

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073047.D
 Acq On : 23 Jun 2022 14:38
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 24 01:18:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

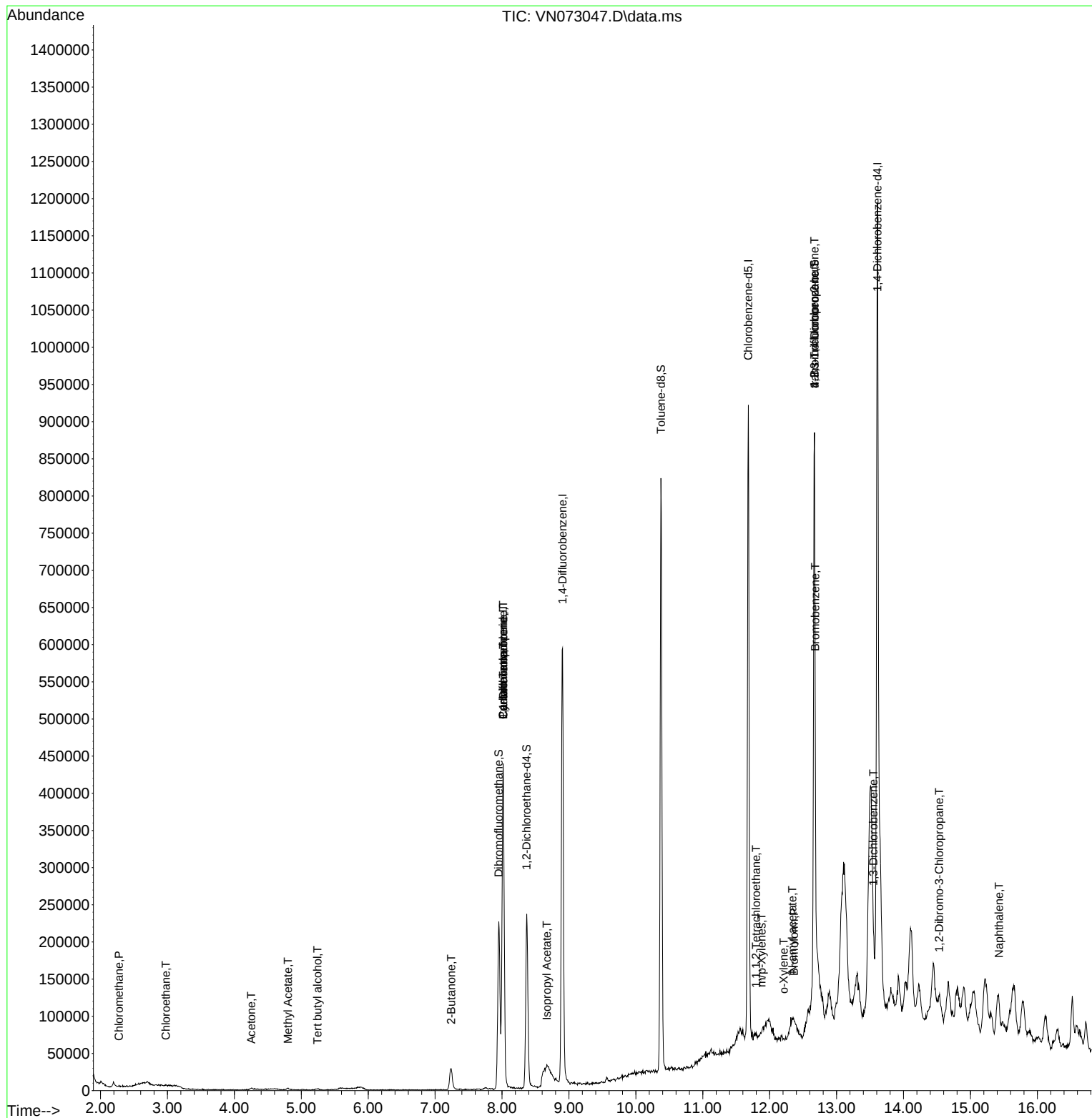
Internal Standards						
1) Pentafluorobenzene	8.016	168	323031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	525200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	486223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	278010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	195858	44.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.700%		
35) Dibromofluoromethane	7.951	113	165864	51.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.180%		
50) Toluene-d8	10.375	98	551321	45.642	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.280%		
62) 4-Bromofluorobenzene	12.669	95	254029	58.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.960%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	804	0.810	ug/l	100
6) Chloroethane	2.975	64	582	0.337	ug/l #	85
11) Tert butyl alcohol	5.240	59	564	0.500	ug/l #	72
16) Acetone	4.251	43	4358	1.815	ug/l	95
18) Methyl Acetate	4.799	43	5075	0.794	ug/l #	73
20) Methylene Chloride	5.016	84	528	Below Cal	#	67
25) 2-Butanone	7.240	43	2047	0.537	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	1132	Below Cal	#	63
31) Cyclohexane	8.016	56	7542	1.277	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	26522	6.038	ug/l #	49
38) Carbon Tetrachloride	8.016	117	34187	7.399	ug/l #	16
43) Isopropyl Acetate	8.669	43	82674	8.232	ug/l #	54
66) 1,1,1,2-Tetrachloroethane	11.798	131	734	0.203	ug/l #	26
68) m/p-Xylenes	11.880	106	1811	0.276	ug/l	80
69) o-Xylene	12.210	106	1682	0.257	ug/l	96
71) Bromoform	12.363	173	3422	1.256	ug/l #	47
74) N-amyl acetate	12.339	43	2796	0.251	ug/l #	42
76) 1,2,3-Trichloropropane	12.669	75	137089	20.339	ug/l #	1
77) Bromobenzene	12.680	156	103795	20.145	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	137089	54.927	ug/l #	11
87) 1,3-Dichlorobenzene	13.551	146	1891	0.206	ug/l #	46
92) 1,2-Dibromo-3-Chloropr...	14.533	75	686	0.269	ug/l #	21
95) Naphthalene	15.427	128	21909	1.020	ug/l #	65

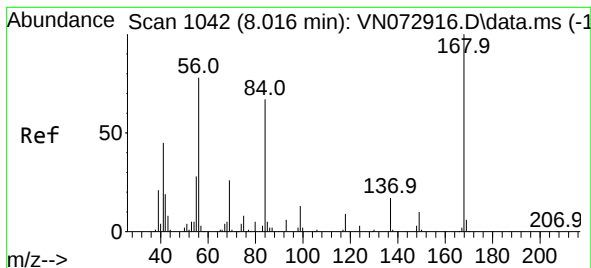
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073047.D

Acq: 23 Jun 2022 14:38

Instrument :

MSVOA_N

ClientSampleId :

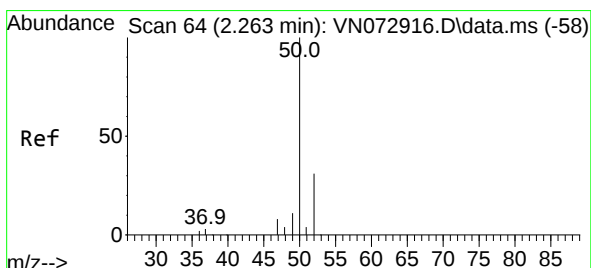
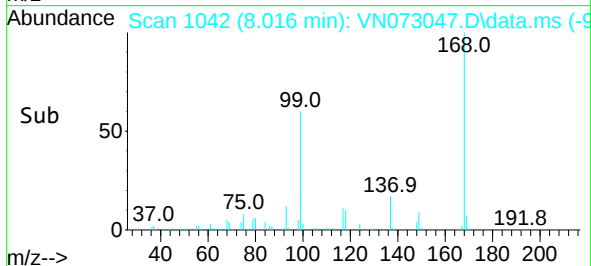
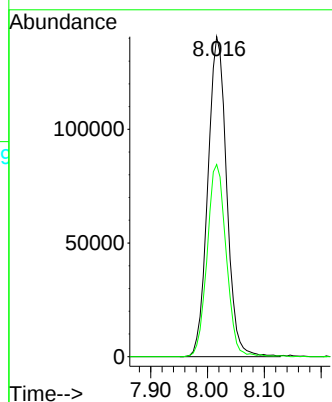
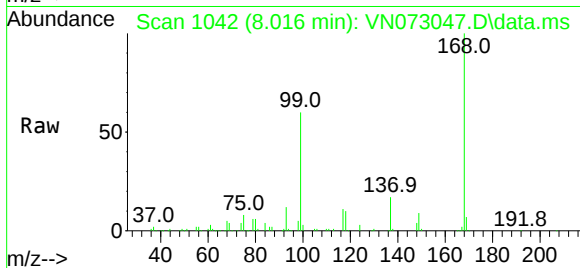
IBLK

