

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071039.D
 Acq On : 23 Feb 2022 17:44
 Operator : JC\MD
 Sample : N1642-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31454

Quant Time: Feb 24 00:41:04 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

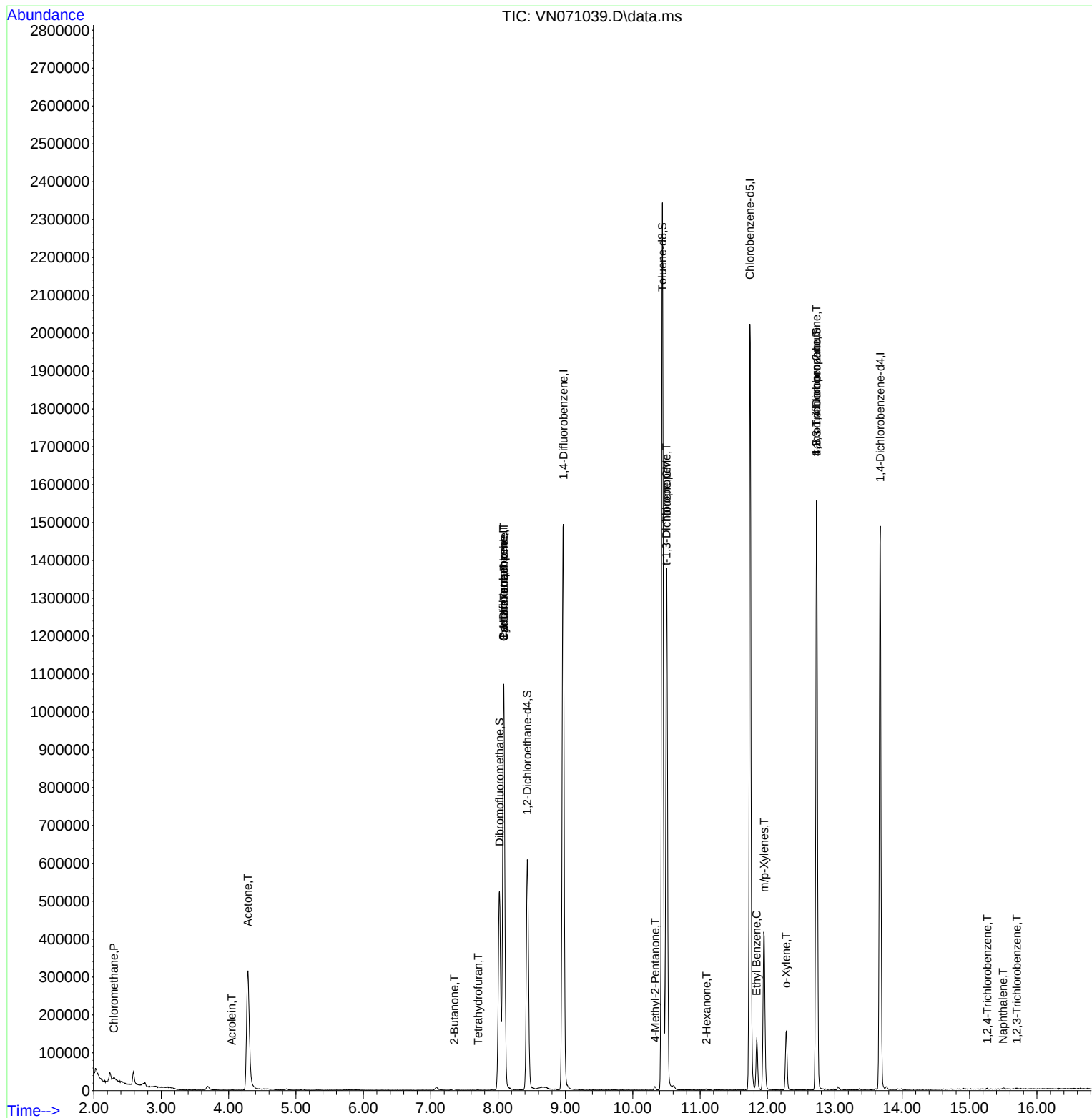
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	853968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1356841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1202969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	422725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	508575	52.135	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.260%	
35) Dibromofluoromethane	8.022	113	395039	48.949	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.900%	
50) Toluene-d8	10.439	98	1636308	50.487	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.727	95	559473	48.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.580%	
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2720	0.244	ug/l #	84
13) Acrolein	4.045	56	673	0.424	ug/l	97
16) Acetone	4.287	43	603174	112.275	ug/l	91
25) 2-Butanone	7.351	43	5784	0.809	ug/l #	81
29) Tetrahydrofuran	7.704	42	1050	0.227	ug/l #	57
31) Cyclohexane	8.086	56	16841	0.998	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	64657	4.890	ug/l #	50
38) Carbon Tetrachloride	8.086	117	82945	6.367	ug/l #	16
51) 4-Methyl-2-Pentanone	10.333	43	7134	0.525	ug/l	88
52) Toluene	10.504	92	616130	25.070	ug/l	95
53) t-1,3-Dichloropropene	10.498	75	6768	0.467	ug/l #	1
59) 2-Hexanone	11.092	43	2076	0.222	ug/l	89
67) Ethyl Benzene	11.839	91	98109	2.162	ug/l	96
68) m/p-Xylenes	11.951	106	140806	8.035	ug/l	99
69) o-Xylene	12.274	106	45041	2.631	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	283753	28.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	283753	92.382	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1235	2.151	ug/l	77
95) Naphthalene	15.498	128	3942	5.177	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.704	180	1073	2.658	ug/l #	76

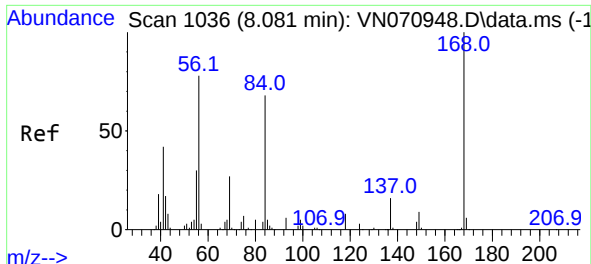
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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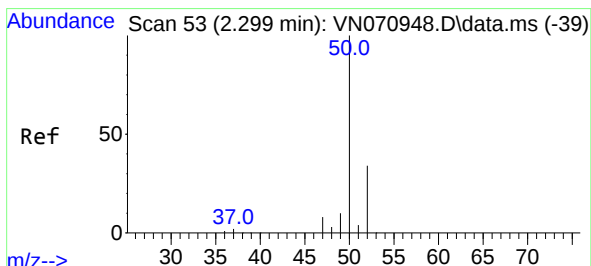
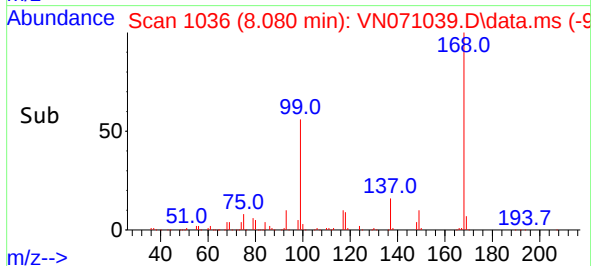
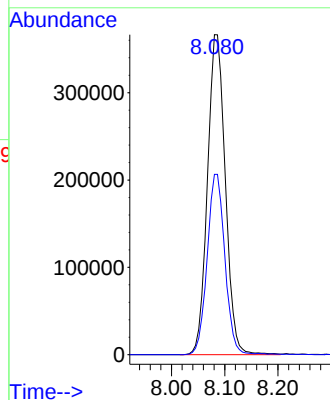
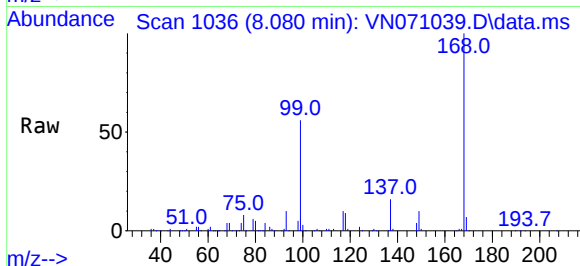




