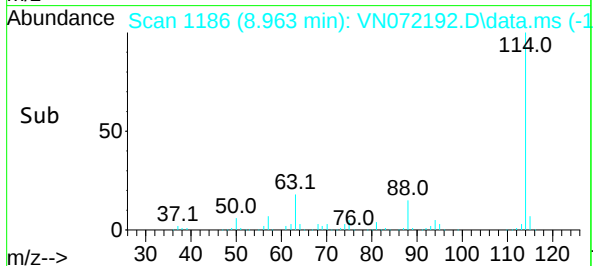
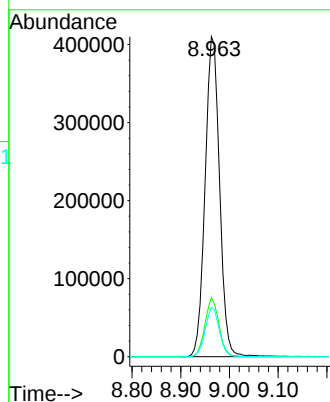
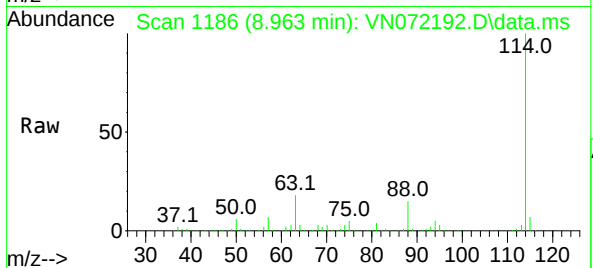
Tgt Ion:114 Resp: 845483

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.228 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

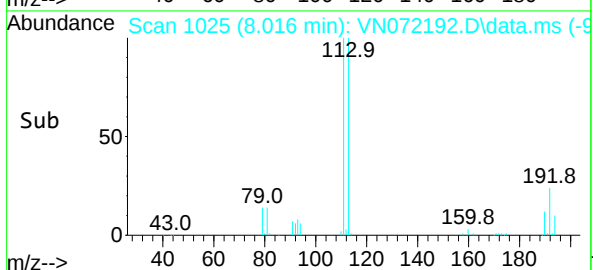
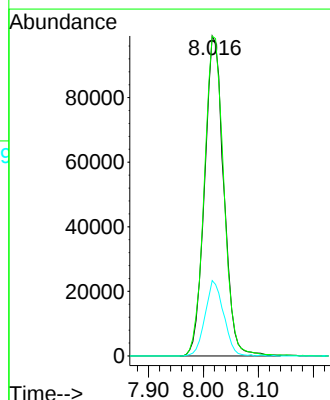
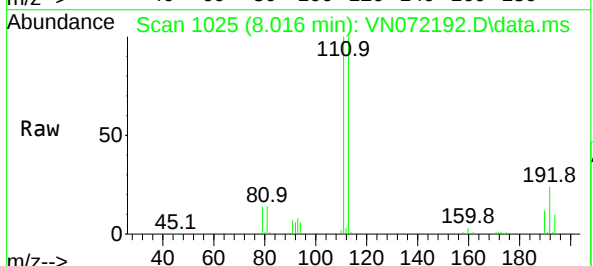
Tgt Ion:113 Resp: 239943

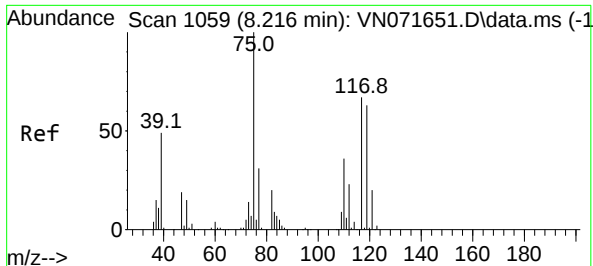
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 22.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.290 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

Instrument :

MSVOA_N

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33658

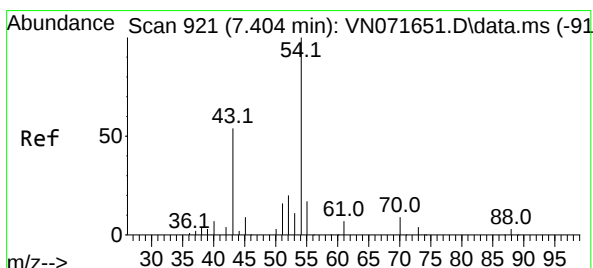
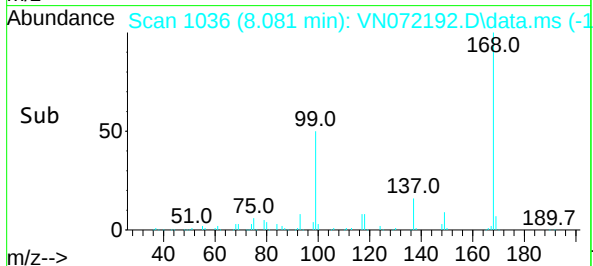
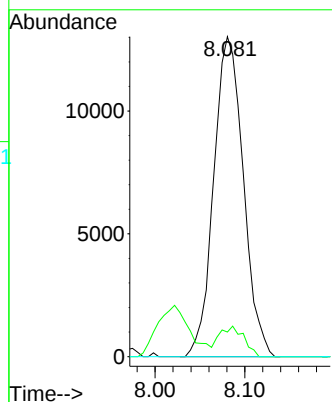
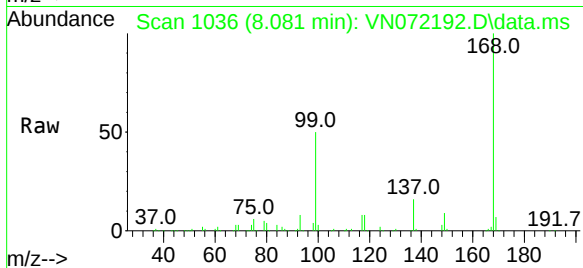
Tgt Ion: 75 Resp: 29806

Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.955 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.070 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

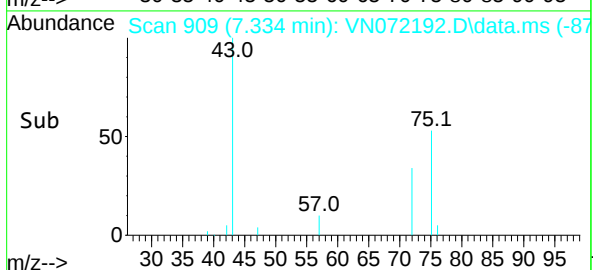
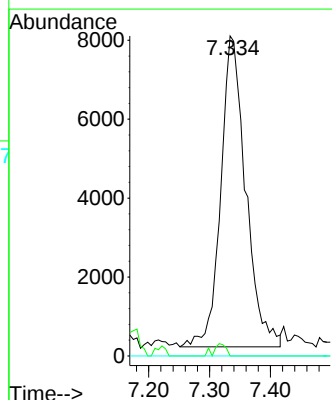
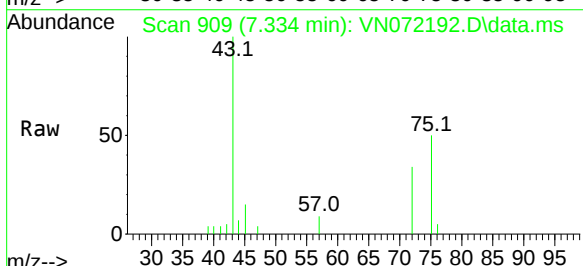
Tgt Ion: 43 Resp: 22468

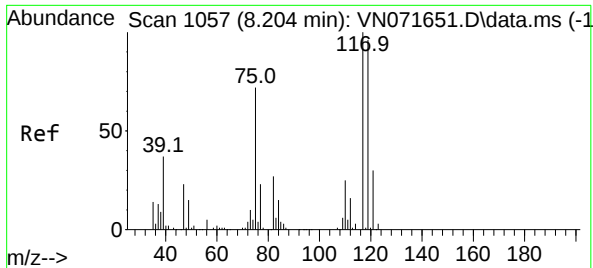
Ion Ratio Lower Upper

43 100

61 1.9 11.8 17.6#

70 0.0 9.3 13.9#

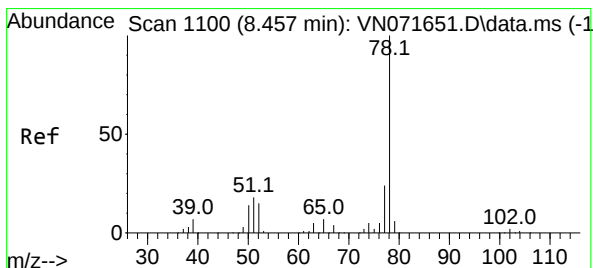
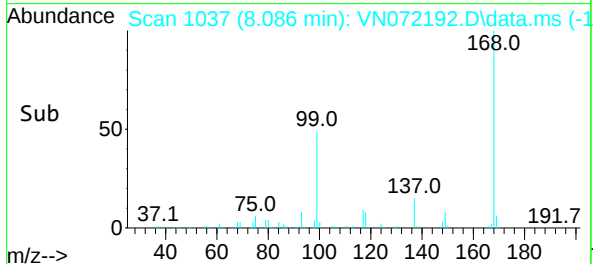
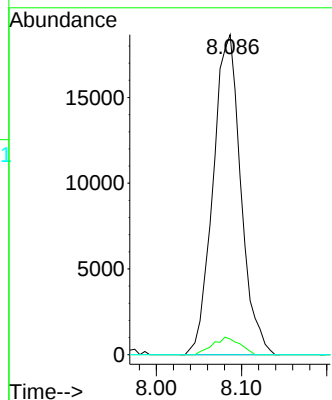
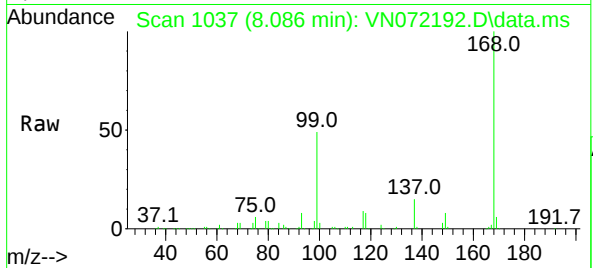




#38
Carbon Tetrachloride
Concen: 6.212 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

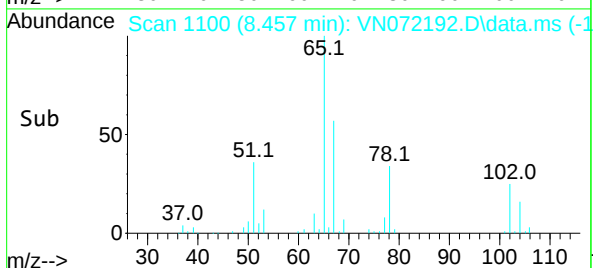
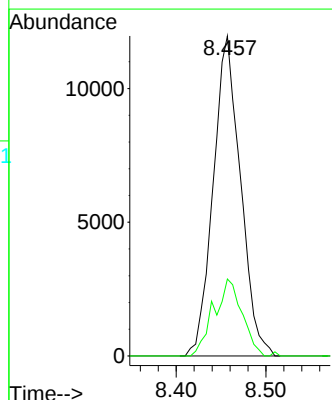
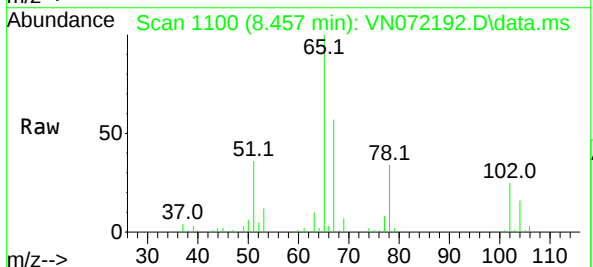
Instrument :
MSVOA_N
ClientSampleId :
33658

