

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031122\
 Data File : VN071251.D
 Acq On : 11 Mar 2022 16:58
 Operator : JC\MD
 Sample : N1886-02
 Misc : 1.02g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 02:17:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

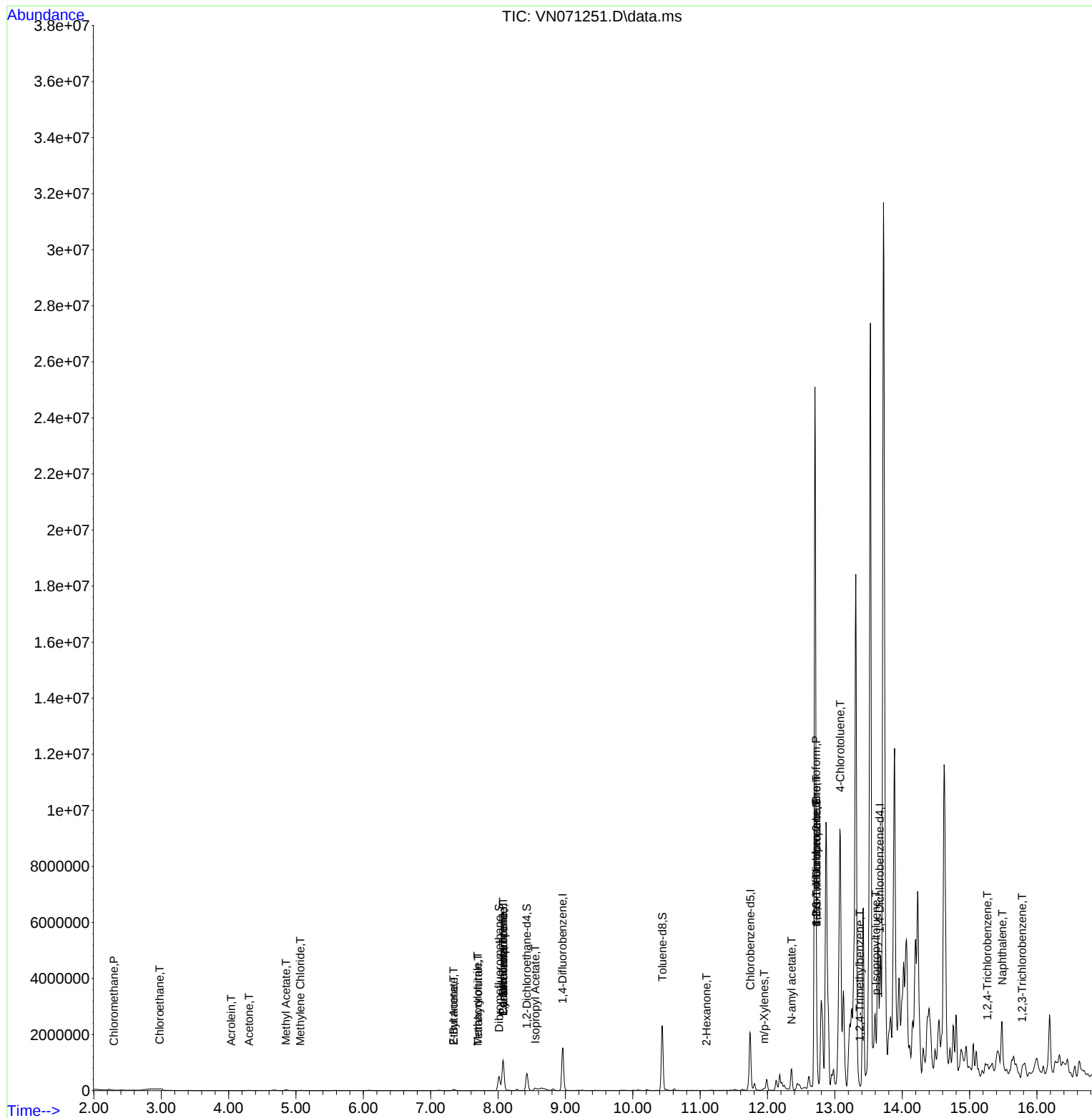
Internal Standards						
1) Pentafluorobenzene	8.075	168	824771	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.957	114	1348406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1188773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	530575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	515188	45.577	ug/l	-0.01
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.160%
35) Dibromofluoromethane	8.016	113	377945	44.418	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	88.840%
50) Toluene-d8	10.440	98	1632456	47.650	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.728	95	567482	48.916	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3702	0.271	ug/l	90
5) Bromomethane	2.840	94	223	Below Cal	#	54
6) Chloroethane	2.975	64	2006	0.299	ug/l	95
13) Acrolein	4.040	56	625	0.266	ug/l #	14
16) Acetone	4.305	43	18516	3.367	ug/l	95
18) Methyl Acetate	4.852	43	68802	5.084	ug/l	100
20) Methylene Chloride	5.063	84	4054	0.782	ug/l #	85
25) 2-Butanone	7.340	43	81222	9.167	ug/l #	89
29) Tetrahydrofuran	7.704	42	6038	0.984	ug/l	95
31) Cyclohexane	8.075	56	22764	1.261	ug/l #	9
36) 1,1-Dichloropropene	8.075	75	64722	4.747	ug/l #	43
37) Ethyl Acetate	7.340	43	81222	4.329	ug/l #	68
38) Carbon Tetrachloride	8.075	117	81137	6.153	ug/l #	17
41) Methacrylonitrile	7.699	41	4140	0.451	ug/l #	37
43) Isopropyl Acetate	8.551	43	113405	4.042	ug/l #	57
59) 2-Hexanone	11.092	43	2771	0.233	ug/l	96
68) m/p-Xylenes	11.951	106	4016	0.243	ug/l #	58
71) Bromoform	12.722	173	2722	0.383	ug/l #	1
74) N-amyl acetate	12.357	43	138136	7.183	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.810	83	23317	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.728	75	294008	21.240	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	294008	59.901	ug/l #	5
82) 4-Chlorotoluene	13.081	91	11079	0.353	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.369	105	13019	0.342	ug/l	96
86) p-Isopropyltoluene	13.610	119	51860	1.397	ug/l #	77
93) 1,2,4-Trichlorobenzene	15.263	180	2937	3.307	ug/l #	36
95) Naphthalene	15.486	128	23142	5.923	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.780	180	962	2.841	ug/l	64

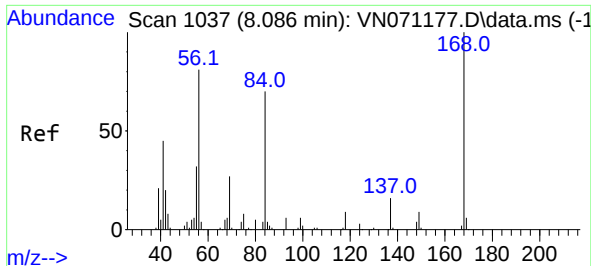
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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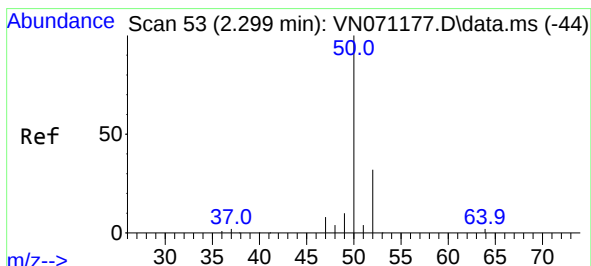
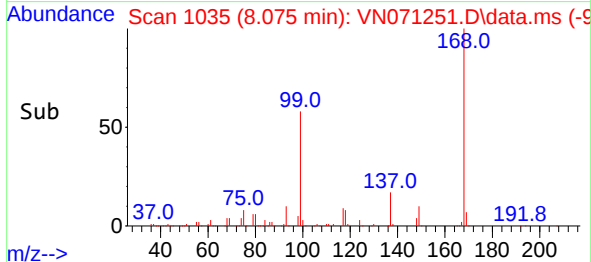
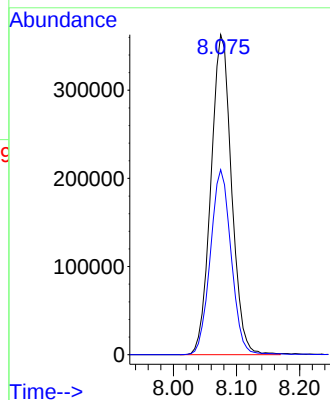
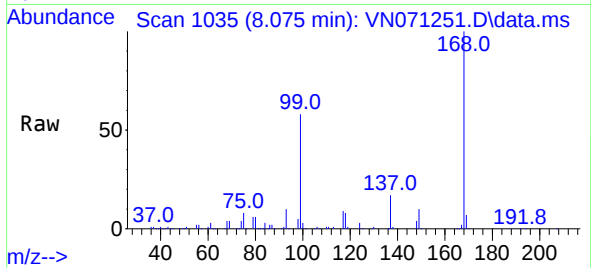




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.011 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

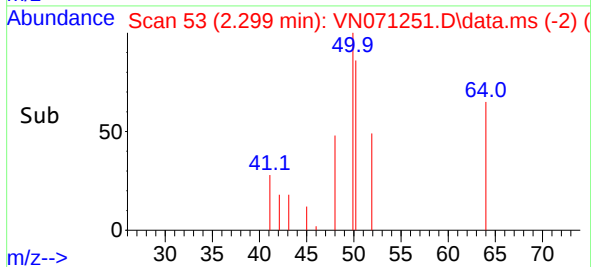
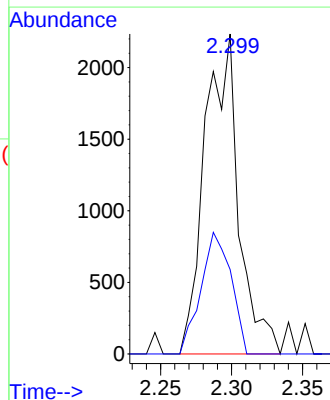
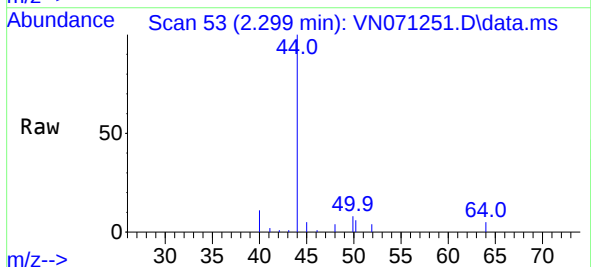
Instrument :
MSVOA_N
ClientSampleId :

