

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072179.D
 Acq On : 25 Apr 2022 15:03
 Operator : JC\MD
 Sample : N2524-09 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33660

Quant Time: Apr 26 05:39:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

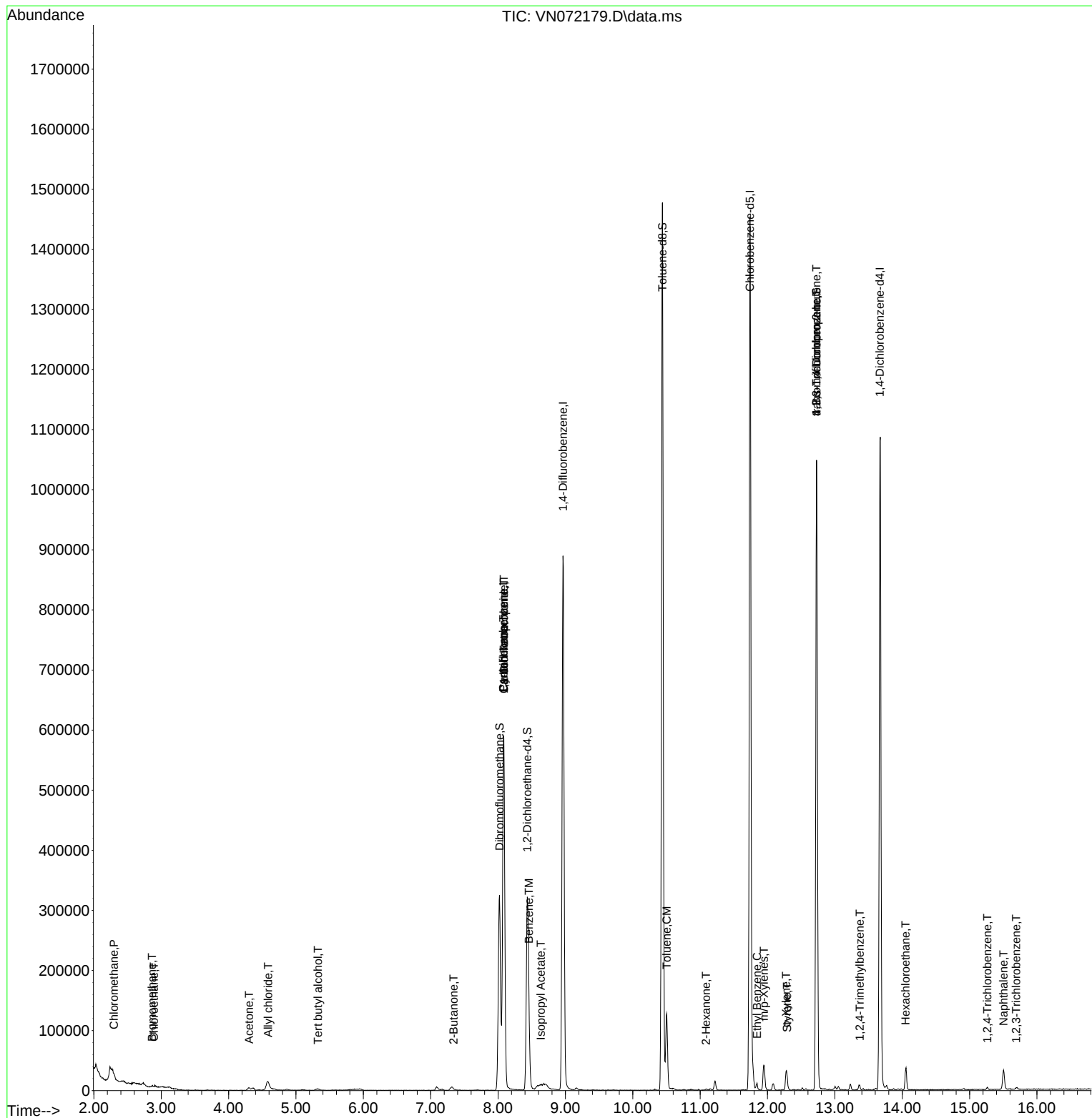
Internal Standards						
1) Pentafluorobenzene	8.080	168	516356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	870320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	925003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	347261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	255339	43.316	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.640%		
35) Dibromofluoromethane	8.022	113	242190	47.290	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.580%		
50) Toluene-d8	10.439	98	1083484	51.717	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.440%		
62) 4-Bromofluorobenzene	12.727	95	375679	55.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1963	0.377	ug/l	90
5) Bromomethane	2.863	94	1553	0.418	ug/l #	60
6) Chloroethane	2.893	64	1632	0.397	ug/l #	42
11) Tert butyl alcohol	5.328	59	1791	1.872	ug/l #	72
14) Allyl chloride	4.587	41	2588	0.374	ug/l #	73
16) Acetone	4.304	43	4816	1.912	ug/l	92
18) Methyl Acetate	4.863	43	3418	Below Cal		90
25) 2-Butanone	7.339	43	2127	0.586	ug/l #	85
31) Cyclohexane	8.080	56	7238	0.903	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	31732	4.437	ug/l #	49
38) Carbon Tetrachloride	8.086	117	43792	6.248	ug/l #	17
40) Benzene	8.457	78	62816	2.780	ug/l	97
43) Isopropyl Acetate	8.633	43	13031	1.001	ug/l #	53
52) Toluene	10.504	92	58294	4.082	ug/l	93
59) 2-Hexanone	11.086	43	1699	0.322	ug/l	94
67) Ethyl Benzene	11.845	91	7685	0.245	ug/l	97
68) m/p-Xylenes	11.945	106	15877	1.318	ug/l	98
69) o-Xylene	12.274	106	9322	0.780	ug/l	91
70) Styrene	12.292	104	6687	0.369	ug/l	97
76) 1,2,3-Trichloropropane	12.727	75	174766	21.725	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	174766	67.324	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.368	105	5343	0.236	ug/l	96
90) Hexachloroethane	14.051	117	2231	0.556	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.262	180	1395	2.328	ug/l	81
95) Naphthalene	15.504	128	34464	5.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	1716	2.719	ug/l	97

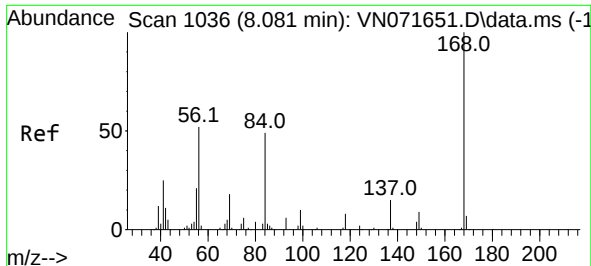
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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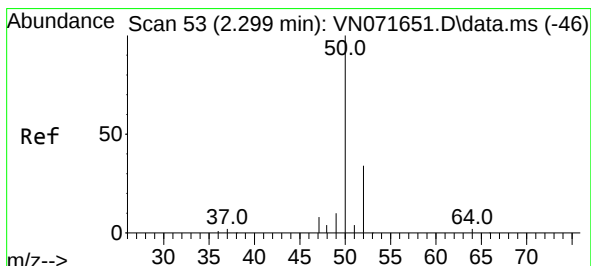
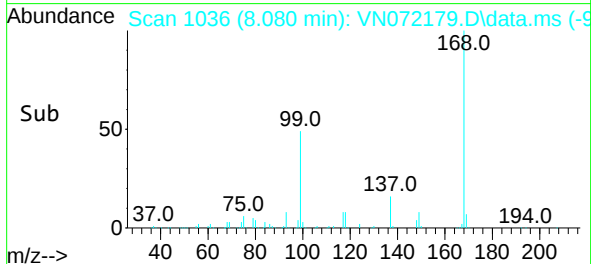
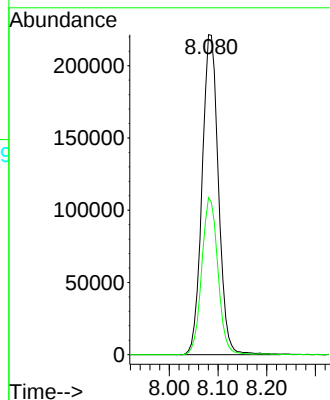
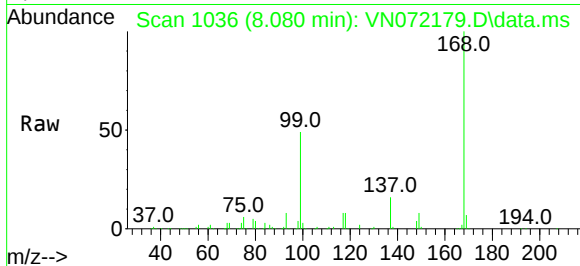




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

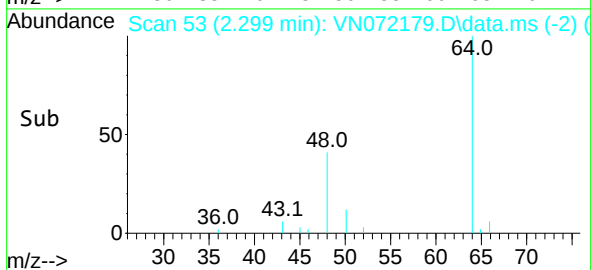
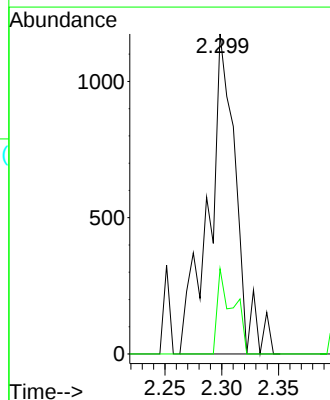
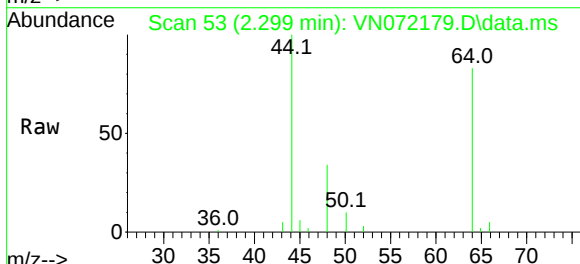
Instrument :
MSVOA_N
ClientSampleId :
33660