Tgt Ion:168 Resp: 323031

Ion Ratio Lower Upper

168 100

99 60.0 42.3 63.5



#3

Chloromethane

Concen: 0.810 ug/l

RT: 2.275 min Scan# 66

Delta R.T. 0.012 min

Lab File: VN073047.D

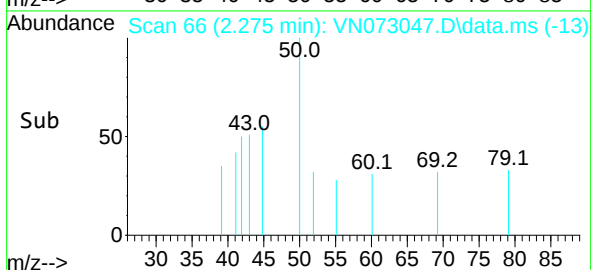
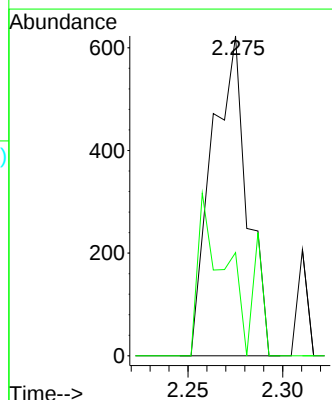
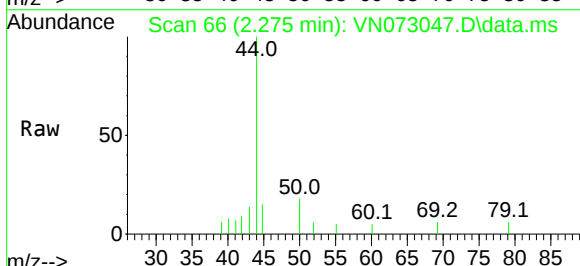
Acq: 23 Jun 2022 14:38

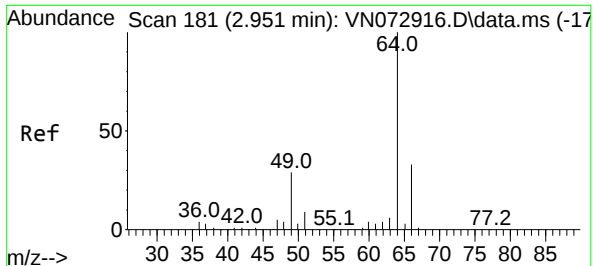
Tgt Ion: 50 Resp: 804

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5

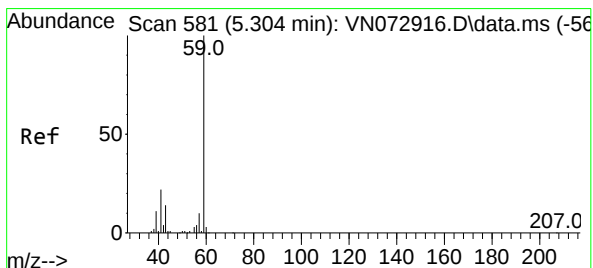
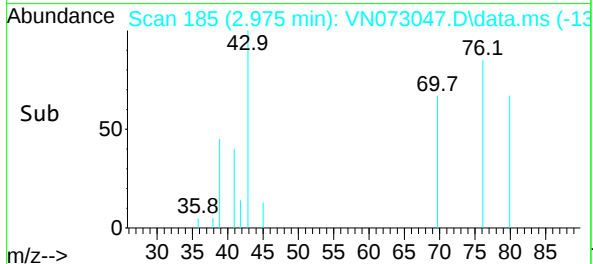
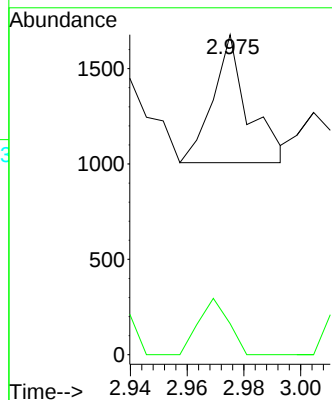
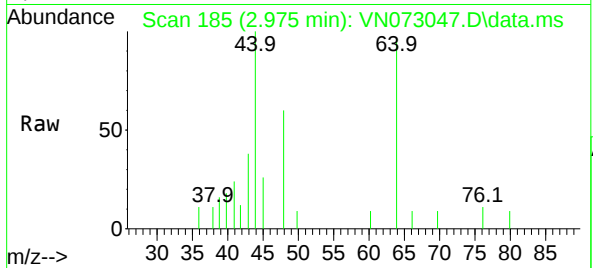




#6
Chloroethane
Concen: 0.337 ug/l
RT: 2.975 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

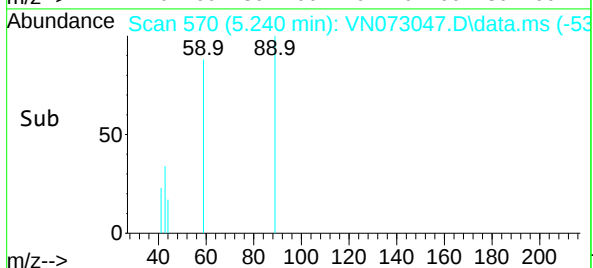
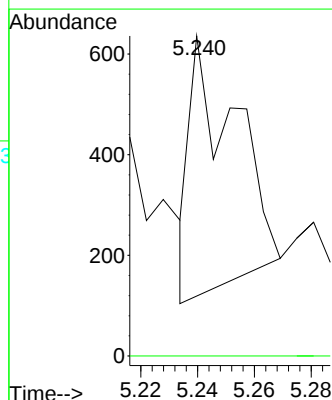
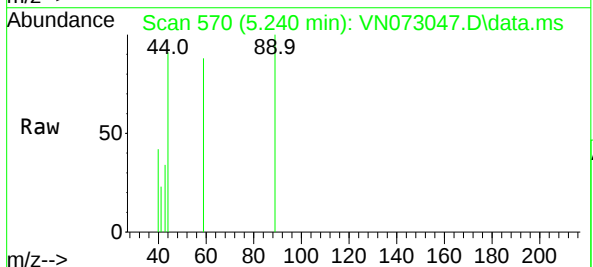
Instrument :
MSVOA_N
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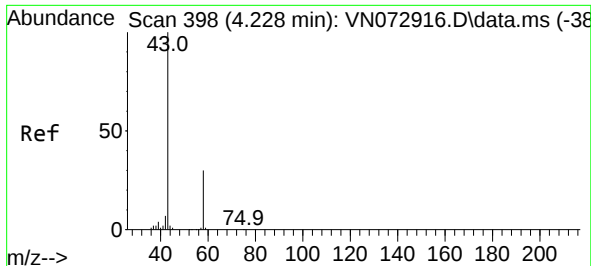
Tgt Ion: 64 Resp: 582
Ion Ratio Lower Upper
64 100
66 24.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.500 ug/l
RT: 5.240 min Scan# 570
Delta R.T. -0.065 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

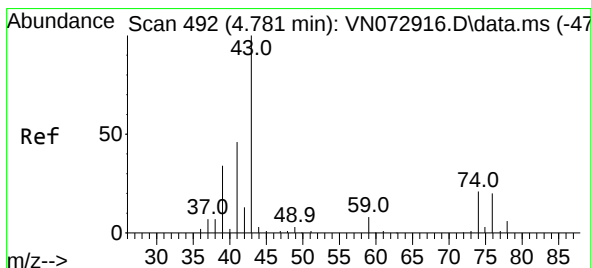
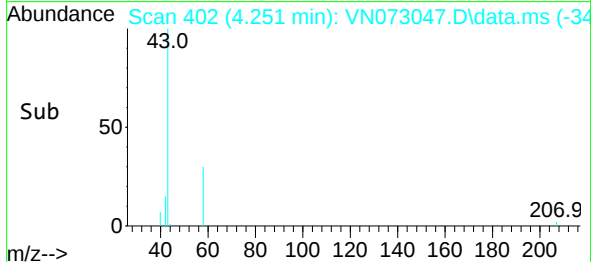
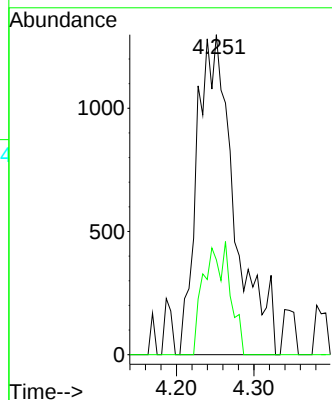
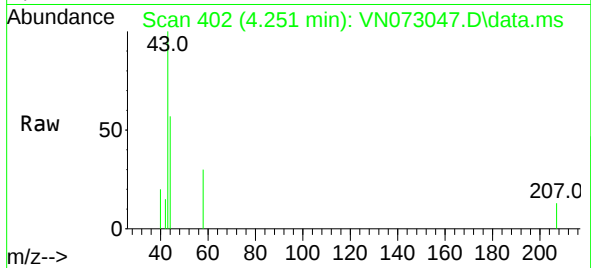




