

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063022\
 Data File : VN073258.D
 Acq On : 30 Jun 2022 11:10
 Operator : JC\MD
 Sample : VN0630WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 01 08:06:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

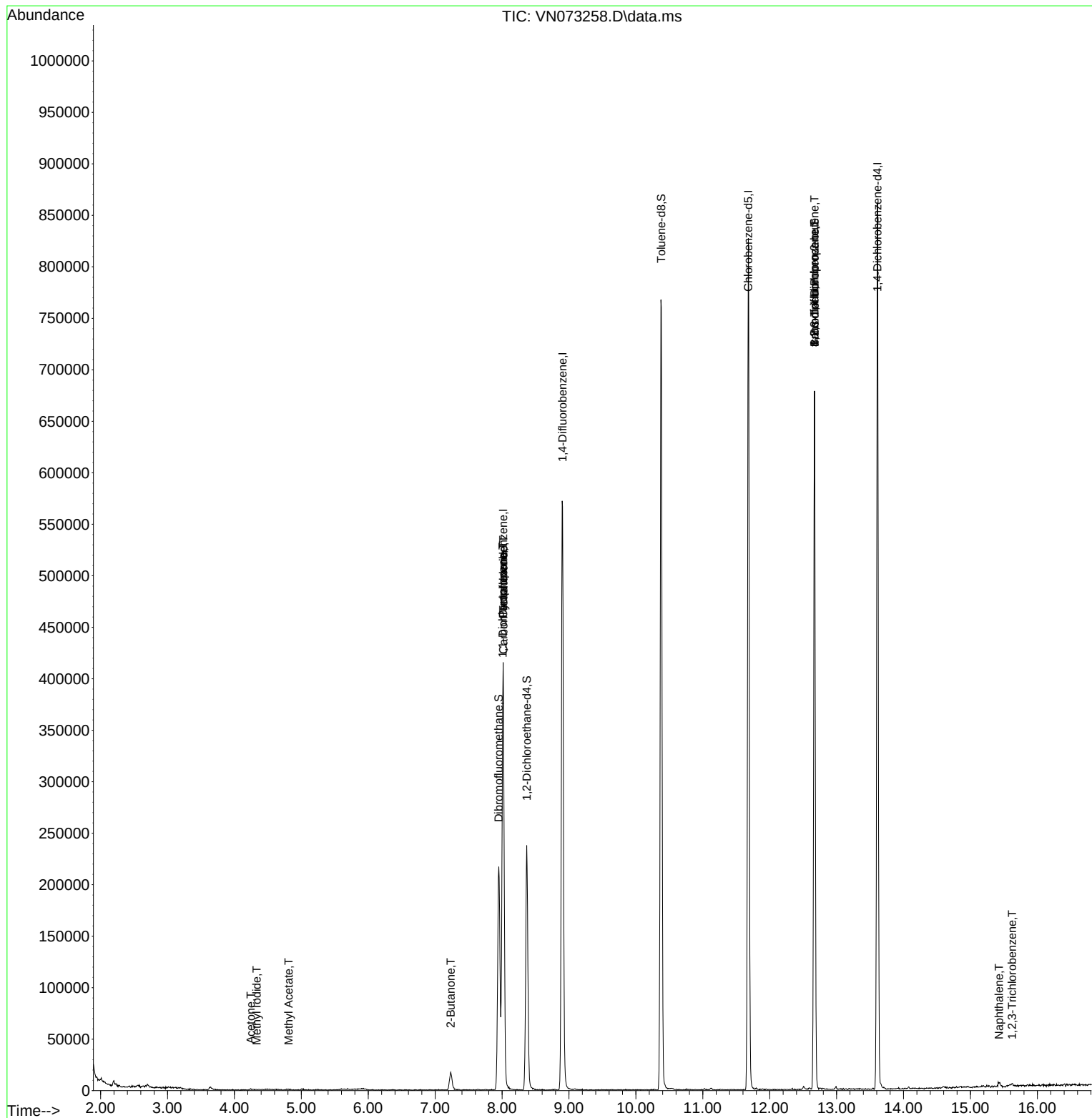
Internal Standards						
1) Pentafluorobenzene	8.016	168	308315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	516790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	468261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	221106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	198872	44.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.360%
35) Dibromofluoromethane	7.951	113	166447	48.410	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.820%
50) Toluene-d8	10.380	98	536435	43.928	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.860%
62) 4-Bromofluorobenzene	12.668	95	234220	49.910	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.820%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.334	142	76	3.750	ug/l #	44
16) Acetone	4.245	43	1655	0.662	ug/l #	42
18) Methyl Acetate	4.810	43	1542	0.220	ug/l #	56
25) 2-Butanone	7.233	43	1211	0.304	ug/l #	45
31) Cyclohexane	8.016	56	7633	1.047	ug/l #	30
36) 1,1-Dichloropropene	8.010	75	25307	4.784	ug/l #	49
38) Carbon Tetrachloride	8.022	117	31597	5.775	ug/l #	15
71) Bromoform	12.668	173	1518	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	122855	21.250	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	122855	58.277	ug/l #	10
95) Naphthalene	15.427	128	4467	0.262	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.621	180	902	0.207	ug/l	87