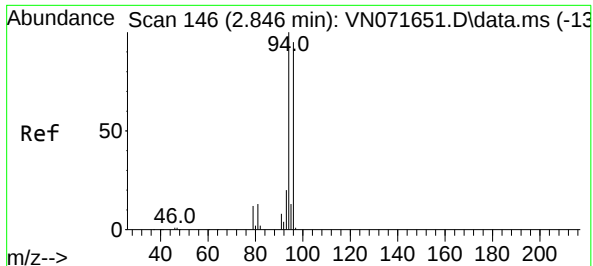
Tgt Ion:168 Resp: 516356
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#3
Chloromethane
Concen: 0.377 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 50 Resp: 1963
Ion Ratio Lower Upper
50 100
52 26.7 25.7 38.5

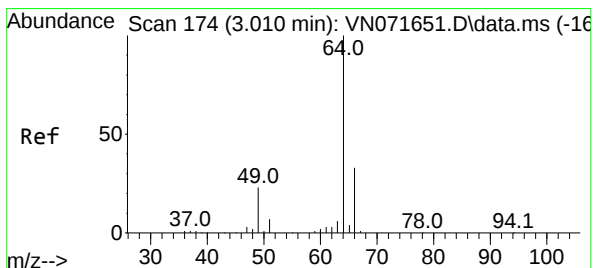
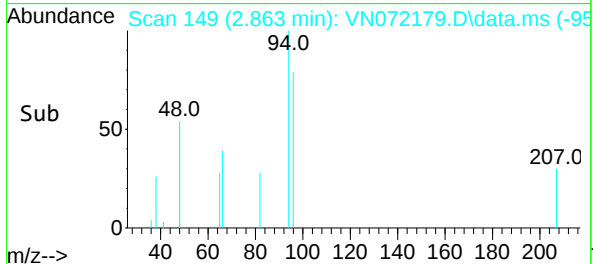
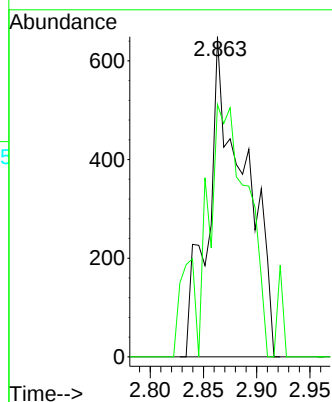
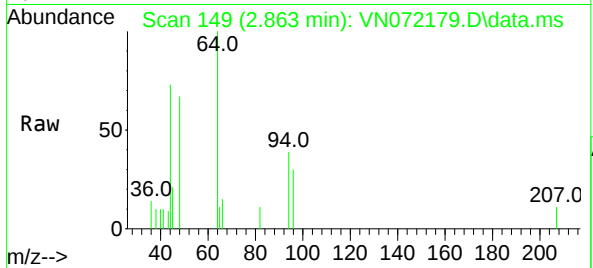




#5
Bromomethane
Concen: 0.418 ug/l
RT: 2.863 min Scan# 146
Delta R.T. 0.017 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

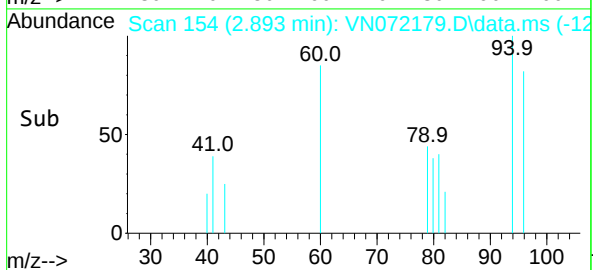
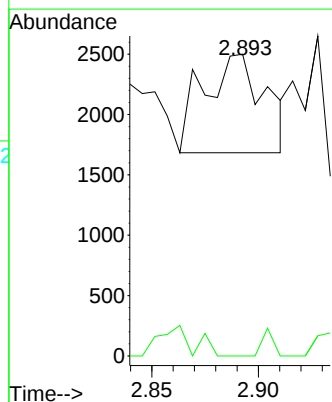
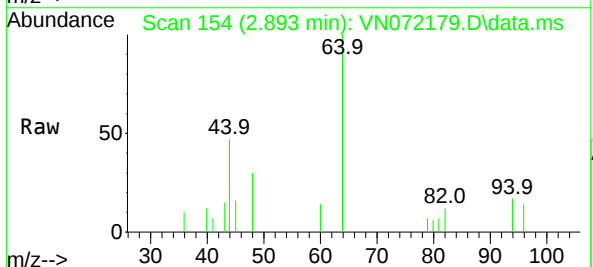
Instrument :
MSVOA_N
ClientSampleId :
33660

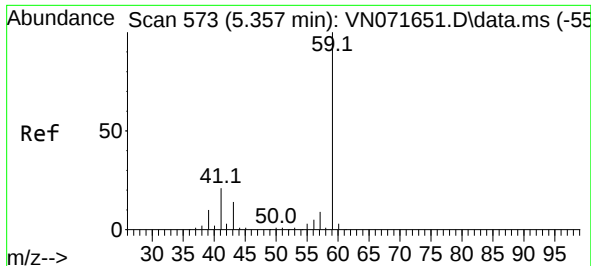
Tgt Ion: 94 Resp: 1553
Ion Ratio Lower Upper
94 100
96 55.8 76.0 114.0#



#6
Chloroethane
Concen: 0.397 ug/l
RT: 2.893 min Scan# 154
Delta R.T. -0.117 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 64 Resp: 1632
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

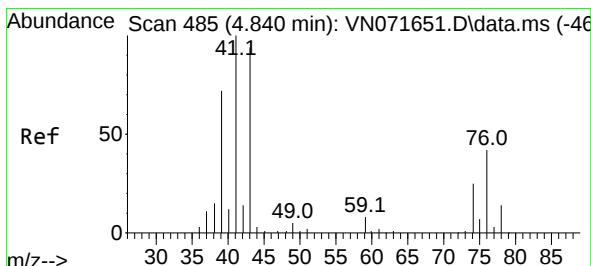
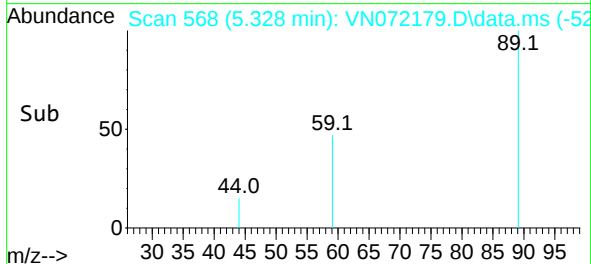
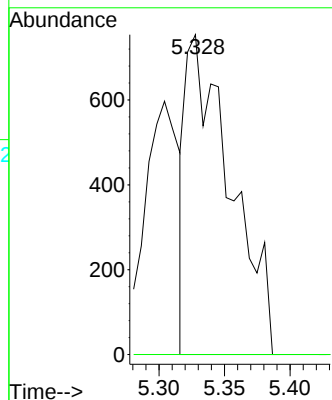
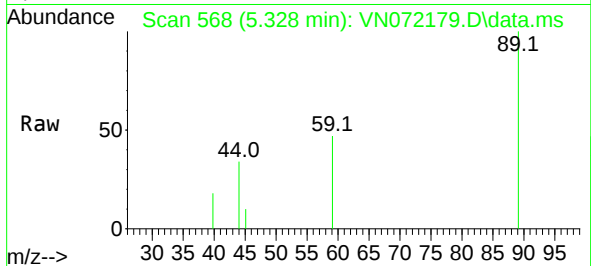




#11
Tert butyl alcohol
Concen: 1.872 ug/l
RT: 5.328 min Scan# 50
Delta R.T. -0.029 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

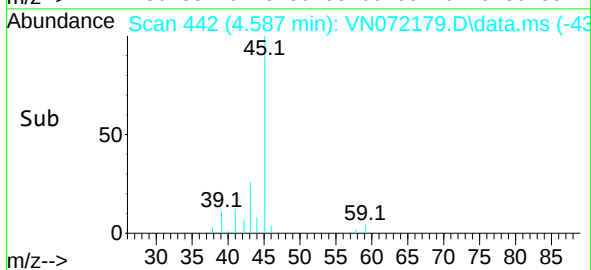
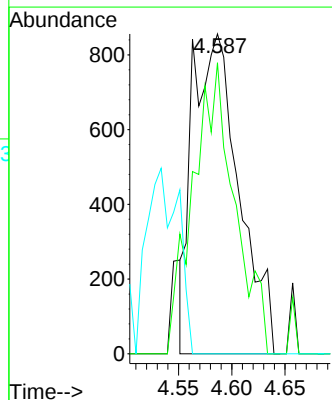
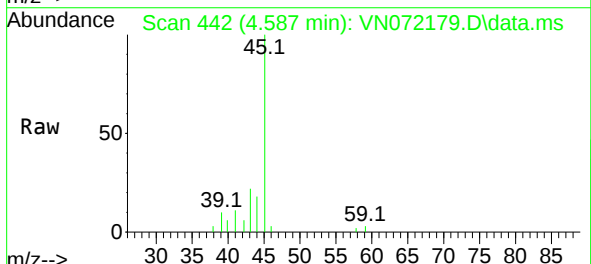
Instrument :
MSVOA_N
ClientSampleId :
33660

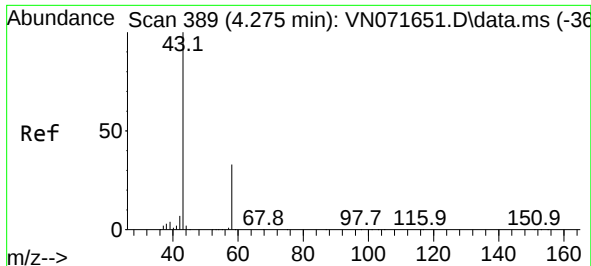
Tgt Ion: 59 Resp: 1791
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.374 ug/l
RT: 4.587 min Scan# 442
Delta R.T. -0.253 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 41 Resp: 2588
Ion Ratio Lower Upper
41 100
39 72.3 53.2 79.8
76 0.0 29.9 44.9#