#16
Acetone
Concen: 1.815 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

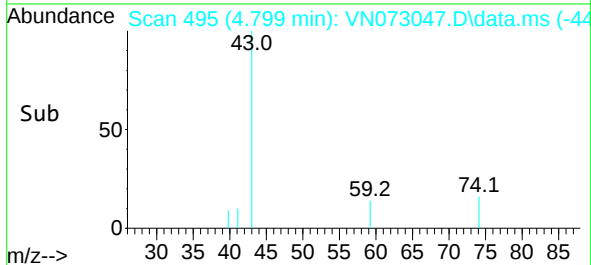
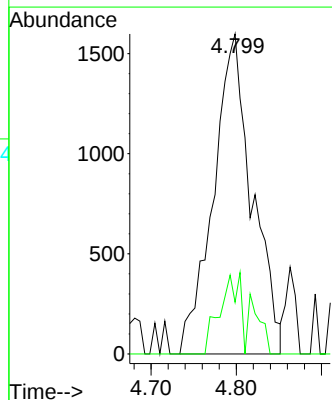
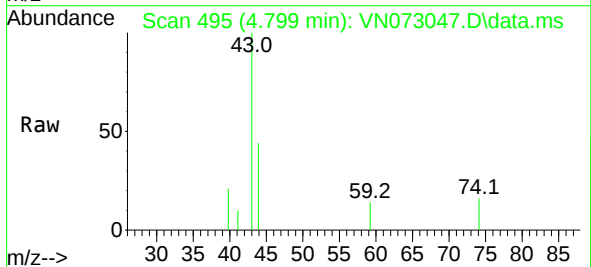
Instrument :
MSVOA_N
ClientSampleId :
IBLK

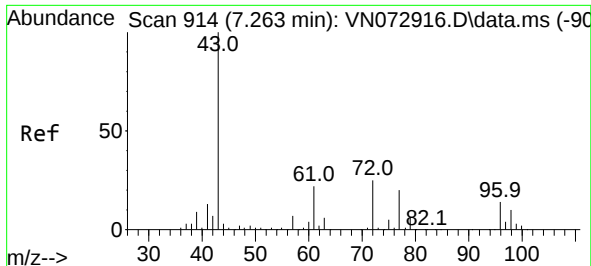
Tgt Ion: 43 Resp: 4358
Ion Ratio Lower Upper
43 100
58 29.6 26.0 39.0



#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 4.799 min Scan# 495
Delta R.T. 0.018 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 43 Resp: 5075
Ion Ratio Lower Upper
43 100
74 13.2 21.6 32.4#





#25

2-Butanone

Concen: 0.537 ug/l

RT: 7.240 min Scan# 91

Delta R.T. -0.023 min

Lab File: VN073047.D

Acq: 23 Jun 2022 14:38

Instrument :

MSVOA_N

ClientSampleId :

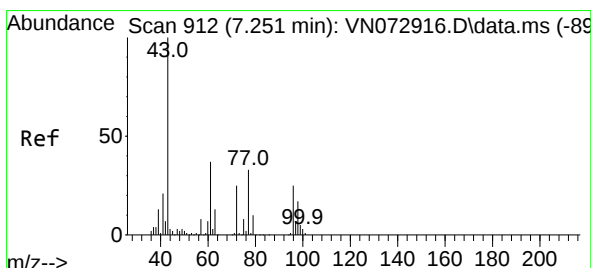
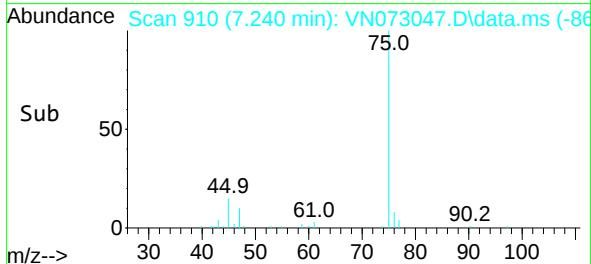
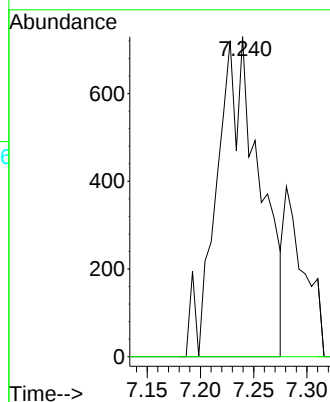
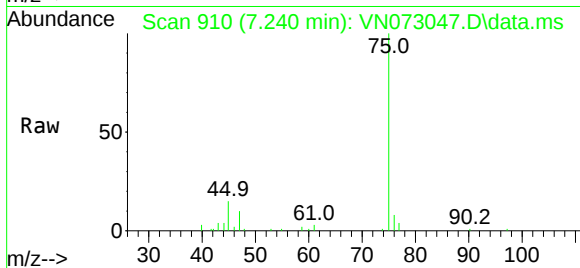
IBLK

Tgt Ion: 43 Resp: 2047

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.228 min Scan# 908

Delta R.T. -0.023 min

Lab File: VN073047.D

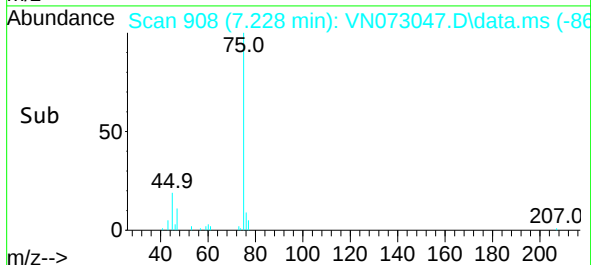
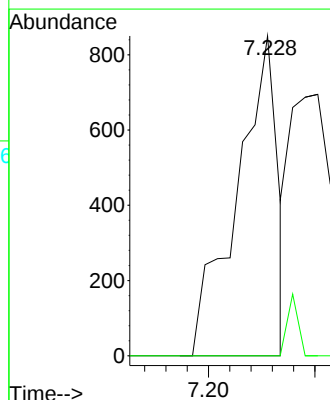
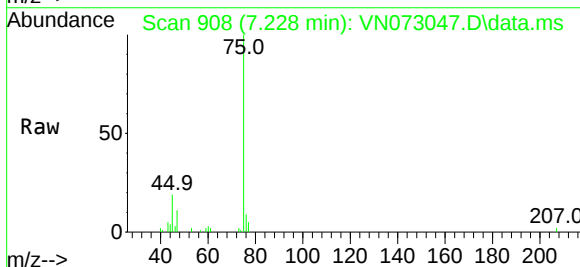
Acq: 23 Jun 2022 14:38

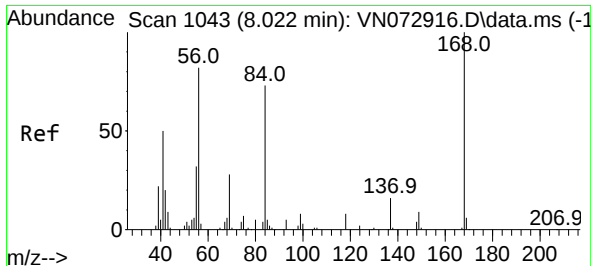
Tgt Ion: 77 Resp: 1132

Ion Ratio Lower Upper

77 100

97 5.1 11.4 34.2#

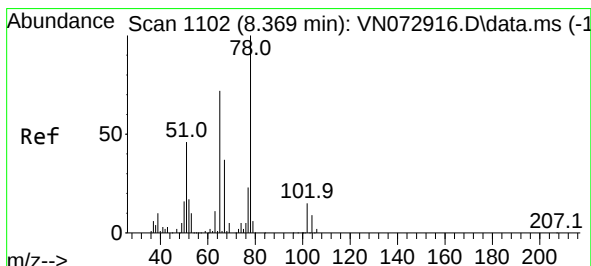
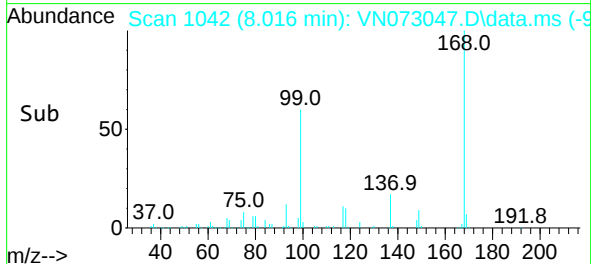
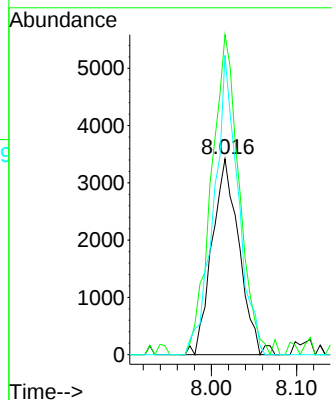
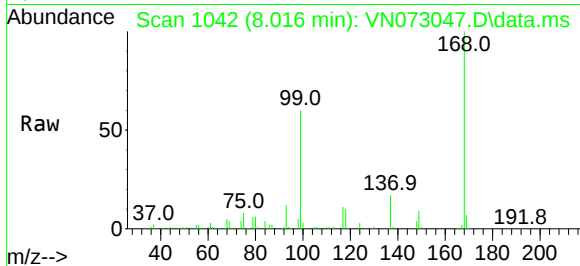




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.016 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