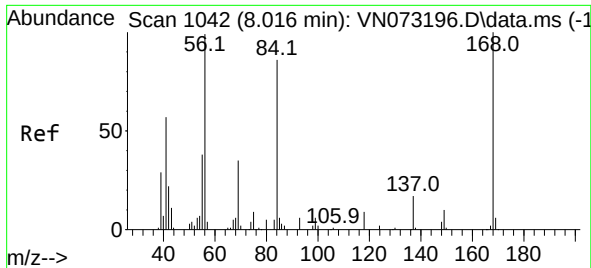
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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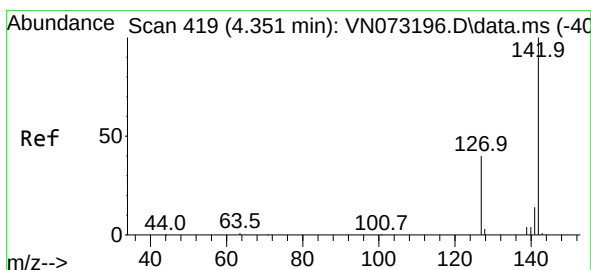
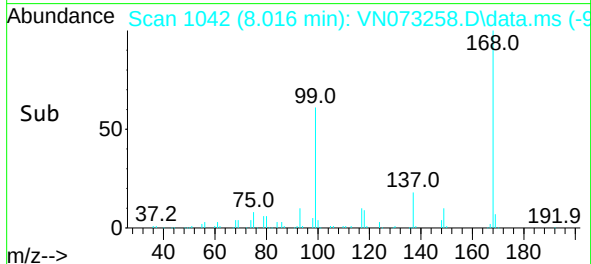
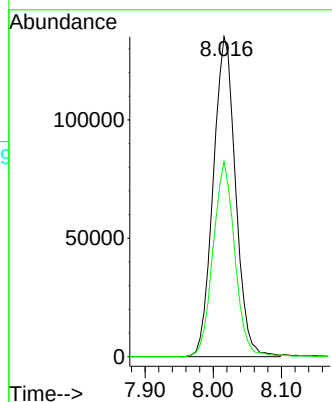
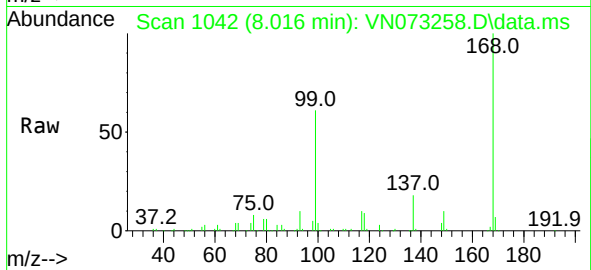




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

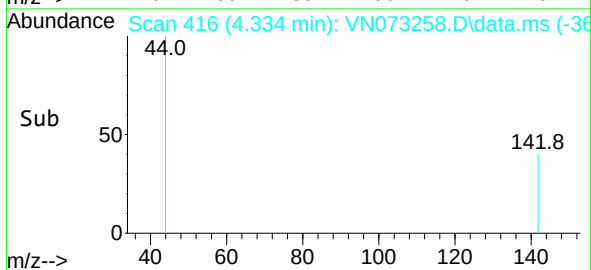
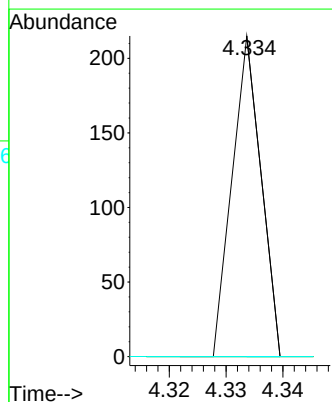
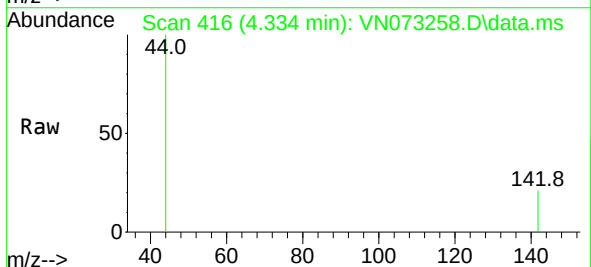
Instrument :
MSVOA_N
ClientSampleId :

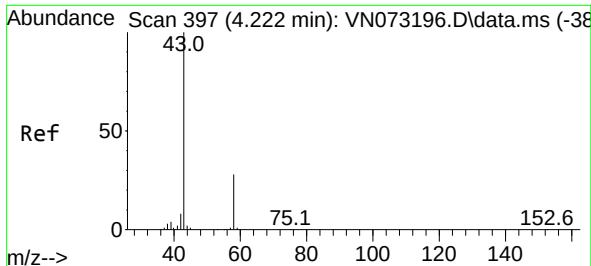
Tgt Ion:168 Resp: 308315
Ion Ratio Lower Upper
168 100
99 61.0 42.3 63.5



#10
Methyl Iodide
Concen: 3.750 ug/l
RT: 4.334 min Scan# 416
Delta R.T. -0.017 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

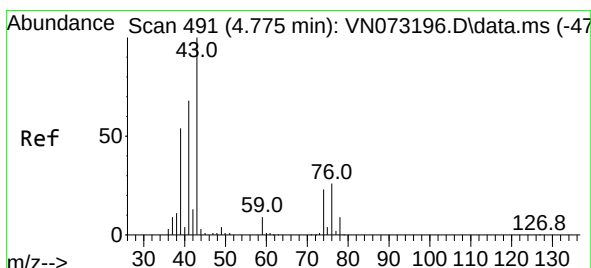
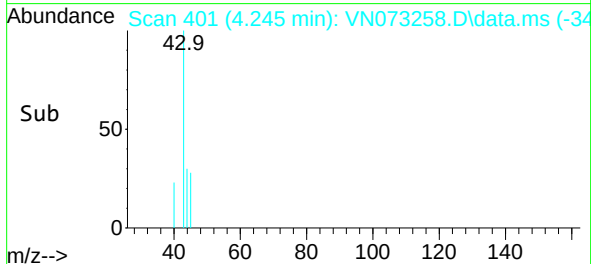
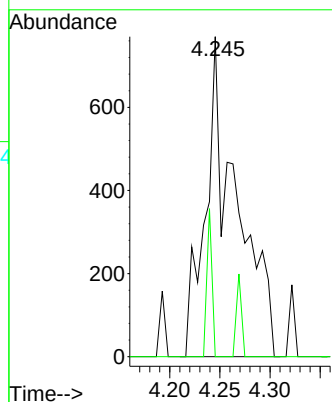
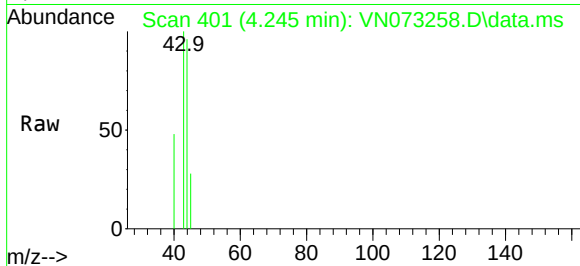




