

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071040.D
 Acq On : 23 Feb 2022 18:08
 Operator : JC\MD
 Sample : N1642-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31455

Quant Time: Feb 24 00:41:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

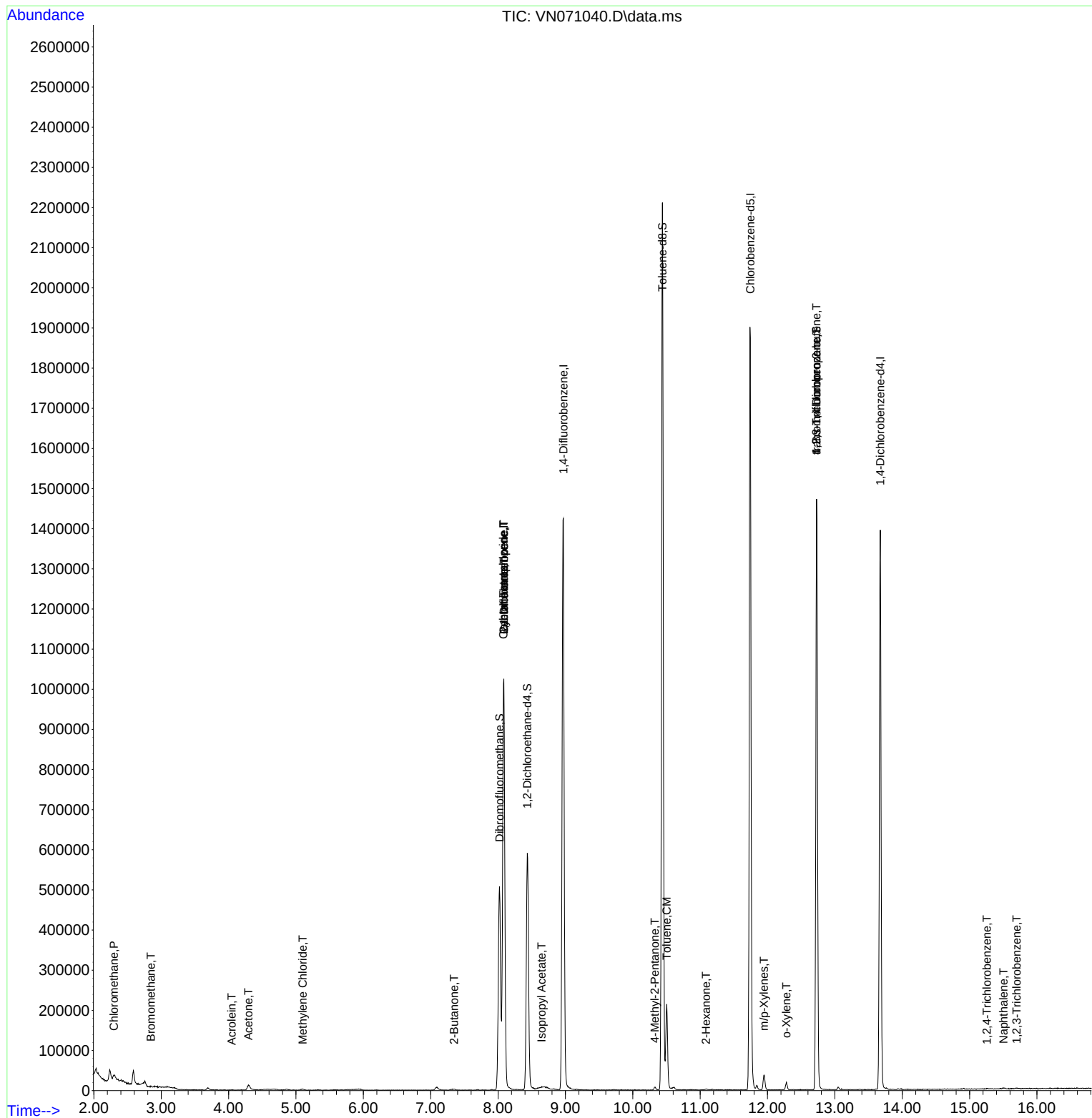
Internal Standards						
1) Pentafluorobenzene	8.086	168	806897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1282094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1135824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	401520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	487695	52.911	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.820%			
35) Dibromofluoromethane	8.022	113	378842	49.678	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.360%			
50) Toluene-d8	10.439	98	1546549	50.500	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.000%			
62) 4-Bromofluorobenzene	12.727	95	526617	48.107	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.220%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2802	0.266	ug/l #	83
5) Bromomethane	2.846	94	1229	0.205	ug/l #	73
13) Acrolein	4.045	56	392	0.261	ug/l	97
16) Acetone	4.292	43	20829	4.103	ug/l	93
18) Methyl Acetate	4.863	43	5175	Below Cal	#	78
20) Methylene Chloride	5.098	84	1960	0.212	ug/l #	79
25) 2-Butanone	7.345	43	4207	0.623	ug/l #	71
31) Cyclohexane	8.086	56	15655	0.982	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	61222	4.900	ug/l #	49
38) Carbon Tetrachloride	8.080	117	76848	6.243	ug/l #	17
43) Isopropyl Acetate	8.645	43	9631	0.456	ug/l #	55
51) 4-Methyl-2-Pentanone	10.327	43	5691	0.443	ug/l	96
52) Toluene	10.504	92	88854	3.826	ug/l	96
59) 2-Hexanone	11.086	43	1965	0.222	ug/l	88
68) m/p-Xylenes	11.945	106	12532	0.757	ug/l	100
69) o-Xylene	12.280	106	4765	0.295	ug/l	94
76) 1,2,3-Trichloropropane	12.727	75	263868	27.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	263868	90.445	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.256	180	781	2.100	ug/l #	91
95) Naphthalene	15.504	128	2694	5.125	ug/l	98
96) 1,2,3-Trichlorobenzene	15.698	180	810	2.629	ug/l #	85

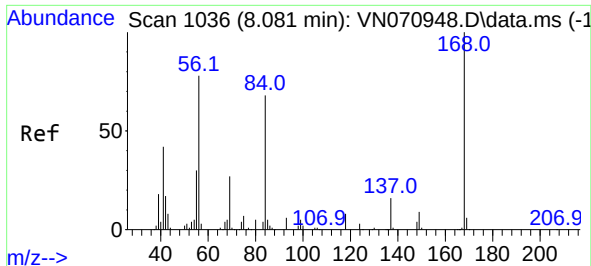
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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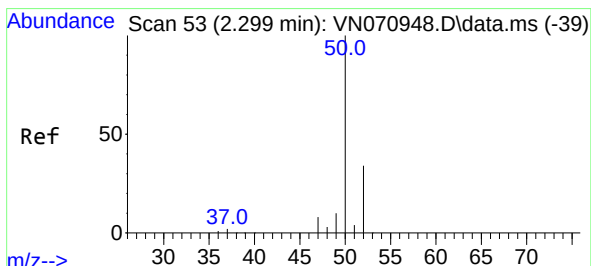
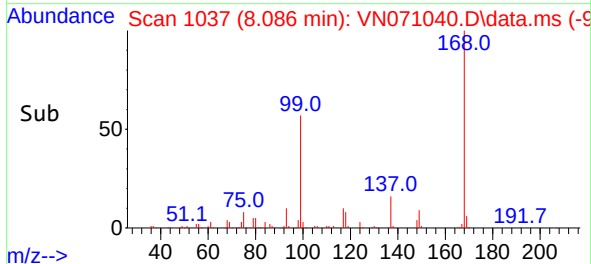
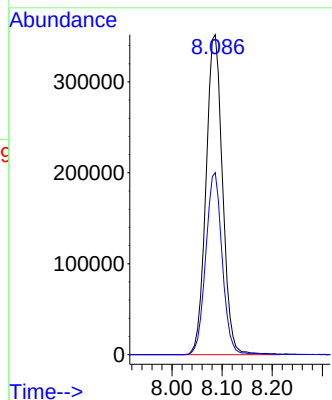
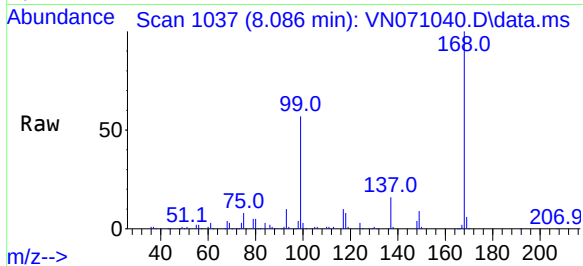




