

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071416.D
 Acq On : 21 Mar 2022 13:00
 Operator : JC\MD
 Sample : VN0321MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBL01

Quant Time: Mar 21 16:24:59 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)

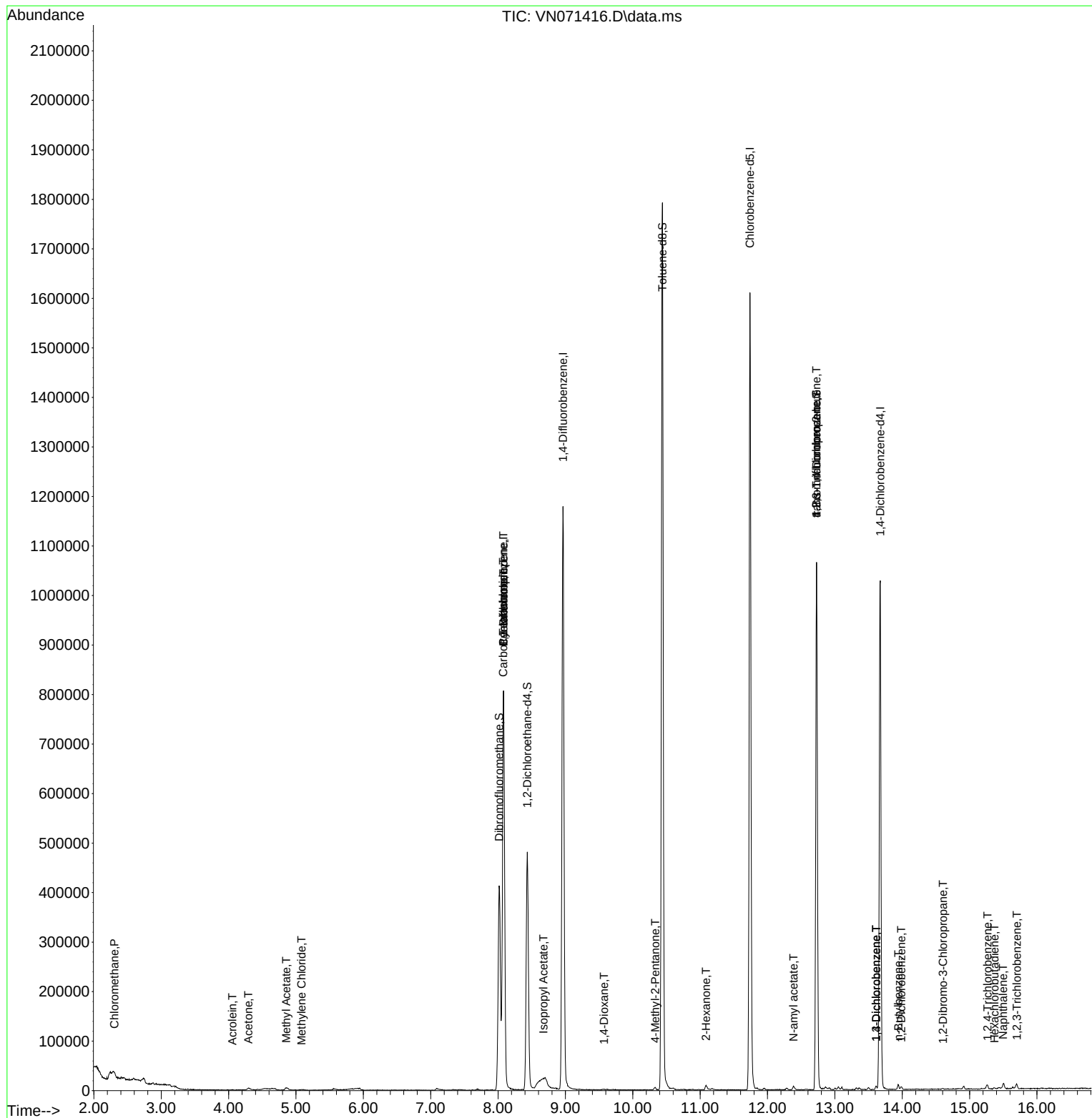
Internal Standards						
1) Pentafluorobenzene	8.080	168	615732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1034993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	935106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	286074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	402294	47.672	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.340%		
35) Dibromofluoromethane	8.016	113	309352	47.365	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.740%		
50) Toluene-d8	10.439	98	1260084	47.918	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.840%		
62) 4-Bromofluorobenzene	12.727	95	378026	42.453	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.900%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	2165	0.205	ug/l #	87
5) Bromomethane	2.828	94	72	Below Cal	#	3
13) Acrolein	4.057	56	842	0.480	ug/l #	46
16) Acetone	4.292	43	6136	1.494	ug/l #	51
18) Methyl Acetate	4.857	43	10607	1.423	ug/l #	90
20) Methylene Chloride	5.081	84	773	0.484	ug/l #	52
31) Cyclohexane	8.080	56	13755	1.021	ug/l #	23
36) 1,1-Dichloropropene	8.080	75	49413	4.722	ug/l #	49
38) Carbon Tetrachloride	8.075	117	59799	5.908	ug/l #	16
43) Isopropyl Acetate	8.675	43	47241	2.194	ug/l #	55
49) 1,4-Dioxane	9.575	88	97	0.559	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4687	0.351	ug/l #	85
59) 2-Hexanone	11.086	43	9242	1.013	ug/l	89
74) N-amyl acetate	12.386	43	4747	0.458	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	1187	Below Cal	#	65
76) 1,2,3-Trichloropropane	12.727	75	195158	26.840	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	195158	73.745	ug/l #	5
87) 1,3-Dichlorobenzene	13.615	146	2349	0.225	ug/l	96
88) 1,4-Dichlorobenzene	13.615	146	2349	0.230	ug/l	96
89) n-Butylbenzene	13.945	91	5964	0.381	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	3152	0.314	ug/l	82
92) 1,2-Dibromo-3-Chloropr...	14.604	75	542	0.338	ug/l	69
93) 1,2,4-Trichlorobenzene	15.268	180	3593	3.710	ug/l	99
94) Hexachlorobutadiene	15.368	225	887	0.315	ug/l #	50
95) Naphthalene	15.498	128	11884	5.882	ug/l	99
96) 1,2,3-Trichlorobenzene	15.704	180	4205	3.617	ug/l	96

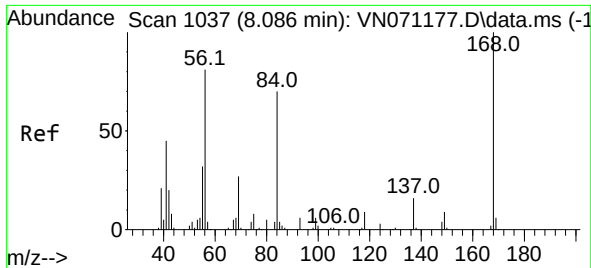
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
Data File : VN071416.D
Acq On : 21 Mar 2022 13:00
Operator : JC\MD
Sample : VN0321MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

Quant Time: Mar 21 16:24:59 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

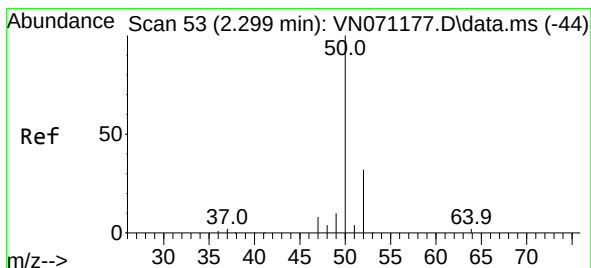
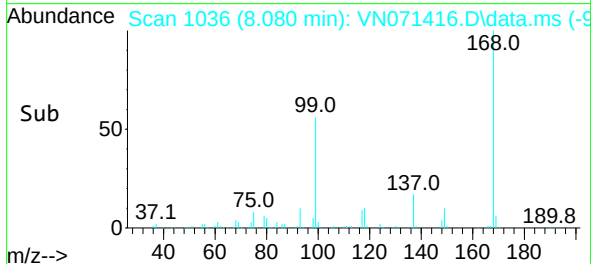
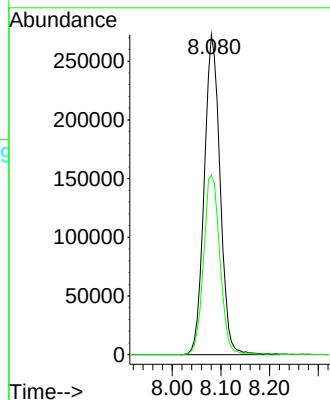
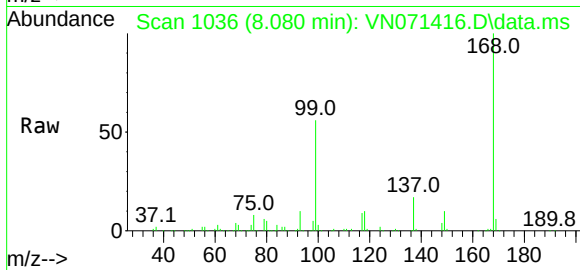




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

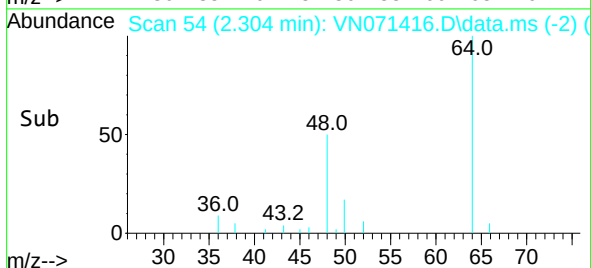
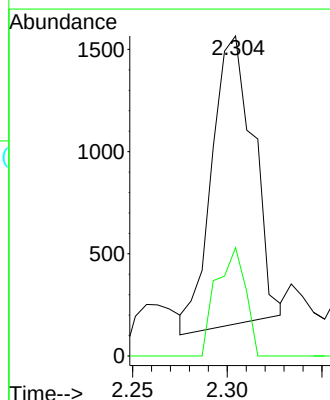
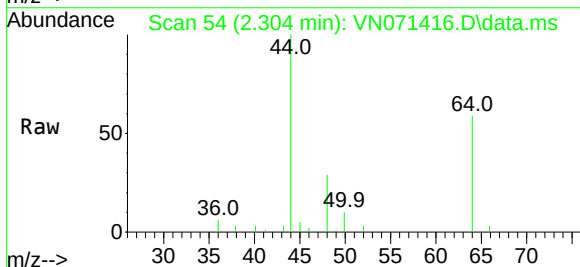
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