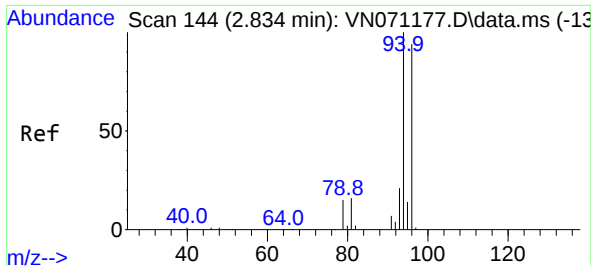
Tgt Ion:168 Resp: 824771
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 50 Resp: 3702
Ion Ratio Lower Upper
50 100
52 26.4 25.4 38.0

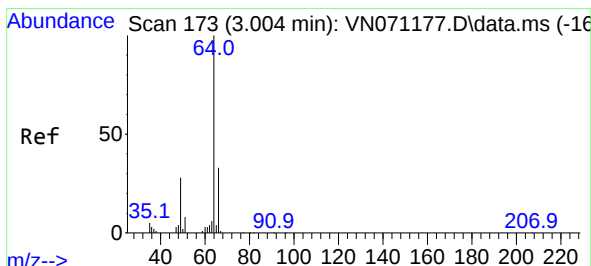
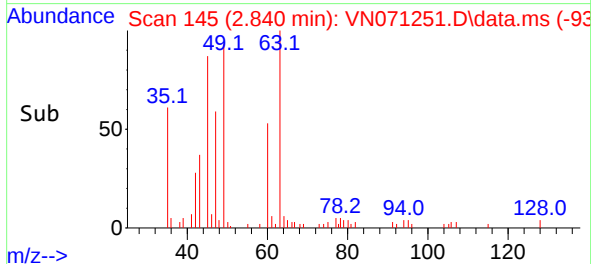
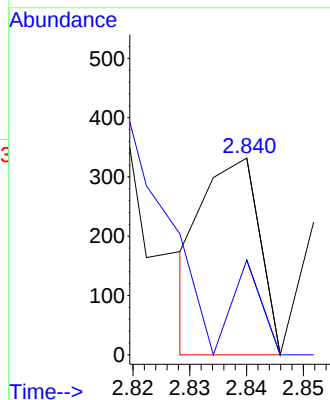
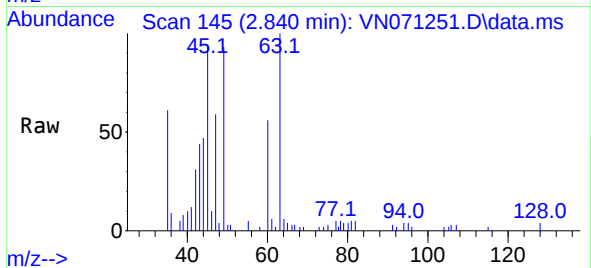




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 144
Delta R.T. 0.006 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

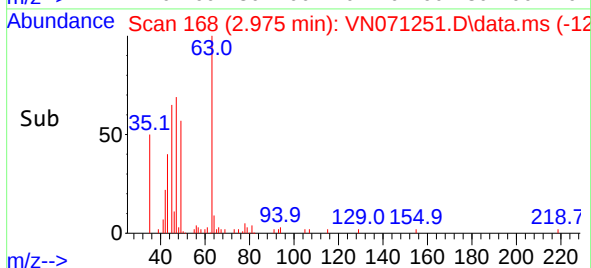
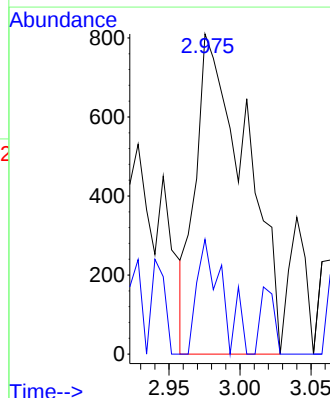
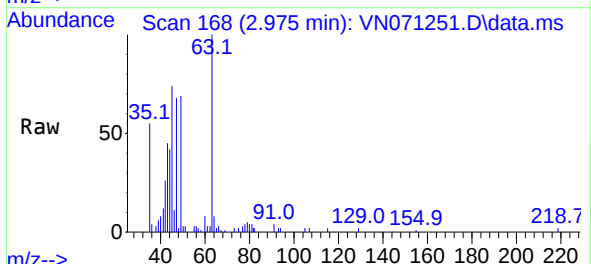
Instrument :
MSVOA_N
ClientSampleId :

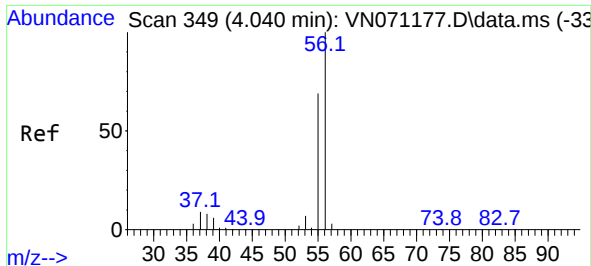
Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 48.2 73.8 110.8#



#6
Chloroethane
Concen: 0.299 ug/l
RT: 2.975 min Scan# 168
Delta R.T. -0.029 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 64 Resp: 2006
Ion Ratio Lower Upper
64 100
66 35.8 26.3 39.5

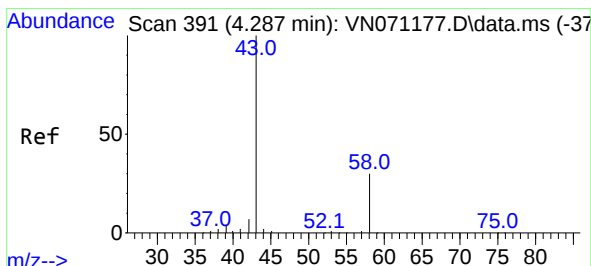
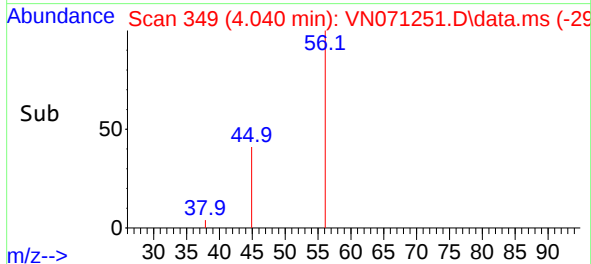
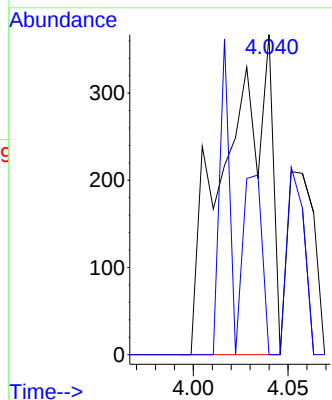
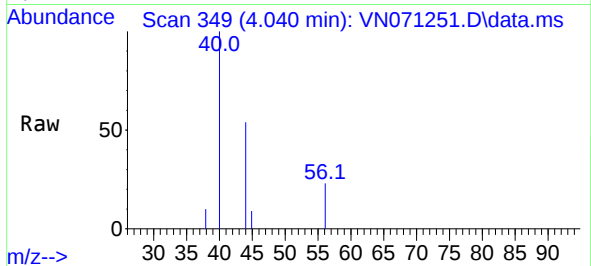




#13
Acrolein
Concen: 0.266 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

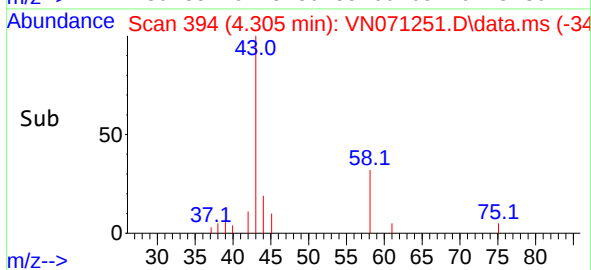
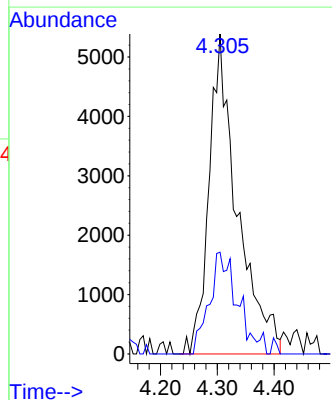
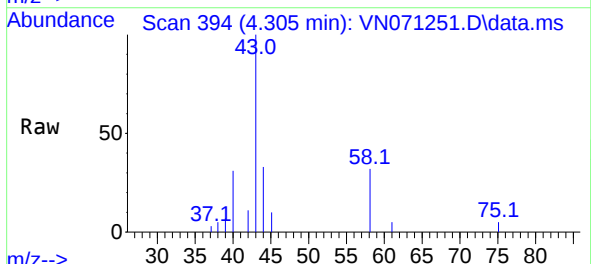
Instrument :
MSVOA_N
ClientSampleId :

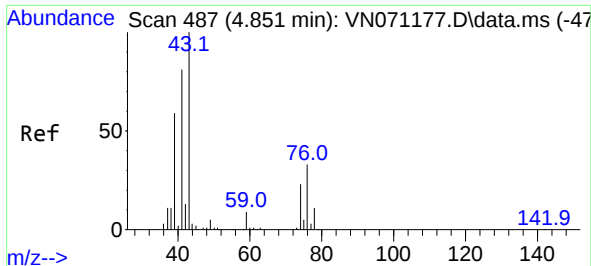
Tgt Ion: 56 Resp: 625
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 3.367 ug/l
RT: 4.305 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 43 Resp: 18516
Ion Ratio Lower Upper
43 100
58 31.8 23.1 34.7

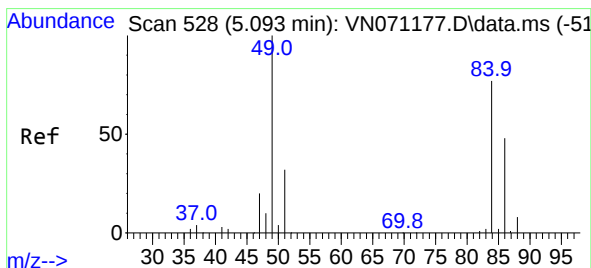
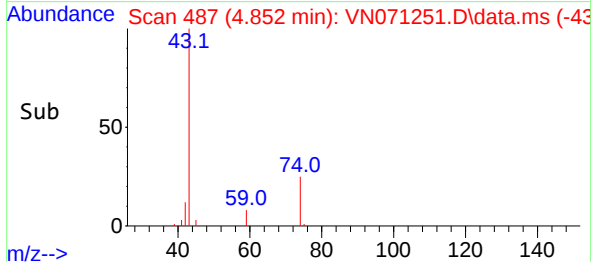
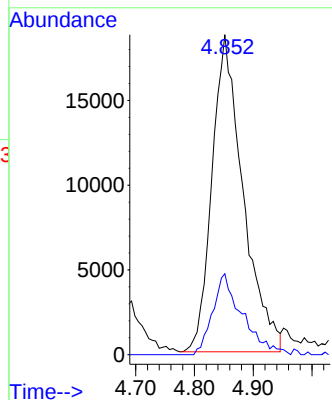
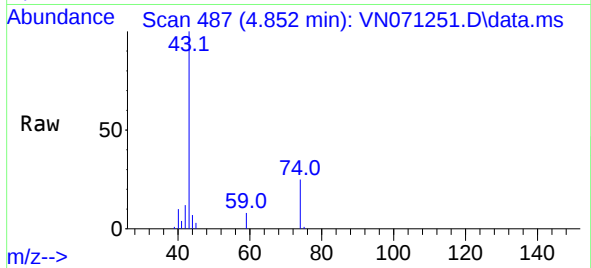