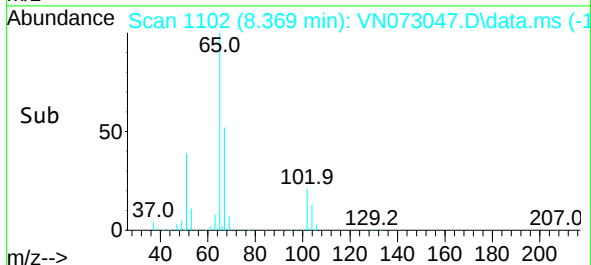
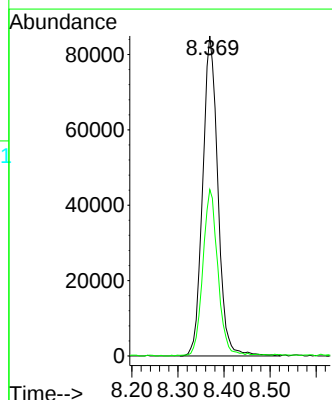
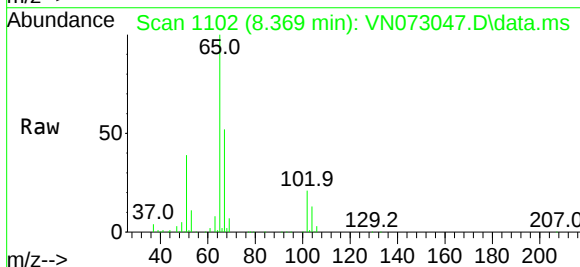
Instrument :
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IBLK

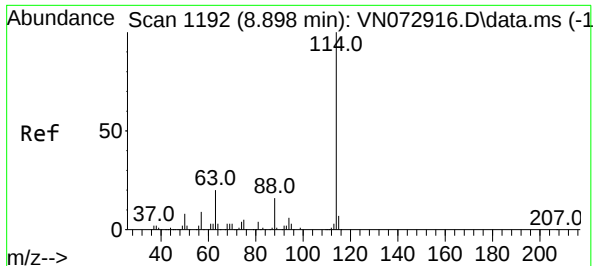
Tgt Ion: 56 Resp: 7542
Ion Ratio Lower Upper
56 100
69 163.3 27.8 41.8#
84 152.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.846 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 65 Resp: 195858
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073047.D

Acq: 23 Jun 2022 14:38

Instrument :

MSVOA_N

ClientSampleId :

IBLK

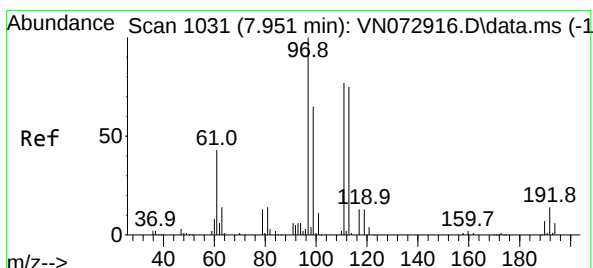
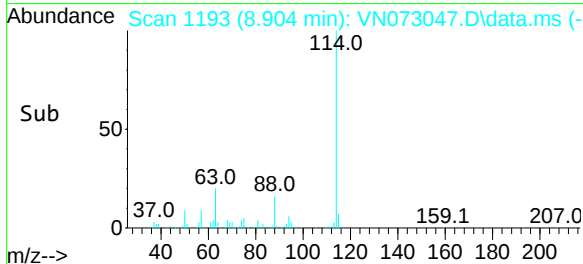
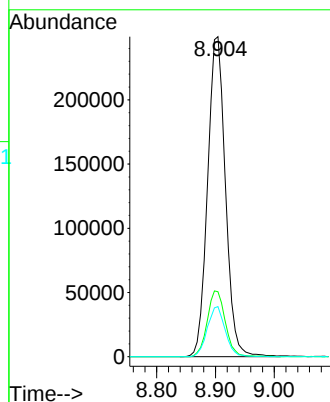
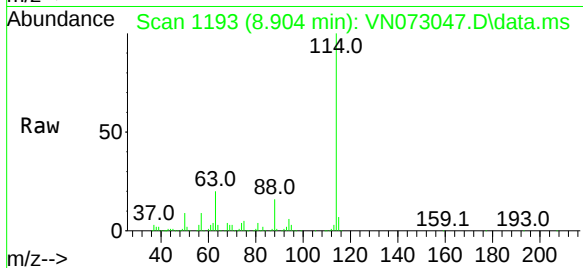
Tgt Ion:114 Resp: 525200

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.095 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073047.D

Acq: 23 Jun 2022 14:38

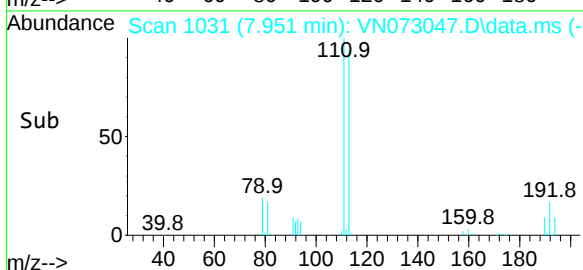
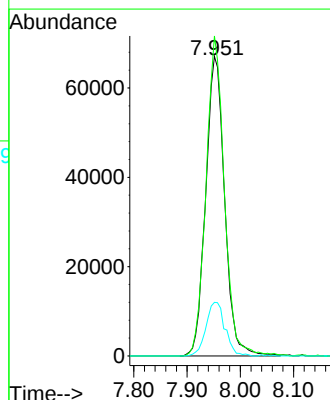
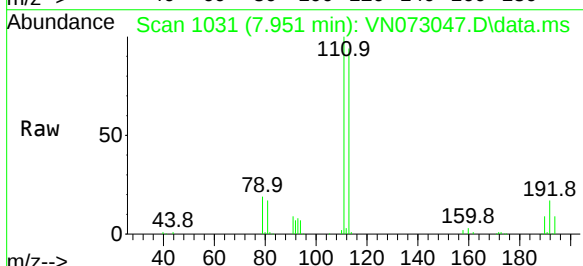
Tgt Ion:113 Resp: 165864

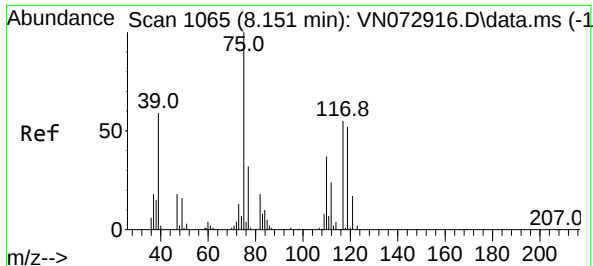
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 18.1 17.0 25.6

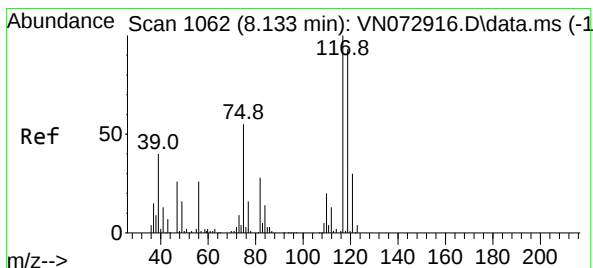
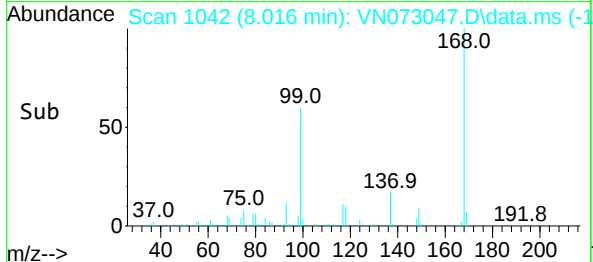
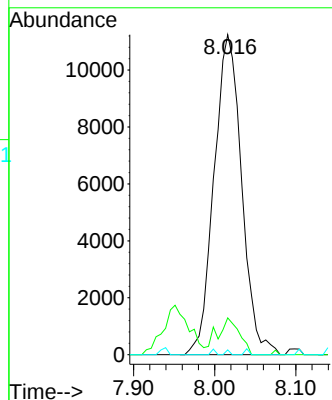
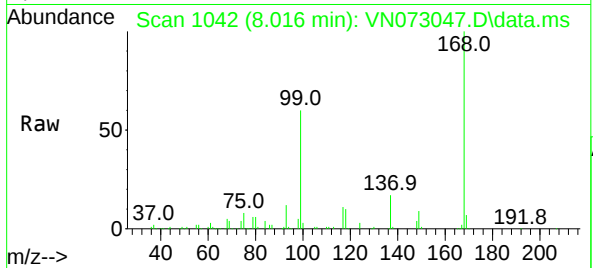




#36
1,1-Dichloropropene
Concen: 6.038 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

