

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073308.D
 Acq On : 05 Jul 2022 11:57
 Operator : JC\MD
 Sample : VN0705MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 06 01:12:45 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)

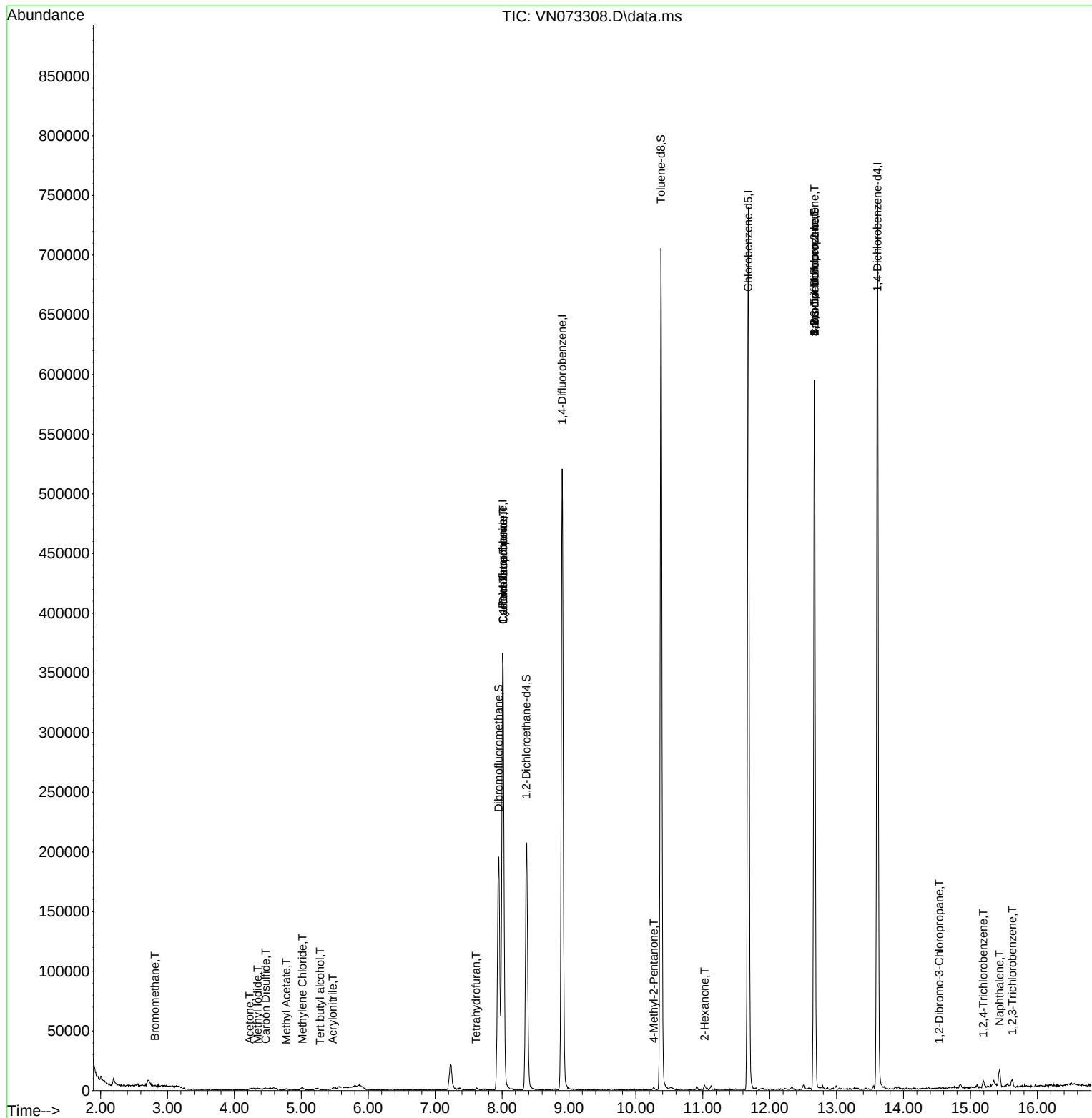
Internal Standards						
1) Pentafluorobenzene	8.010	168	275748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	458628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	415821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	195588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	175214	44.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.040%		
35) Dibromofluoromethane	7.951	113	146163	47.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.800%		
50) Toluene-d8	10.375	98	481890	44.466	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.940%		
62) 4-Bromofluorobenzene	12.669	95	205530	49.350	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.700%		
Target Compounds						Qvalue
5) Bromomethane	2.810	94	483	0.307	ug/l	89
10) Methyl Iodide	4.346	142	945	3.921	ug/l #	78
11) Tert butyl alcohol	5.281	59	200	0.207	ug/l #	72
15) Acrylonitrile	5.469	53	664	0.267	ug/l #	53
16) Acetone	4.228	43	943	0.422	ug/l #	84
17) Carbon Disulfide	4.469	76	2052	0.244	ug/l #	75
18) Methyl Acetate	4.775	43	1348	0.215	ug/l #	61
20) Methylene Chloride	5.016	84	1478	0.376	ug/l #	85
29) Tetrahydrofuran	7.610	42	1087	0.446	ug/l #	63
31) Cyclohexane	8.016	56	6063	0.930	ug/l #	7
36) 1,1-Dichloropropene	8.016	75	23039	4.907	ug/l #	50
38) Carbon Tetrachloride	8.016	117	27818	5.729	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	1995	0.309	ug/l #	80
59) 2-Hexanone	11.027	43	3782	0.767	ug/l	71
71) Bromoform	12.669	173	1804	0.713	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	108291	21.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	108291	58.070	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.533	75	358	0.263	ug/l #	22
93) 1,2,4-Trichlorobenzene	15.192	180	2147	0.575	ug/l	97
95) Naphthalene	15.433	128	14057	0.933	ug/l	98
96) 1,2,3-Trichlorobenzene	15.627	180	2463	0.639	ug/l	87

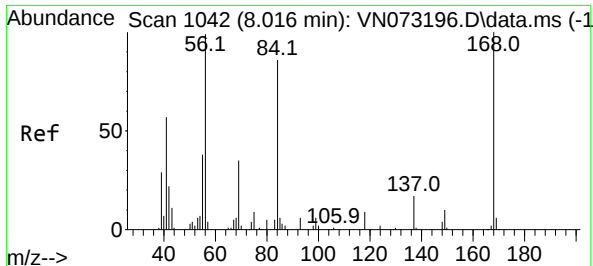
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 05 Jul 2022 11:57
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

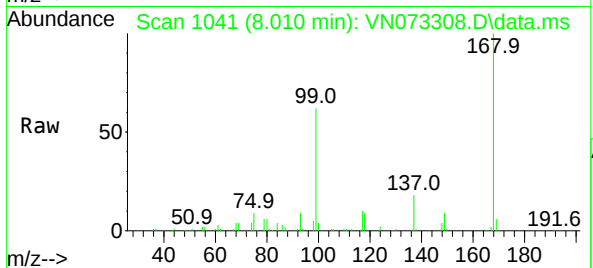
Quant Time: Jul 06 01:12:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration



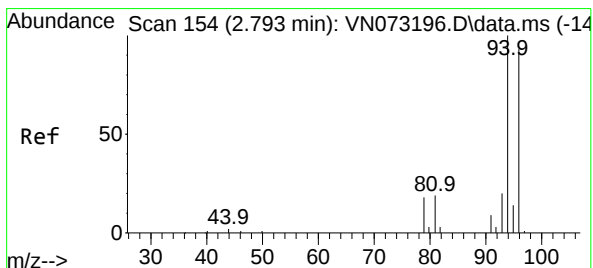
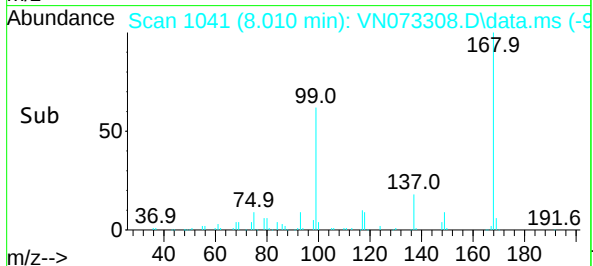
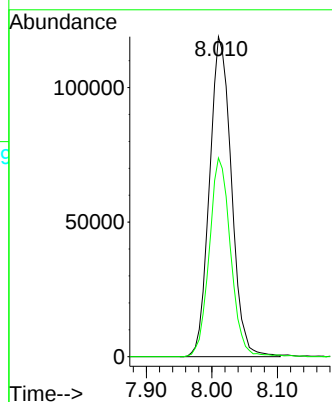


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Instrument :
MSVOA_N
ClientSampleId :