#18
Methyl Acetate
Concen: 5.084 ug/l
RT: 4.852 min Scan# 41
Delta R.T. 0.001 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

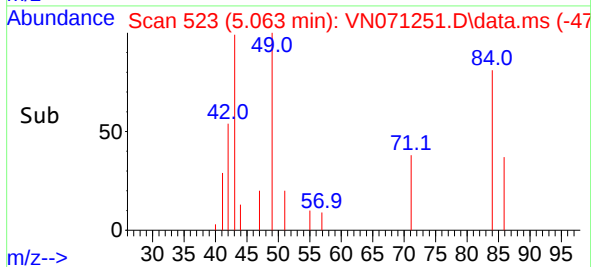
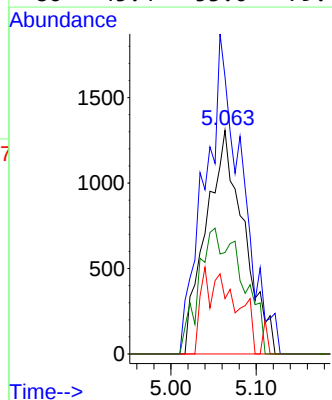
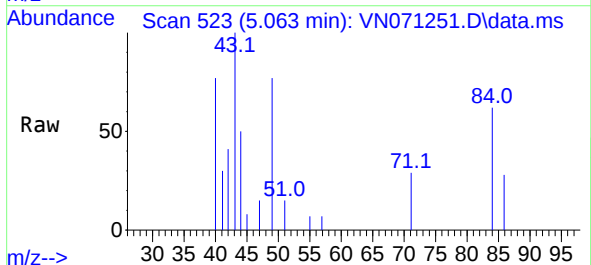
Instrument :
MSVOA_N
ClientSampleId :

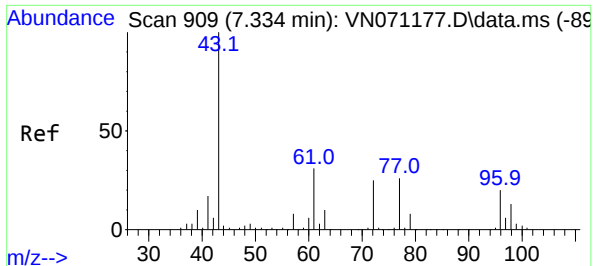
Tgt Ion: 43 Resp: 68802
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2



#20
Methylene Chloride
Concen: 0.782 ug/l
RT: 5.063 min Scan# 523
Delta R.T. -0.030 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 84 Resp: 4054
Ion Ratio Lower Upper
84 100
49 123.8 93.5 140.3
51 24.8 29.4 44.2#
86 45.4 53.0 79.4#





#25

2-Butanone

Concen: 9.167 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.006 min

Lab File: VN071251.D

Acq: 11 Mar 2022 16:58

Instrument :

MSVOA_N

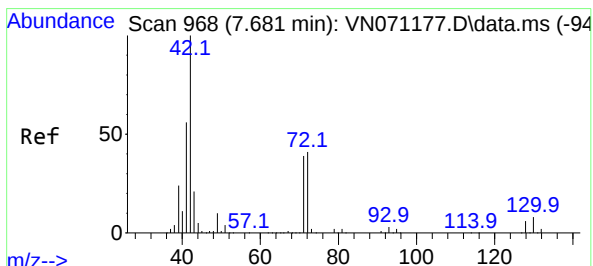
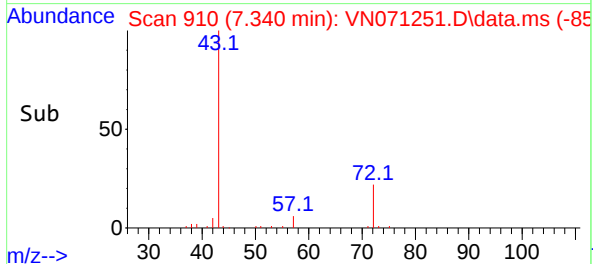
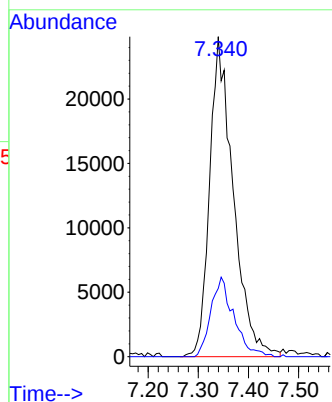
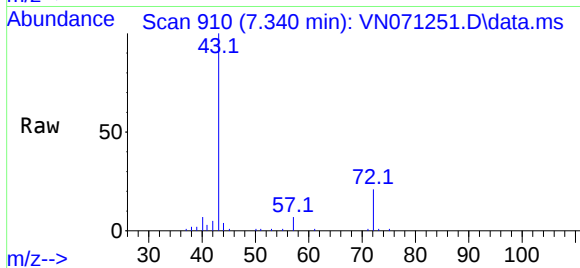
ClientSampleId :

Tgt Ion: 43 Resp: 81222

Ion Ratio Lower Upper

43 100

72 21.4 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.984 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.024 min

Lab File: VN071251.D

Acq: 11 Mar 2022 16:58

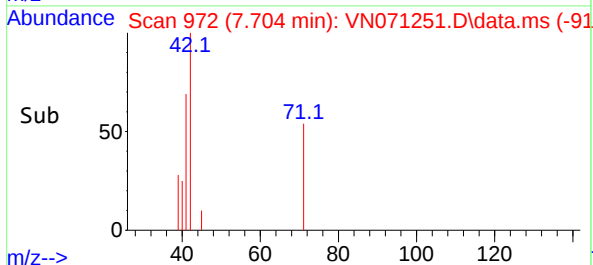
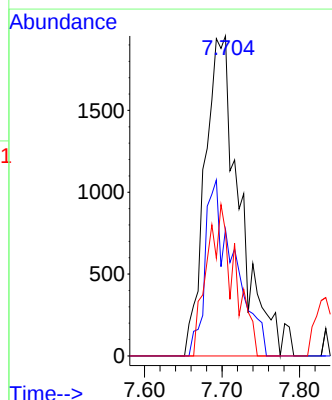
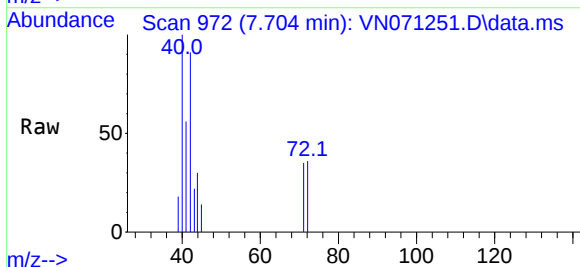
Tgt Ion: 42 Resp: 6038

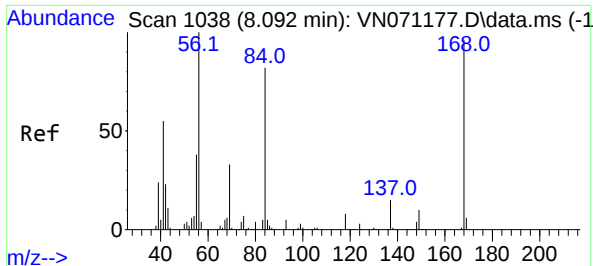
Ion Ratio Lower Upper

42 100

72 46.4 36.3 54.5

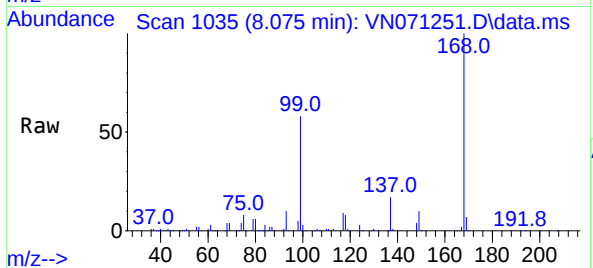
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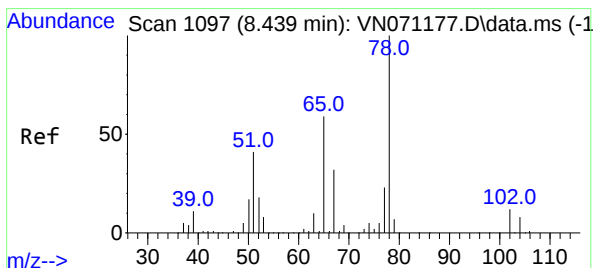
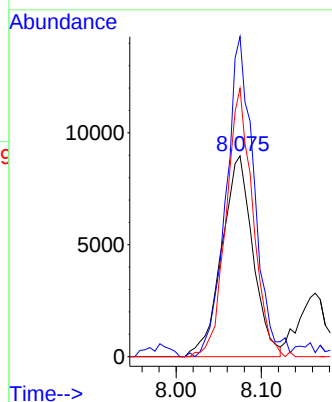
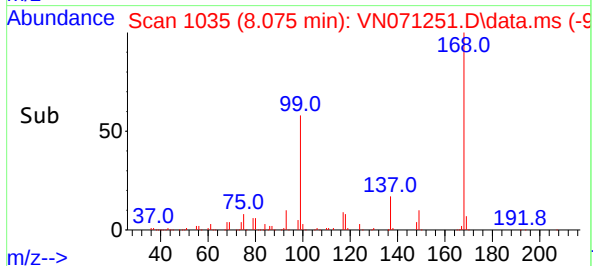


