

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030422\
 Data File : VN071161.D
 Acq On : 04 Mar 2022 11:06
 Operator : JC\MD
 Sample : VN0304MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 22:14:54 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

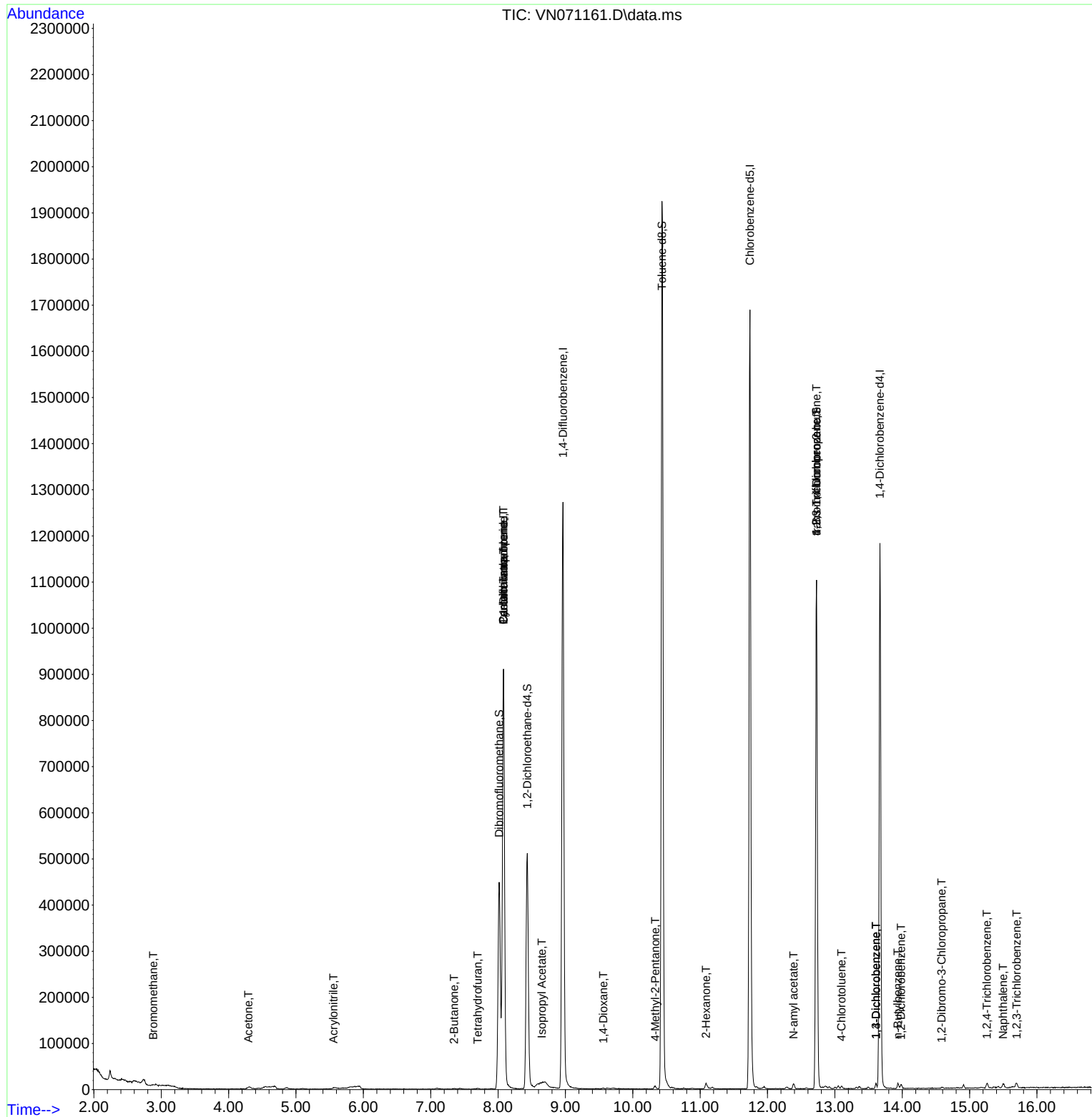
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	704776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1129125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	990284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	325072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	436299	54.193	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.380%	
35) Dibromofluoromethane	8.016	113	336878	50.160	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.320%	
50) Toluene-d8	10.433	98	1365643	50.634	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.260%	
62) 4-Bromofluorobenzene	12.727	95	399774	41.468	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 82.940%	
Target Compounds						Qvalue
5) Bromomethane	2.881	94	1693	0.324	ug/l #	39
15) Acrylonitrile	5.557	53	1227	0.284	ug/l #	91
16) Acetone	4.293	43	4119	0.929	ug/l	91
25) 2-Butanone	7.345	43	3194	0.542	ug/l #	48
29) Tetrahydrofuran	7.698	42	1405	0.368	ug/l #	40
31) Cyclohexane	8.081	56	13904	0.999	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	56639	5.148	ug/l #	49
38) Carbon Tetrachloride	8.081	117	67097	6.189	ug/l #	17
43) Isopropyl Acetate	8.651	43	23438	1.260	ug/l #	55
49) 1,4-Dioxane	9.563	88	97	0.620	ug/l #	14
51) 4-Methyl-2-Pentanone	10.333	43	5927	0.524	ug/l	89
59) 2-Hexanone	11.086	43	11476	1.474	ug/l	94
74) N-amyl acetate	12.386	43	7155	0.855	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	207382	27.095	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	207382	87.801	ug/l #	5
82) 4-Chlorotoluene	13.098	91	4380	0.253	ug/l	96
87) 1,3-Dichlorobenzene	13.610	146	2967	0.262	ug/l	88
88) 1,4-Dichlorobenzene	13.610	146	2967	0.267	ug/l	88
89) n-Butylbenzene	13.933	91	6999	0.394	ug/l	97
91) 1,2-Dichlorobenzene	13.980	146	3860	0.363	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.586	75	781	0.580	ug/l	70
93) 1,2,4-Trichlorobenzene	15.257	180	4298	2.688	ug/l	99
95) Naphthalene	15.498	128	10946	5.668	ug/l	97
96) 1,2,3-Trichlorobenzene	15.698	180	4294	3.255	ug/l	89

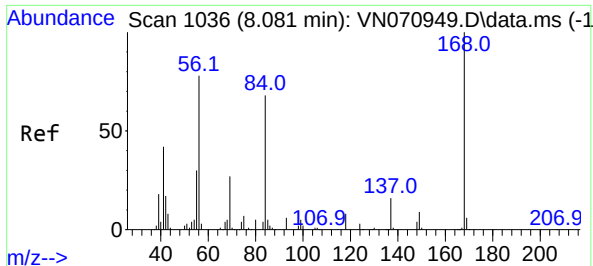
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN071161.D
Acq On : 04 Mar 2022 11:06
Operator : JC\MD
Sample : VN0304MBL01
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

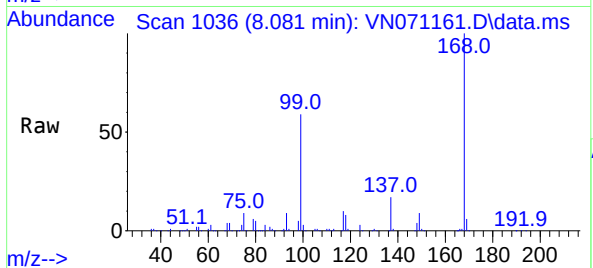
Quant Time: Mar 04 22:14:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
Quant Title : SW846 8260
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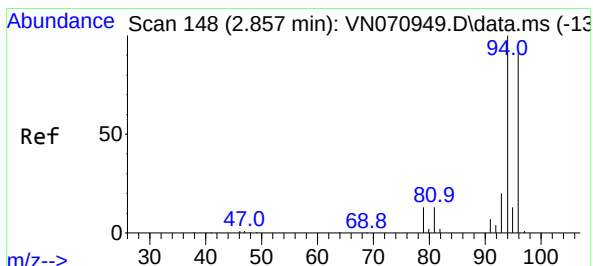
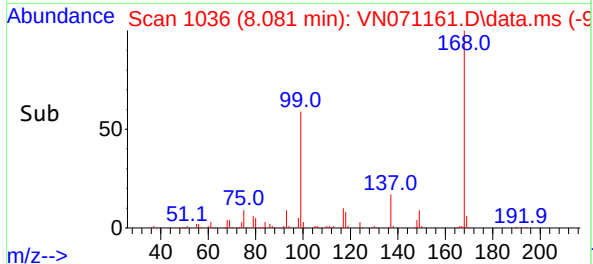
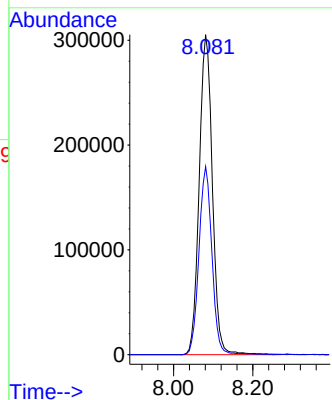


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :

