

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073611.D
 Acq On : 27 Jul 2022 17:16
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 28 02:15:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

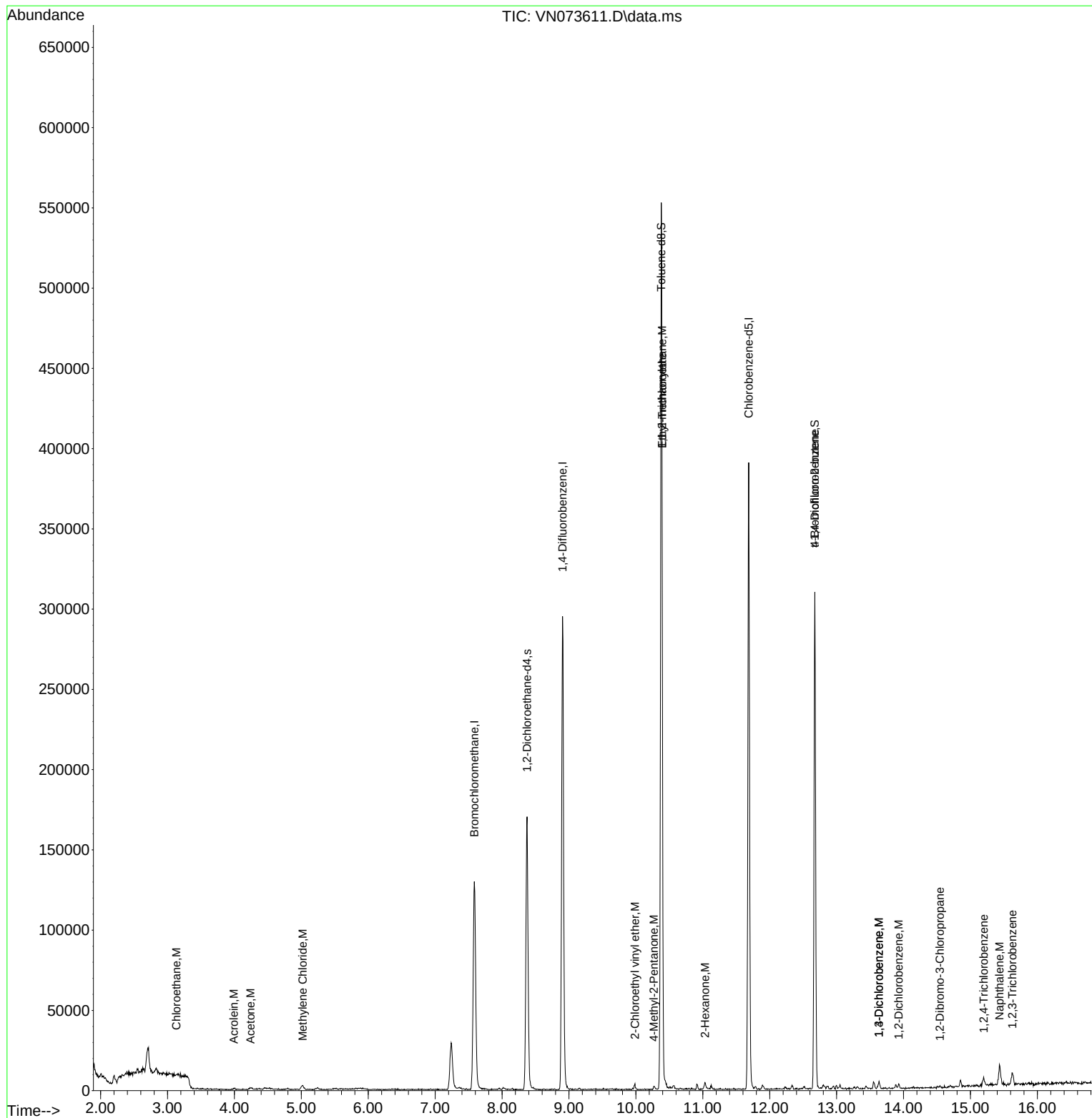
Internal Standards						
1) Bromochloromethane	7.586	128	50312	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	266482	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	227606	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.375	65	137055	31.506	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.033%
60) 4-Bromofluorobenzene	12.674	95	100161	24.853	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.833%
63) Toluene-d8	10.380	98	389132	30.363	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.200%
Target Compounds						
					Qvalue	
6) Chloroethane	3.134	64	1905	0.507	ug/l	93
13) Acrolein	3.993	56	391	0.415	ug/l #	70
15) Acetone	4.240	58	253	0.368	ug/l #	1
18) Methylene Chloride	5.022	84	1150	0.288	ug/l #	54
50) 1,1,2-Trichloroethane	10.392	97	12811	3.096	ug/l #	1
51) Ethyl methacrylate	10.392	69	1278	0.205	ug/l #	52
55) 2-Chloroethyl vinyl ether	9.986	63	1505	0.539	ug/l #	74
58) 4-Methyl-2-Pentanone	10.269	43	1679	0.285	ug/l #	62
59) 2-Hexanone	11.033	43	3042	0.671	ug/l #	84
77) t-1,4-Dichloro-2-butene	12.674	75	53241	30.291	ug/l #	8
83) 1,3-Dichlorobenzene	13.633	146	1876	0.251	ug/l	90
84) 1,4-Dichlorobenzene	13.633	146	1876	0.260	ug/l	91
87) 1,2-Dichlorobenzene	13.927	146	1513	0.200	ug/l	86
88) 1,2-Dibromo-3-Chloropr...	14.545	75	358	0.284	ug/l #	38
89) 1,2,4-Trichlorobenzene	15.198	180	2424	0.583	ug/l #	94
91) Naphthalene	15.433	128	14300	1.048	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.627	180	3586	0.840	ug/l	89

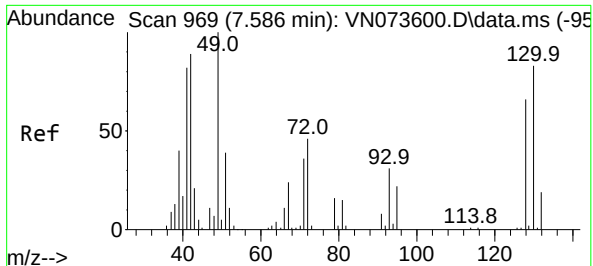
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
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Quant Time: Jul 28 02:15:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 27 18:07:26 2022
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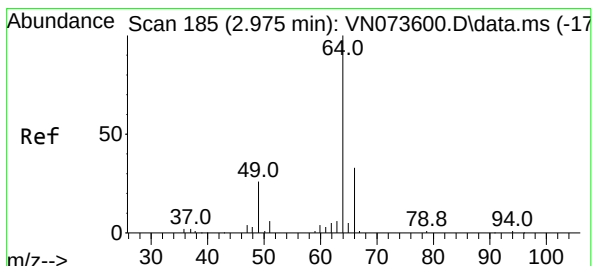
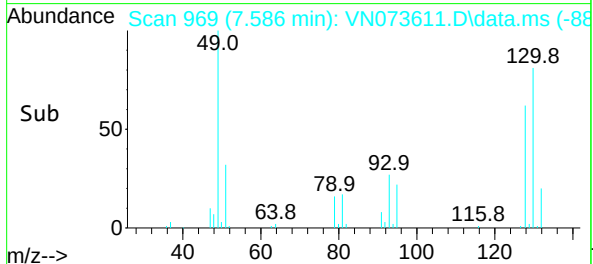
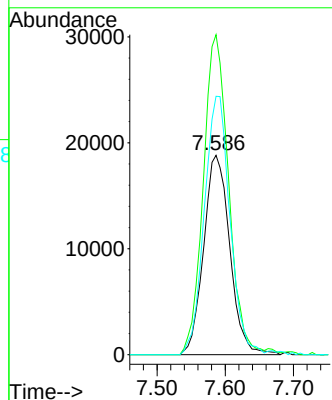
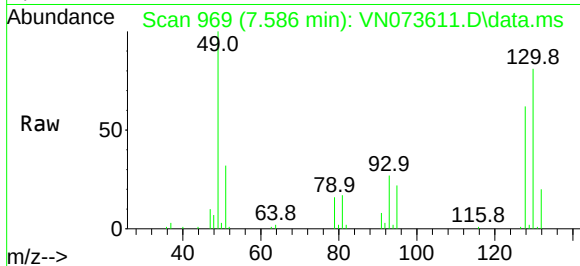