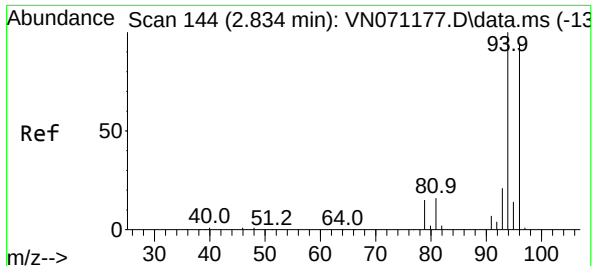
Tgt Ion:168 Resp: 615732
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 50 Resp: 2165
Ion Ratio Lower Upper
50 100
52 38.8 25.4 38.0#

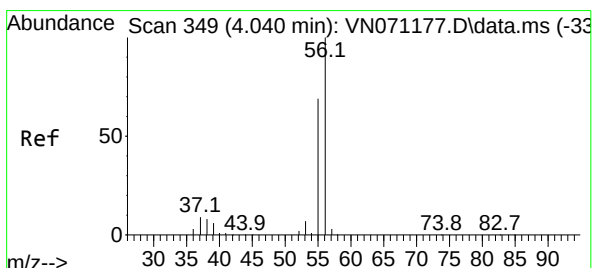
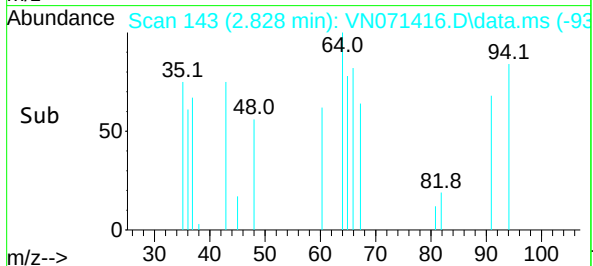
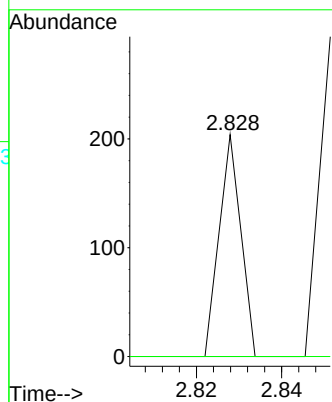
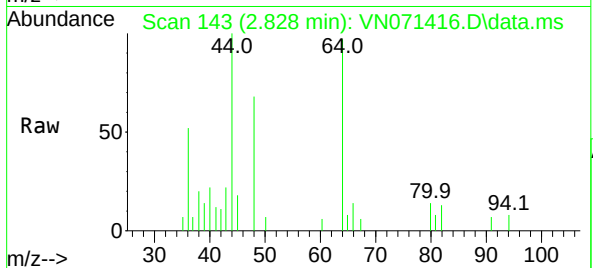




#5
Bromomethane
Concen: Below Cal
RT: 2.828 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

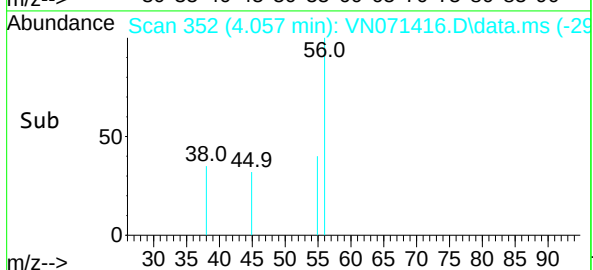
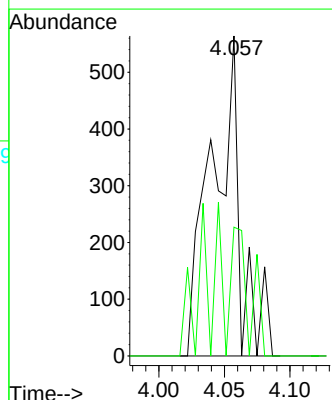
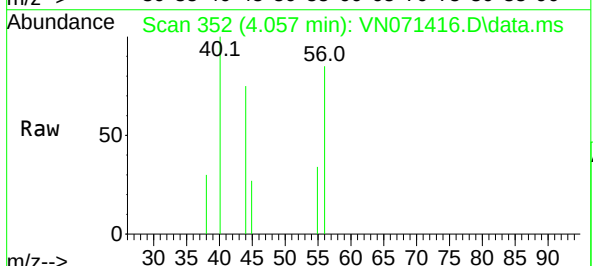
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

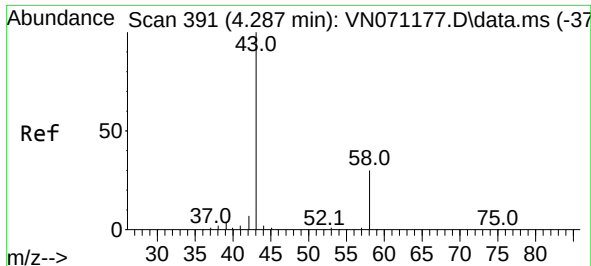
Tgt Ion: 94 Resp: 72
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#13
Acrolein
Concen: 0.480 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.018 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 56 Resp: 842
Ion Ratio Lower Upper
56 100
55 26.2 56.6 85.0#

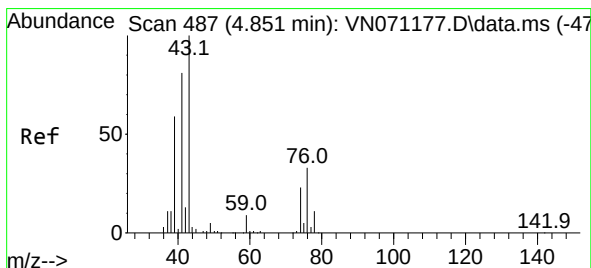
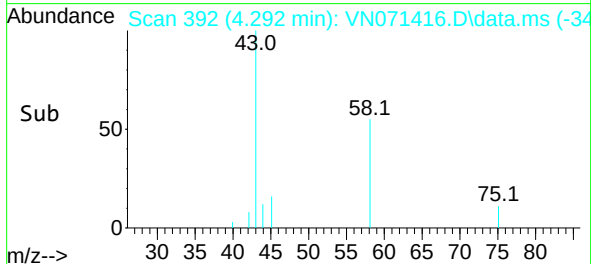
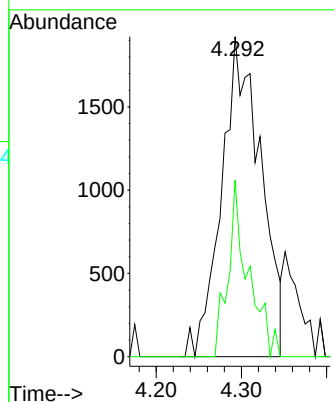
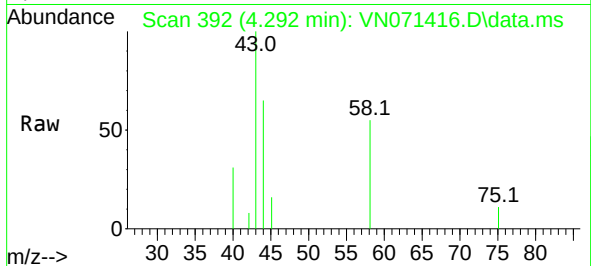




#16
Acetone
Concen: 1.494 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

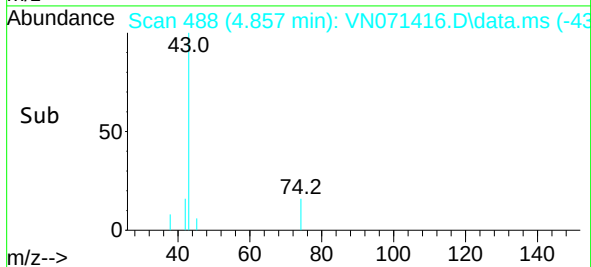
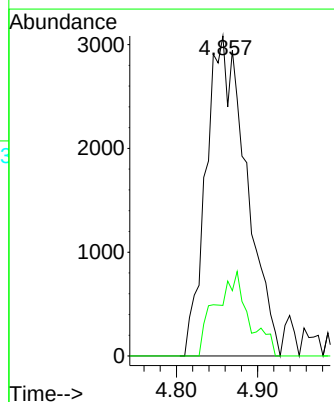
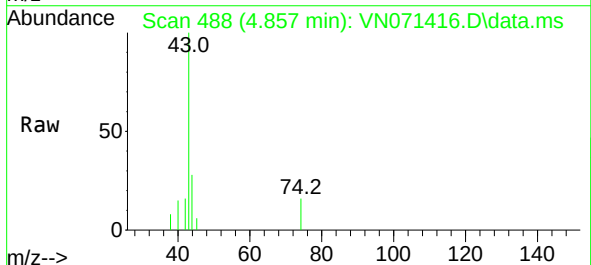
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

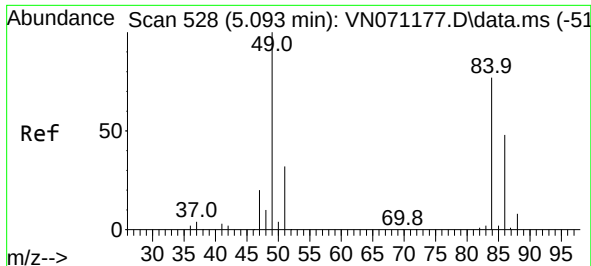
Tgt Ion: 43 Resp: 6136
Ion Ratio Lower Upper
43 100
58 55.2 23.1 34.7#



#18
Methyl Acetate
Concen: 1.423 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 43 Resp: 10607
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2#