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

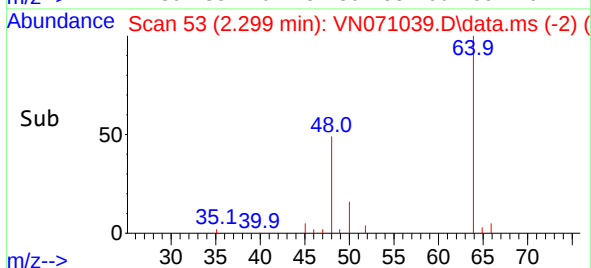
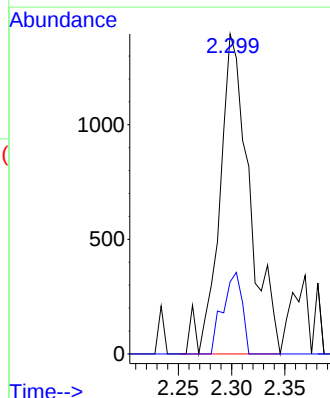
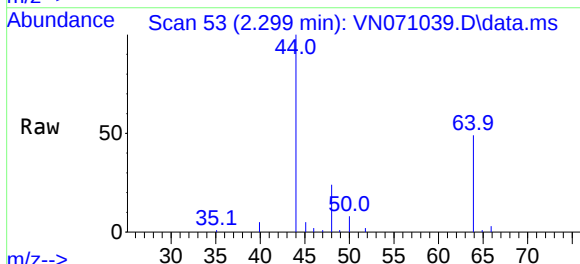
Instrument :
MSVOA_N
ClientSampleId :
31454

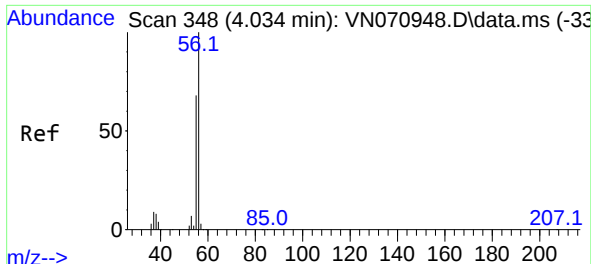
Tgt Ion:168 Resp: 853968
Ion Ratio Lower Upper
168 100
99 56.3 41.3 61.9



#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 50 Resp: 2720
Ion Ratio Lower Upper
50 100
52 22.6 25.4 38.0#

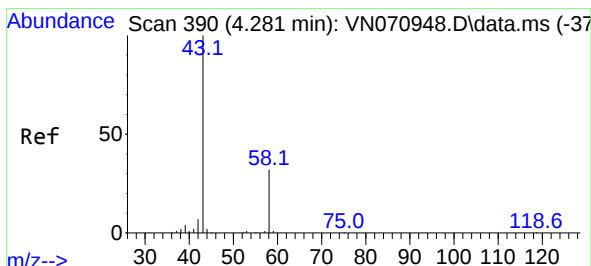
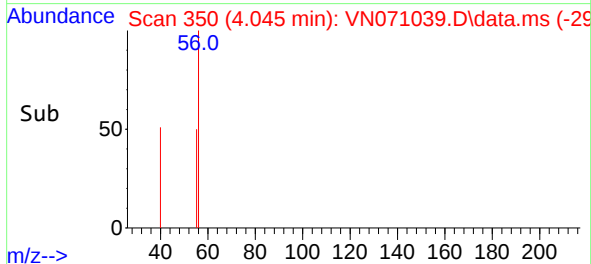
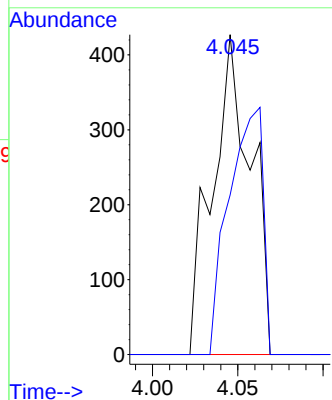
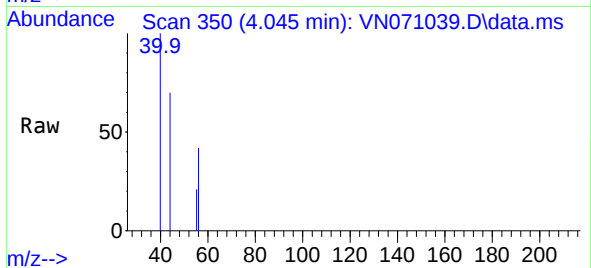




#13
Acrolein
Concen: 0.424 ug/l
RT: 4.045 min Scan# 314
Delta R.T. 0.011 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

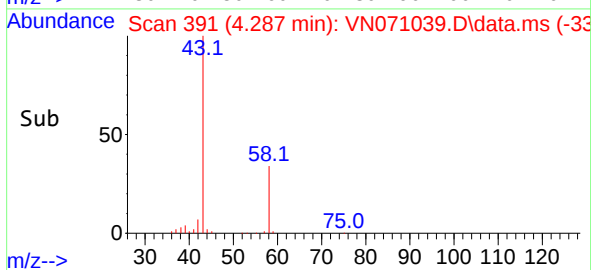
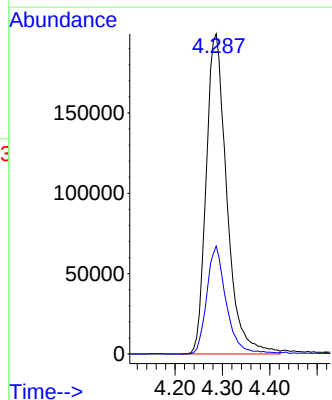
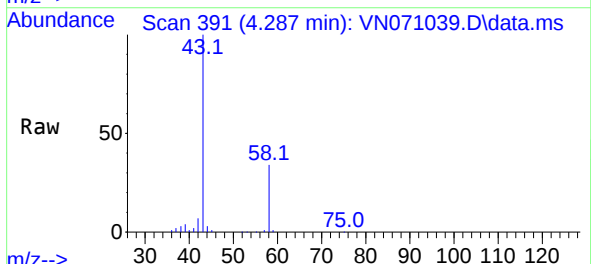
Instrument :
MSVOA_N
ClientSampleId :
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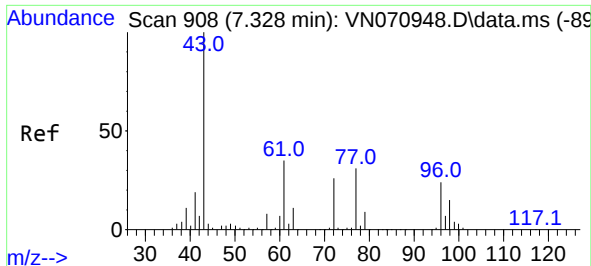
Tgt Ion: 56 Resp: 673
Ion Ratio Lower Upper
56 100
55 68.1 56.6 85.0



#16
Acetone
Concen: 112.275 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 43 Resp: 603174
Ion Ratio Lower Upper
43 100
58 33.7 23.1 34.7

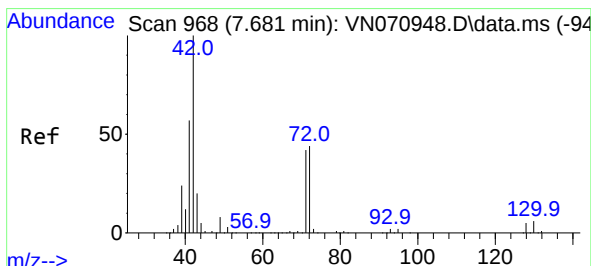
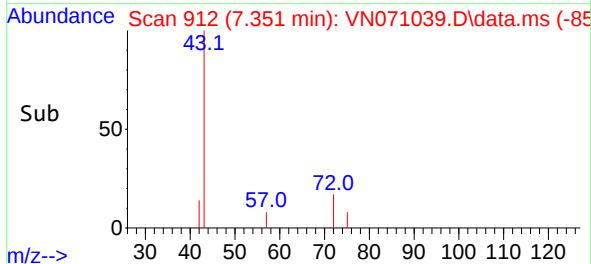
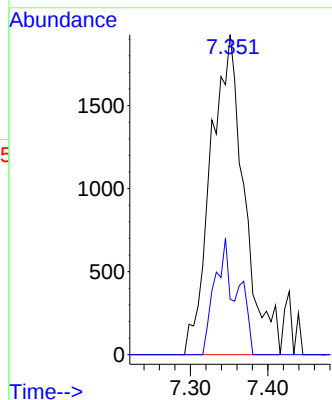
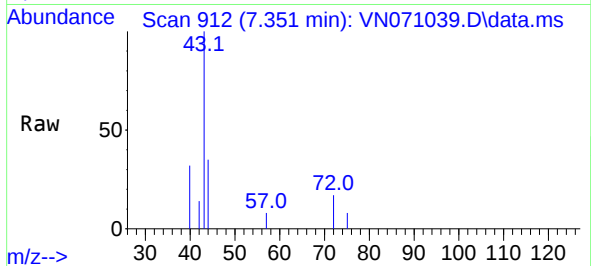