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

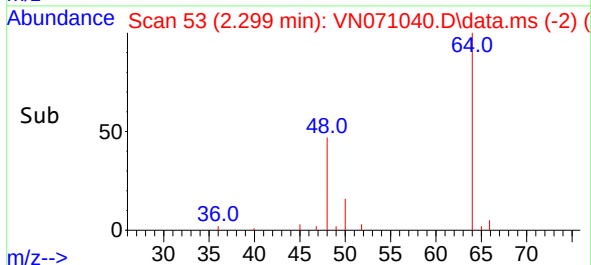
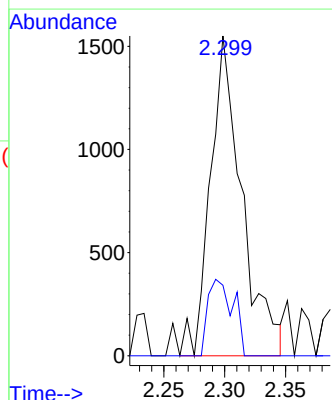
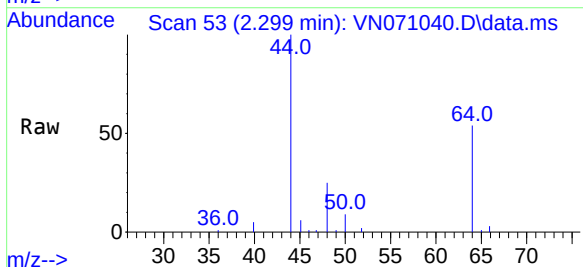
Instrument :
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31455

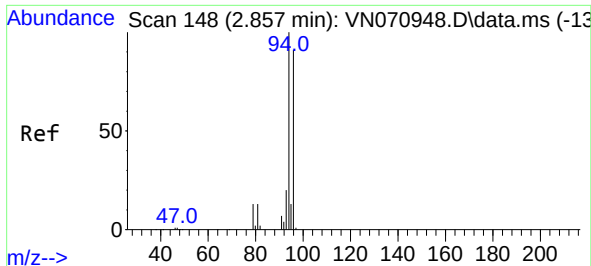
Tgt Ion:168 Resp: 806897
Ion Ratio Lower Upper
168 100
99 56.9 41.3 61.9



#3
Chloromethane
Concen: 0.266 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 50 Resp: 2802
Ion Ratio Lower Upper
50 100
52 22.1 25.4 38.0#

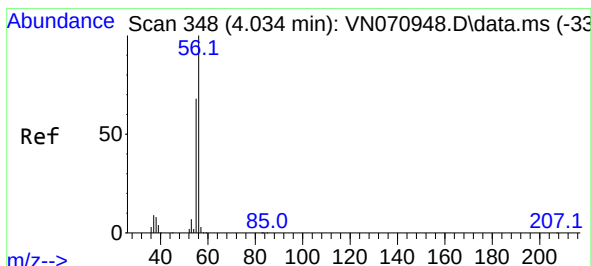
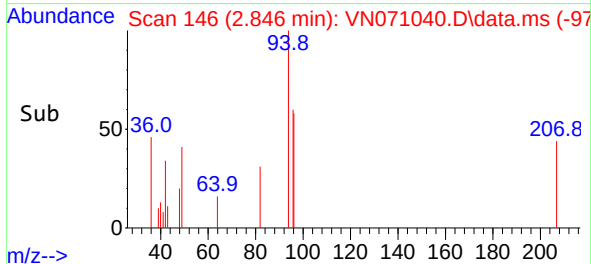
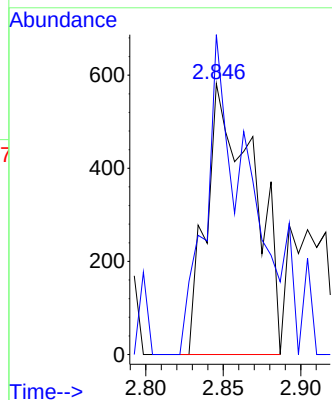
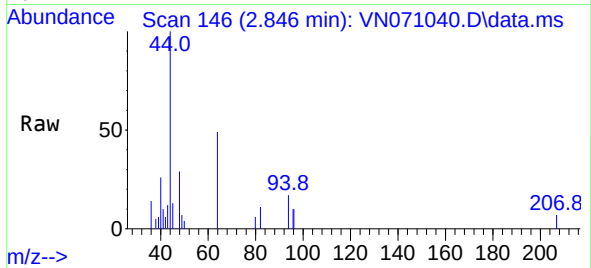




#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.846 min Scan# 14
Delta R.T. -0.012 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

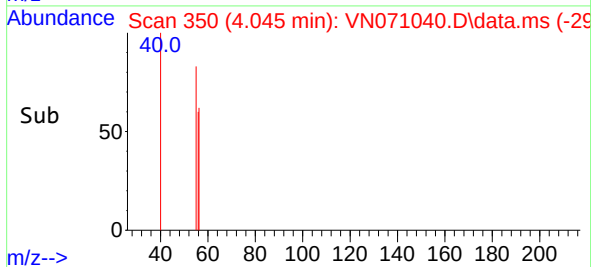
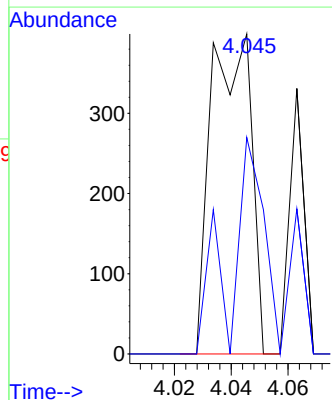
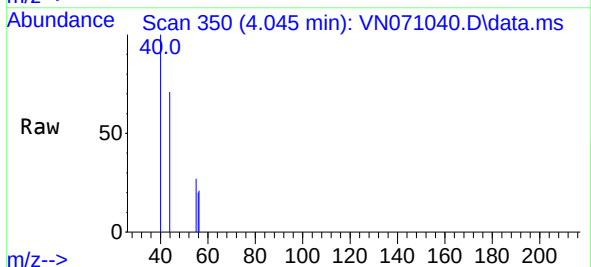
Instrument :
MSVOA_N
ClientSampleId :
31455

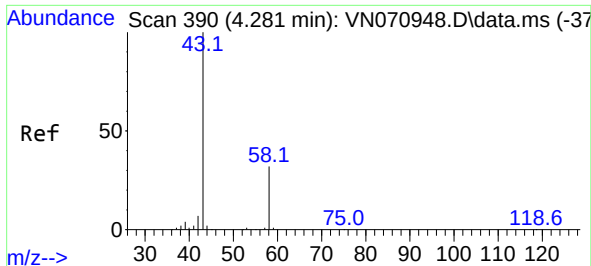
Tgt Ion: 94 Resp: 1229
Ion Ratio Lower Upper
94 100
96 118.0 73.8 110.8#



#13
Acrolein
Concen: 0.261 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.011 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 73.0 56.6 85.0

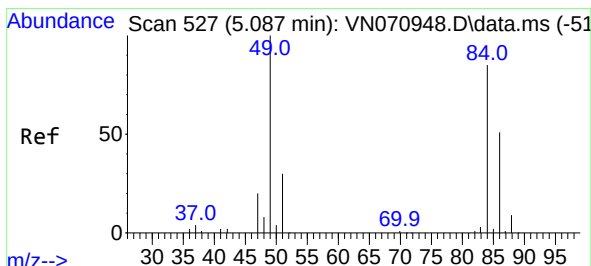
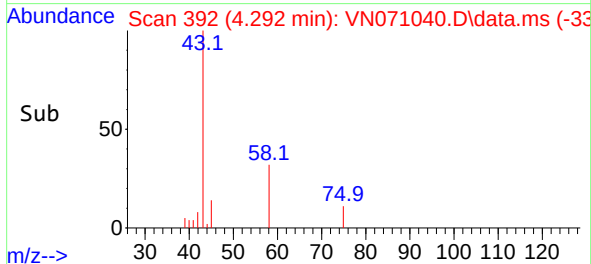
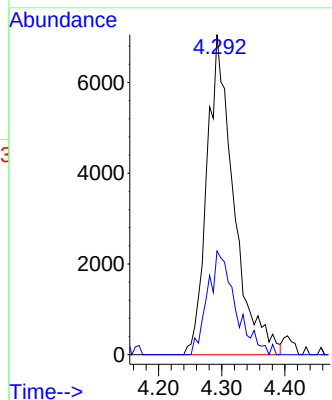
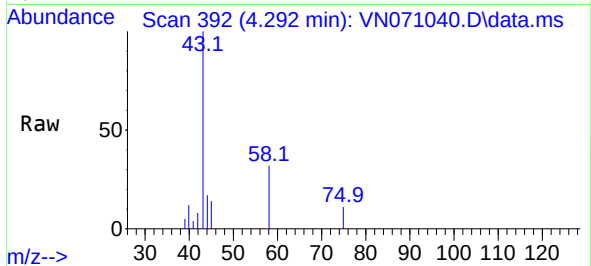




