

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071417.D
 Acq On : 21 Mar 2022 13:24
 Operator : JC\MD
 Sample : VN0321WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

Quant Time: Mar 21 16:25:25 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)

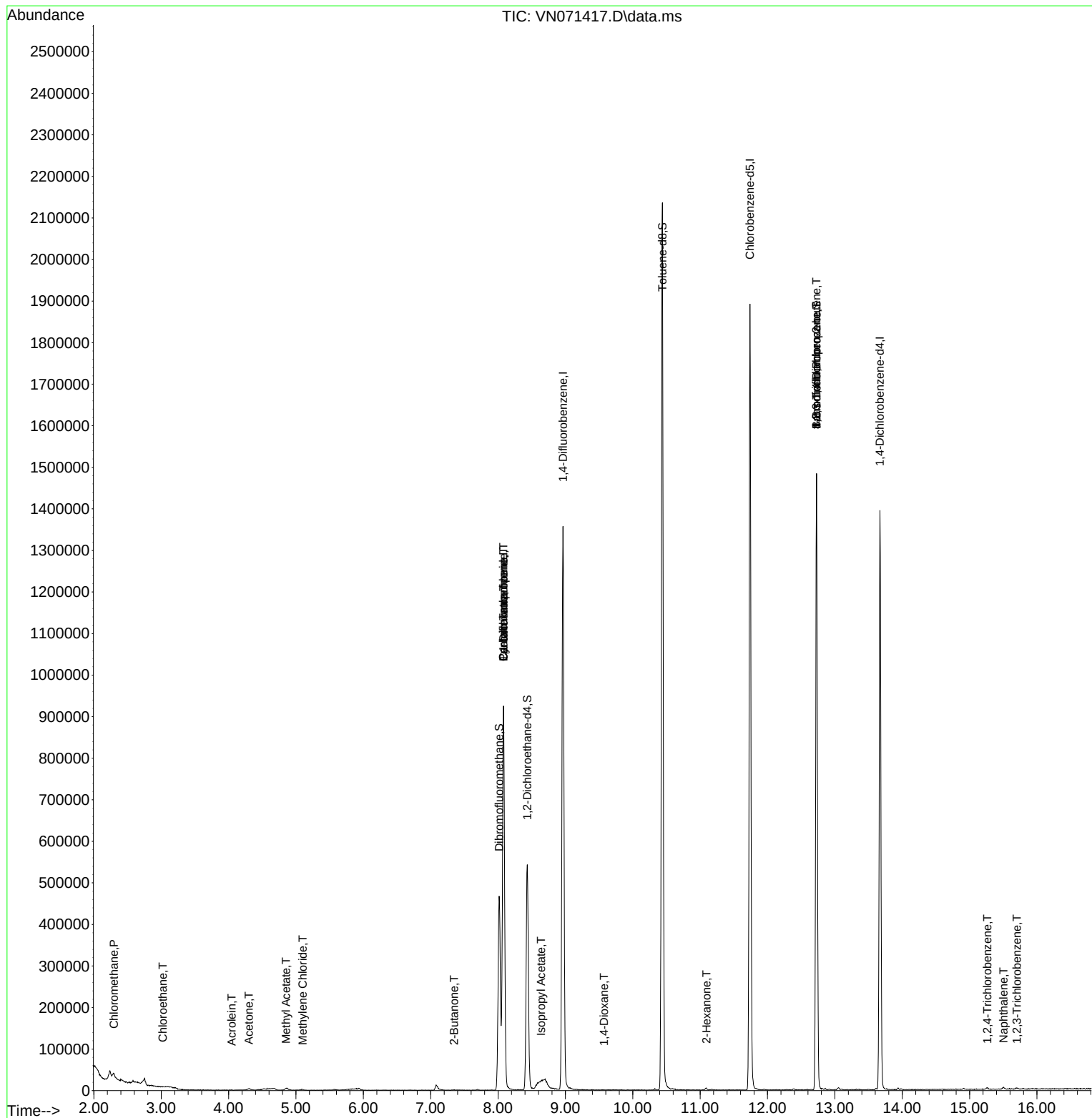
Internal Standards						
1) Pentafluorobenzene	8.081	168	694995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1183562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1090417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	375643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	453404	47.601	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.200%
35) Dibromofluoromethane	8.016	113	348420	46.651	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.300%
50) Toluene-d8	10.439	98	1446518	48.103	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.727	95	515494	50.624	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.240%
Target Compounds						Qvalue
3) Chloromethane	2.299	50	3531	0.311	ug/l	90
5) Bromomethane	2.851	94	1567	Below Cal		94
6) Chloroethane	3.022	64	1274	0.225	ug/l #	59
13) Acrolein	4.045	56	533	0.269	ug/l #	76
16) Acetone	4.298	43	3954	0.853	ug/l #	85
18) Methyl Acetate	4.851	43	11326	1.371	ug/l	95
20) Methylene Chloride	5.098	84	1208	0.523	ug/l	93
25) 2-Butanone	7.345	43	2131	0.285	ug/l #	84
31) Cyclohexane	8.081	56	15387	1.012	ug/l #	26
36) 1,1-Dichloropropene	8.081	75	56511	4.722	ug/l #	49
38) Carbon Tetrachloride	8.081	117	70059	6.053	ug/l #	16
43) Isopropyl Acetate	8.639	43	38625	1.568	ug/l #	55
49) 1,4-Dioxane	9.575	88	56	0.282	ug/l #	1
59) 2-Hexanone	11.092	43	4183	0.401	ug/l	88
71) Bromoform	12.727	173	3095	0.475	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.821	83	510	Below Cal	#	83
76) 1,2,3-Trichloropropane	12.727	75	268219	28.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	268219	77.186	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1634	3.239	ug/l	91
95) Naphthalene	15.504	128	4492	5.302	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.704	180	1624	2.992	ug/l #	83

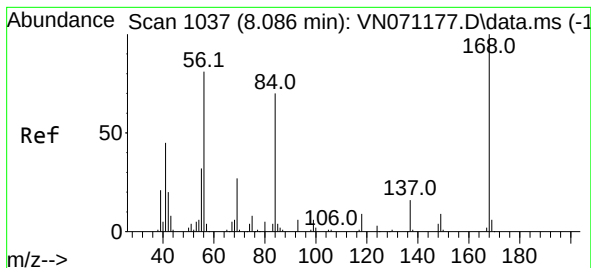
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 21 16:25:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
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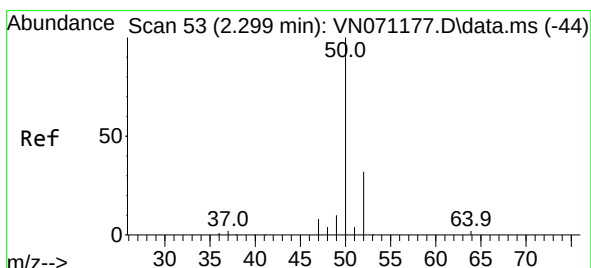
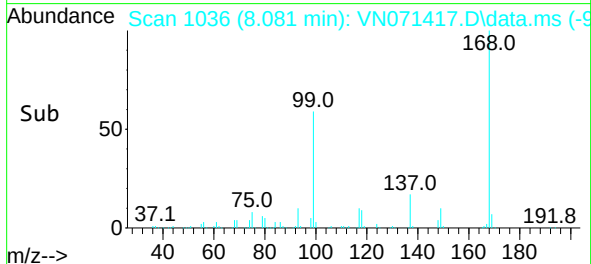
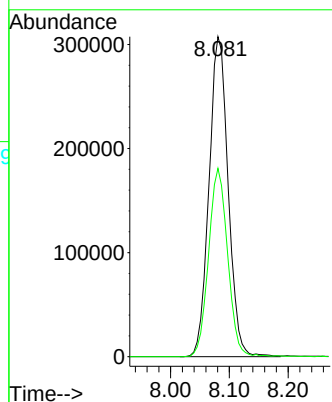
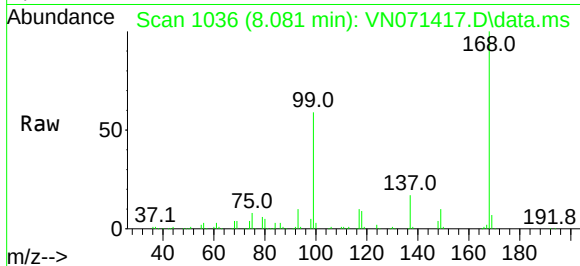