#25
2-Butanone
Concen: 0.809 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

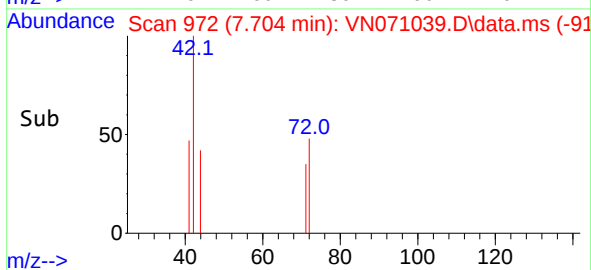
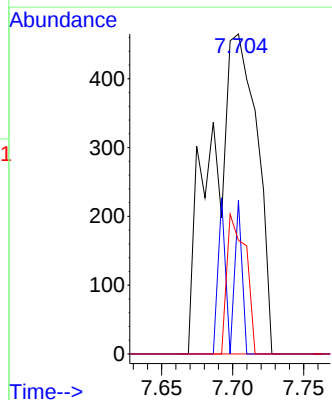
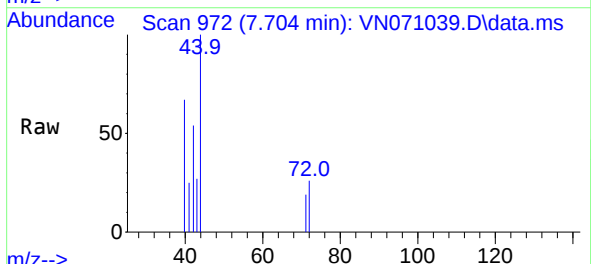
Instrument :
MSVOA_N
ClientSampleId :
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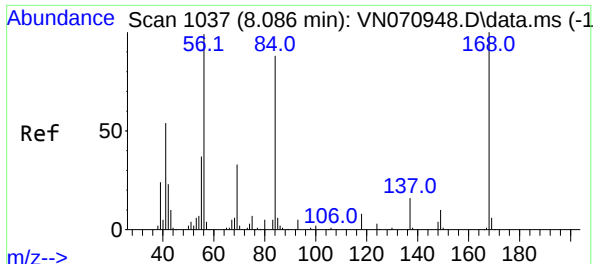
Tgt Ion: 43 Resp: 5784
Ion Ratio Lower Upper
43 100
72 17.3 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.227 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.023 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 42 Resp: 1050
Ion Ratio Lower Upper
42 100
72 15.1 36.3 54.5#
71 17.6 34.7 52.1#

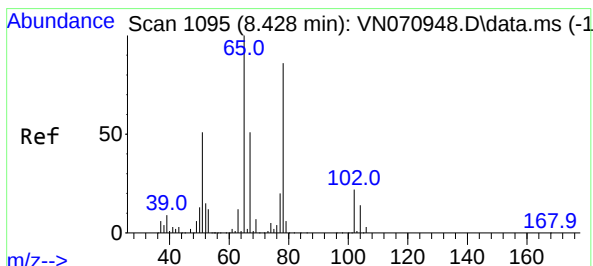
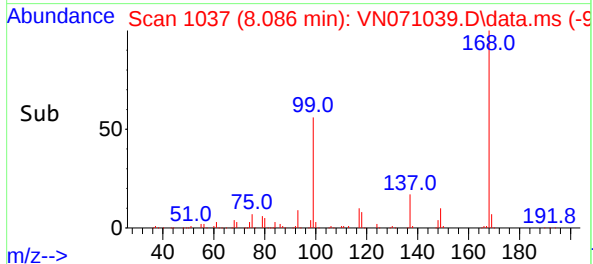
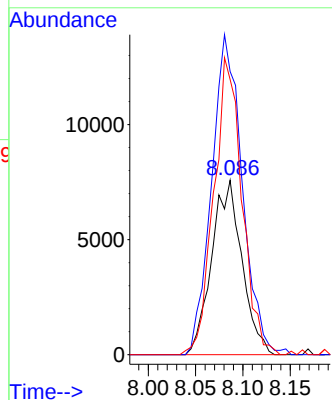
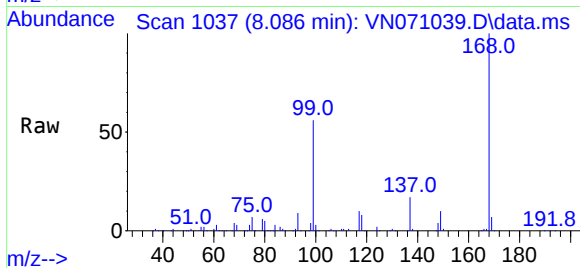




#31
Cyclohexane
Concen: 0.998 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

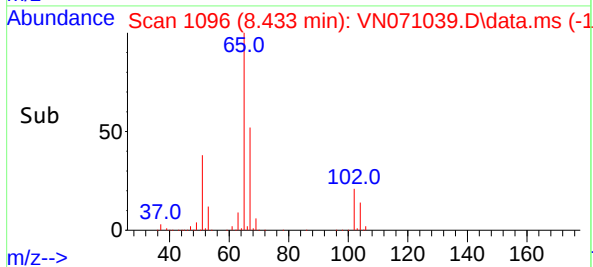
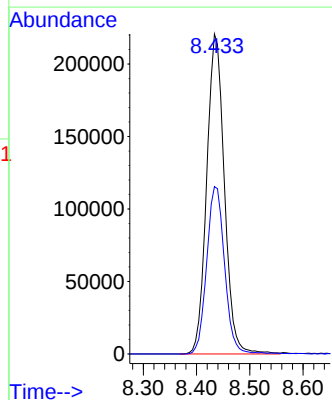
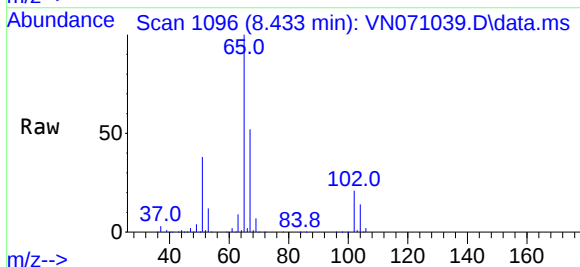
Instrument :
MSVOA_N
ClientSampleId :
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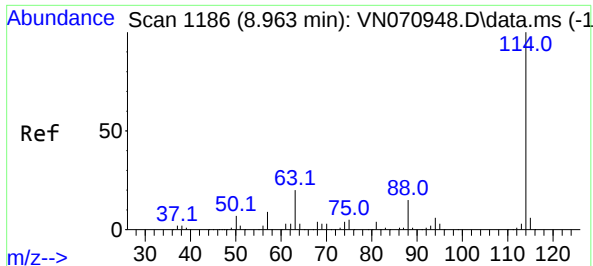
Tgt Ion: 56 Resp: 16841
Ion Ratio Lower Upper
56 100
69 162.4 27.1 40.7#
84 157.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 65 Resp: 508575
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071039.D