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

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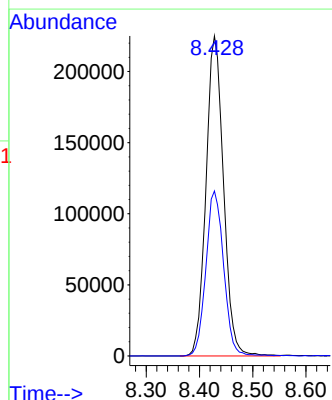
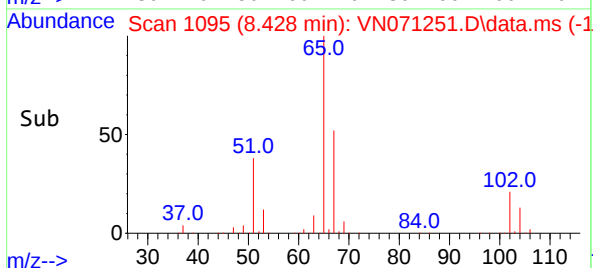
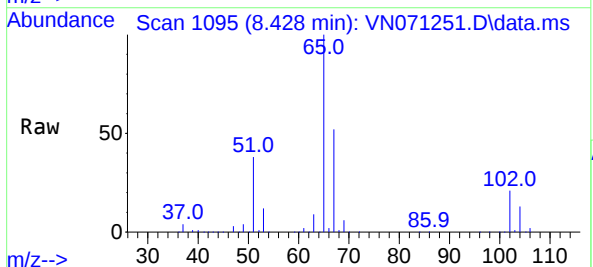


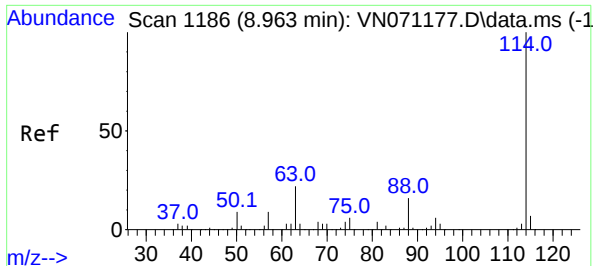
Tgt Ion: 56 Resp: 22764
Ion Ratio Lower Upper
56 100
69 159.4 27.1 40.7#
84 133.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 45.577 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.011 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 65 Resp: 515188
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.957 min Scan# 1185

Delta R.T. -0.006 min

Lab File: VN071251.D

Acq: 11 Mar 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

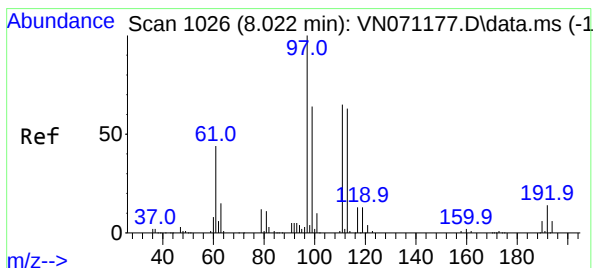
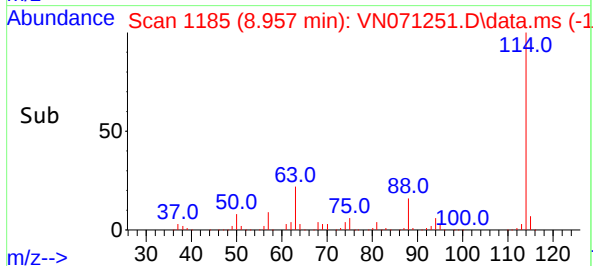
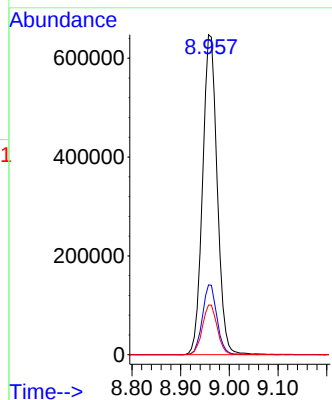
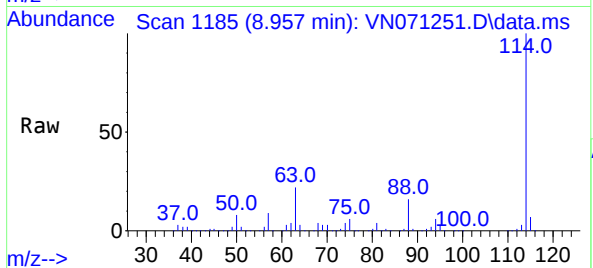
Tgt Ion:114 Resp: 1348406

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 44.418 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071251.D

Acq: 11 Mar 2022 16:58

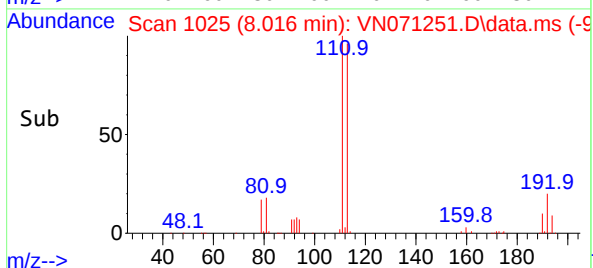
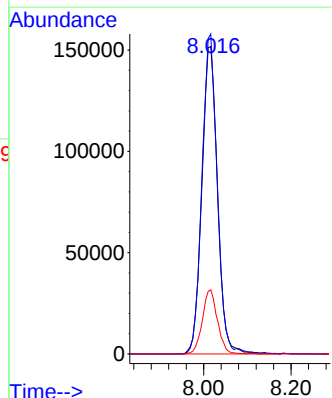
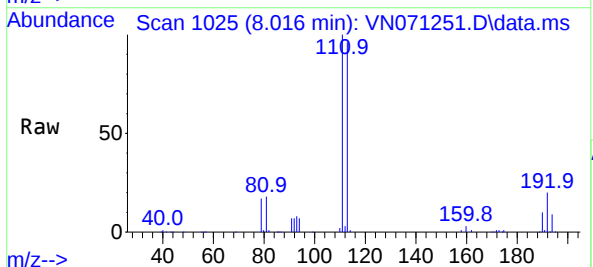
Tgt Ion:113 Resp: 377945

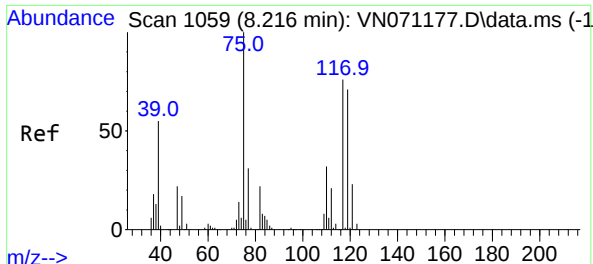
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN071251.D

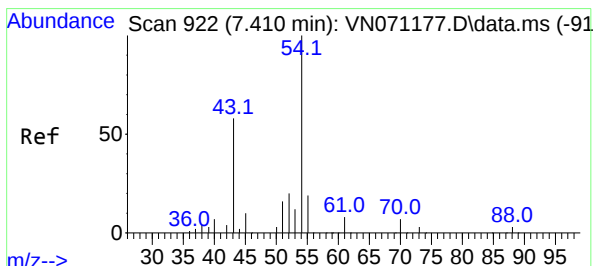
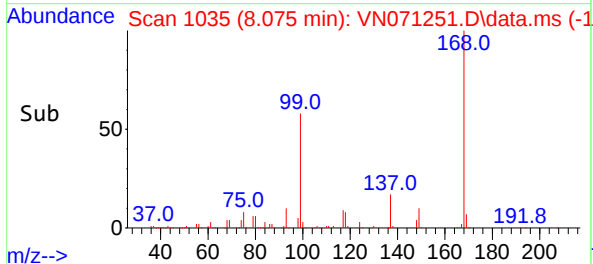
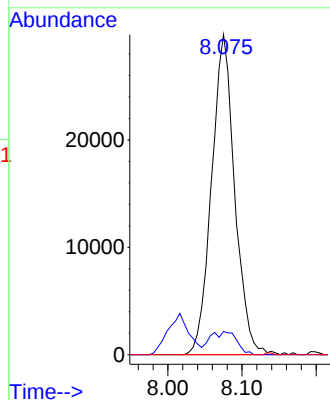
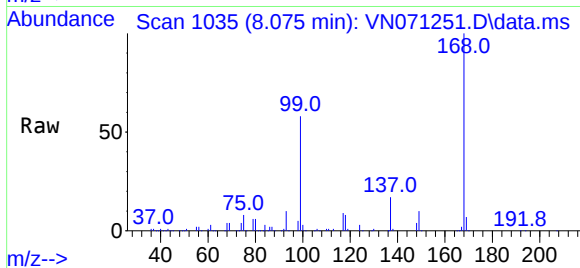
Acq: 11 Mar 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	64722
Ion	Ratio	Lower	Upper
75	100		
110	2.1	18.4	55.2#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 4.329 ug/l

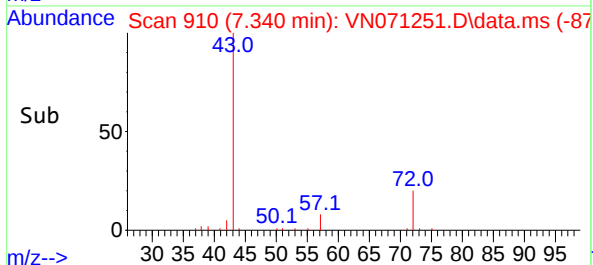
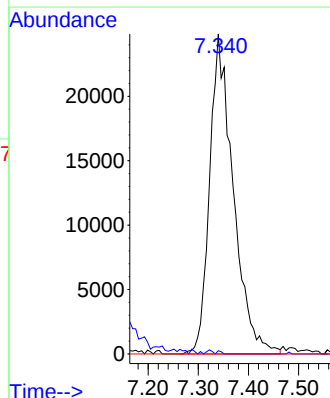
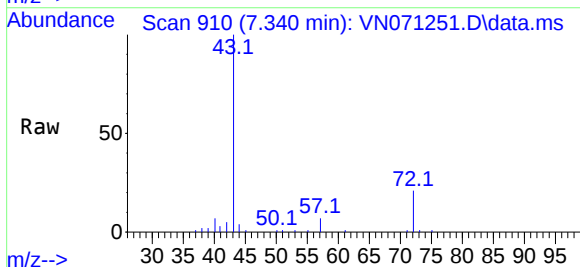
RT: 7.340 min Scan# 910

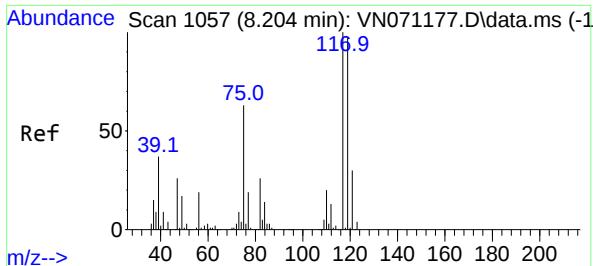
Delta R.T. -0.070 min

Lab File: VN071251.D

Acq: 11 Mar 2022 16:58

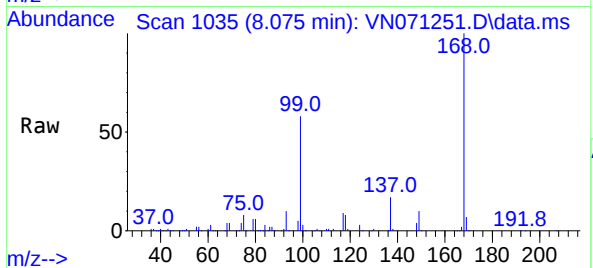
Tgt Ion:	43	Resp:	81222
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