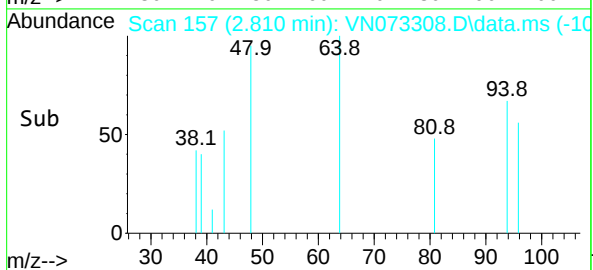
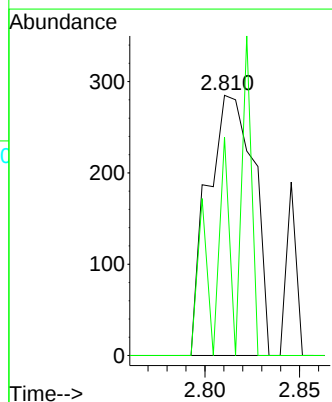
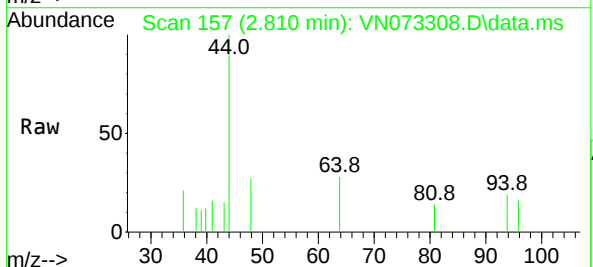


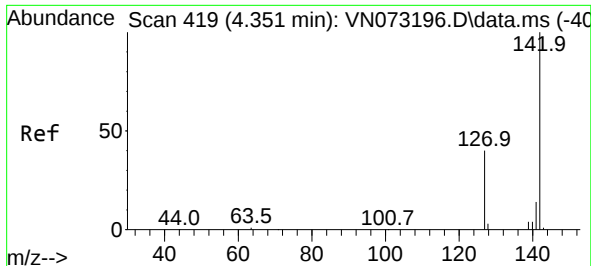
Tgt Ion:168 Resp: 275748
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5



#5
Bromomethane
Concen: 0.307 ug/l
RT: 2.810 min Scan# 157
Delta R.T. 0.017 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 83.9 76.0 114.0

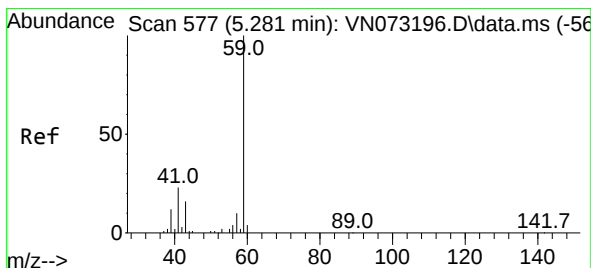
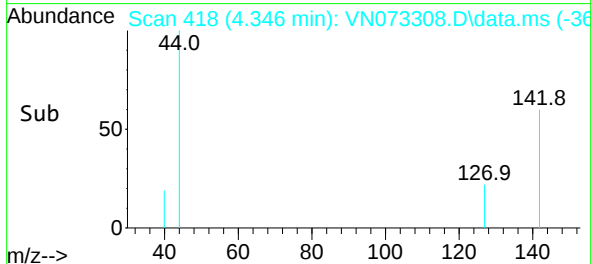
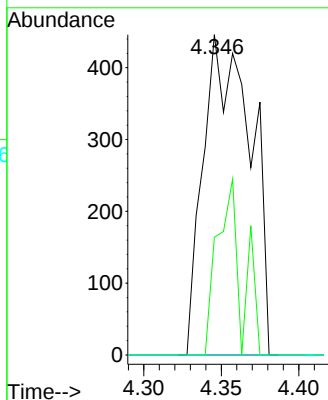
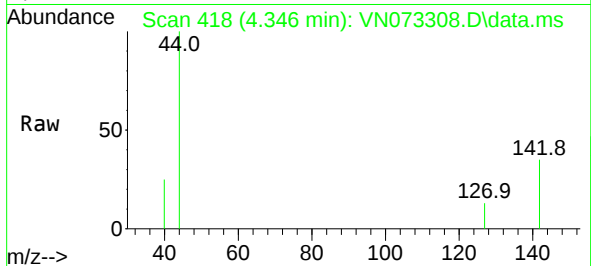




#10
Methyl Iodide
Concen: 3.921 ug/l
RT: 4.346 min Scan# 419
Delta R.T. -0.005 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

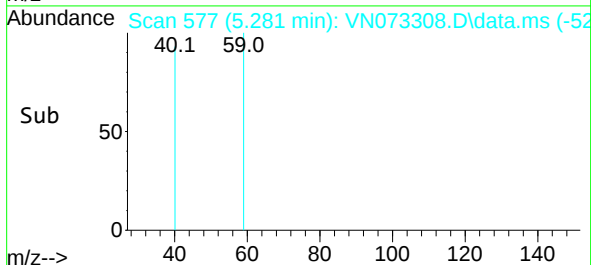
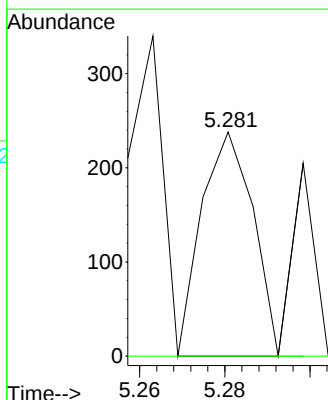
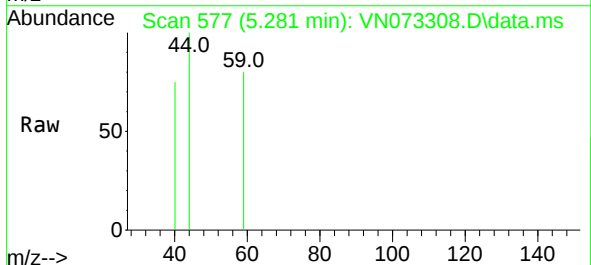
Instrument :
MSVOA_N
ClientSampleId :

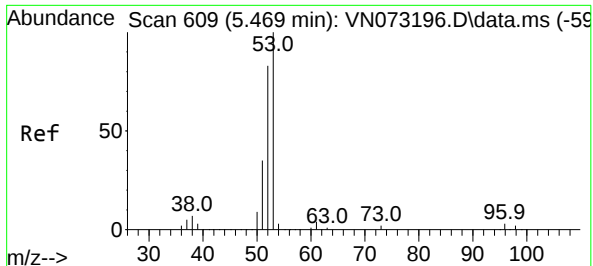
Tgt Ion:142 Resp: 945
Ion Ratio Lower Upper
142 100
127 28.5 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

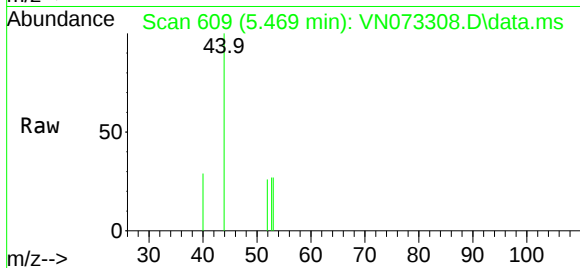
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



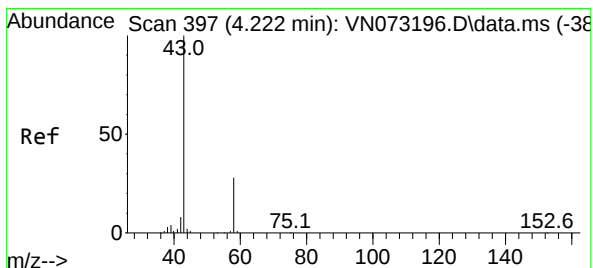
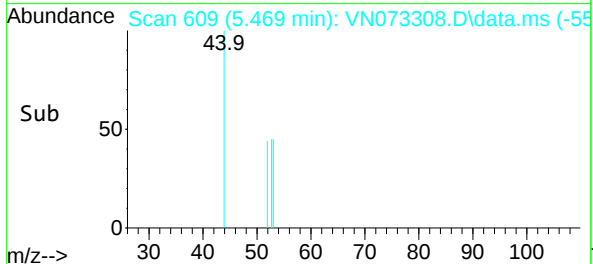
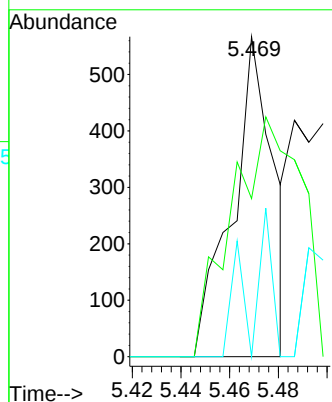


#15
Acrylonitrile
Concen: 0.267 ug/l
RT: 5.469 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Instrument :
MSVOA_N
ClientSampleId :