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

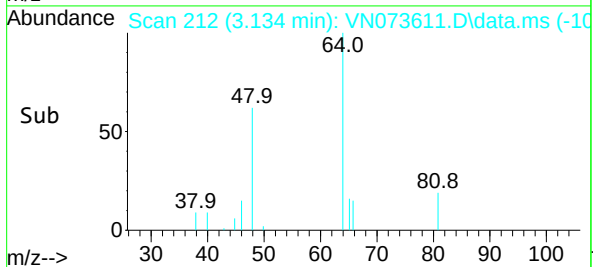
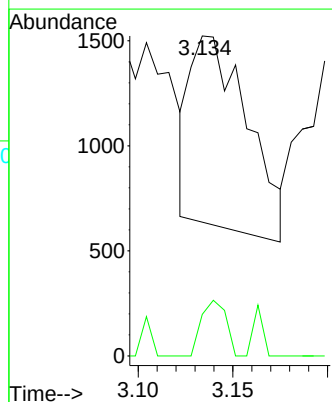
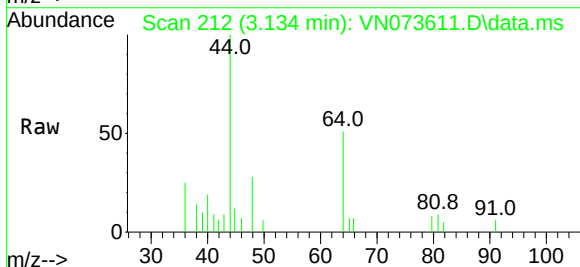
Instrument :
MSVOA_N
ClientSampleId :
IBLK

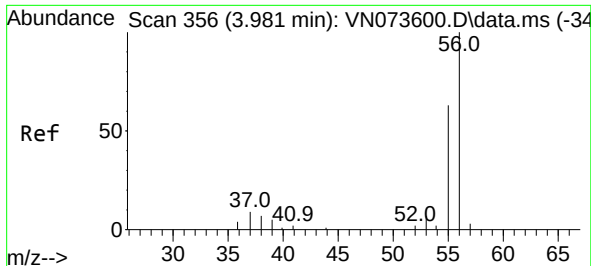
Tgt Ion:128 Resp: 50312
Ion Ratio Lower Upper
128 100
49 154.4 0.0 392.3
130 127.2 0.0 320.2



#6
Chloroethane
Concen: 0.507 ug/l
RT: 3.134 min Scan# 212
Delta R.T. 0.159 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 64 Resp: 1905
Ion Ratio Lower Upper
64 100
66 27.1 24.6 36.8

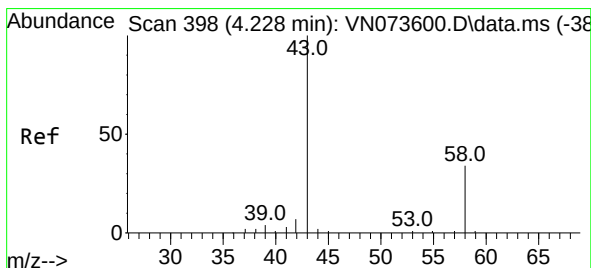
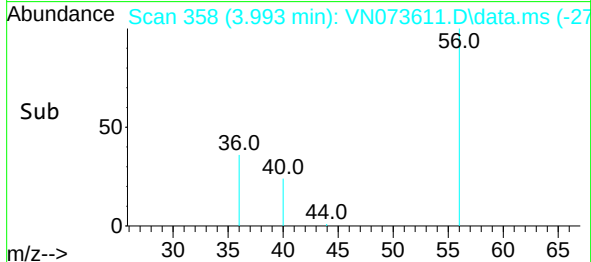
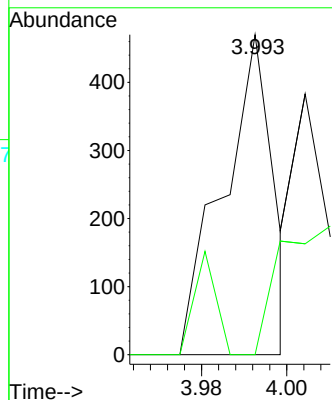
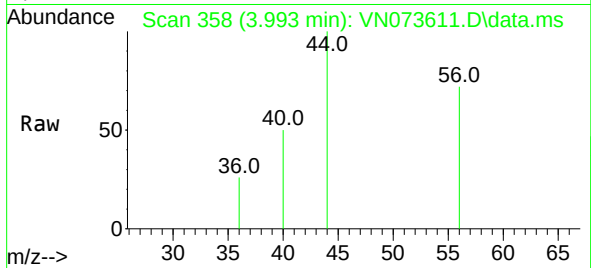




#13
Acrolein
Concen: 0.415 ug/l
RT: 3.993 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

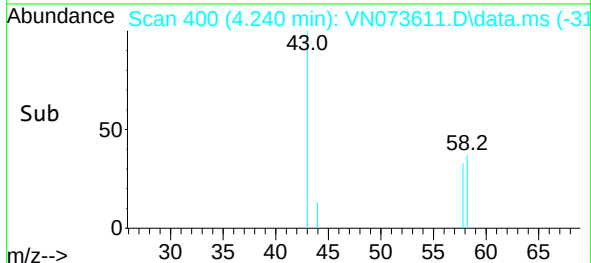
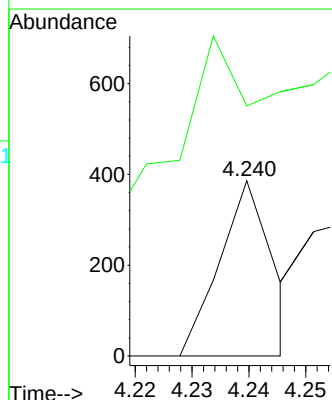
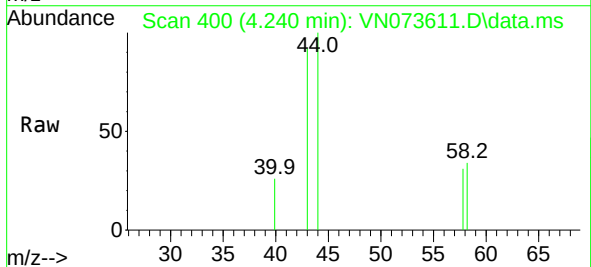
Instrument :
MSVOA_N
ClientSampleId :
IBLK

