

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075061.D
 Acq On : 28 Oct 2022 15:24
 Operator : JC\MD
 Sample : N5315-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 221026025-02-TRIP-BLANK

Quant Time: Oct 31 01:51:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

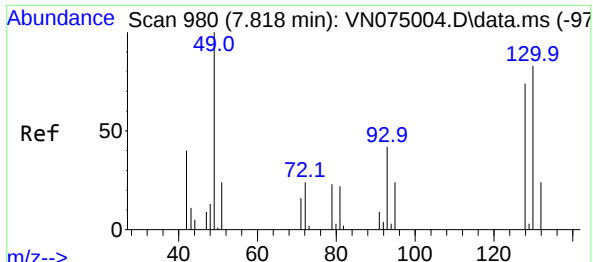
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.818	128	12741	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	69587	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	58657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	37948	32.574	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.567%			
60) 4-Bromofluorobenzene	12.847	95	30022	26.049	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.833%			
63) Toluene-d8	10.571	98	104588	31.880	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.267%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.912	94	226	0.232	ug/l #	3
12) Methyl Acetate	5.047	43	643	0.520	ug/l #	49
15) Acetone	4.459	58	970	6.796	ug/l #	11
17) Allyl chloride	4.742	41	273	0.279	ug/l #	14
25) Chloroform	7.971	83	1795	1.030	ug/l	94
36) 1,2-Dichloroethane	9.094	62	1158	0.856	ug/l #	77
50) 1,1,2-Trichloroethane	10.576	97	3409	3.339	ug/l #	1
56) Bromoform	12.859	173	387	0.477	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	408	0.322	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	17314	13.020	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	17314	37.275	ug/l #	8

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

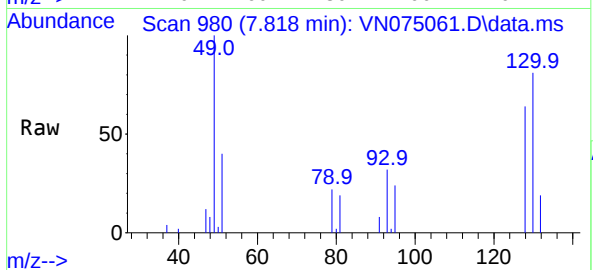
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 27 10:19:47 2022
Response via : Initial Calibration



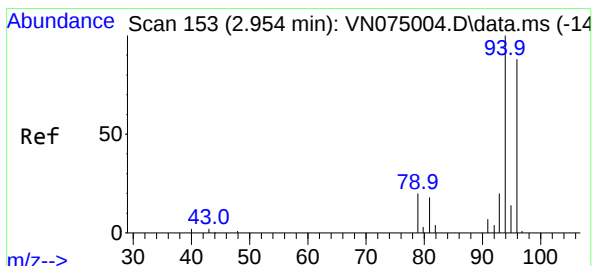
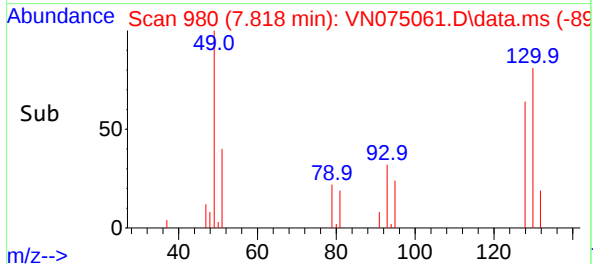
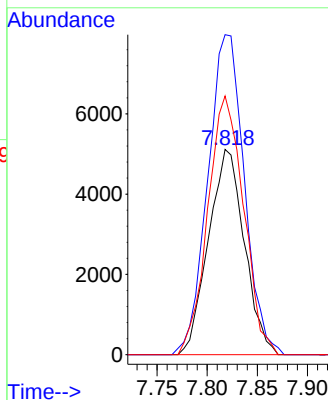


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Instrument :
MSVOA_N
ClientSampleId :
221026025-02-TRIP-BLANK

