

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074024.D
 Acq On : 19 Aug 2022 14:10
 Operator : JC\MD
 Sample : N4246-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220817006-01-TRIP-BLANK

Quant Time: Aug 20 02:46:07 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)

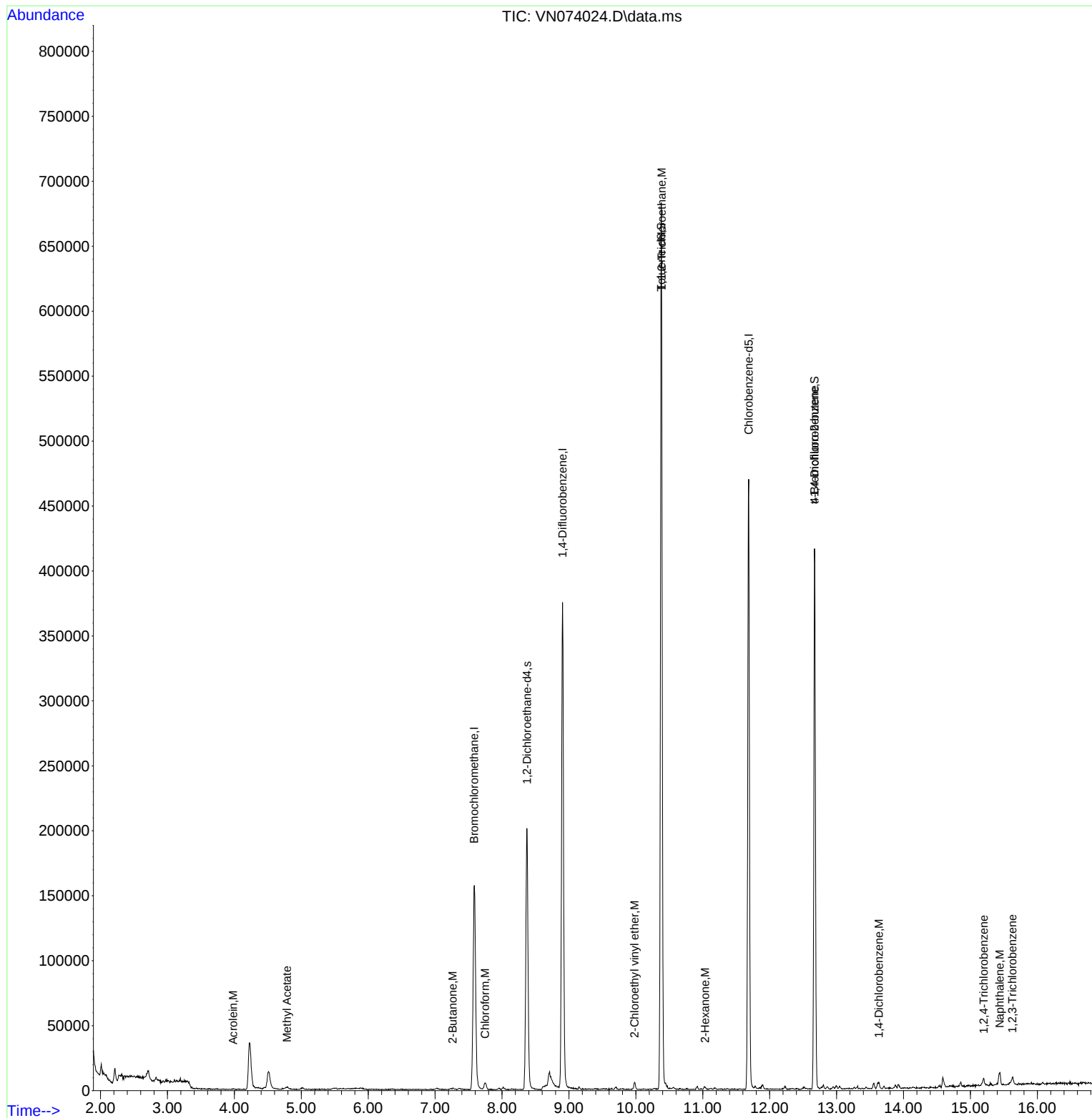
Internal Standards						
1) Bromochloromethane	7.581	128	65849	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	344243	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.687	117	294912	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.375	65	169247	29.727	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.100%
60) 4-Bromofluorobenzene	12.669	95	136084	26.060	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.867%
63) Toluene-d8	10.381	98	481536	28.998	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.667%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.787	43	3459	0.494	ug/l #	76
13) Acrolein	3.981	56	259	0.210	ug/l #	66
25) Chloroform	7.746	83	5410	0.594	ug/l #	79
30) 2-Butanone	7.263	43	1420	0.319	ug/l #	81
50) 1,1,2-Trichloroethane	10.387	97	15162	2.836	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.981	63	2632	0.730	ug/l #	93
59) 2-Hexanone	11.034	43	1893	0.322	ug/l #	78
77) t-1,4-Dichloro-2-butene	12.669	75	67286	29.545	ug/l #	8
84) 1,4-Dichlorobenzene	13.633	146	1888	0.202	ug/l	93
89) 1,2,4-Trichlorobenzene	15.198	180	2716	0.504	ug/l #	92
91) Naphthalene	15.439	128	11324	0.641	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	2869	0.519	ug/l	88

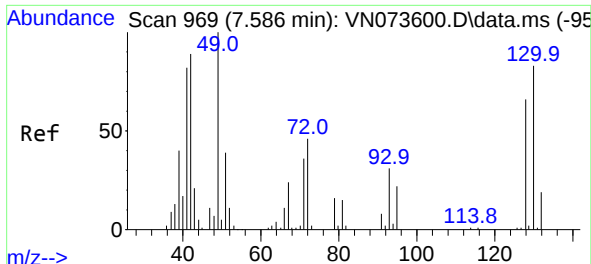
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220817006-01-TRIP-BLANK