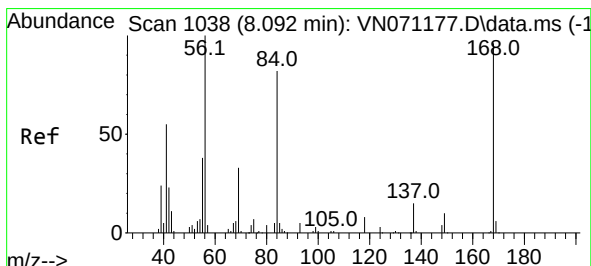
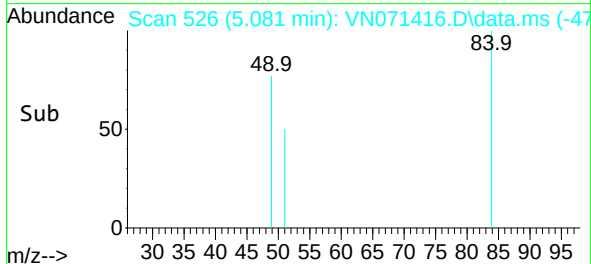
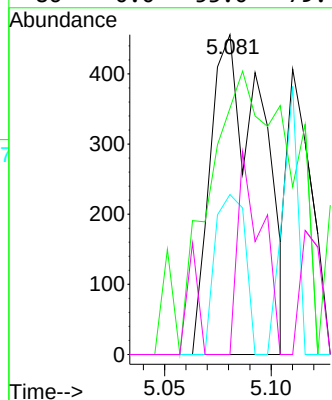
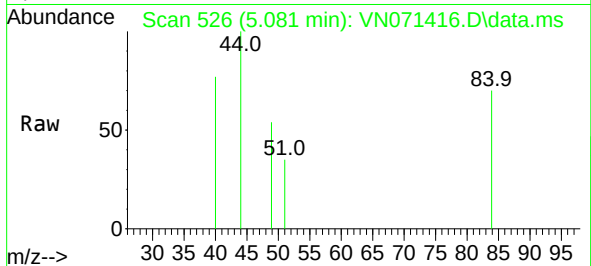


#20
Methylene Chloride
Concen: 0.484 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

Tgt Ion: 84 Resp: 773

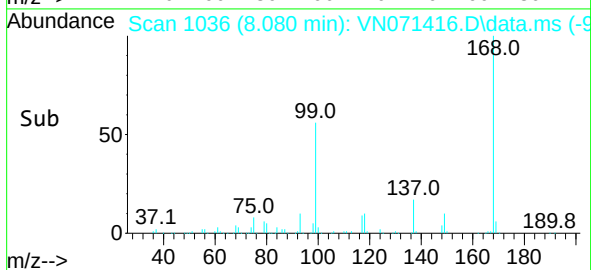
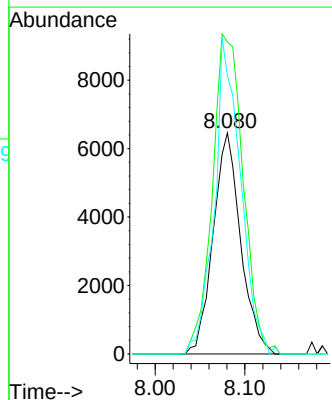
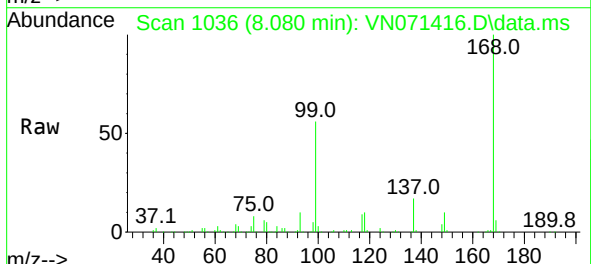
Ion	Ratio	Lower	Upper
84	100		
49	77.0	93.5	140.3#
51	50.0	29.4	44.2#
86	0.0	53.0	79.4#

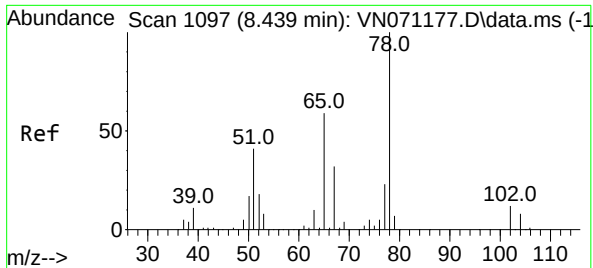


#31
Cyclohexane
Concen: 1.021 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 56 Resp: 13755

Ion	Ratio	Lower	Upper
56	100		
69	141.1	27.1	40.7#
84	125.8	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.672 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

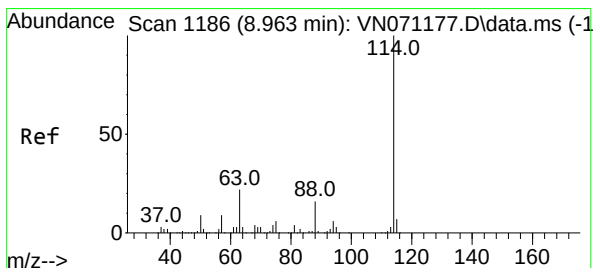
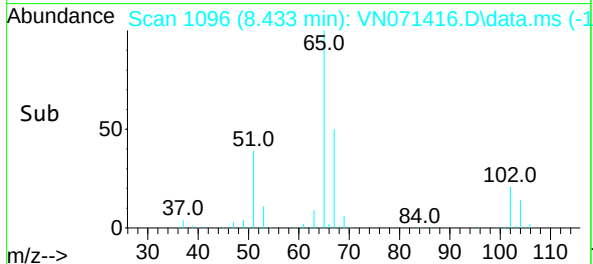
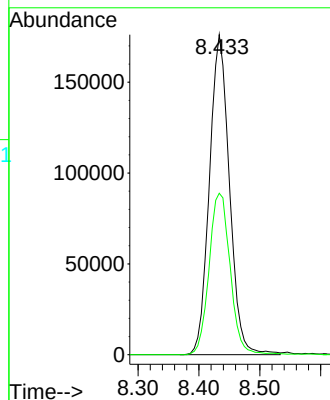
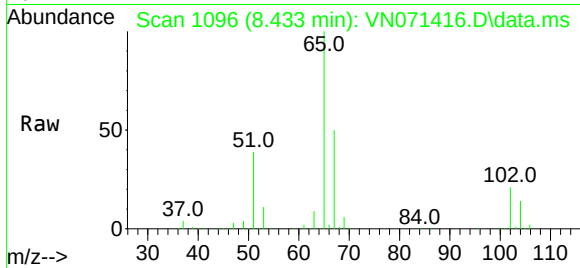
VN0321MBL01

Tgt Ion: 65 Resp: 402294

Ion Ratio Lower Upper

65 100

67 53.2 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: VN071416.D

Acq: 21 Mar 2022 13:00

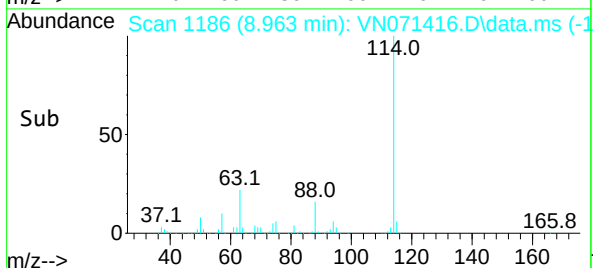
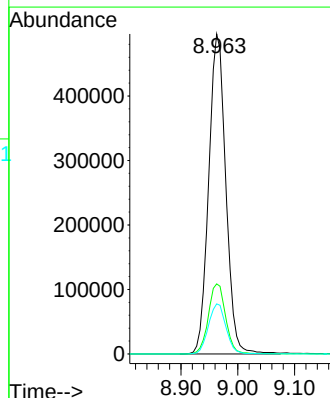
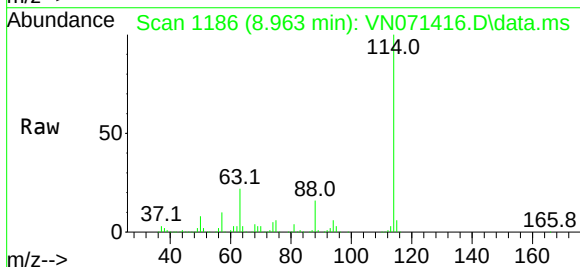
Tgt Ion: 114 Resp: 1034993

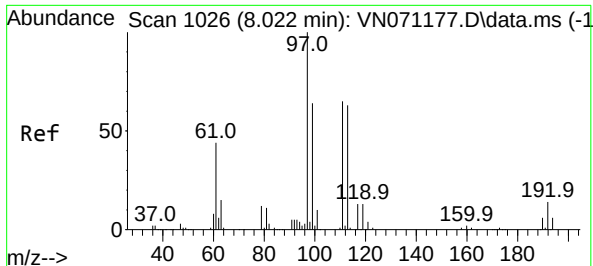
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 15.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.365 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

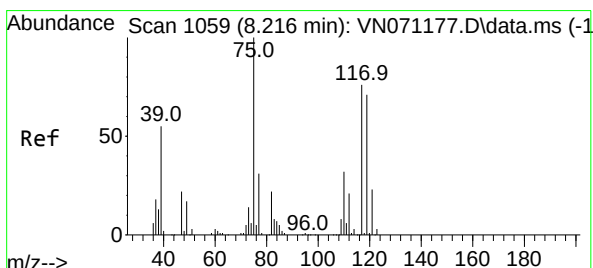
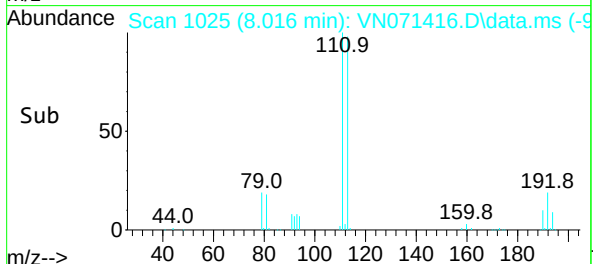
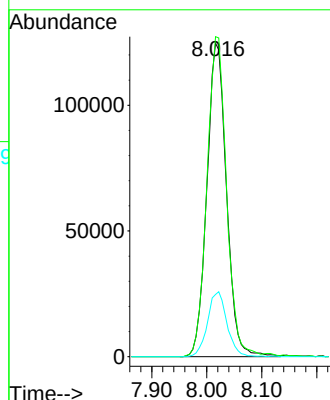
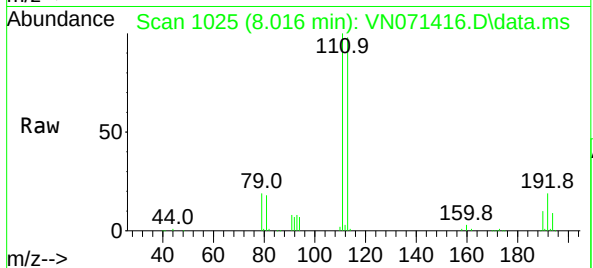
Tgt Ion:113 Resp: 309352