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

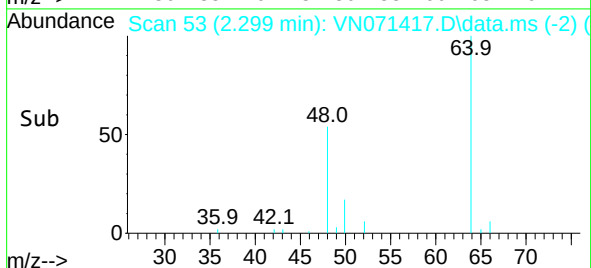
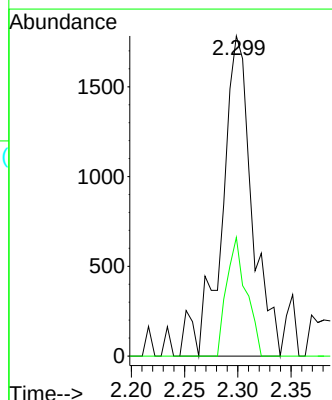
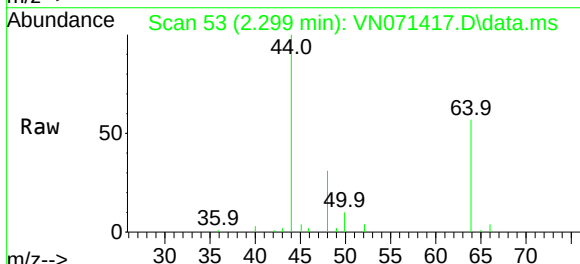
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

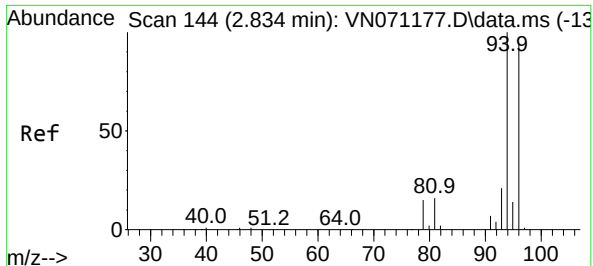
Tgt Ion:168 Resp: 694995
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#3
Chloromethane
Concen: 0.311 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 50 Resp: 3531
Ion Ratio Lower Upper
50 100
52 37.1 25.4 38.0

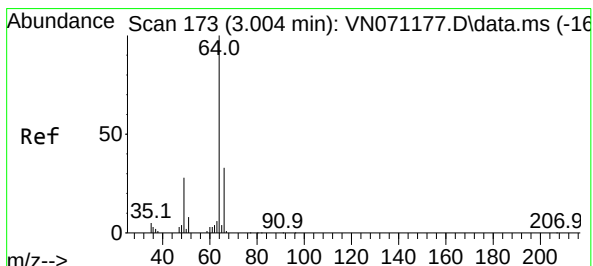
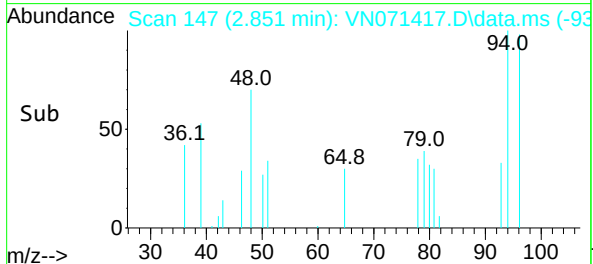
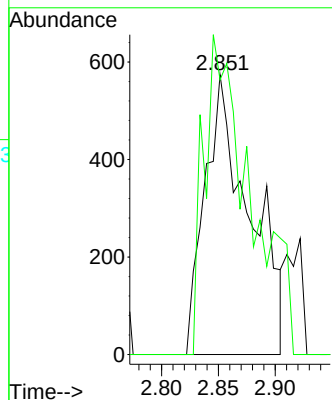
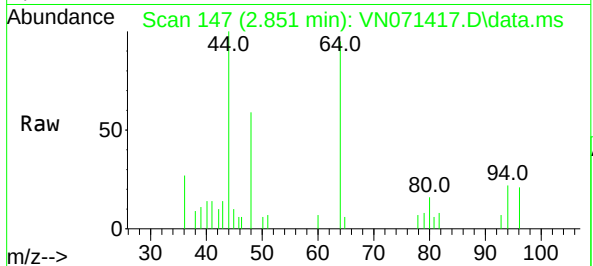




#5
Bromomethane
Concen: Below Cal
RT: 2.851 min Scan# 144
Delta R.T. 0.017 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

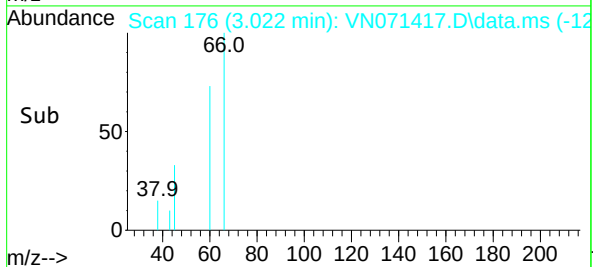
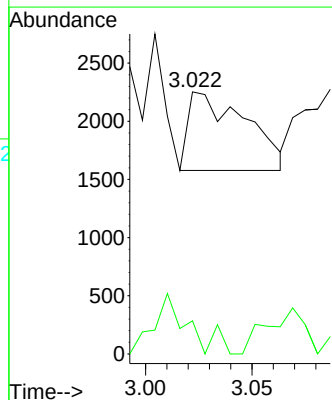
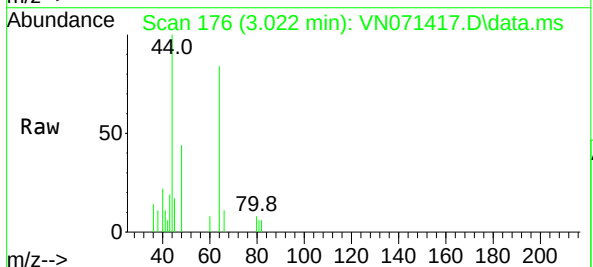
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

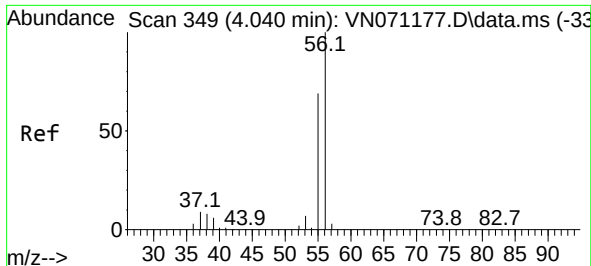
Tgt Ion: 94 Resp: 1567
Ion Ratio Lower Upper
94 100
96 98.1 73.8 110.8



#6
Chloroethane
Concen: 0.225 ug/l
RT: 3.022 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 64 Resp: 1274
Ion Ratio Lower Upper
64 100
66 9.6 26.3 39.5#

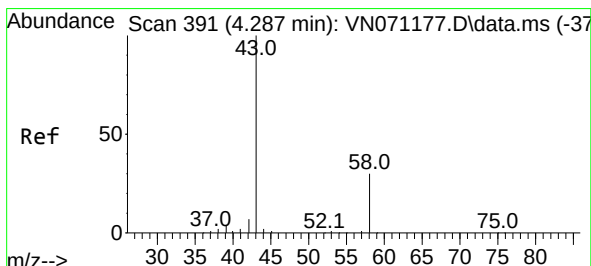
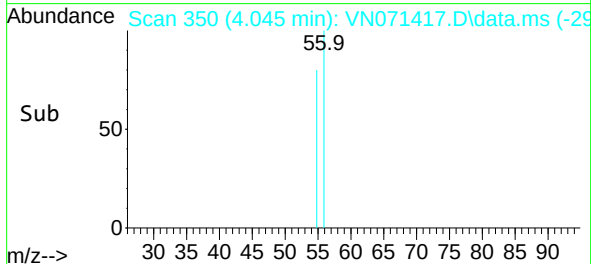
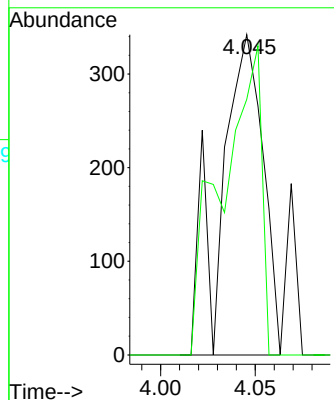
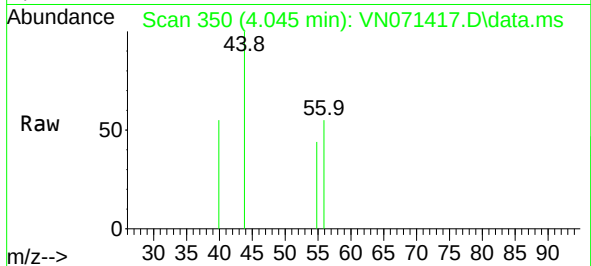