Quant Time: Aug 20 02:46:07 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

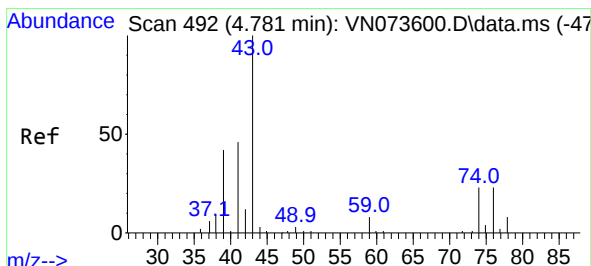
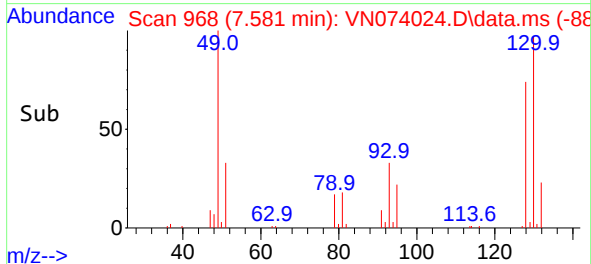
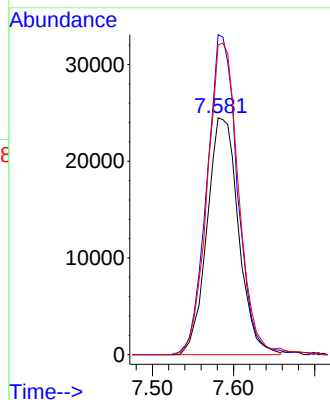
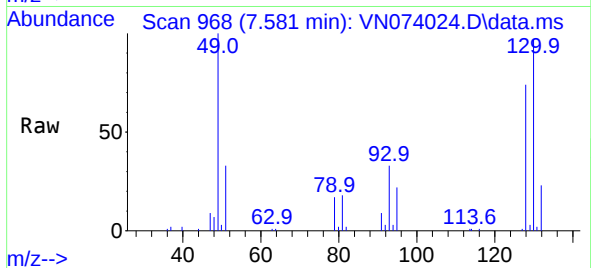




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.581 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

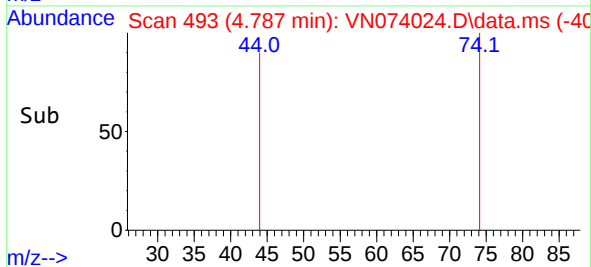
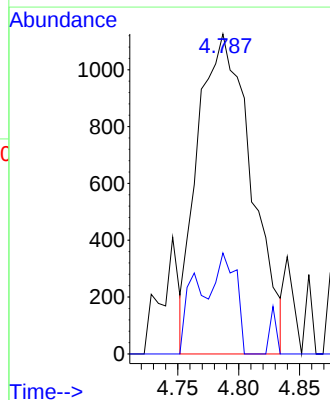
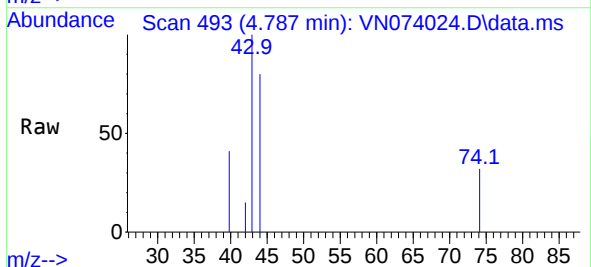
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MSVOA_N
ClientSampleId :
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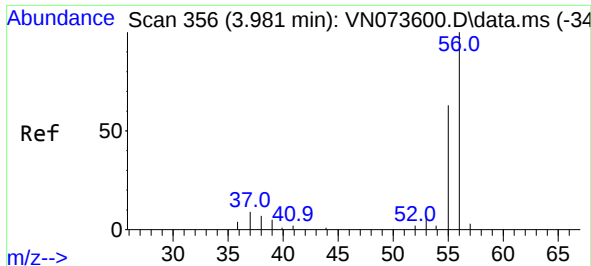
Tgt Ion:128 Resp: 65849
Ion Ratio Lower Upper
128 100
49 130.9 0.0 392.3
130 129.8 0.0 320.2



#12
Methyl Acetate
Concen: 0.494 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 43 Resp: 3459
Ion Ratio Lower Upper
43 100
74 38.4 20.8 31.2#