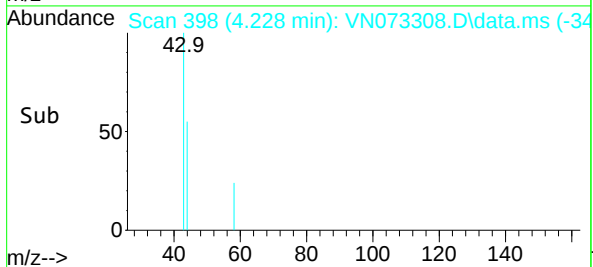
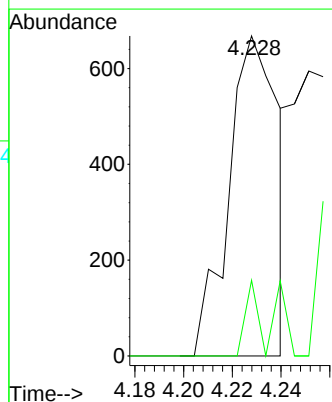
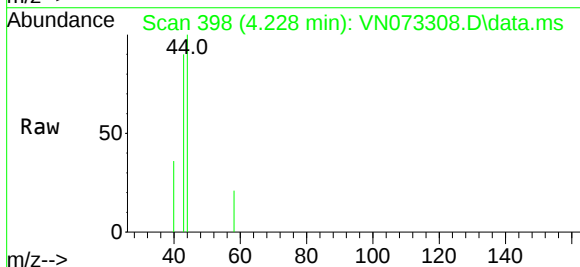


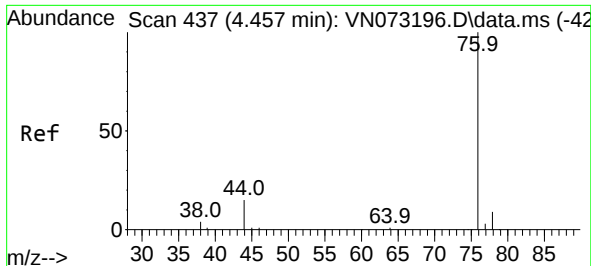
Tgt Ion: 53 Resp: 664
Ion Ratio Lower Upper
53 100
52 126.7 66.4 99.6#
51 10.8 28.5 42.7#



#16
Acetone
Concen: 0.422 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

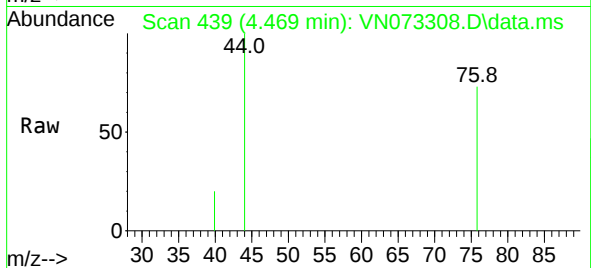
Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
58 23.7 26.0 39.0#



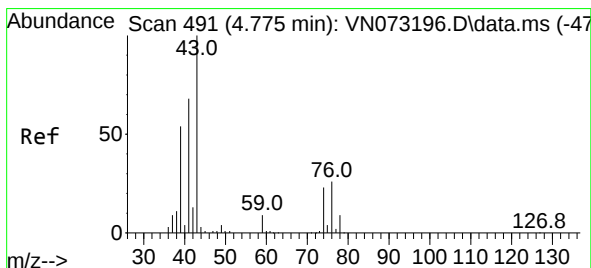
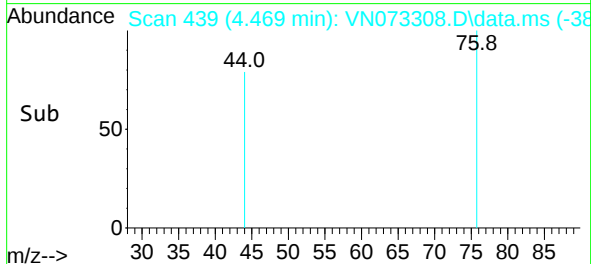
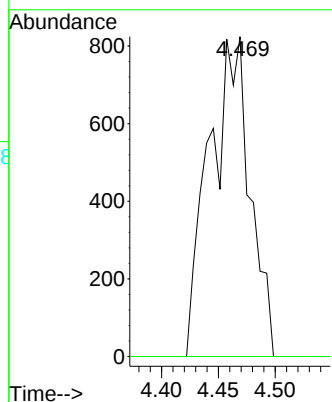


#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 4.469 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Instrument :
MSVOA_N
ClientSampleId :

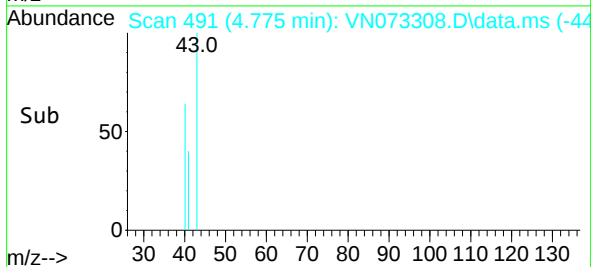
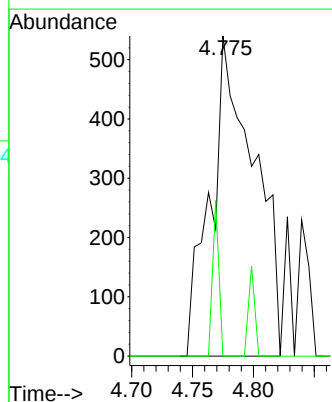
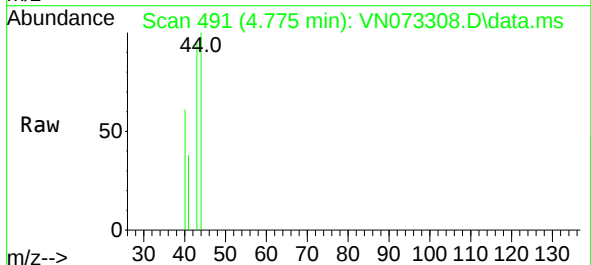


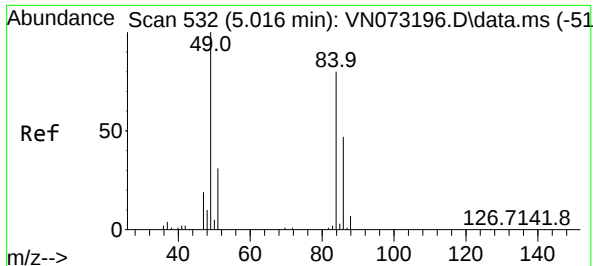
Tgt Ion: 76 Resp: 2052
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

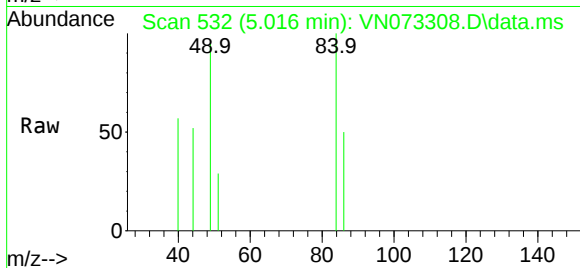
Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
74 6.8 21.6 32.4#



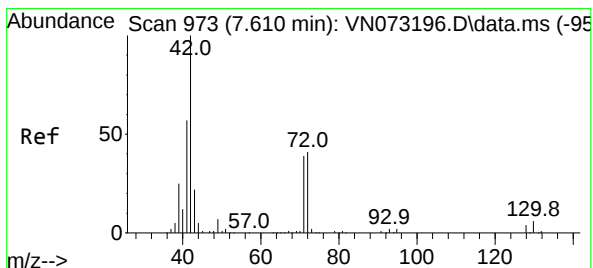
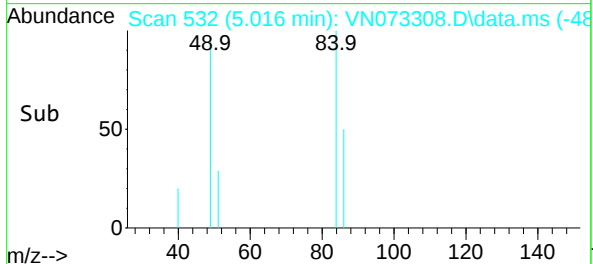
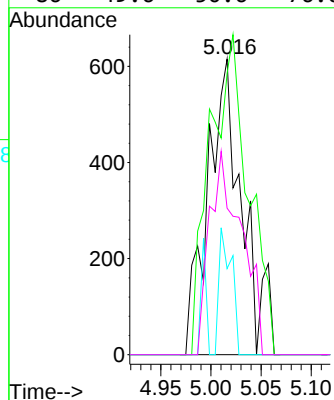


#20
Methylene Chloride
Concen: 0.376 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Instrument :
MSVOA_N
ClientSampleId :