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

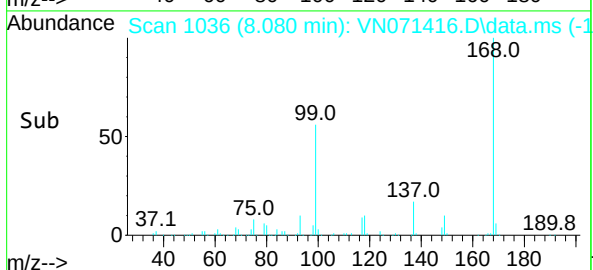
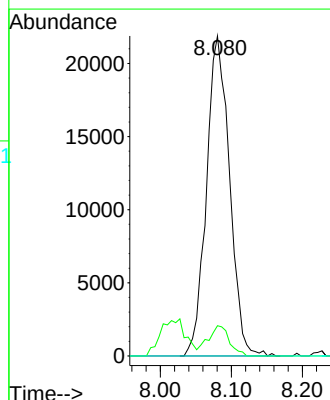
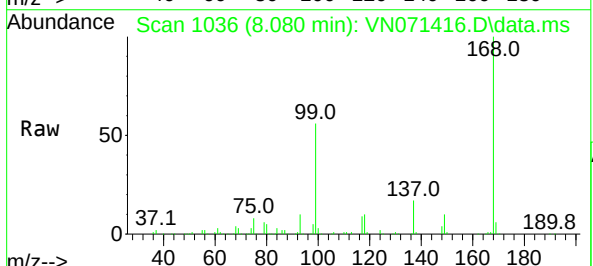
Tgt Ion: 75 Resp: 49413

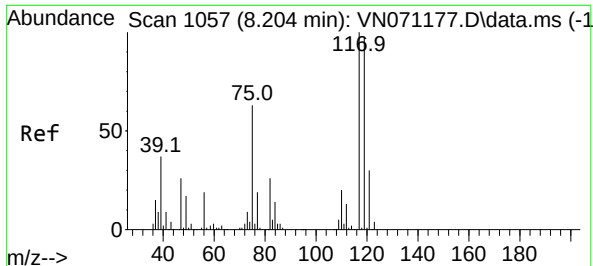
Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

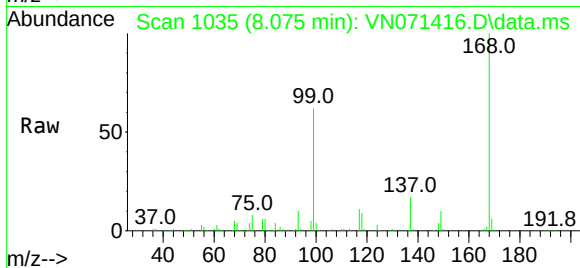
77 0.0 24.4 36.6#



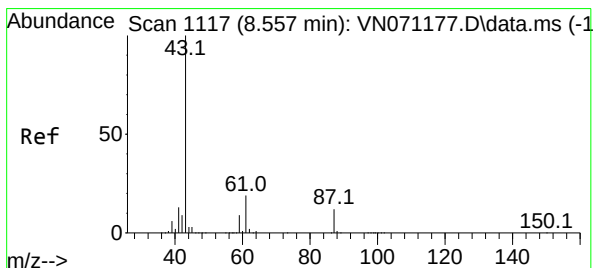
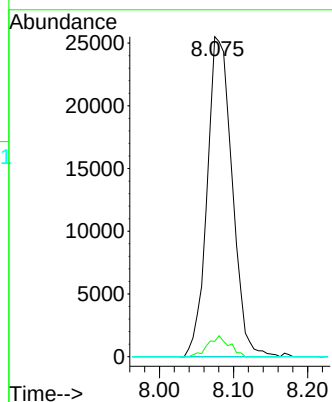
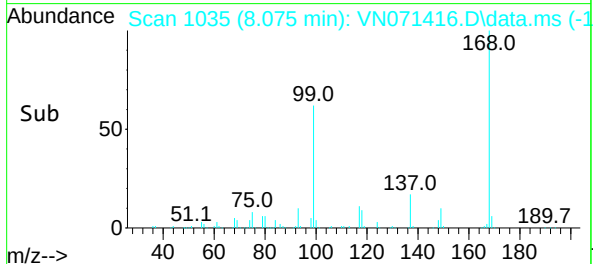


#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 8.075 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

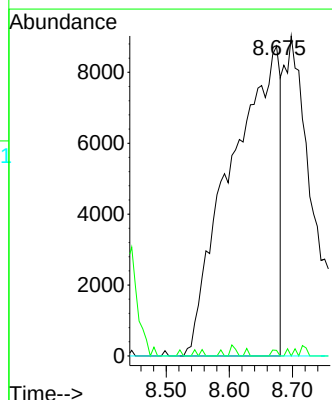
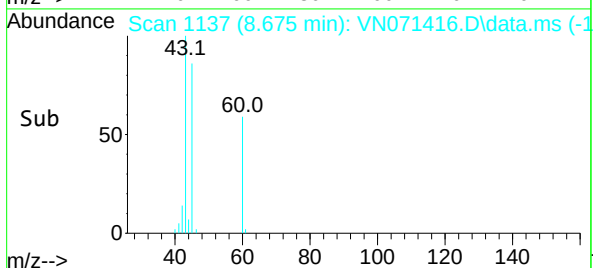
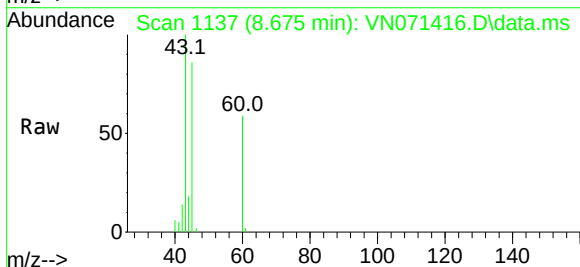


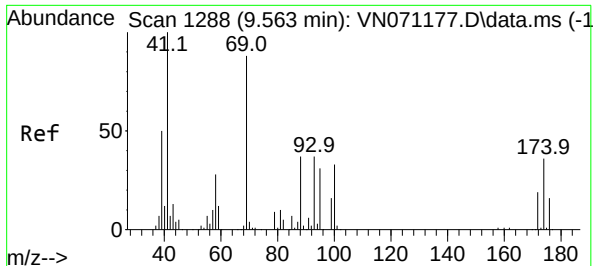
Tgt Ion:117 Resp: 59799
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.194 ug/l
RT: 8.675 min Scan# 1137
Delta R.T. 0.118 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 43 Resp: 47241
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: 0.559 ug/l

RT: 9.575 min Scan# 11

Delta R.T. 0.011 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

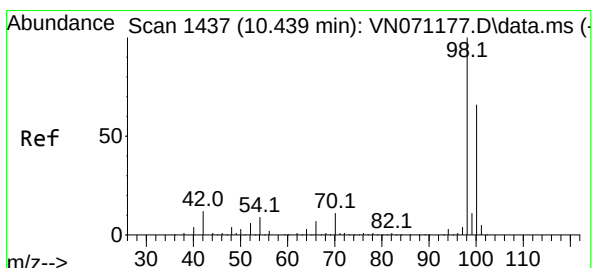
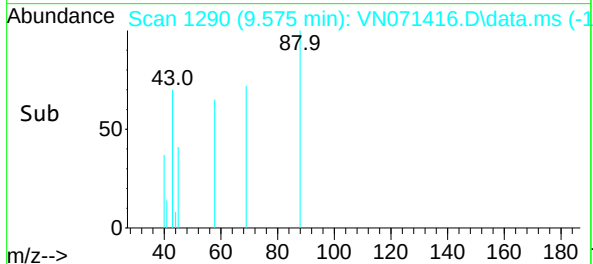
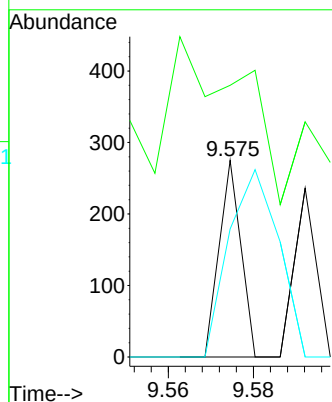
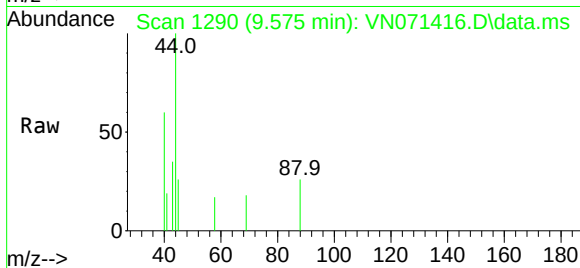
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 562.9 23.4 35.2#