Acq: 23 Feb 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

31454

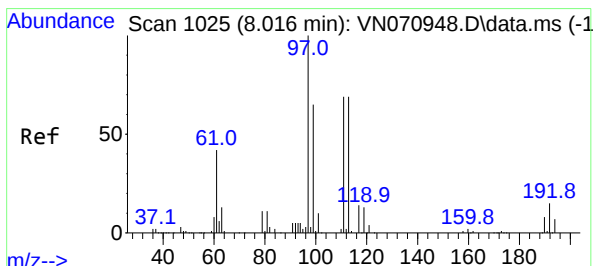
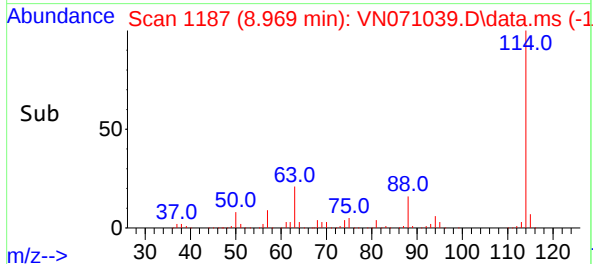
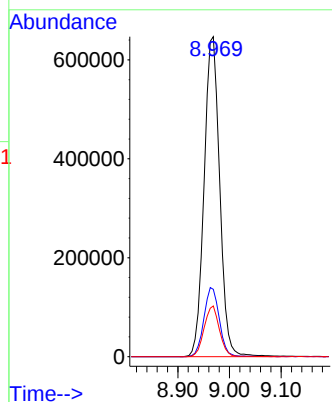
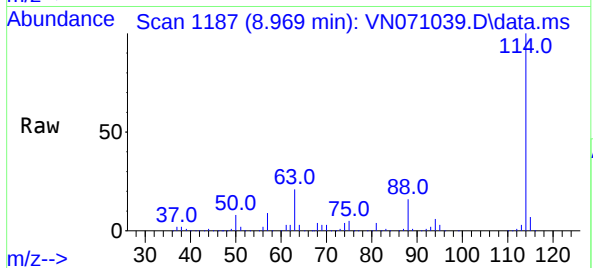
Tgt Ion:114 Resp: 1356841

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 15.9 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.949 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071039.D

Acq: 23 Feb 2022 17:44

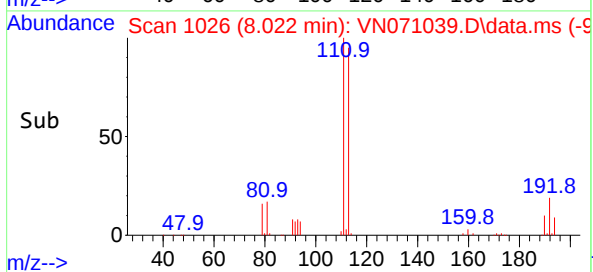
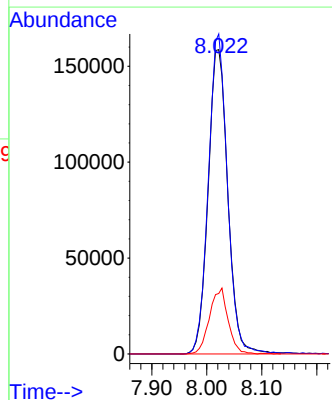
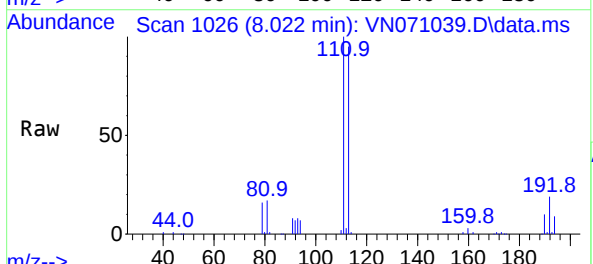
Tgt Ion:113 Resp: 395039

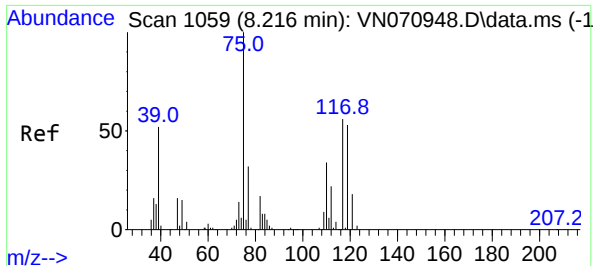
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071039.D

Acq: 23 Feb 2022 17:44

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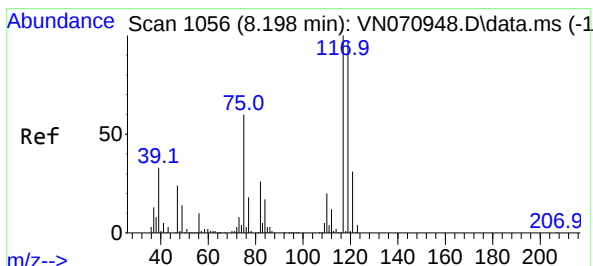
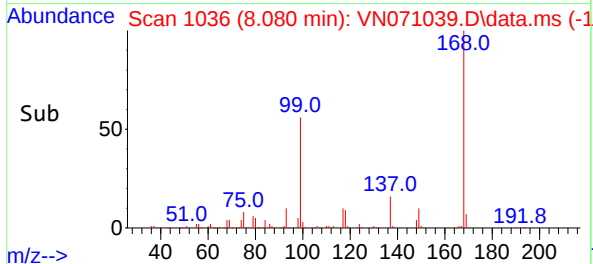
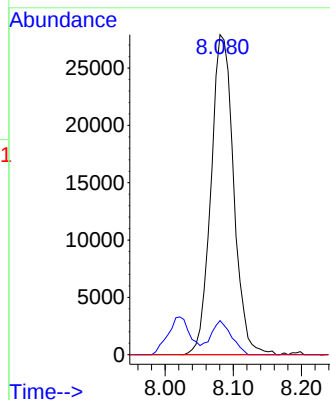
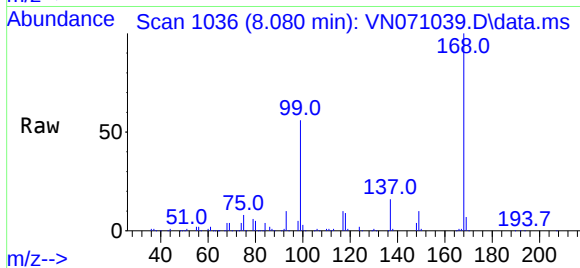
Tgt Ion: 75 Resp: 64657

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.367 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.112 min

Lab File: VN071039.D

Acq: 23 Feb 2022 17:44

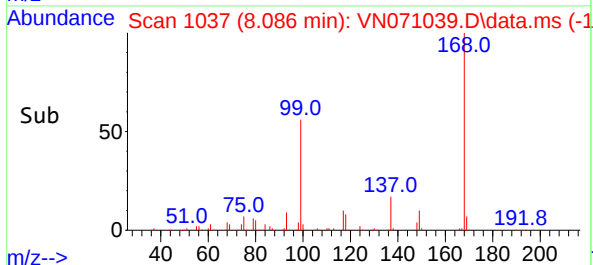
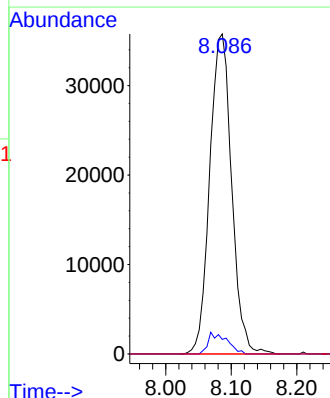
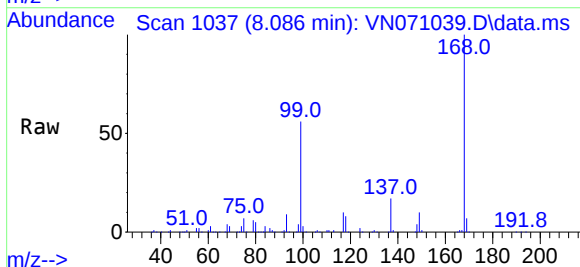
Tgt Ion: 117 Resp: 82945

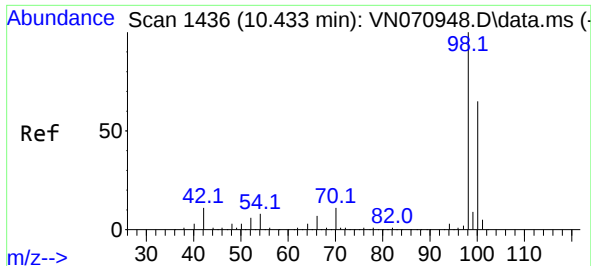
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#