#13
Acrolein
Concen: 0.269 ug/l
RT: 4.045 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

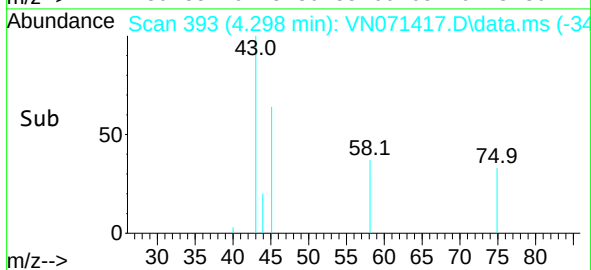
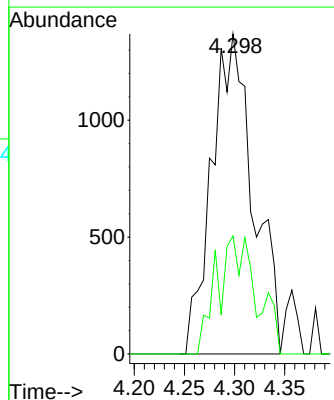
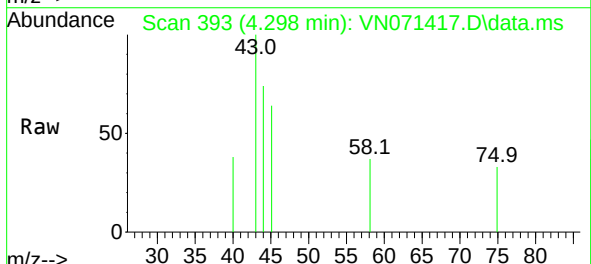
Instrument :
MSVOA_N
ClientSampleId :
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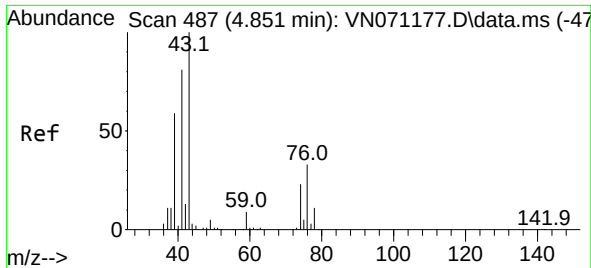
Tgt Ion: 56 Resp: 533
Ion Ratio Lower Upper
56 100
55 90.2 56.6 85.0#



#16
Acetone
Concen: 0.853 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
58 36.9 23.1 34.7#

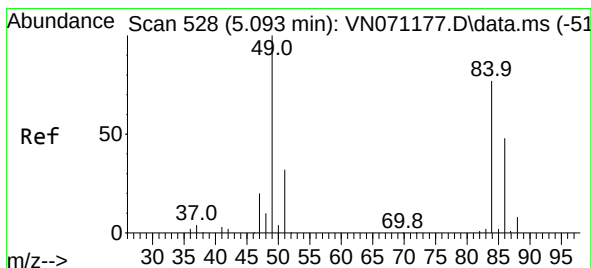
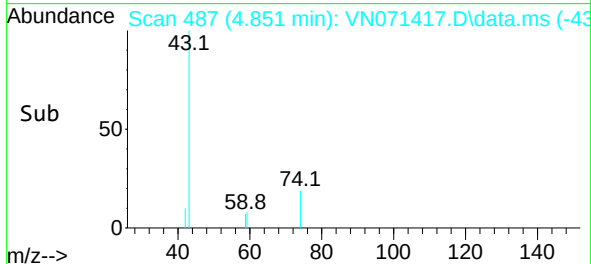
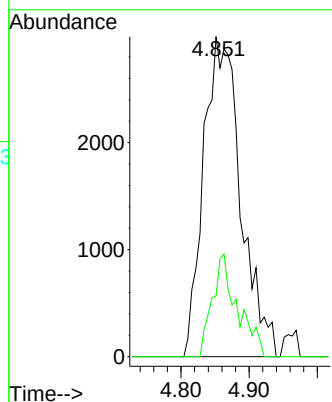
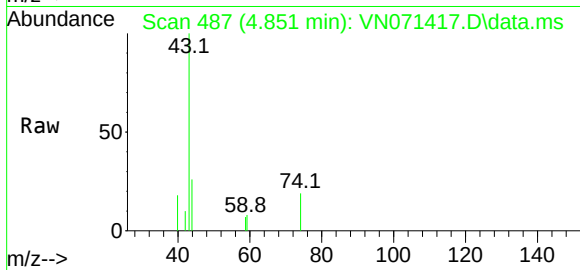




#18
Methyl Acetate
Concen: 1.371 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

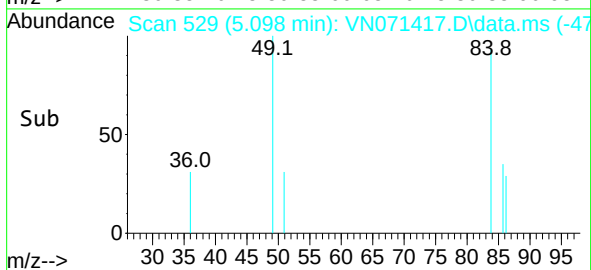
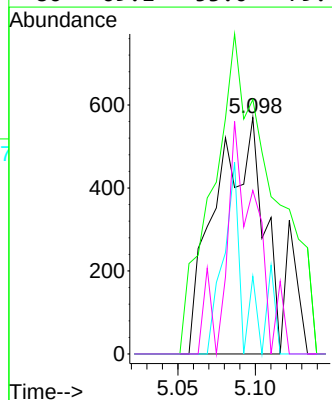
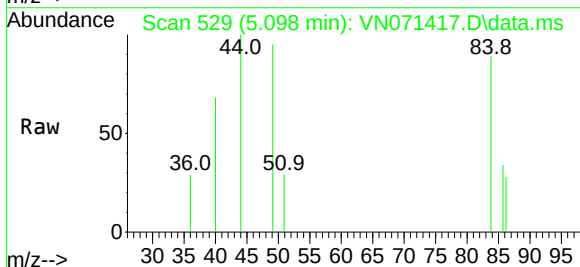
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

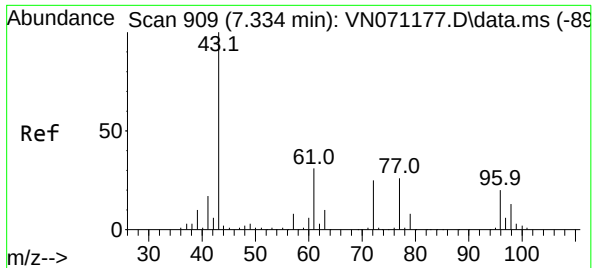
Tgt Ion: 43 Resp: 11326
Ion Ratio Lower Upper
43 100
74 21.6 19.4 29.2



#20
Methylene Chloride
Concen: 0.523 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 84 Resp: 1208
Ion Ratio Lower Upper
84 100
49 107.5 93.5 140.3
51 32.8 29.4 44.2
86 69.1 53.0 79.4





#25

2-Butanone

Concen: 0.285 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.012 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

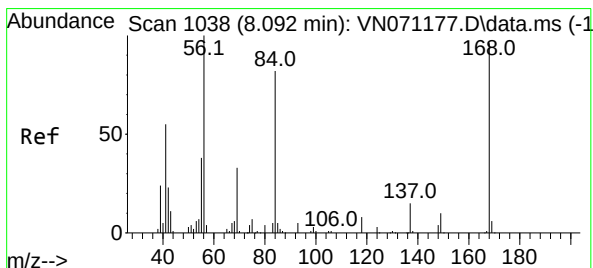
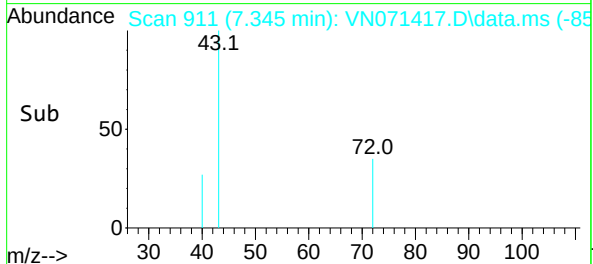
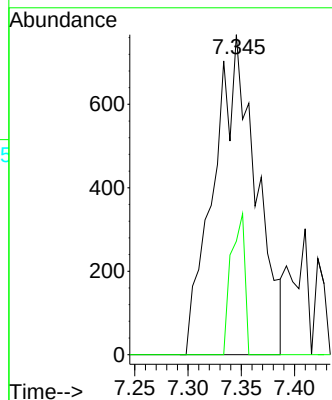
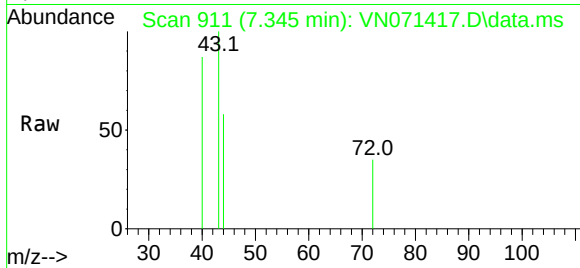
VN0321WBL01