#16
Acetone
Concen: 4.103 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

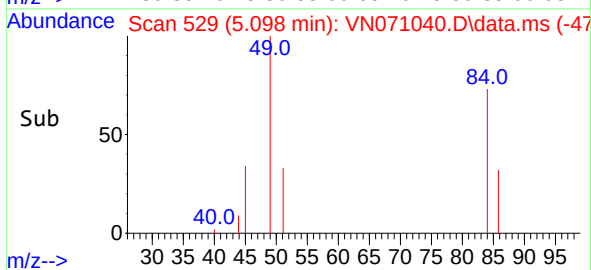
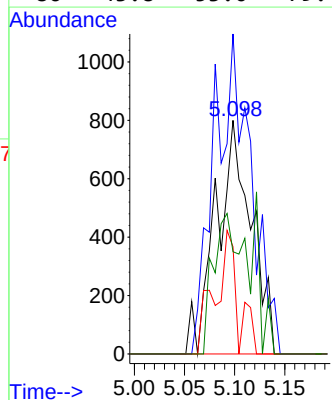
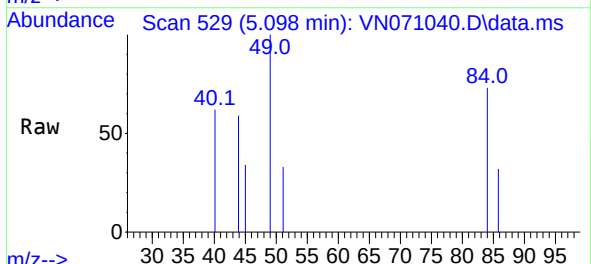
Instrument :
MSVOA_N
ClientSampleId :
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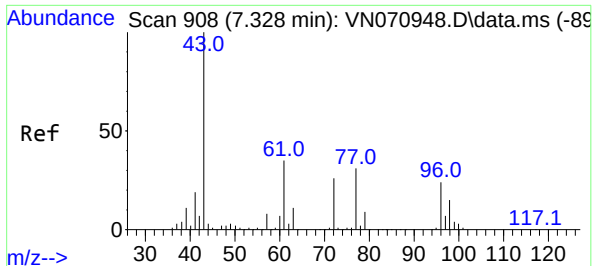
Tgt Ion: 43 Resp: 20829
Ion Ratio Lower Upper
43 100
58 32.4 23.1 34.7



#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 84 Resp: 1960
Ion Ratio Lower Upper
84 100
49 137.0 93.5 140.3
51 45.9 29.4 44.2#
86 43.8 53.0 79.4#

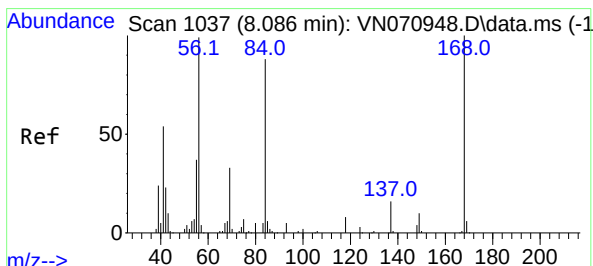
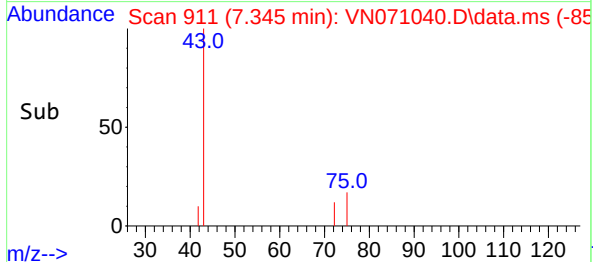
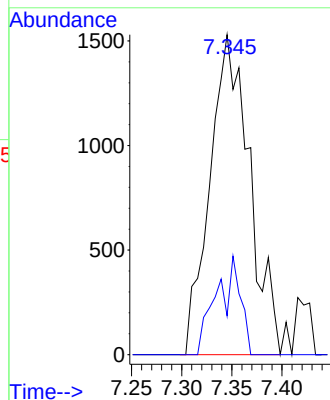
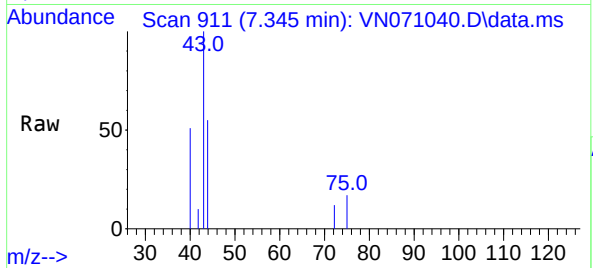




#25
2-Butanone
Concen: 0.623 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

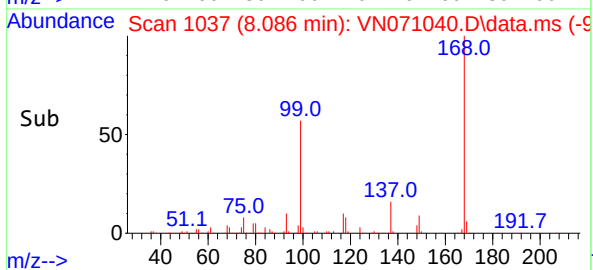
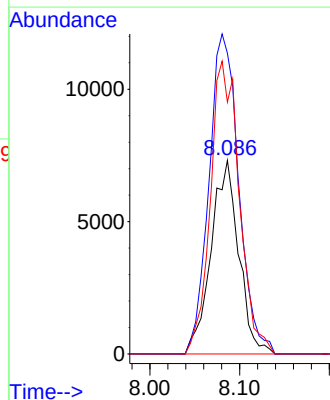
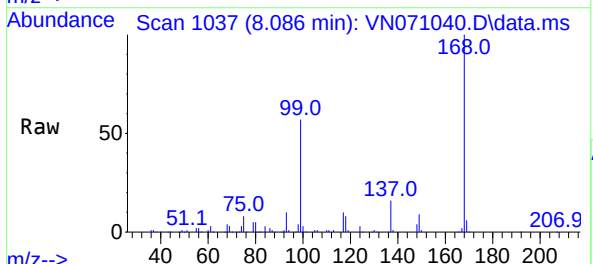
Instrument :
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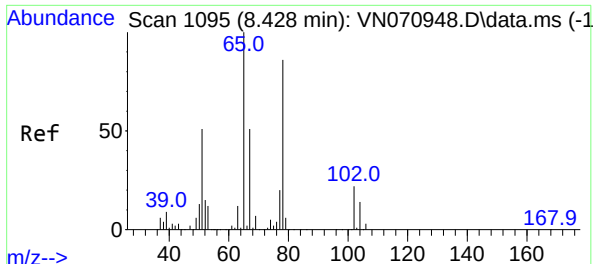
Tgt Ion: 43 Resp: 4207
Ion Ratio Lower Upper
43 100
72 12.2 21.7 32.5#



#31
Cyclohexane
Concen: 0.982 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 56 Resp: 15655
Ion Ratio Lower Upper
56 100
69 155.3 27.1 40.7#
84 130.0 73.4 110.0#