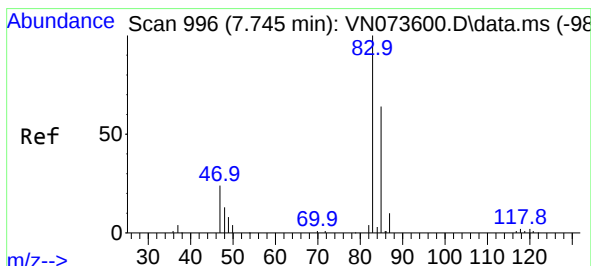
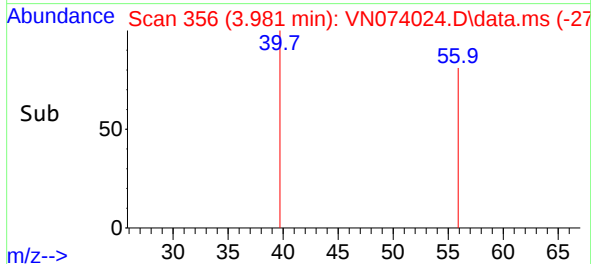
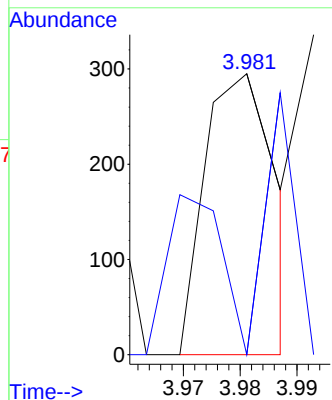
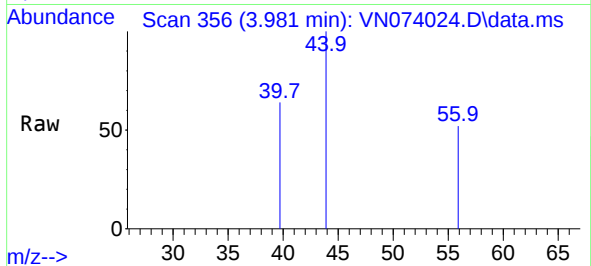




#13
Acrolein
Concen: 0.210 ug/l
RT: 3.981 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

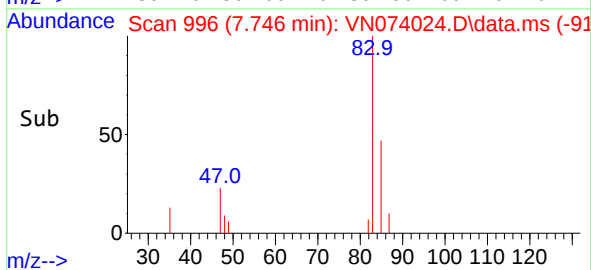
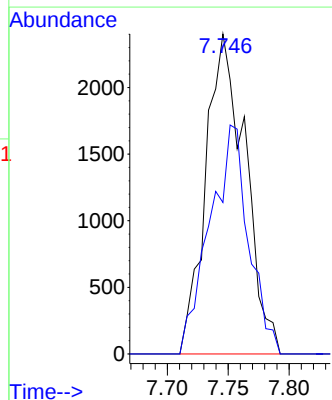
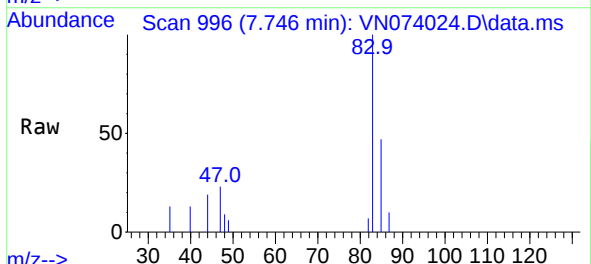
Instrument :
MSVOA_N
ClientSampleId :
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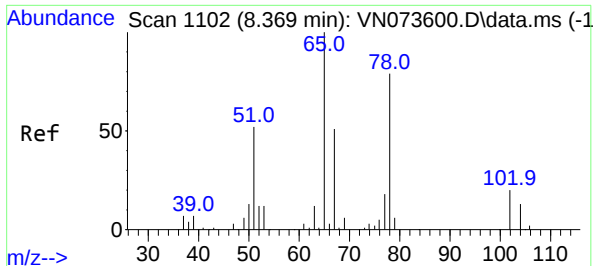
Tgt Ion: 56 Resp: 259
Ion Ratio Lower Upper
56 100
55 43.6 57.6 86.4#



#25
Chloroform
Concen: 0.594 ug/l
RT: 7.746 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 83 Resp: 5410
Ion Ratio Lower Upper
83 100
85 47.4 51.3 76.9#

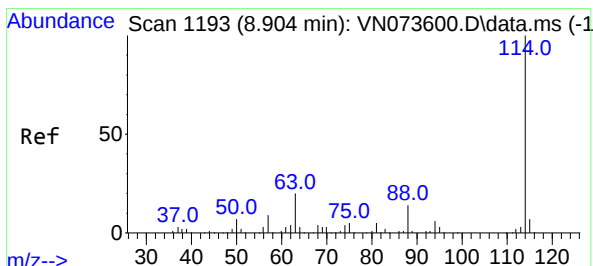
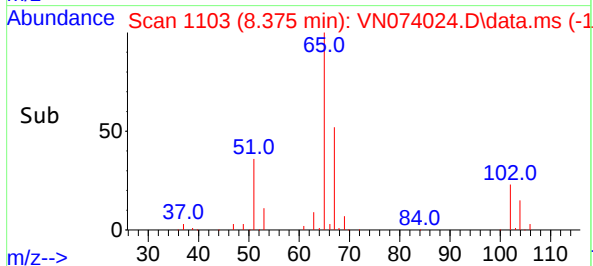
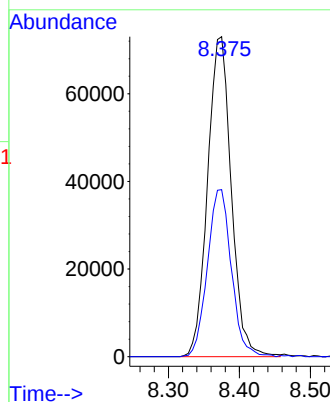
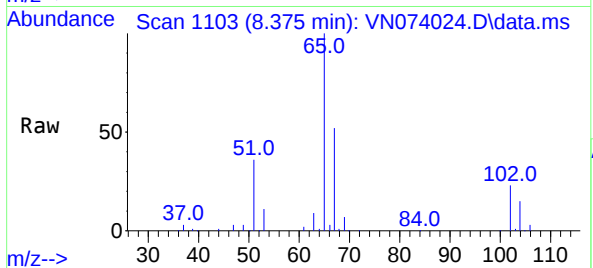