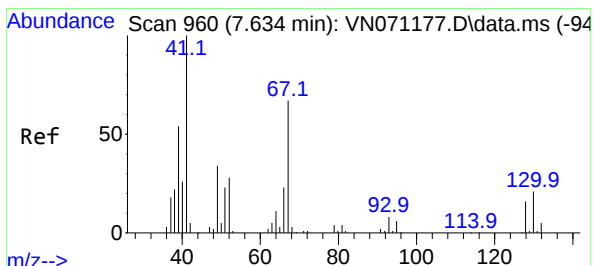
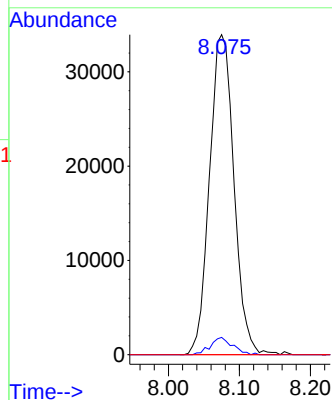
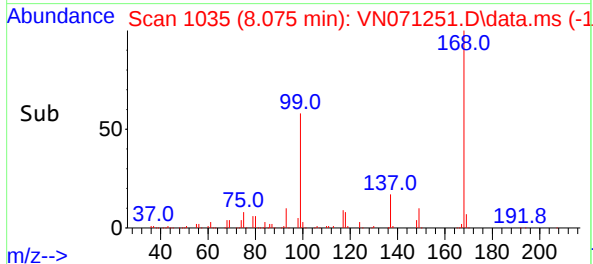


#38
Carbon Tetrachloride
Concen: 6.153 ug/l
RT: 8.075 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :

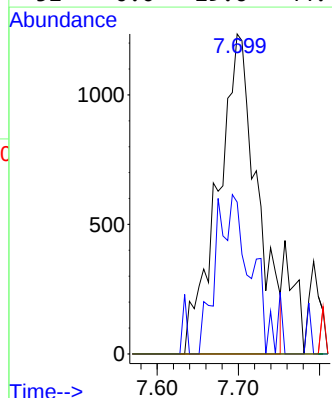
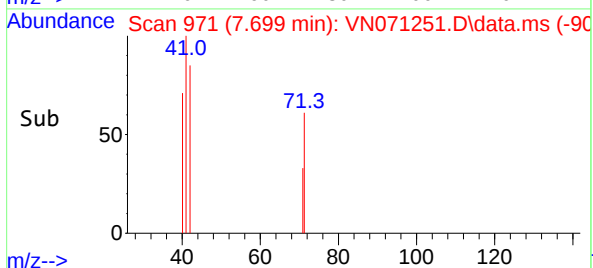
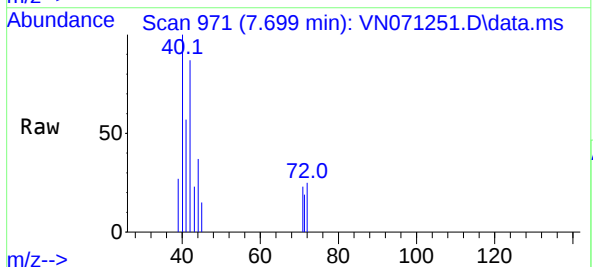


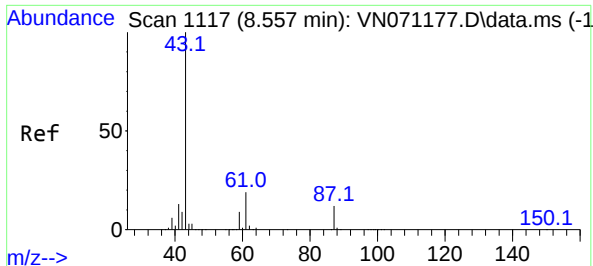
Tgt Ion:117 Resp: 81137
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.451 ug/l
RT: 7.699 min Scan# 971
Delta R.T. 0.065 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 41 Resp: 4140
Ion Ratio Lower Upper
41 100
39 43.9 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

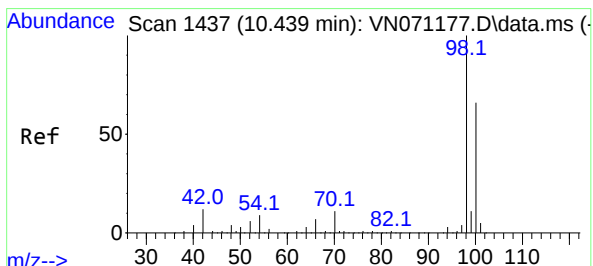
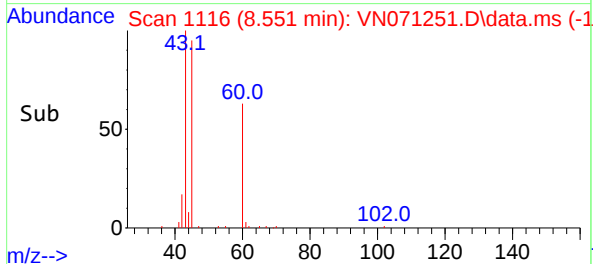
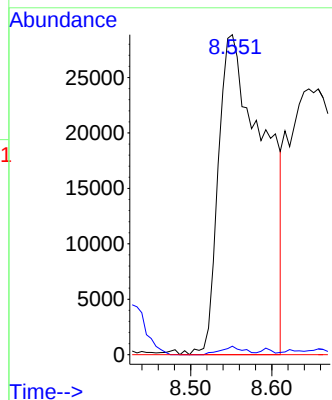
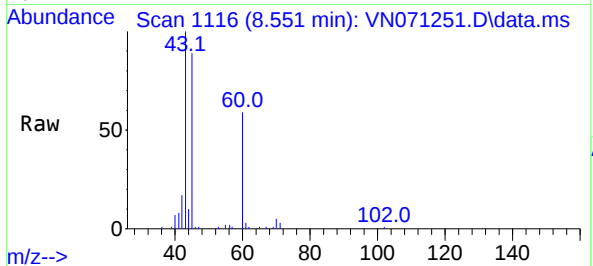




#43
Isopropyl Acetate
Concen: 4.042 ug/l
RT: 8.551 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

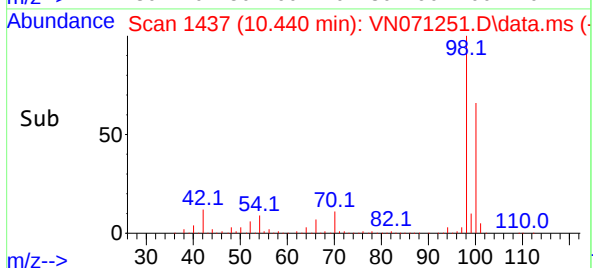
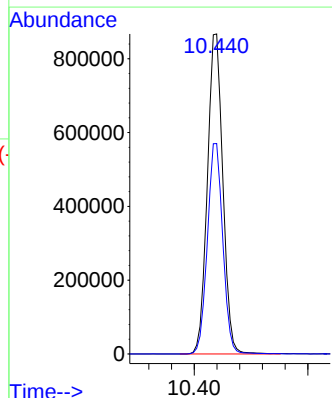
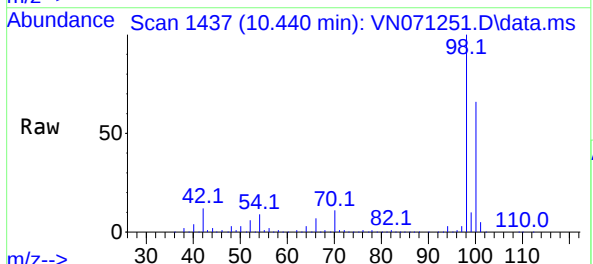
Instrument :
MSVOA_N
ClientSampleId :

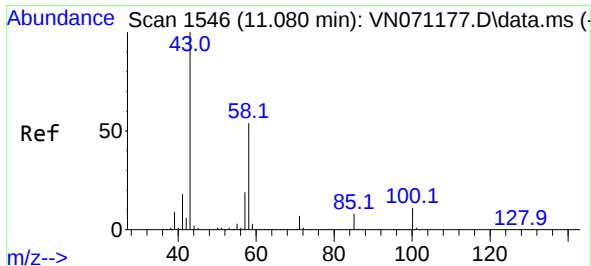
Tgt Ion: 43 Resp: 113405
Ion Ratio Lower Upper
43 100
61 1.3 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.650 ug/l
RT: 10.440 min Scan# 1437
Delta R.T. 0.001 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 98 Resp: 1632456
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

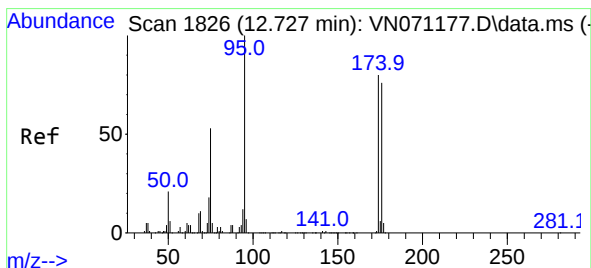
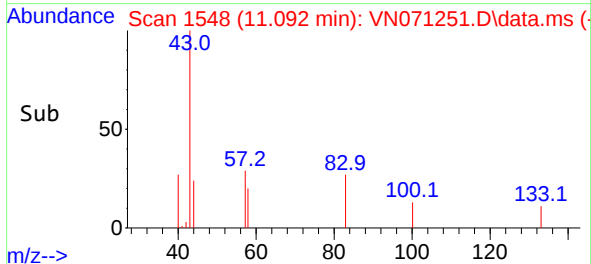
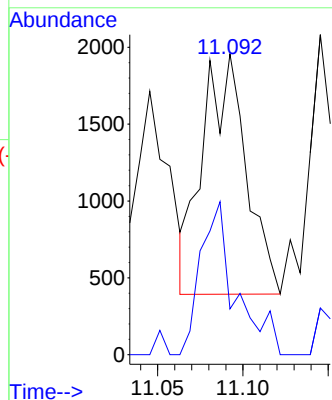
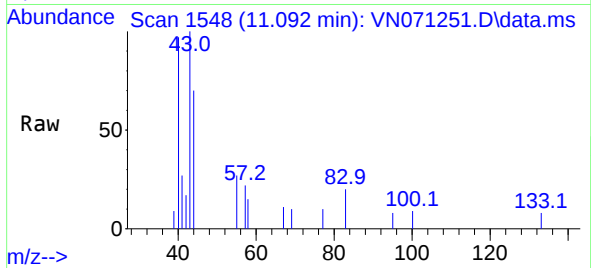