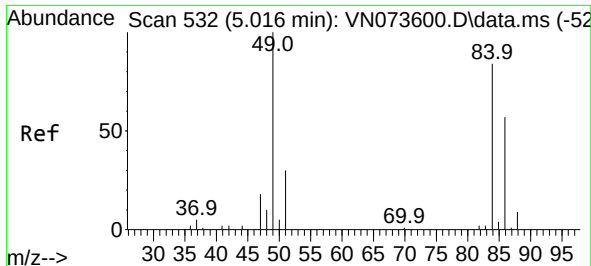
Tgt Ion: 56 Resp: 391
Ion Ratio Lower Upper
56 100
55 46.8 57.6 86.4#



#15
Acetone
Concen: 0.368 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.012 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 58 Resp: 253
Ion Ratio Lower Upper
58 100
43 31.1 256.6 384.8#

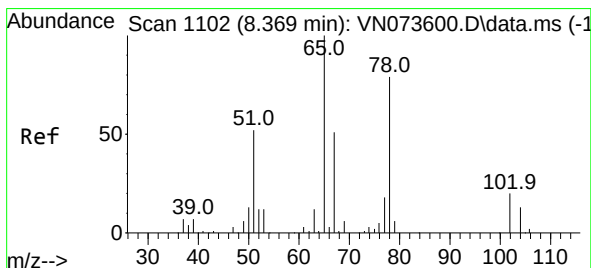
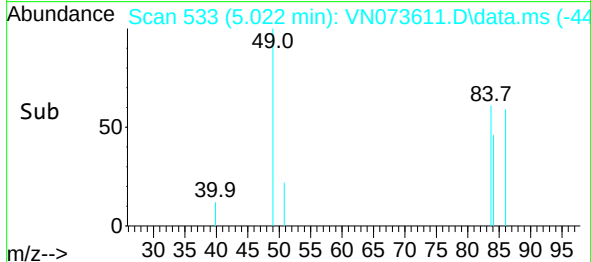
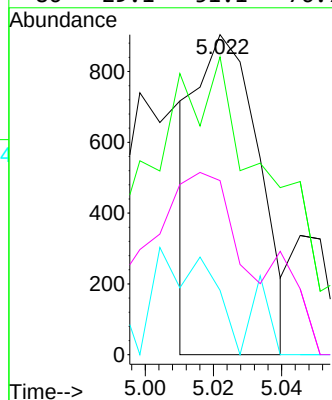
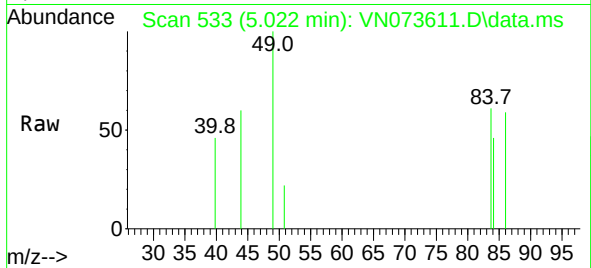




#18
Methylene Chloride
Concen: 0.288 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

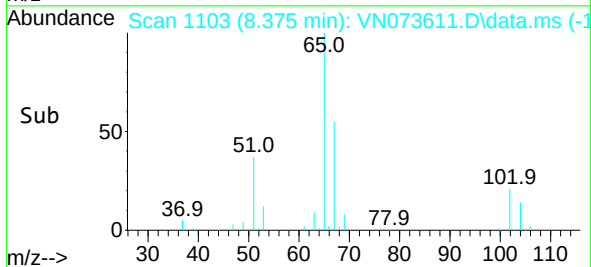
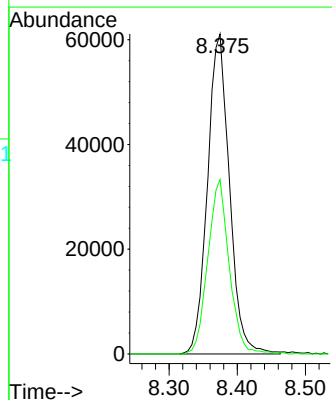
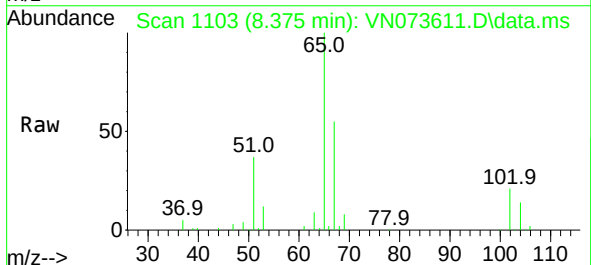
Instrument :
MSVOA_N
ClientSampleId :
IBLK

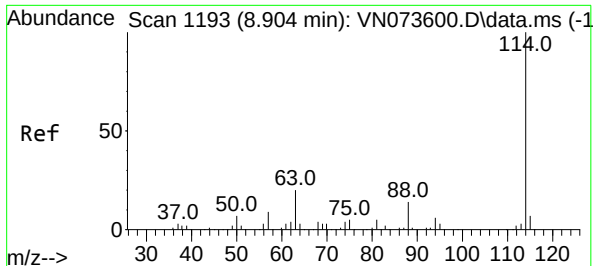
Tgt Ion: 84 Resp: 1150
Ion Ratio Lower Upper
84 100
49 53.7 91.4 137.0#
51 26.5 29.4 44.0#
86 29.1 51.1 76.7#



#27
1,2-Dichloroethane-d4
Concen: 31.506 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 65 Resp: 137055
Ion Ratio Lower Upper
65 100
67 52.9 40.2 60.2

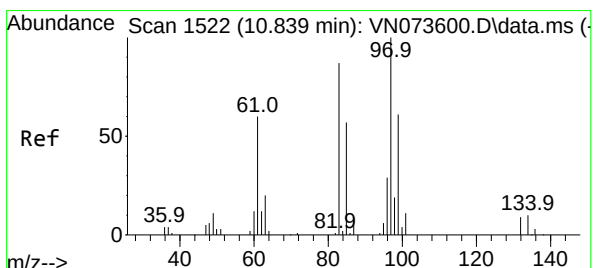
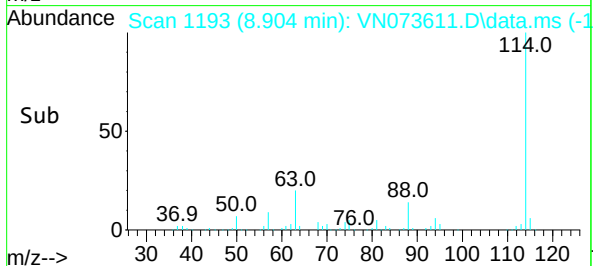
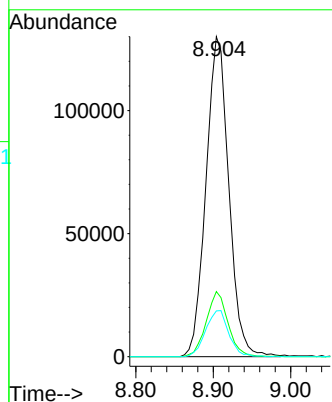
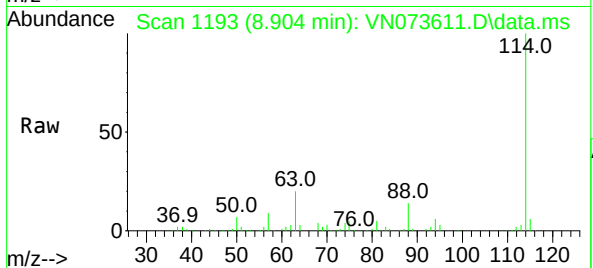