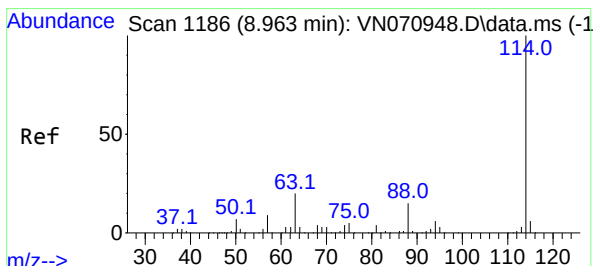
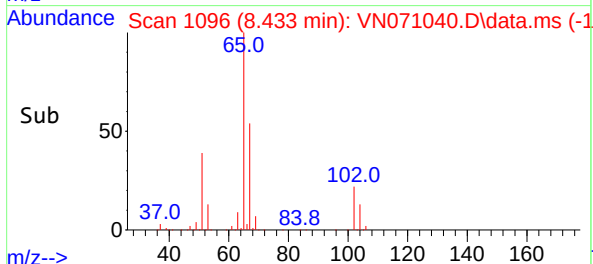
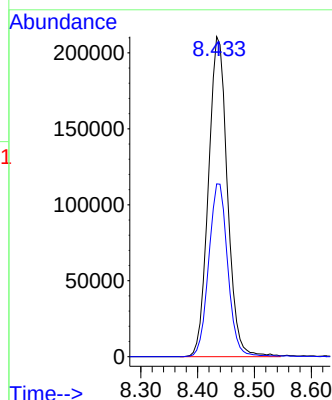
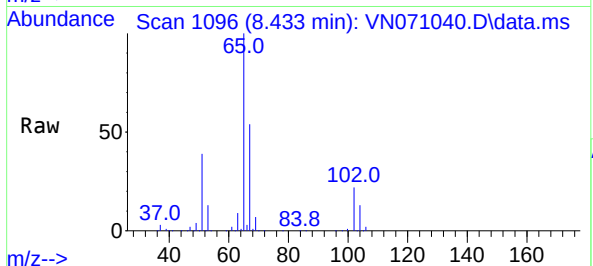




#33
1,2-Dichloroethane-d4
Concen: 52.911 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

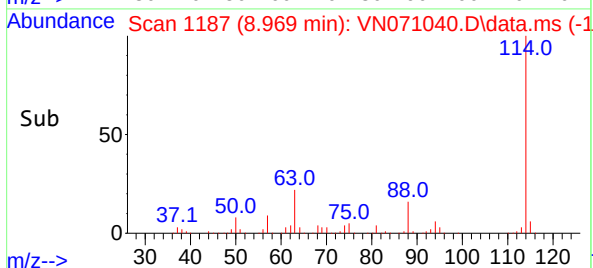
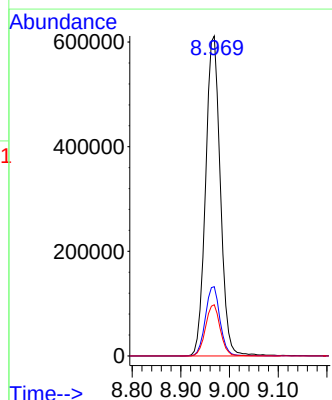
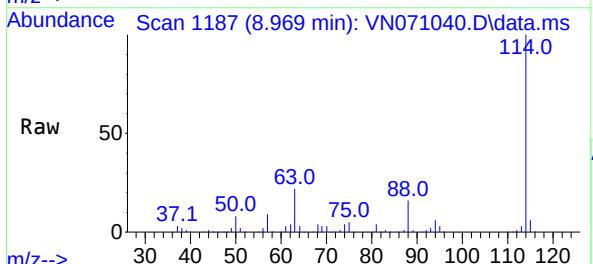
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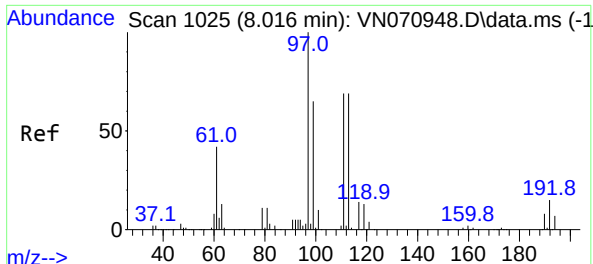
Tgt Ion: 65 Resp: 487695
Ion Ratio Lower Upper
65 100
67 54.1 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 114 Resp: 1282094
Ion Ratio Lower Upper
114 100
63 21.6 0.0 37.8
88 16.0 0.0 27.4





#35

Dibromofluoromethane

Concen: 49.678 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071040.D

Acq: 23 Feb 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

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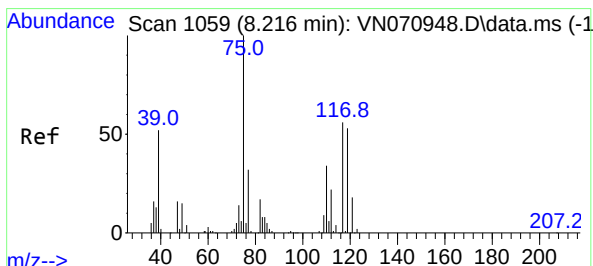
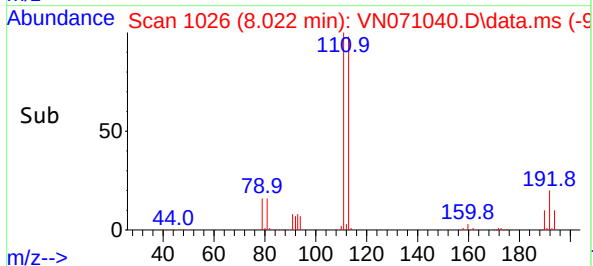
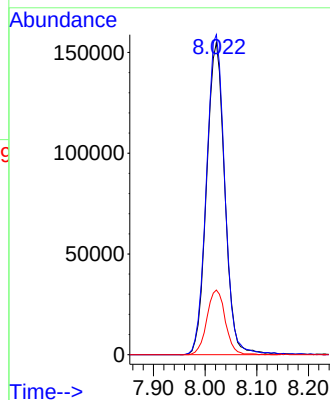
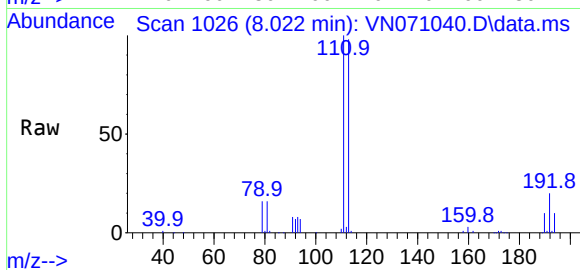
Tgt Ion:113 Resp: 378842

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.900 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071040.D

Acq: 23 Feb 2022 18:08

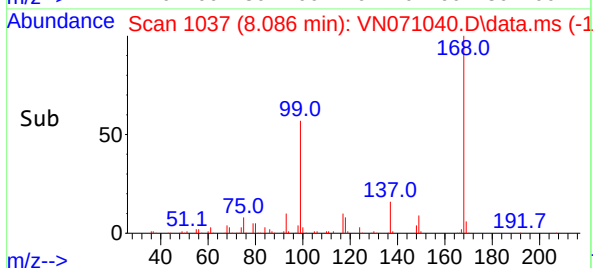
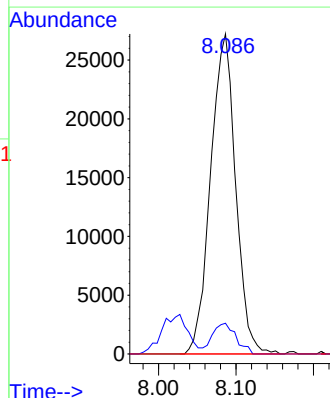
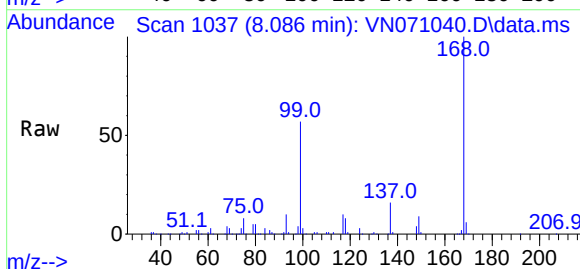
Tgt Ion: 75 Resp: 61222

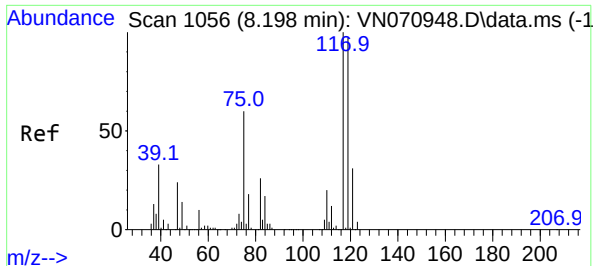
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.4 36.6#