#59
2-Hexanone
Concen: 0.233 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

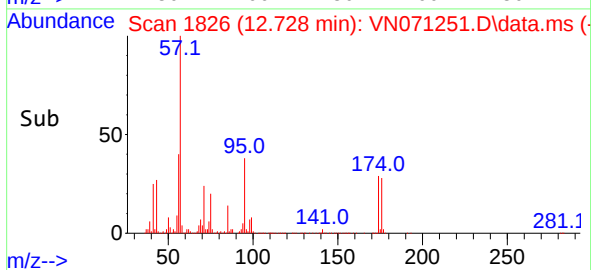
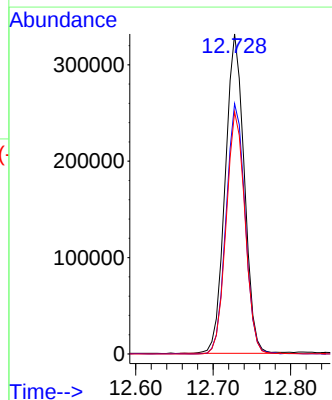
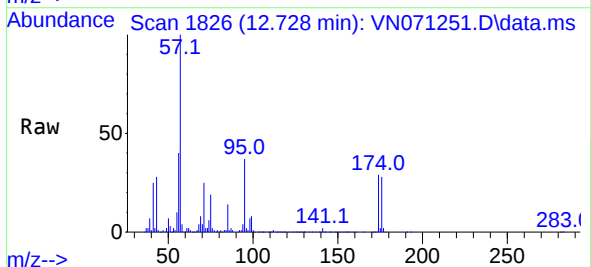
Instrument :
MSVOA_N
ClientSampleId :

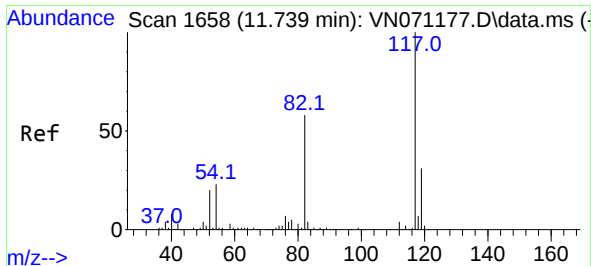
Tgt Ion: 43 Resp: 2771
Ion Ratio Lower Upper
43 100
58 51.0 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.916 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.001 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

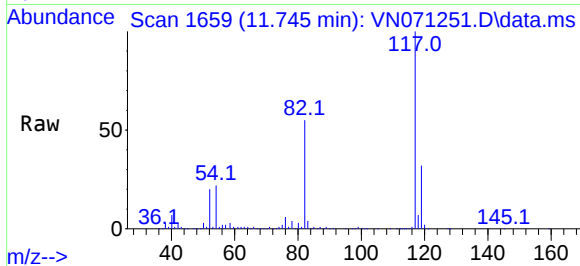
Tgt Ion: 95 Resp: 567482
Ion Ratio Lower Upper
95 100
174 77.7 0.0 187.2
176 74.7 0.0 181.4



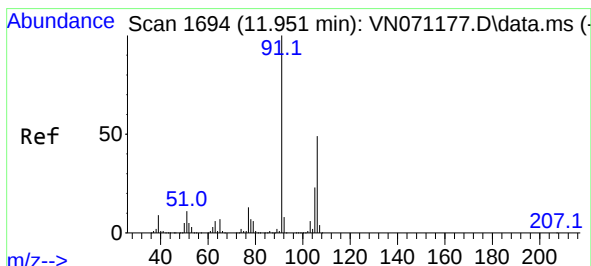
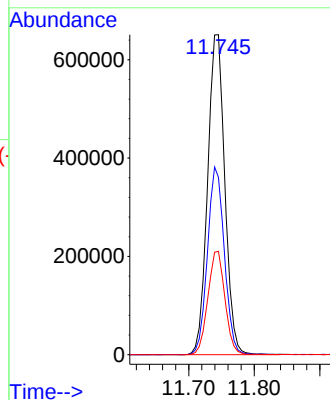
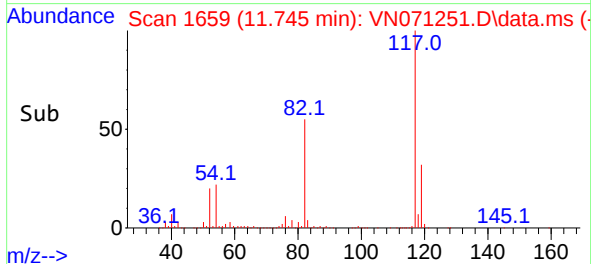


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :

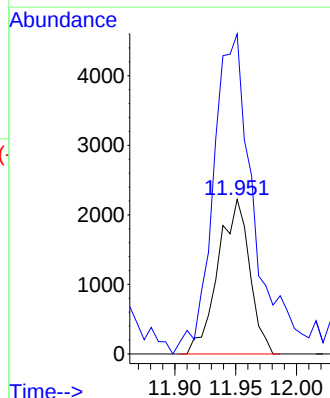
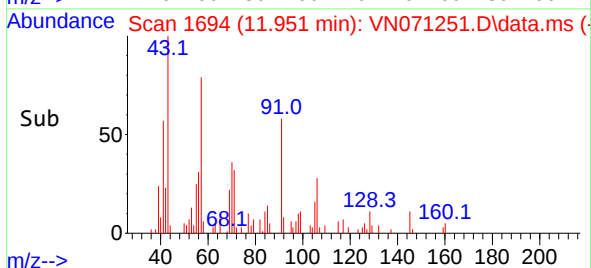
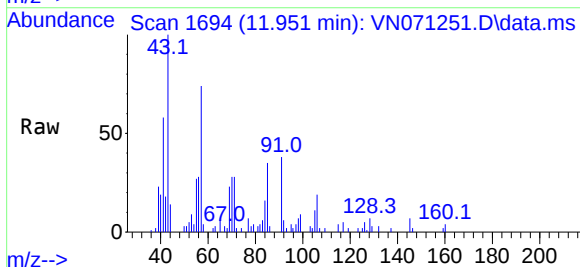


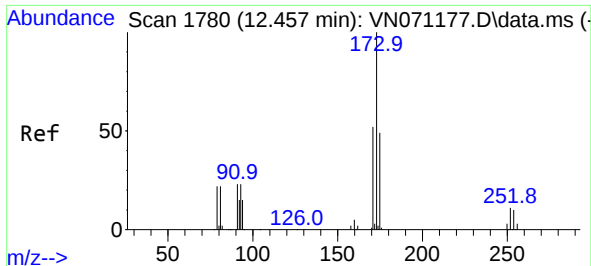
Tgt Ion:117 Resp: 1188773
Ion Ratio Lower Upper
117 100
82 55.5 42.4 63.6
119 32.3 25.4 38.2



#68
m/p-Xylenes
Concen: 0.243 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion:106 Resp: 4016
Ion Ratio Lower Upper
106 100
91 265.1 160.6 240.8#

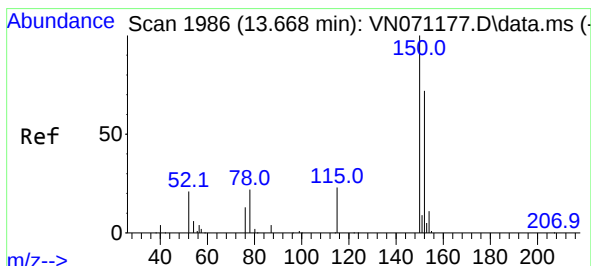
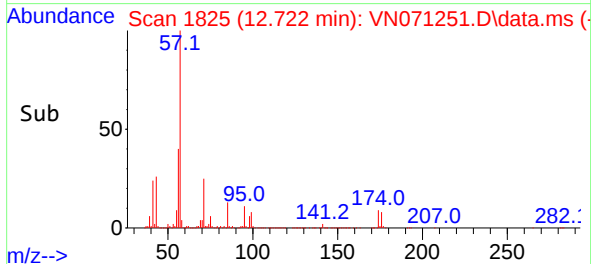
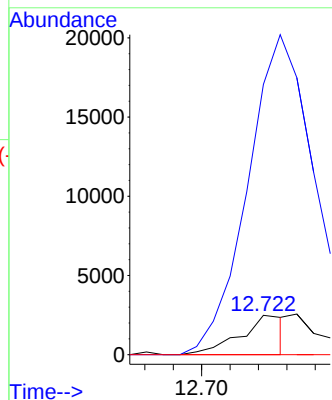
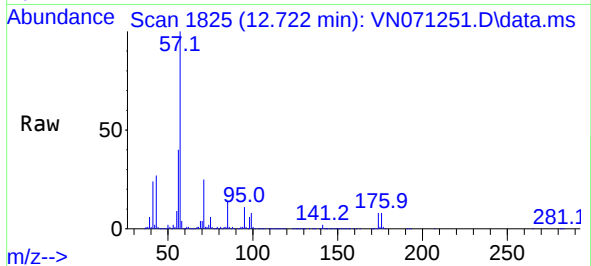




#71
Bromoform
Concen: 0.383 ug/l
RT: 12.722 min Scan# 1780
Delta R.T. 0.265 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

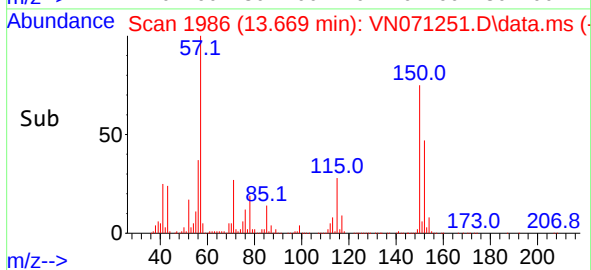
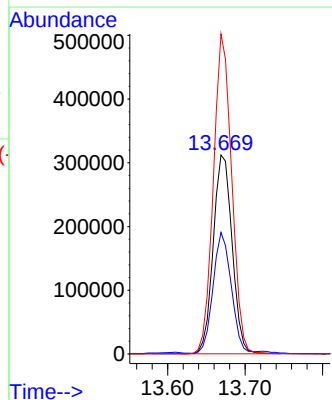
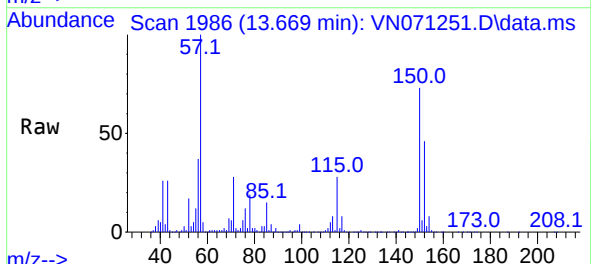
Instrument :
MSVOA_N
ClientSampleId :