#27
1,2-Dichloroethane-d4
Concen: 29.727 ug/l
RT: 8.375 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

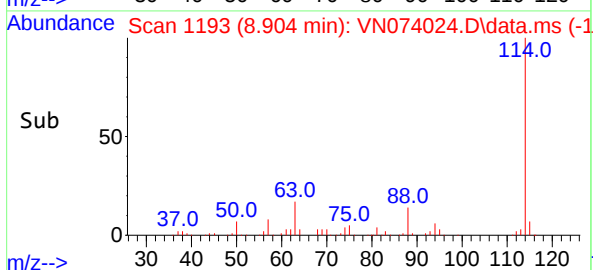
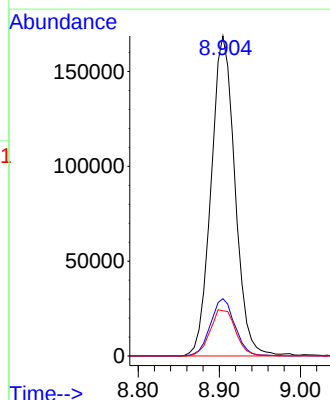
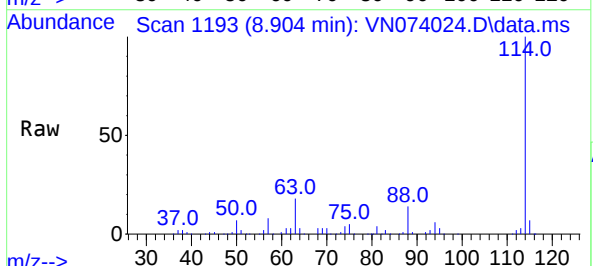
Instrument :
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ClientSampleId :
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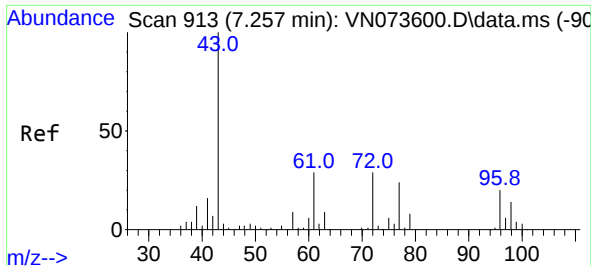
Tgt Ion: 65 Resp: 169247
Ion Ratio Lower Upper
65 100
67 52.6 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 114 Resp: 344243
Ion Ratio Lower Upper
114 100
63 18.3 15.8 23.6
88 15.4 11.6 17.4

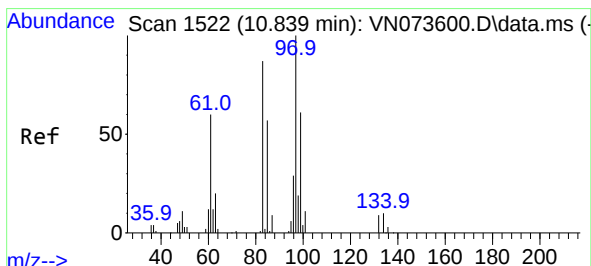
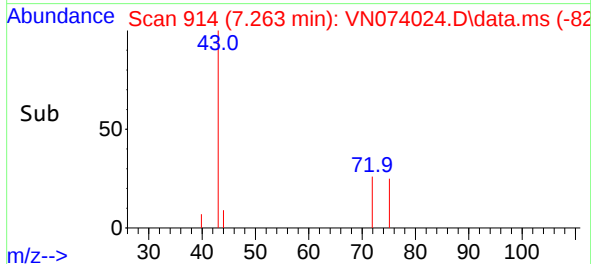
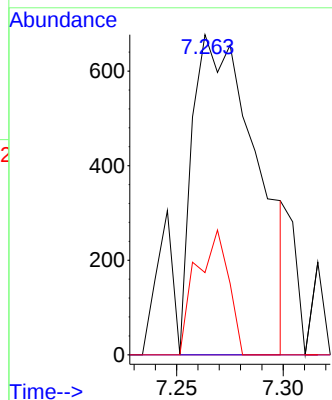
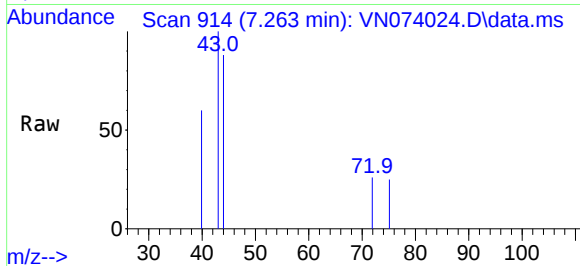




#30
2-Butanone
Concen: 0.319 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