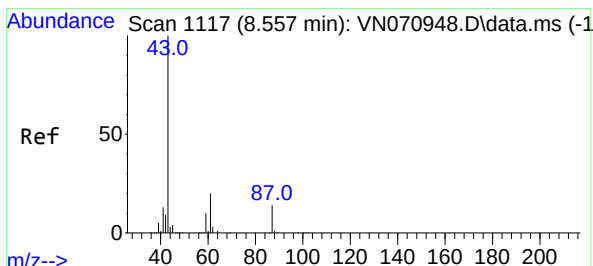
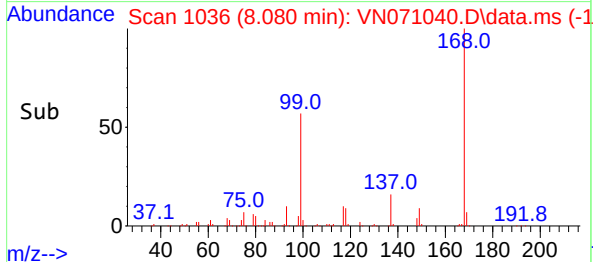
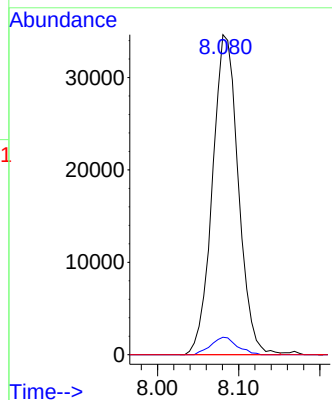
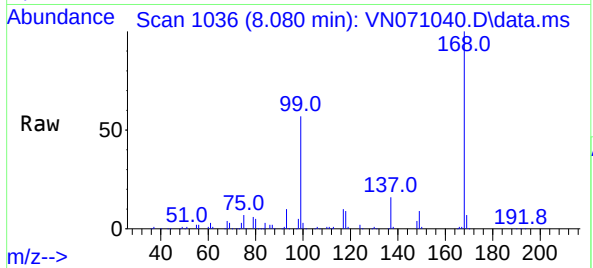




#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 8.080 min Scan# 1132
Delta R.T. -0.118 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

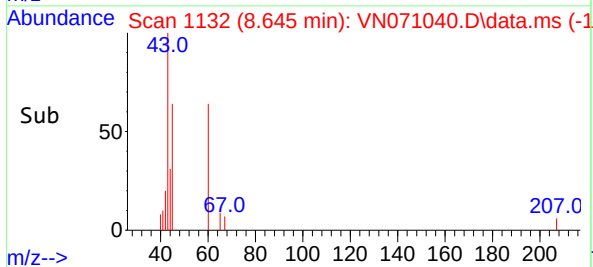
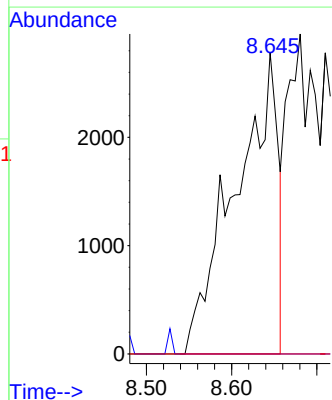
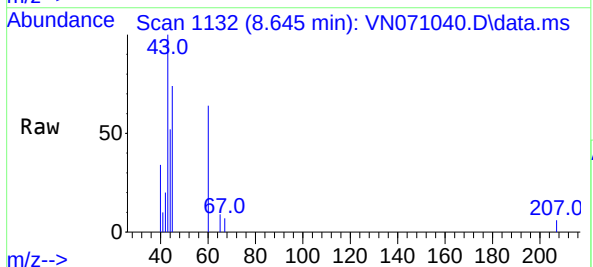
Instrument :
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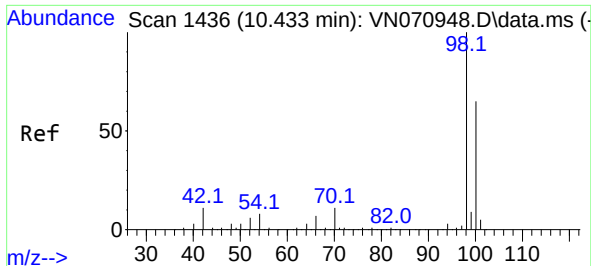
Tgt Ion:117 Resp: 76848
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.456 ug/l
RT: 8.645 min Scan# 1132
Delta R.T. 0.088 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 43 Resp: 9631
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

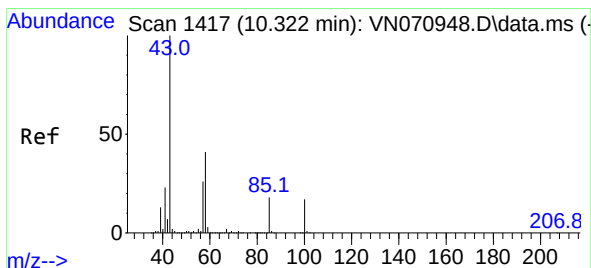
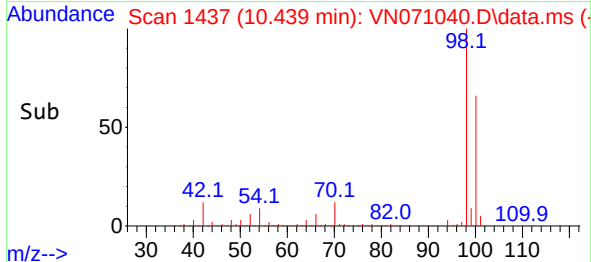
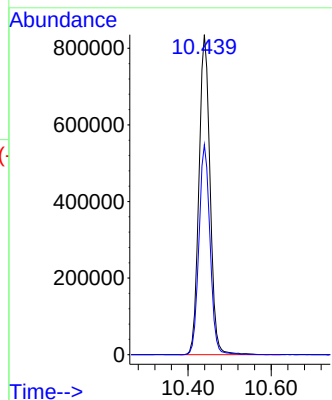
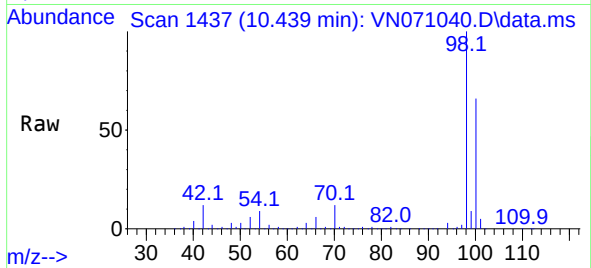




#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

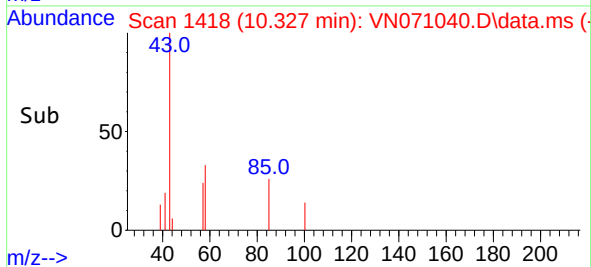
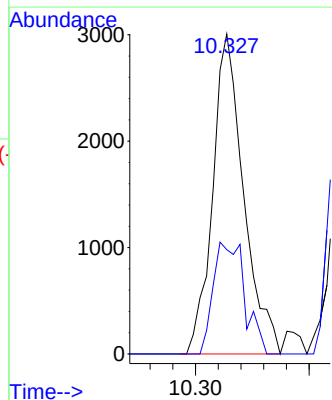
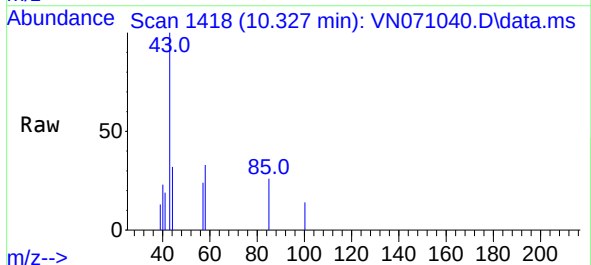
Instrument :
MSVOA_N
ClientSampleId :
31455

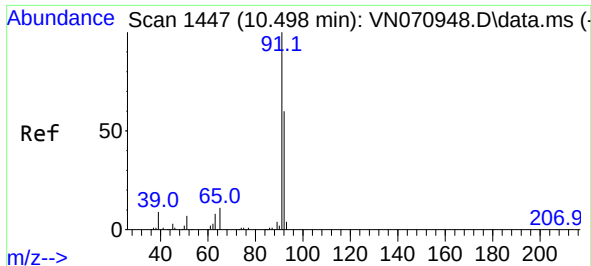
Tgt Ion: 98 Resp: 1546549
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 43 Resp: 5691
Ion Ratio Lower Upper
43 100
58 35.4 30.4 45.6