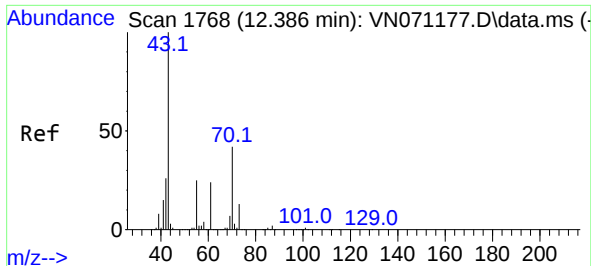
Tgt Ion:173 Resp: 2722
Ion Ratio Lower Upper
173 100
175 941.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

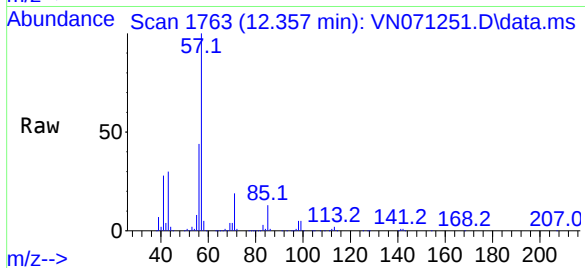
Tgt Ion:152 Resp: 530575
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 156.4 0.0 344.4



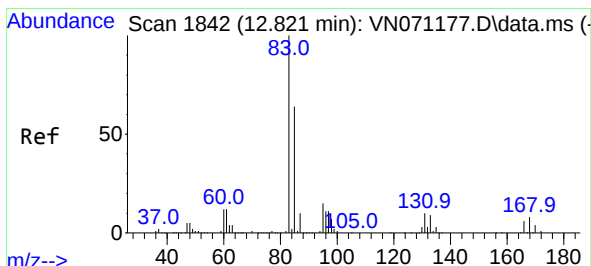
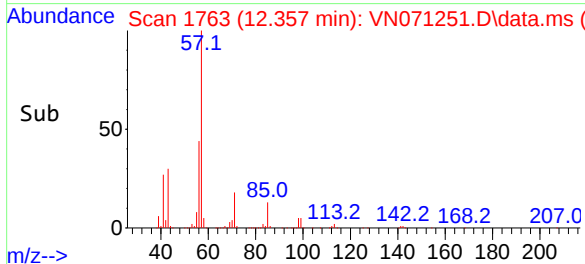
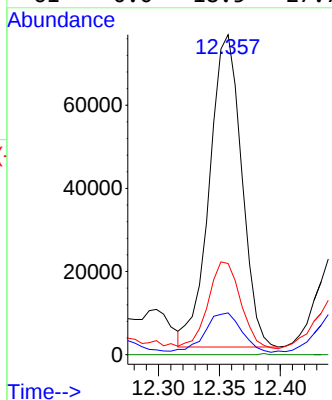


#74
N-amy1 acetate
Concen: 7.183 ug/l
RT: 12.357 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :

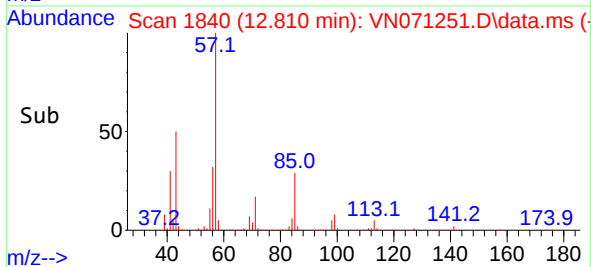
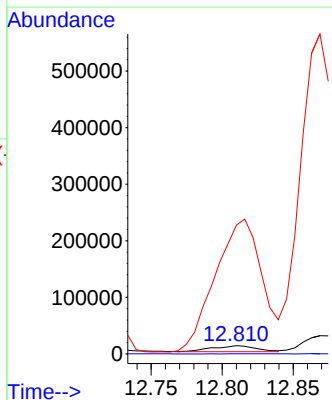
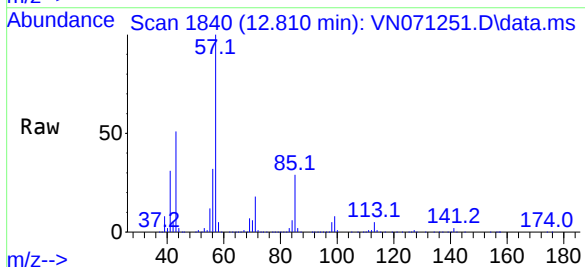


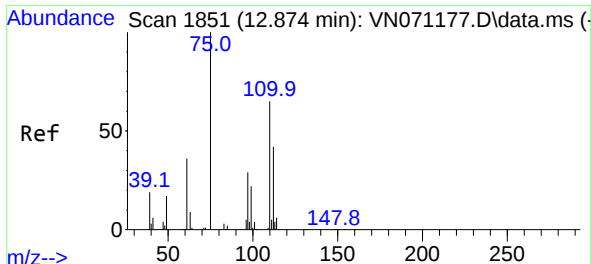
Tgt Ion: 43 Resp: 138136
Ion Ratio Lower Upper
43 100
70 14.2 33.4 50.0#
55 28.3 19.3 28.9
61 0.0 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.810 min Scan# 1840
Delta R.T. -0.011 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 83 Resp: 23317
Ion Ratio Lower Upper
83 100
131 2.3 5.5 16.5#
85 2321.9 32.4 97.2#

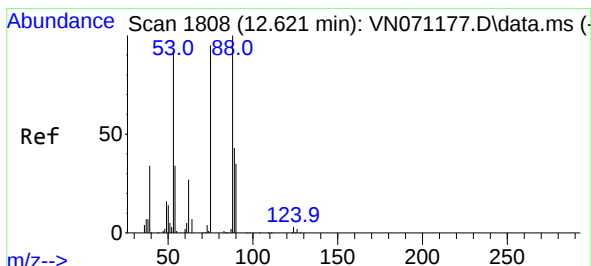
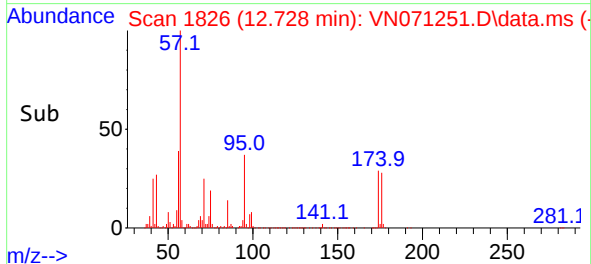
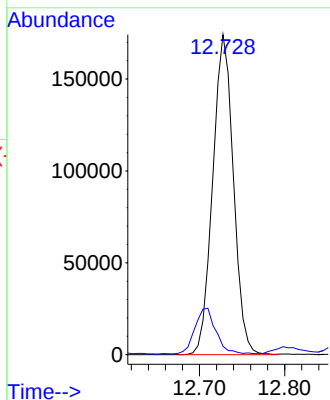
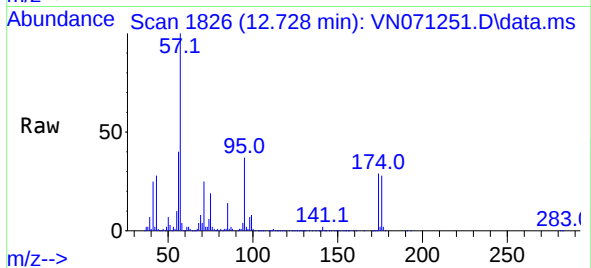




#76
1,2,3-Trichloropropane
Concen: 21.240 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. -0.146 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

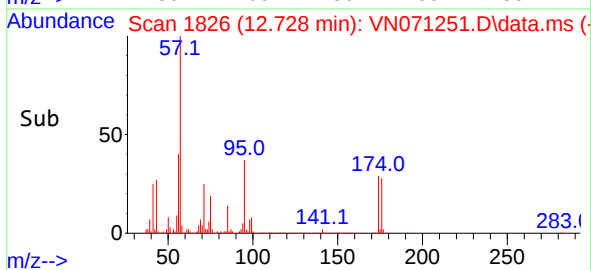
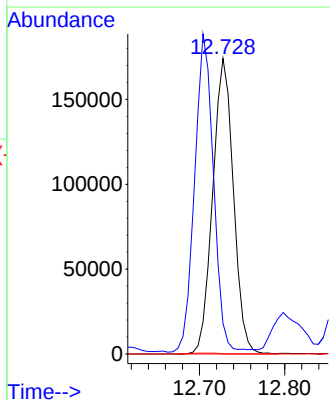
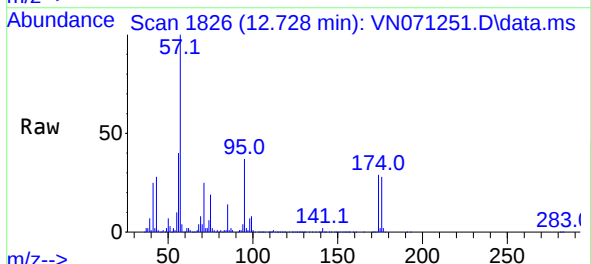
Instrument :
MSVOA_N
ClientSampleId :

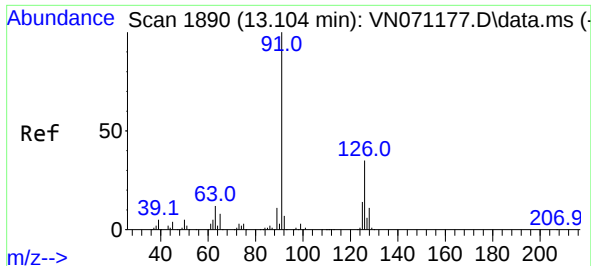
Tgt Ion: 75 Resp: 294008
Ion Ratio Lower Upper
75 100
77 14.7 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.901 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion: 75 Resp: 294008
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