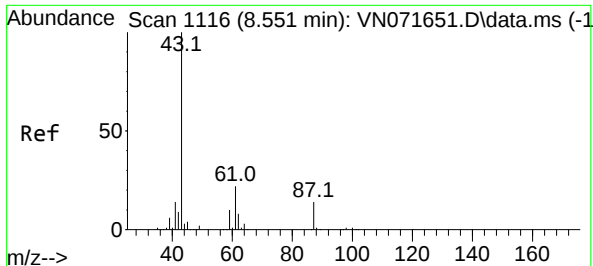
Tgt Ion:117 Resp: 42298
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 1.150 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 78 Resp: 25236
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#43

Isopropyl Acetate

Concen: 7.259 ug/l

RT: 8.663 min Scan# 1116

Delta R.T. 0.112 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

Instrument :

MSVOA_N

ClientSampleId :

33658

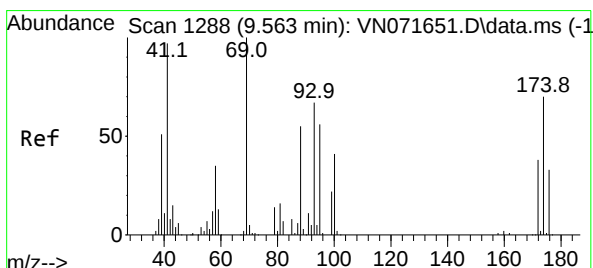
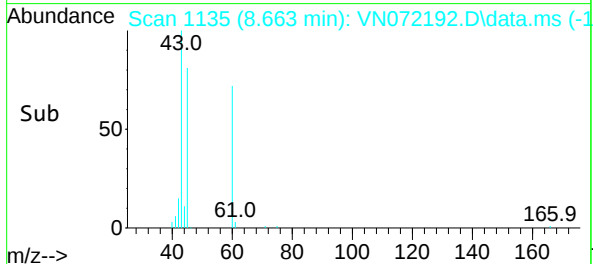
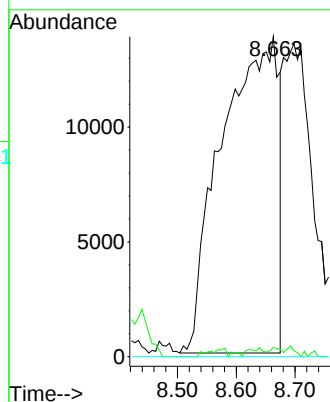
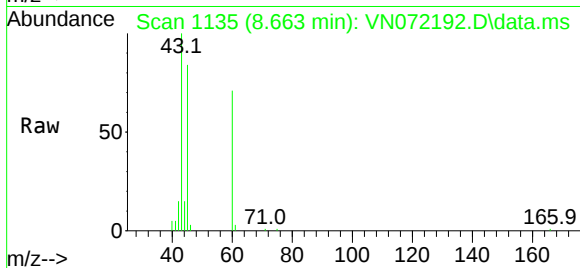
Tgt Ion: 43 Resp: 91814

Ion Ratio Lower Upper

43 100

61 0.6 21.9 32.9#

87 0.0 12.0 18.0#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.575 min Scan# 1290

Delta R.T. 0.012 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

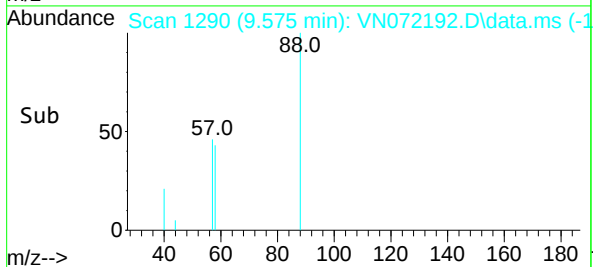
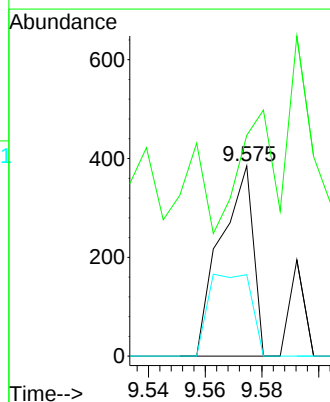
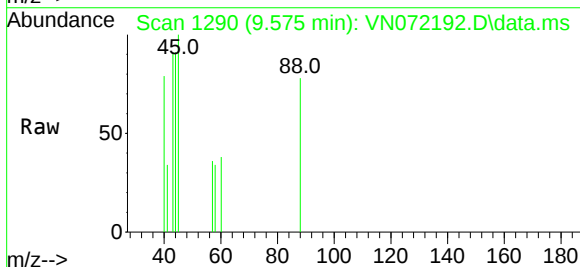
Tgt Ion: 88 Resp: 308