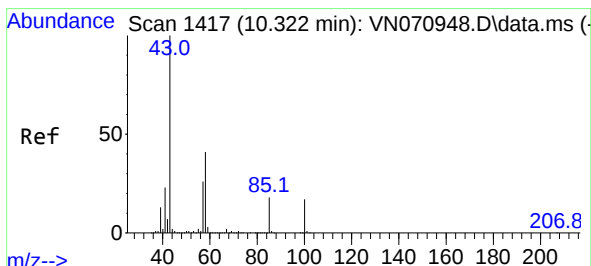
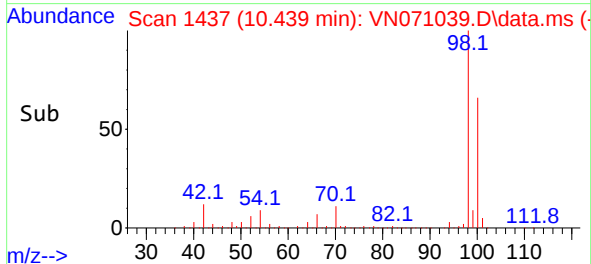
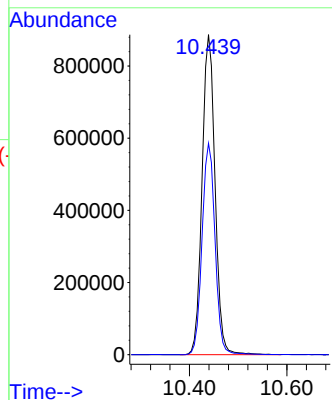
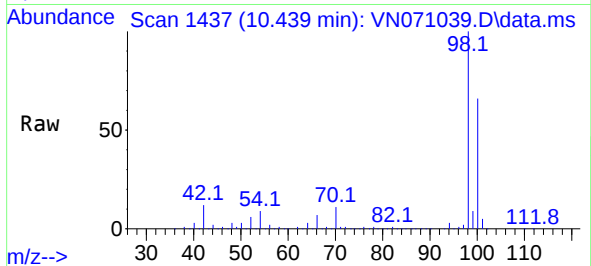




#50
Toluene-d8
Concen: 50.487 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

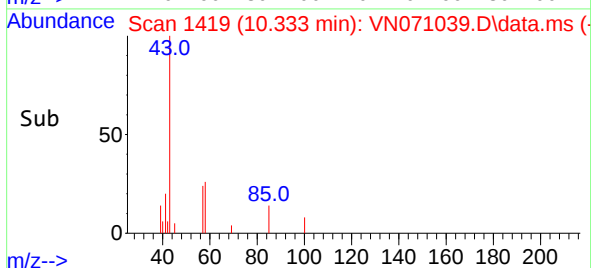
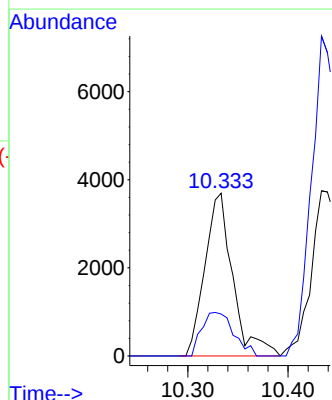
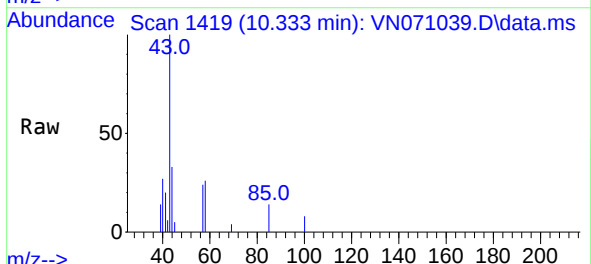
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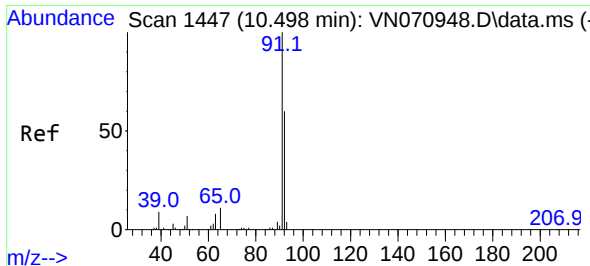
Tgt Ion: 98 Resp: 1636308
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.525 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 43 Resp: 7134
Ion Ratio Lower Upper
43 100
58 30.6 30.4 45.6

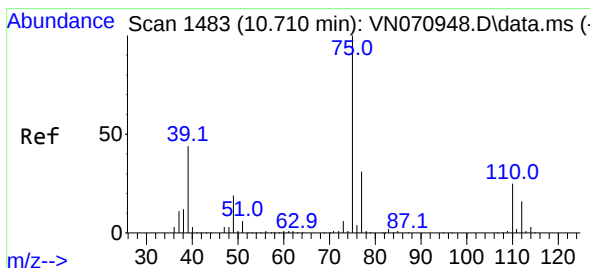
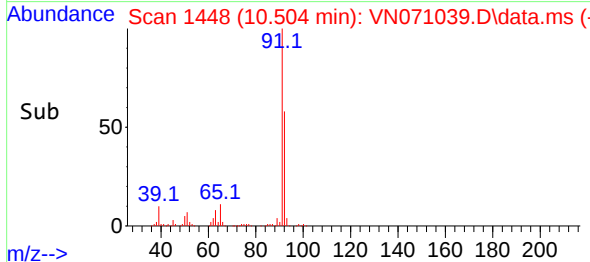
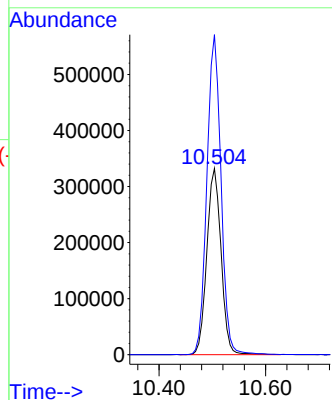
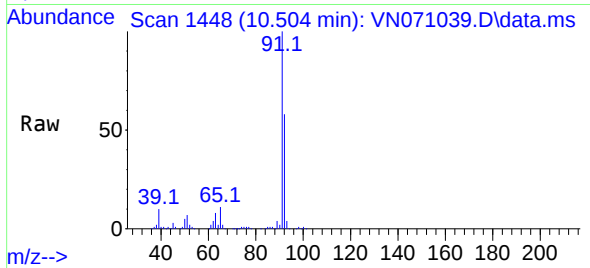




#52
Toluene
Concen: 25.070 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

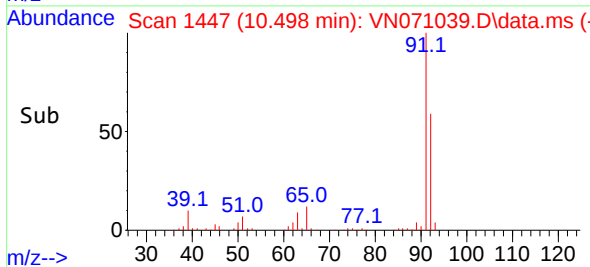
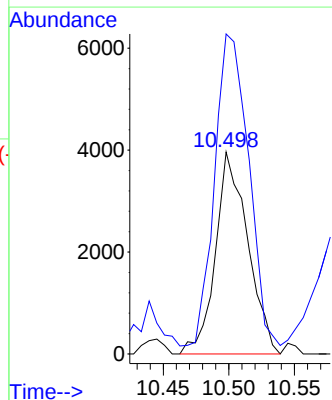
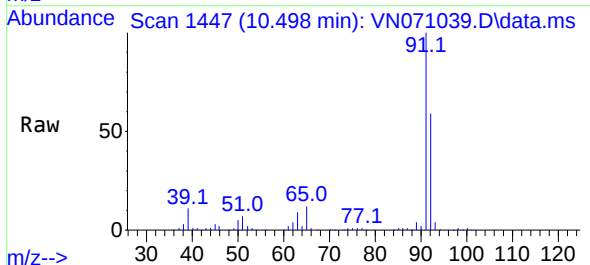
Instrument :
MSVOA_N
ClientSampleId :
31454

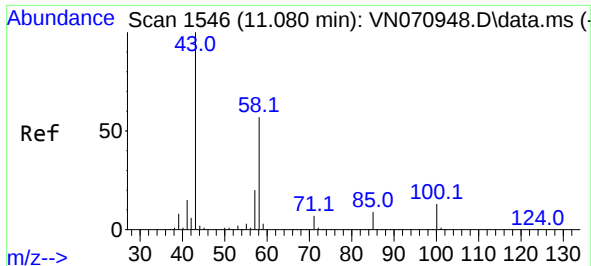
Tgt Ion: 92 Resp: 616130
Ion Ratio Lower Upper
92 100
91 170.5 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 0.467 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.212 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 75 Resp: 6768
Ion Ratio Lower Upper
75 100
77 154.5 25.6 38.4#