58 219.6 50.6 75.8#



#50

Toluene-d8

Concen: 47.918 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071416.D

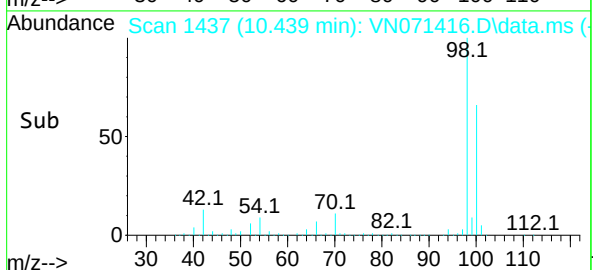
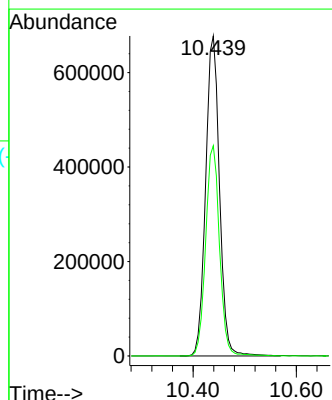
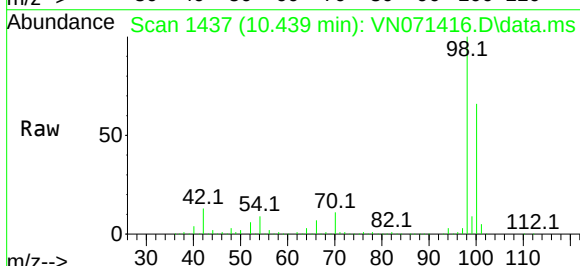
Acq: 21 Mar 2022 13:00

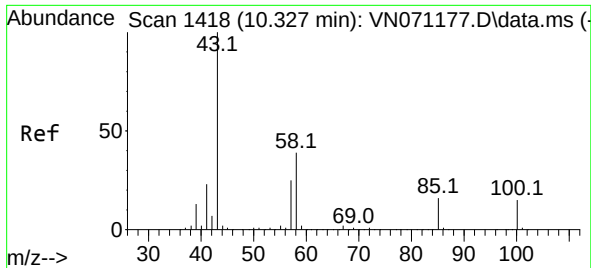
Tgt Ion: 98 Resp: 1260084

Ion Ratio Lower Upper

98 100

100 65.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.351 ug/l

RT: 10.333 min Scan# 1419

Delta R.T. 0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

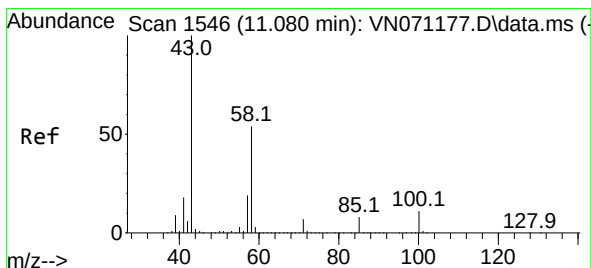
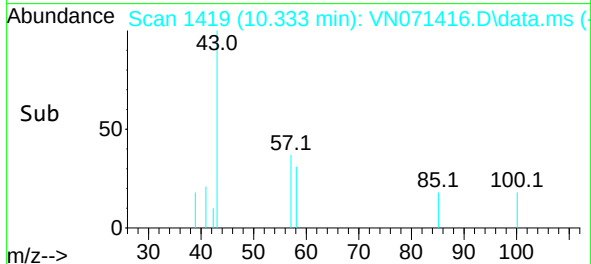
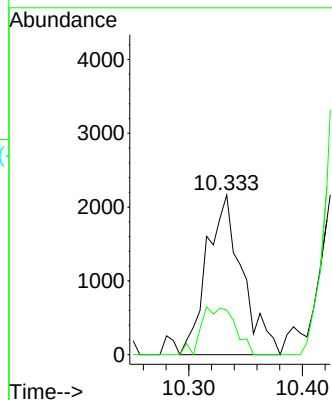
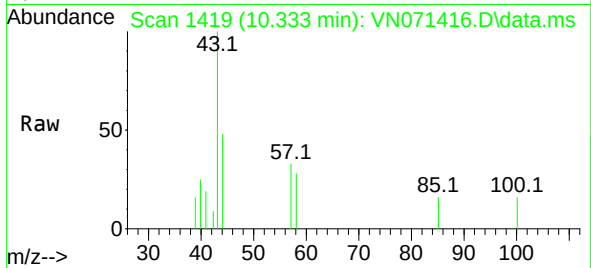
VN0321MBL01

Tgt Ion: 43 Resp: 4687

Ion Ratio Lower Upper

43 100

58 28.8 30.4 45.6#



#59

2-Hexanone

Concen: 1.013 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071416.D

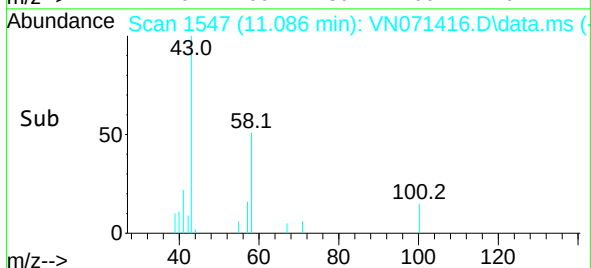
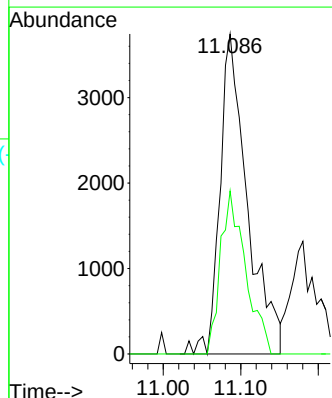
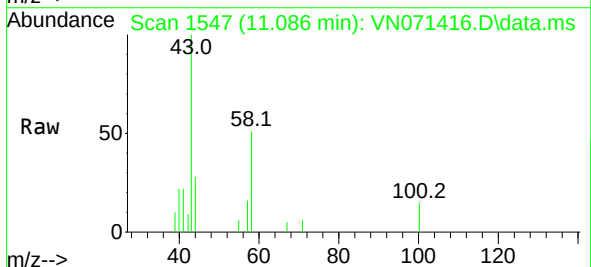
Acq: 21 Mar 2022 13:00

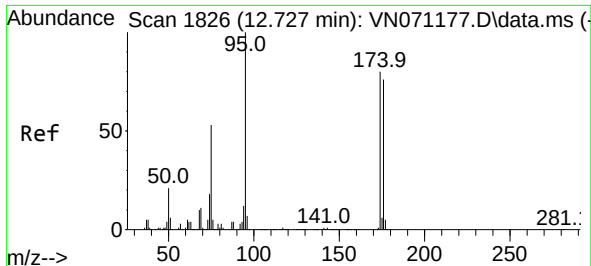
Tgt Ion: 43 Resp: 9242

Ion Ratio Lower Upper

43 100

58 46.3 26.9 80.7

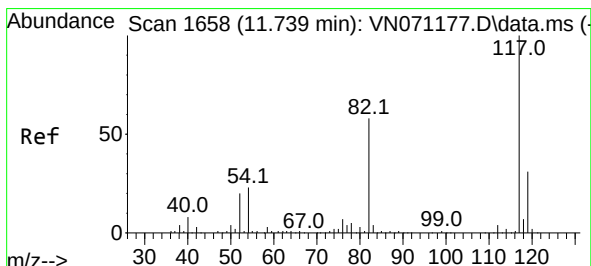
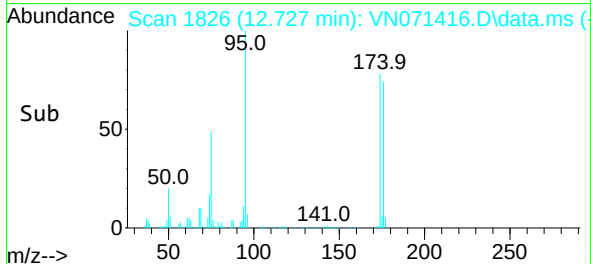
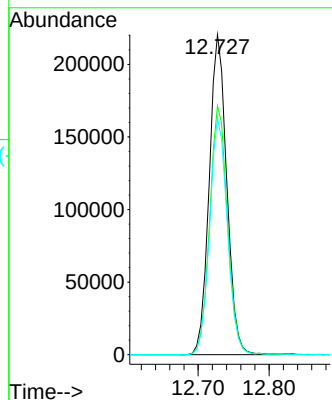
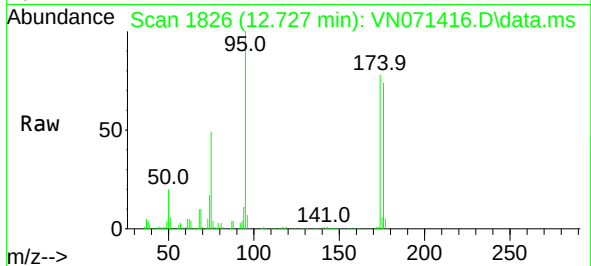




#62
4-Bromofluorobenzene
Concen: 42.453 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

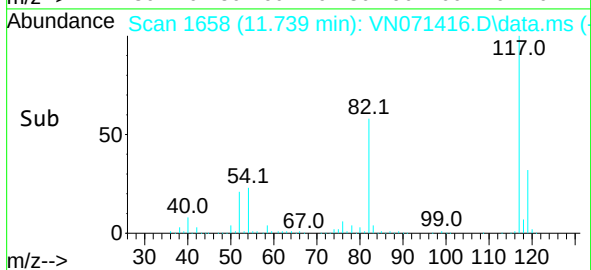
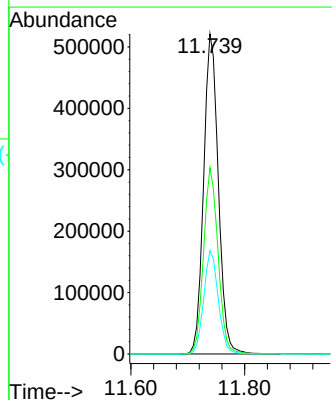
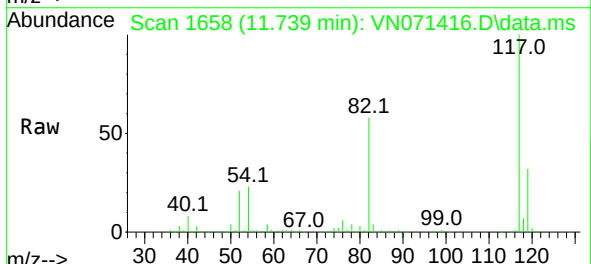
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