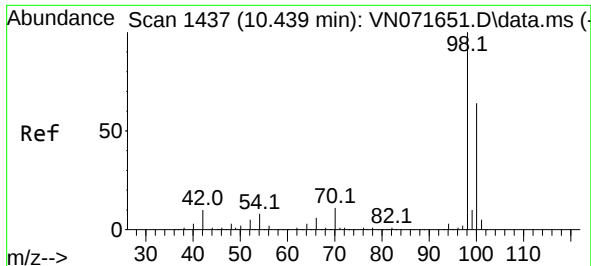
Ion Ratio Lower Upper

88 100

43 64.6 20.2 30.4#

58 56.2 54.2 81.4

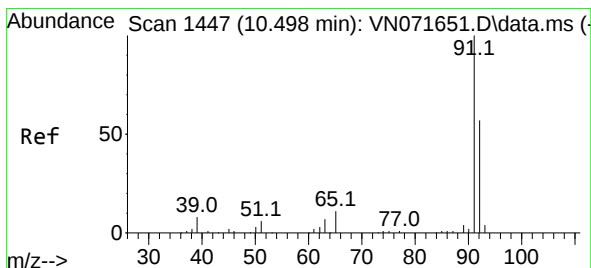
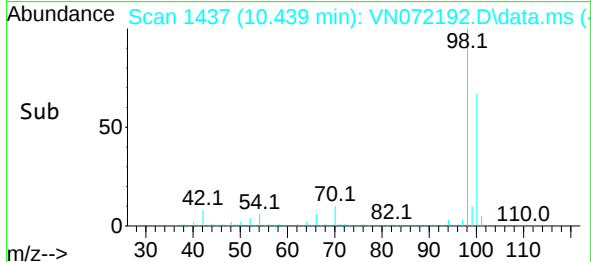
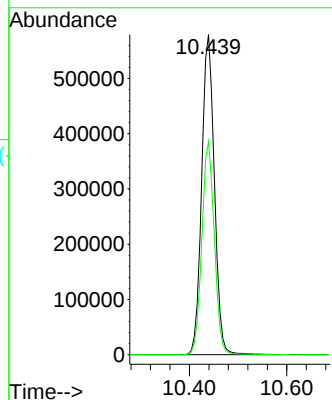
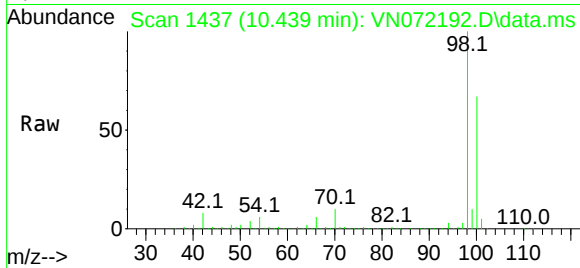




#50
Toluene-d8
Concen: 51.538 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

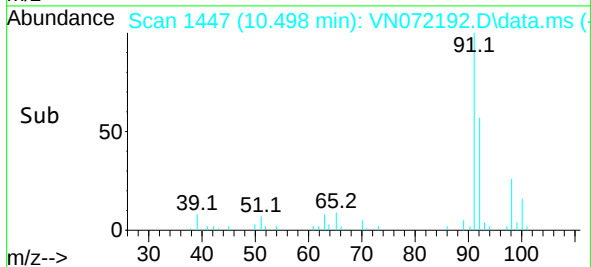
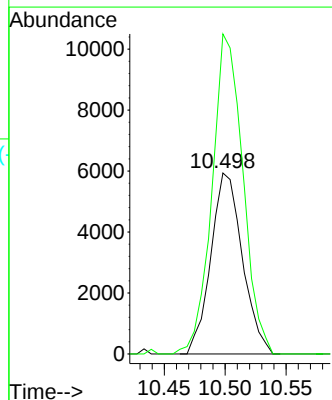
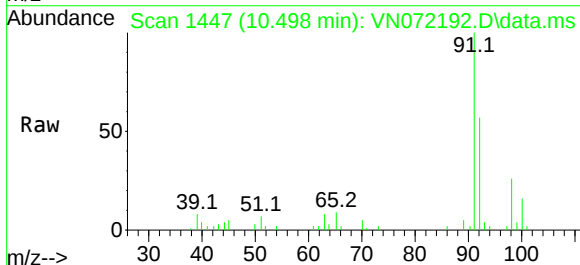
Instrument :
MSVOA_N
ClientSampleId :
33658

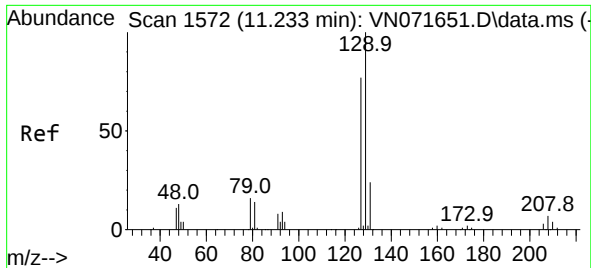
Tgt Ion: 98 Resp: 1048917
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#52
Toluene
Concen: 0.770 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 92 Resp: 10684
Ion Ratio Lower Upper
92 100
91 172.8 138.6 207.8

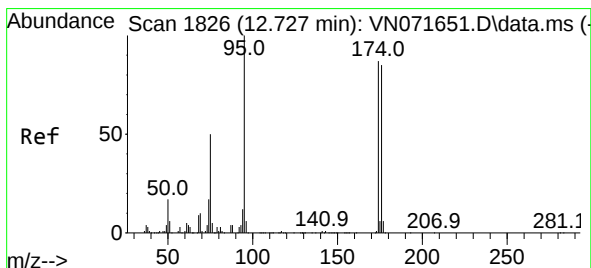
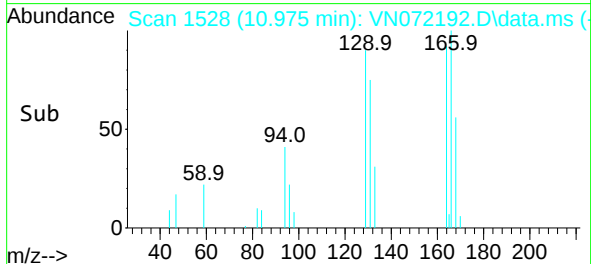
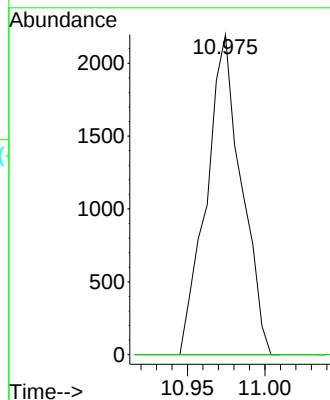
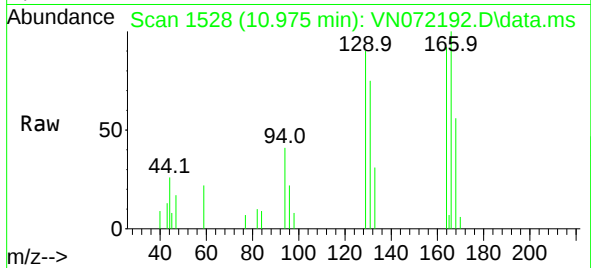