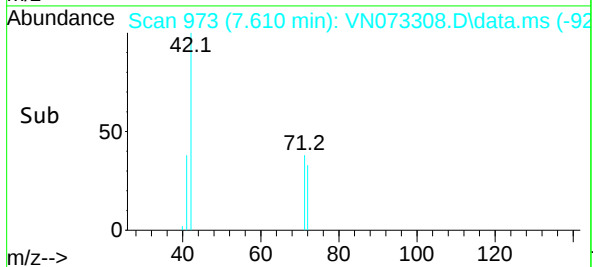
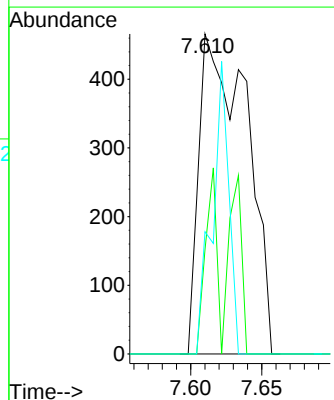
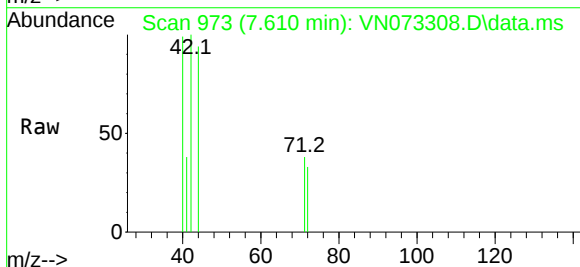


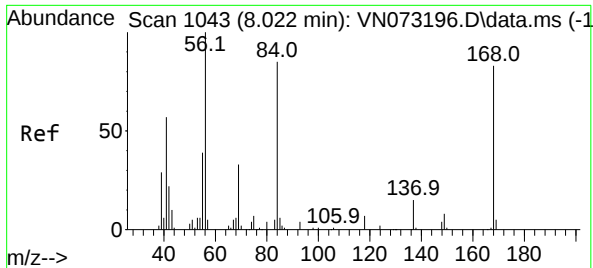
Tgt Ion: 84 Resp: 1478
Ion Ratio Lower Upper
84 100
49 95.1 88.3 132.5
51 29.1 28.2 42.2
86 49.6 50.6 76.0#



#29
Tetrahydrofuran
Concen: 0.446 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

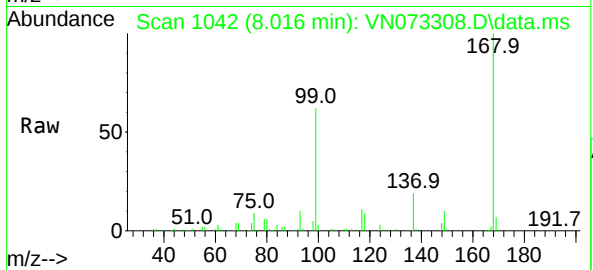
Tgt Ion: 42 Resp: 1087
Ion Ratio Lower Upper
42 100
72 13.7 39.7 59.5#
71 31.7 36.6 55.0#



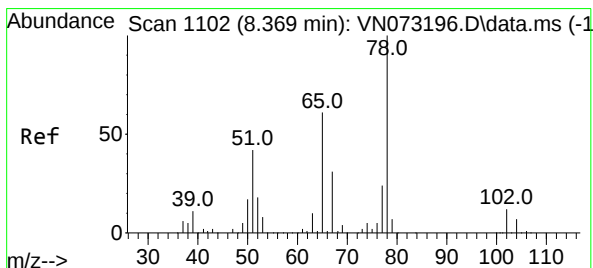
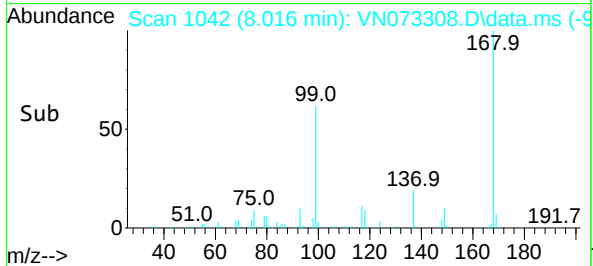
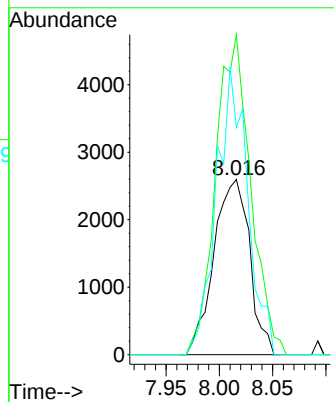


#31
Cyclohexane
Concen: 0.930 ug/l
RT: 8.016 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Instrument :
MSVOA_N
ClientSampleId :

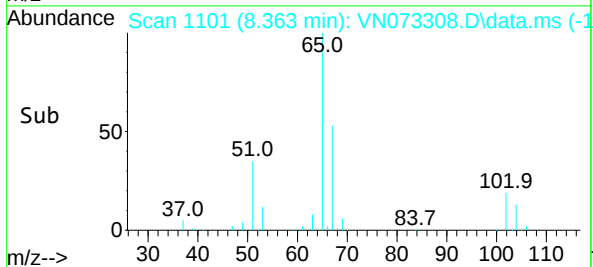
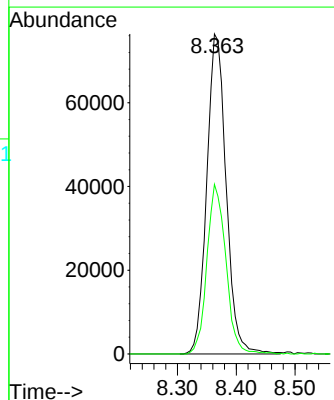
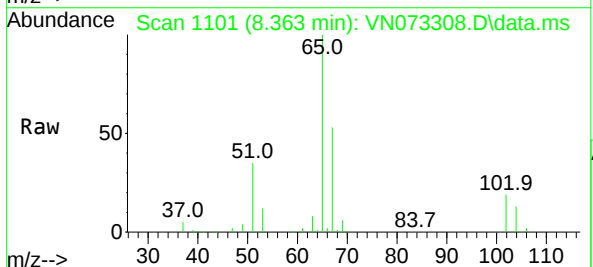


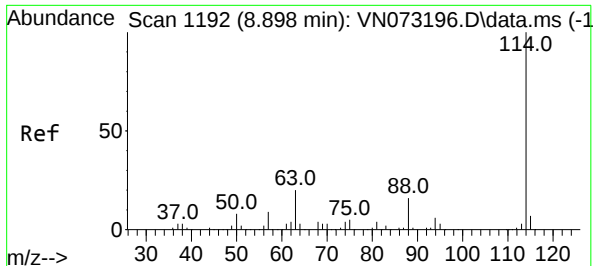
Tgt Ion: 56 Resp: 6063
Ion Ratio Lower Upper
56 100
69 182.6 27.8 41.8#
84 129.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.016 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Tgt Ion: 65 Resp: 175214
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073308.D

Acq: 05 Jul 2022 11:57

Instrument :

MSVOA_N

ClientSampleId :

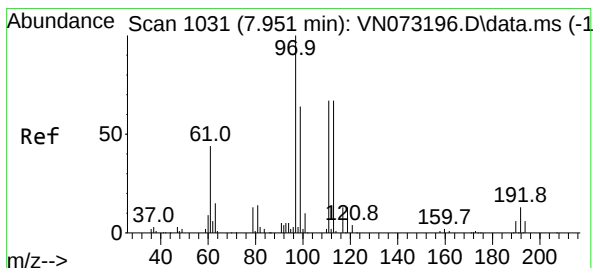
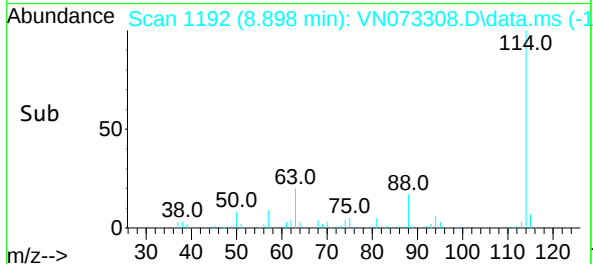
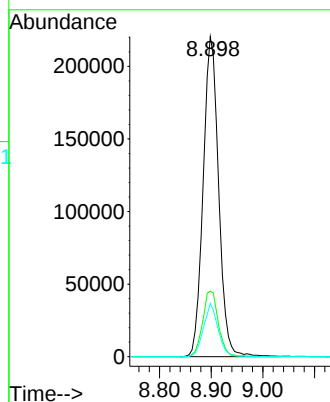
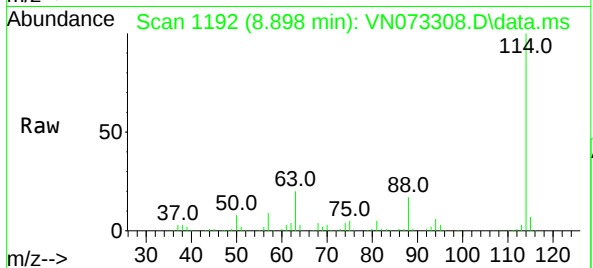
Tgt Ion:114 Resp: 458628