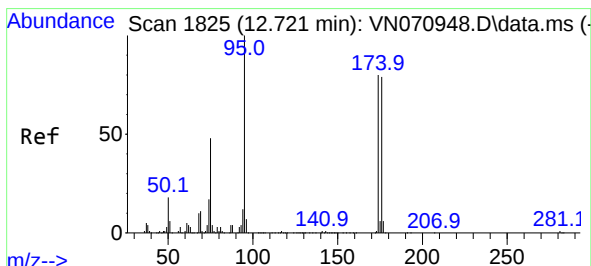
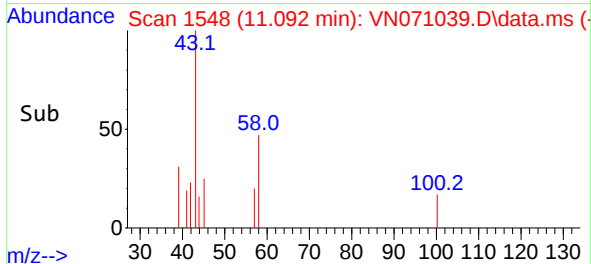
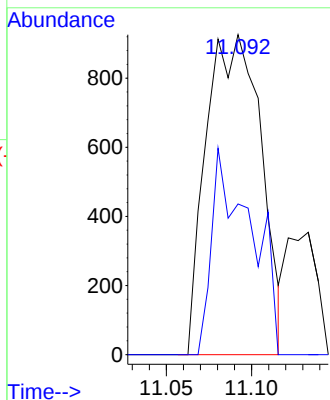
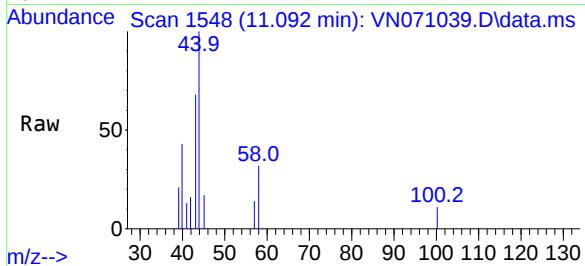




#59
2-Hexanone
Concen: 0.222 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

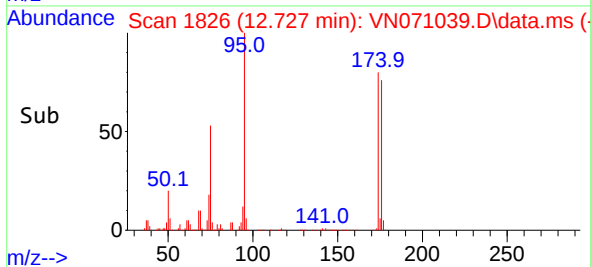
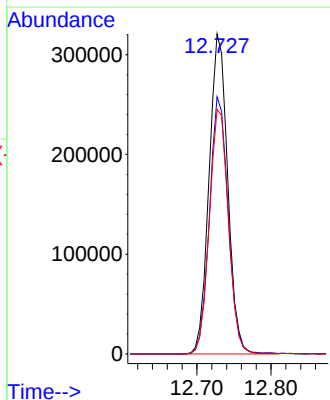
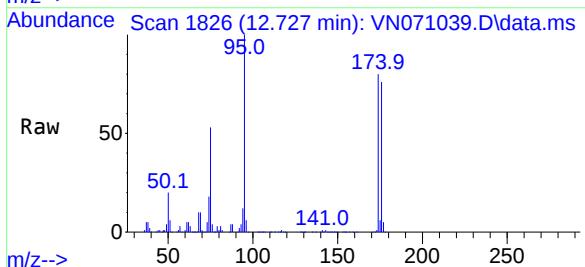
Instrument :
MSVOA_N
ClientSampleId :
31454

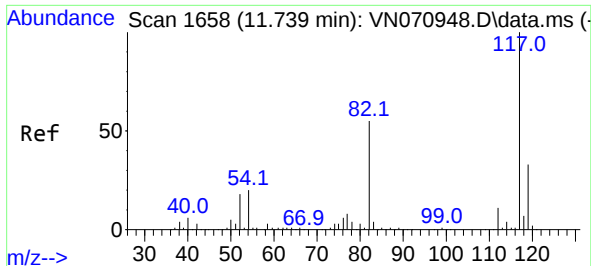
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
58 46.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.293 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 95 Resp: 559473
Ion Ratio Lower Upper
95 100
174 80.6 0.0 187.2
176 78.0 0.0 181.4

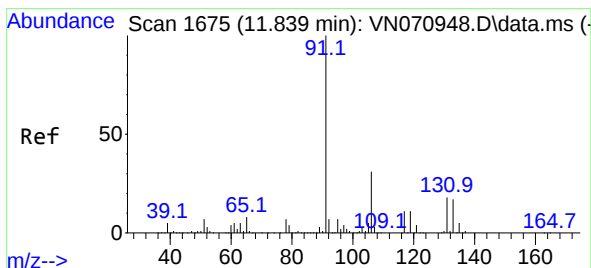
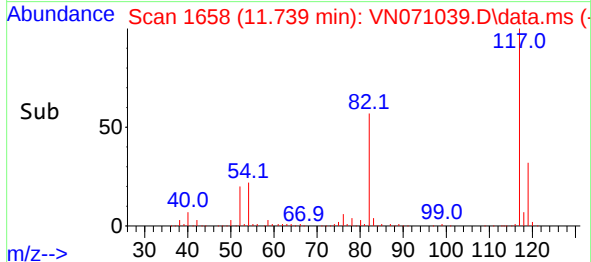
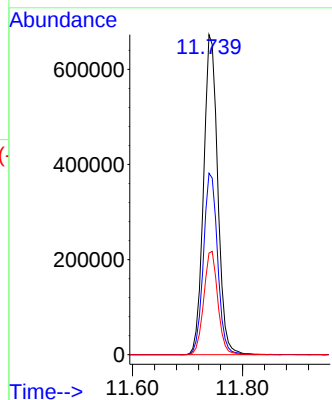
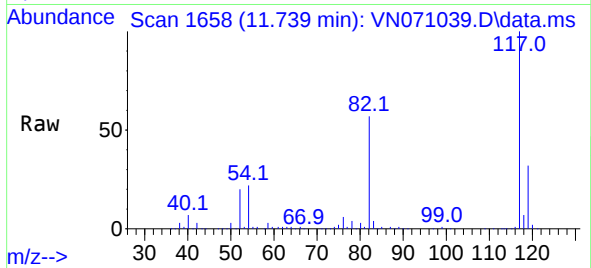




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

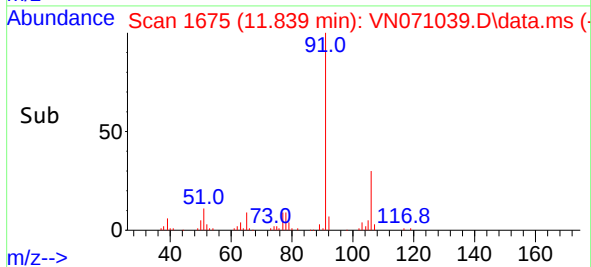
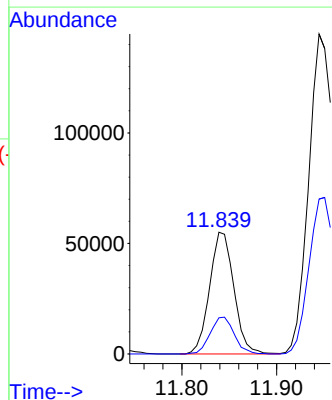
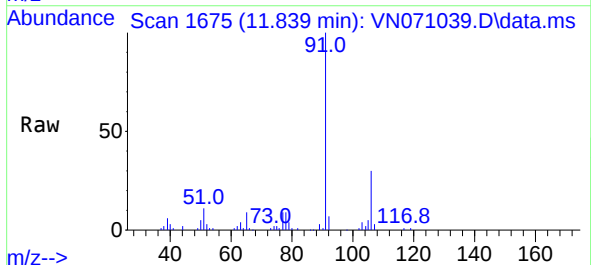
Instrument :
MSVOA_N
ClientSampleId :
31454