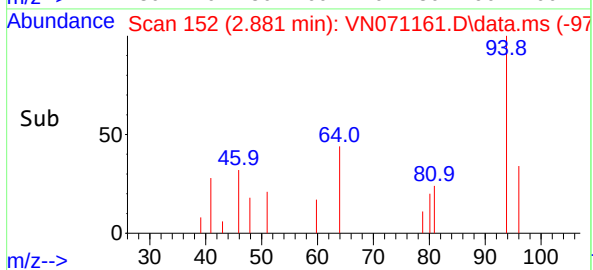
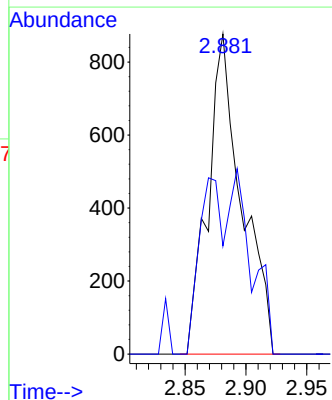
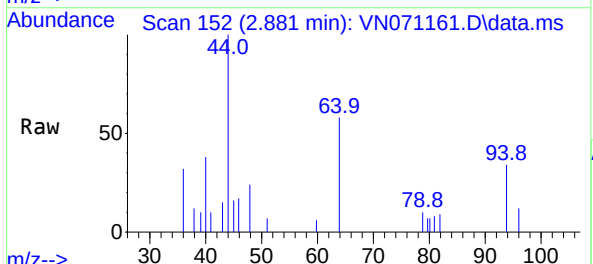


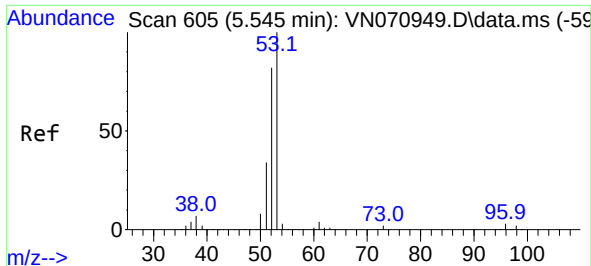
Tgt Ion:168 Resp: 704776
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#5
Bromomethane
Concen: 0.324 ug/l
RT: 2.881 min Scan# 152
Delta R.T. 0.024 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

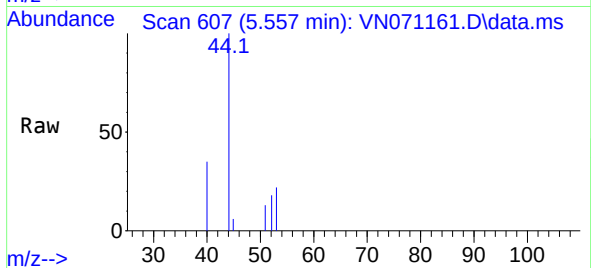
Tgt Ion: 94 Resp: 1693
Ion Ratio Lower Upper
94 100
96 33.8 73.8 110.8#



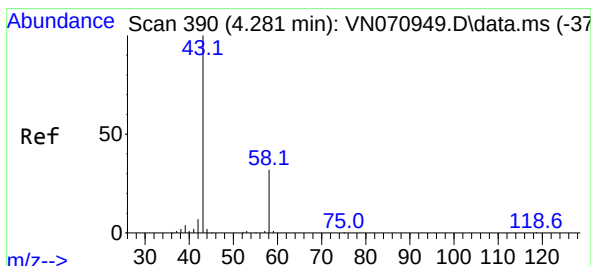
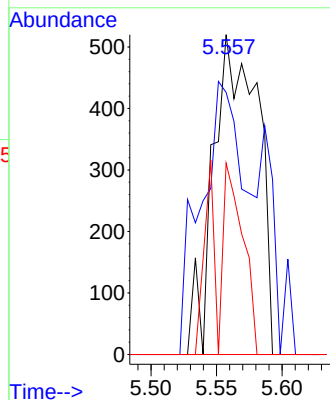
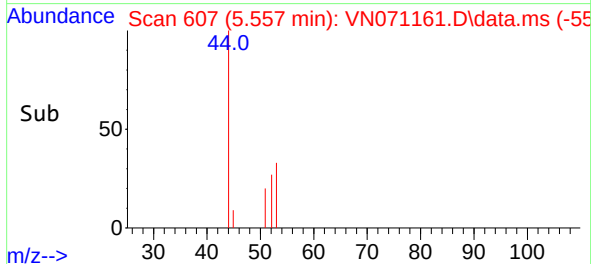


#15
Acrylonitrile
Concen: 0.284 ug/l
RT: 5.557 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :

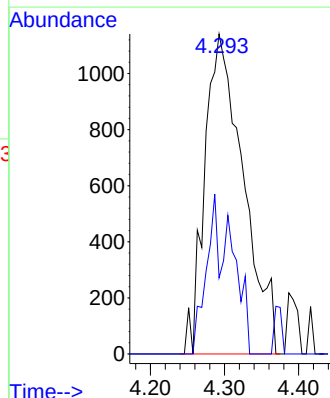
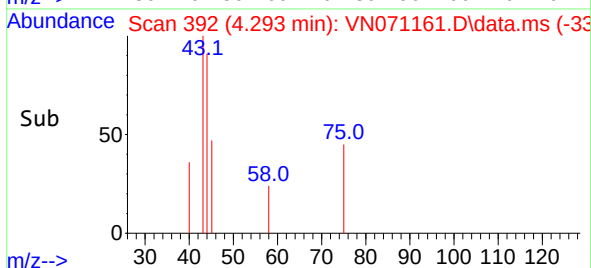
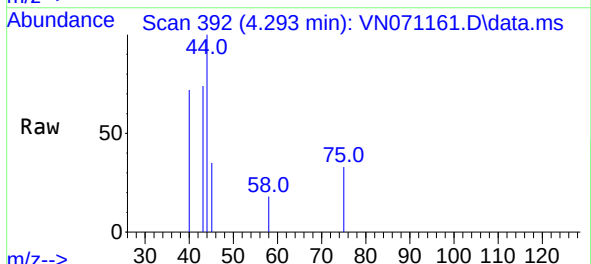


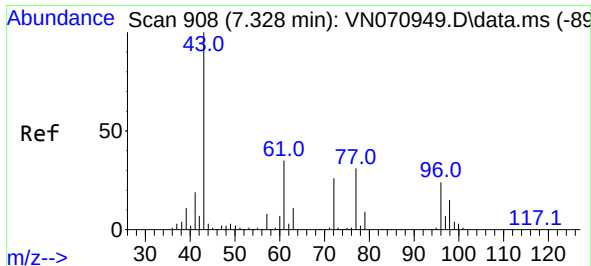
Tgt Ion: 53 Resp: 1227
Ion Ratio Lower Upper
53 100
52 86.9 66.2 99.2
51 26.5 29.6 44.4#



#16
Acetone
Concen: 0.929 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
58 23.8 23.1 34.7

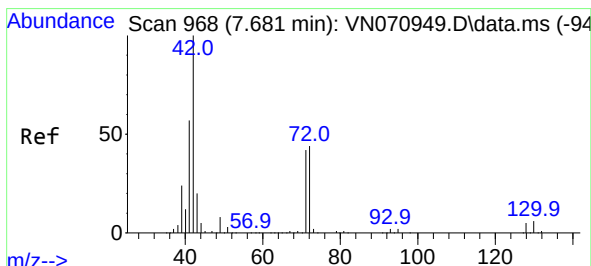
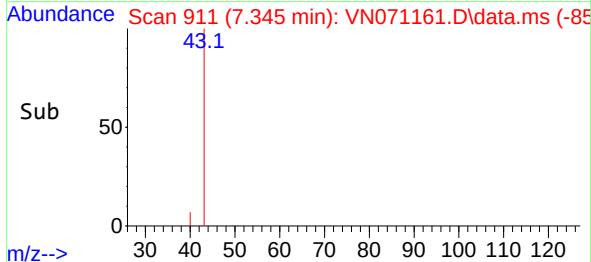
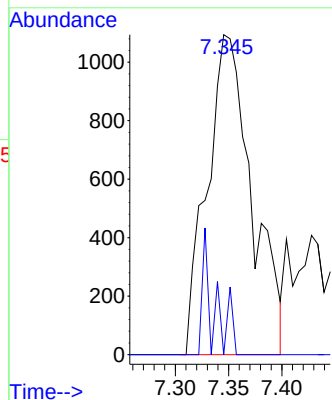
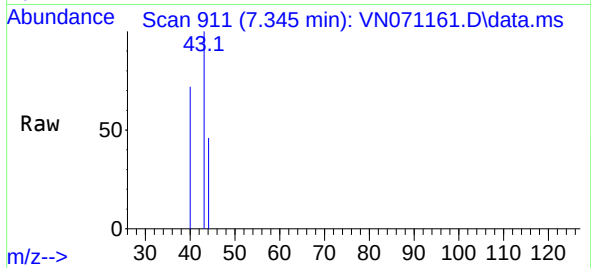




#25
2-Butanone
Concen: 0.542 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

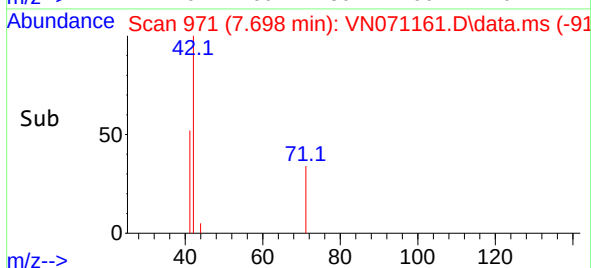
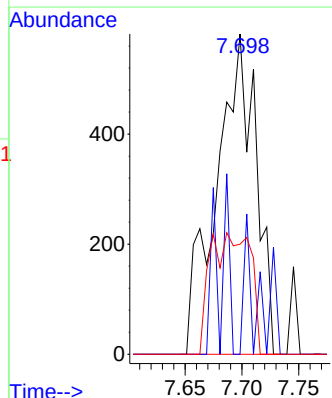
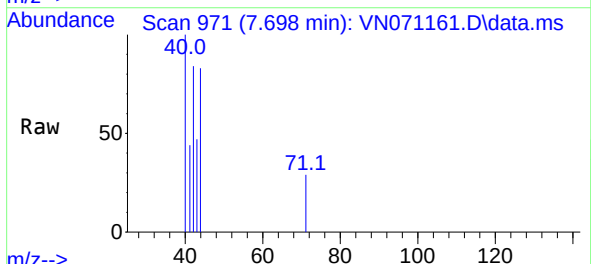
Instrument :
MSVOA_N
ClientSampleId :