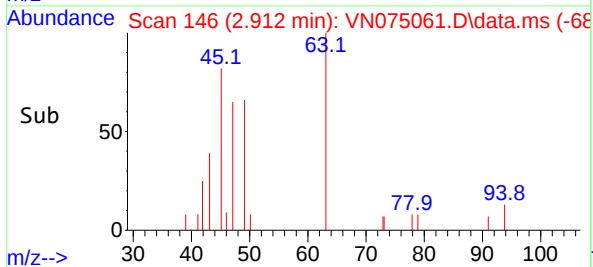
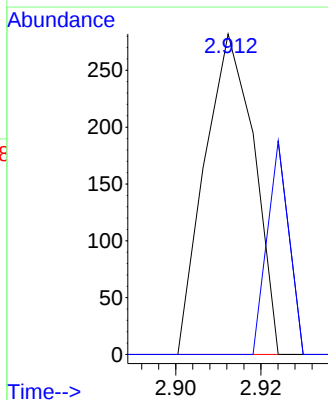
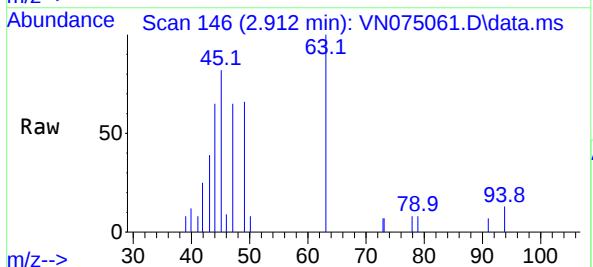


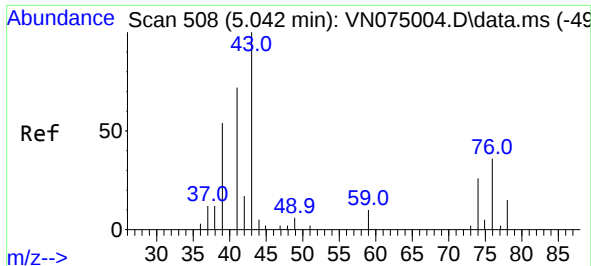
Tgt Ion:128 Resp: 12741
Ion Ratio Lower Upper
128 100
49 158.3 0.0 392.3
130 126.0 0.0 320.2



#5
Bromomethane
Concen: 0.232 ug/l
RT: 2.912 min Scan# 146
Delta R.T. -0.041 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#

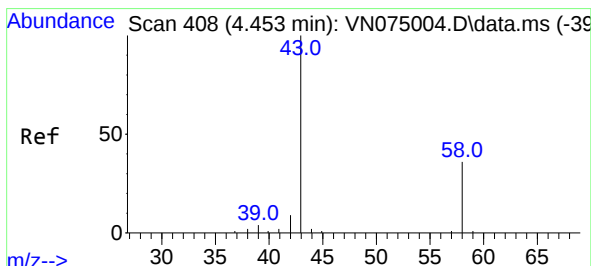
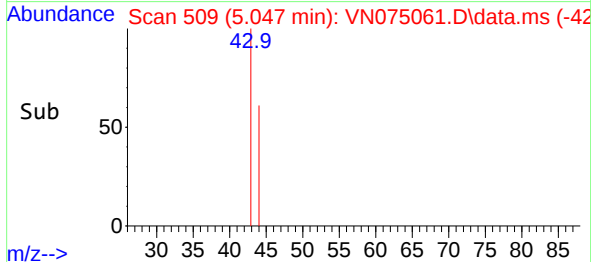
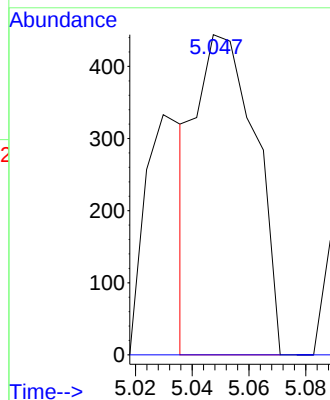
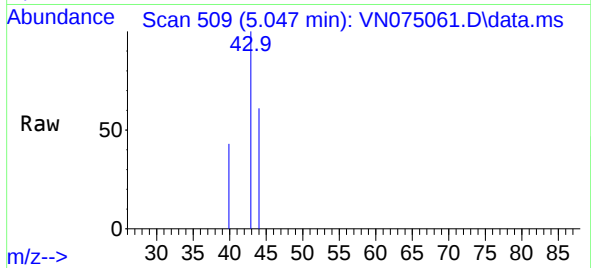




#12
Methyl Acetate
Concen: 0.520 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