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.902 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073308.D

Acq: 05 Jul 2022 11:57

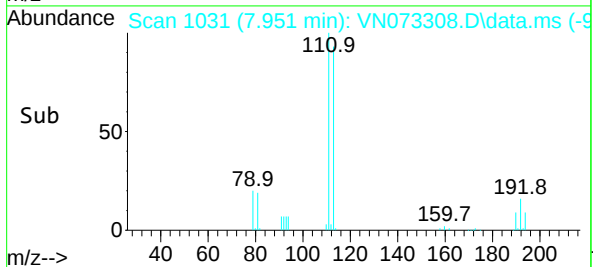
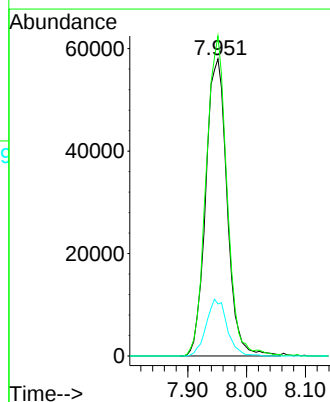
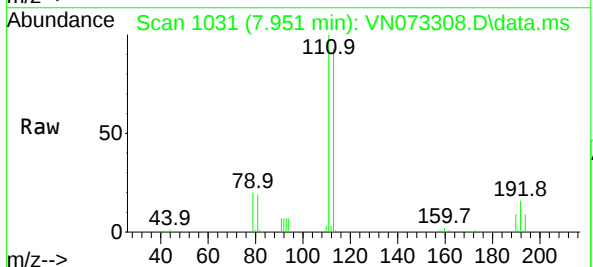
Tgt Ion:113 Resp: 146163

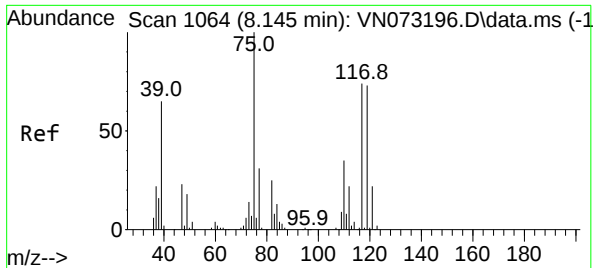
Ion Ratio Lower Upper

113 100

111 105.4 81.4 122.0

192 18.7 17.0 25.6

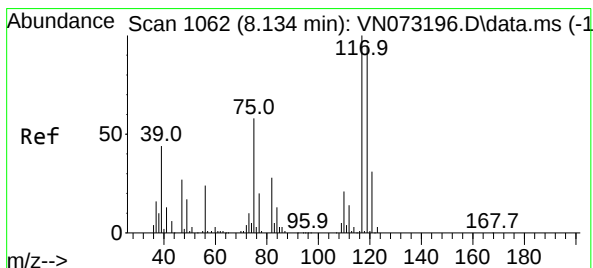
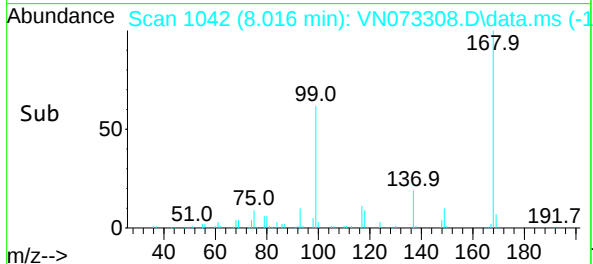
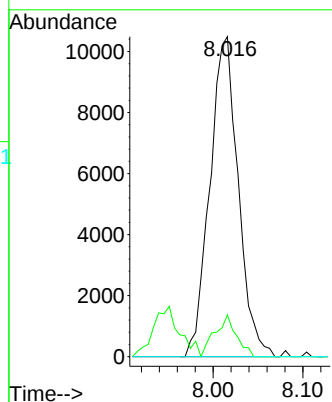
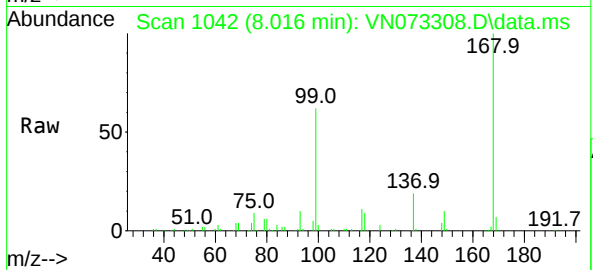




#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

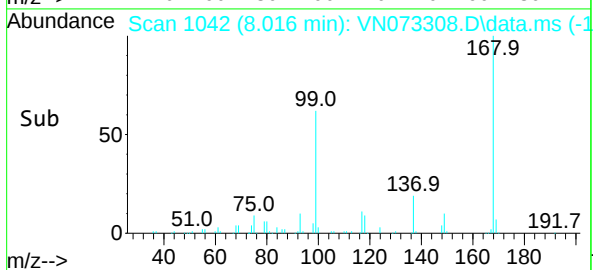
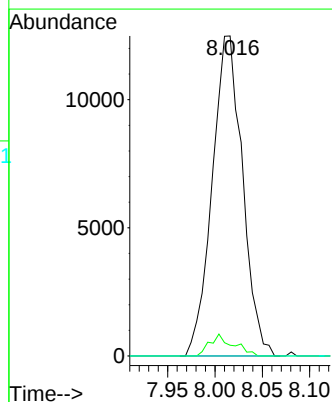
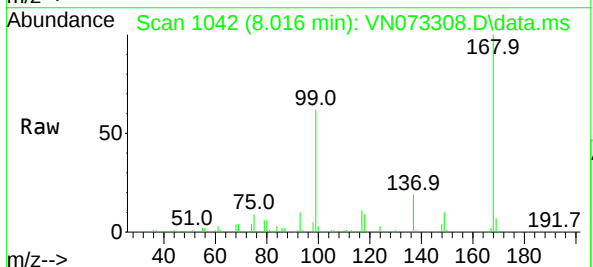
Instrument :
MSVOA_N
ClientSampleId :

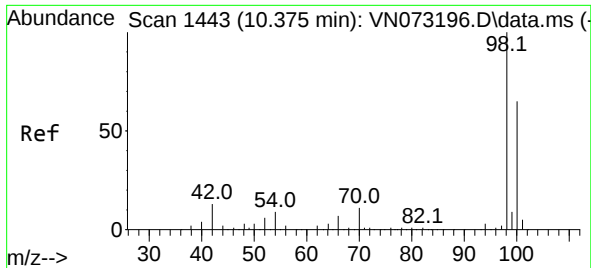
Tgt Ion: 75 Resp: 23039
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Tgt Ion: 117 Resp: 27818
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.8#
121 0.0 24.6 37.0#

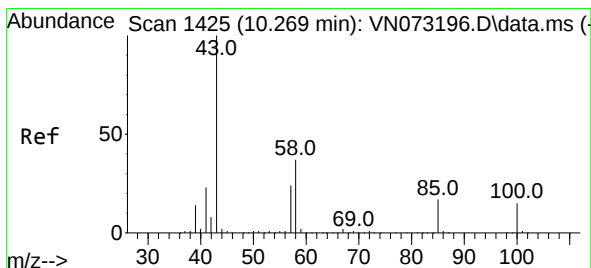
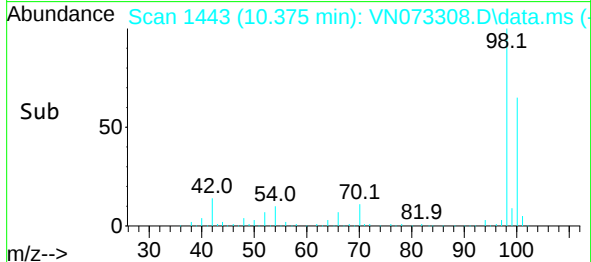
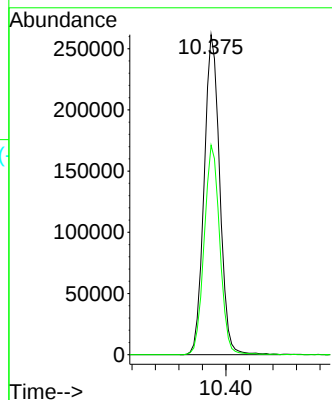
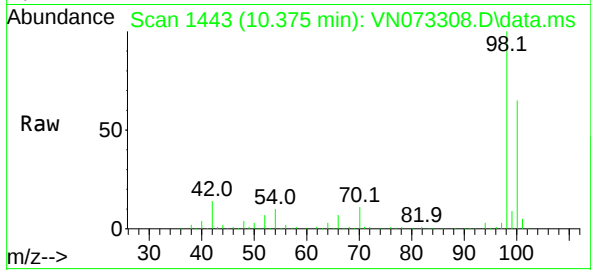