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

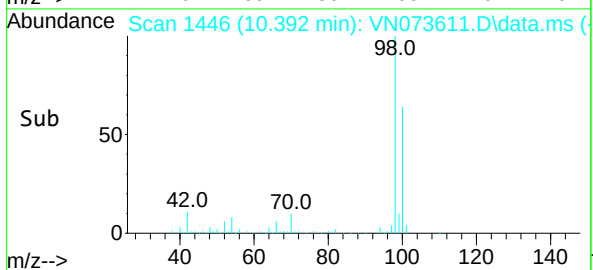
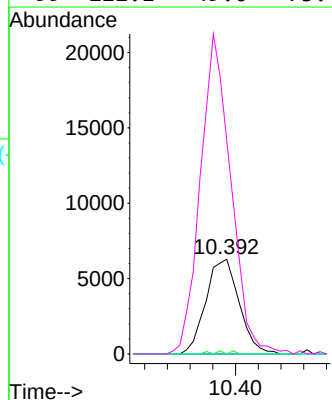
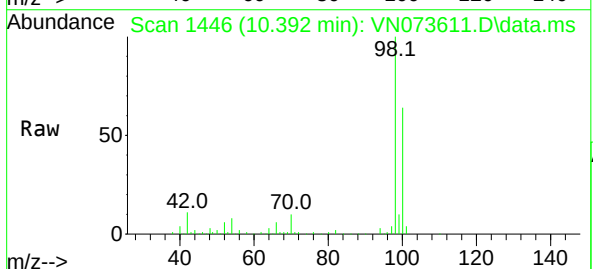
Instrument :
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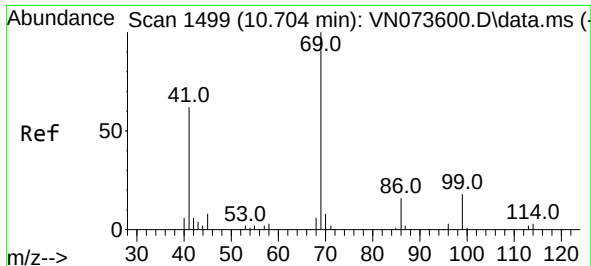
Tgt Ion:114 Resp: 266482
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.8 23.6
 88 14.5 11.6 17.4



#50
 1,1,2-Trichloroethane
 Concen: 3.096 ug/l
 RT: 10.392 min Scan# 1446
 Delta R.T. -0.447 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

Tgt Ion: 97 Resp: 12811
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.2 100.8#
 85 0.0 43.0 64.4#
 99 222.1 49.0 73.4#

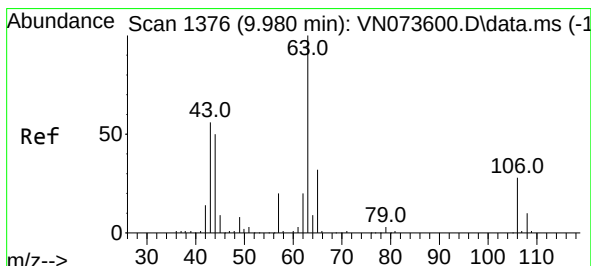
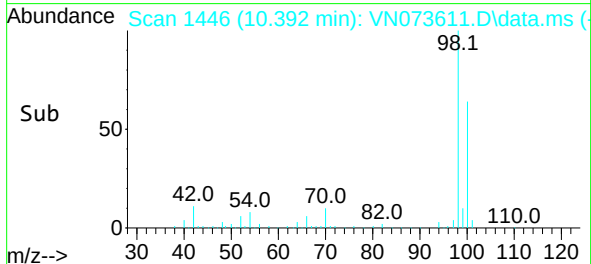
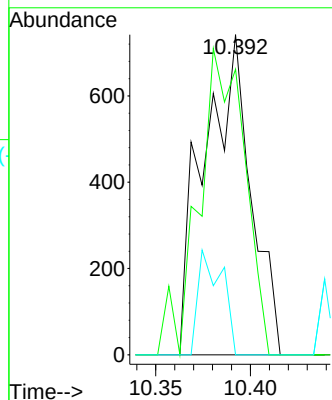
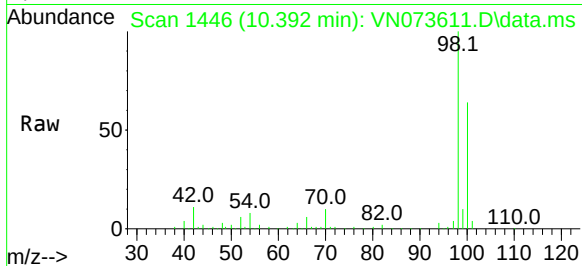




#51
Ethyl methacrylate
Concen: 0.205 ug/l
RT: 10.392 min Scan# 1499
Delta R.T. -0.312 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

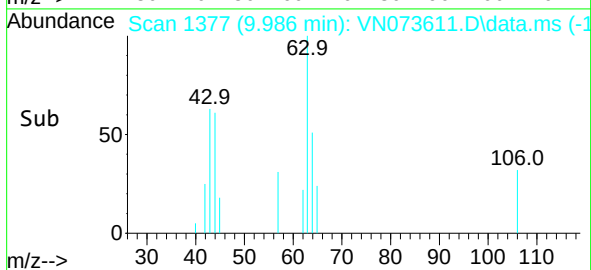
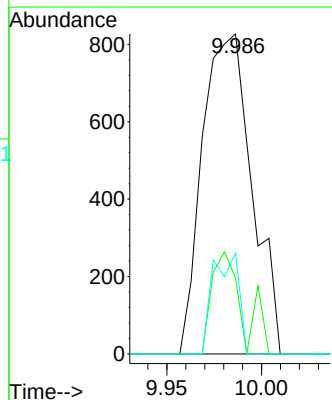
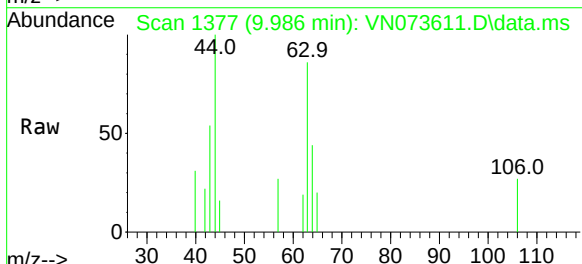
Instrument :
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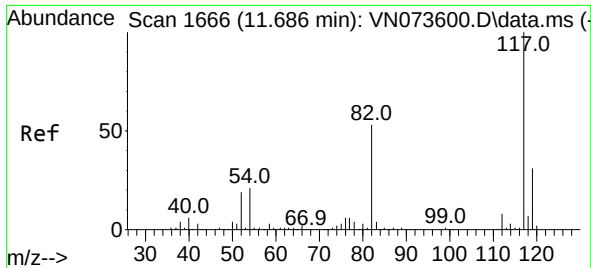
Tgt Ion: 69 Resp: 1278
Ion Ratio Lower Upper
69 100
41 89.2 33.0 98.9
39 0.0 25.4 76.4#