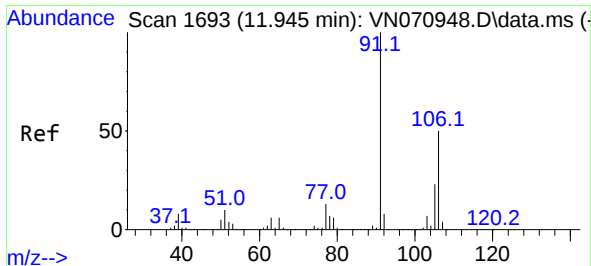
Tgt Ion:117 Resp: 1202969
Ion Ratio Lower Upper
117 100
82 56.7 42.4 63.6
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 2.162 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 91 Resp: 98109
Ion Ratio Lower Upper
91 100
106 29.7 25.7 38.5

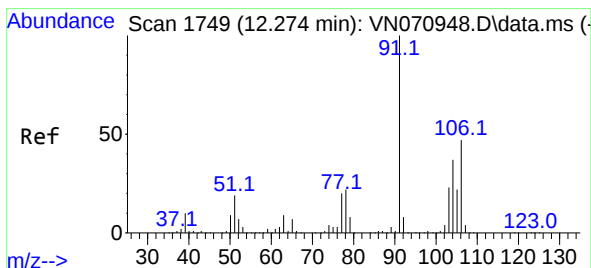
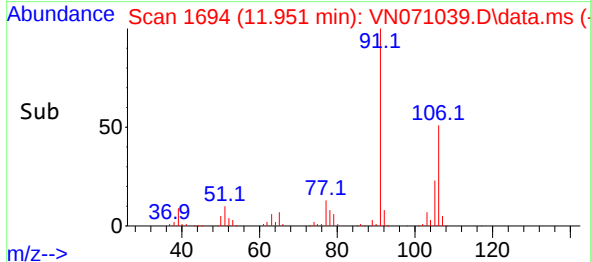
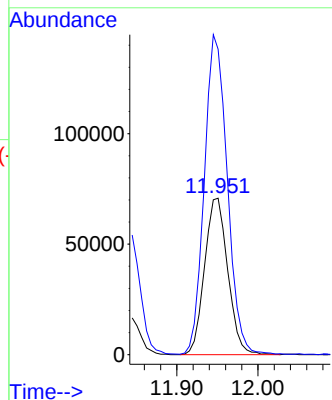
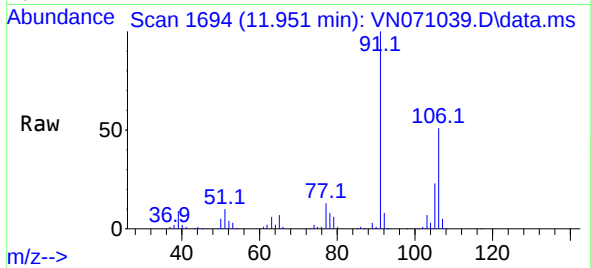




#68
m/p-Xylenes
Concen: 8.035 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

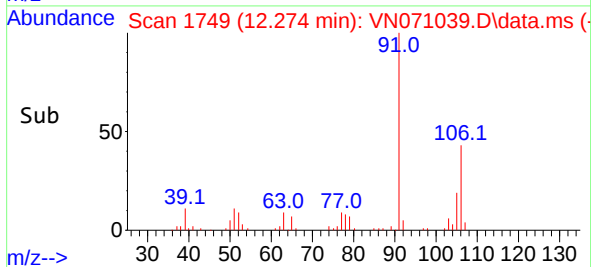
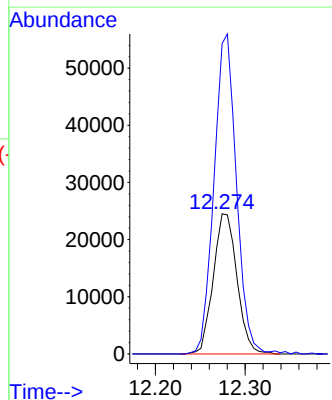
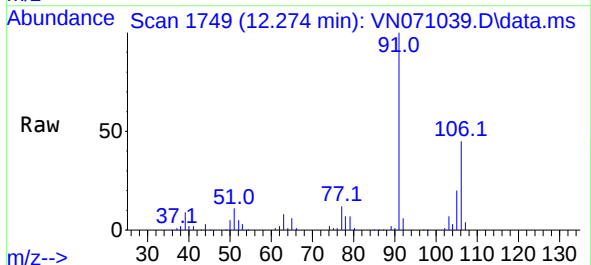
Instrument :
MSVOA_N
ClientSampleId :
31454

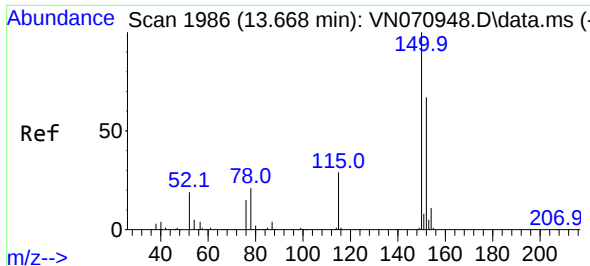
Tgt Ion:106 Resp: 140806
Ion Ratio Lower Upper
106 100
91 201.5 160.6 240.8



#69
o-Xylene
Concen: 2.631 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion:106 Resp: 45041
Ion Ratio Lower Upper
106 100
91 214.9 105.8 317.3

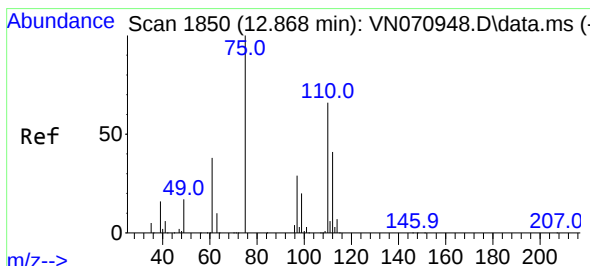
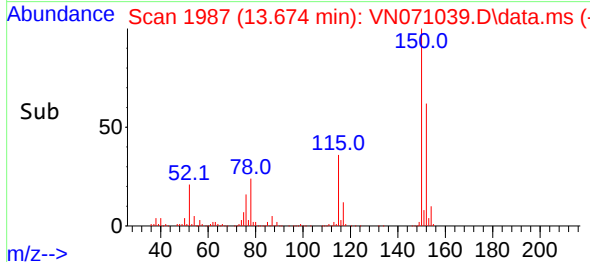
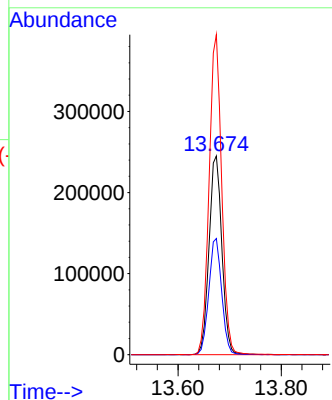
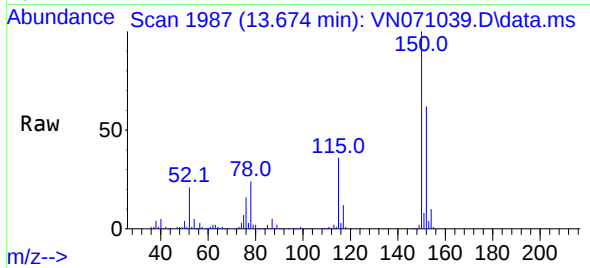




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

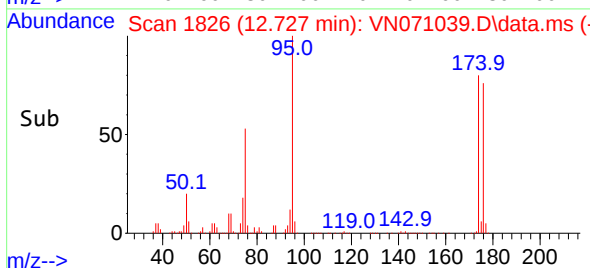
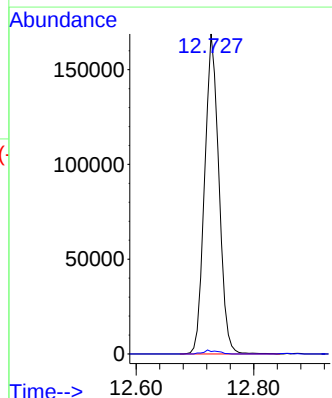
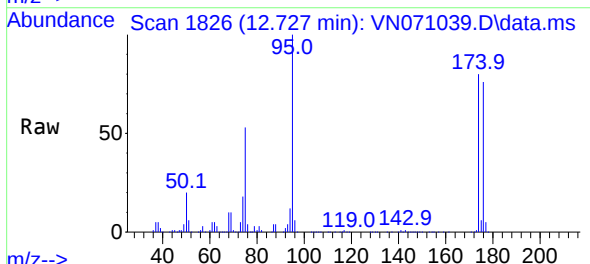
Instrument :
MSVOA_N
ClientSampleId :
31454