#50
Toluene-d8
Concen: 44.466 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

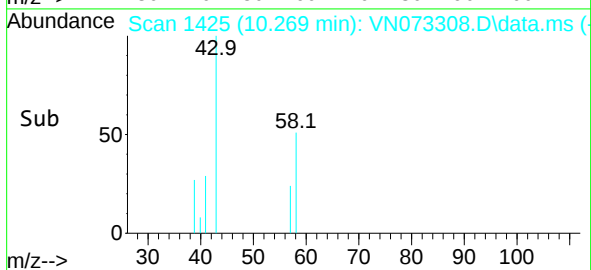
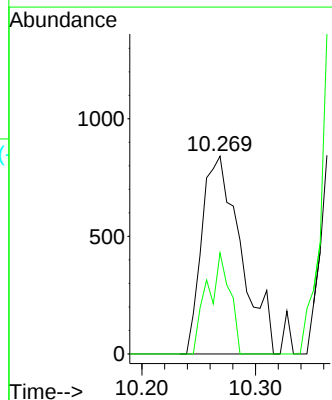
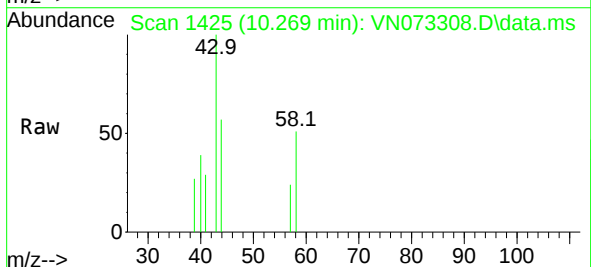
Instrument :
MSVOA_N
ClientSampleId :

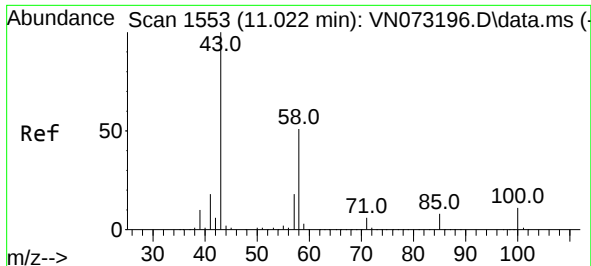
Tgt Ion: 98 Resp: 481890
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.309 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
58 29.8 34.1 51.1#

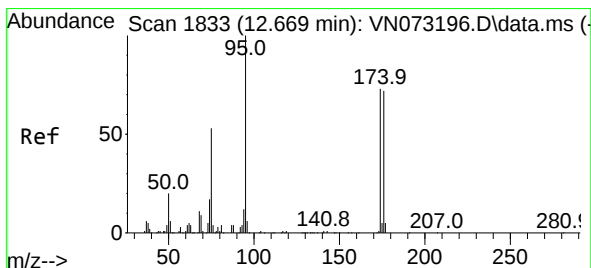
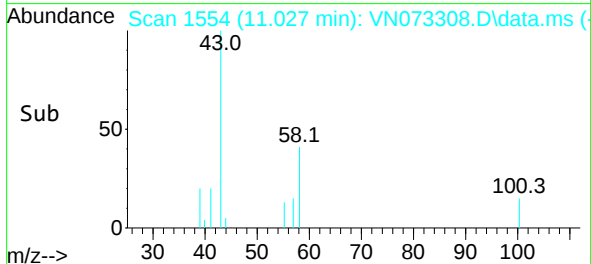
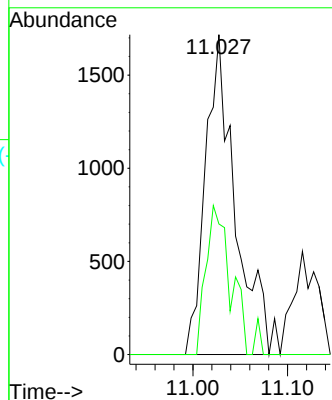
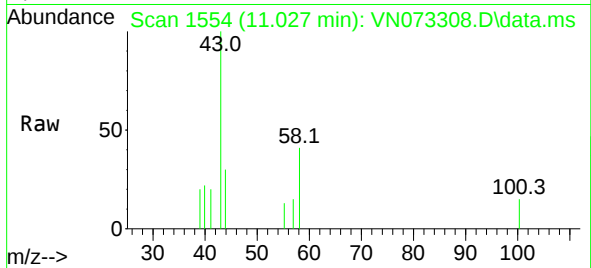




#59
2-Hexanone
Concen: 0.767 ug/l
RT: 11.027 min Scan# 1553
Delta R.T. 0.005 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

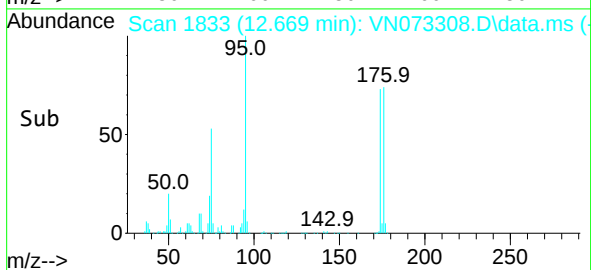
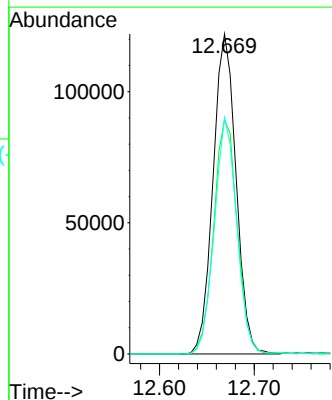
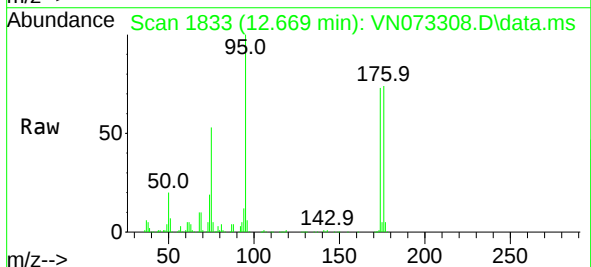
Instrument :
MSVOA_N
ClientSampleId :

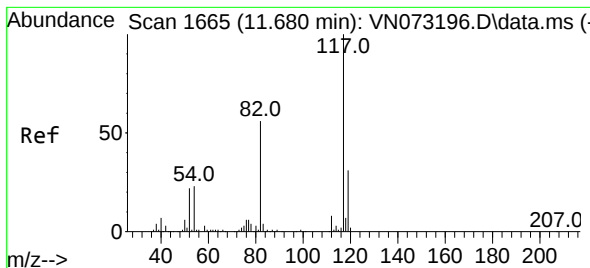
Tgt Ion: 43 Resp: 3782
Ion Ratio Lower Upper
43 100
58 37.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.350 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

Tgt Ion: 95 Resp: 205530
Ion Ratio Lower Upper
95 100
174 75.0 0.0 167.6
176 72.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

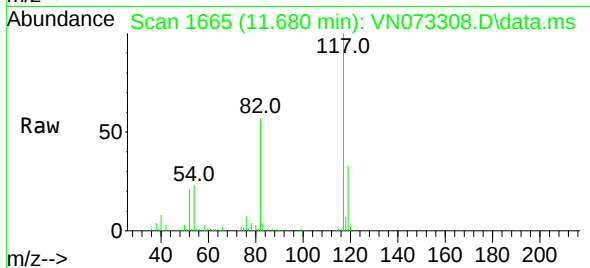
Lab File: VN073308.D

Acq: 05 Jul 2022 11:57

Instrument :

MSVOA_N

ClientSampleId :



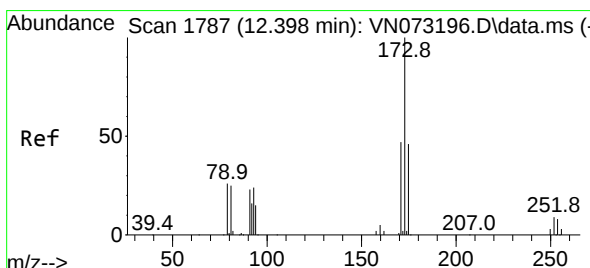
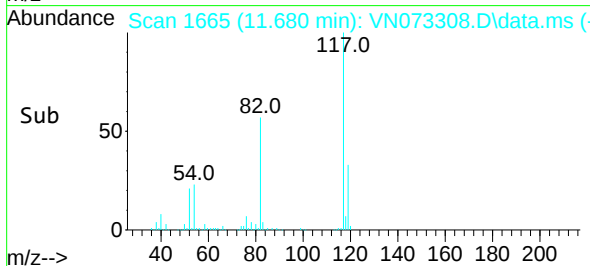
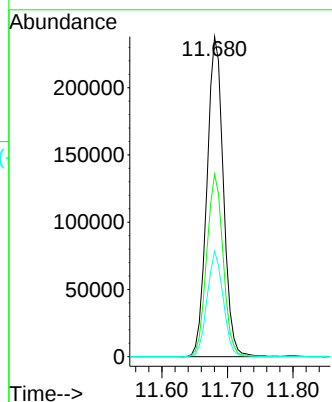
Tgt Ion:117 Resp: 415821