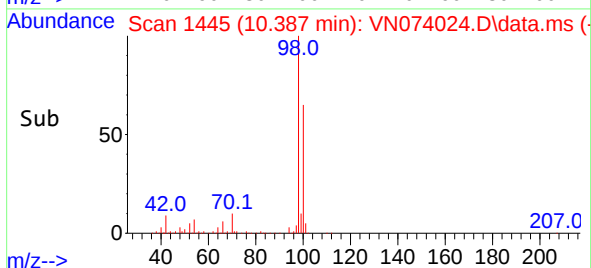
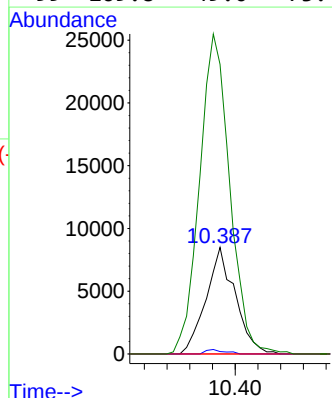
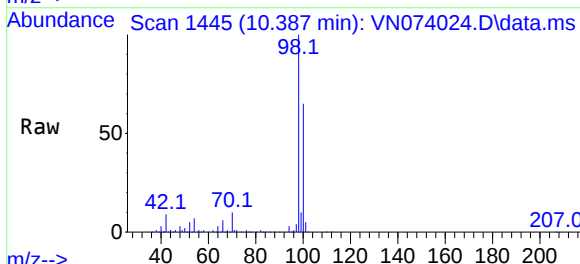
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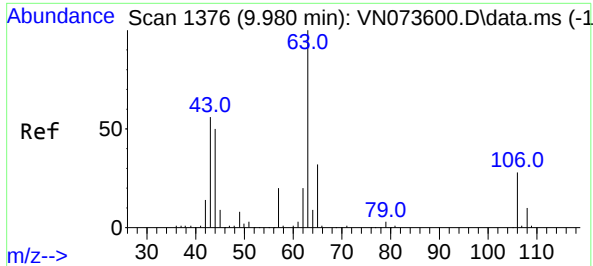
Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 19.5 23.2 34.8#



#50
1,1,2-Trichloroethane
Concen: 2.836 ug/l
RT: 10.387 min Scan# 1445
Delta R.T. -0.453 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 97 Resp: 15162
Ion Ratio Lower Upper
97 100
83 2.2 67.2 100.8#
85 0.0 43.0 64.4#
99 269.8 49.0 73.4#

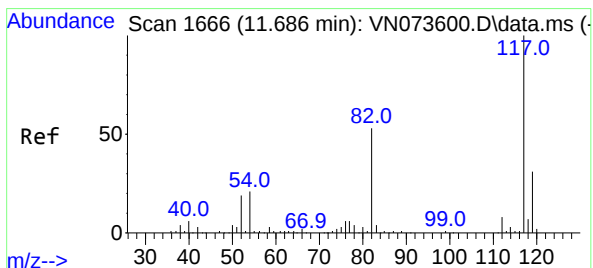
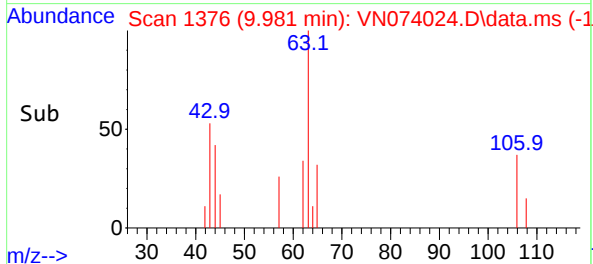
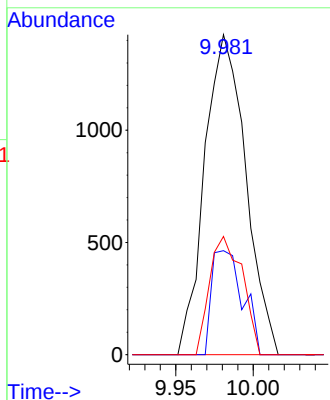
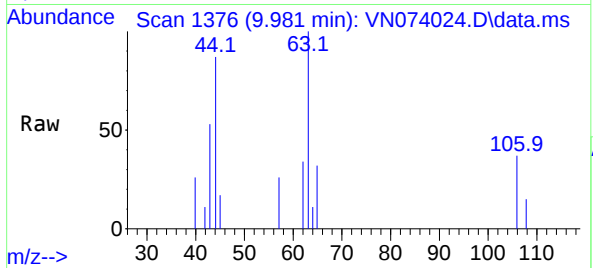




#55
2-Chloroethyl vinyl ether
Concen: 0.730 ug/l
RT: 9.981 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

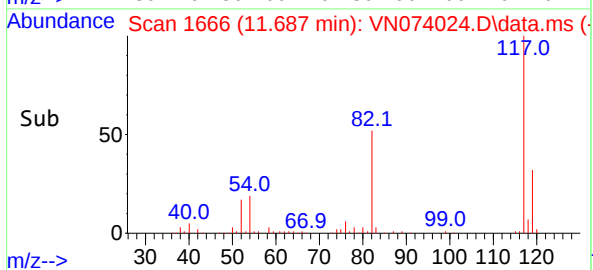
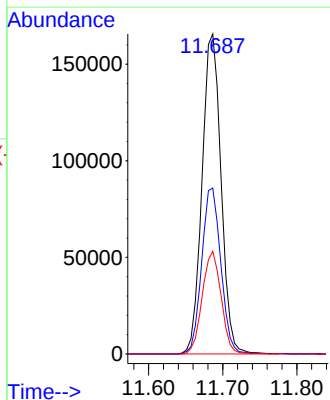
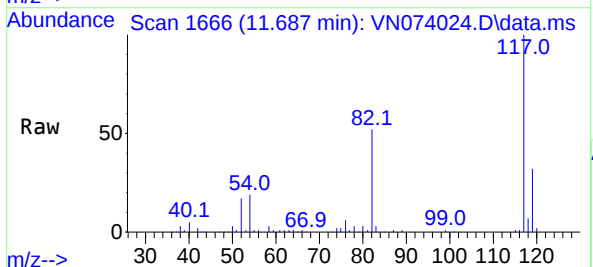
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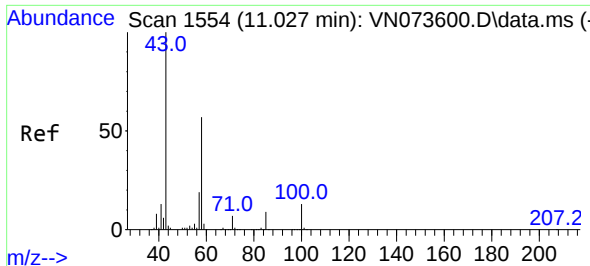
Tgt Ion: 63 Resp: 2632
Ion Ratio Lower Upper
63 100
65 24.5 25.4 38.0#
106 29.4 23.2 34.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.687 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 117 Resp: 294912
Ion Ratio Lower Upper
117 100
82 52.4 43.6 65.4
119 31.7 25.8 38.6