#16
Acetone
Concen: 0.662 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.023 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

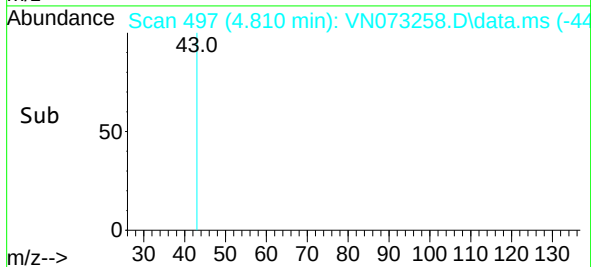
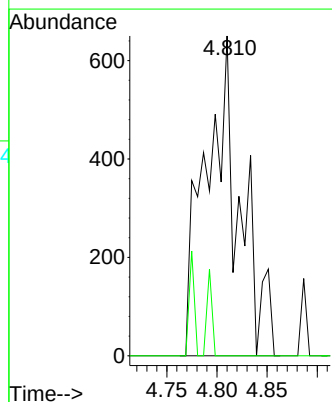
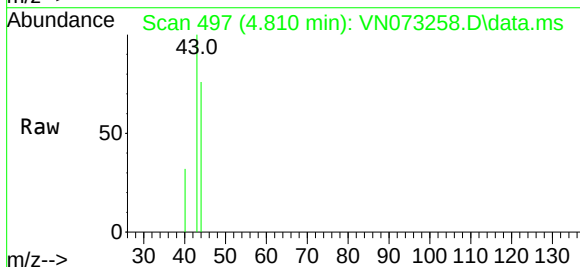
Instrument :
MSVOA_N
ClientSampleId :

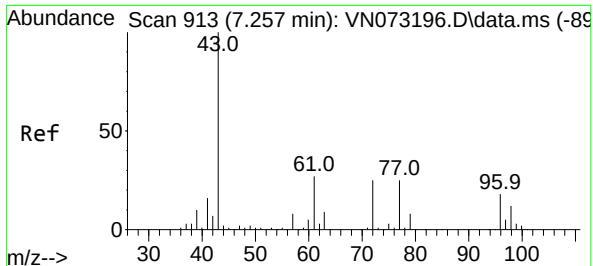
Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 4.810 min Scan# 497
Delta R.T. 0.035 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
74 4.0 21.6 32.4#





#25

2-Butanone

Concen: 0.304 ug/l

RT: 7.233 min Scan# 90

Delta R.T. -0.024 min

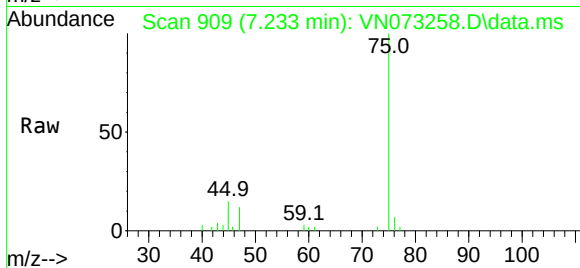
Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

Instrument :

MSVOA_N

ClientSampleId :

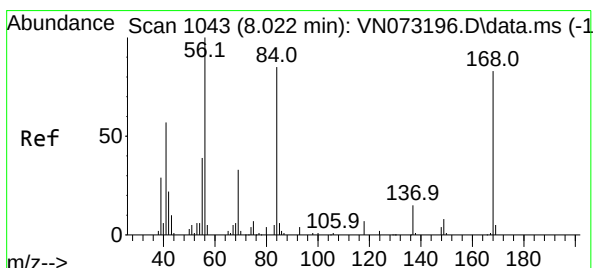
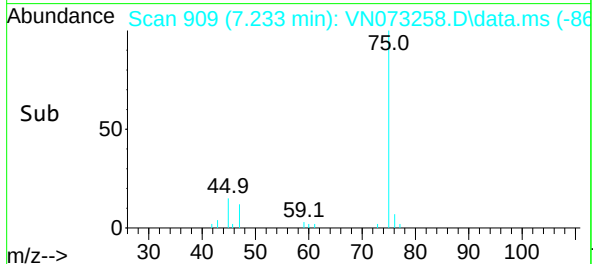
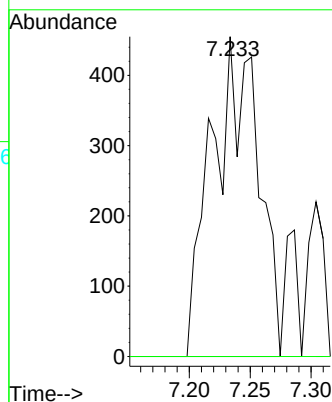


Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.047 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

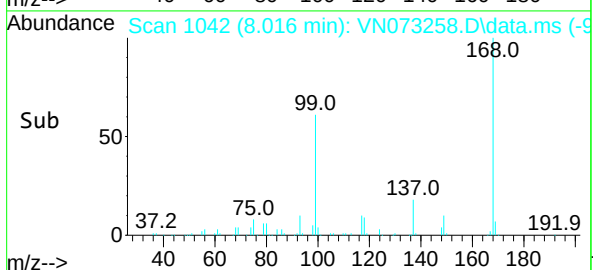
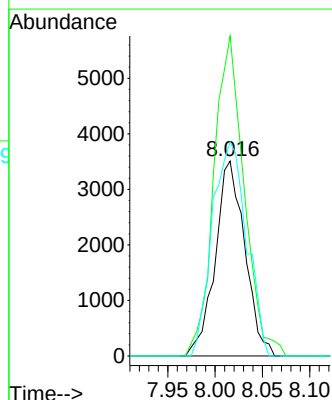
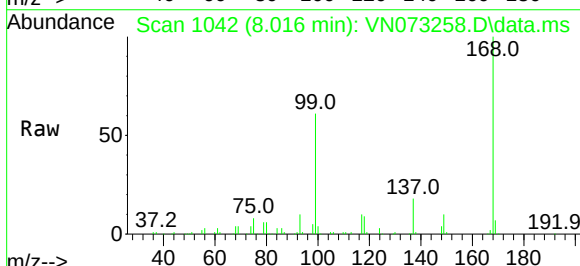
Tgt Ion: 56 Resp: 7633