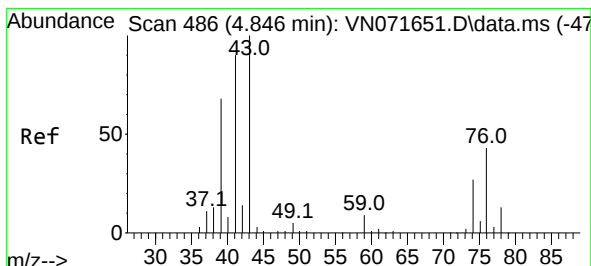
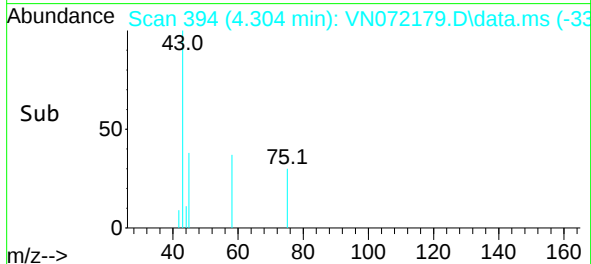
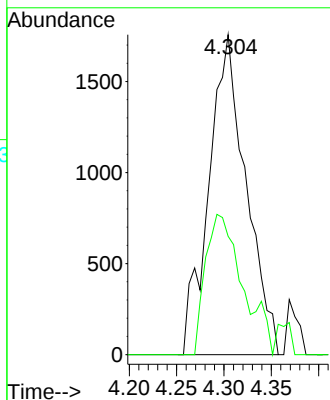
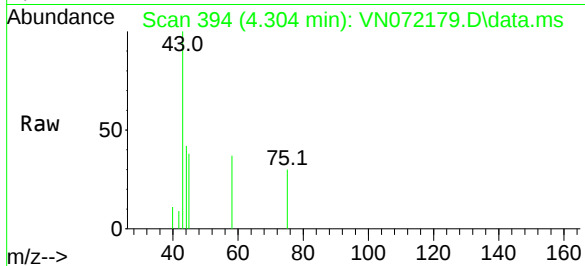




#16
Acetone
Concen: 1.912 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.029 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

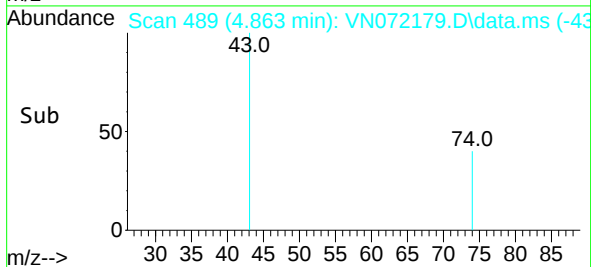
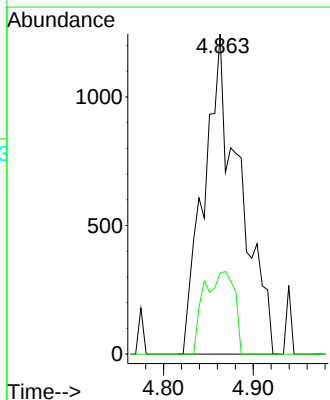
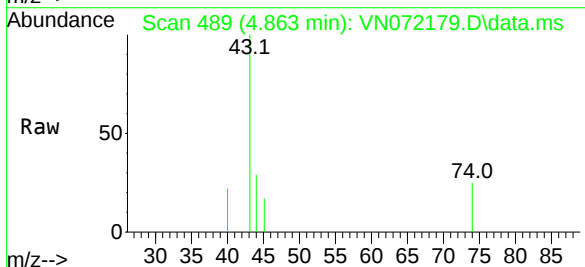
Instrument :
MSVOA_N
ClientSampleId :
33660

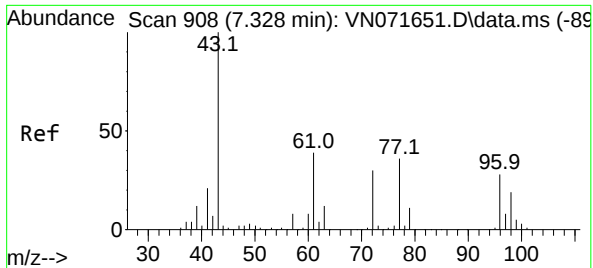
Tgt Ion: 43 Resp: 4816
Ion Ratio Lower Upper
43 100
58 37.0 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
74 21.9 21.6 32.4

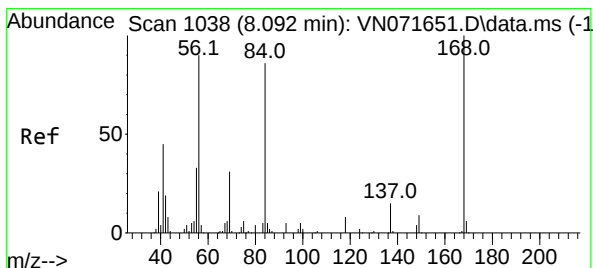
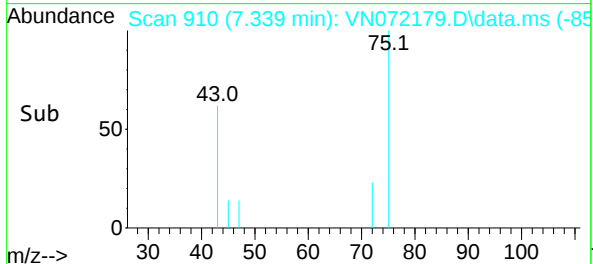
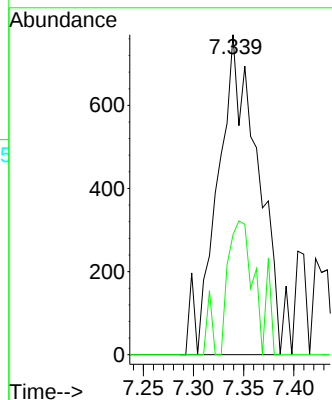
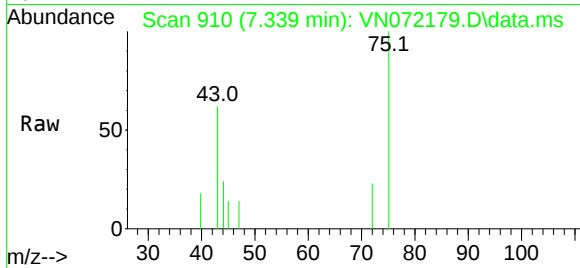




#25
2-Butanone
Concen: 0.586 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

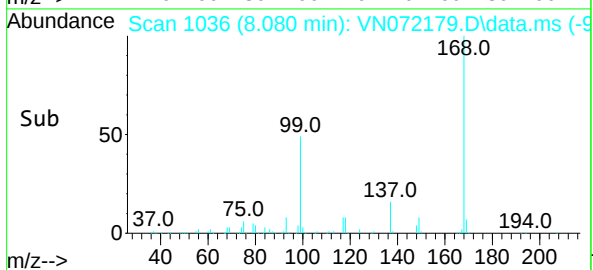
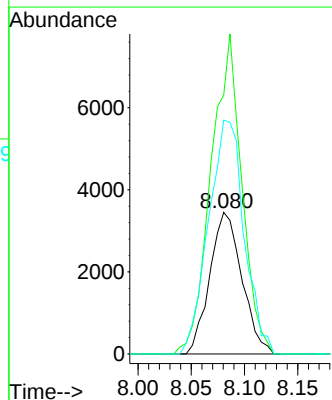
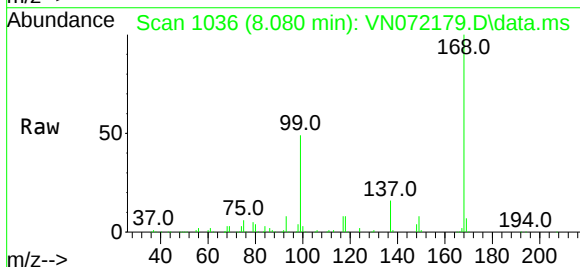
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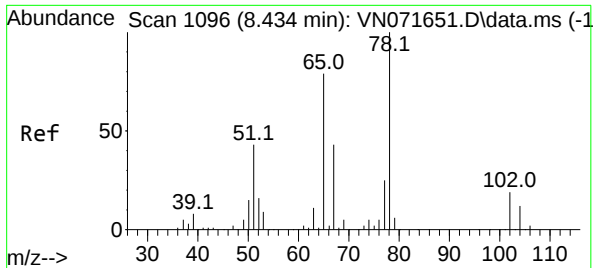
Tgt Ion: 43 Resp: 2127
Ion Ratio Lower Upper
43 100
72 37.5 23.7 35.5#



#31
Cyclohexane
Concen: 0.903 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 56 Resp: 7238
Ion Ratio Lower Upper
56 100
69 182.9 27.8 41.8#
84 165.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.316 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072179.D

Acq: 25 Apr 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

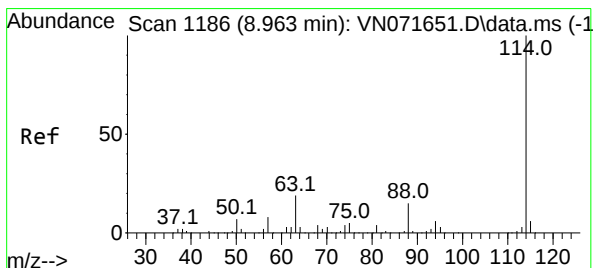
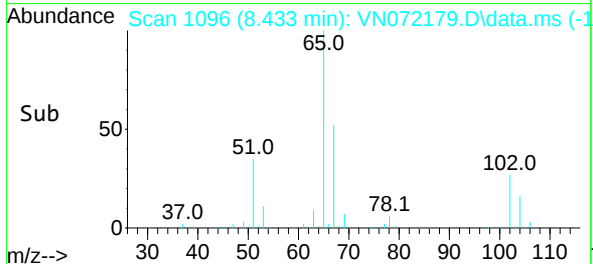
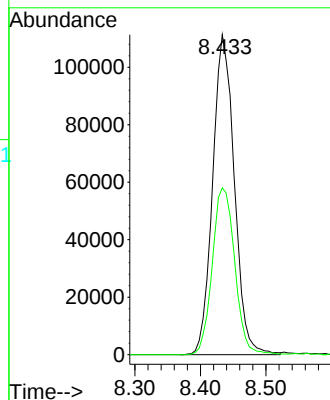
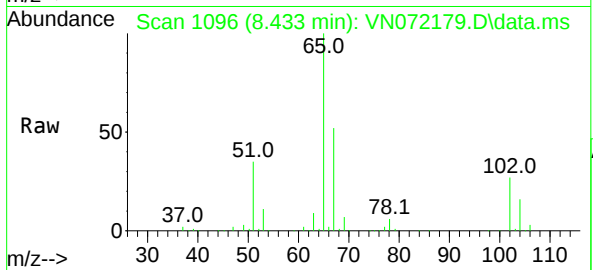
33660