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

43 100

72 35.5 21.7 32.5#



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

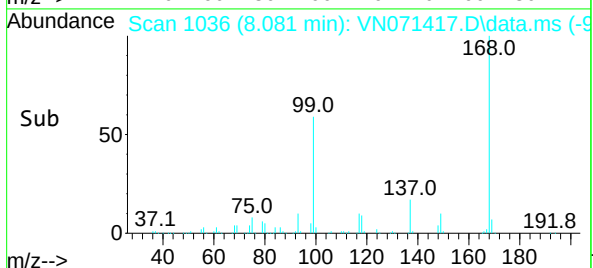
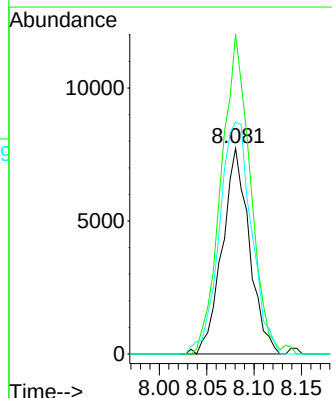
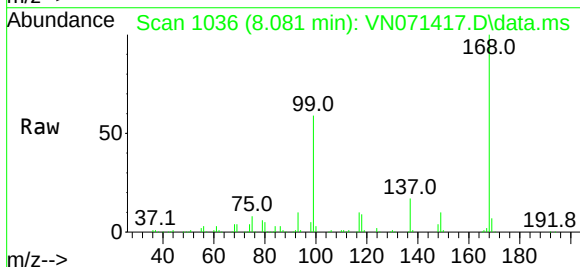
Tgt Ion: 56 Resp: 15387

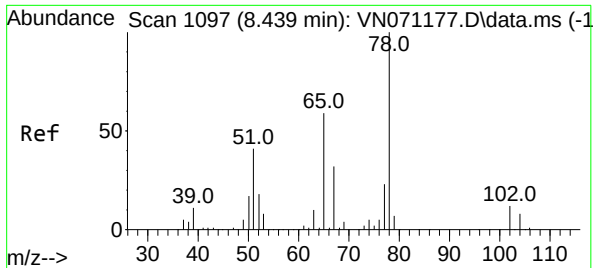
Ion Ratio Lower Upper

56 100

69 155.6 27.1 40.7#

84 112.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.601 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

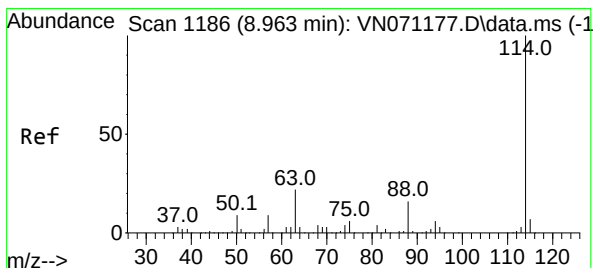
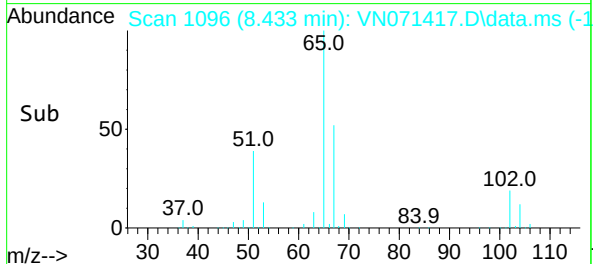
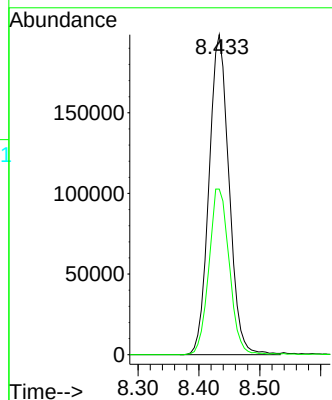
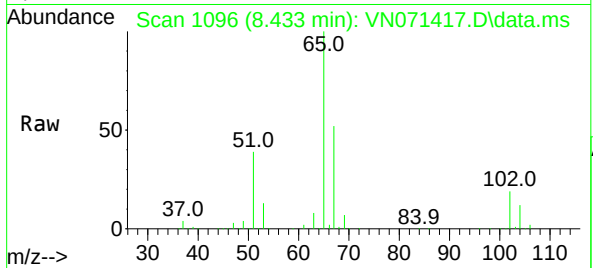
VN0321WBL01

Tgt Ion: 65 Resp: 453404

Ion Ratio Lower Upper

65 100

67 52.6 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: VN071417.D

Acq: 21 Mar 2022 13:24

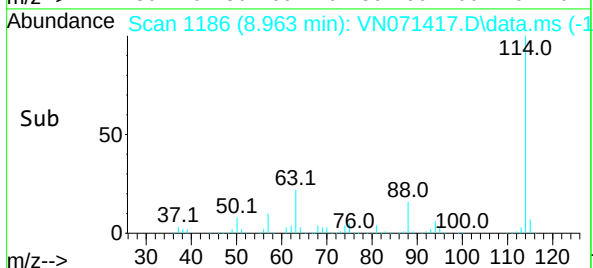
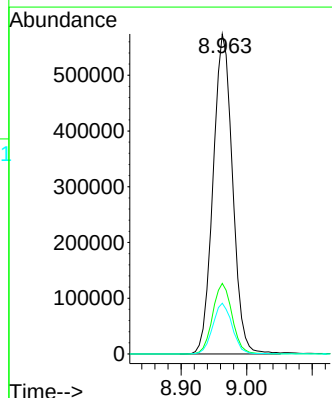
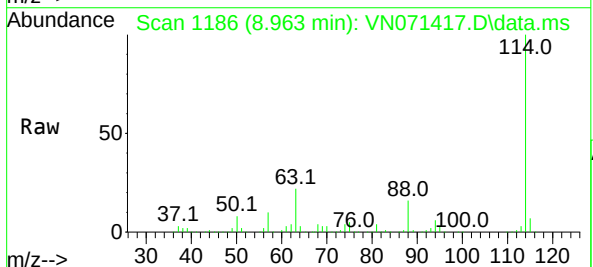
Tgt Ion: 114 Resp: 1183562

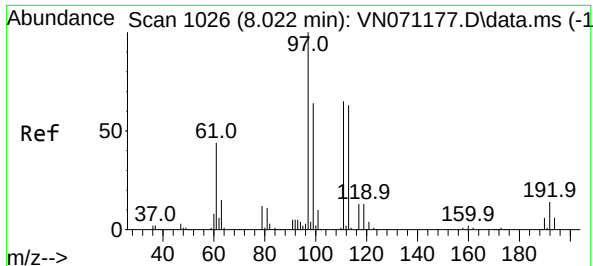
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 15.9 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.651 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

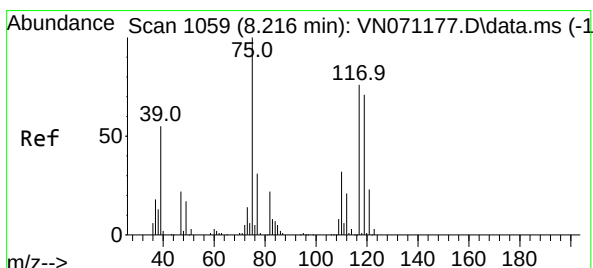
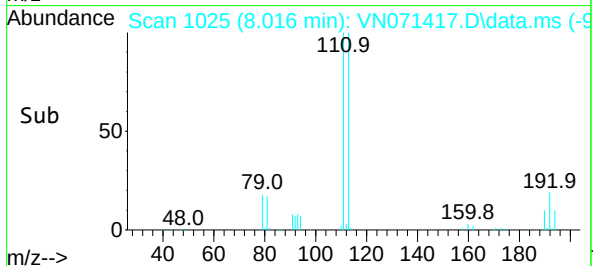
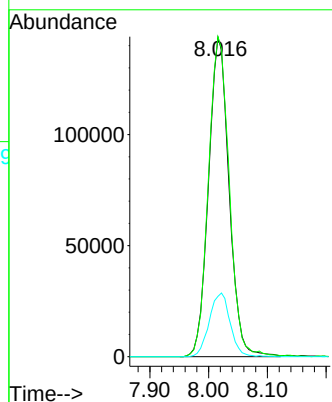
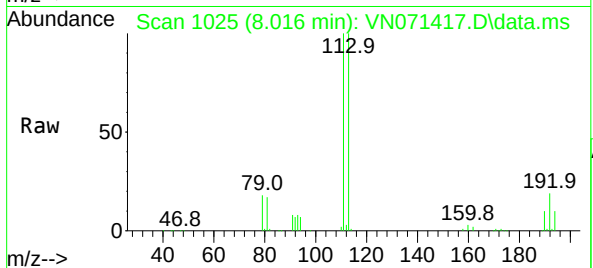
Tgt Ion:113 Resp: 348420