#60
Dibromochloromethane
Concen: 0.618 ug/l
RT: 10.975 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

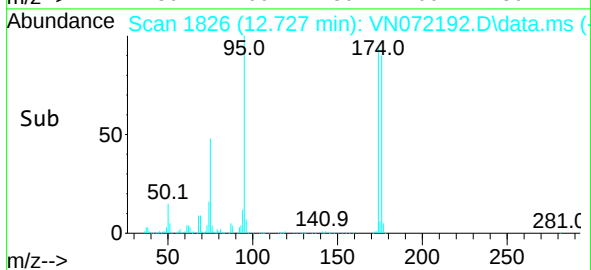
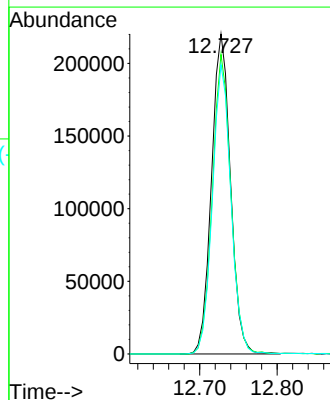
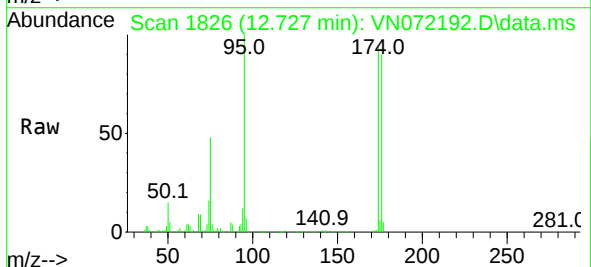
Instrument :
MSVOA_N
ClientSampleId :
33658

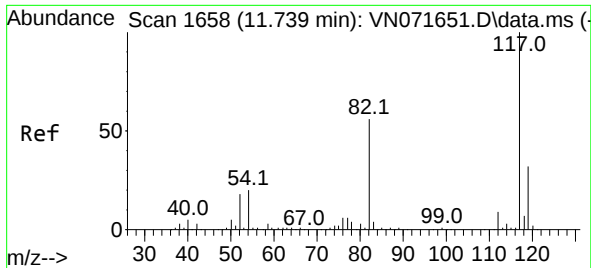
Tgt Ion:129 Resp: 3441
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 56.922 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 95 Resp: 374678
Ion Ratio Lower Upper
95 100
174 91.4 0.0 167.6
176 88.1 0.0 163.4

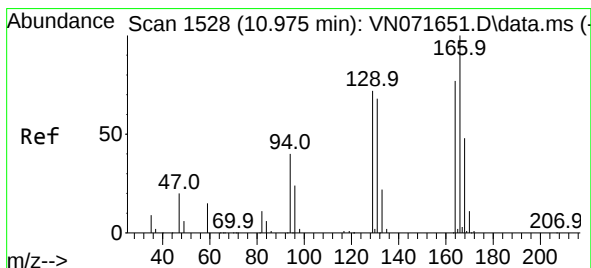
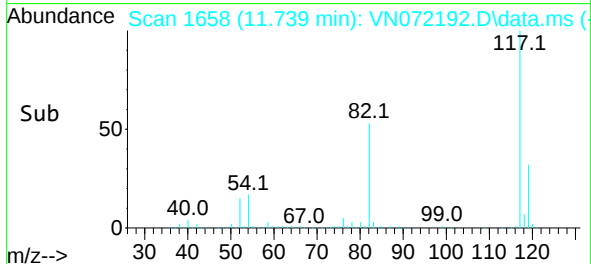
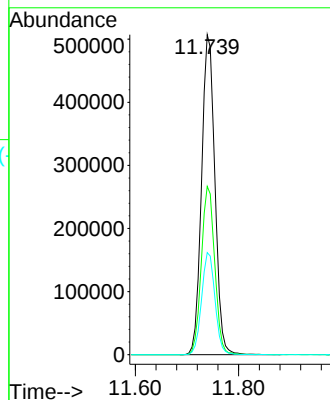
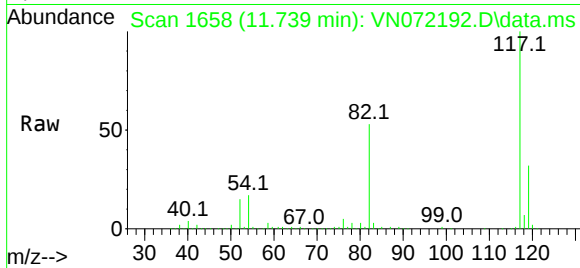




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

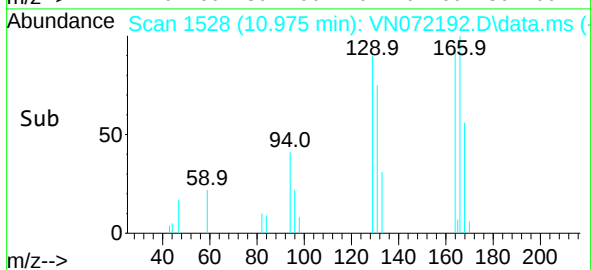
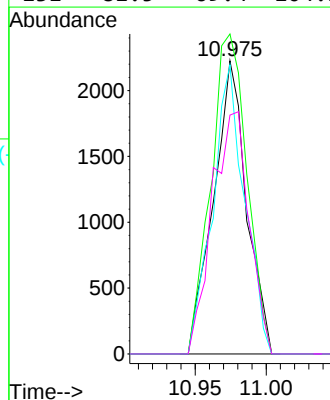
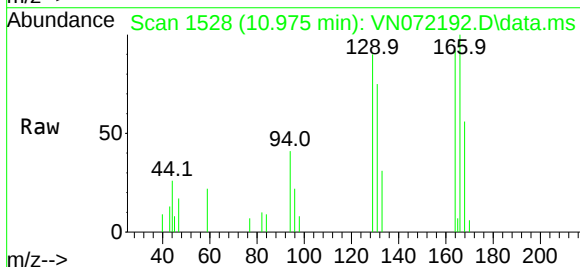
Instrument :
MSVOA_N
ClientSampleId :
33658