Tgt Ion: 65 Resp: 255339

Ion Ratio Lower Upper

65 100

67 54.2 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: VN072179.D

Acq: 25 Apr 2022 15:03

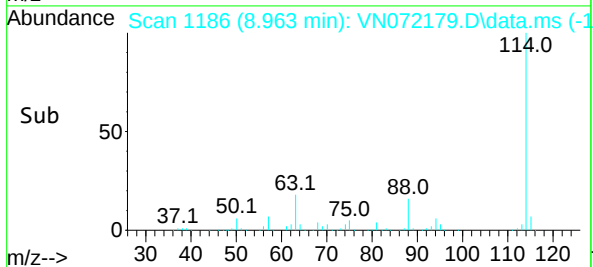
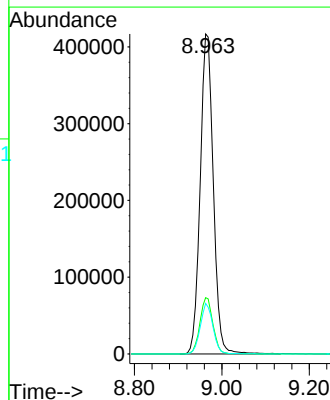
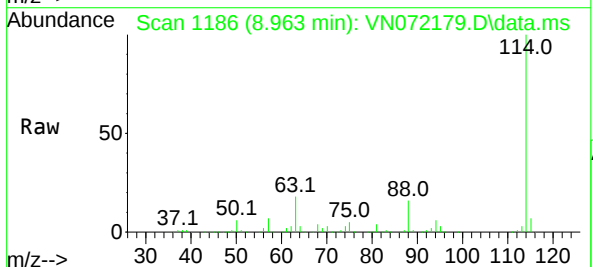
Tgt Ion: 114 Resp: 870320

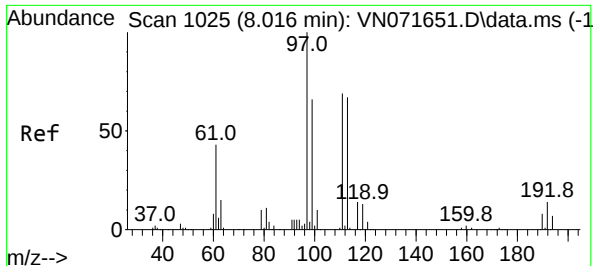
Ion Ratio Lower Upper

114 100

63 17.6 0.0 40.0

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.290 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072179.D

Acq: 25 Apr 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

33660

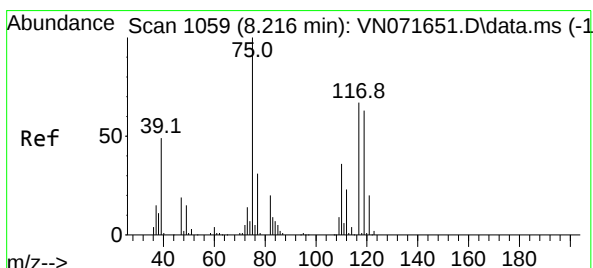
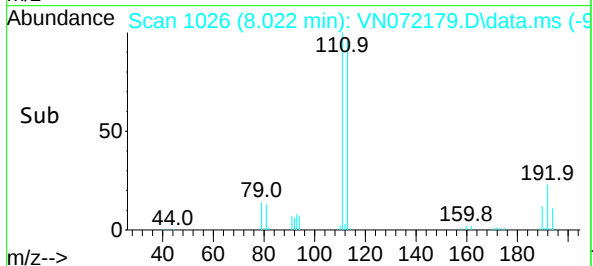
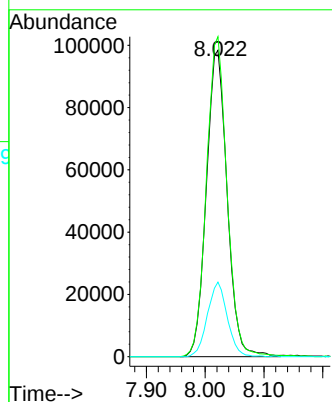
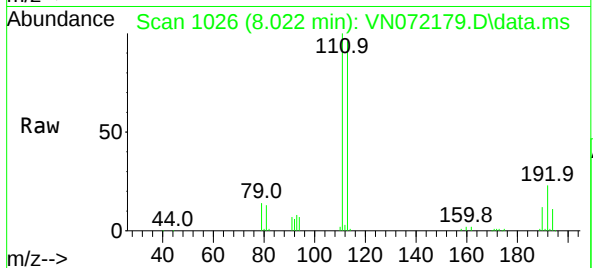
Tgt Ion:113 Resp: 242190

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 23.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.437 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072179.D

Acq: 25 Apr 2022 15:03

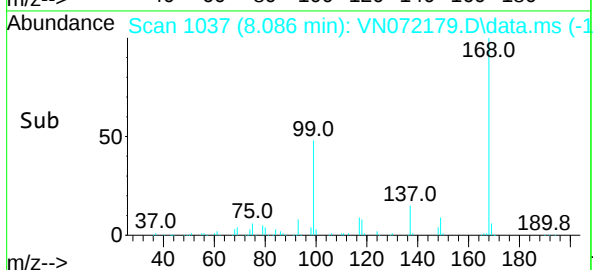
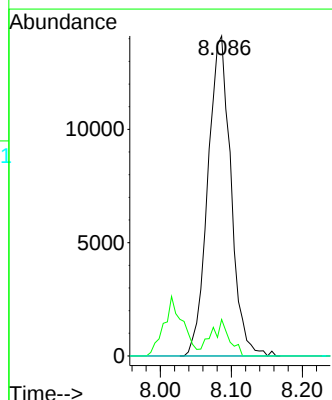
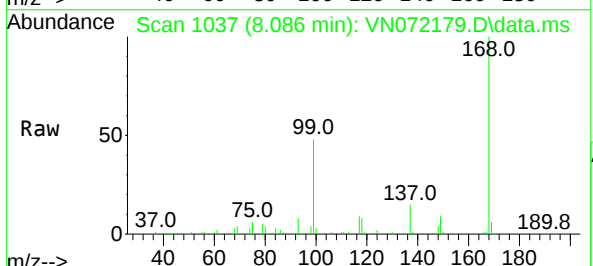
Tgt Ion: 75 Resp: 31732

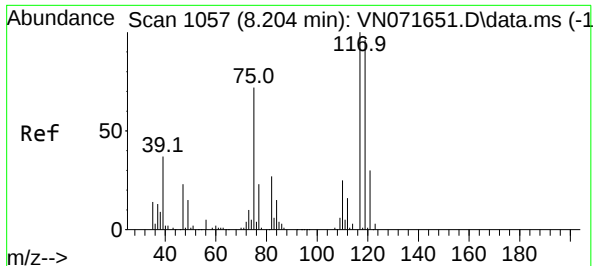
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#

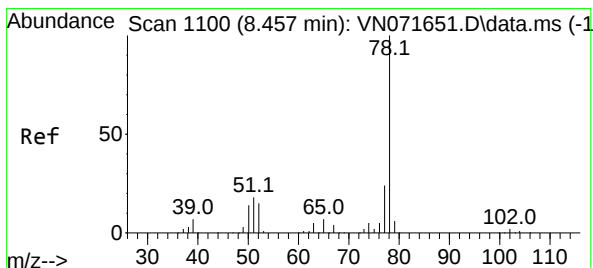
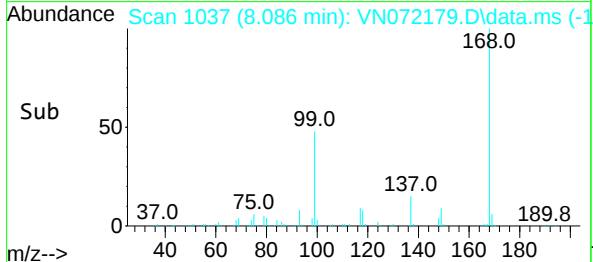
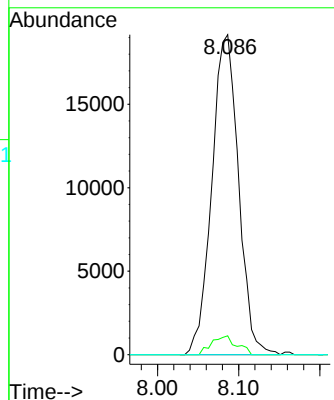
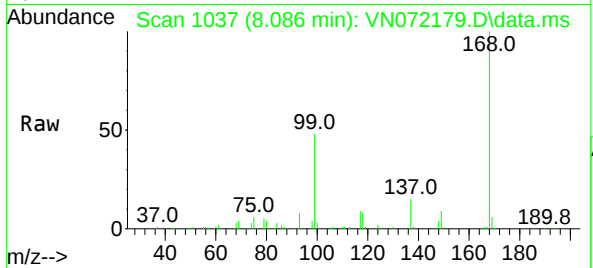




#38
Carbon Tetrachloride
Concen: 6.248 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