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 20.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

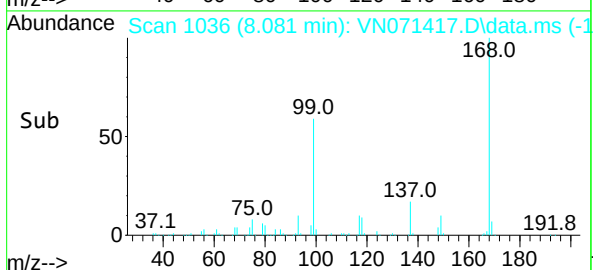
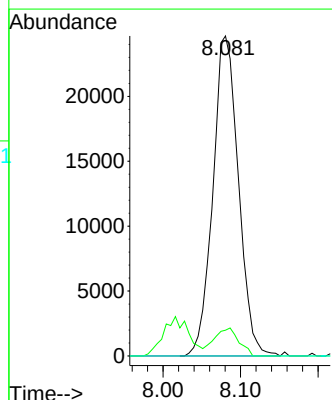
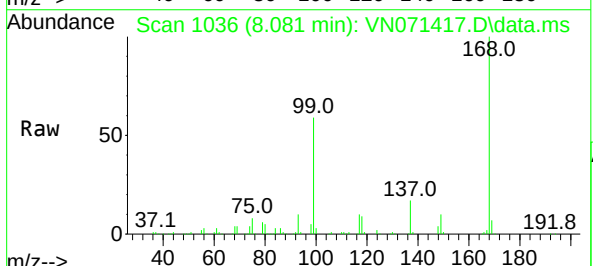
Tgt Ion: 75 Resp: 56511

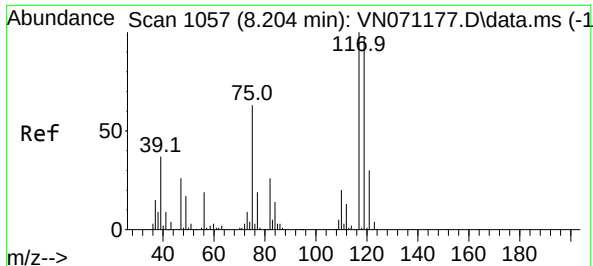
Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

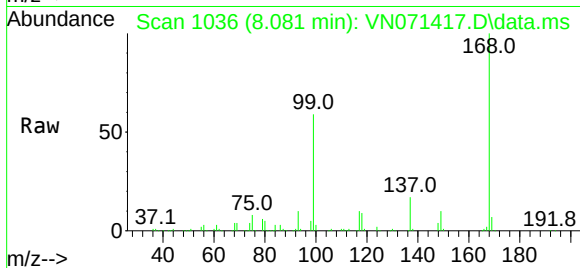
77 0.0 24.4 36.6#



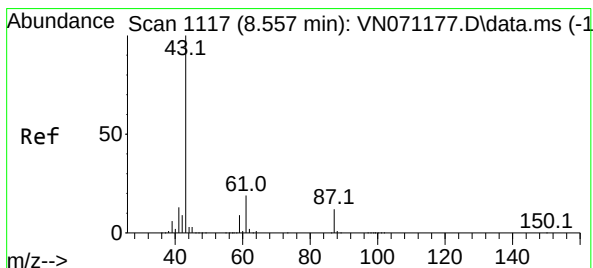
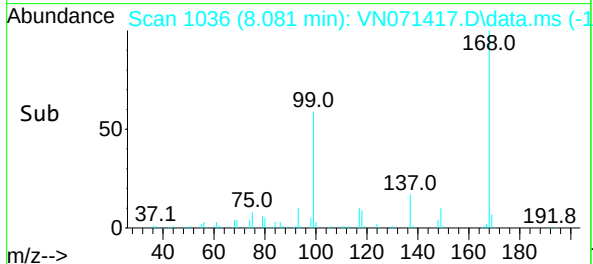
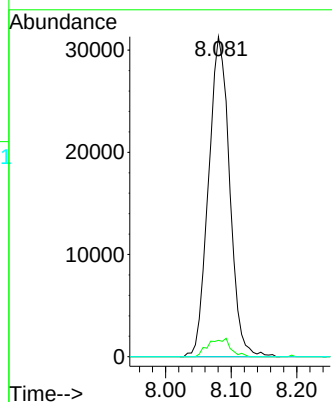


#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 8.081 min Scan# 1103
Delta R.T. -0.124 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

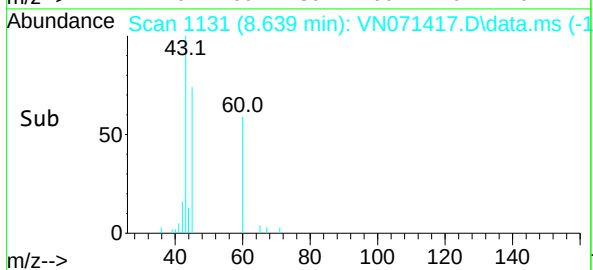
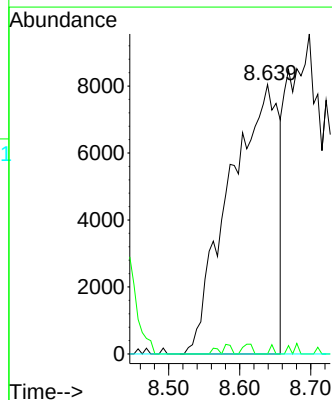
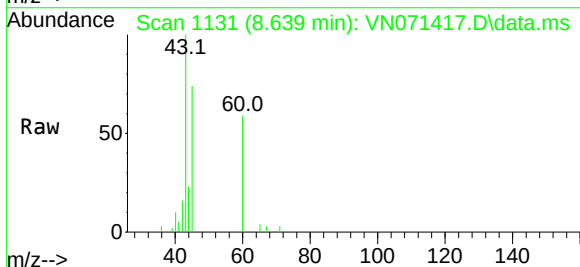


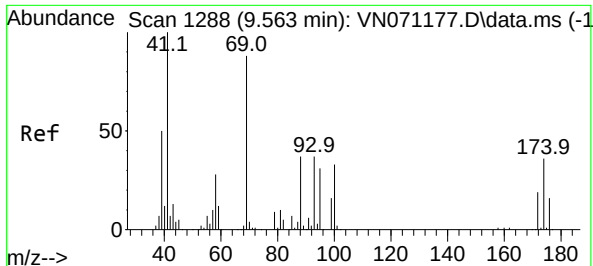
Tgt Ion:117 Resp: 70059
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.568 ug/l
RT: 8.639 min Scan# 1131
Delta R.T. 0.082 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 43 Resp: 38625
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: 0.282 ug/l

RT: 9.575 min Scan# 1288

Delta R.T. 0.012 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

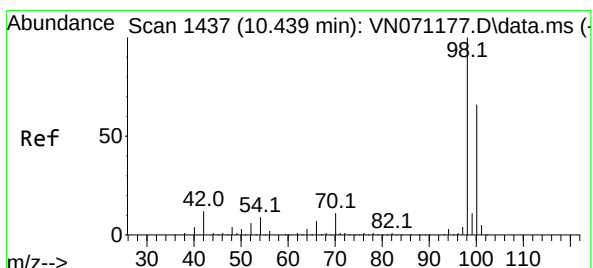
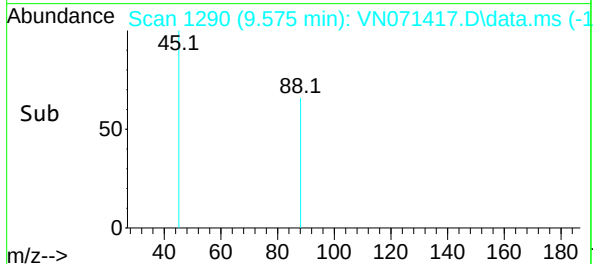
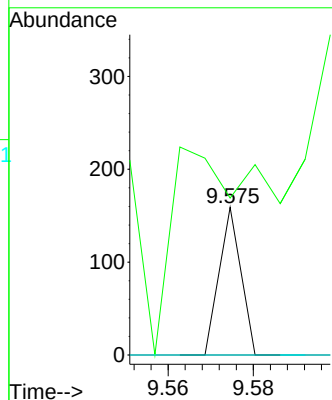
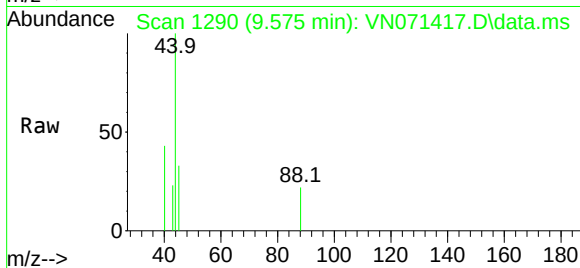
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 514.3 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 48.103 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071417.D