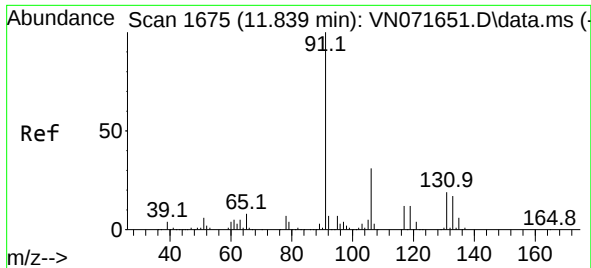
Tgt Ion:117 Resp: 908602
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 0.600 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion:164 Resp: 3597
Ion Ratio Lower Upper
164 100
166 109.2 104.2 156.2
129 98.7 73.9 110.9
131 81.5 69.4 104.2

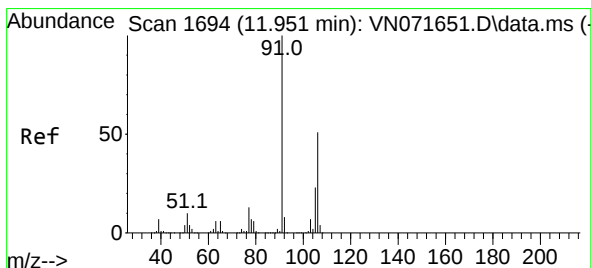
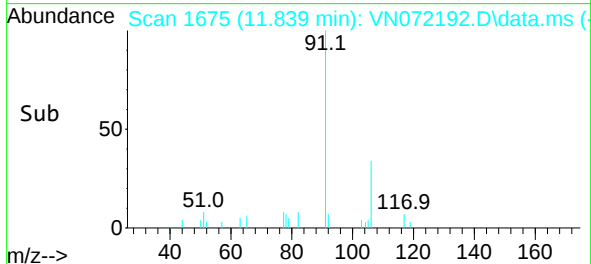
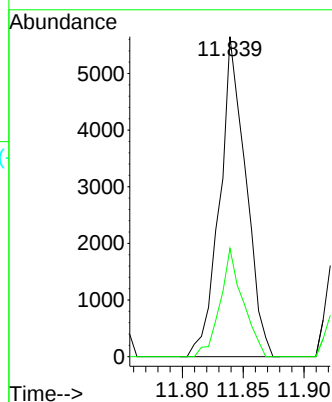
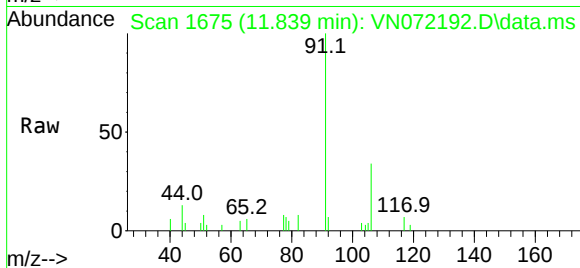




#67
Ethyl Benzene
Concen: 0.273 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

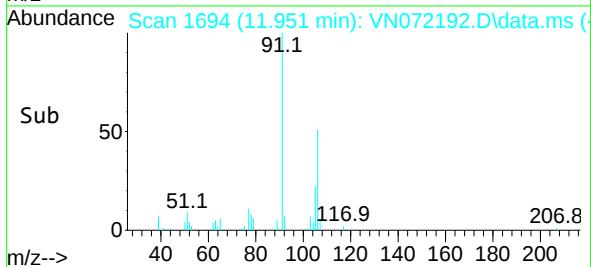
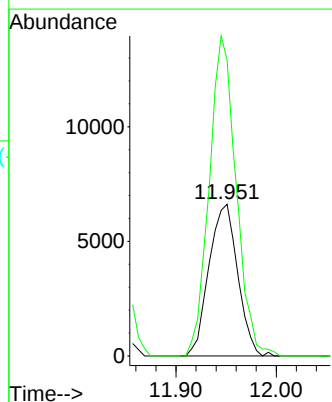
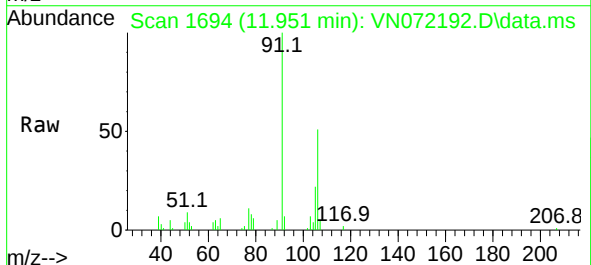
Instrument :
MSVOA_N
ClientSampleId :
33658

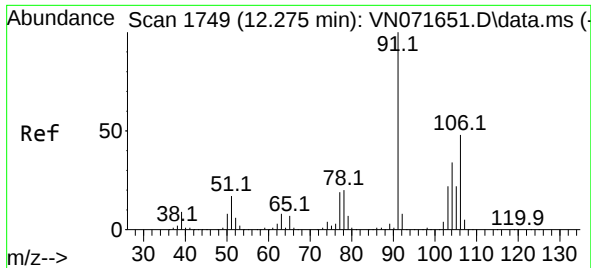
Tgt Ion: 91 Resp: 8411
Ion Ratio Lower Upper
91 100
106 33.9 24.9 37.3