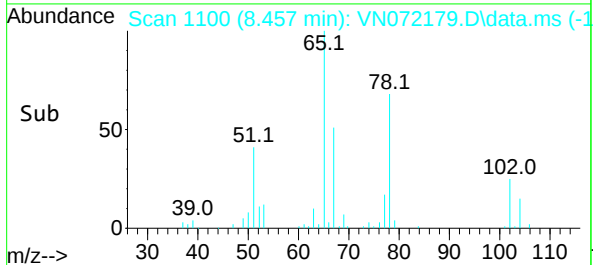
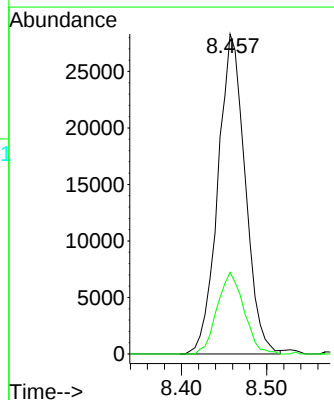
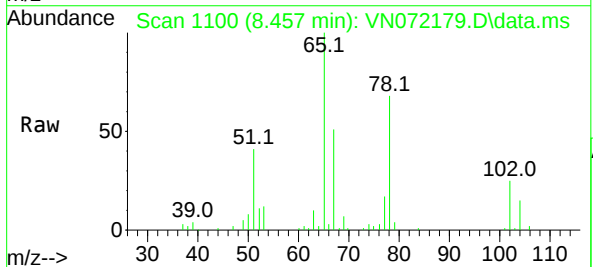
Instrument :
MSVOA_N
ClientSampleId :
33660

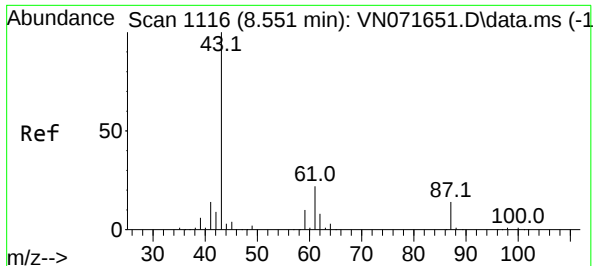
Tgt Ion:117 Resp: 43792
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 2.780 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 78 Resp: 62816
Ion Ratio Lower Upper
78 100
77 25.5 19.4 29.0





#43

Isopropyl Acetate

Concen: 1.001 ug/l

RT: 8.633 min Scan# 1116

Delta R.T. 0.082 min

Lab File: VN072179.D

Acq: 25 Apr 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

33660

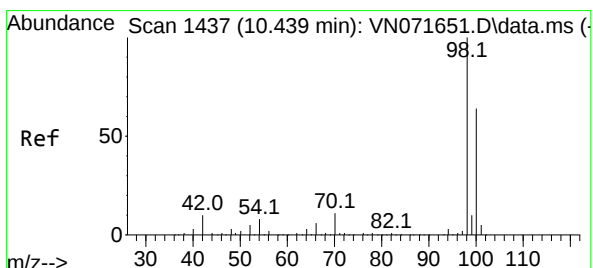
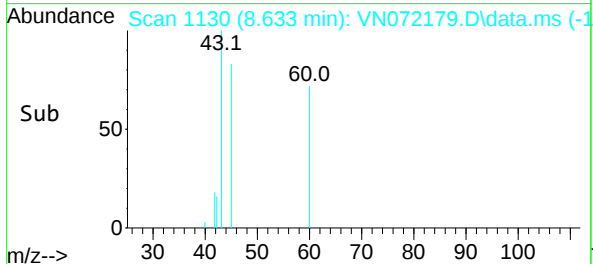
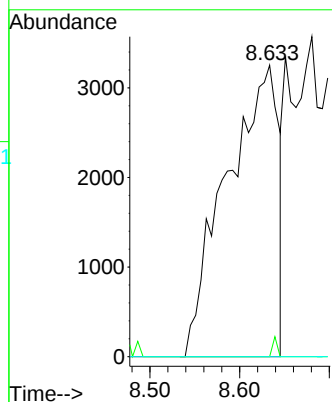
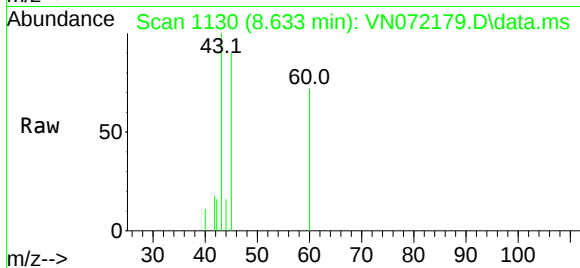
Tgt Ion: 43 Resp: 13031

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 51.717 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072179.D

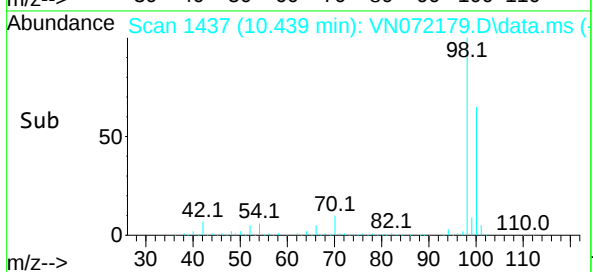
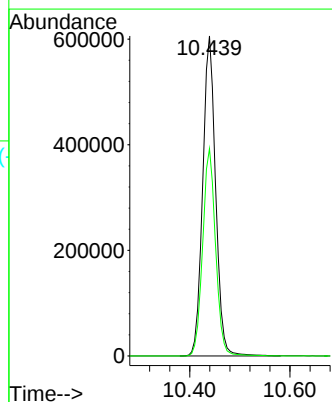
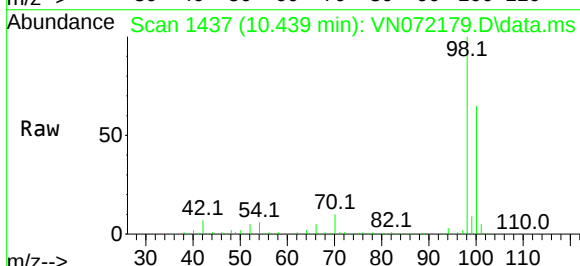
Acq: 25 Apr 2022 15:03

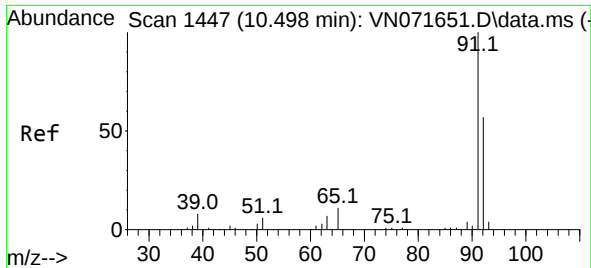
Tgt Ion: 98 Resp: 1083484

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

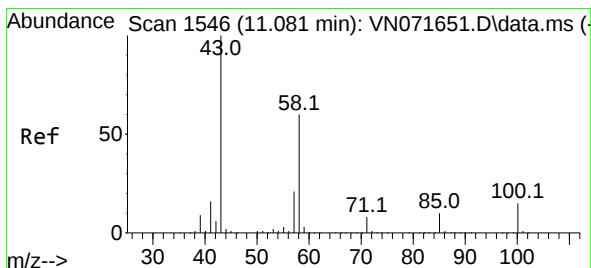
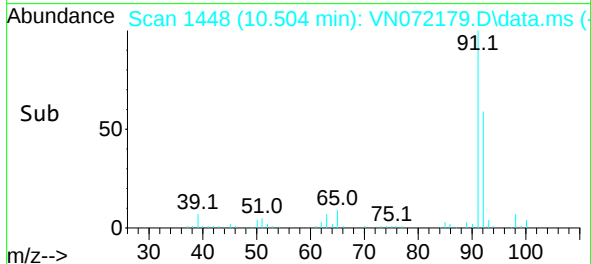
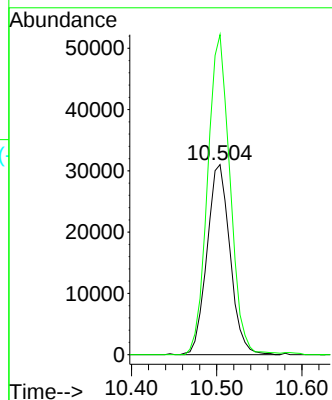
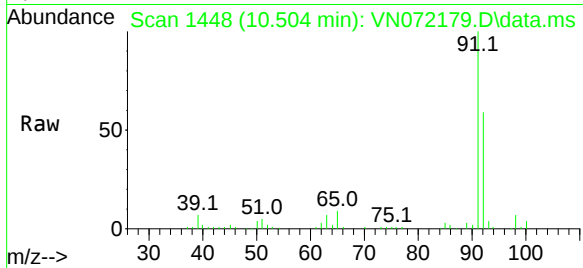




#52
Toluene
Concen: 4.082 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

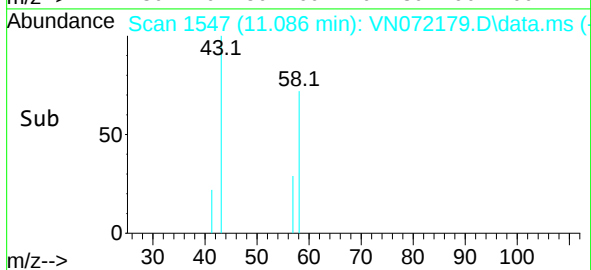
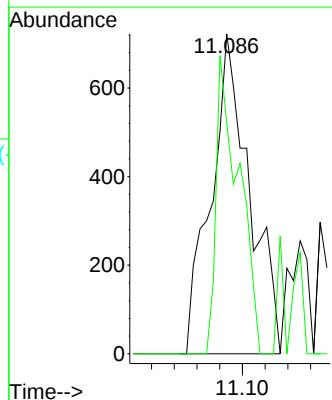
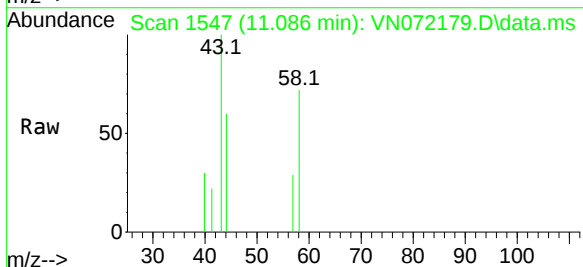
Instrument :
MSVOA_N
ClientSampleId :
33660