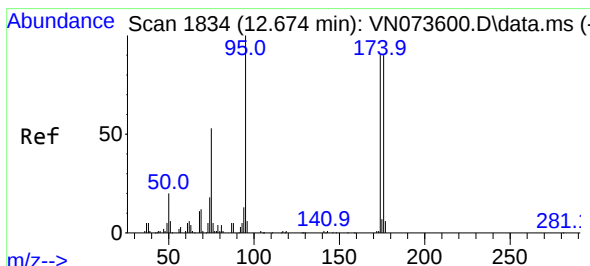
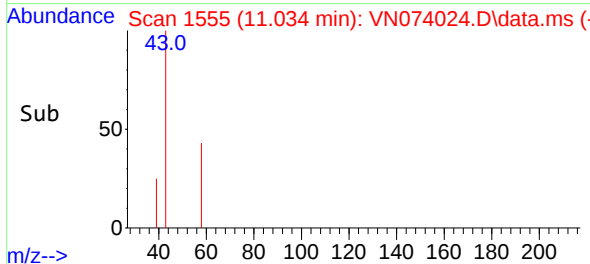
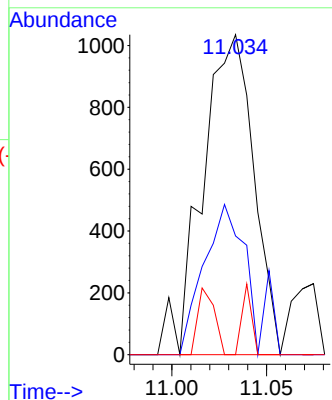
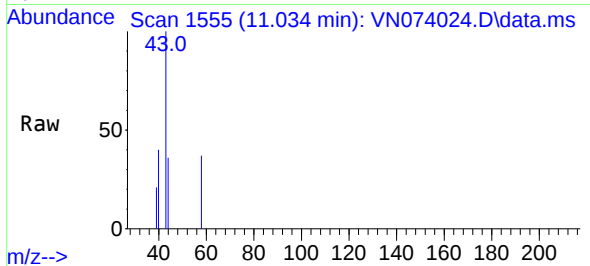




#59
2-Hexanone
Concen: 0.322 ug/l
RT: 11.034 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

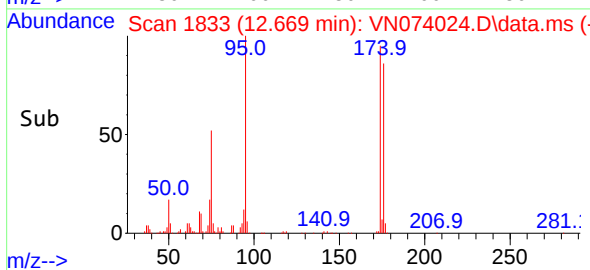
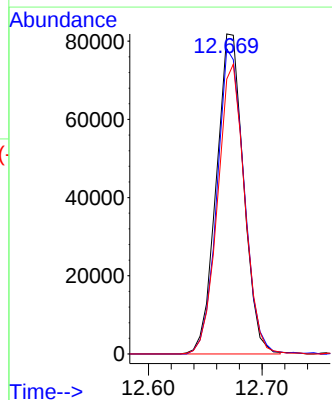
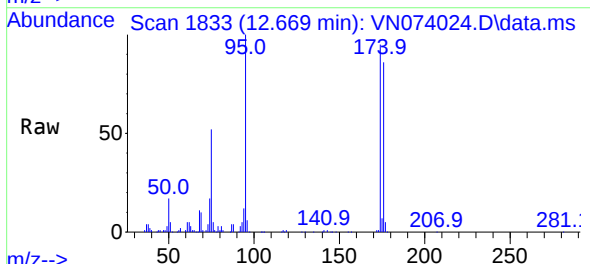
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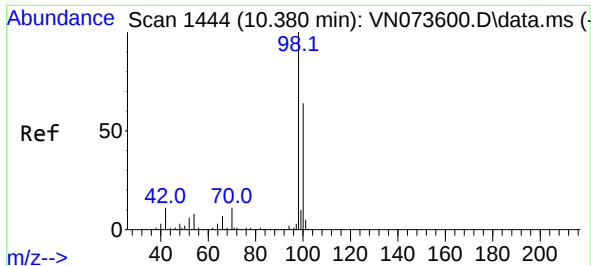
Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
58 37.8 42.2 63.2#
57 7.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 26.060 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 95 Resp: 136084
Ion Ratio Lower Upper
95 100
174 95.0 62.9 94.3#
176 89.9 61.0 91.4