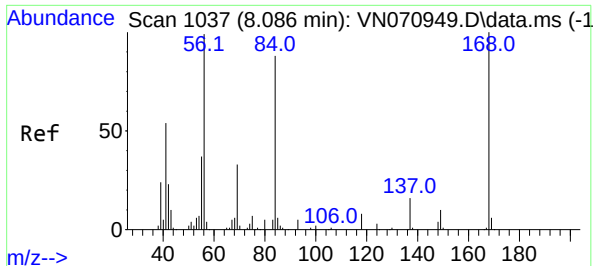
Tgt Ion: 43 Resp: 3194
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.368 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

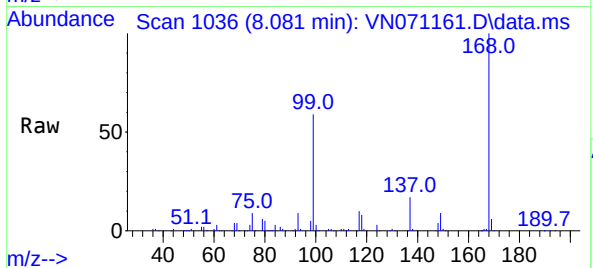
Tgt Ion: 42 Resp: 1405
Ion Ratio Lower Upper
42 100
72 10.2 36.3 54.5#
71 0.0 34.7 52.1#



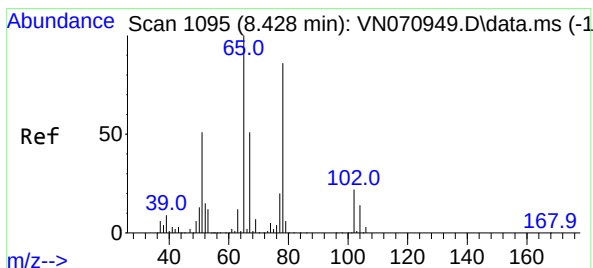
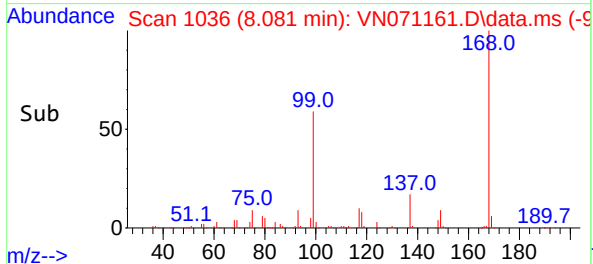
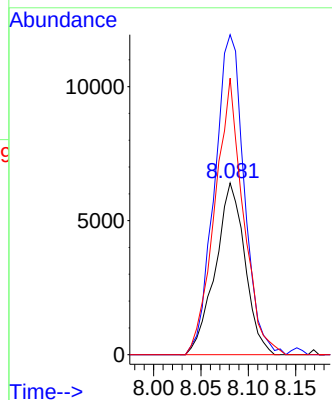


#31
Cyclohexane
Concen: 0.999 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :

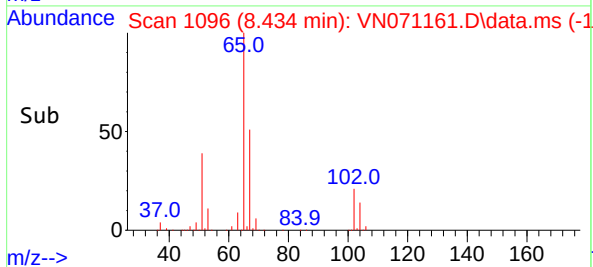
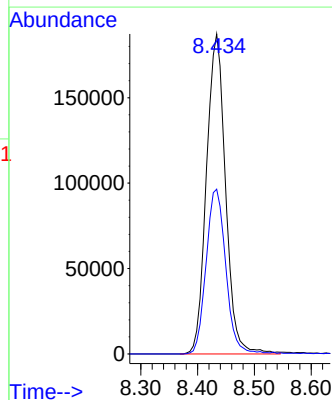
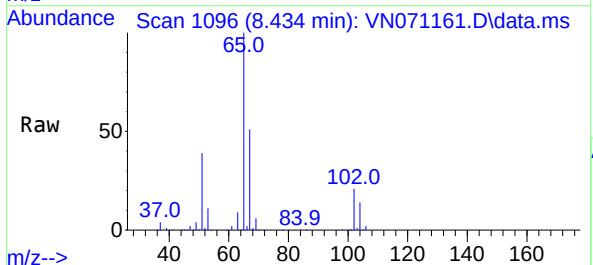


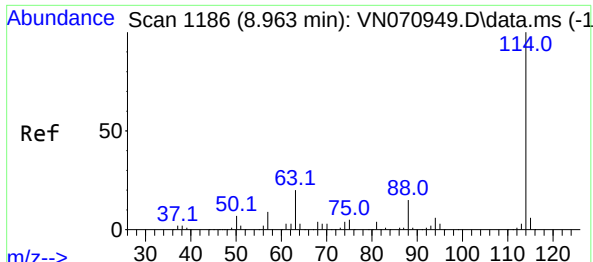
Tgt Ion: 56 Resp: 13904
Ion Ratio Lower Upper
56 100
69 186.4 27.1 40.7#
84 161.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.193 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

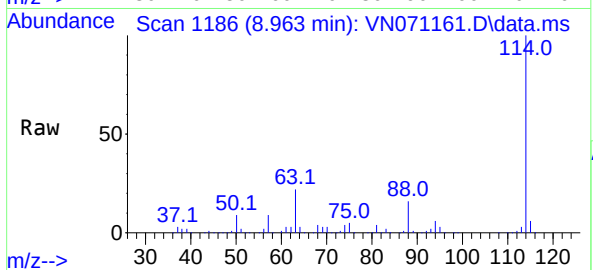
Tgt Ion: 65 Resp: 436299
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0



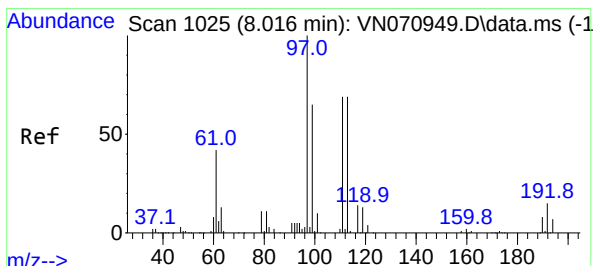
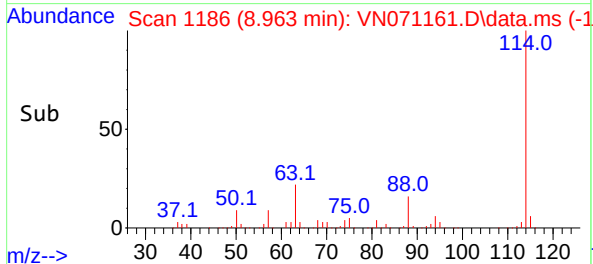
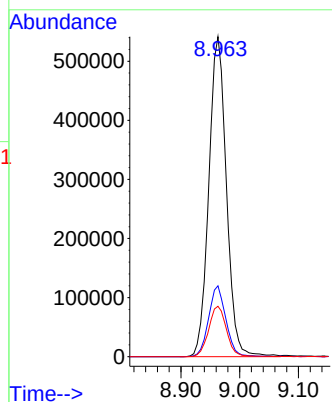


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :

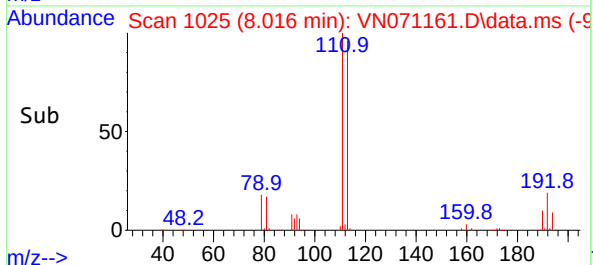
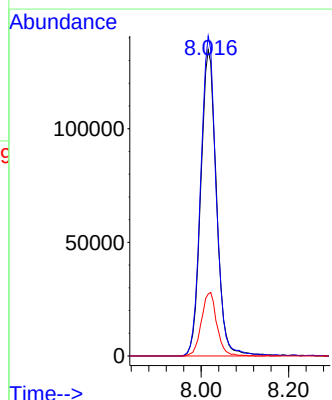
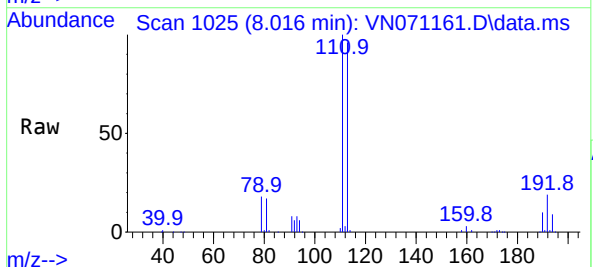


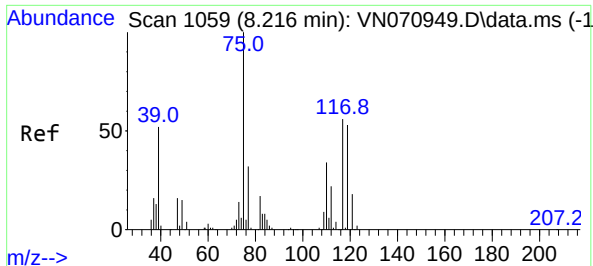
Tgt Ion:114 Resp: 1129125
Ion Ratio Lower Upper
114 100
63 22.1 0.0 37.8
88 15.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion:113 Resp: 336878
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071161.D