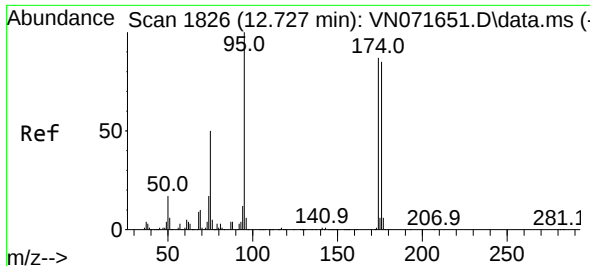
Tgt Ion: 92 Resp: 58294
Ion Ratio Lower Upper
92 100
91 164.1 138.6 207.8



#59
2-Hexanone
Concen: 0.322 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 55.2 29.7 89.1

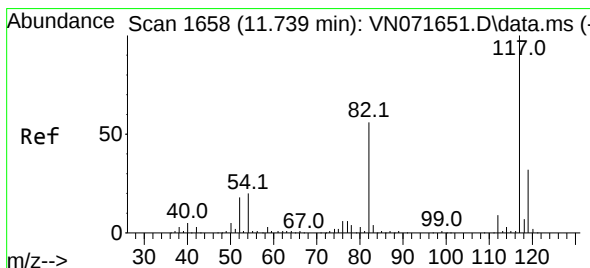
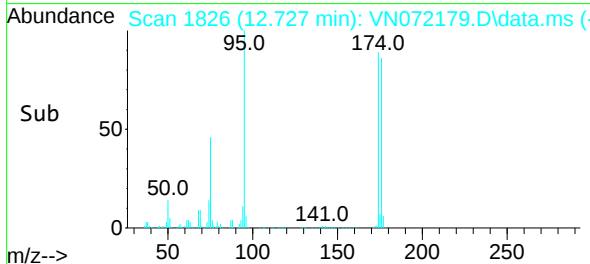
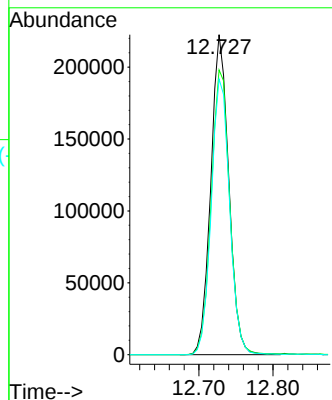
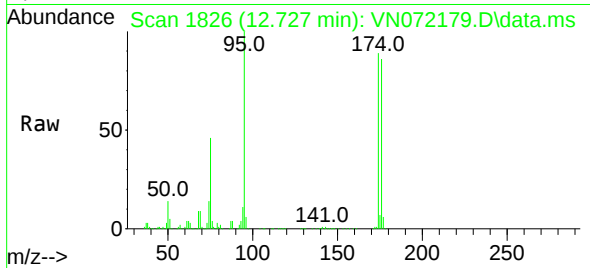




#62
4-Bromofluorobenzene
Concen: 55.446 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

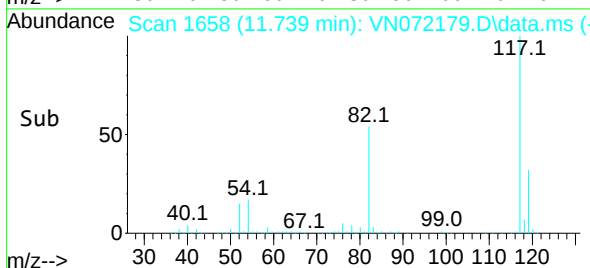
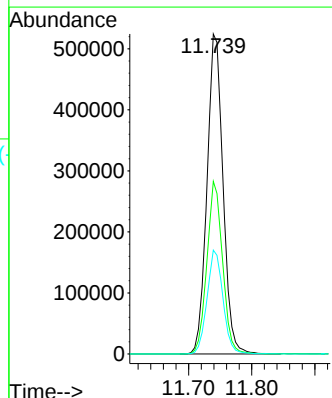
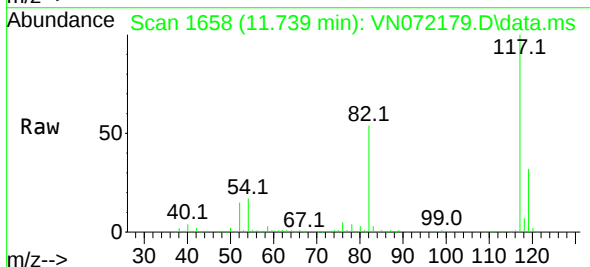
Instrument :
MSVOA_N
ClientSampleId :
33660

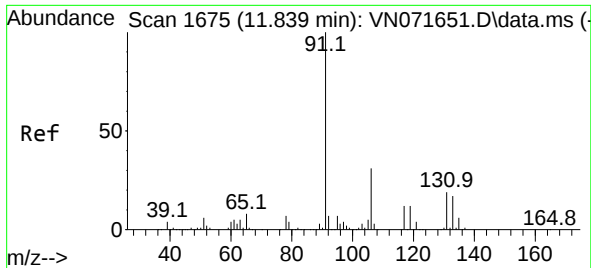
Tgt Ion: 95 Resp: 375679
Ion Ratio Lower Upper
95 100
174 91.6 0.0 167.6
176 87.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion: 117 Resp: 925003
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.4 25.4 38.0

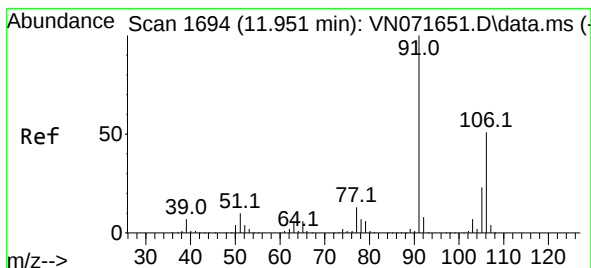
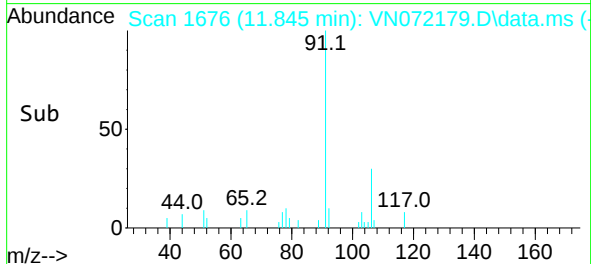
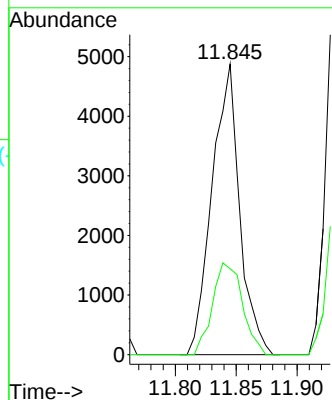
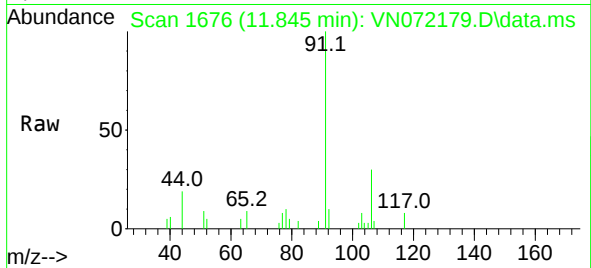




#67
Ethyl Benzene
Concen: 0.245 ug/l
RT: 11.845 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

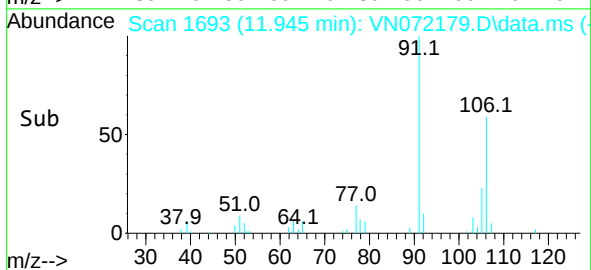
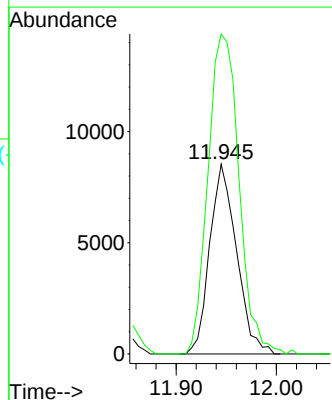
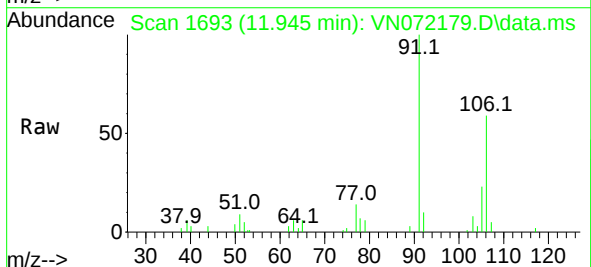
Instrument :
MSVOA_N
ClientSampleId :
33660

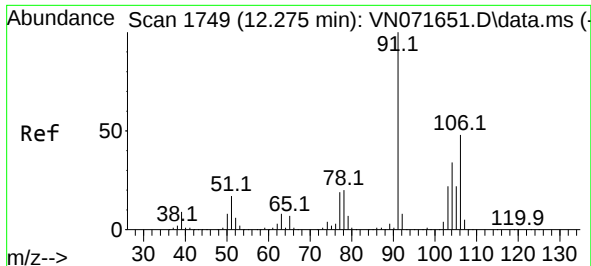
Tgt Ion: 91 Resp: 7685
Ion Ratio Lower Upper
91 100
106 29.6 24.9 37.3



#68
m/p-Xylenes
Concen: 1.318 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion:106 Resp: 15877
Ion Ratio Lower Upper
106 100
91 195.1 158.9 238.3