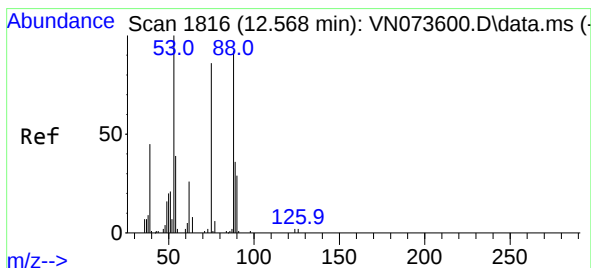
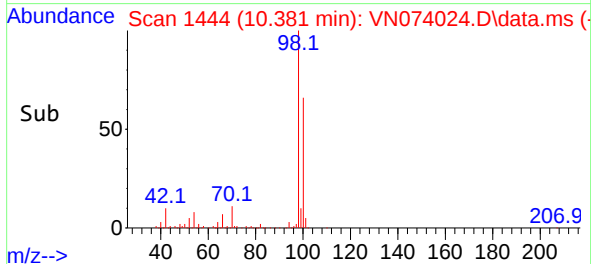
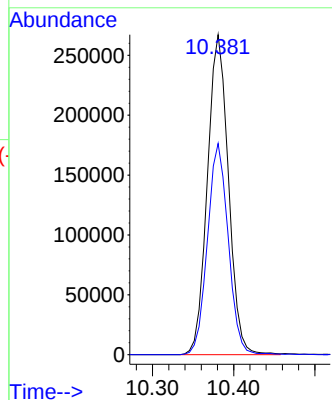
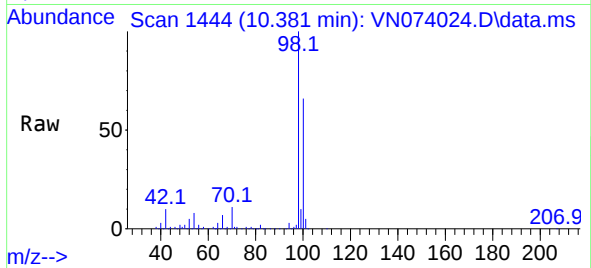




#63
Toluene-d8
Concen: 28.998 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

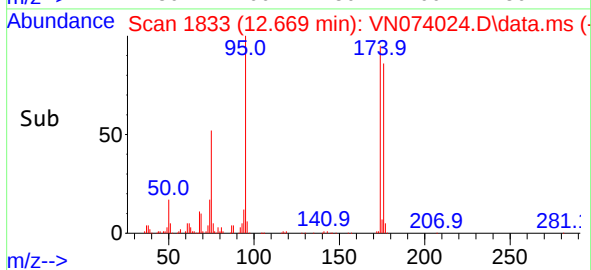
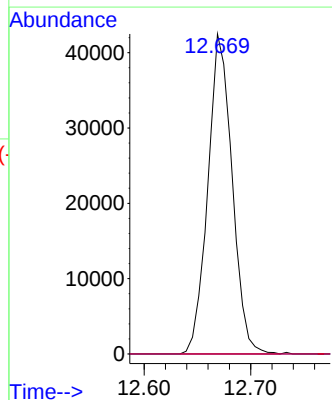
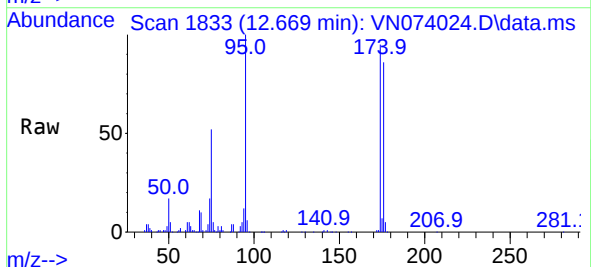
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ClientSampleId :
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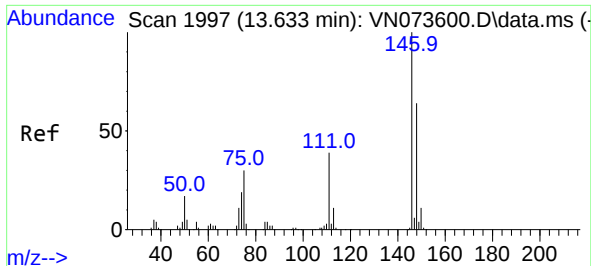
Tgt Ion: 98 Resp: 481536
Ion Ratio Lower Upper
98 100
100 64.8 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 29.545 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion: 75 Resp: 67286
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

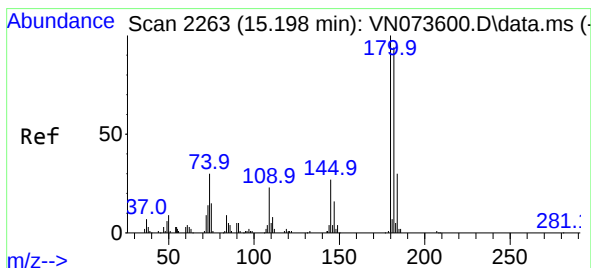
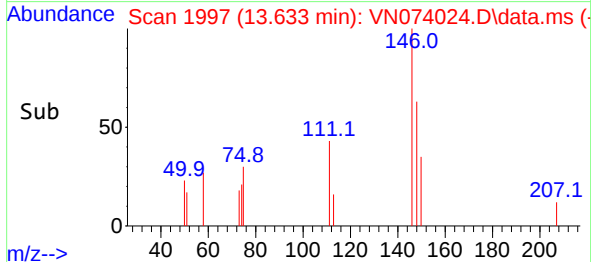
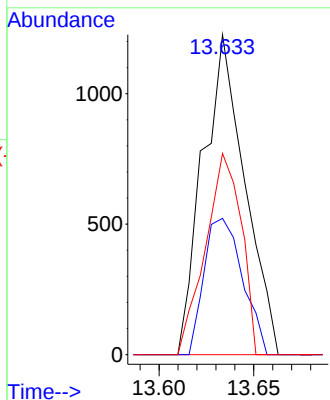
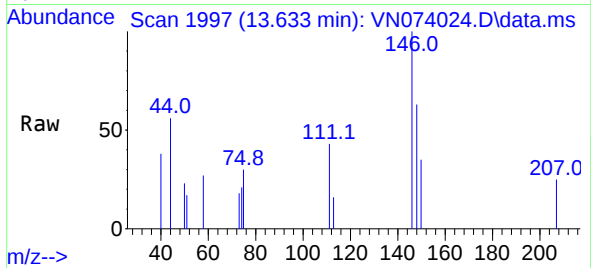