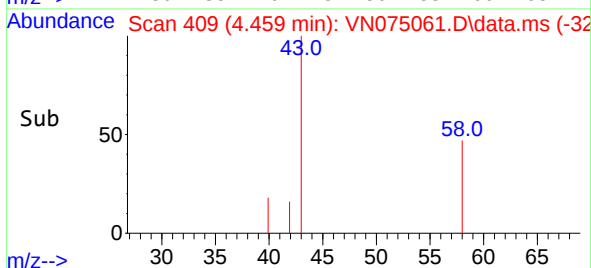
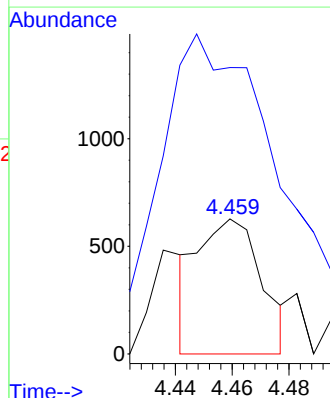
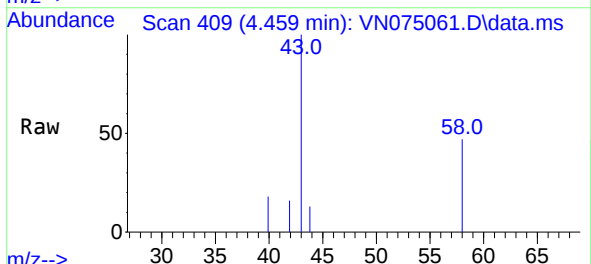
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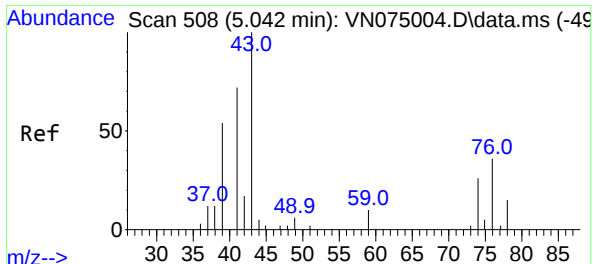
Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#15
Acetone
Concen: 6.796 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion: 58 Resp: 970
Ion Ratio Lower Upper
58 100
43 139.2 256.6 384.8#

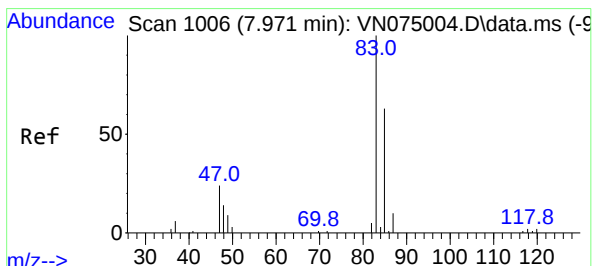
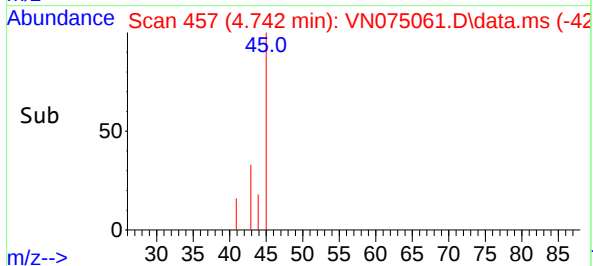
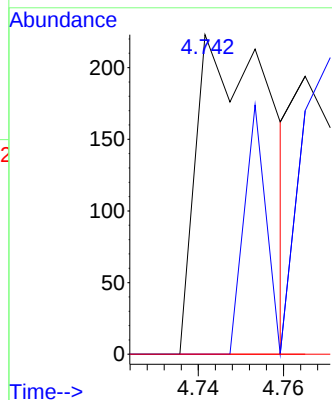
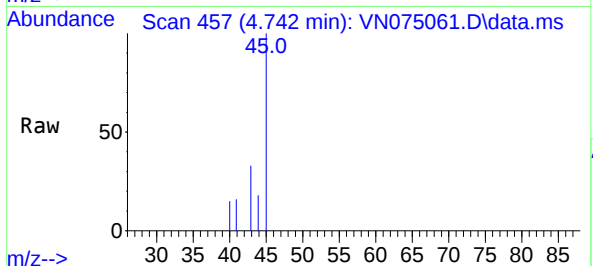




#17
Allyl chloride
Concen: 0.279 ug/l
RT: 4.742 min Scan# 41
Delta R.T. -0.300 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