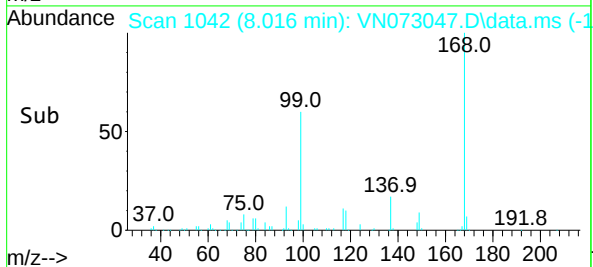
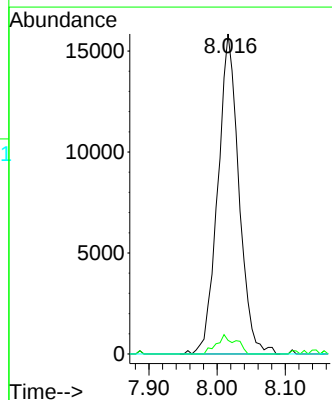
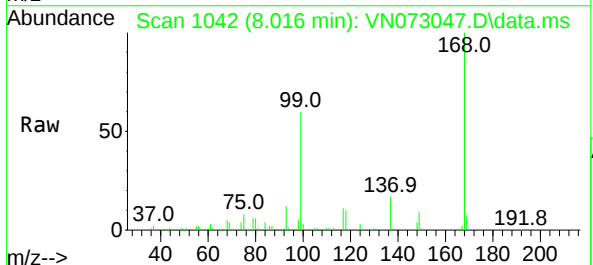
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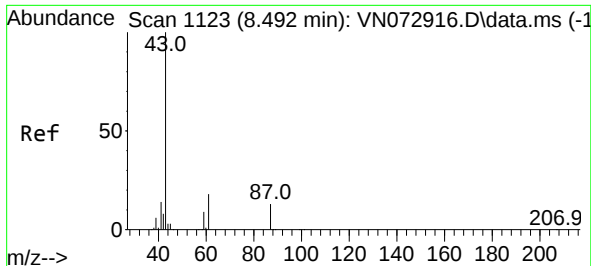
Tgt Ion: 75 Resp: 26522
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.2 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.399 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 117 Resp: 34187
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#

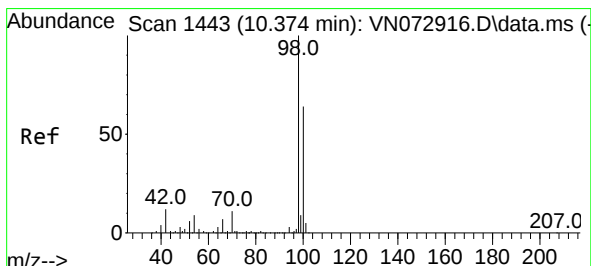
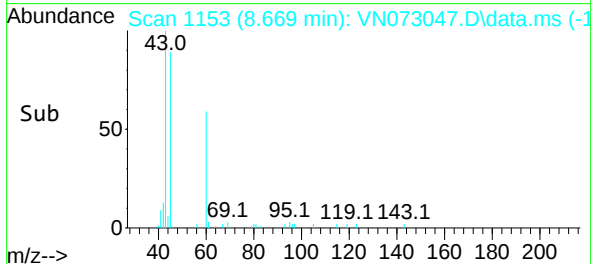
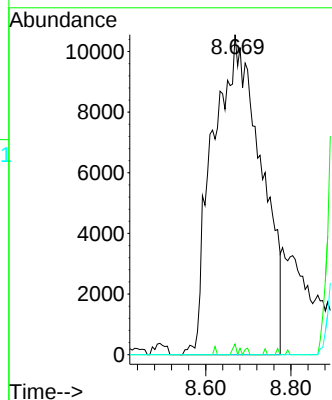
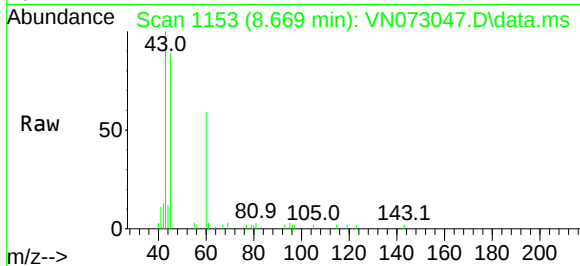




#43
Isopropyl Acetate
Concen: 8.232 ug/l
RT: 8.669 min Scan# 1123
Delta R.T. 0.177 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

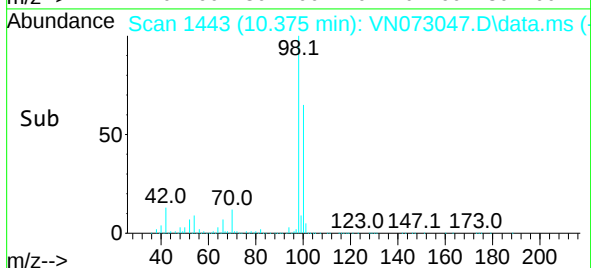
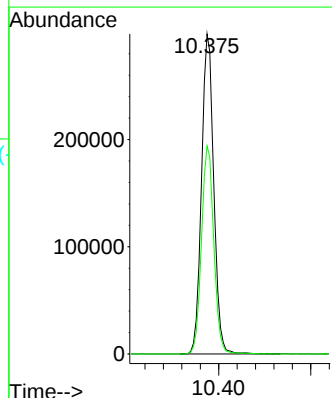
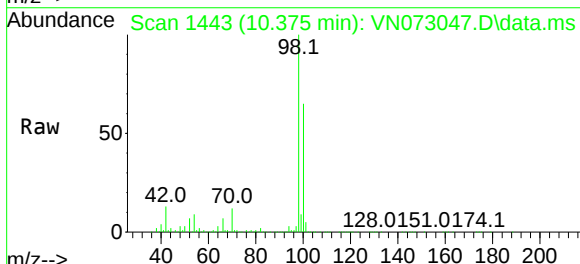
Instrument :
MSVOA_N
ClientSampleId :
IBLK

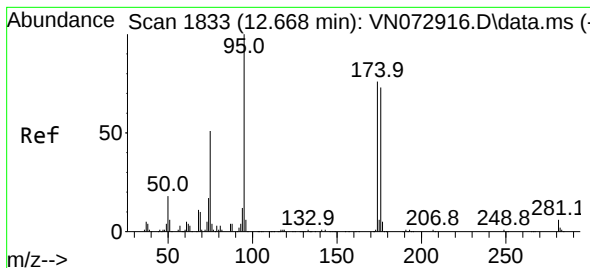
Tgt Ion: 43 Resp: 82674
Ion Ratio Lower Upper
43 100
61 0.3 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 45.642 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 98 Resp: 551321
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

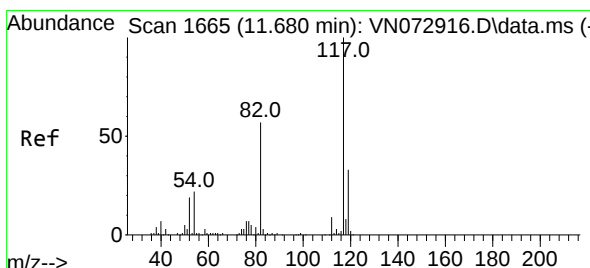
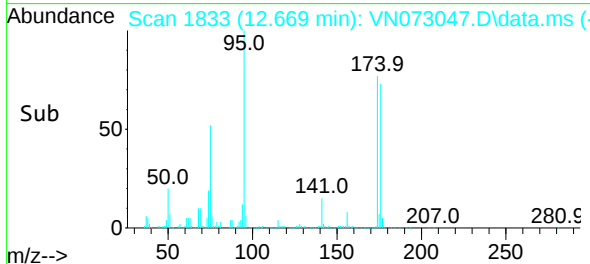
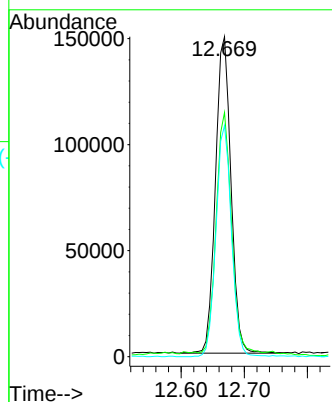
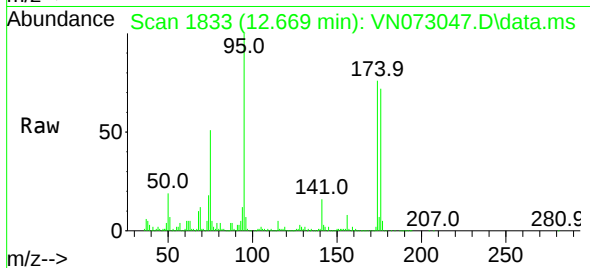




#62
4-Bromofluorobenzene
Concen: 58.485 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

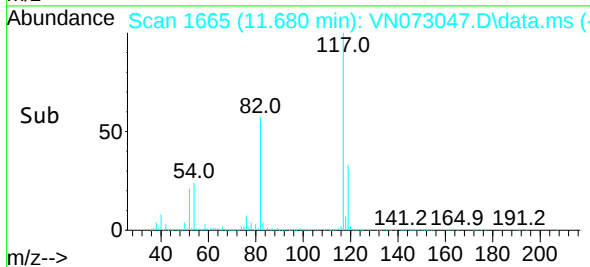
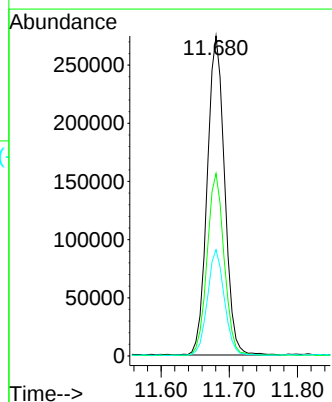
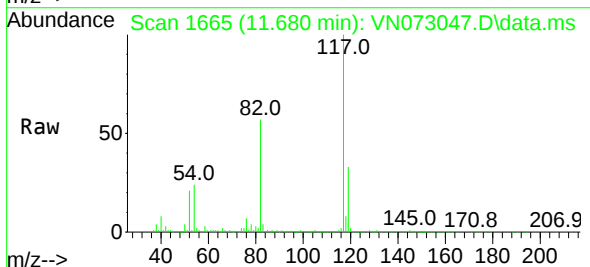
Instrument :
MSVOA_N
ClientSampleId :
IBLK