#84
1,4-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

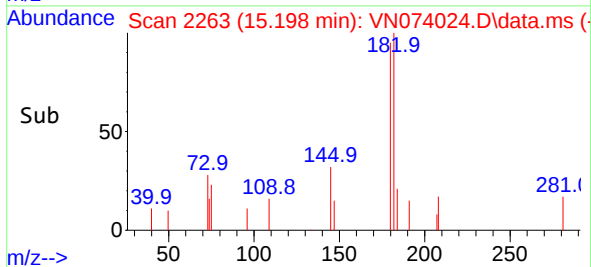
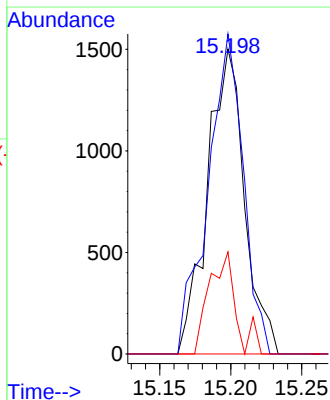
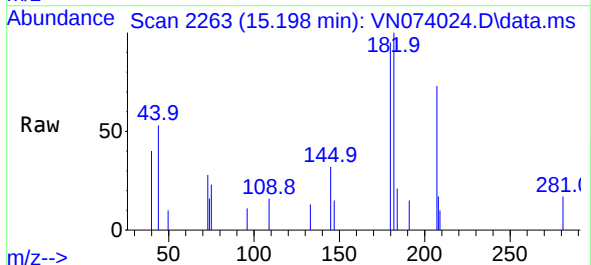
Instrument :
MSVOA_N
ClientSampleId :
220817006-01-TRIP-BLANK

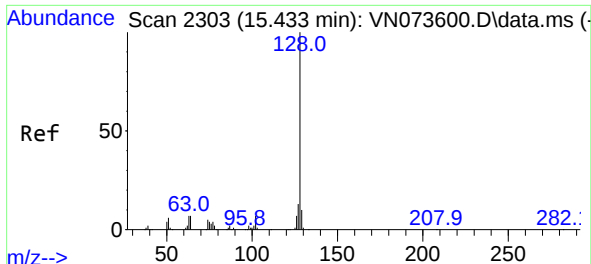
Tgt Ion:	146	Resp:	1888
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	53.7	31.1	93.5



#89
1,2,4-Trichlorobenzene
Concen: 0.504 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion:	180	Resp:	2716
Ion	Ratio	Lower	Upper
180	100		
182	100.4	77.7	116.5
145	21.8	26.6	39.8

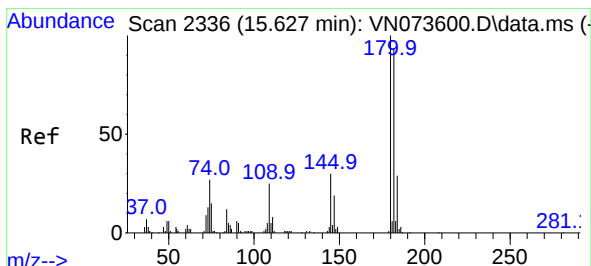
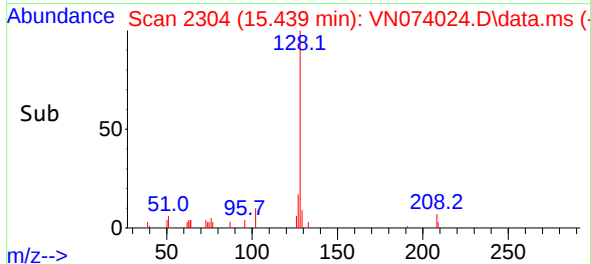
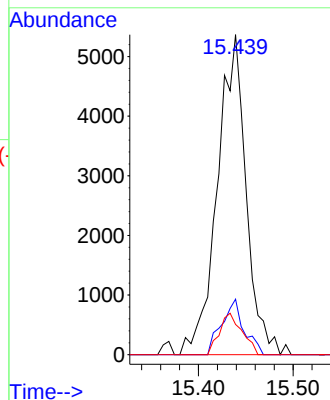
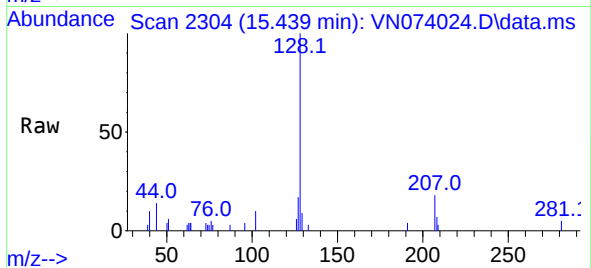




#91
Naphthalene
Concen: 0.641 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Instrument :
MSVOA_N
ClientSampleId :
220817006-01-TRIP-BLANK

Tgt Ion:	128	Resp:	11324
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.2	9.0	13.6



#92
1,2,3-Trichlorobenzene
Concen: 0.519 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074024.D
Acq: 19 Aug 2022 14:10

Tgt Ion:	180	Resp:	2869
Ion	Ratio	Lower	Upper
180	100		
182	89.5	0.0	190.0
145	16.9	0.0	67.8