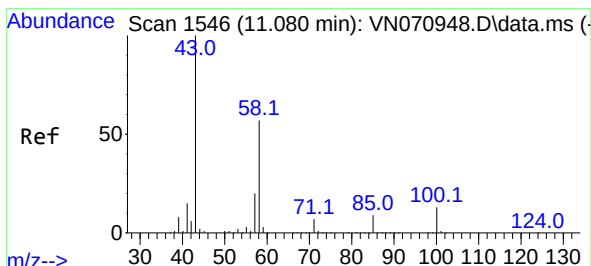
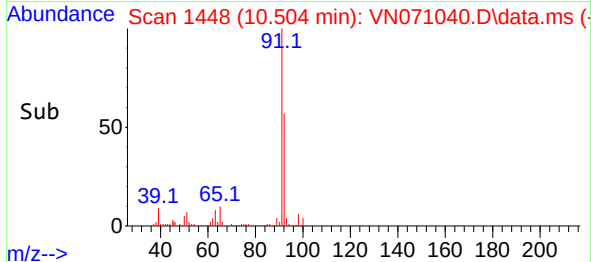
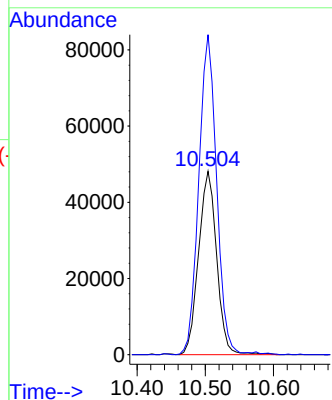
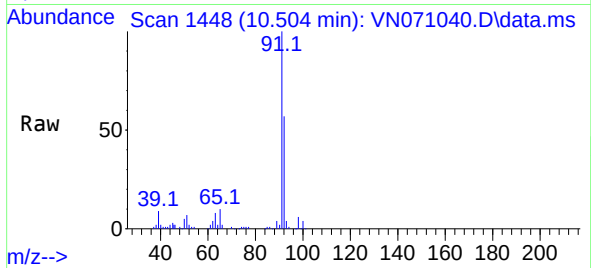




#52
Toluene
Concen: 3.826 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

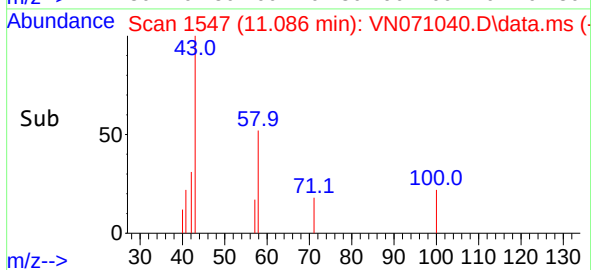
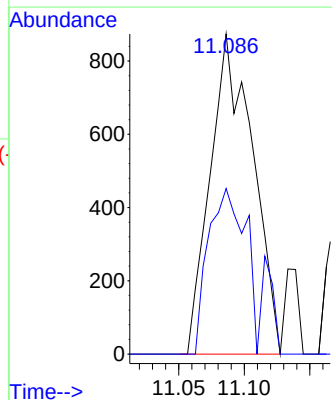
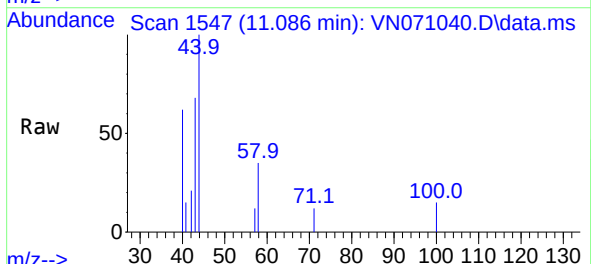
Instrument :
MSVOA_N
ClientSampleId :
31455

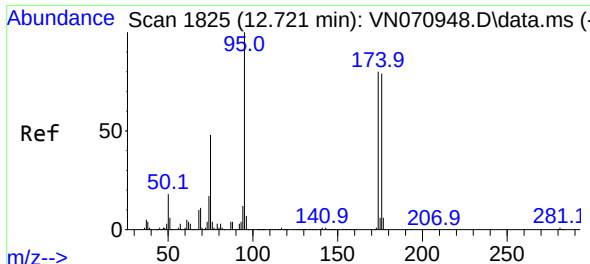
Tgt Ion: 92 Resp: 88854
Ion Ratio Lower Upper
92 100
91 171.2 142.0 213.0



#59
2-Hexanone
Concen: 0.222 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
58 45.3 26.9 80.7

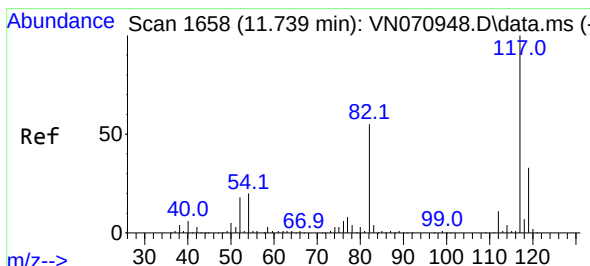
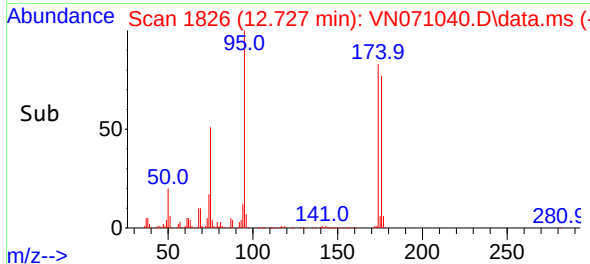
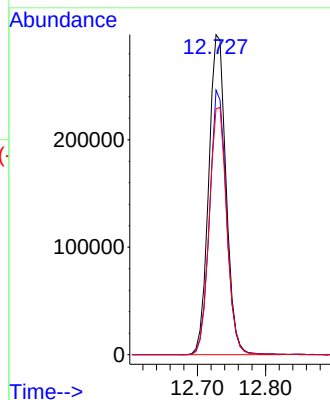
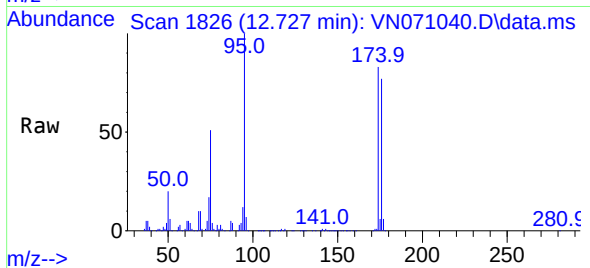




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

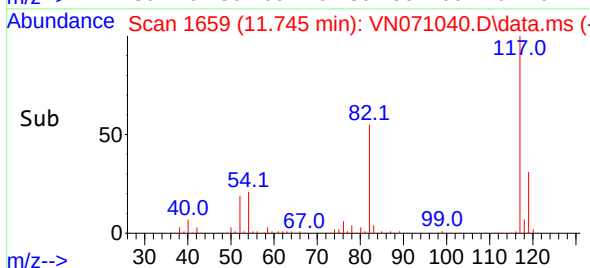
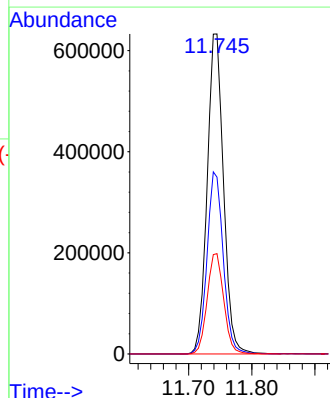
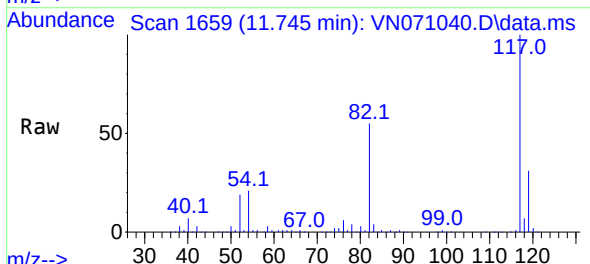
Instrument :
MSVOA_N
ClientSampleId :
31455