#55
2-Chloroethyl vinyl ether
Concen: 0.539 ug/l
RT: 9.986 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 63 Resp: 1505
Ion Ratio Lower Upper
63 100
65 15.7 25.4 38.0#
106 16.5 23.2 34.8#

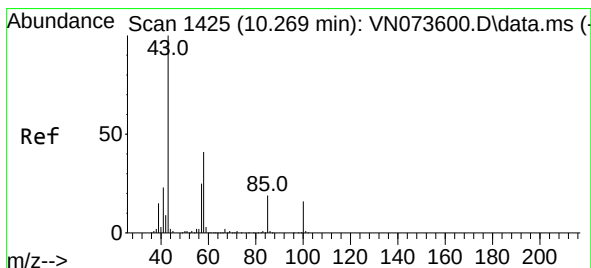
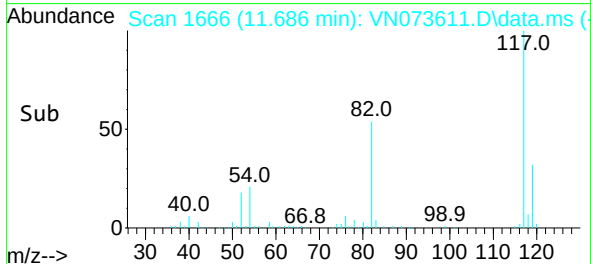
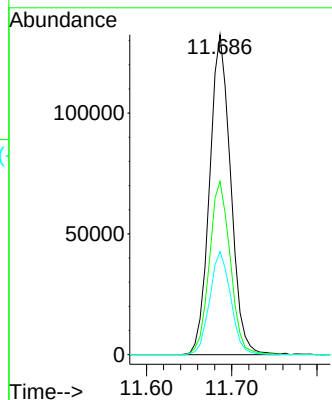
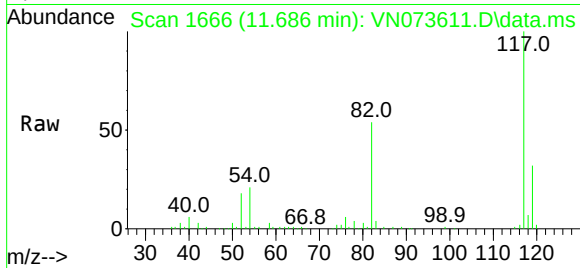




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

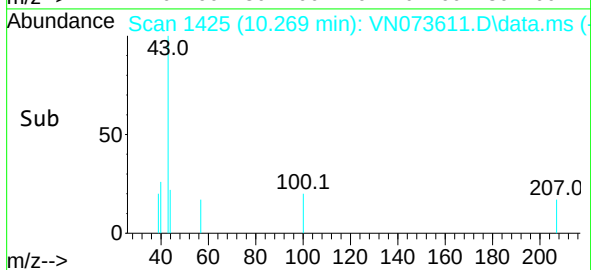
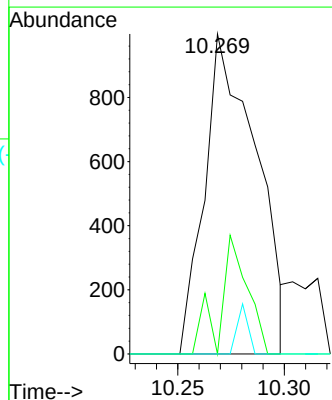
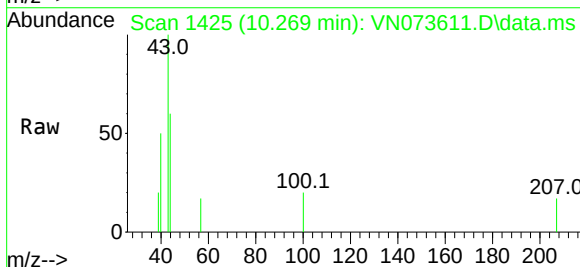
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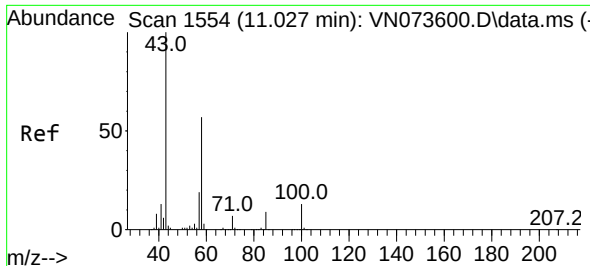
Tgt Ion:117 Resp: 227606
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.1 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.285 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 16.1 30.0 45.0#
85 0.0 15.0 22.6#

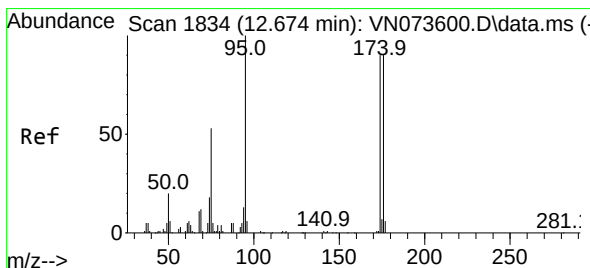
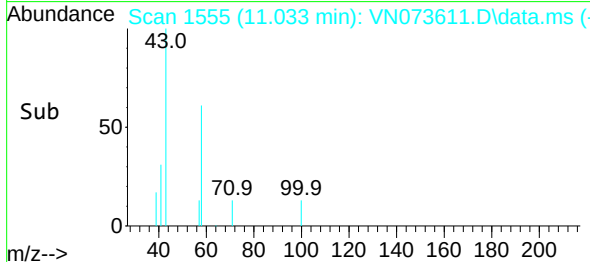
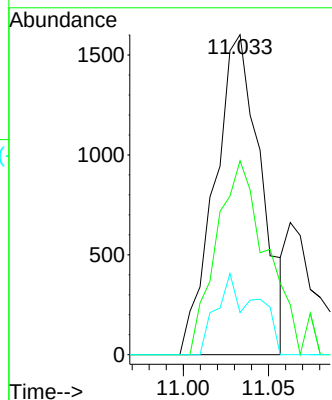
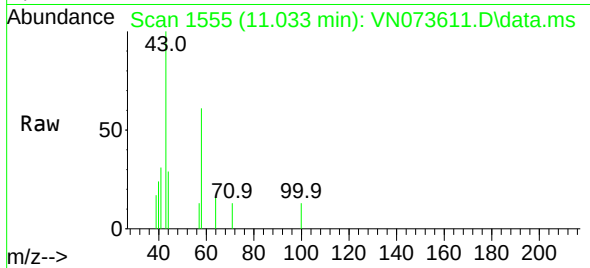