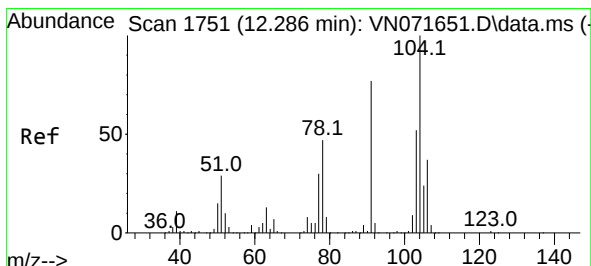
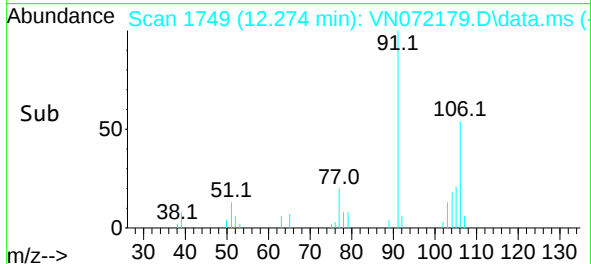
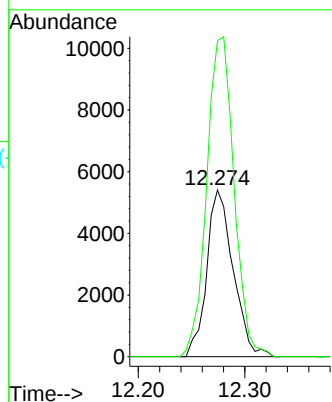
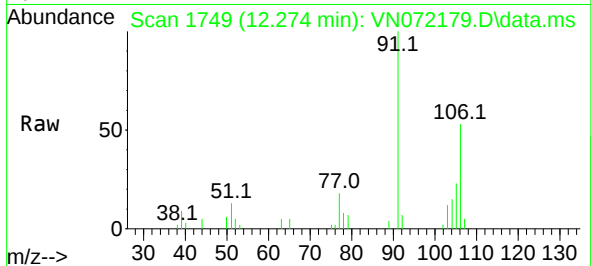




#69
o-Xylene
Concen: 0.780 ug/l
RT: 12.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

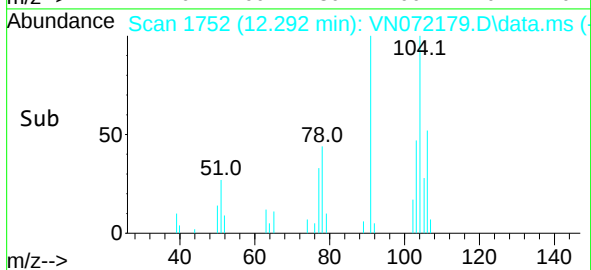
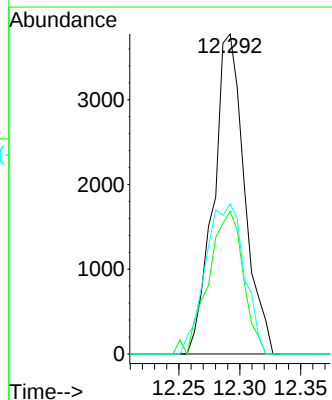
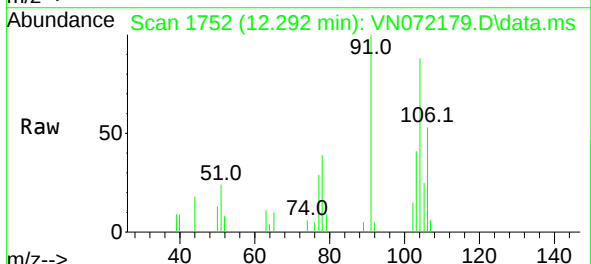
Instrument :
MSVOA_N
ClientSampleId :
33660

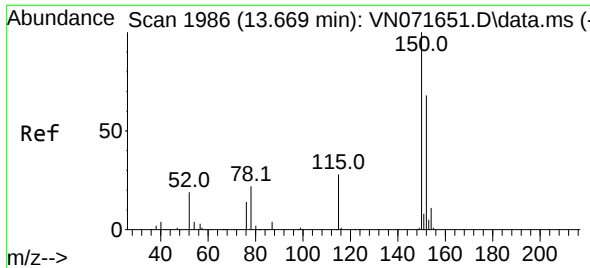
Tgt Ion:106 Resp: 9322
Ion Ratio Lower Upper
106 100
91 198.4 106.0 318.0



#70
Styrene
Concen: 0.369 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion:104 Resp: 6687
Ion Ratio Lower Upper
104 100
78 50.0 39.5 59.3
103 58.7 44.0 66.0

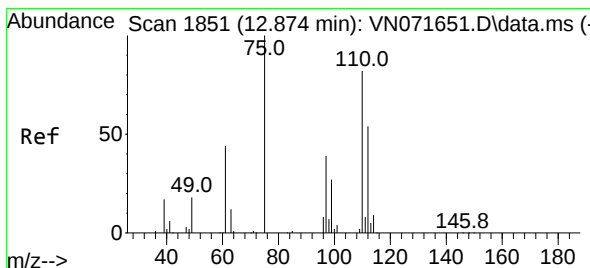
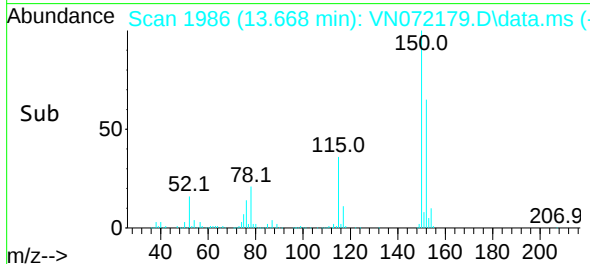
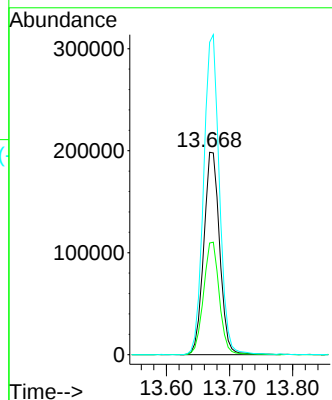
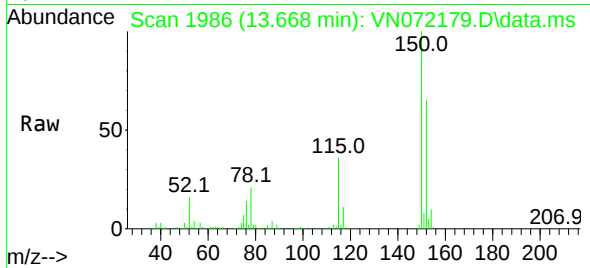




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072179.D
 Acq: 25 Apr 2022 15:03

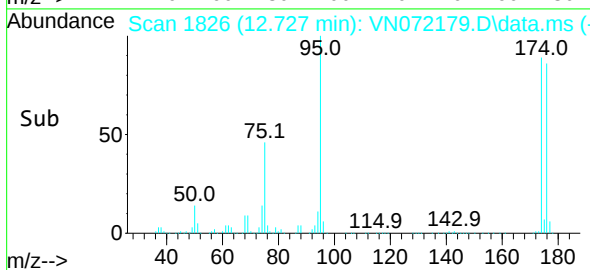
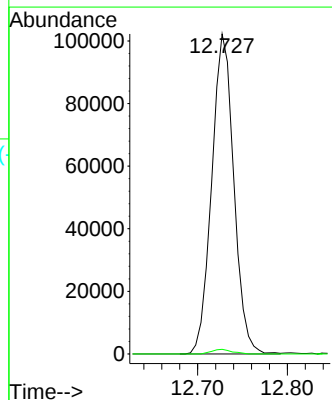
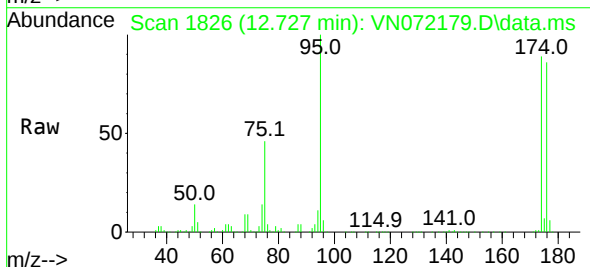
Instrument :
 MSVOA_N
 ClientSampleId :
 33660

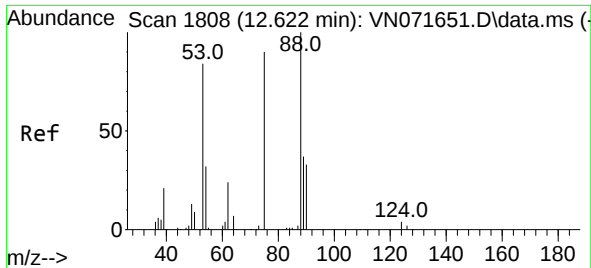
Tgt Ion:152 Resp: 347261
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.9 86.7
 150 156.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.725 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072179.D
 Acq: 25 Apr 2022 15:03

Tgt Ion: 75 Resp: 174766
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

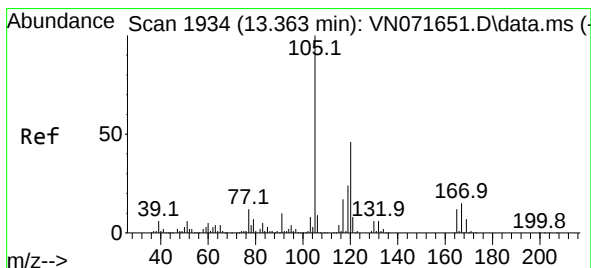
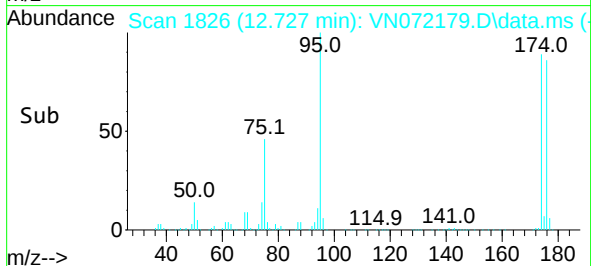
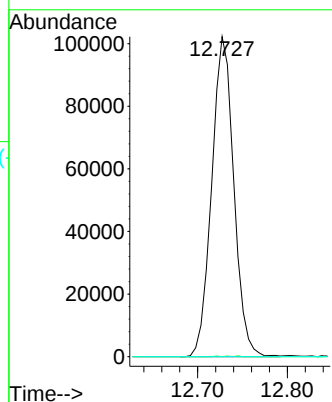
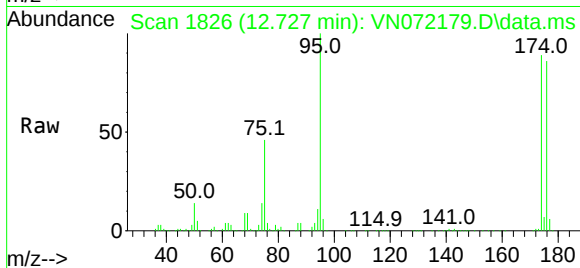