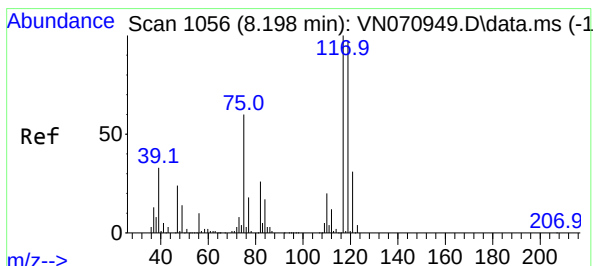
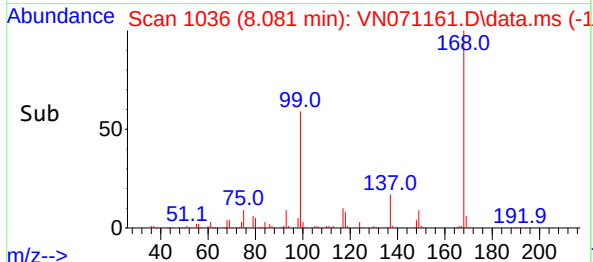
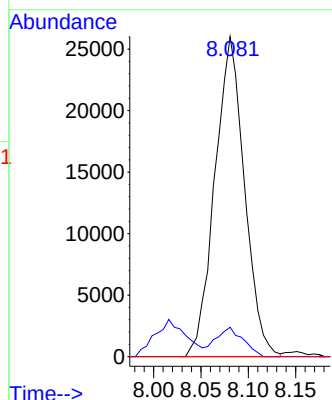
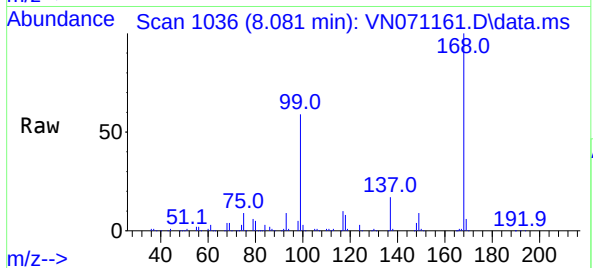
Acq: 04 Mar 2022 11:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	56639
Ion Ratio	Lower	Upper	
75	100		
110	8.6	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.189 ug/l

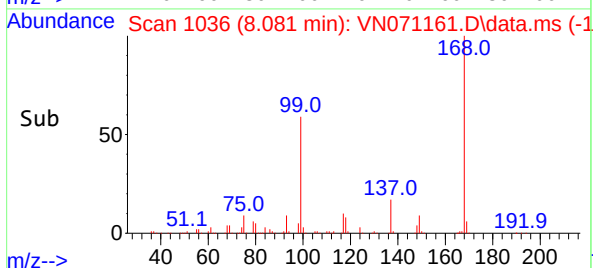
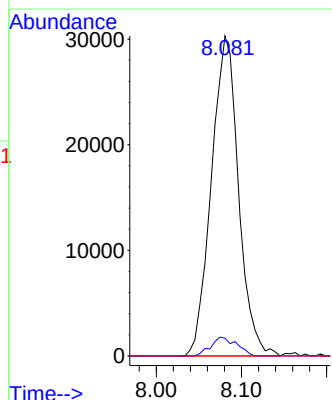
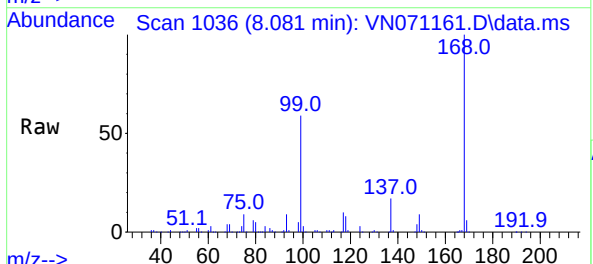
RT: 8.081 min Scan# 1036

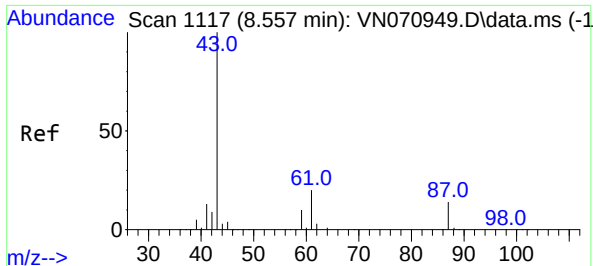
Delta R.T. -0.118 min

Lab File: VN071161.D

Acq: 04 Mar 2022 11:06

Tgt Ion:	117	Resp:	67097
Ion Ratio	Lower	Upper	
117	100		
119	5.6	76.1	114.1#
121	0.0	24.2	36.2#

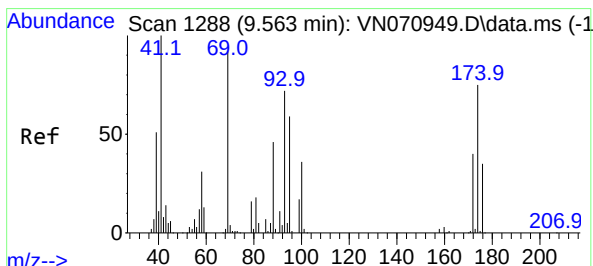
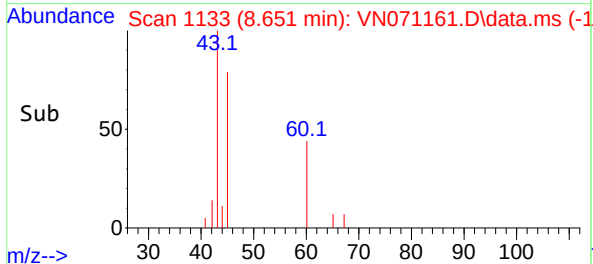
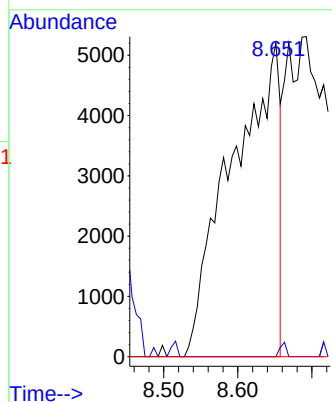
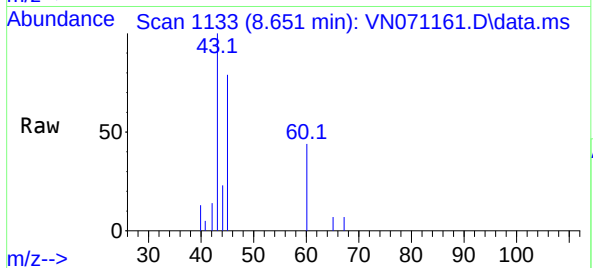




#43
Isopropyl Acetate
Concen: 1.260 ug/l
RT: 8.651 min Scan# 1117
Delta R.T. 0.094 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

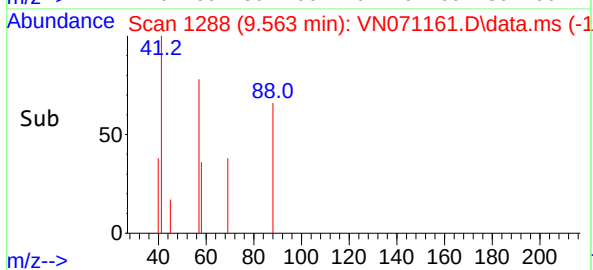
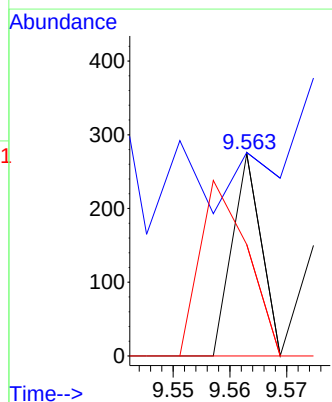
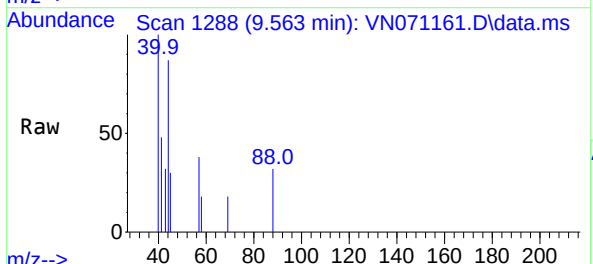
Instrument :
MSVOA_N
ClientSampleId :

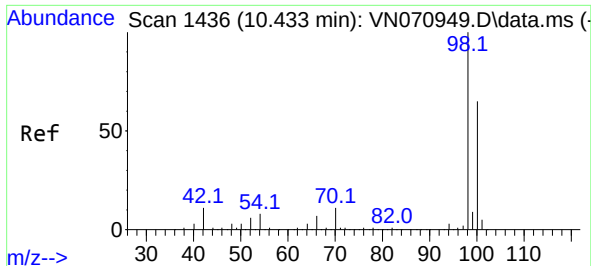
Tgt Ion: 43 Resp: 23438
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#49
1,4-Dioxane
Concen: 0.620 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 141.2 50.6 75.8#