Ion Ratio Lower Upper

117 100

82 57.0 44.2 66.2

119 33.0 25.4 38.0



#71

Bromoform

Concen: 0.713 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN073308.D

Acq: 05 Jul 2022 11:57

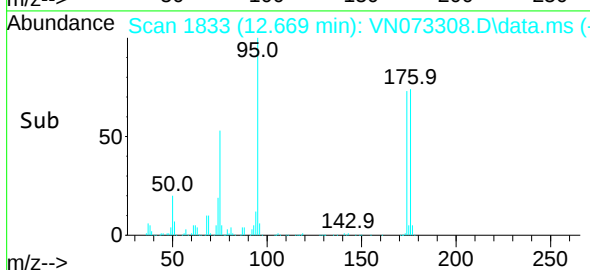
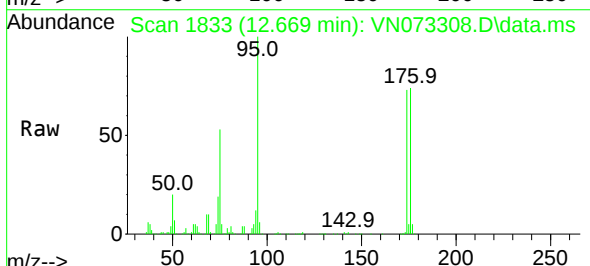
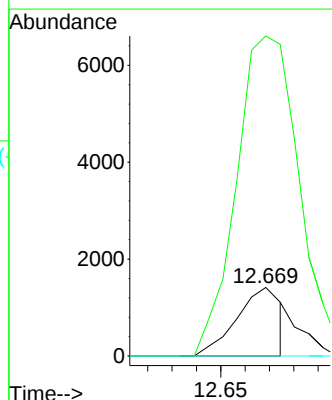
Tgt Ion:173 Resp: 1804

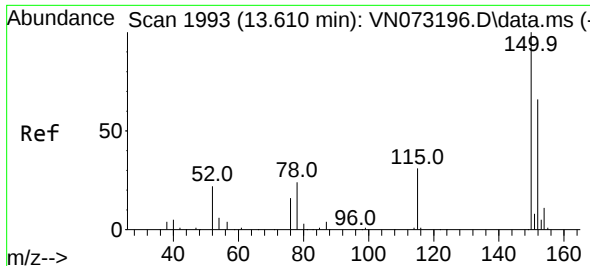
Ion Ratio Lower Upper

173 100

175 496.0 24.6 73.6#

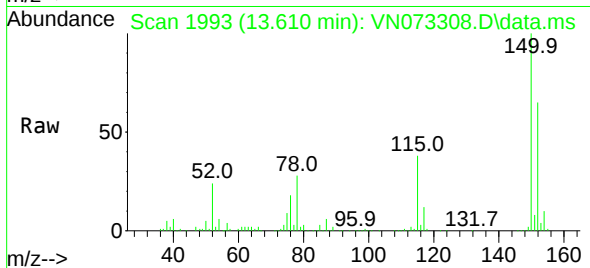
254 0.0 0.1 0.1#



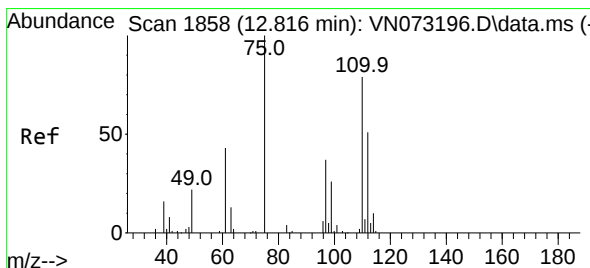
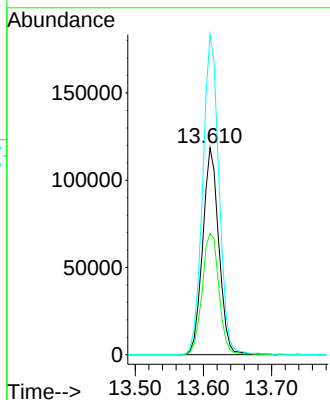
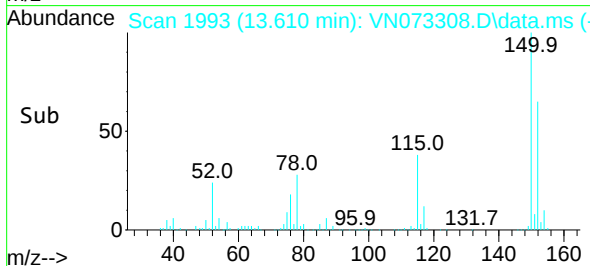


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57

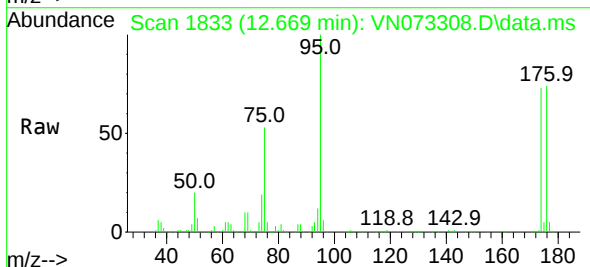
Instrument :
MSVOA_N
ClientSampleId :



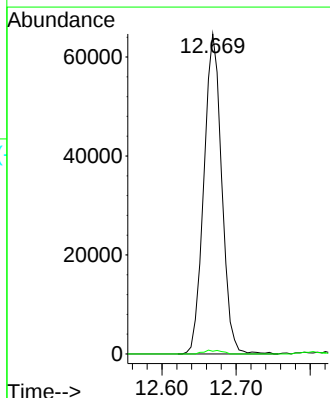
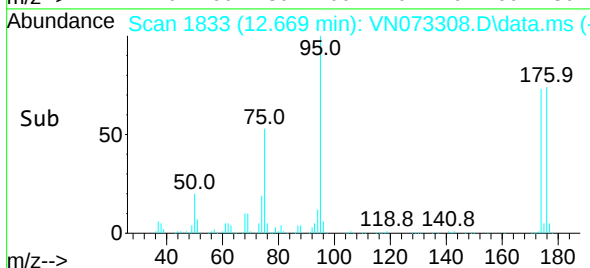
Tgt Ion:152 Resp: 195588
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 155.2 0.0 356.2

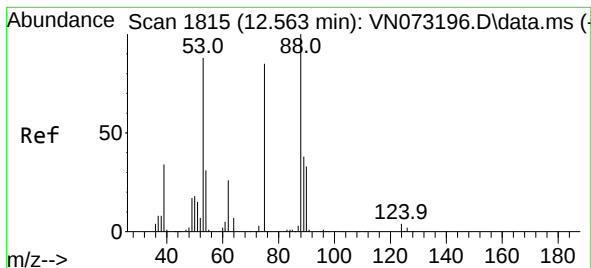


#76
1,2,3-Trichloropropane
Concen: 21.174 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073308.D
Acq: 05 Jul 2022 11:57



Tgt Ion: 75 Resp: 108291
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

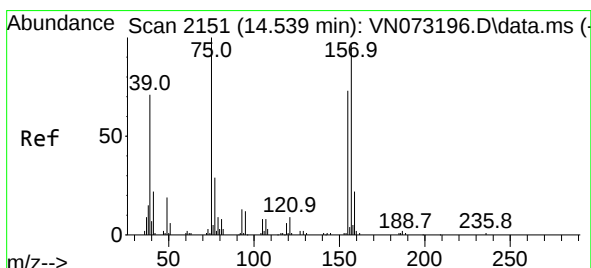
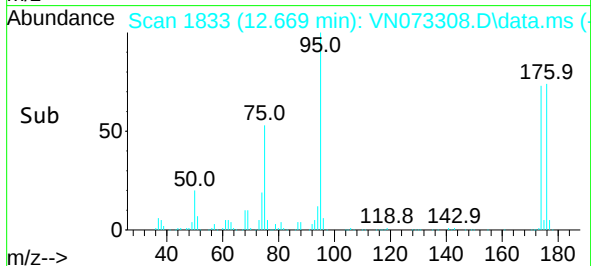
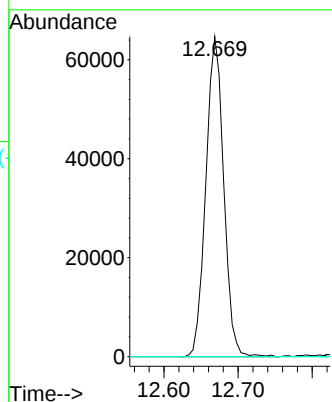
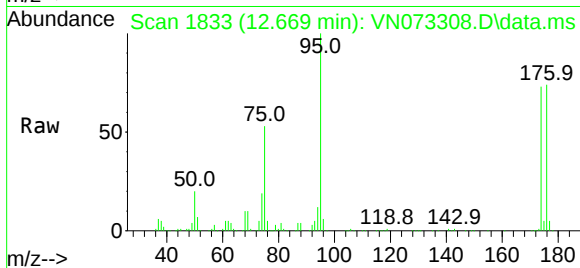