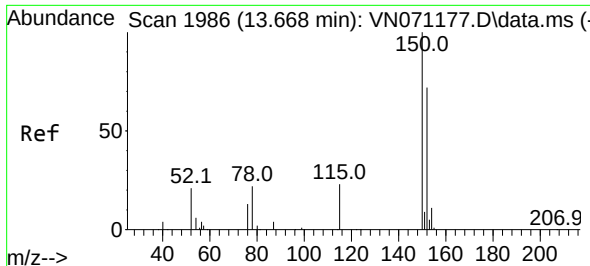
Tgt Ion: 95 Resp: 378026
Ion Ratio Lower Upper
95 100
174 79.0 0.0 187.2
176 74.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 117 Resp: 935106
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.3 25.4 38.2

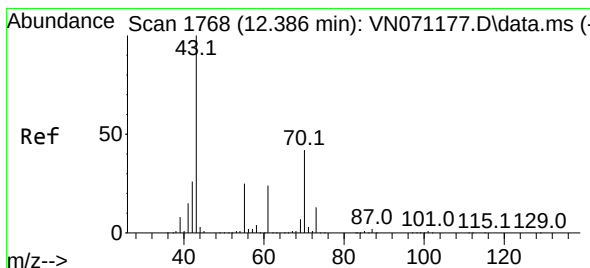
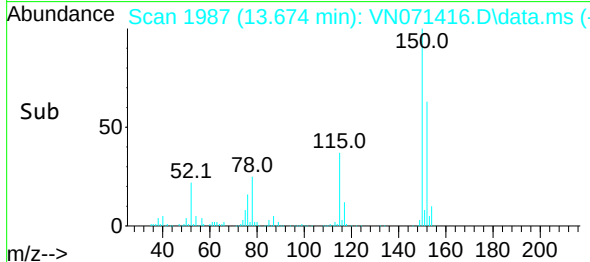
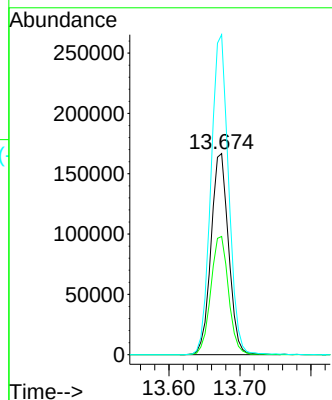
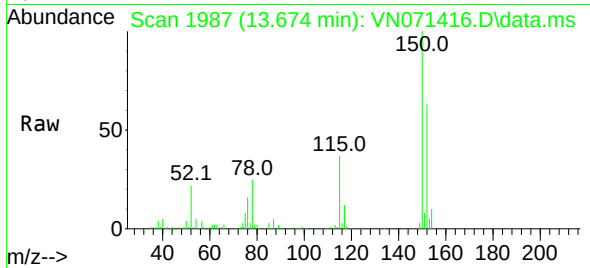




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071416.D
 Acq: 21 Mar 2022 13:00

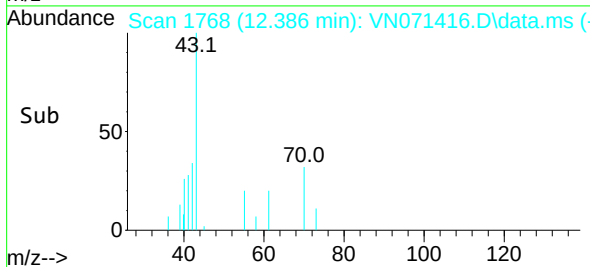
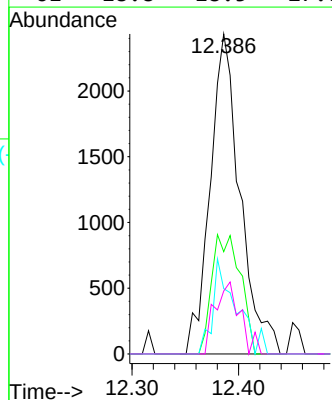
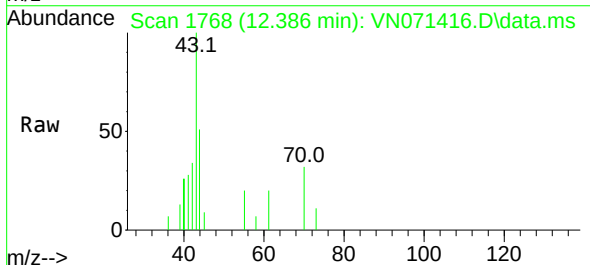
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBL01

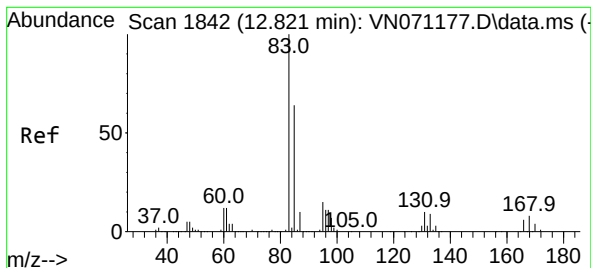
Tgt Ion:152 Resp: 286074
 Ion Ratio Lower Upper
 152 100
 115 59.5 27.5 82.5
 150 160.3 0.0 344.4



#74
 N-ethyl acetate
 Concen: 0.458 ug/l
 RT: 12.386 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VN071416.D
 Acq: 21 Mar 2022 13:00

Tgt Ion: 43 Resp: 4747
 Ion Ratio Lower Upper
 43 100
 70 35.7 33.4 50.0
 55 23.3 19.3 28.9
 61 18.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.827 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

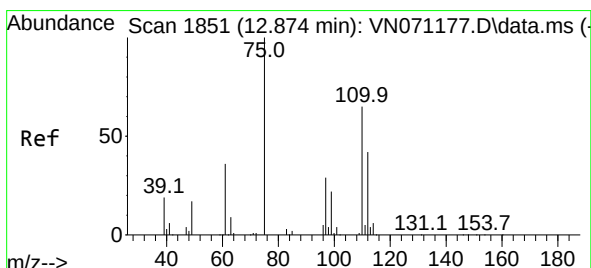
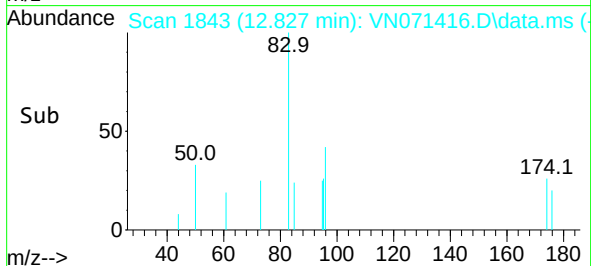
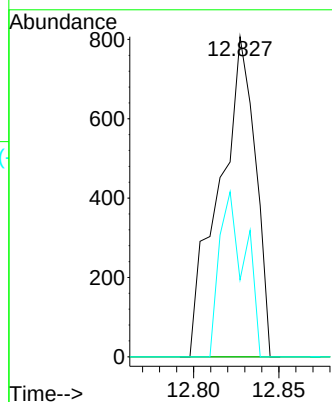
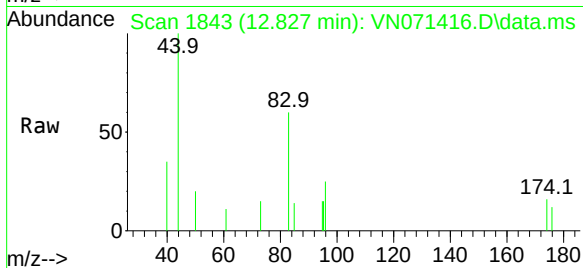
Tgt Ion: 83 Resp: 1187

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 36.7 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 26.840 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN071416.D

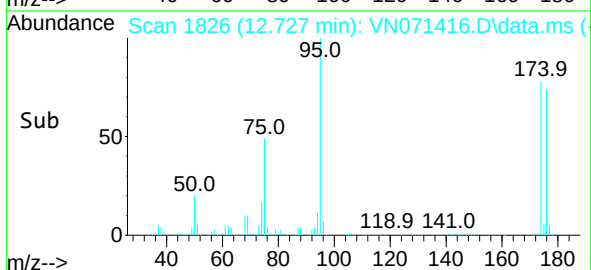
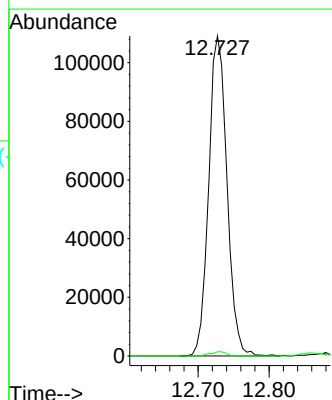
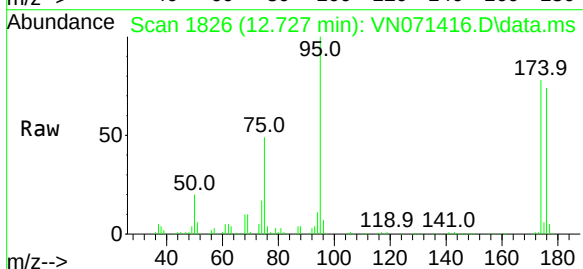
Acq: 21 Mar 2022 13:00