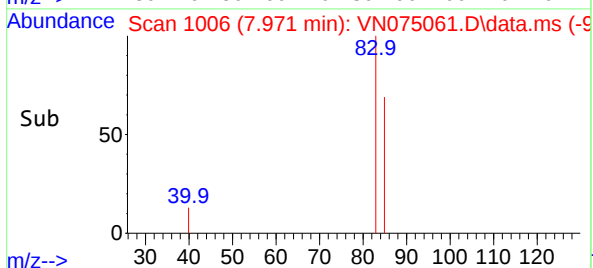
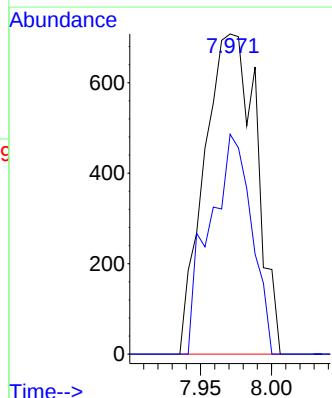
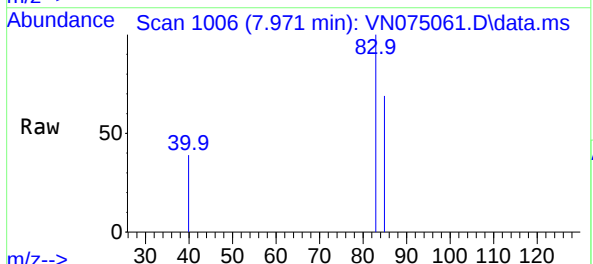
Instrument :
MSVOA_N
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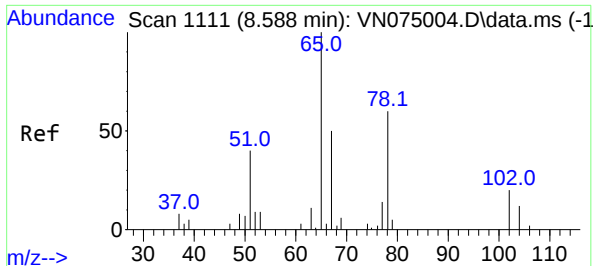
Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
39 0.0 44.6 134.0#
76 0.0 19.6 58.7#



#25
Chloroform
Concen: 1.030 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion: 83 Resp: 1795
Ion Ratio Lower Upper
83 100
85 68.6 51.3 76.9

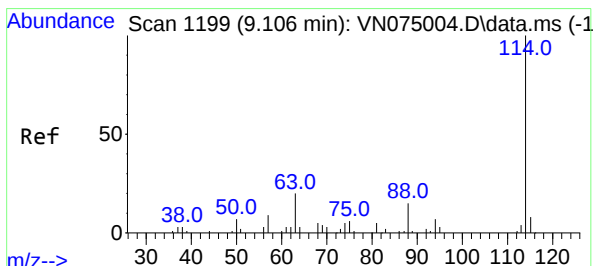
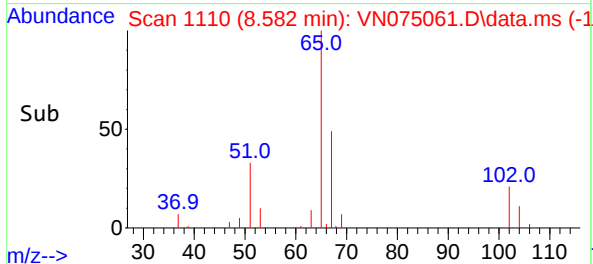
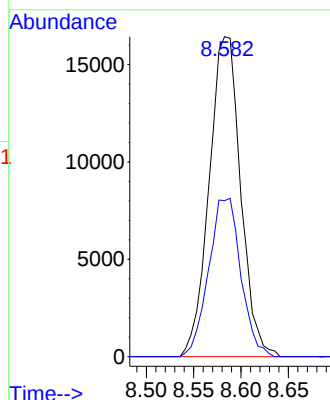
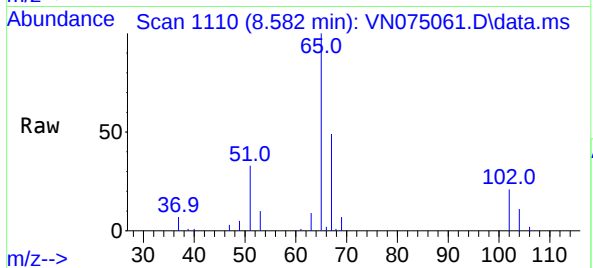




#27
1,2-Dichloroethane-d4
Concen: 32.574 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