#59
2-Hexanone
Concen: 0.671 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

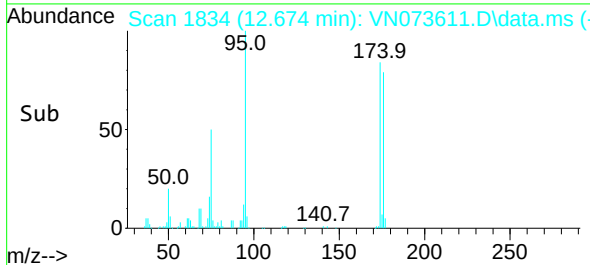
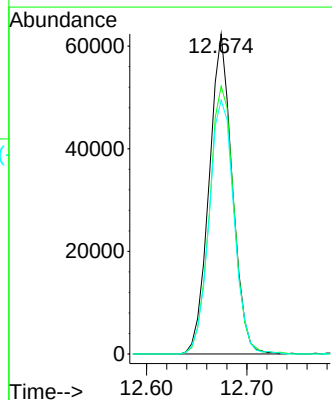
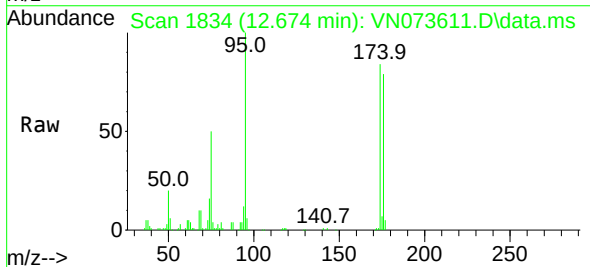
Instrument :
MSVOA_N
ClientSampleId :
IBLK

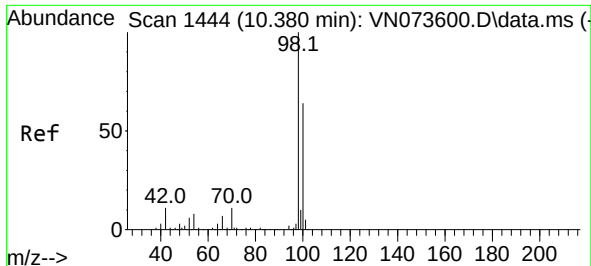
Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
58 64.8 42.2 63.2#
57 12.3 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 24.853 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 95 Resp: 100161
Ion Ratio Lower Upper
95 100
174 88.7 62.9 94.3
176 85.3 61.0 91.4

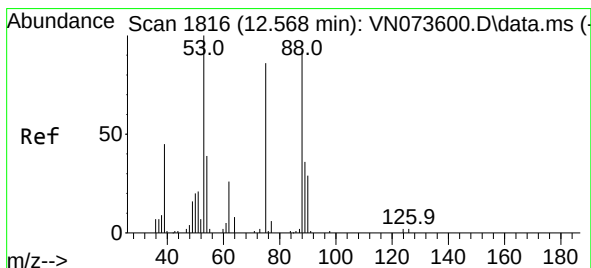
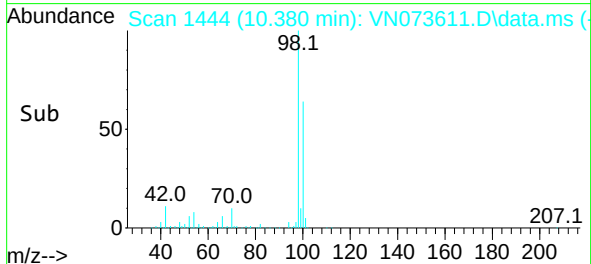
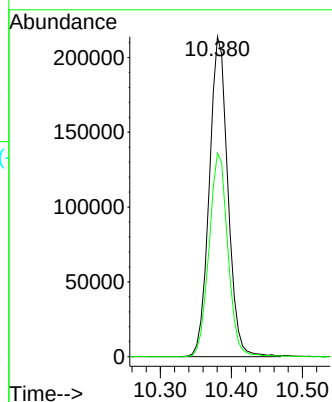
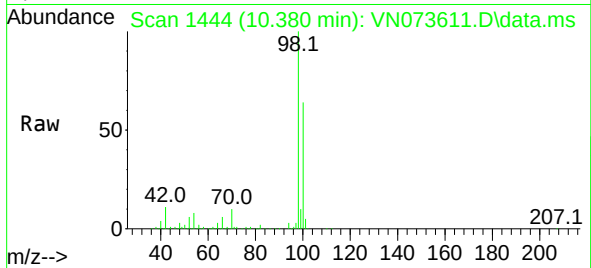




#63
Toluene-d8
Concen: 30.363 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

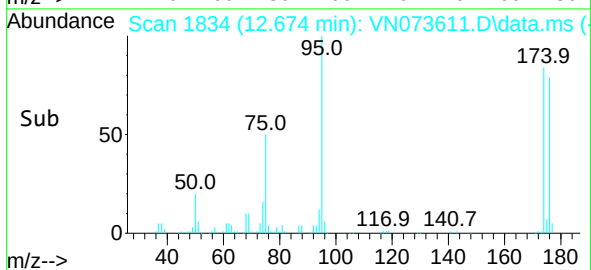
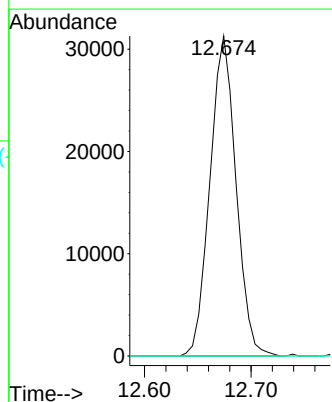
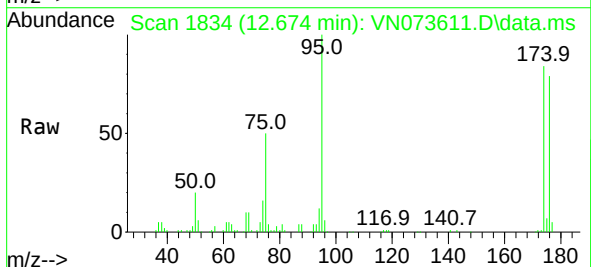
Instrument :
MSVOA_N
ClientSampleId :
IBLK

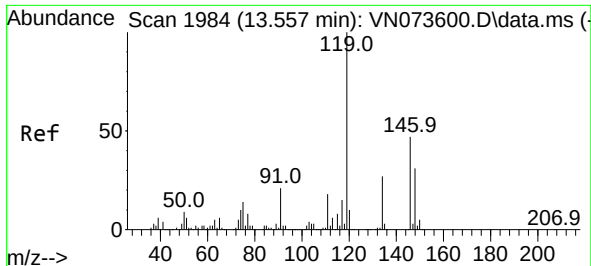
Tgt Ion: 98 Resp: 389132
Ion Ratio Lower Upper
98 100
100 64.1 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.291 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion: 75 Resp: 53241
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