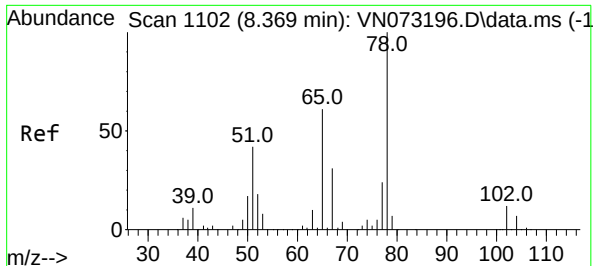
Ion Ratio Lower Upper

56 100

69 164.1 27.8 41.8#

84 109.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.682 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

Instrument :

MSVOA_N

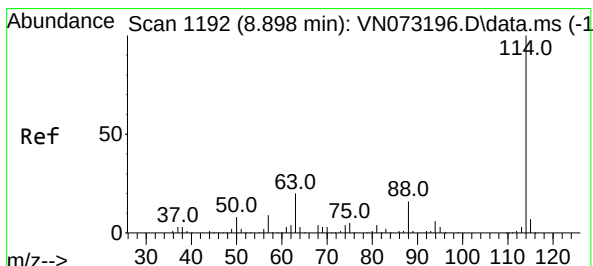
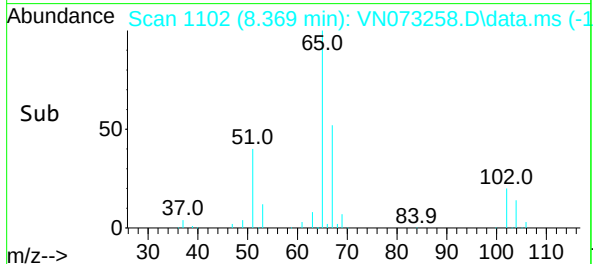
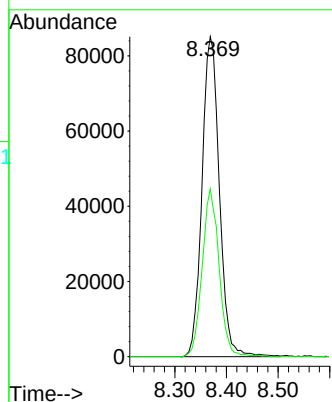
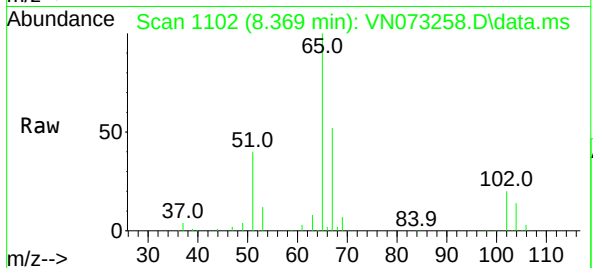
ClientSampleId :

Tgt Ion: 65 Resp: 198872

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

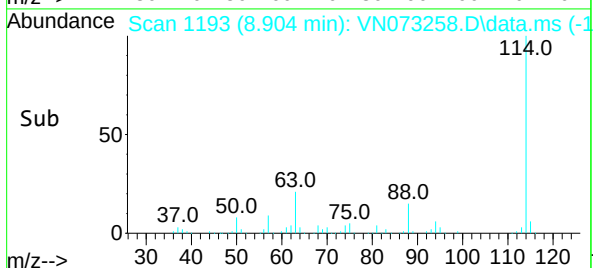
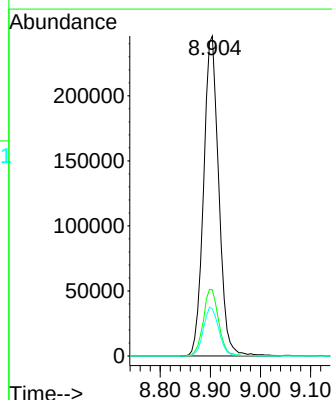
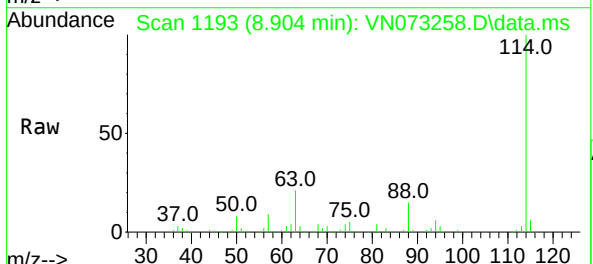
Tgt Ion: 114 Resp: 516790

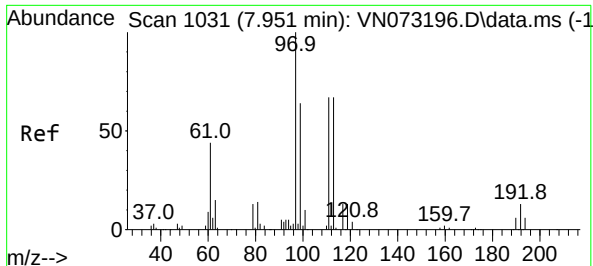
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 14.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.410 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

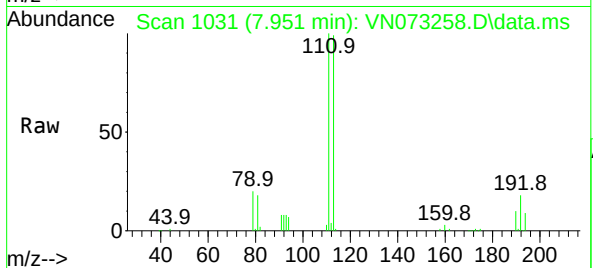
Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

Instrument :