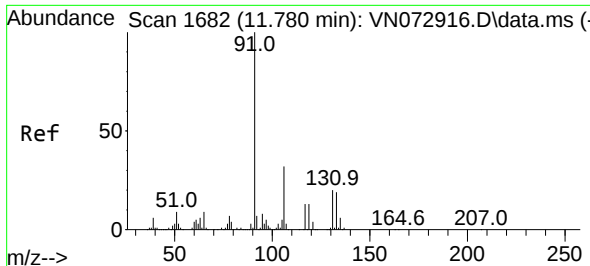
Tgt Ion: 95 Resp: 254029
Ion Ratio Lower Upper
95 100
174 75.0 0.0 167.6
176 73.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 117 Resp: 486223
Ion Ratio Lower Upper
117 100
82 57.0 44.2 66.2
119 33.0 25.4 38.0

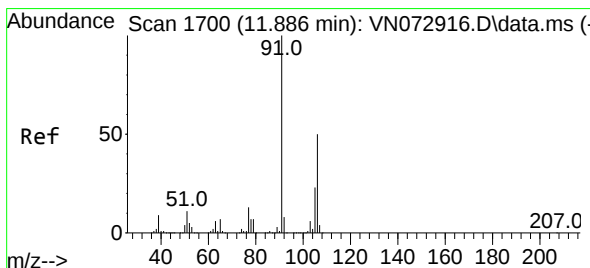
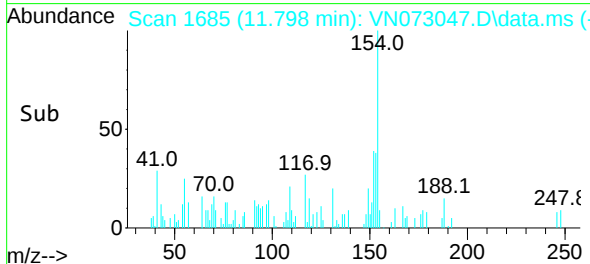
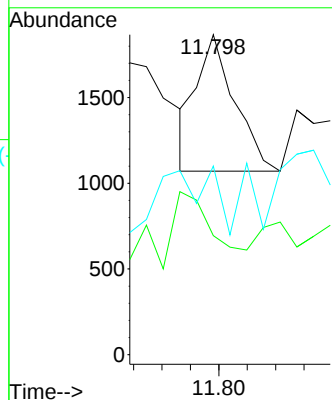
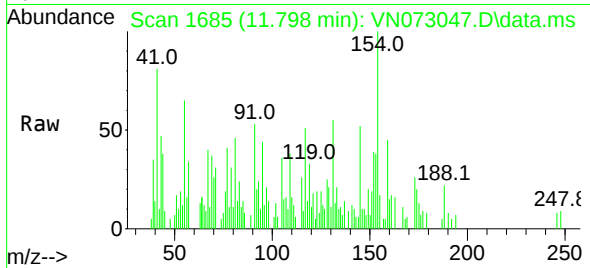




#66
1,1,1,2-Tetrachloroethane
Concen: 0.203 ug/l
RT: 11.798 min Scan# 1685
Delta R.T. 0.018 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

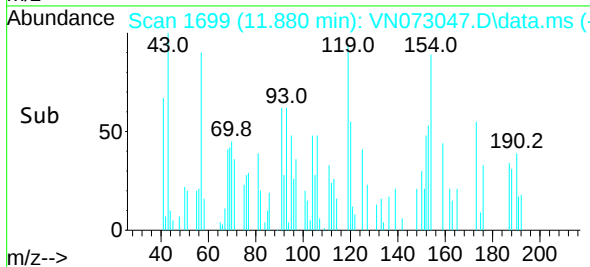
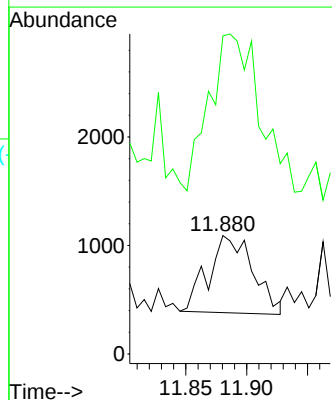
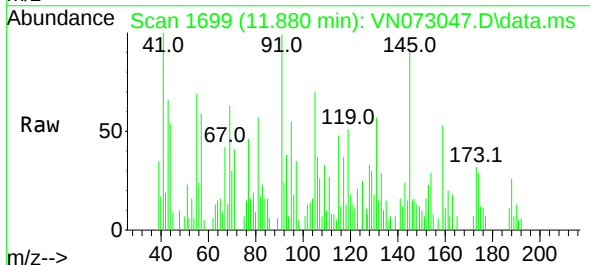
Instrument :
MSVOA_N
ClientSampleId :
IBLK

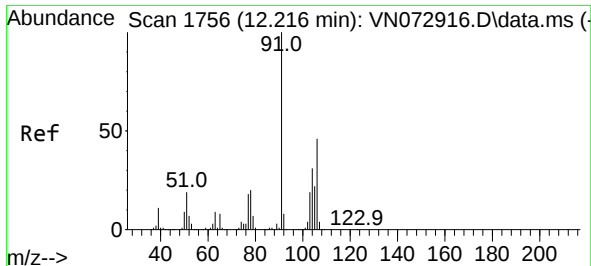
Tgt Ion:131 Resp: 734
Ion Ratio Lower Upper
131 100
133 160.9 47.8 143.4#
119 0.0 33.4 100.2#



#68
m/p-Xylenes
Concen: 0.276 ug/l
RT: 11.880 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion:106 Resp: 1811
Ion Ratio Lower Upper
106 100
91 229.0 158.9 238.3

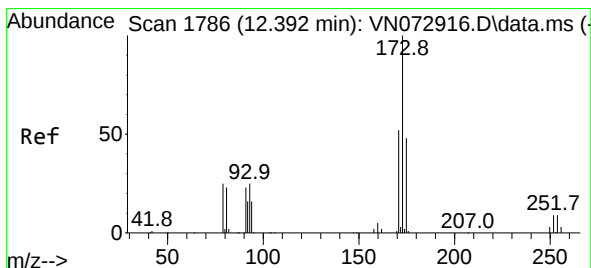
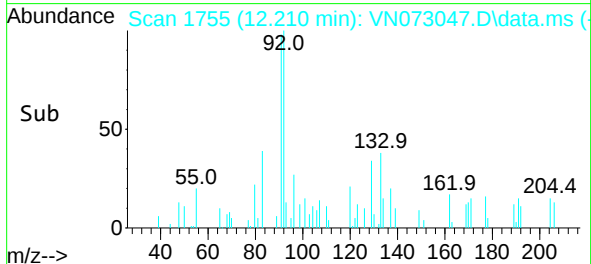
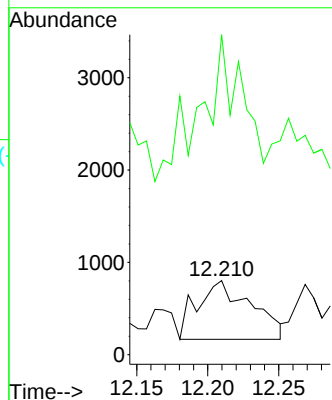
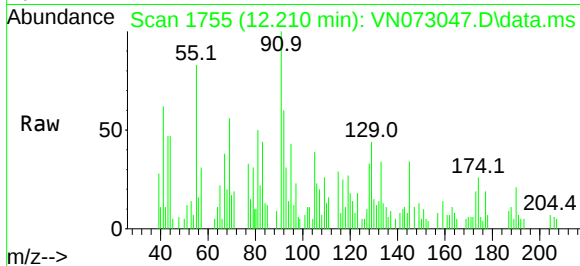




#69
o-Xylene
Concen: 0.257 ug/l
RT: 12.210 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

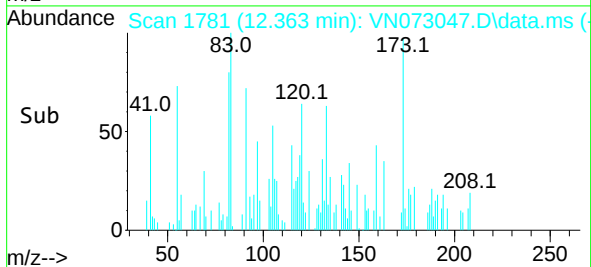
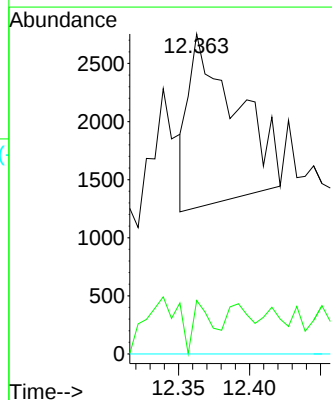
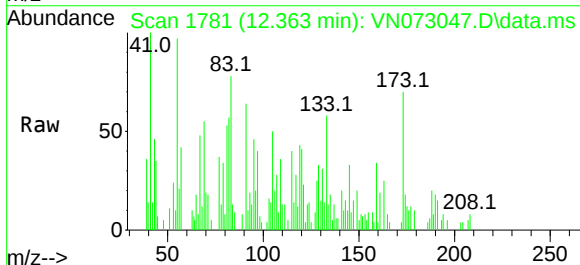
Instrument :
MSVOA_N
ClientSampleId :
IBLK