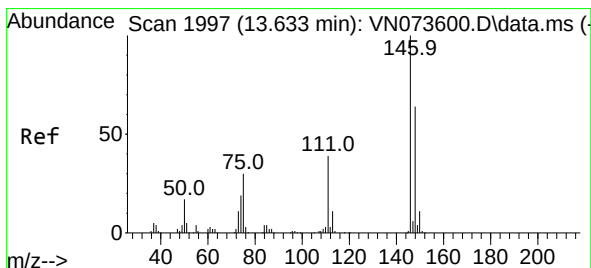
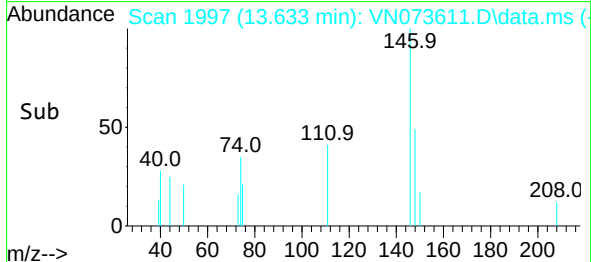
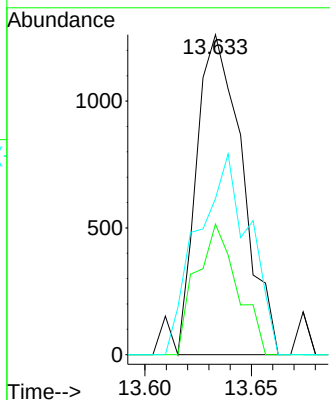
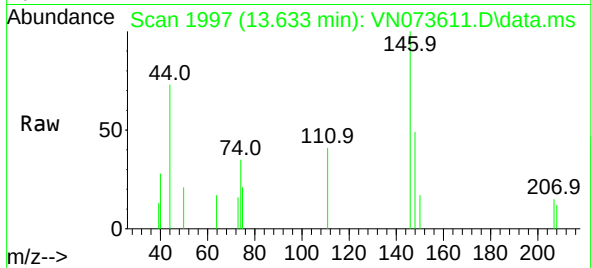




#83
 1,3-Dichlorobenzene
 Concen: 0.251 ug/l
 RT: 13.633 min Scan# 1984
 Delta R.T. 0.076 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

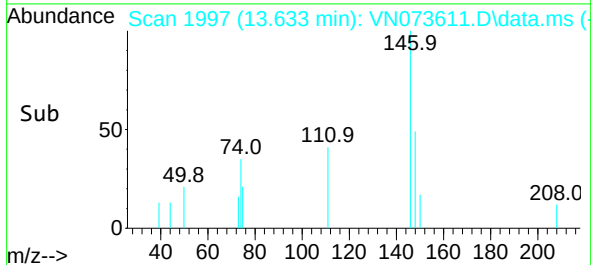
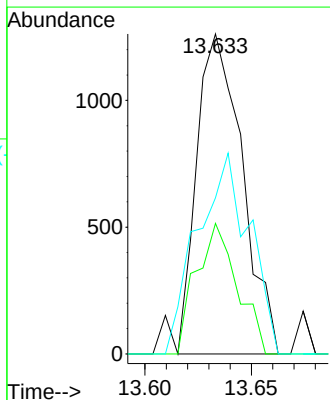
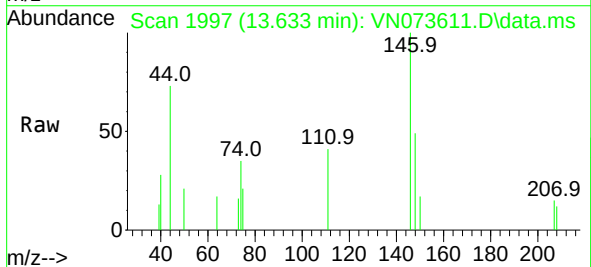
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

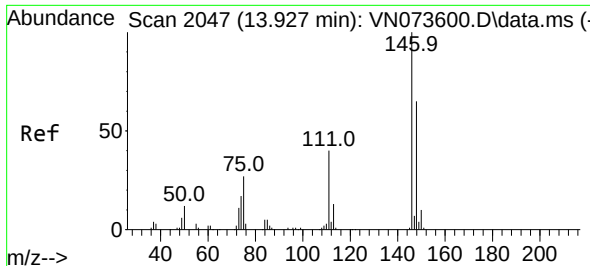
Tgt Ion:146 Resp: 1876
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.8 62.2
 148 71.5 31.4 94.3



#84
 1,4-Dichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.633 min Scan# 1997
 Delta R.T. 0.000 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

Tgt Ion:146 Resp: 1876
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.5 58.5
 148 71.5 31.1 93.5

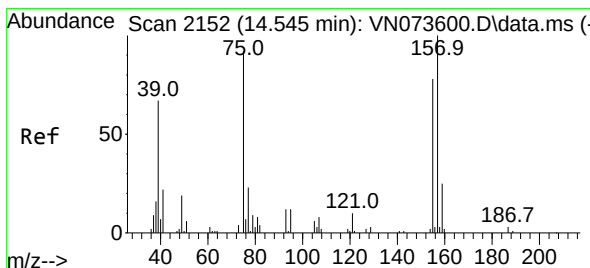
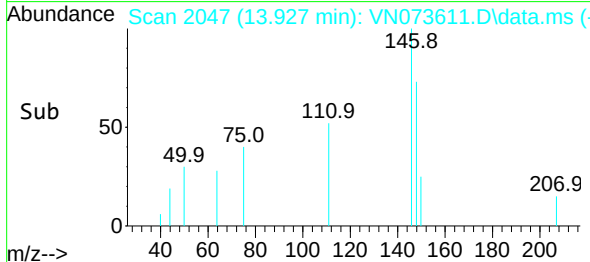
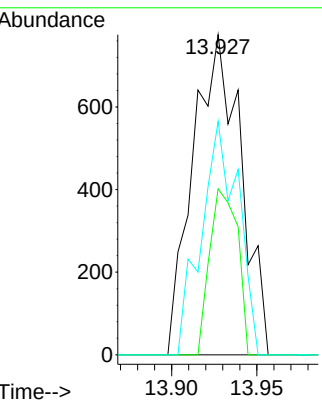
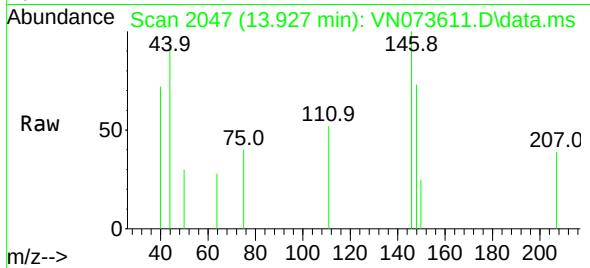




#87
 1,2-Dichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.927 min Scan# 2047
 Delta R.T. 0.000 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