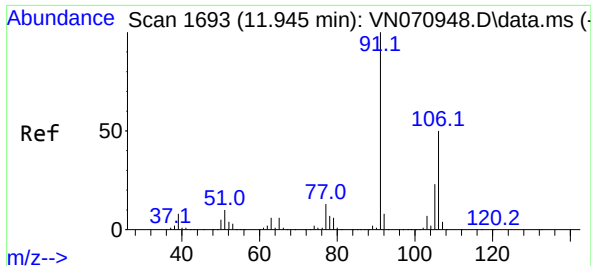
Tgt Ion: 95 Resp: 526617
Ion Ratio Lower Upper
95 100
174 80.4 0.0 187.2
176 78.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion: 117 Resp: 1135824
Ion Ratio Lower Upper
117 100
82 55.2 42.4 63.6
119 31.4 25.4 38.2

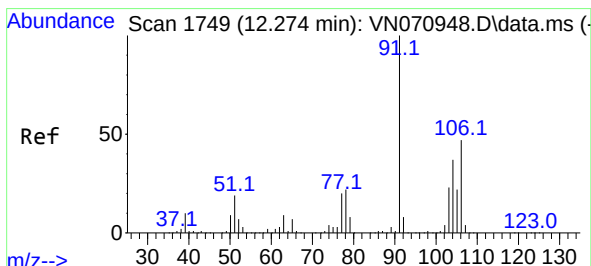
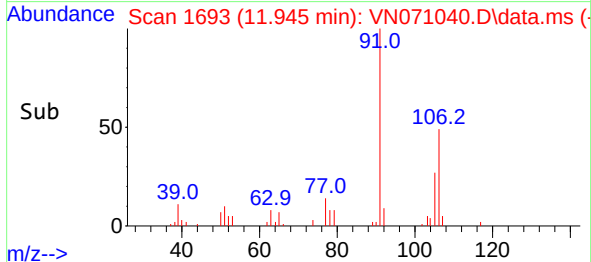
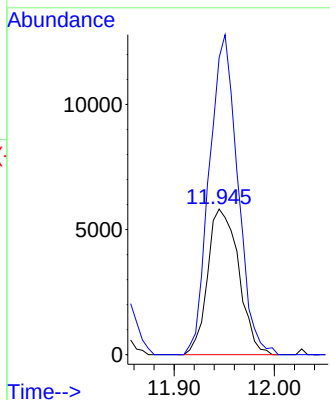
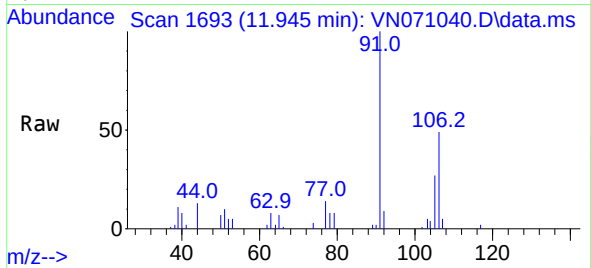




#68
m/p-Xylenes
Concen: 0.757 ug/l
RT: 11.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

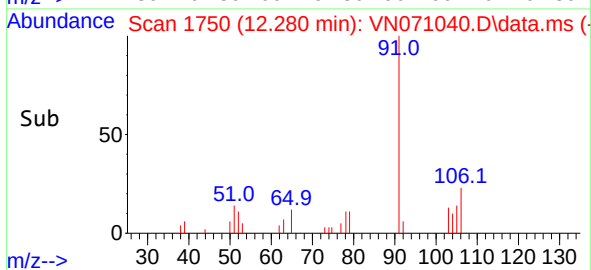
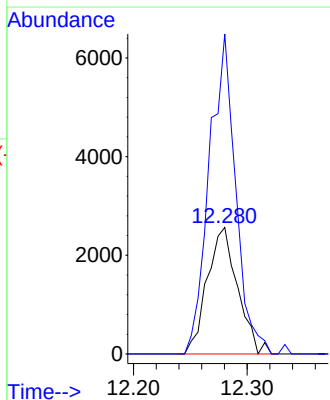
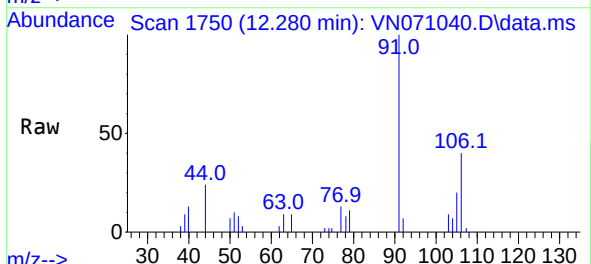
Instrument :
MSVOA_N
ClientSampleId :
31455

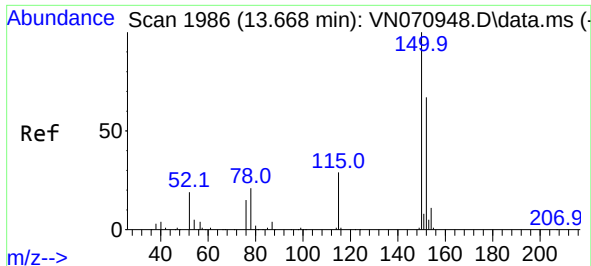
Tgt Ion:106 Resp: 12532
Ion Ratio Lower Upper
106 100
91 201.3 160.6 240.8



#69
o-Xylene
Concen: 0.295 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion:106 Resp: 4765
Ion Ratio Lower Upper
106 100
91 220.4 105.8 317.3

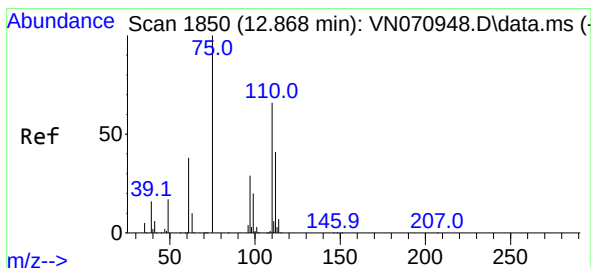
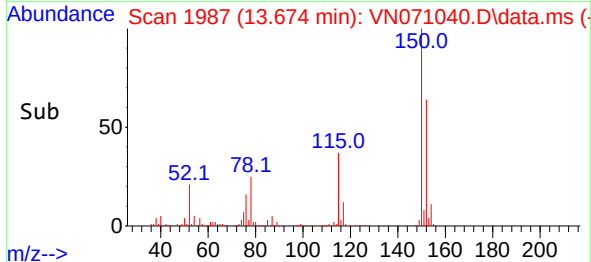
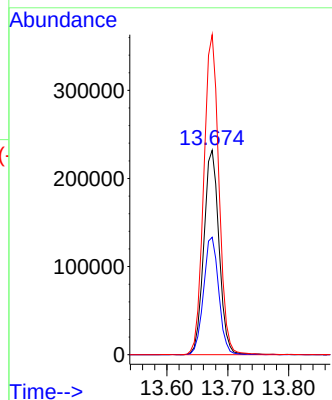
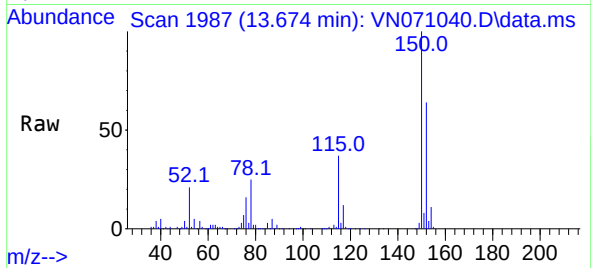




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071040.D
 Acq: 23 Feb 2022 18:08

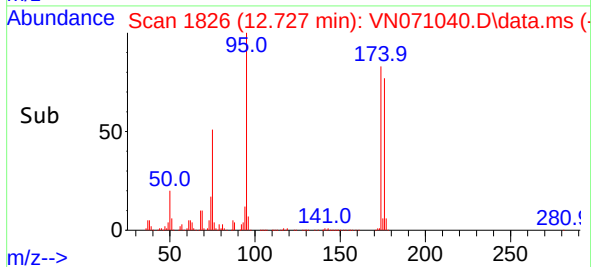
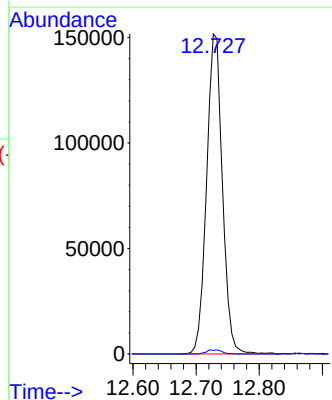
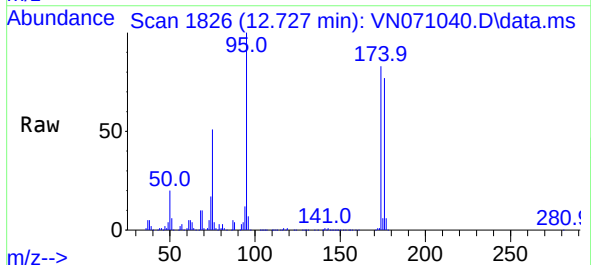
Instrument :
 MSVOA_N
 ClientSampleId :
 31455