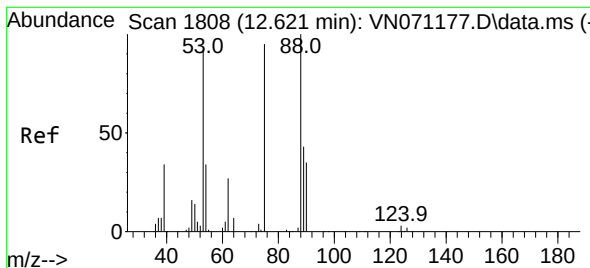
Tgt Ion: 75 Resp: 195158

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

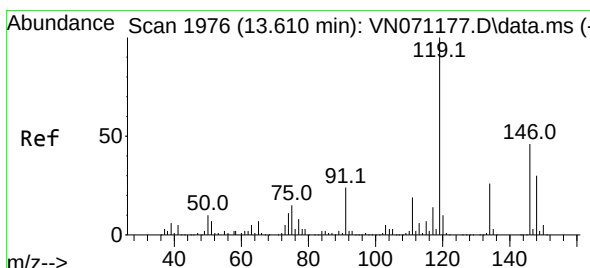
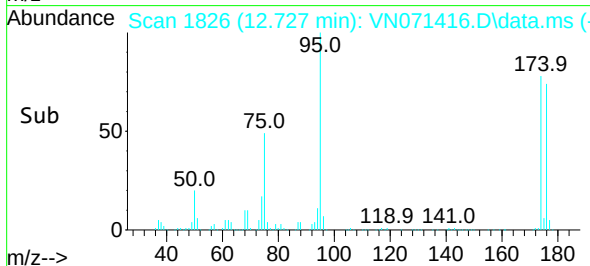
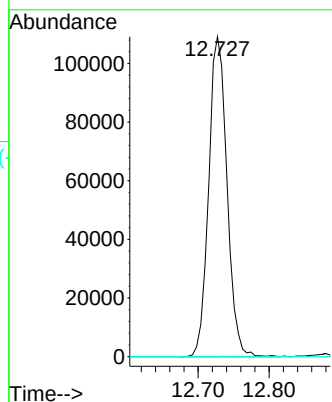
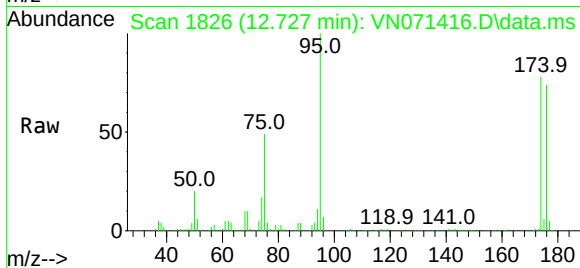




#81
trans-1,4-Dichloro-2-butene
Concen: 73.745 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

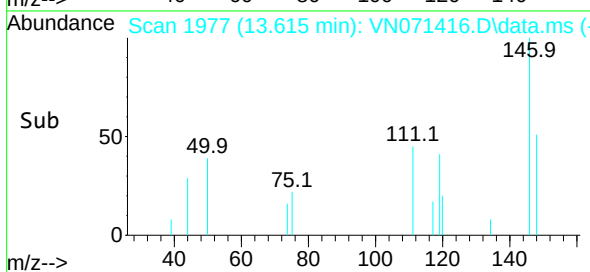
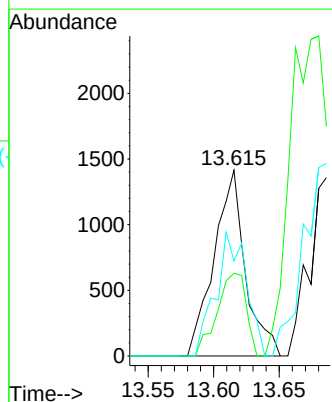
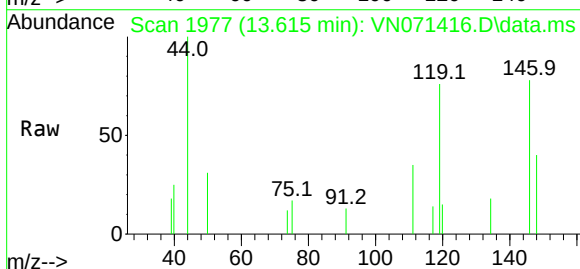
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

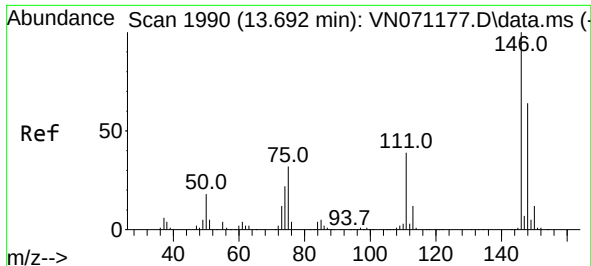
Tgt Ion: 75 Resp: 195158
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#87
1,3-Dichlorobenzene
Concen: 0.225 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion:146 Resp: 2349
Ion Ratio Lower Upper
146 100
111 41.3 18.6 55.6
148 65.2 31.6 95.0

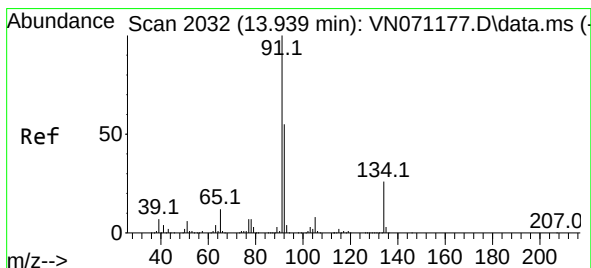
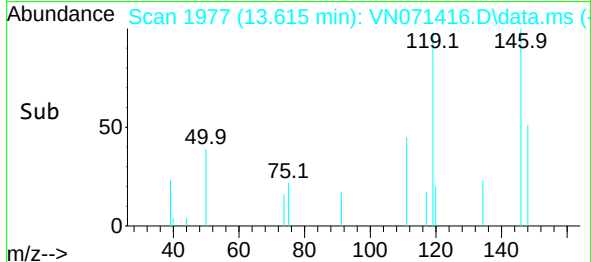
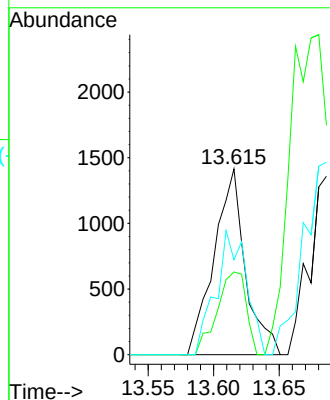
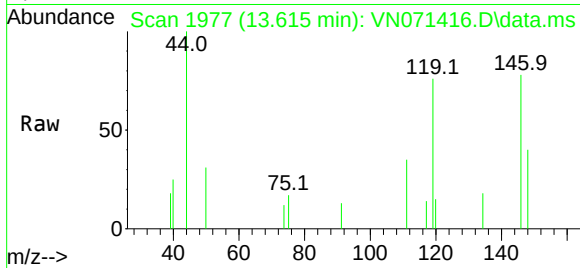




#88
1,4-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.615 min Scan# 1990
Delta R.T. -0.077 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

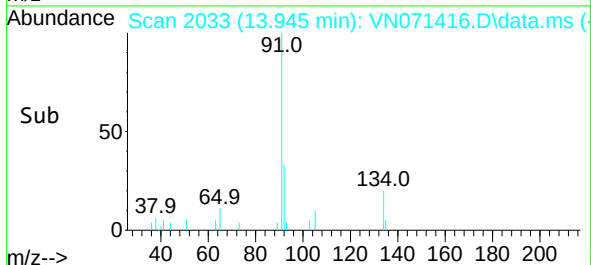
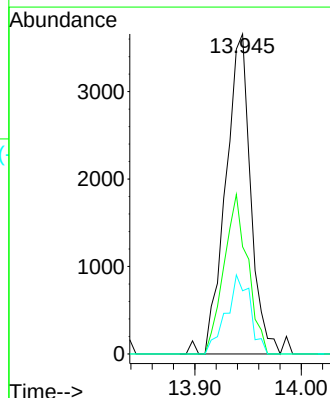
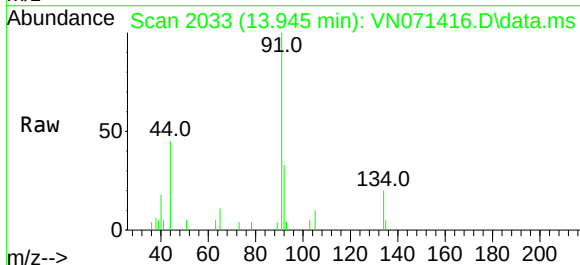
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

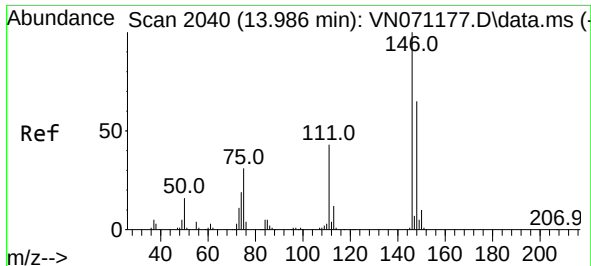
Tgt Ion:146	Resp:	2349
Ion Ratio	Lower	Upper
146	100	
111	41.3	18.3 54.8
148	65.2	31.8 95.4



#89
n-Butylbenzene
Concen: 0.381 ug/l
RT: 13.945 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VN071416.D
Acq: 21 Mar 2022 13:00

Tgt Ion: 91	Resp:	5964
Ion Ratio	Lower	Upper
91	100	
92	47.5	25.4 76.0
134	23.7	13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.314 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

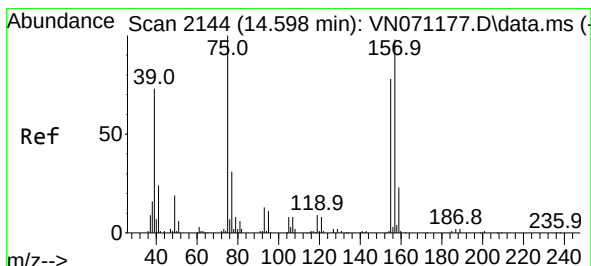
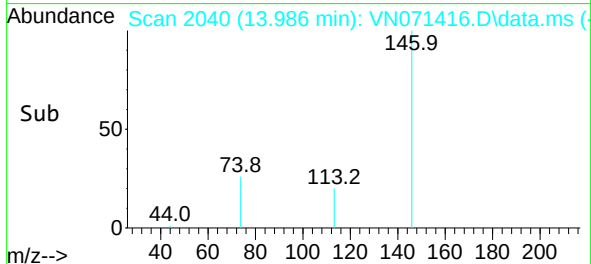
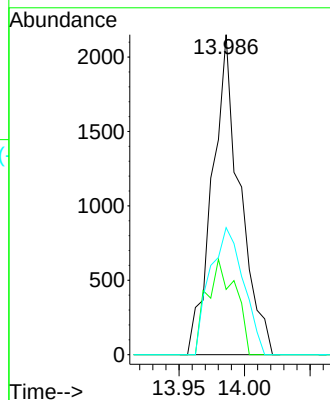
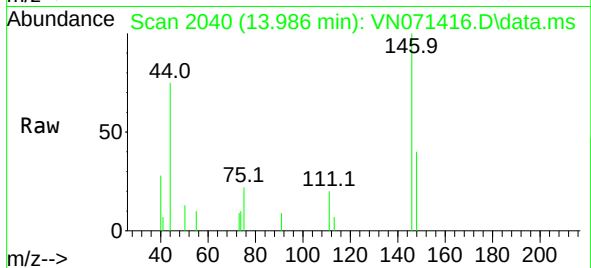
Tgt Ion:146 Resp: 3152