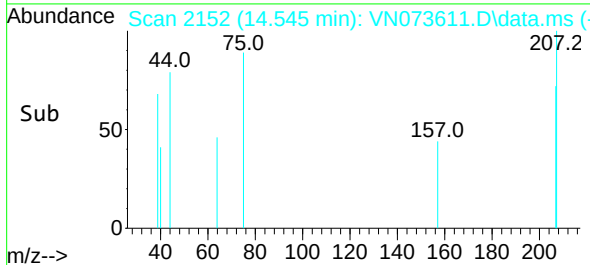
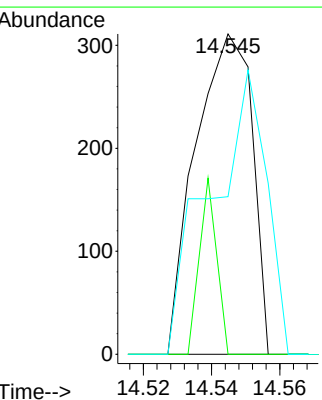
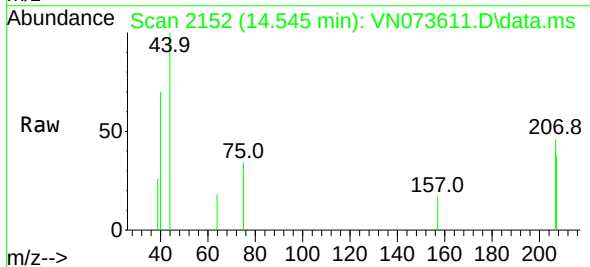
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

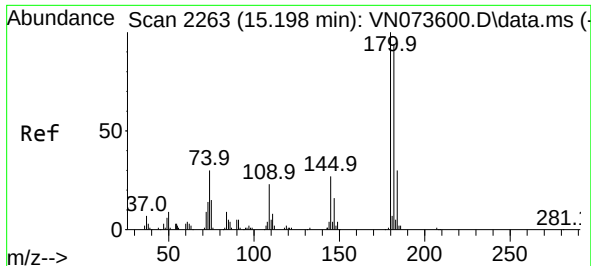
Tgt Ion:	146	Resp:	1513
Ion	Ratio	Lower	Upper
146	100		
111	30.3	21.4	64.2
148	56.4	32.5	97.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.284 ug/l
 RT: 14.545 min Scan# 2152
 Delta R.T. 0.000 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

Tgt Ion:	75	Resp:	358
Ion	Ratio	Lower	Upper
75	100		
155	0.0	63.8	95.8#
157	58.7	77.9	116.9#

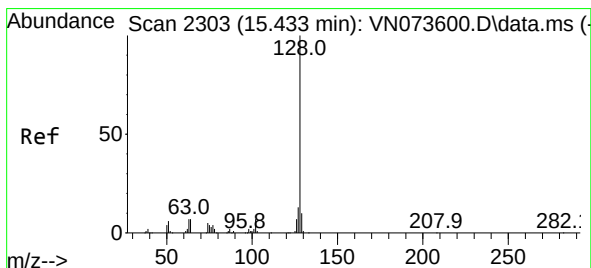
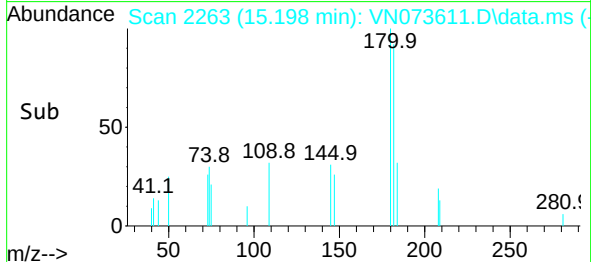
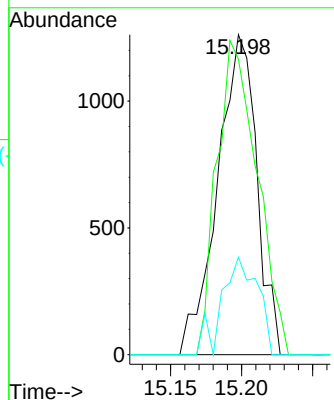
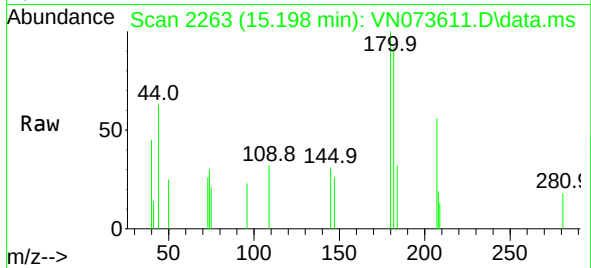




#89
1,2,4-Trichlorobenzene
Concen: 0.583 ug/l
RT: 15.198 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

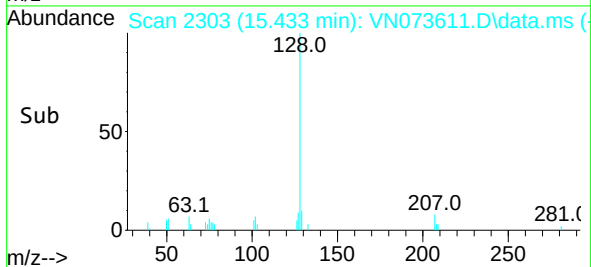
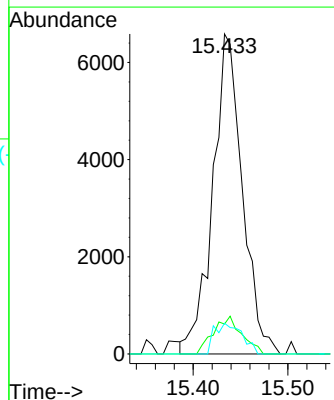
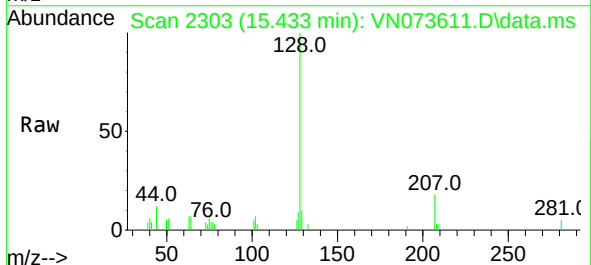
Instrument :
MSVOA_N
ClientSampleId :
IBLK

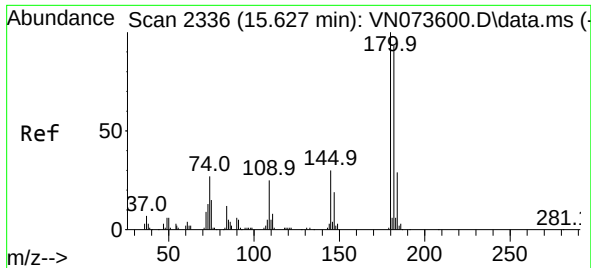
Tgt Ion:180 Resp: 2424
Ion Ratio Lower Upper
180 100
182 100.7 77.7 116.5
145 25.5 26.6 39.8#



#91
Naphthalene
Concen: 1.048 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073611.D
Acq: 27 Jul 2022 17:16

Tgt Ion:128 Resp: 14300
Ion Ratio Lower Upper
128 100
127 11.2 10.7 16.1
129 6.4 9.0 13.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.840 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073611.D
 Acq: 27 Jul 2022 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	190.0
145	9.9	0.0	67.8