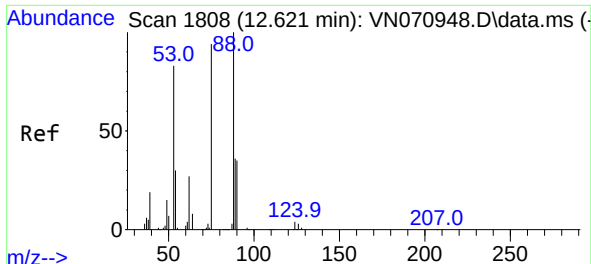
Tgt Ion:152 Resp: 401520
 Ion Ratio Lower Upper
 152 100
 115 57.6 27.5 82.5
 150 156.3 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 27.911 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.141 min
 Lab File: VN071040.D
 Acq: 23 Feb 2022 18:08

Tgt Ion: 75 Resp: 263868
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

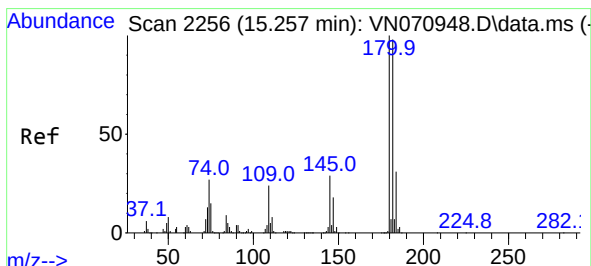
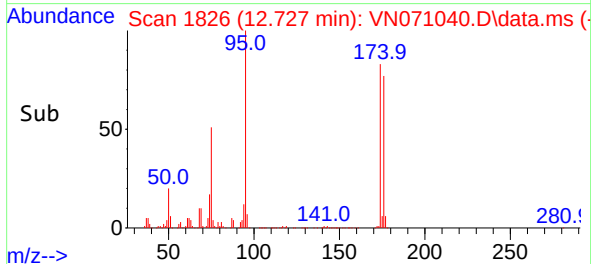
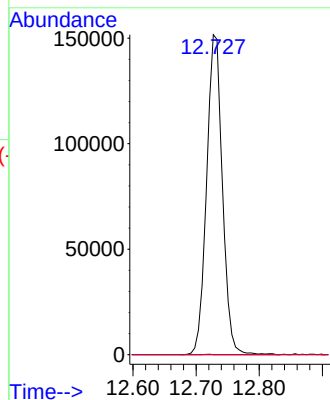
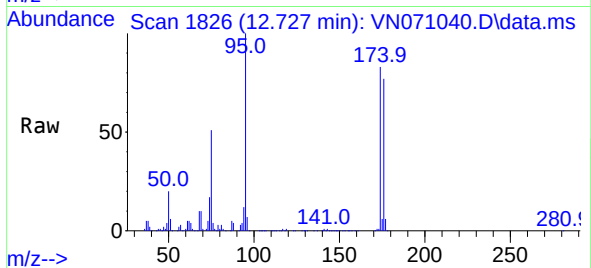




#81
trans-1,4-Dichloro-2-butene
Concen: 90.445 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

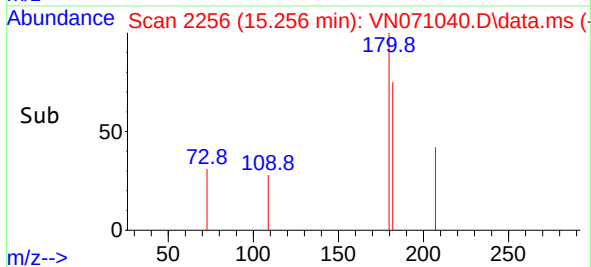
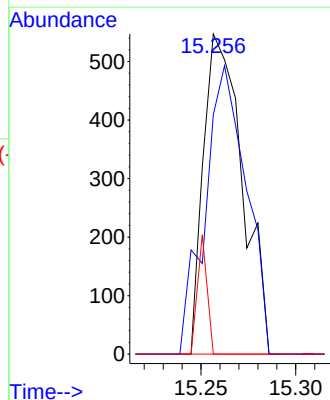
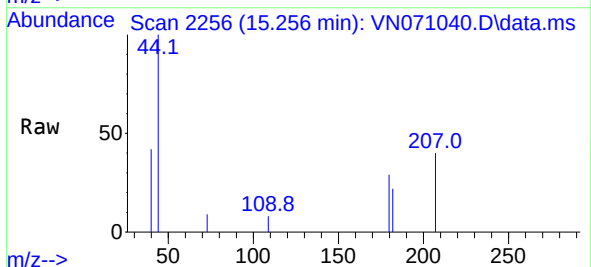
Instrument :
MSVOA_N
ClientSampleId :
31455

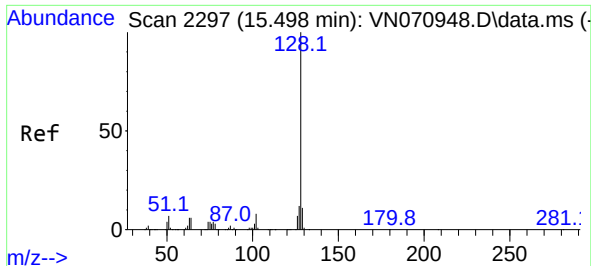
Tgt Ion: 75 Resp: 263868
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.100 ug/l
RT: 15.256 min Scan# 2256
Delta R.T. -0.001 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion:180 Resp: 781
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.9
145 9.2 14.5 43.5#

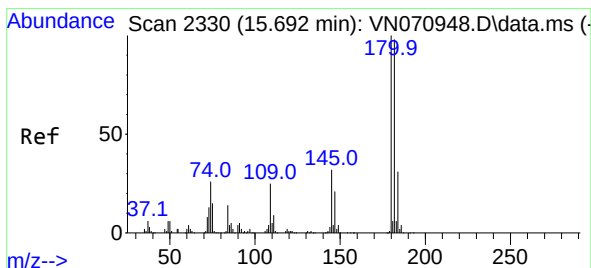
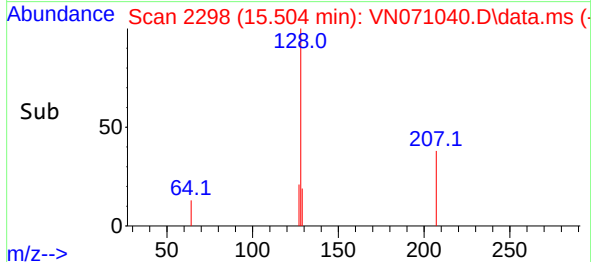
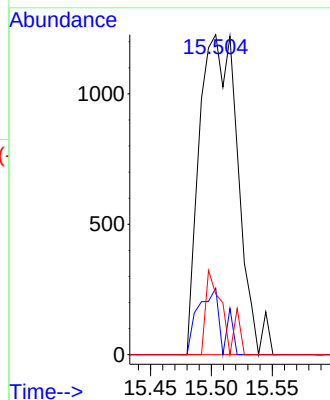
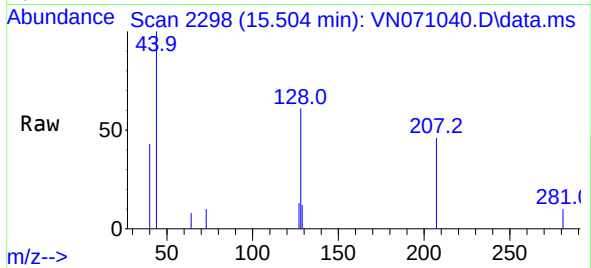




#95
Naphthalene
Concen: 5.125 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Instrument :
MSVOA_N
ClientSampleId :
31455

Tgt Ion:128 Resp: 2694
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 12.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.629 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071040.D
Acq: 23 Feb 2022 18:08

Tgt Ion:180 Resp: 810
Ion Ratio Lower Upper
180 100
182 101.4 47.4 142.2
145 8.5 15.0 45.1#