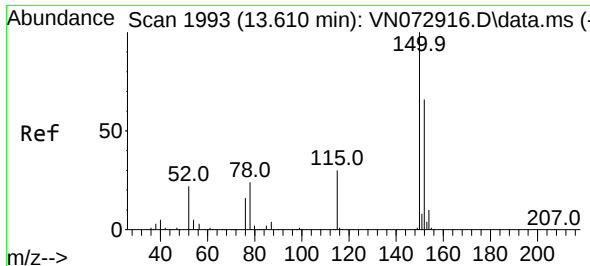
Tgt Ion:106 Resp: 1682
Ion Ratio Lower Upper
106 100
91 205.8 106.0 318.0



#71
Bromoform
Concen: 1.256 ug/l
RT: 12.363 min Scan# 1781
Delta R.T. -0.029 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion:173 Resp: 3422
Ion Ratio Lower Upper
173 100
175 12.8 24.6 73.6#
254 0.0 0.1 0.1#

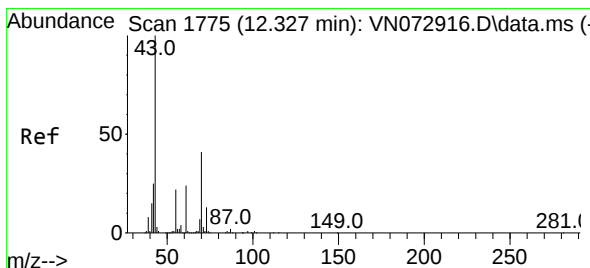
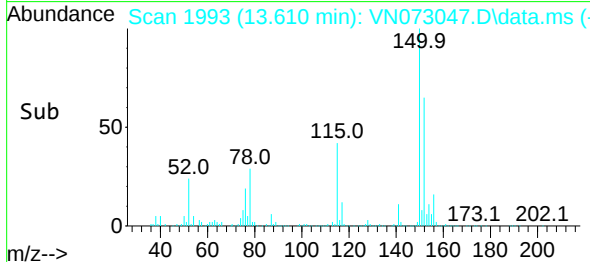
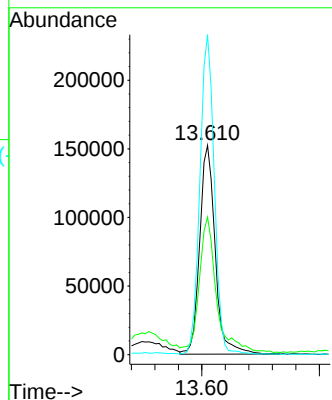
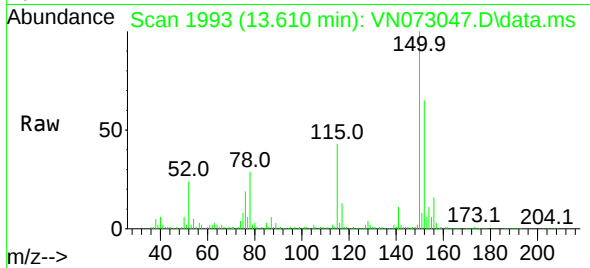




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

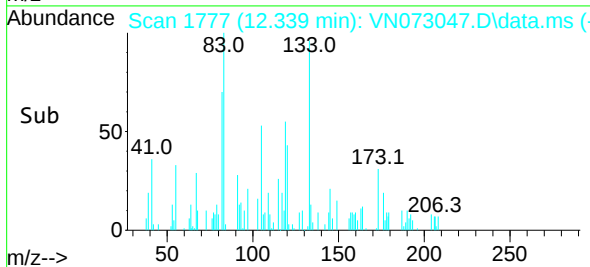
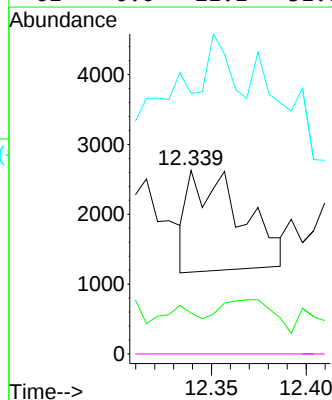
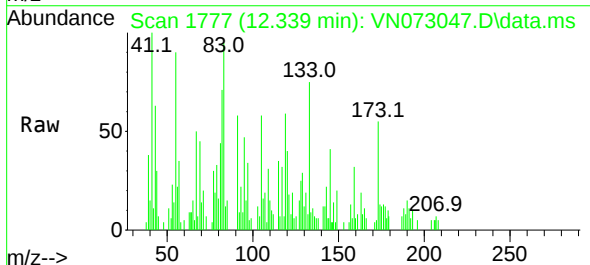
Instrument :
MSVOA_N
ClientSampleId :
IBLK

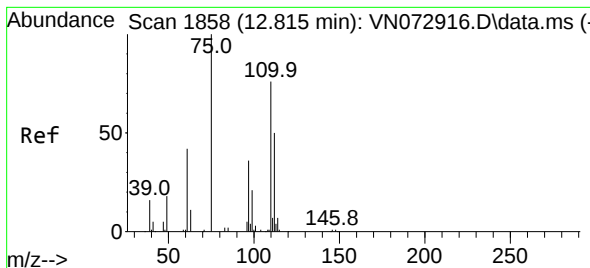
Tgt Ion:152 Resp: 278010
Ion Ratio Lower Upper
152 100
115 71.6 28.9 86.7
150 141.3 0.0 356.2



#74
N-ethyl acetate
Concen: 0.251 ug/l
RT: 12.339 min Scan# 1777
Delta R.T. 0.012 min
Lab File: VN073047.D
Acq: 23 Jun 2022 14:38

Tgt Ion: 43 Resp: 2796
Ion Ratio Lower Upper
43 100
70 4.1 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 20.339 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN073047.D

Acq: 23 Jun 2022 14:38

Instrument :

MSVOA_N

ClientSampleId :

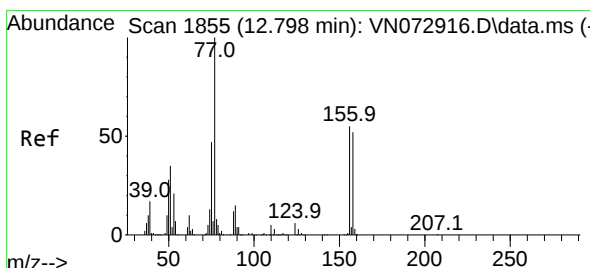
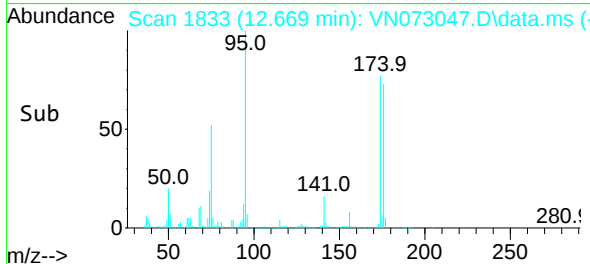
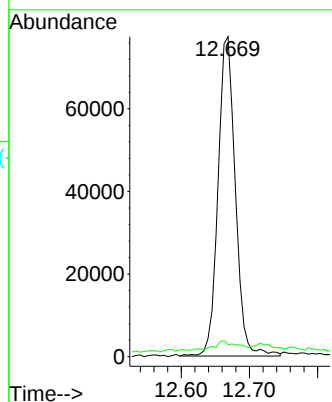
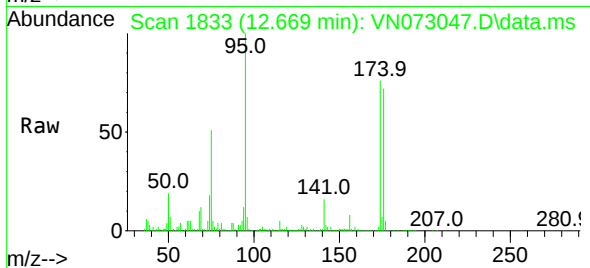
IBLK