#81
trans-1,4-Dichloro-2-butene
Concen: 67.324 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

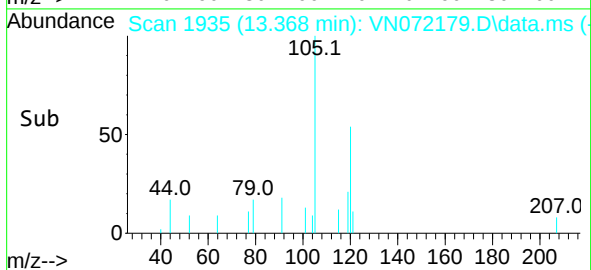
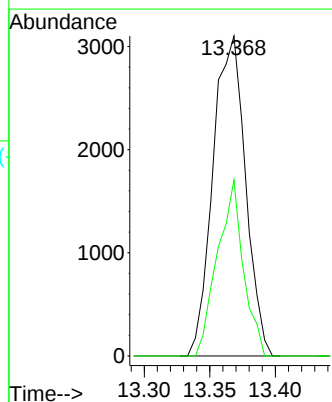
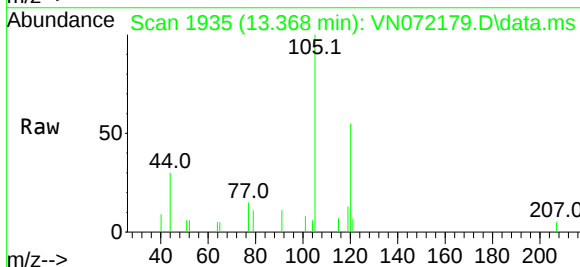
Instrument :
MSVOA_N
ClientSampleId :
33660

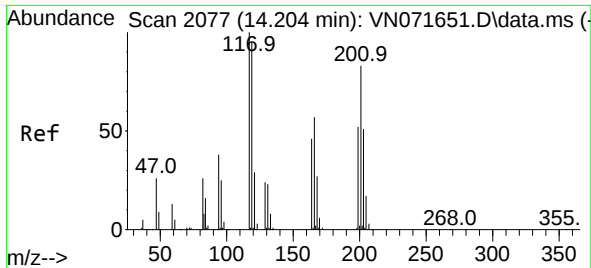
Tgt Ion: 75 Resp: 174766
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.236 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion:105 Resp: 5343
Ion Ratio Lower Upper
105 100
120 43.8 23.3 69.8

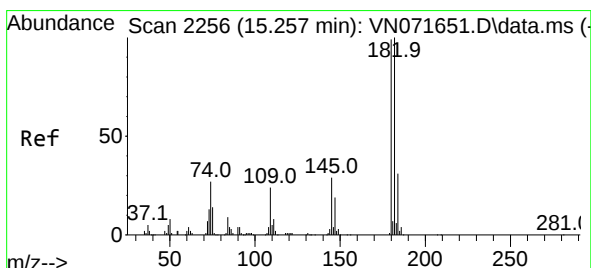
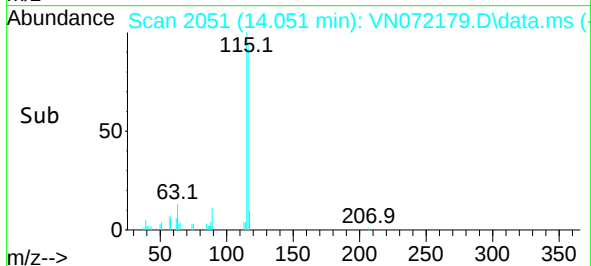
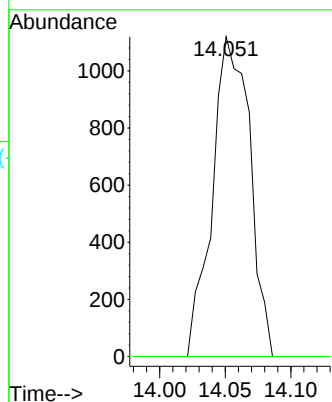
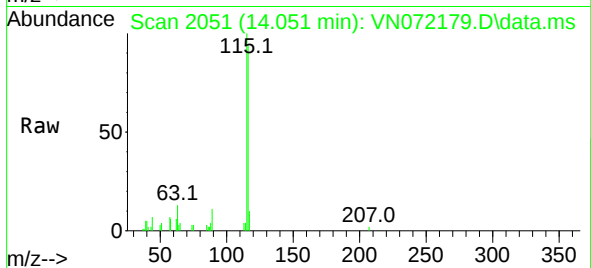




#90
Hexachloroethane
Concen: 0.556 ug/l
RT: 14.051 min Scan# 2077
Delta R.T. -0.153 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

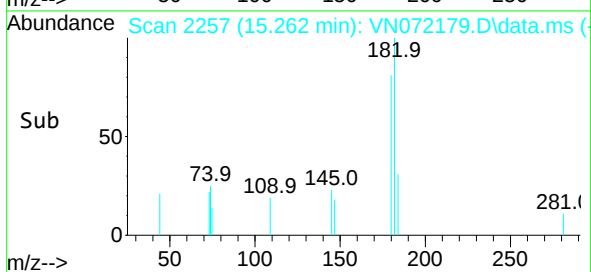
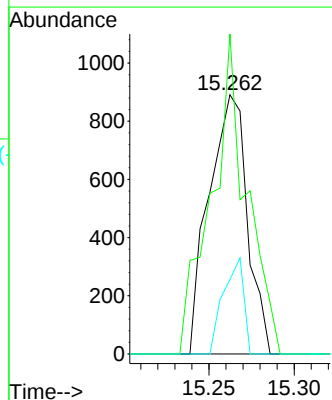
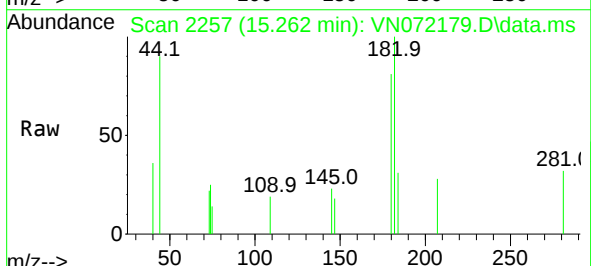
Instrument :
MSVOA_N
ClientSampleId :
33660

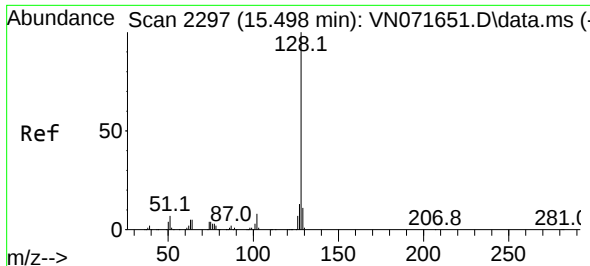
Tgt Ion:117 Resp: 2231
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.328 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion:180 Resp: 1395
Ion Ratio Lower Upper
180 100
182 113.4 47.5 142.5
145 19.6 14.5 43.5

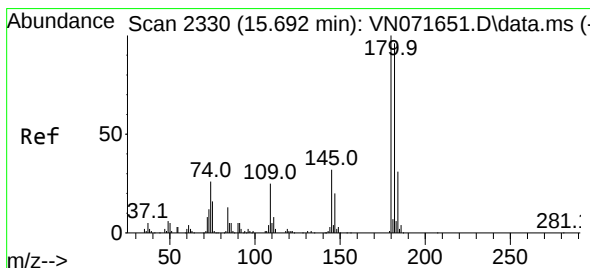
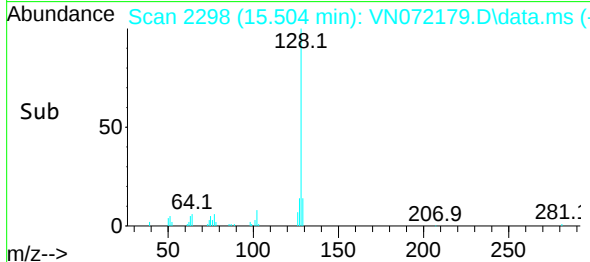
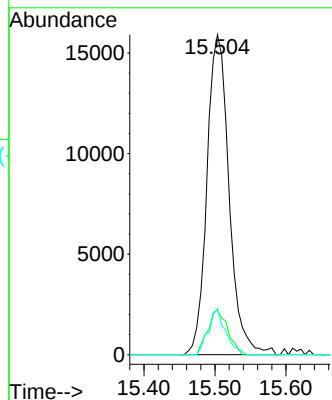
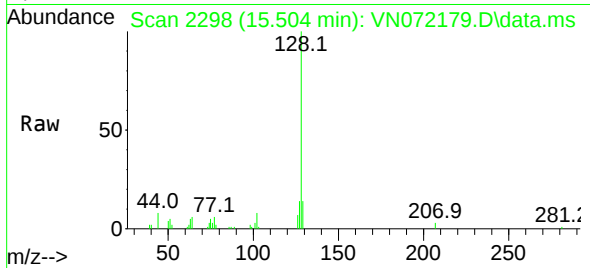




#95
Naphthalene
Concen: 5.817 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :
33660

Tgt Ion:128 Resp: 34464
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.719 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072179.D
Acq: 25 Apr 2022 15:03

Tgt Ion:180 Resp: 1716
Ion Ratio Lower Upper
180 100
182 94.2 47.8 143.3
145 27.4 15.5 46.5