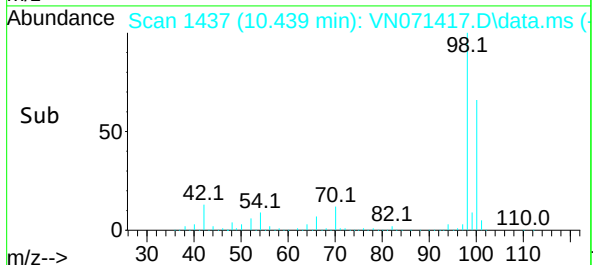
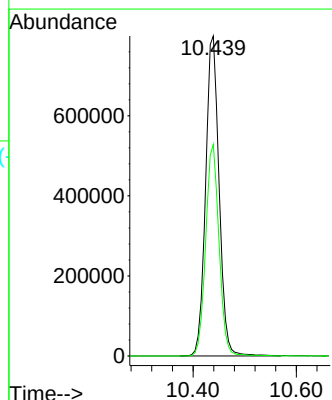
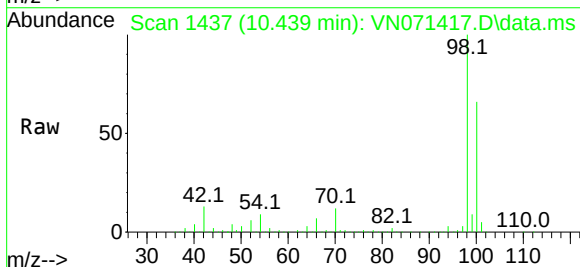
Acq: 21 Mar 2022 13:24

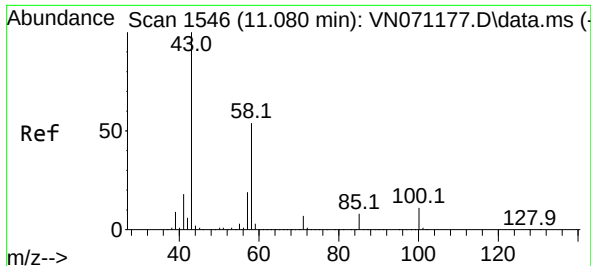
Tgt Ion: 98 Resp: 1446518

Ion Ratio Lower Upper

98 100

100 65.6 50.4 75.6

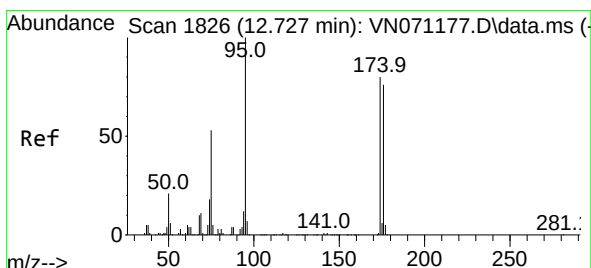
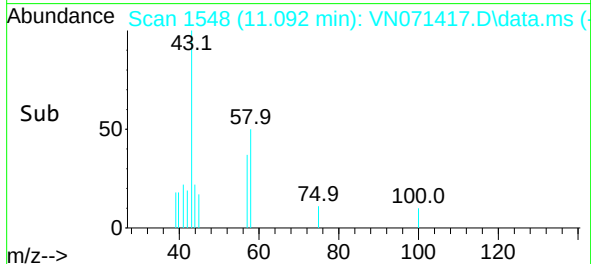
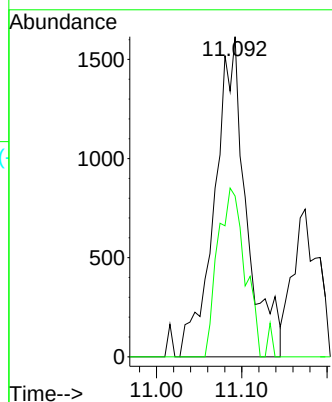
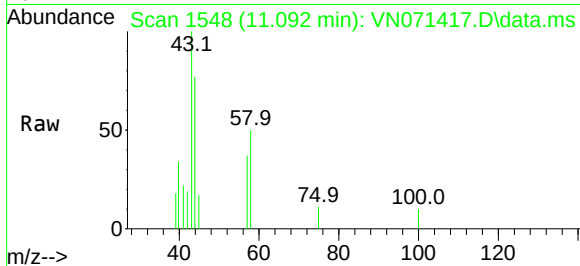




#59
2-Hexanone
Concen: 0.401 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

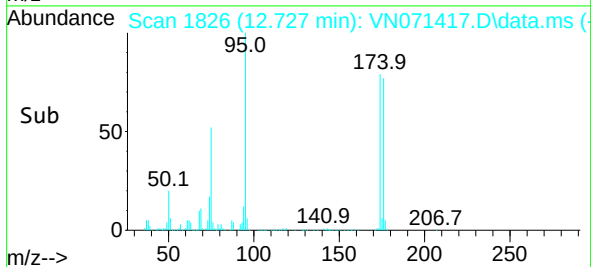
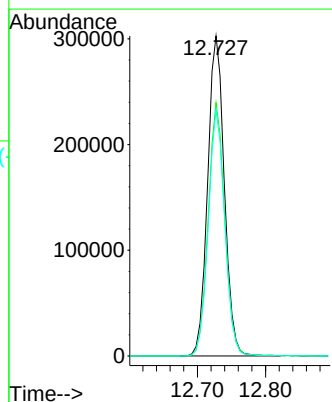
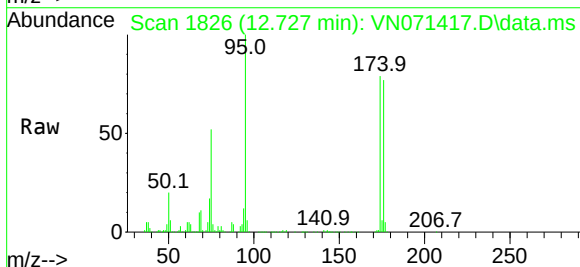
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

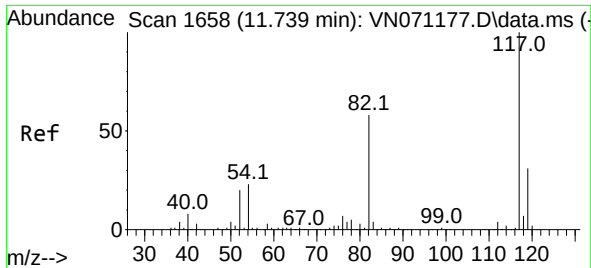
Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
58 45.0 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 50.624 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 95 Resp: 515494
Ion Ratio Lower Upper
95 100
174 78.9 0.0 187.2
176 75.5 0.0 181.4

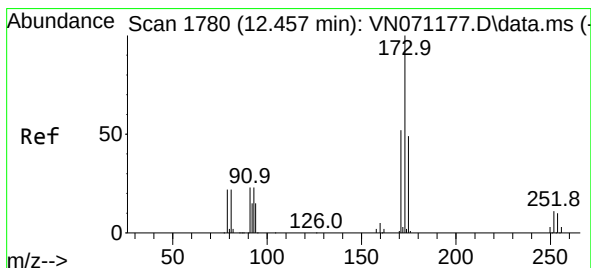
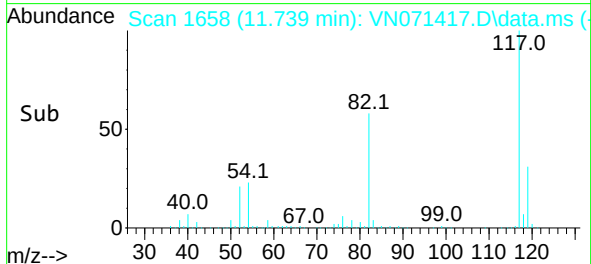
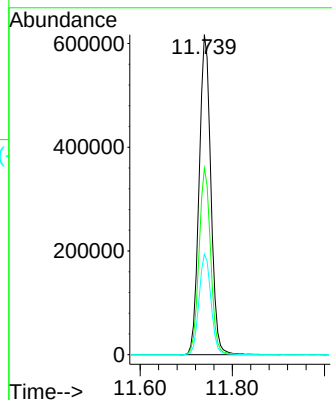
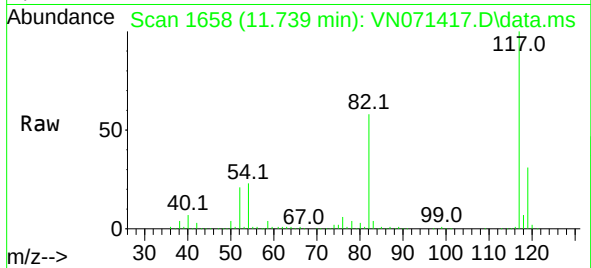