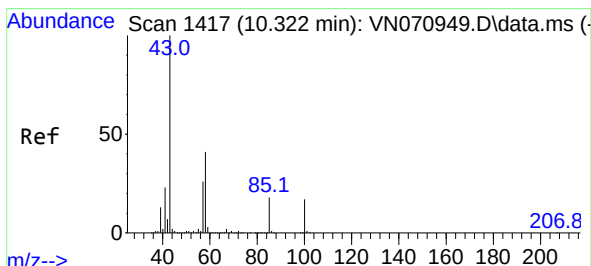
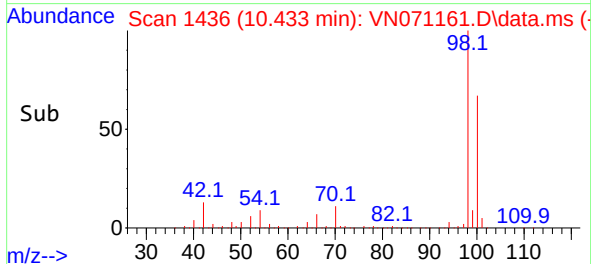
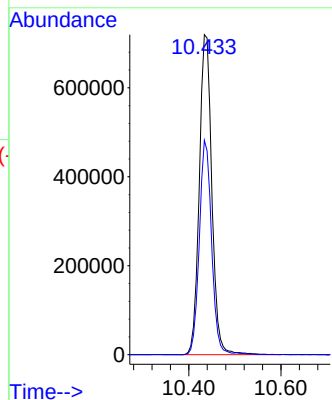
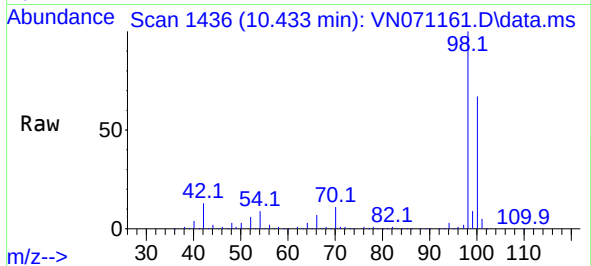




#50
Toluene-d8
Concen: 50.634 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

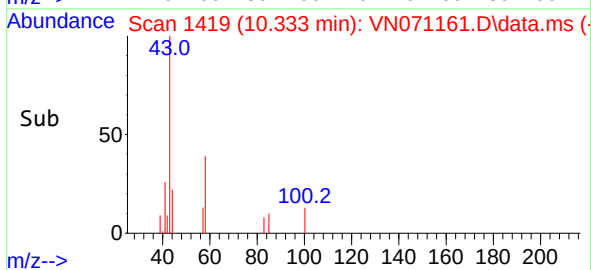
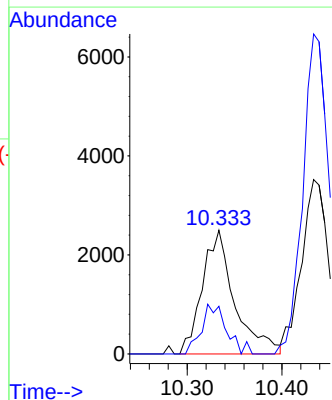
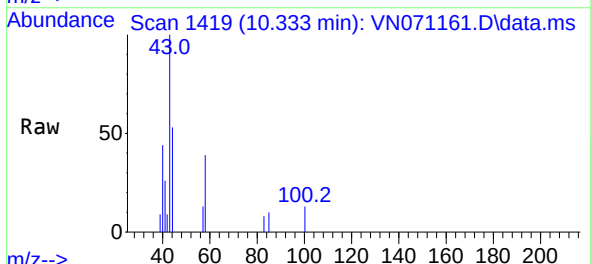
Instrument :
MSVOA_N
ClientSampleId :

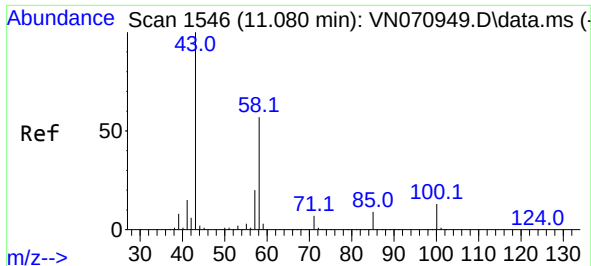
Tgt Ion: 98 Resp: 1365643
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.524 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion: 43 Resp: 5927
Ion Ratio Lower Upper
43 100
58 31.3 30.4 45.6

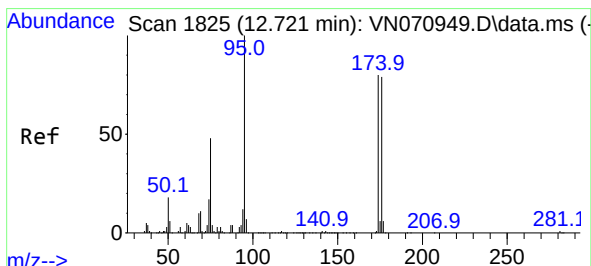
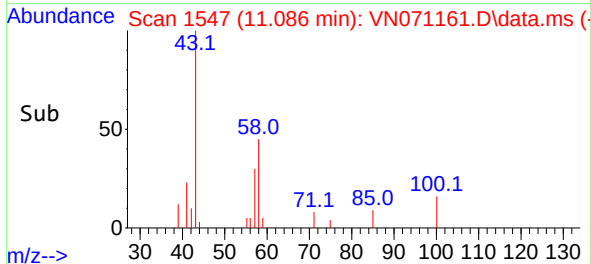
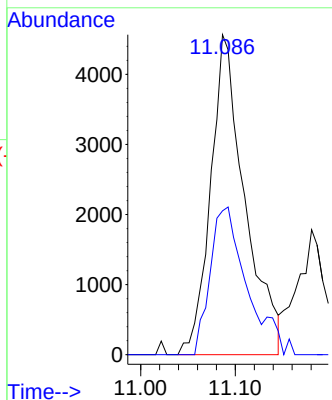
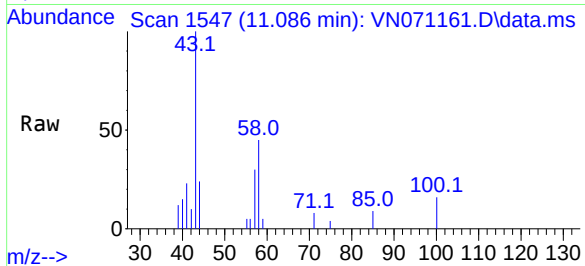




#59
2-Hexanone
Concen: 1.474 ug/l
RT: 11.086 min Scan# 11476
Delta R.T. 0.006 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

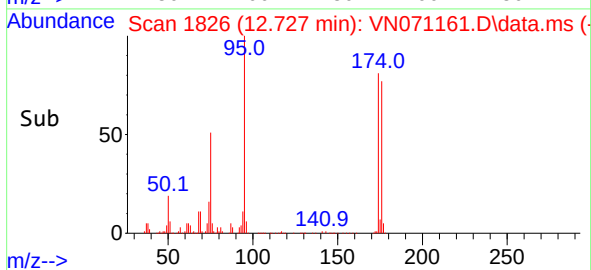
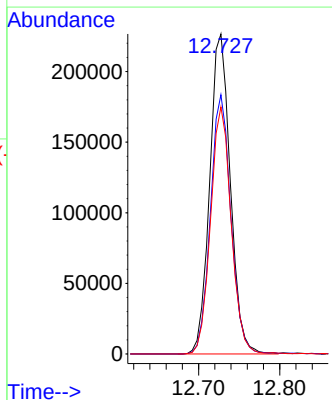
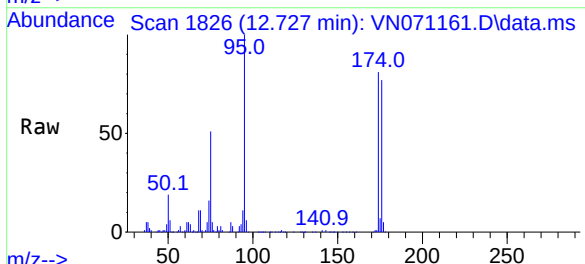
Instrument :
MSVOA_N
ClientSampleId :

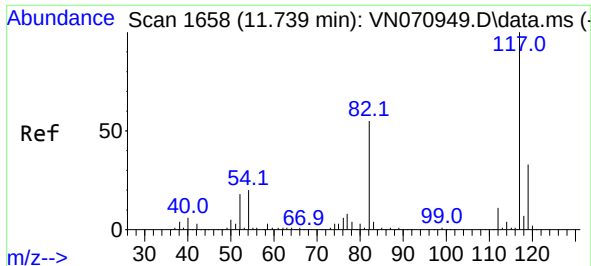
Tgt Ion: 43 Resp: 11476
Ion Ratio Lower Upper
43 100
58 49.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 41.468 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion: 95 Resp: 399774
Ion Ratio Lower Upper
95 100
174 80.8 0.0 187.2
176 77.1 0.0 181.4