#68
m/p-Xylenes
Concen: 1.112 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion:106 Resp: 13160
Ion Ratio Lower Upper
106 100
91 198.1 158.9 238.3

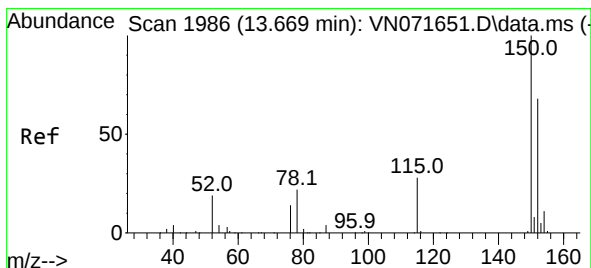
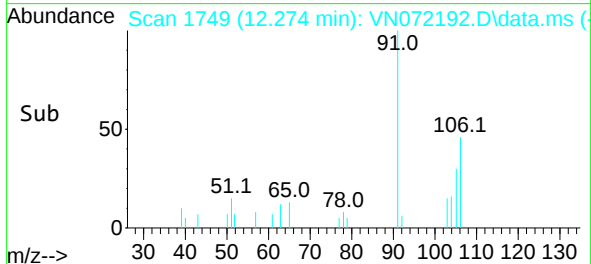
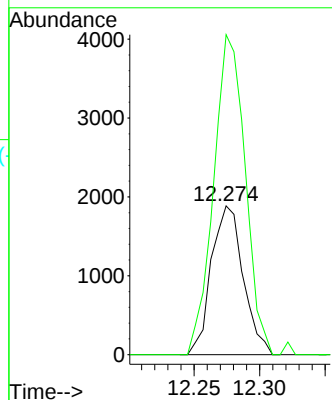
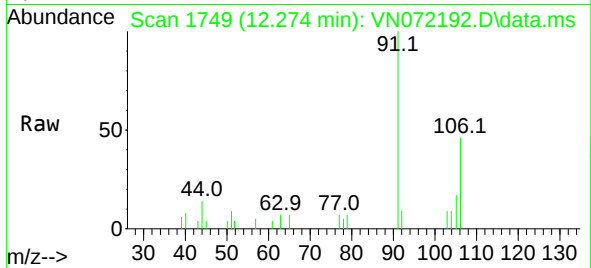




#69
o-Xylene
Concen: 0.271 ug/l
RT: 12.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

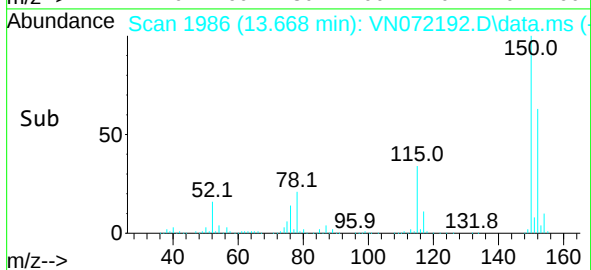
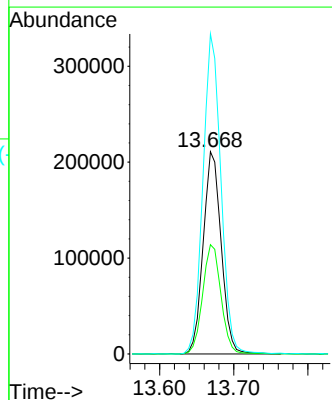
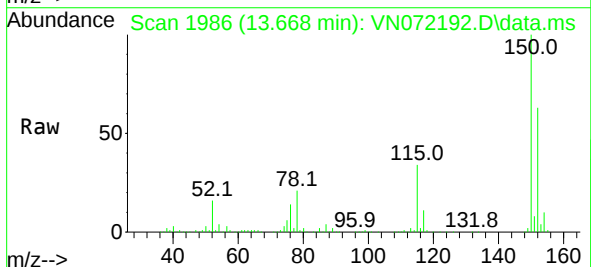
Instrument :
MSVOA_N
ClientSampleId :
33658

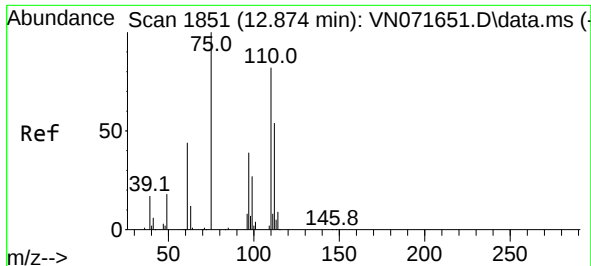
Tgt Ion:106 Resp: 3184
Ion Ratio Lower Upper
106 100
91 213.5 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion:152 Resp: 355622
Ion Ratio Lower Upper
152 100
115 55.2 28.9 86.7
150 158.0 0.0 356.2