MSVOA_N

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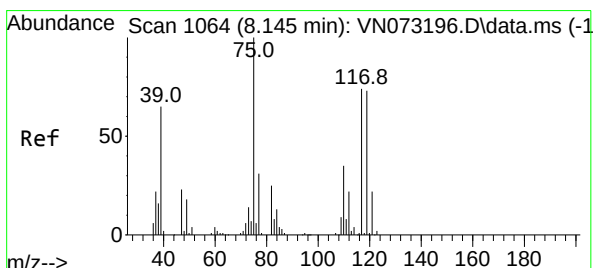
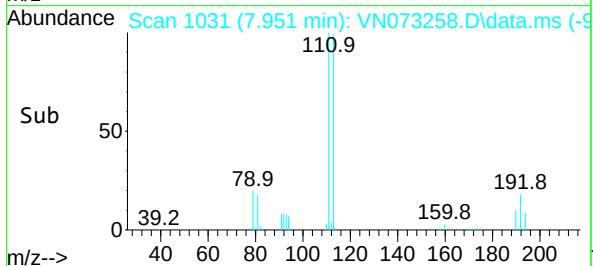
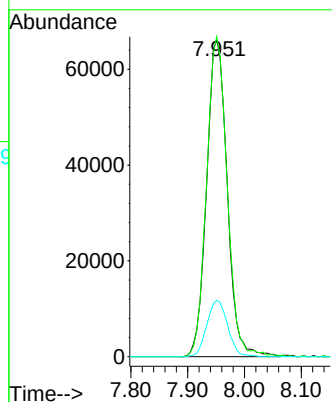
Tgt Ion: 113 Resp: 166447

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

192 18.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

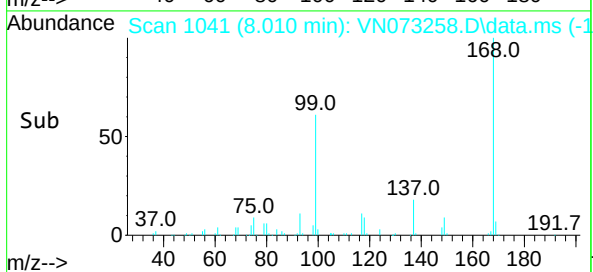
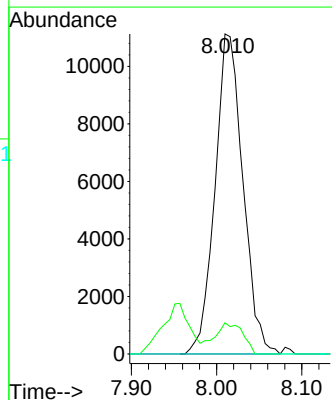
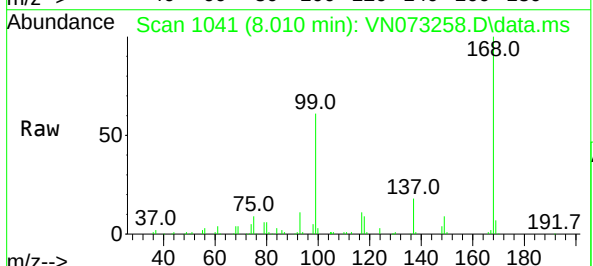
Tgt Ion: 75 Resp: 25307

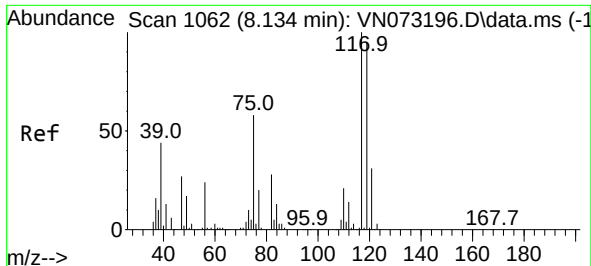
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#

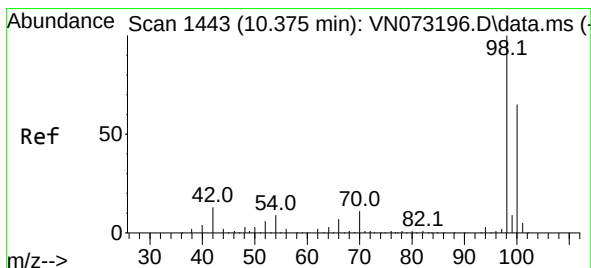
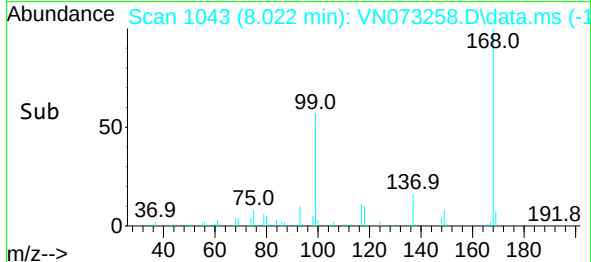
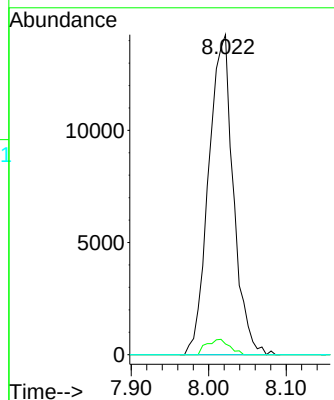
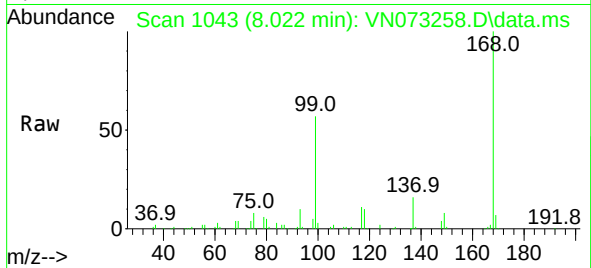




#38
Carbon Tetrachloride
Concen: 5.775 ug/l
RT: 8.022 min Scan# 1062
Delta R.T. -0.112 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