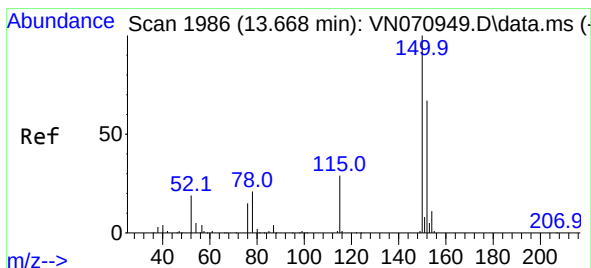
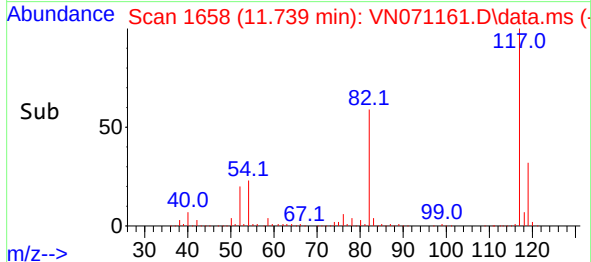
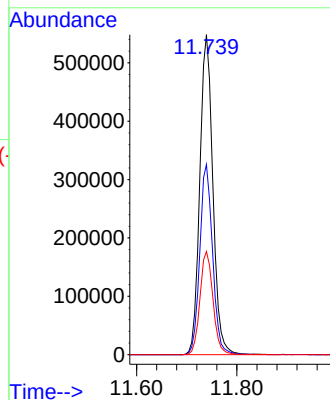
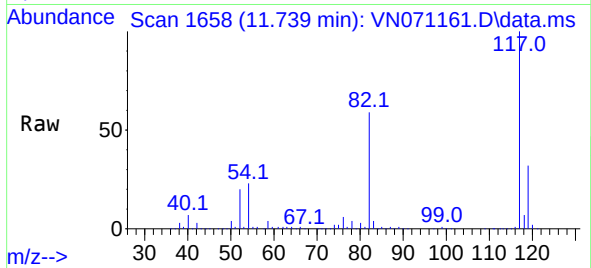




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

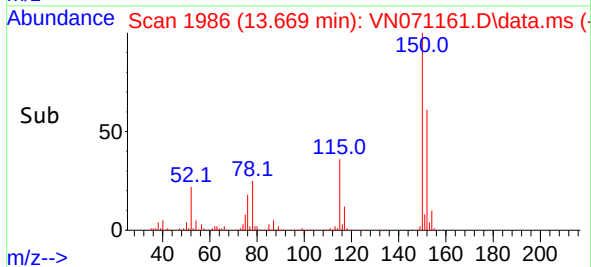
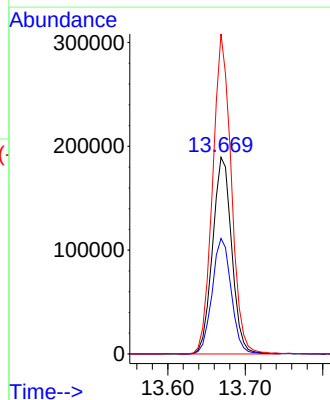
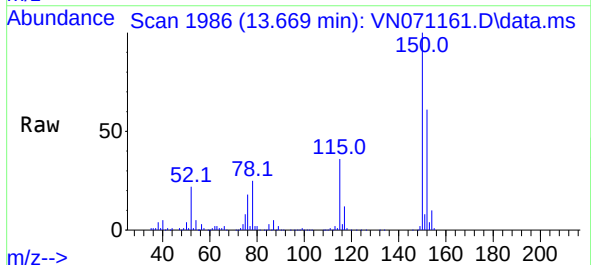
Instrument :
MSVOA_N
ClientSampleId :

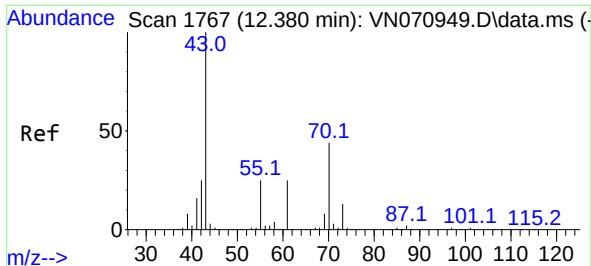
Tgt Ion:117 Resp: 990284
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion:152 Resp: 325072
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 158.5 0.0 344.4

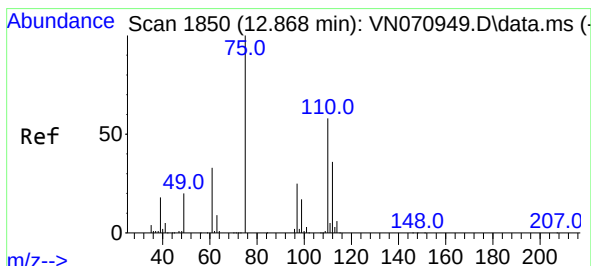
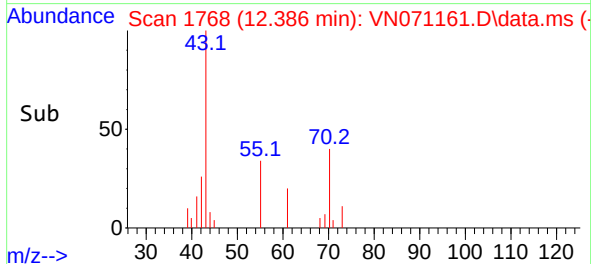
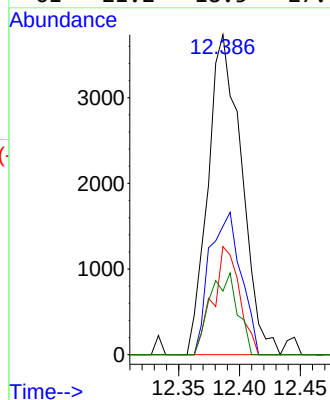
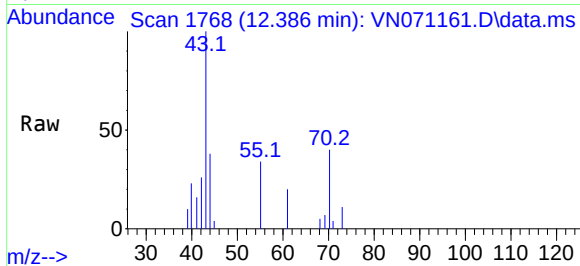




#74
N-amy1 acetate
Concen: 0.855 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

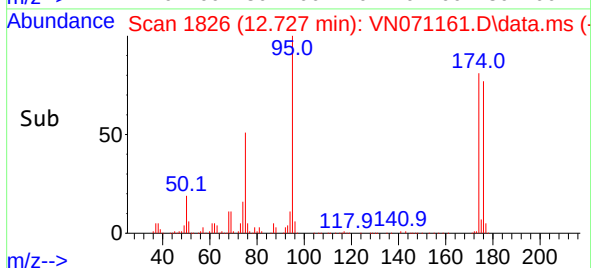
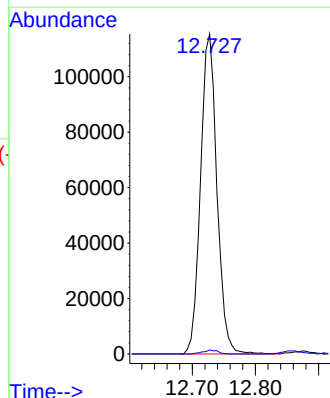
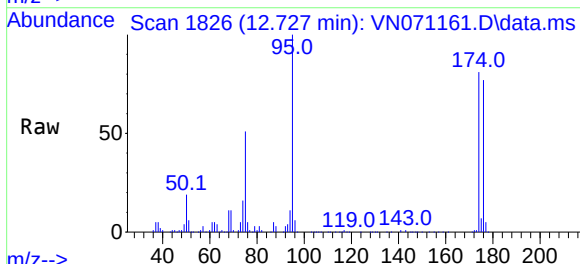
Instrument :
MSVOA_N
ClientSampleId :

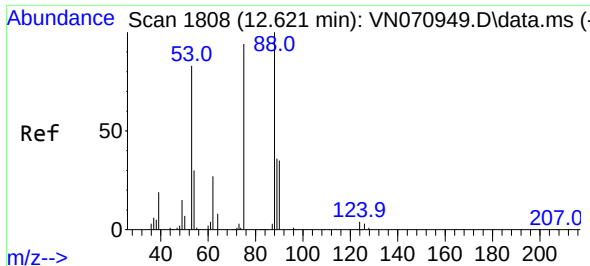
Tgt Ion: 43	Resp: 7155
Ion Ratio	Lower Upper
43 100	
70 41.7	33.4 50.0
55 26.7	19.3 28.9
61 21.2	18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 27.095 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

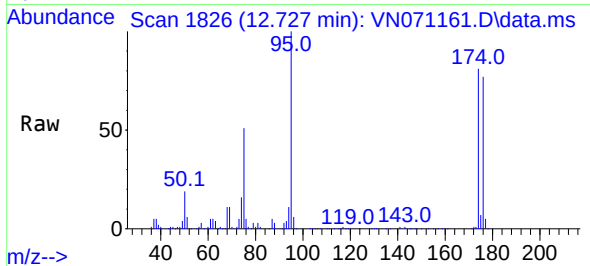
Tgt Ion: 75	Resp: 207382
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#



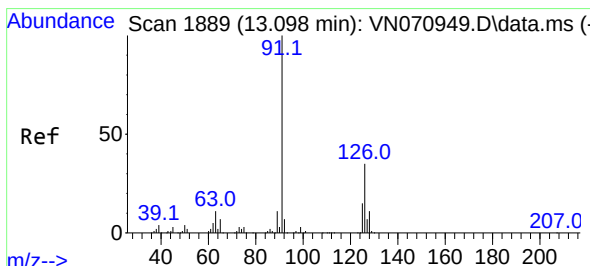
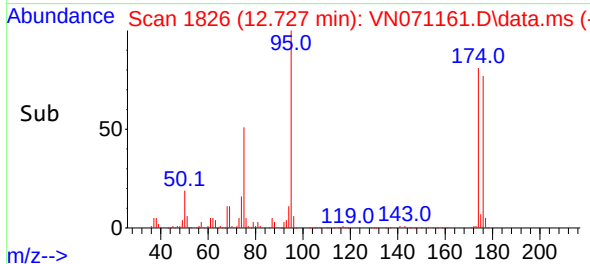
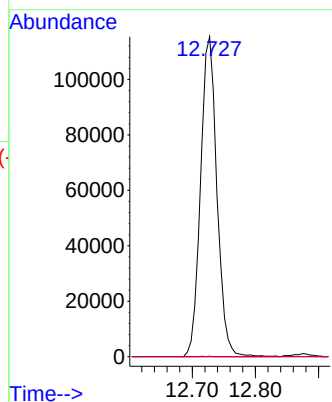