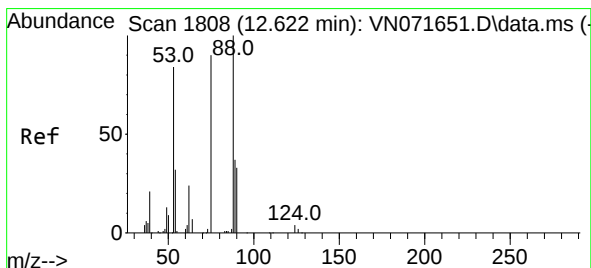
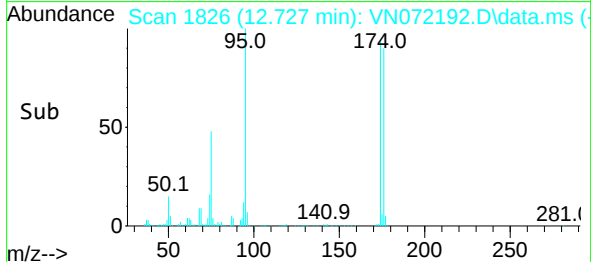
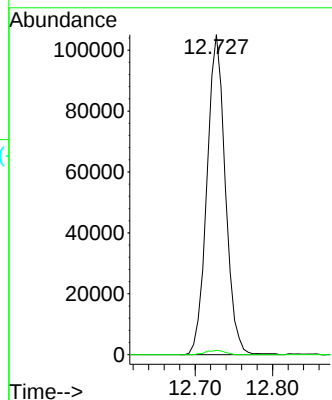
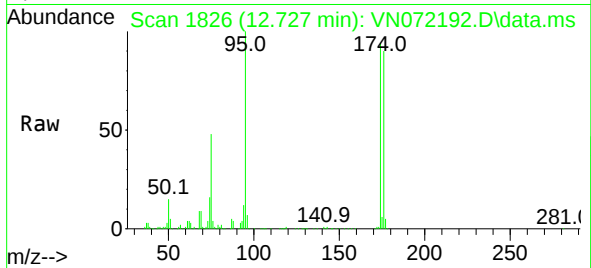




#76
1,2,3-Trichloropropane
Concen: 20.991 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

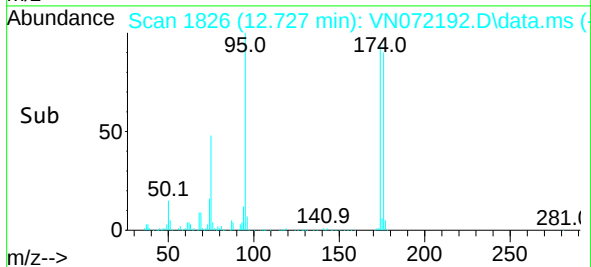
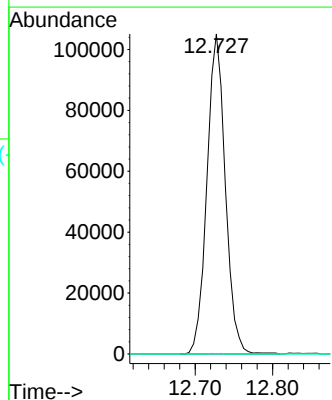
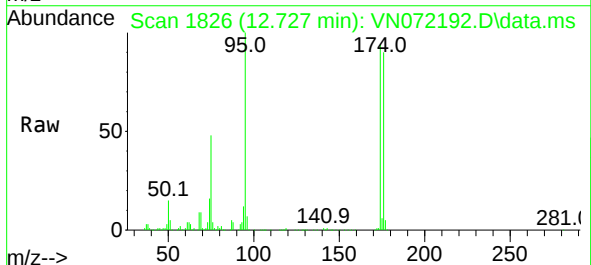
Instrument :
MSVOA_N
ClientSampleId :
33658

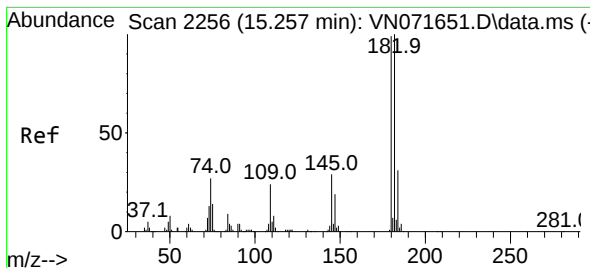
Tgt Ion: 75 Resp: 172933
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.052 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072192.D
Acq: 25 Apr 2022 20:17

Tgt Ion: 75 Resp: 172933
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.095 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

Instrument :

MSVOA_N

ClientSampleId :

33658

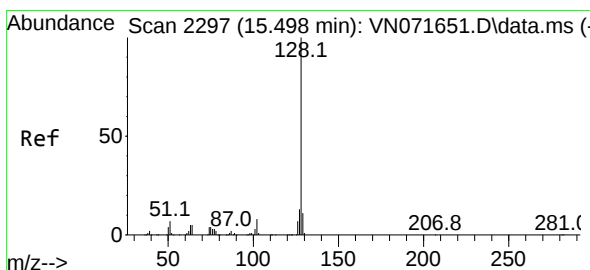
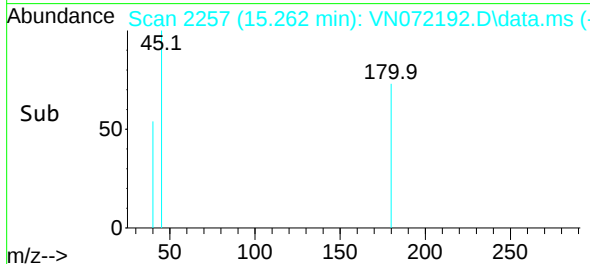
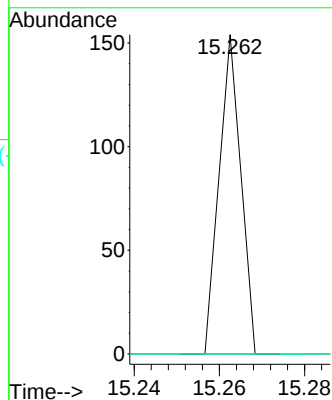
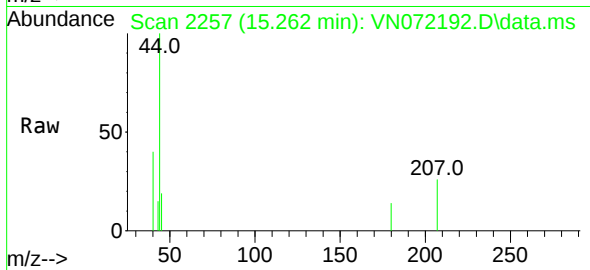
Tgt Ion:180 Resp: 54

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 5.300 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072192.D

Acq: 25 Apr 2022 20:17

Tgt Ion:128 Resp: 26248

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 10.4 8.6 13.0