#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.070 ug/l
 RT: 12.669 min Scan# 1815
 Delta R.T. 0.105 min
 Lab File: VN073308.D
 Acq: 05 Jul 2022 11:57

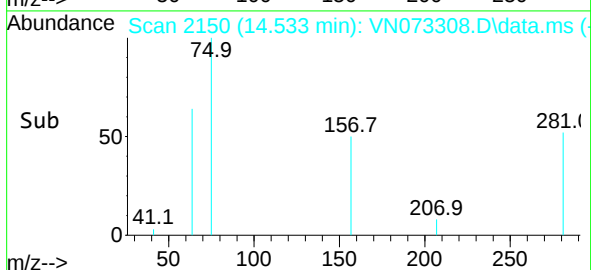
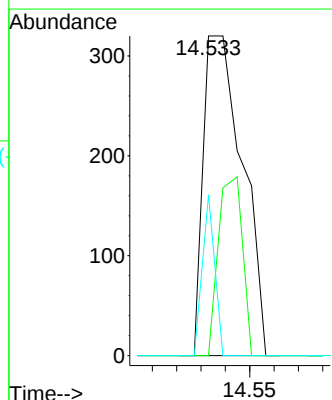
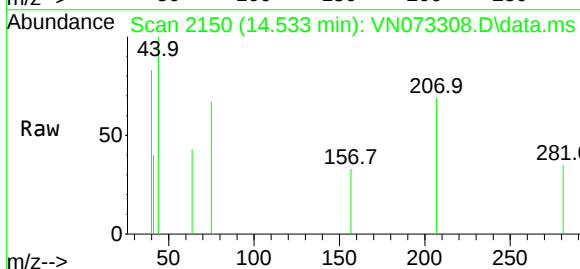
Instrument :
 MSVOA_N
 ClientSampleId :

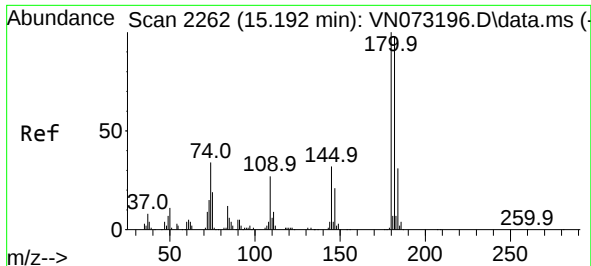
Tgt Ion: 75 Resp: 108291
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.263 ug/l
 RT: 14.533 min Scan# 2150
 Delta R.T. -0.006 min
 Lab File: VN073308.D
 Acq: 05 Jul 2022 11:57

Tgt Ion: 75 Resp: 358
 Ion Ratio Lower Upper
 75 100
 155 34.1 44.9 134.5#
 157 15.9 59.0 176.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.575 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073308.D

Acq: 05 Jul 2022 11:57

Instrument :

MSVOA_N

ClientSampleId :

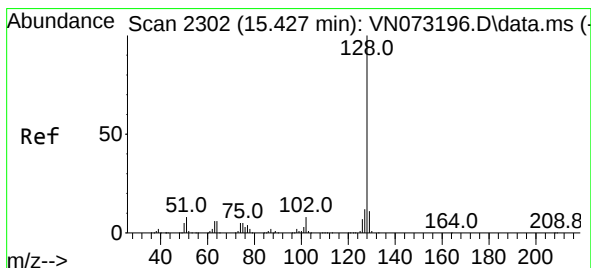
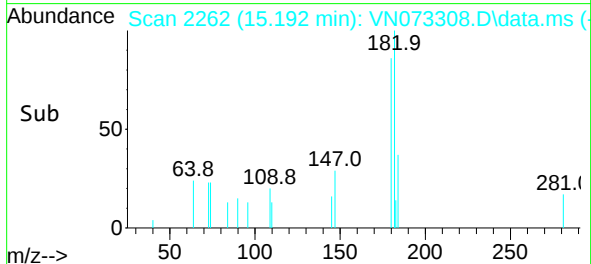
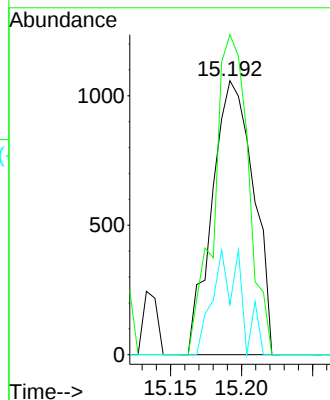
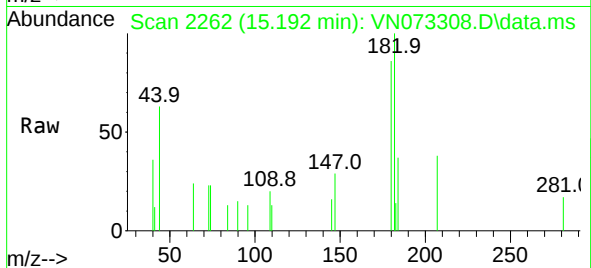
Tgt Ion:180 Resp: 2147

Ion Ratio Lower Upper

180 100

182 97.0 47.5 142.5

145 25.9 14.5 43.5



#95

Naphthalene

Concen: 0.933 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073308.D

Acq: 05 Jul 2022 11:57

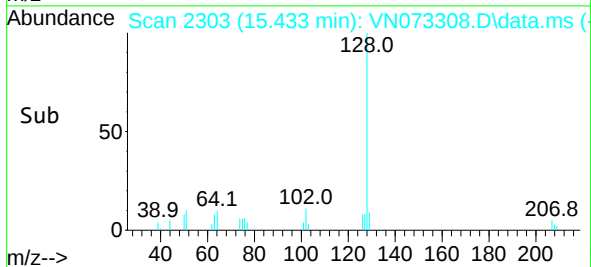
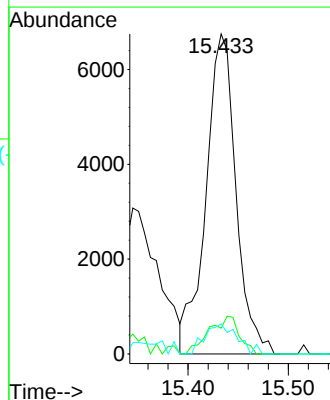
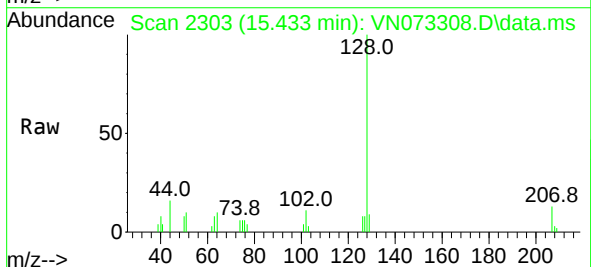
Tgt Ion:128 Resp: 14057

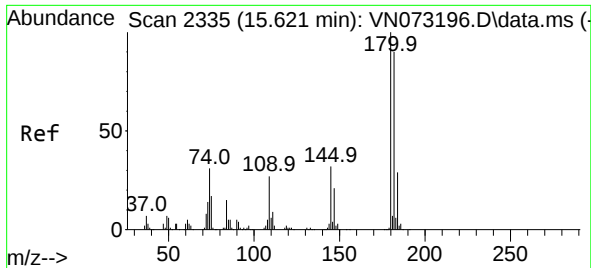
Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

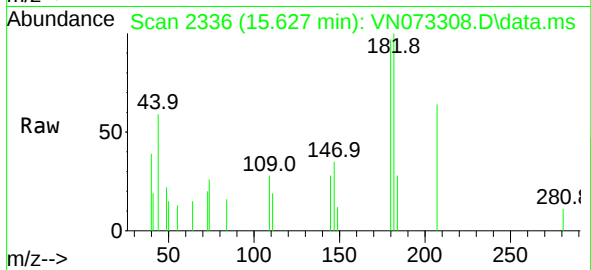
129 10.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.639 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073308.D
 Acq: 05 Jul 2022 11:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2463
Ion Ratio	Lower	Upper	
180	100		
182	109.5	47.8	143.3
145	35.2	15.5	46.5