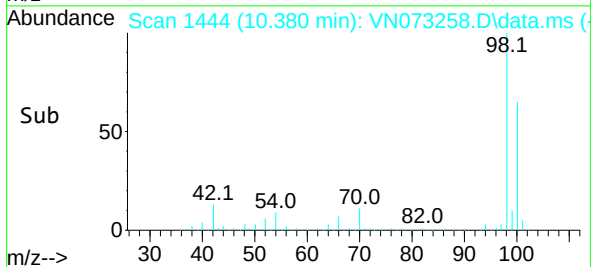
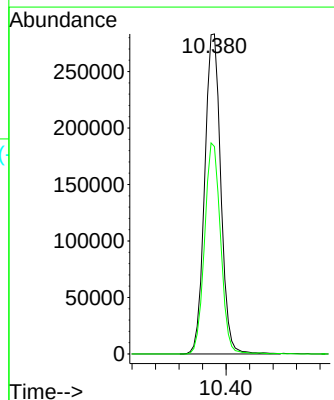
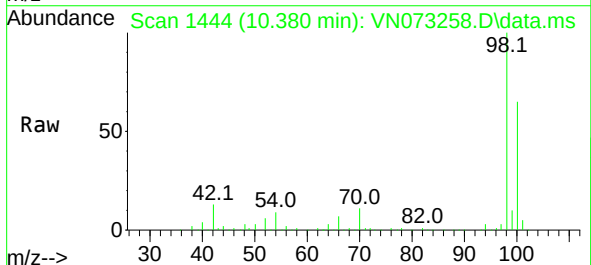
Instrument :
MSVOA_N
ClientSampleId :

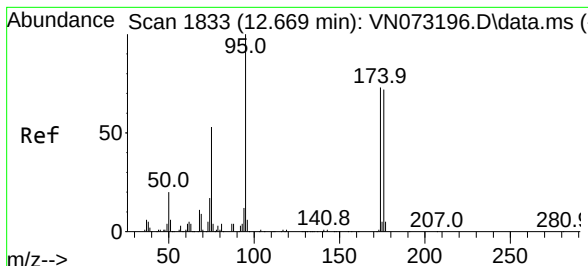
Tgt Ion:117 Resp: 31597
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 43.928 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

Tgt Ion: 98 Resp: 536435
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

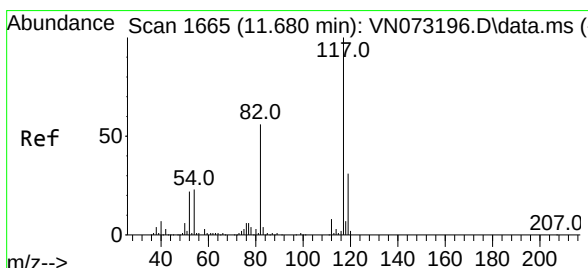
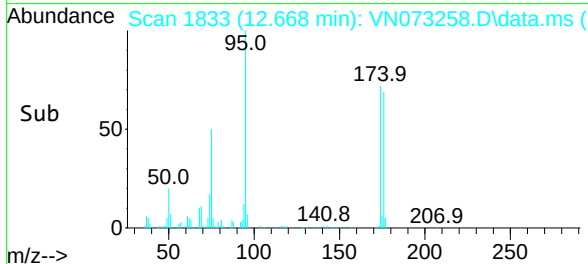
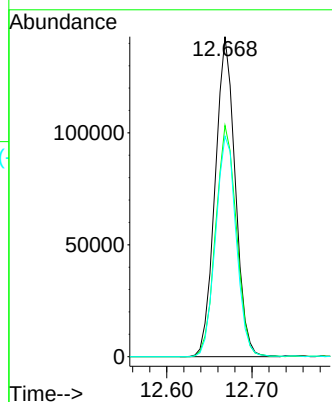
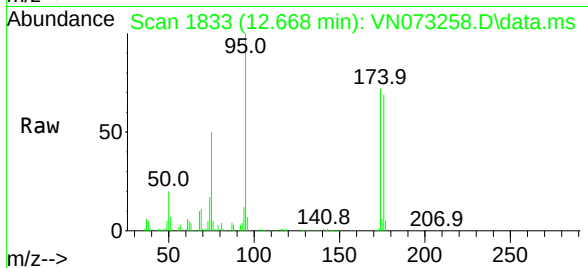




#62
4-Bromofluorobenzene
Concen: 49.910 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

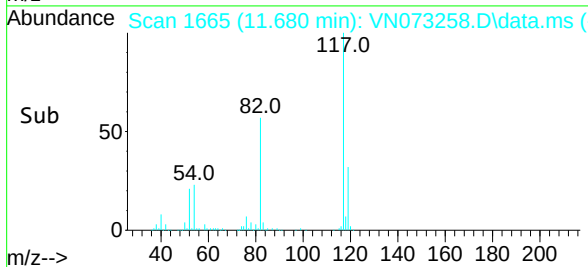
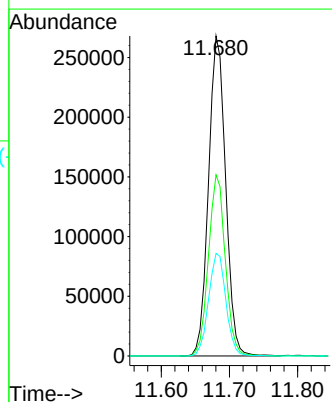
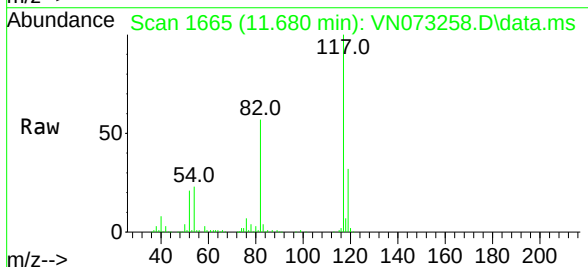
Instrument :
MSVOA_N
ClientSampleId :