#81
trans-1,4-Dichloro-2-butene
Concen: 87.801 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :

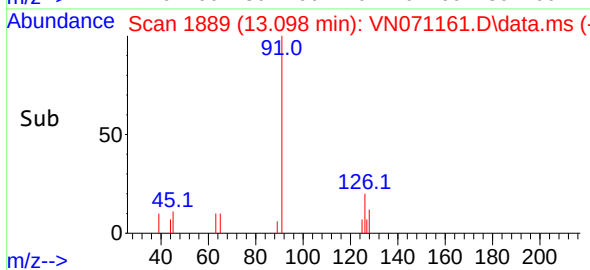
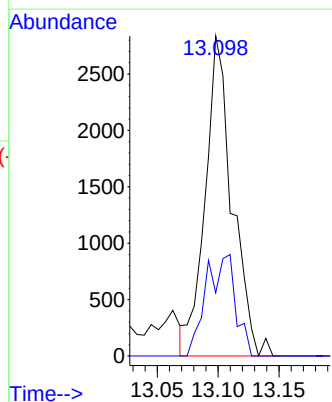
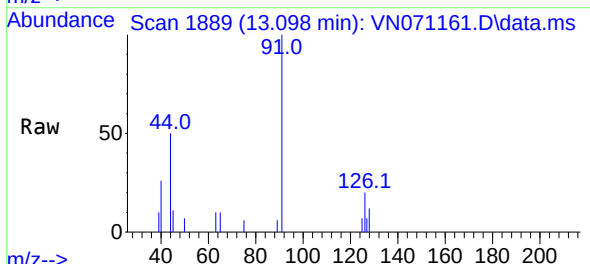


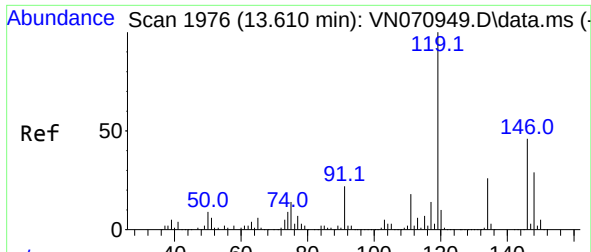
Tgt Ion: 75 Resp: 207382
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 0.253 ug/l
RT: 13.098 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion: 91 Resp: 4380
Ion Ratio Lower Upper
91 100
126 34.3 18.2 54.6





#87

1,3-Dichlorobenzene

Concen: 0.262 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VN071161.D

Acq: 04 Mar 2022 11:06

Instrument :

MSVOA_N

ClientSampleId :

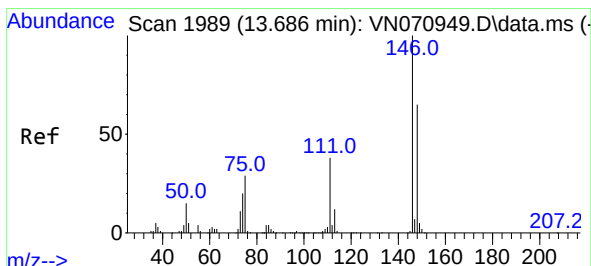
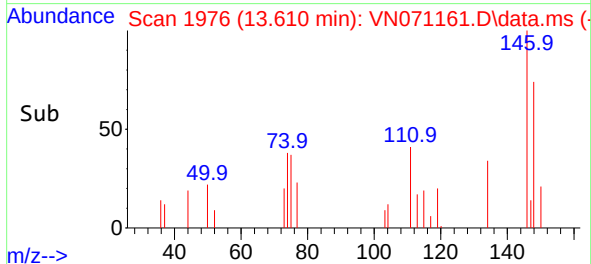
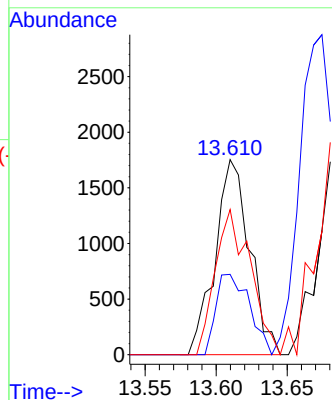
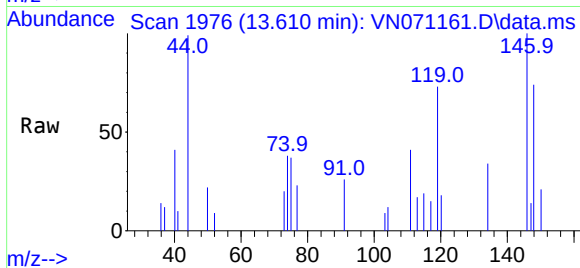
Tgt Ion:146 Resp: 2967

Ion Ratio Lower Upper

146 100

111 39.8 18.6 55.6

148 75.5 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.267 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. -0.076 min

Lab File: VN071161.D

Acq: 04 Mar 2022 11:06

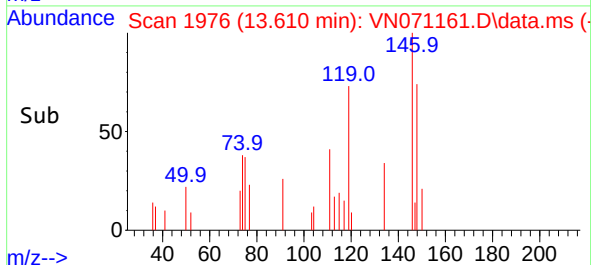
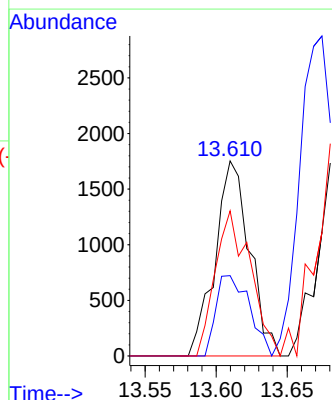
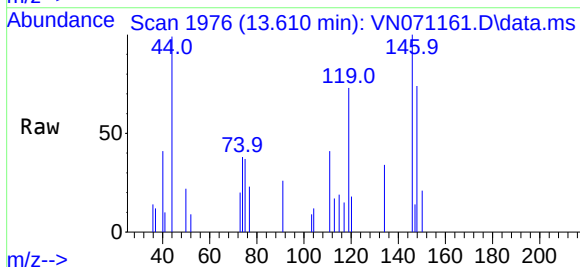
Tgt Ion:146 Resp: 2967

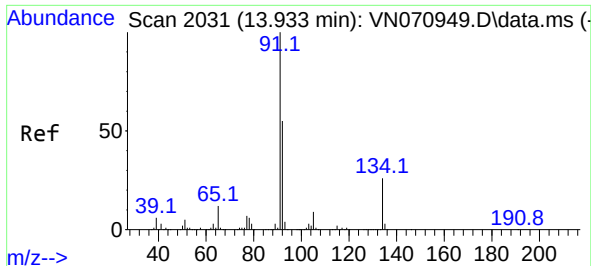
Ion Ratio Lower Upper

146 100

111 39.8 18.3 54.8

148 75.5 31.8 95.4





#89

n-Butylbenzene

Concen: 0.394 ug/l

RT: 13.933 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VN071161.D

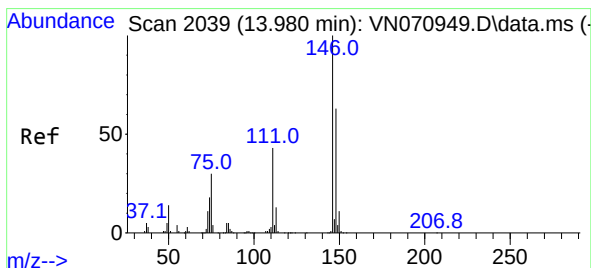
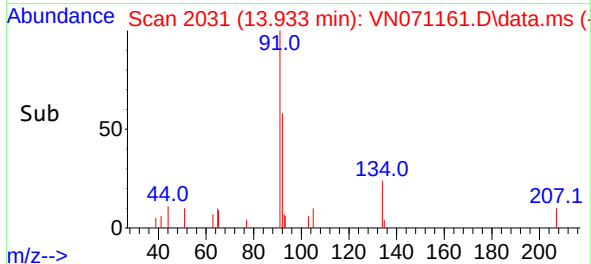
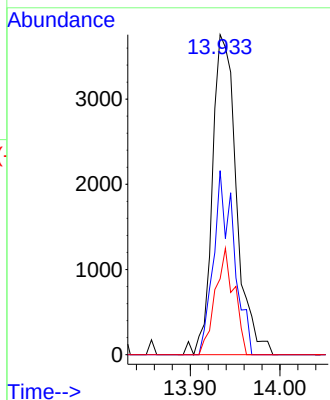
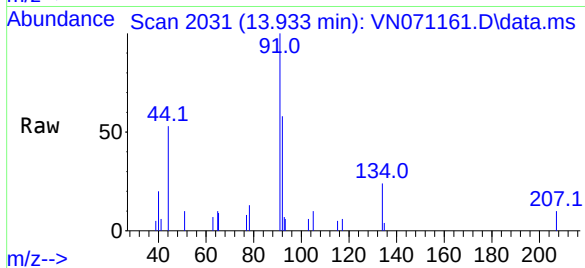
Acq: 04 Mar 2022 11:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	6999
Ion	Ratio	Lower Upper
91	100	
92	48.7	25.4 76.0
134	26.3	13.6 40.8