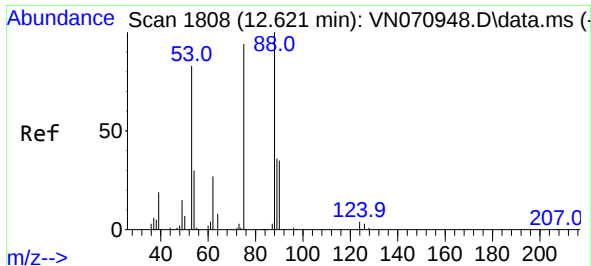
Tgt Ion:152 Resp: 422725
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 157.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.509 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 75 Resp: 283753
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

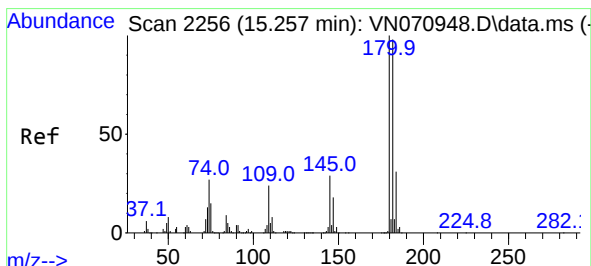
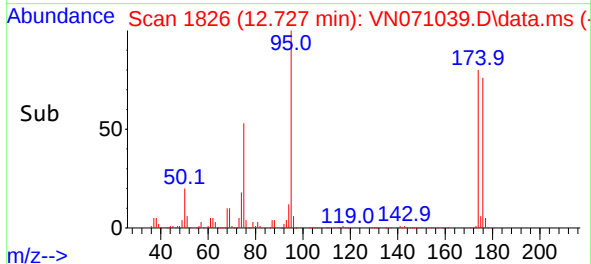
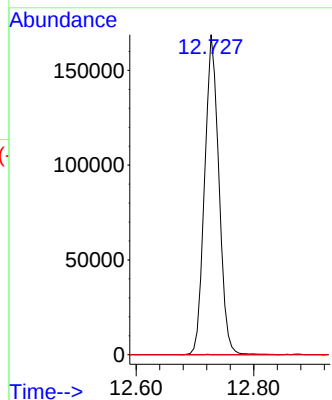
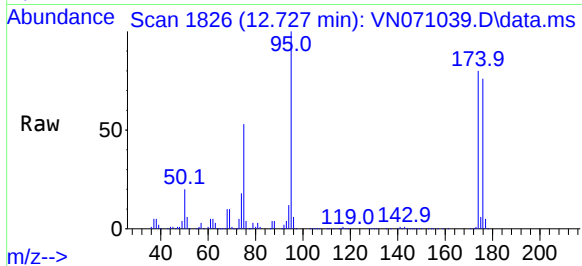




#81
trans-1,4-Dichloro-2-butene
Concen: 92.382 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

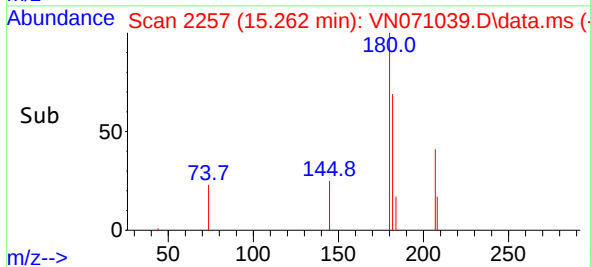
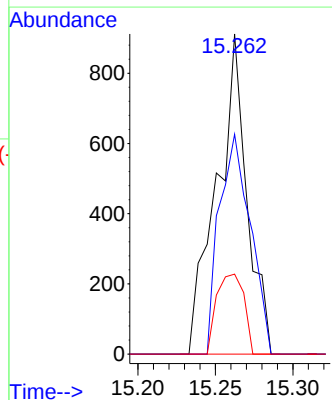
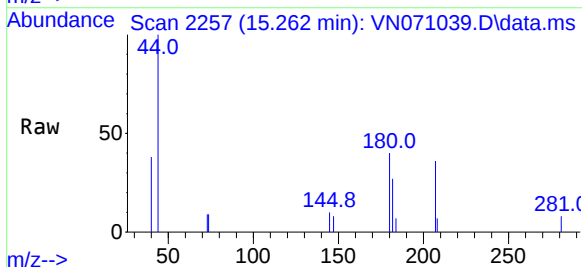
Instrument :
MSVOA_N
ClientSampleId :
31454

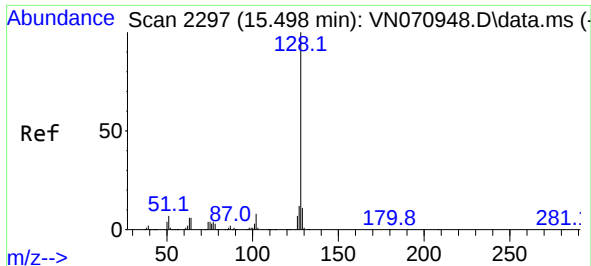
Tgt Ion: 75 Resp: 283753
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.151 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion: 180 Resp: 1235
Ion Ratio Lower Upper
180 100
182 70.7 48.3 144.9
145 22.6 14.5 43.5

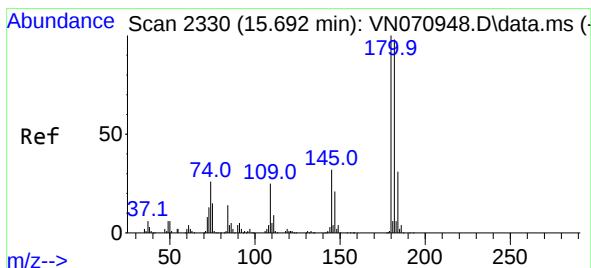
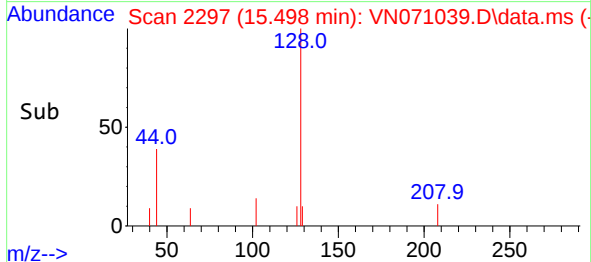
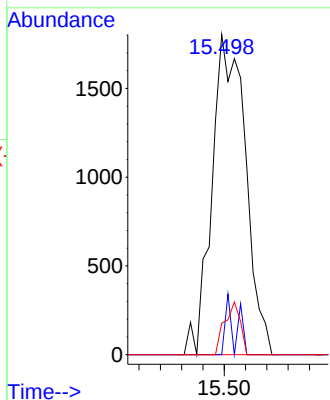
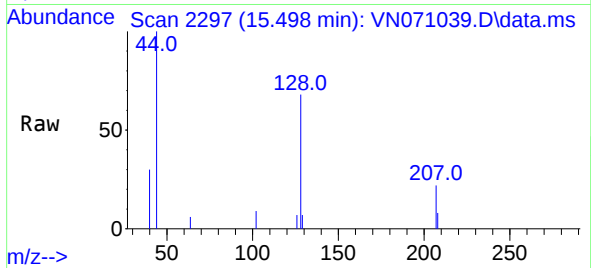




#95
Naphthalene
Concen: 5.177 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Instrument :
MSVOA_N
ClientSampleId :
31454

Tgt Ion:128 Resp: 3942
Ion Ratio Lower Upper
128 100
127 5.6 10.5 15.7#
129 7.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.658 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN071039.D
Acq: 23 Feb 2022 17:44

Tgt Ion:180 Resp: 1073
Ion Ratio Lower Upper
180 100
182 76.4 47.4 142.2
145 7.6 15.0 45.1#