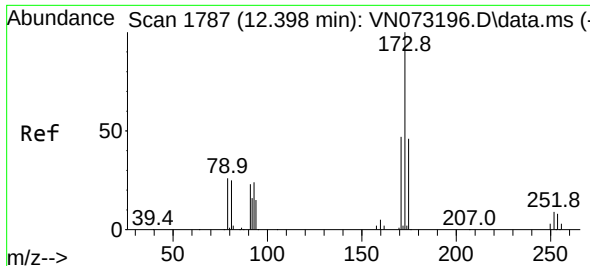
Tgt Ion: 95 Resp: 234220
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 70.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

Tgt Ion: 117 Resp: 468261
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 32.0 25.4 38.0

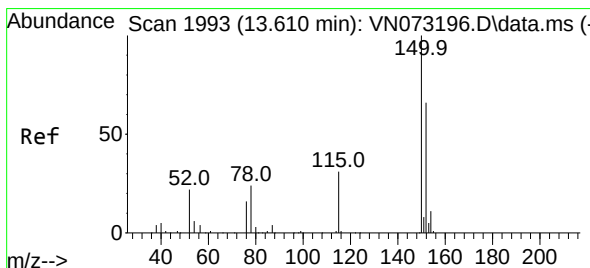
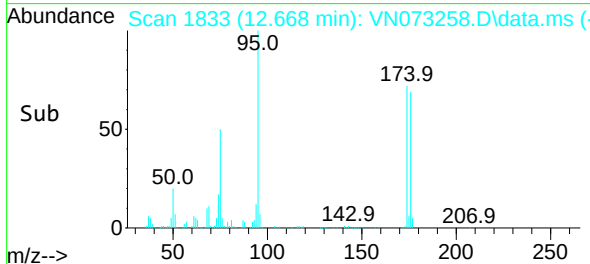
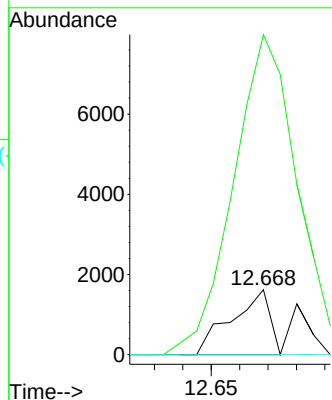
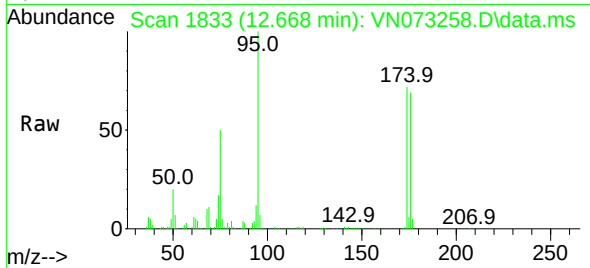




#71
Bromoform
Concen: 0.533 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

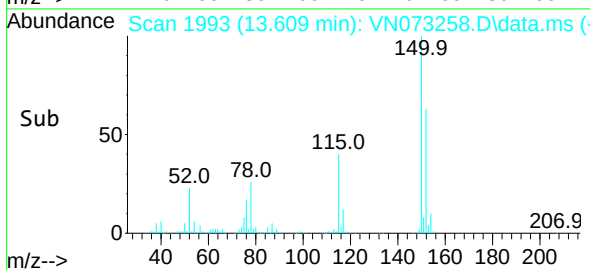
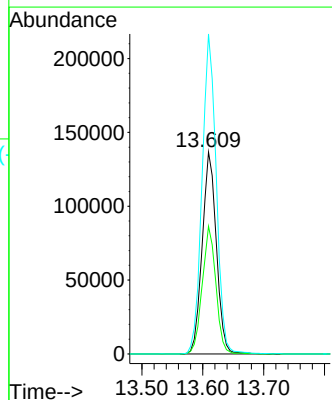
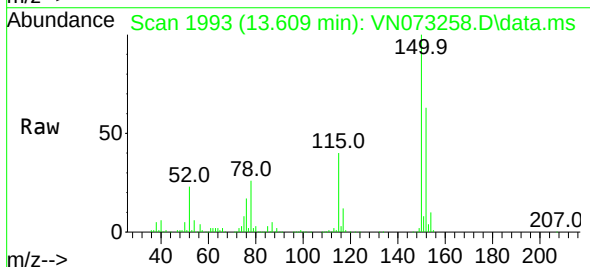
Instrument :
MSVOA_N
ClientSampleId :

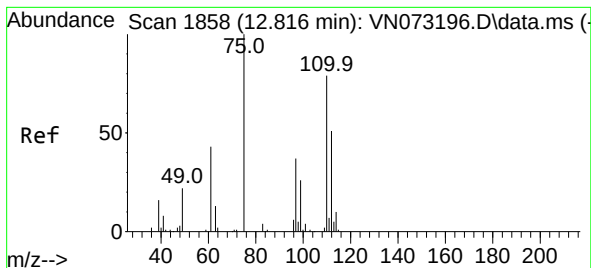
Tgt Ion:173 Resp: 1518
Ion Ratio Lower Upper
173 100
175 643.4 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.001 min
Lab File: VN073258.D
Acq: 30 Jun 2022 11:10

Tgt Ion:152 Resp: 221106
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 158.2 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 21.250 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.148 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

Instrument :