#91

1,2-Dichlorobenzene

Concen: 0.363 ug/l

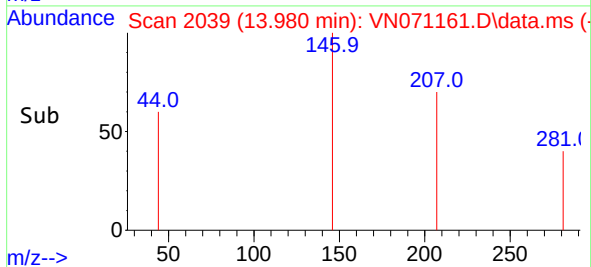
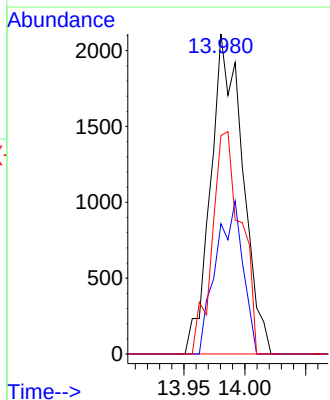
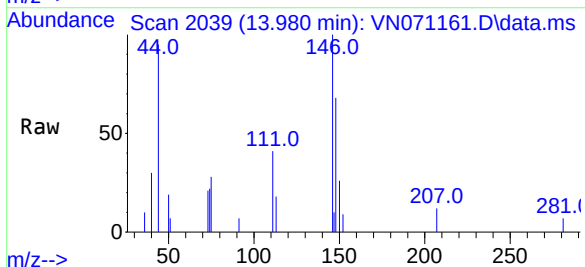
RT: 13.980 min Scan# 2039

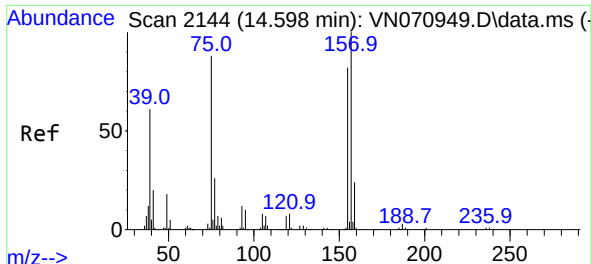
Delta R.T. 0.000 min

Lab File: VN071161.D

Acq: 04 Mar 2022 11:06

Tgt Ion: 146	Resp:	3860
Ion	Ratio	Lower Upper
146	100	
111	40.1	19.1 57.3
148	62.7	32.1 96.3

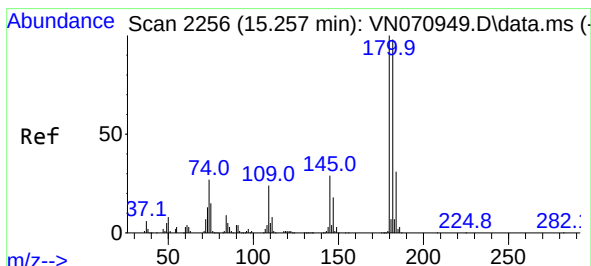
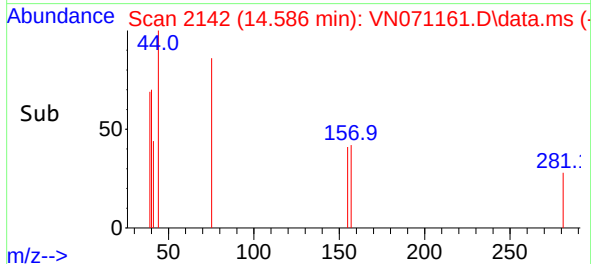
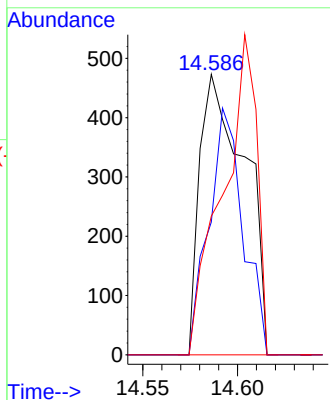
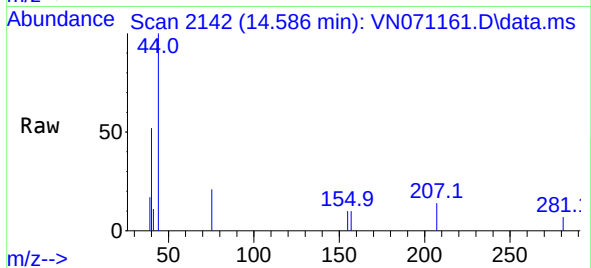




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.580 ug/l
RT: 14.586 min Scan# 2144
Delta R.T. -0.012 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

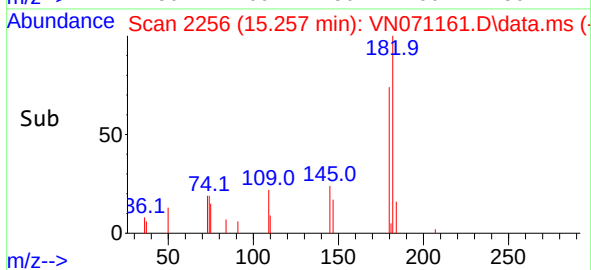
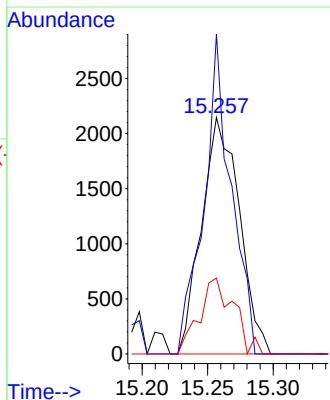
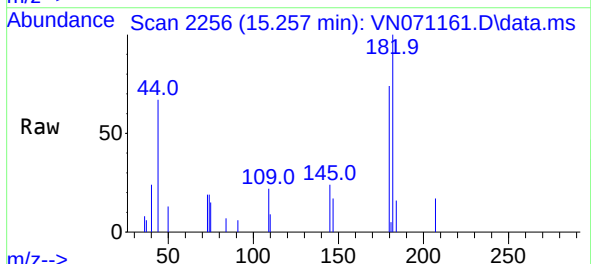
Instrument :
MSVOA_N
ClientSampleId :

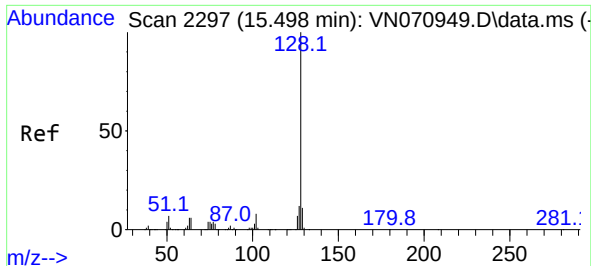
Tgt Ion: 75 Resp: 781
Ion Ratio Lower Upper
75 100
155 66.8 46.9 140.7
157 86.6 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 2.688 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion: 180 Resp: 4298
Ion Ratio Lower Upper
180 100
182 97.5 48.3 144.9
145 29.3 14.5 43.5

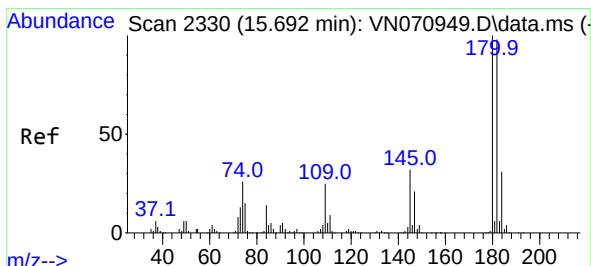
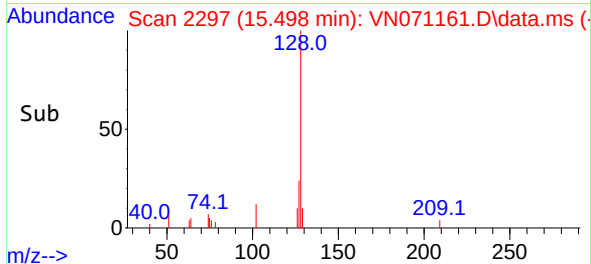
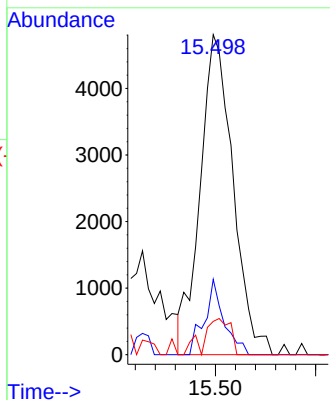
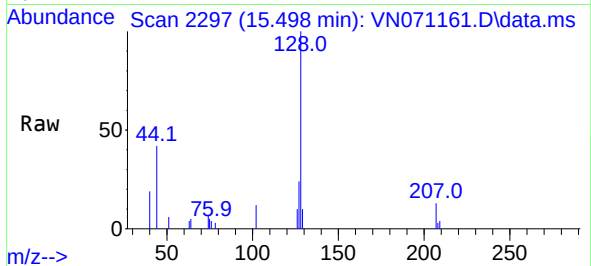




#95
Naphthalene
Concen: 5.668 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	10946
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.5	15.7
129	9.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.255 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071161.D
Acq: 04 Mar 2022 11:06

Tgt Ion:	180	Resp:	4294
Ion	Ratio	Lower	Upper
180	100		
182	104.9	47.4	142.2
145	38.0	15.0	45.1