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

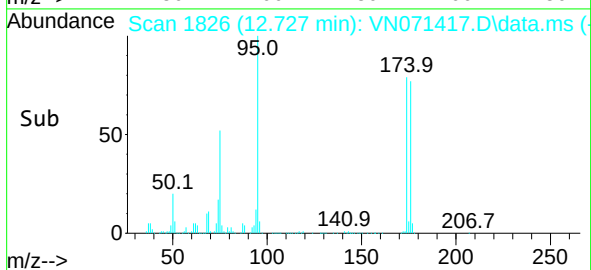
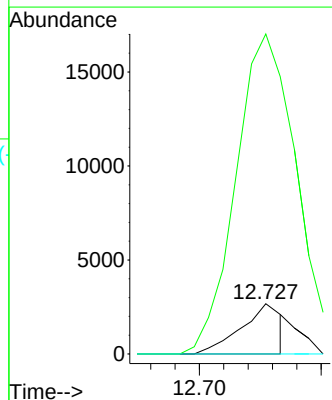
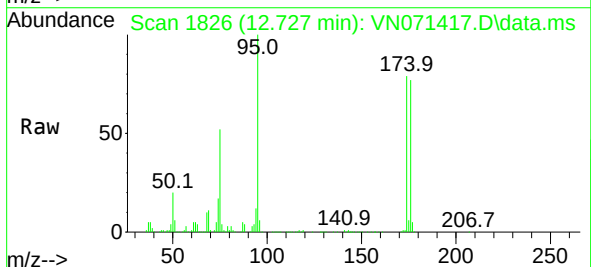
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

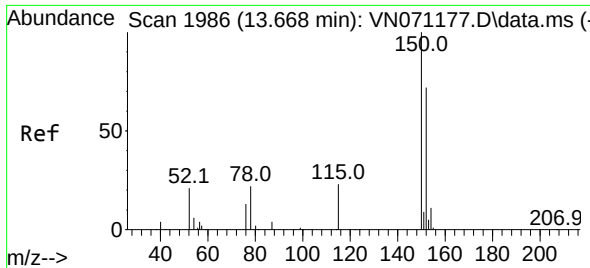
Tgt Ion:117 Resp: 1090417
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 31.4 25.4 38.2



#71
Bromoform
Concen: 0.475 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion:173 Resp: 3095
Ion Ratio Lower Upper
173 100
175 729.0 24.2 72.6#
254 0.0 0.0 0.0

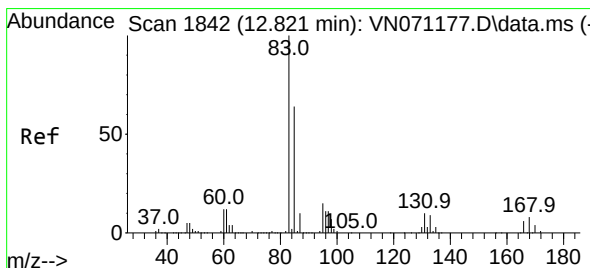
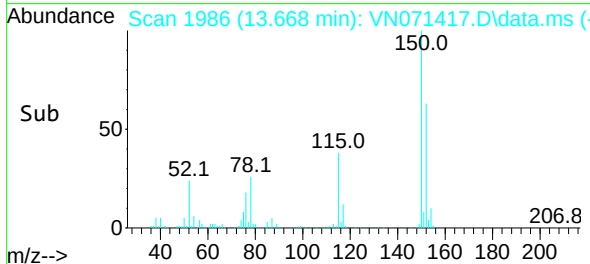
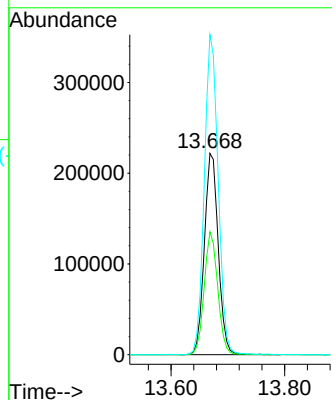
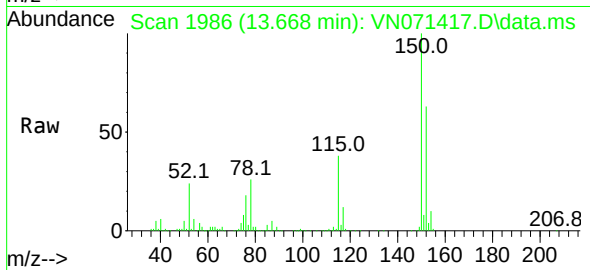




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071417.D
 Acq: 21 Mar 2022 13:24

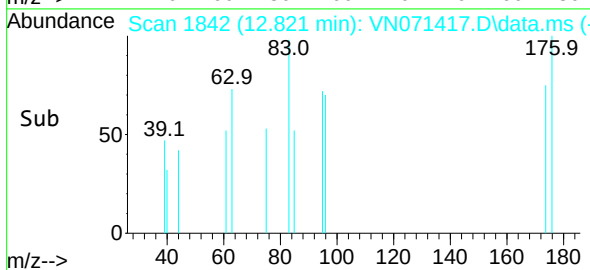
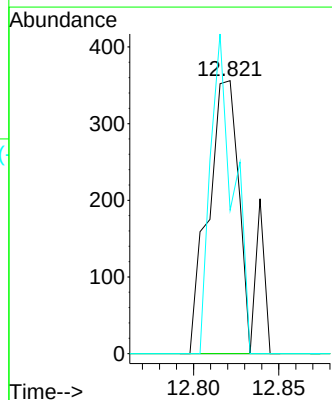
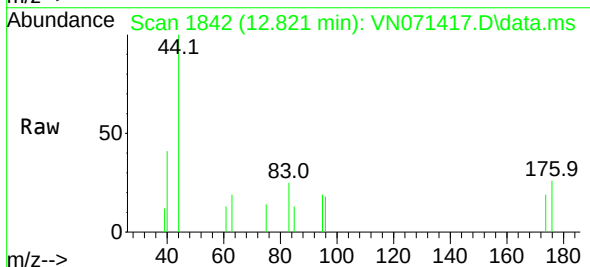
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

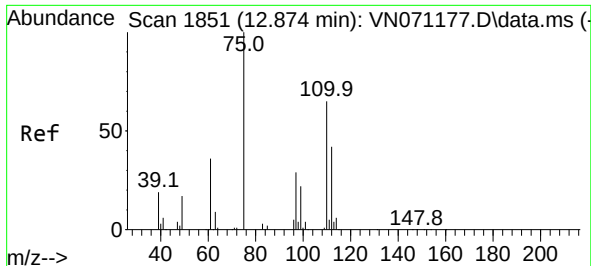
Tgt Ion:152 Resp: 375643
 Ion Ratio Lower Upper
 152 100
 115 59.6 27.5 82.5
 150 158.1 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.821 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: VN071417.D
 Acq: 21 Mar 2022 13:24

Tgt Ion: 83 Resp: 510
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 76.7 32.4 97.2