MSVOA_N

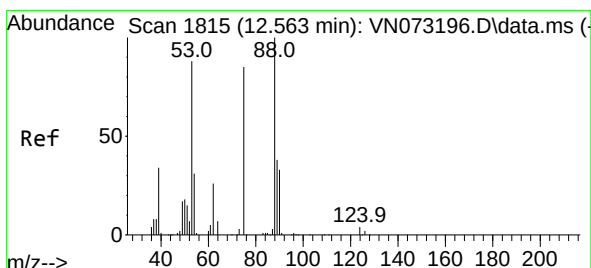
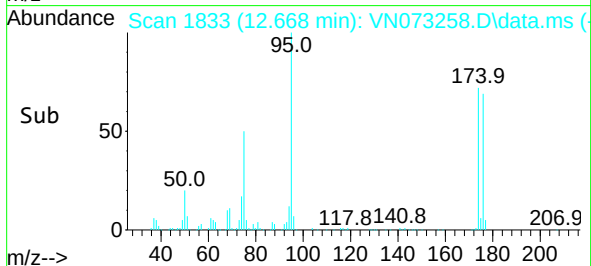
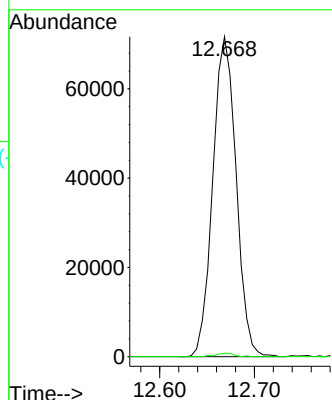
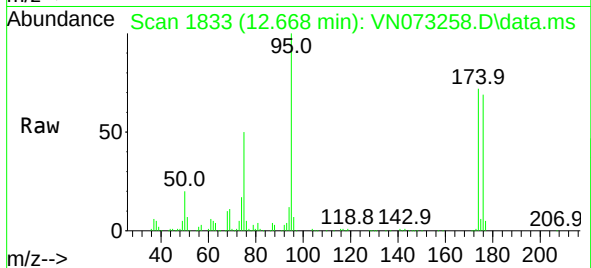
ClientSampleId :

Tgt Ion: 75 Resp: 122855

Ion Ratio Lower Upper

75 100

77 0.9 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.277 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. 0.105 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

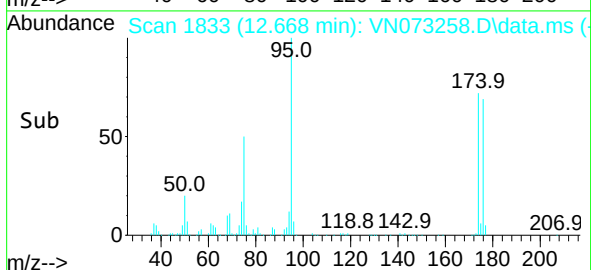
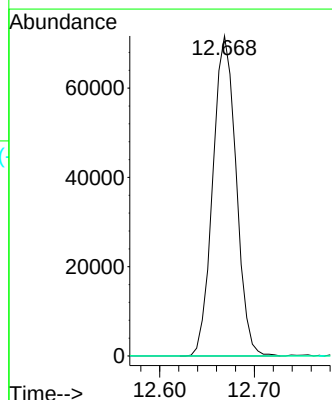
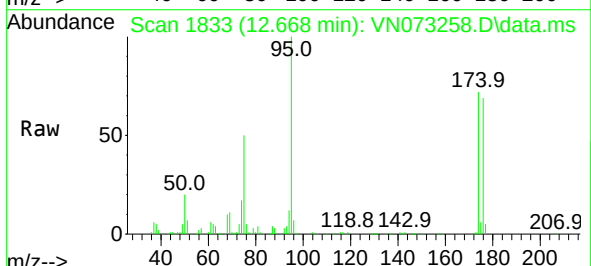
Tgt Ion: 75 Resp: 122855

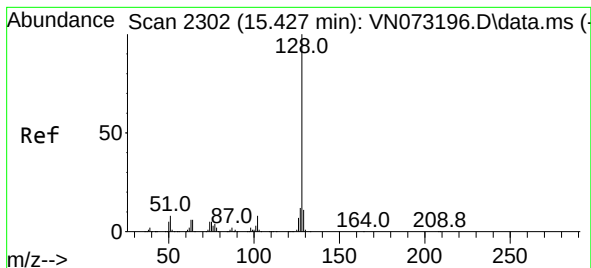
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.262 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

Instrument :

MSVOA_N

ClientSampleId :

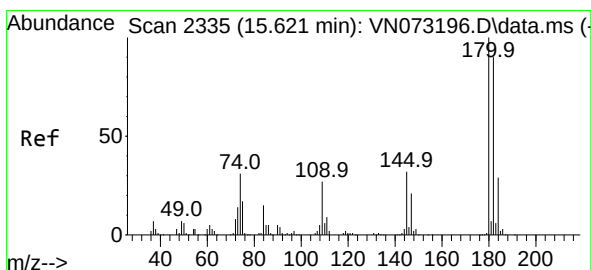
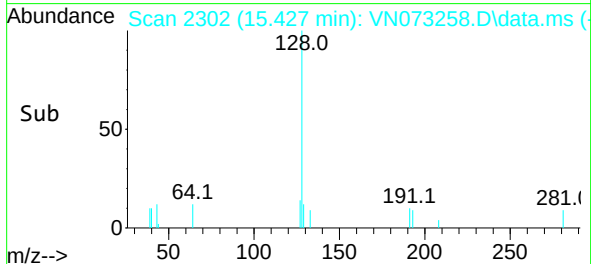
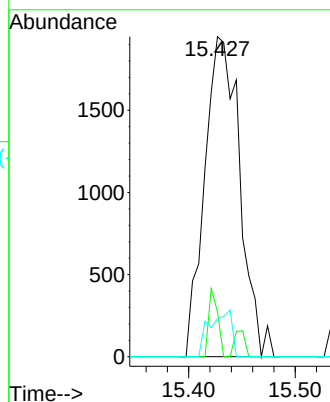
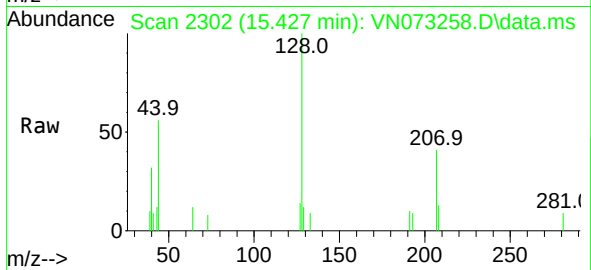
Tgt Ion:128 Resp: 4467

Ion Ratio Lower Upper

128 100

127 5.4 10.3 15.5#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.207 ug/l

RT: 15.621 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VN073258.D

Acq: 30 Jun 2022 11:10

Tgt Ion:180 Resp: 902

Ion Ratio Lower Upper

180 100

182 80.3 47.8 143.3

145 27.5 15.5 46.5