Tgt Ion: 75 Resp: 137089

Ion Ratio Lower Upper

75 100

77 4.2 98.5 295.5#



#77

Bromobenzene

Concen: 20.145 ug/l

RT: 12.680 min Scan# 1835

Delta R.T. -0.117 min

Lab File: VN073047.D

Acq: 23 Jun 2022 14:38

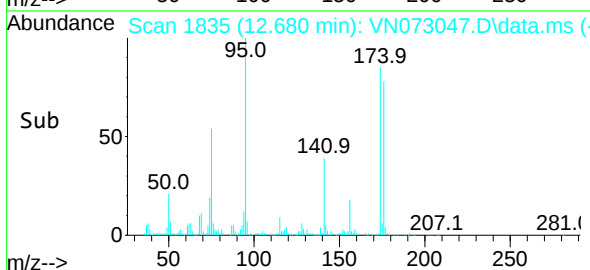
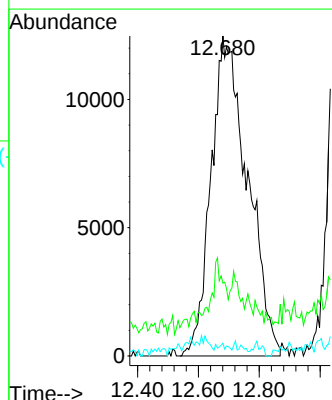
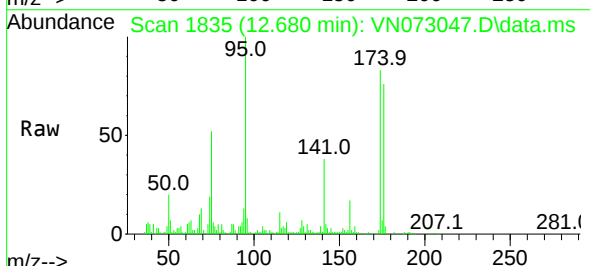
Tgt Ion: 156 Resp: 103795

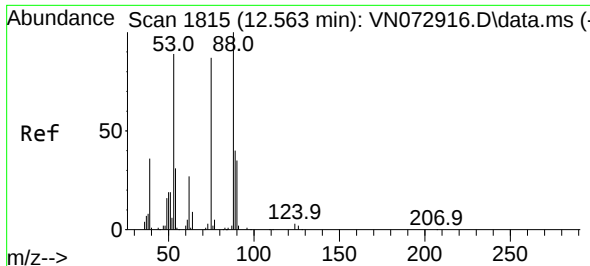
Ion Ratio Lower Upper

156 100

77 0.0 100.5 301.5#

158 0.3 48.9 146.6#

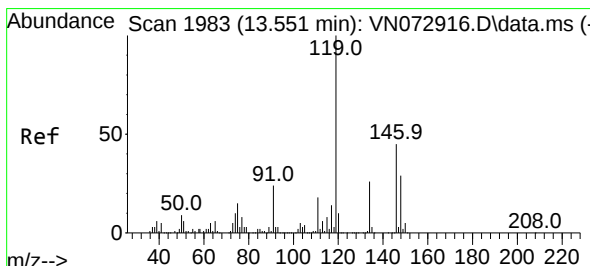
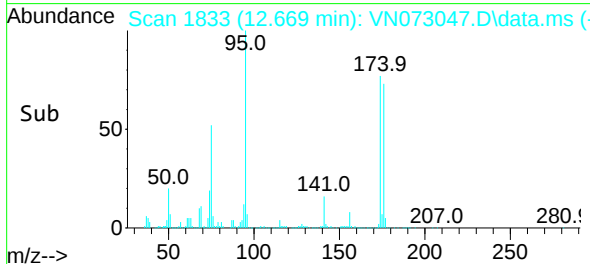
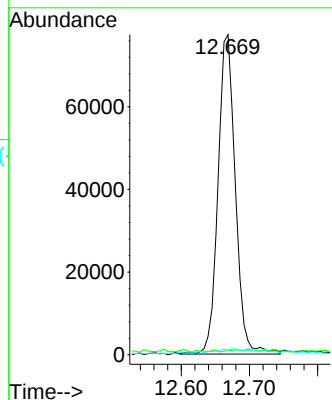
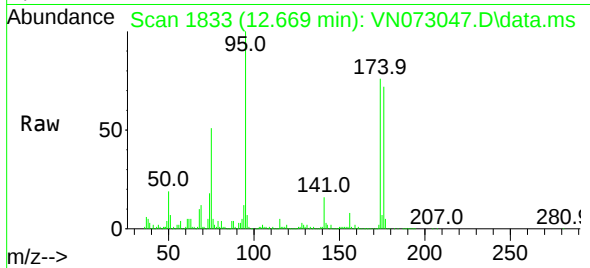




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.927 ug/l
 RT: 12.669 min Scan# 1815
 Delta R.T. 0.106 min
 Lab File: VN073047.D
 Acq: 23 Jun 2022 14:38

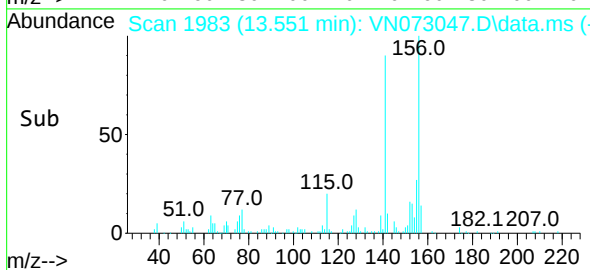
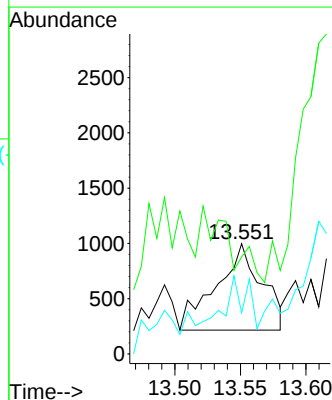
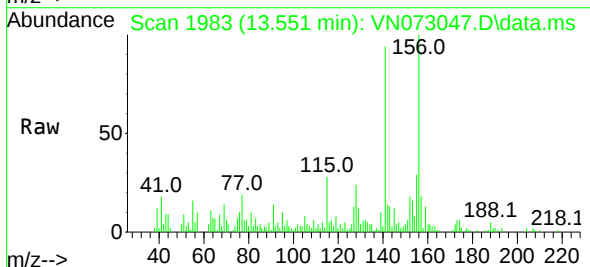
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

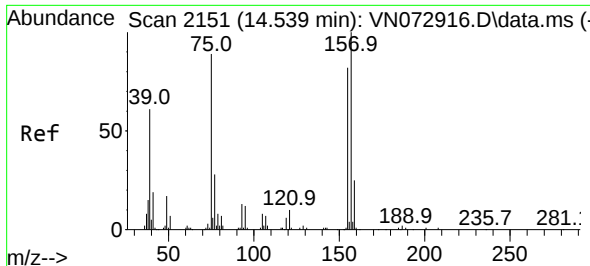
Tgt Ion: 75 Resp: 137089
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 1.5 37.2 55.8#



#87
 1,3-Dichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN073047.D
 Acq: 23 Jun 2022 14:38

Tgt Ion:146 Resp: 1891
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 27.1 32.0 96.0#

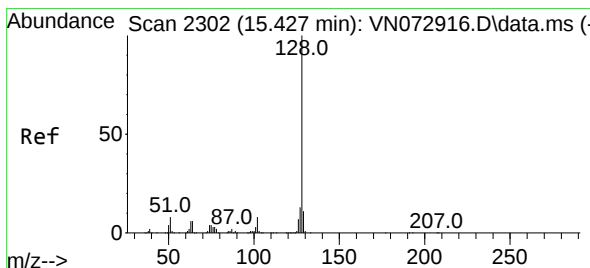
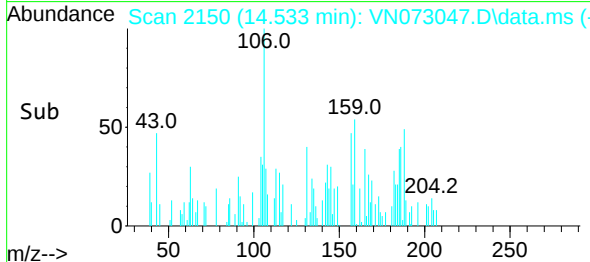
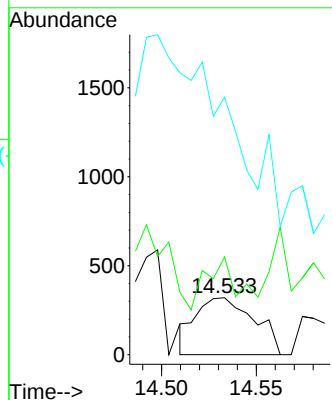
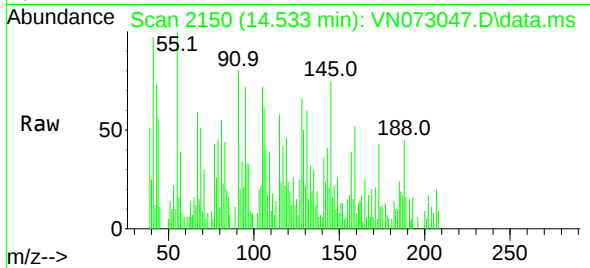




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.269 ug/l
 RT: 14.533 min Scan# 2151
 Delta R.T. -0.006 min
 Lab File: VN073047.D
 Acq: 23 Jun 2022 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 686
 Ion Ratio Lower Upper
 75 100
 155 50.7 44.9 134.5
 157 0.0 59.0 176.8#



#95
 Naphthalene
 Concen: 1.020 ug/l
 RT: 15.427 min Scan# 2302
 Delta R.T. 0.000 min
 Lab File: VN073047.D
 Acq: 23 Jun 2022 14:38

Tgt Ion: 128 Resp: 21909
 Ion Ratio Lower Upper
 128 100
 127 20.4 10.3 15.5#
 129 31.3 8.6 13.0#