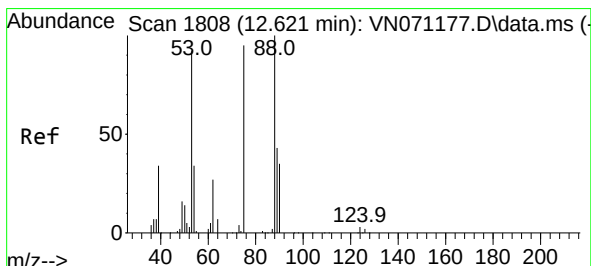
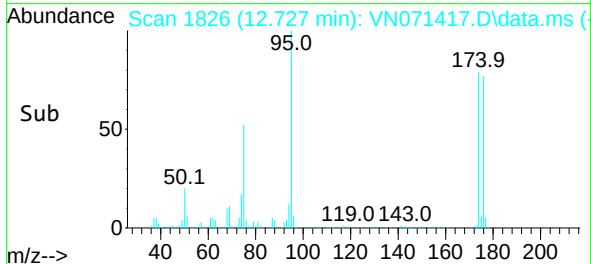
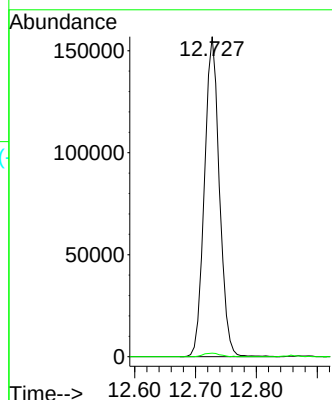
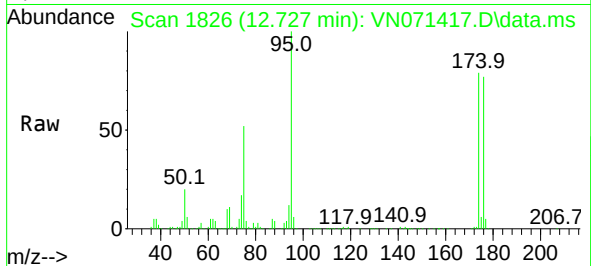




#76
1,2,3-Trichloropropane
Concen: 28.232 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

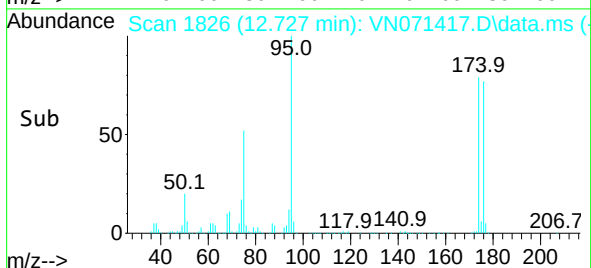
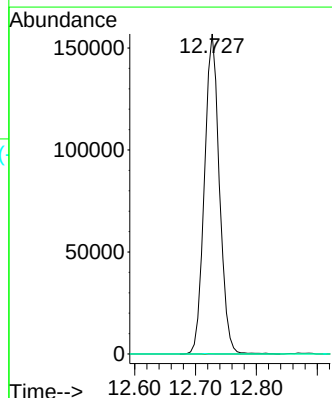
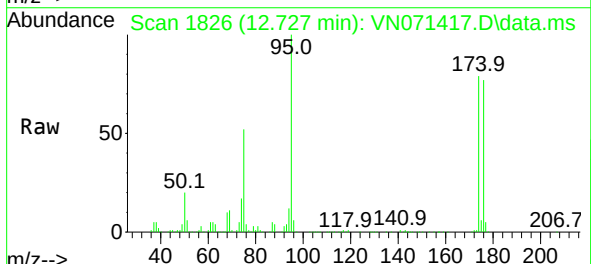
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

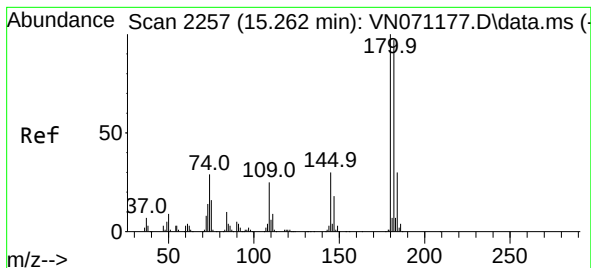
Tgt Ion: 75 Resp: 268219
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.186 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071417.D
Acq: 21 Mar 2022 13:24

Tgt Ion: 75 Resp: 268219
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.239 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

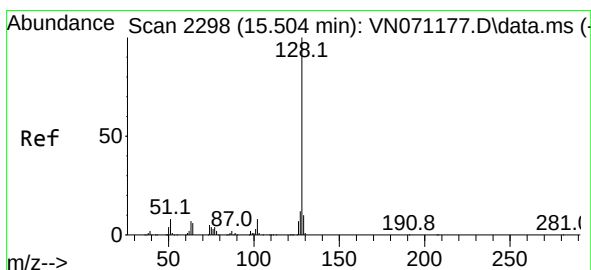
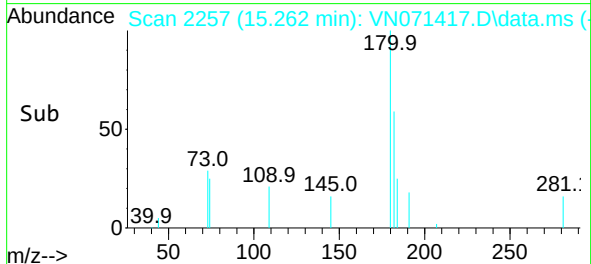
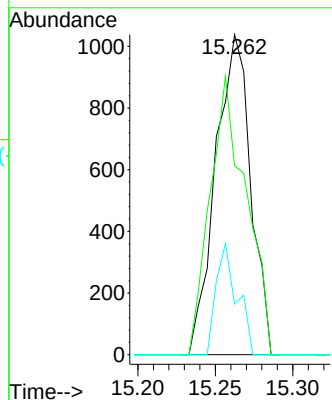
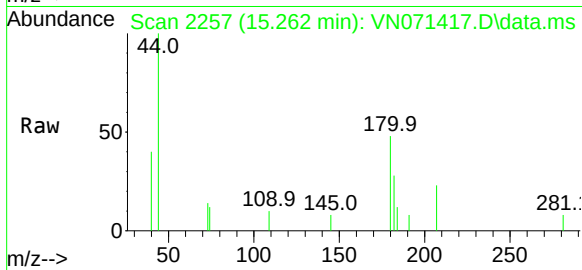
Tgt Ion:180 Resp: 1634

Ion Ratio Lower Upper

180 100

182 89.2 48.3 144.9

145 20.7 14.5 43.5



#95

Naphthalene

Concen: 5.302 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VN071417.D

Acq: 21 Mar 2022 13:24

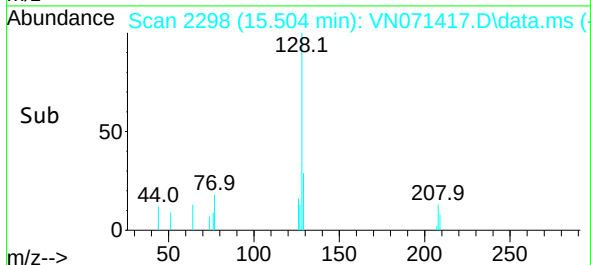
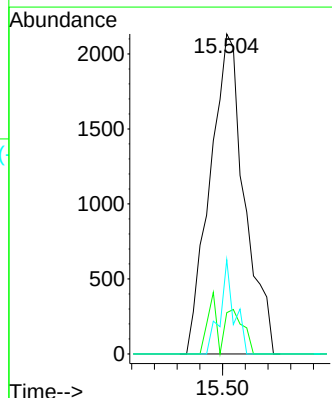
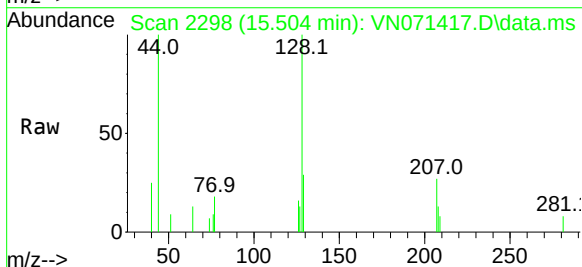
Tgt Ion:128 Resp: 4492

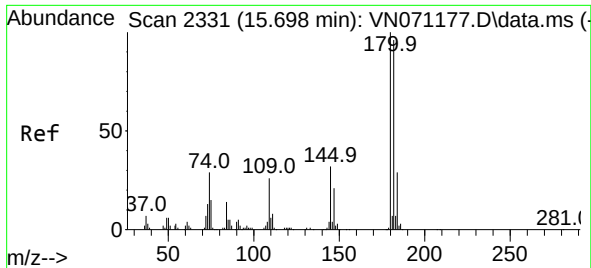
Ion Ratio Lower Upper

128 100

127 7.4 10.5 15.7#

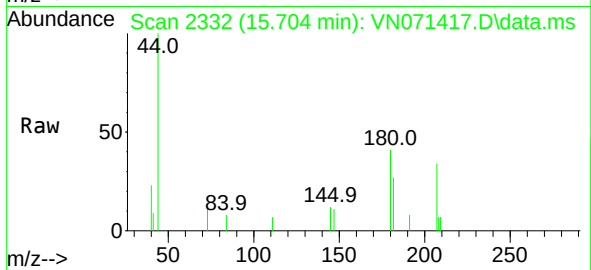
129 12.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.992 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071417.D
 Acq: 21 Mar 2022 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.4	47.4	142.2
145	10.8	15.0	45.1