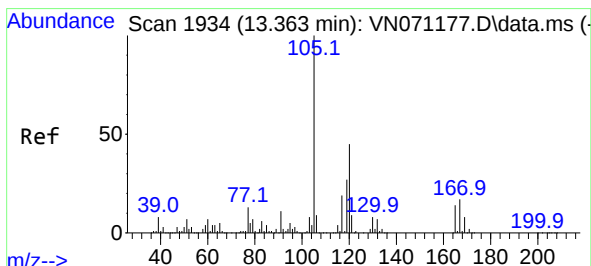
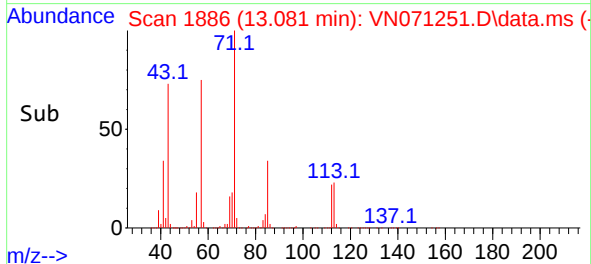
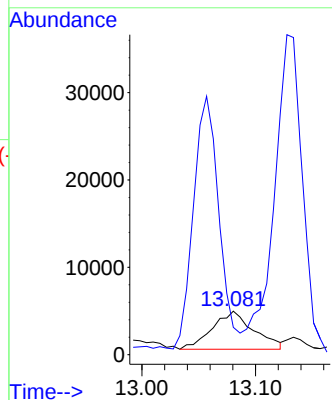
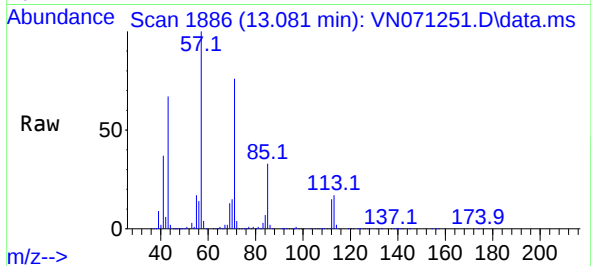




#82
4-Chlorotoluene
Concen: 0.353 ug/l
RT: 13.081 min Scan# 11079
Delta R.T. -0.023 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

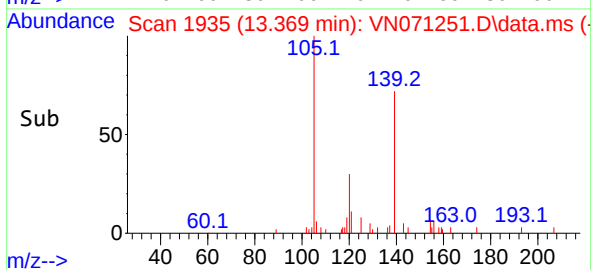
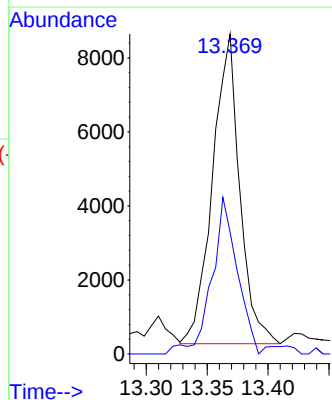
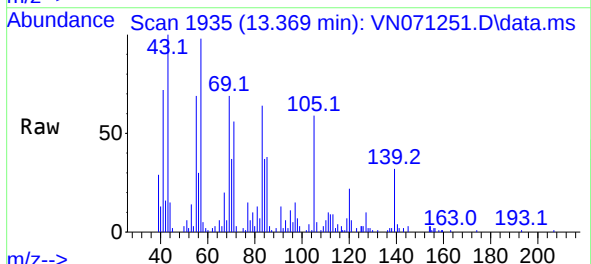
Instrument :
MSVOA_N
ClientSampleId :

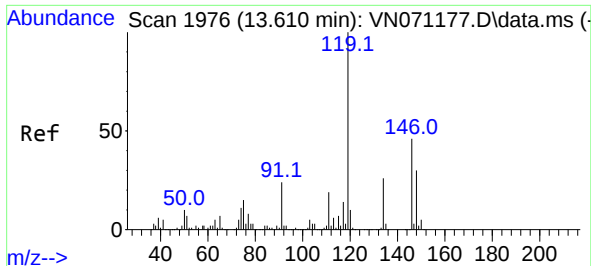
Tgt Ion: 91 Resp: 11079
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.342 ug/l
RT: 13.369 min Scan# 1935
Delta R.T. 0.006 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

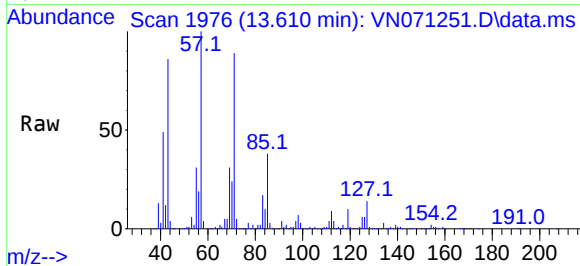
Tgt Ion: 105 Resp: 13019
Ion Ratio Lower Upper
105 100
120 48.0 22.8 68.4



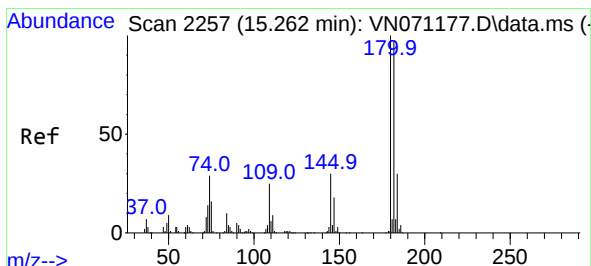
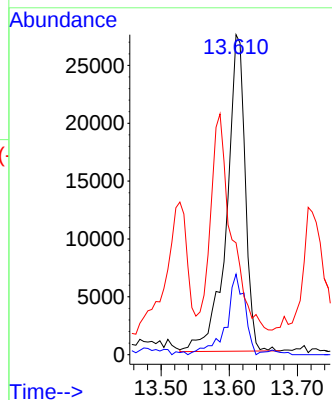
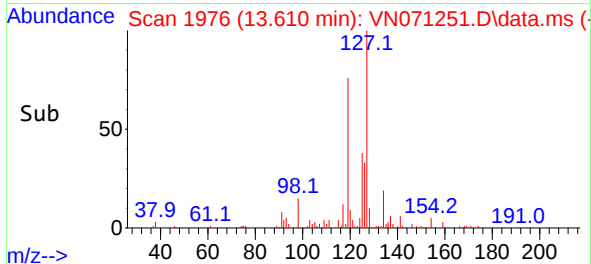


#86
p-Isopropyltoluene
Concen: 1.397 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :

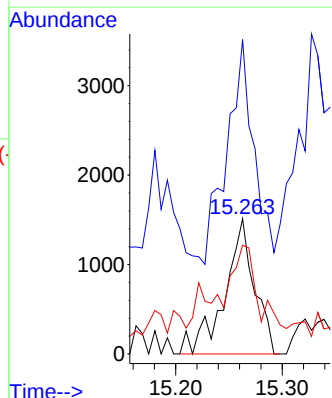
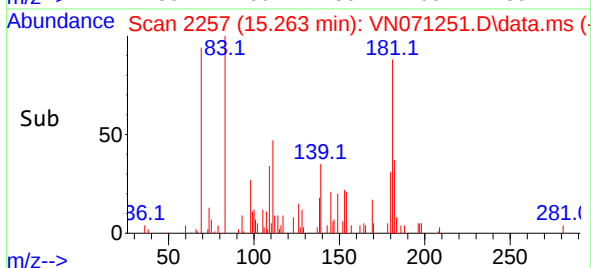
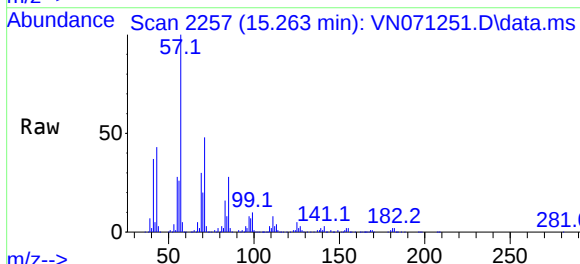


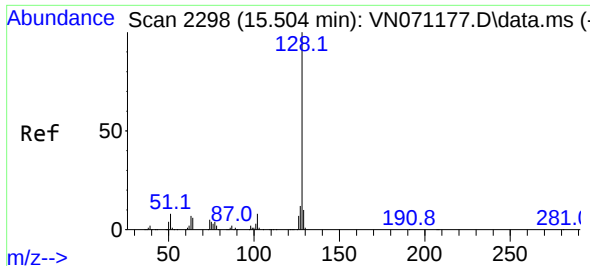
Tgt Ion:119 Resp: 51860
Ion Ratio Lower Upper
119 100
134 25.4 13.6 40.7
91 0.0 11.4 34.1#



#93
1,2,4-Trichlorobenzene
Concen: 3.307 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.001 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion:180 Resp: 2937
Ion Ratio Lower Upper
180 100
182 148.3 48.3 144.9#
145 83.9 14.5 43.5#

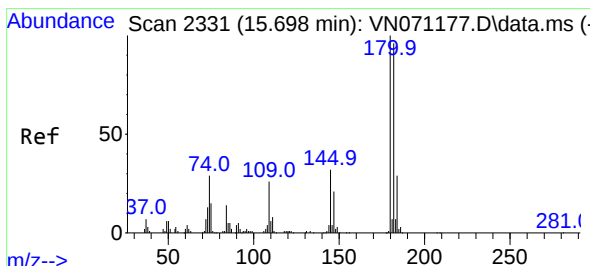
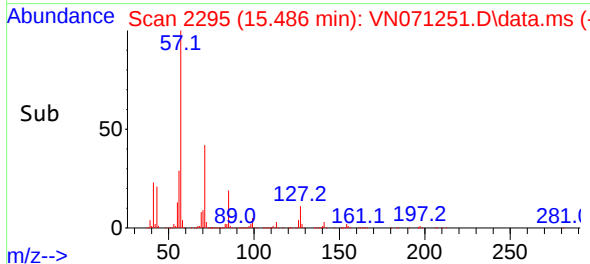
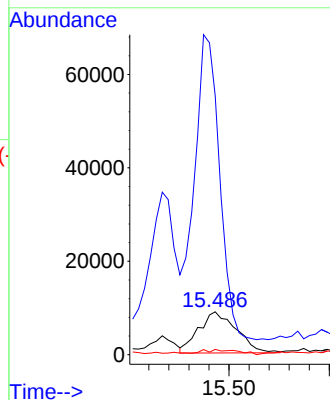
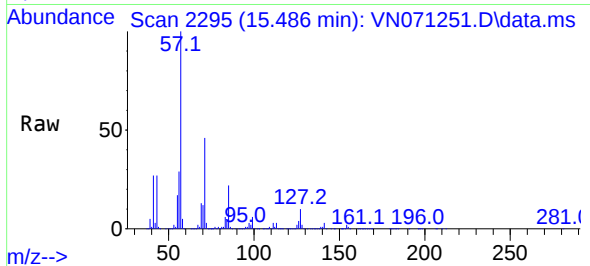




#95
Naphthalene
Concen: 5.923 ug/l
RT: 15.486 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 23142
Ion Ratio Lower Upper
128 100
127 490.7 10.5 15.7#
129 1.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.841 ug/l
RT: 15.780 min Scan# 2345
Delta R.T. 0.082 min
Lab File: VN071251.D
Acq: 11 Mar 2022 16:58

Tgt Ion:180 Resp: 962
Ion Ratio Lower Upper
180 100
182 56.3 47.4 142.2
145 17.3 15.0 45.1