Ion Ratio Lower Upper

146 100

111 30.6 19.1 57.3

148 48.0 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.338 ug/l

RT: 14.604 min Scan# 2145

Delta R.T. 0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

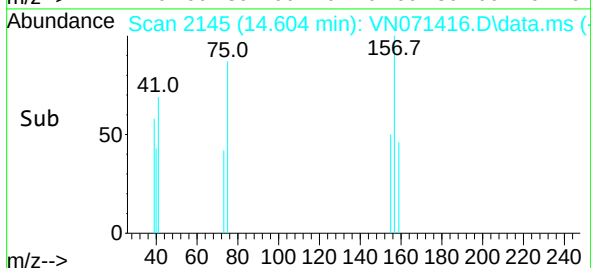
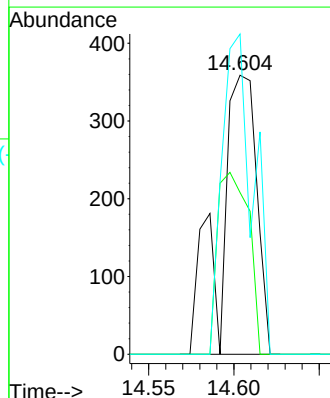
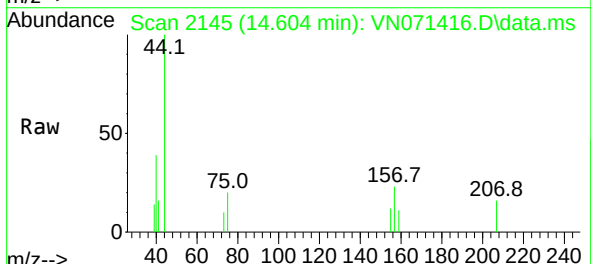
Tgt Ion: 75 Resp: 542

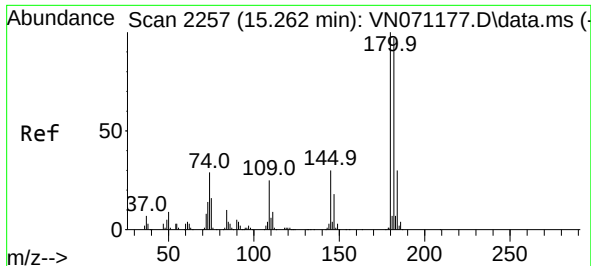
Ion Ratio Lower Upper

75 100

155 55.2 46.9 140.7

157 95.2 60.6 181.7

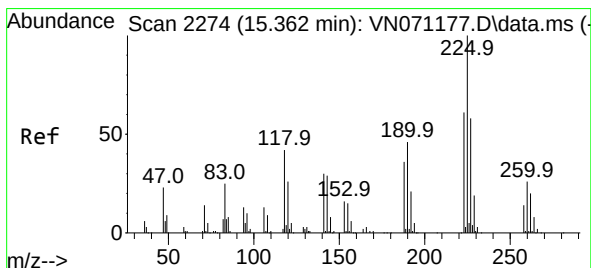
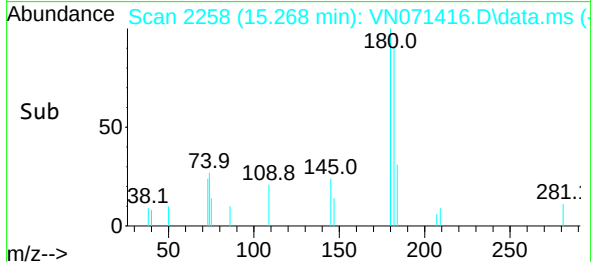
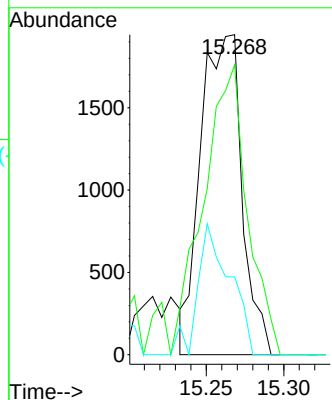
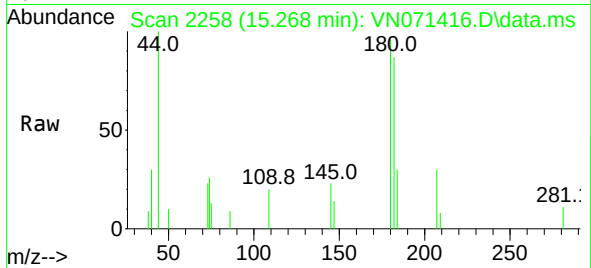




#93
 1,2,4-Trichlorobenzene
 Concen: 3.710 ug/l
 RT: 15.268 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071416.D
 Acq: 21 Mar 2022 13:00

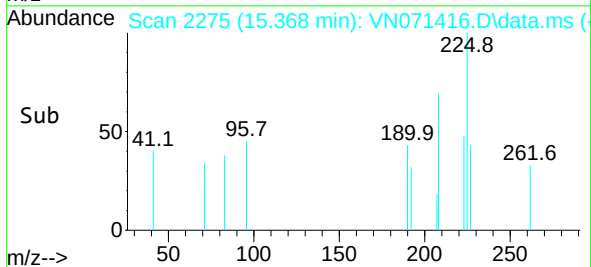
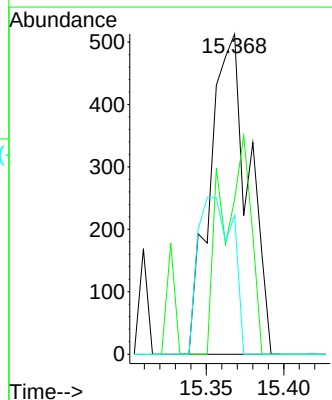
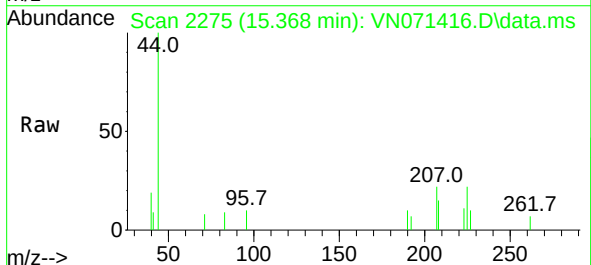
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBL01

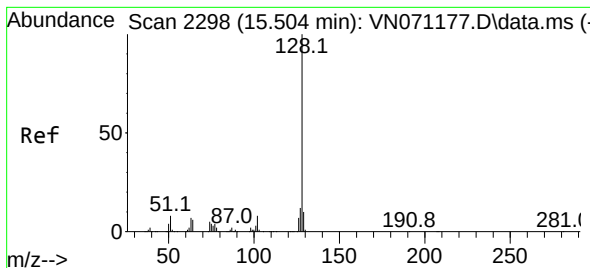
Tgt Ion:180 Resp: 3593
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.3 144.9
 145 32.0 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 0.315 ug/l
 RT: 15.368 min Scan# 2275
 Delta R.T. 0.006 min
 Lab File: VN071416.D
 Acq: 21 Mar 2022 13:00

Tgt Ion:225 Resp: 887
 Ion Ratio Lower Upper
 225 100
 223 50.3 31.9 95.7
 227 0.0 32.1 96.3#





#95

Naphthalene

Concen: 5.882 ug/l

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

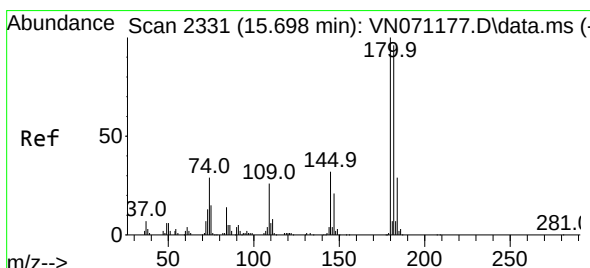
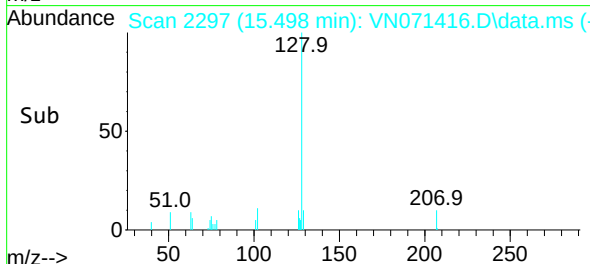
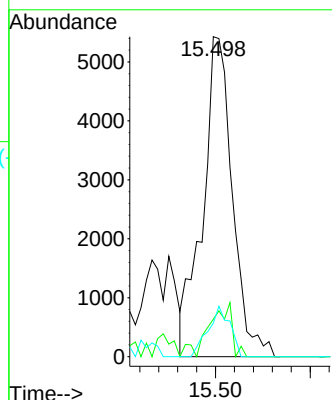
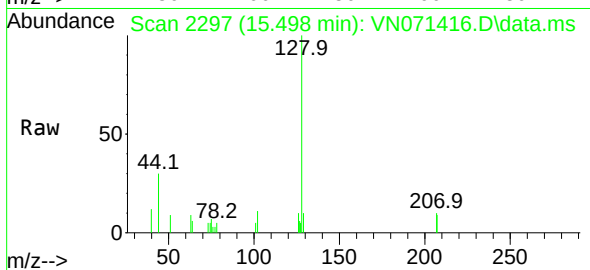
Tgt Ion:128 Resp: 11884

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.617 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.006 min

Lab File: VN071416.D

Acq: 21 Mar 2022 13:00

Tgt Ion:180 Resp: 4205

Ion Ratio Lower Upper

180 100

182 91.8 47.4 142.2

145 34.8 15.0 45.1