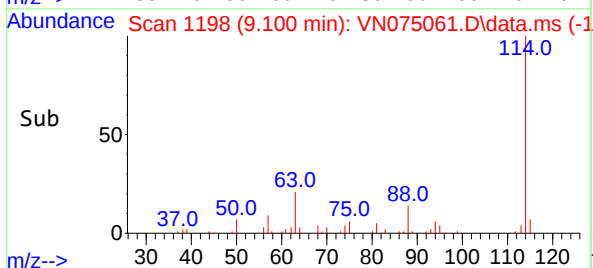
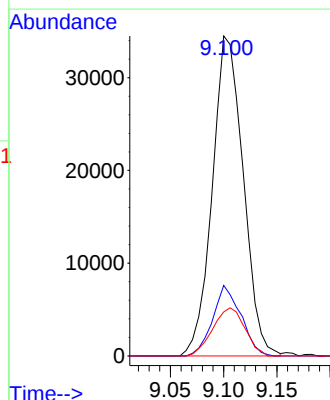
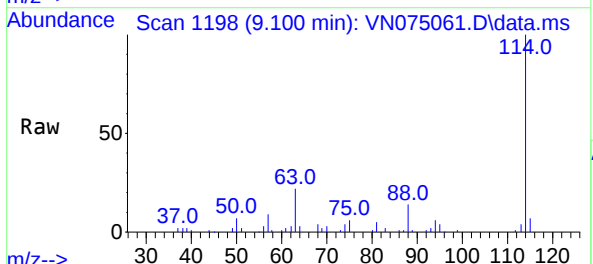
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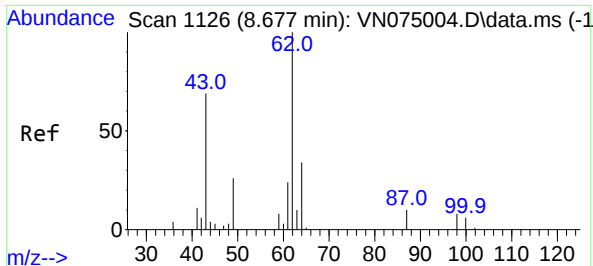
Tgt Ion: 65 Resp: 37948
Ion Ratio Lower Upper
65 100
67 50.6 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1198
Delta R.T. -0.006 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion: 114 Resp: 69587
Ion Ratio Lower Upper
114 100
63 20.1 15.8 23.6
88 15.7 11.6 17.4

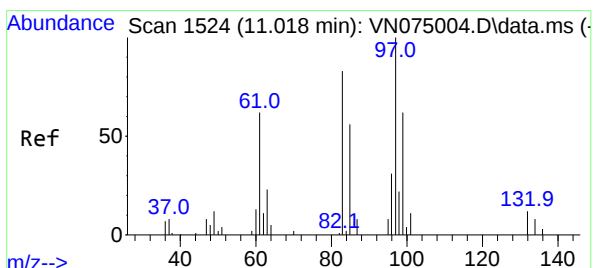
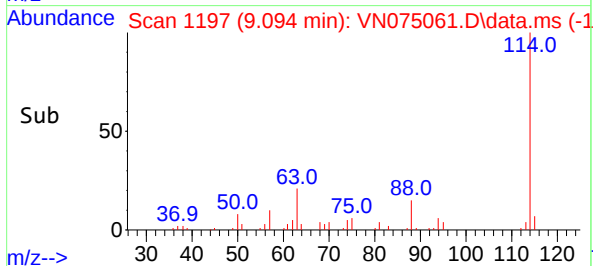
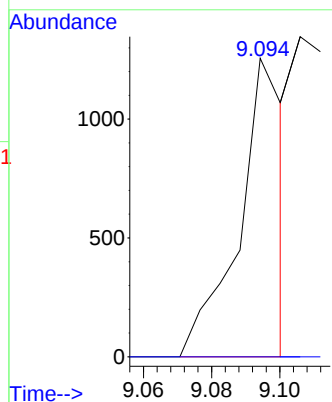
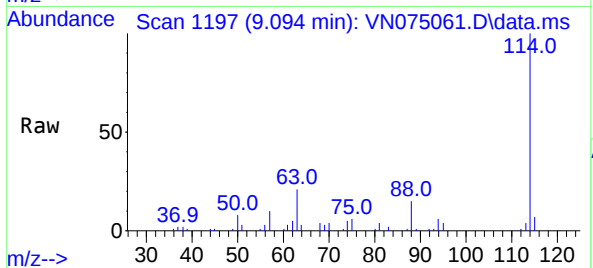




#36
1,2-Dichloroethane
Concen: 0.856 ug/l
RT: 9.094 min Scan# 1126
Delta R.T. 0.418 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

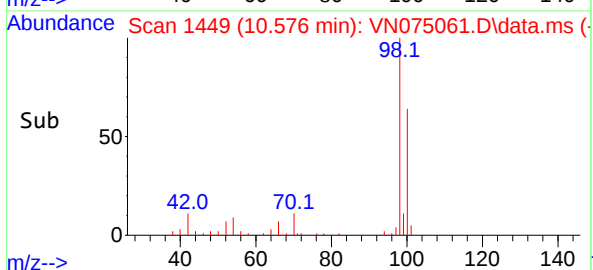
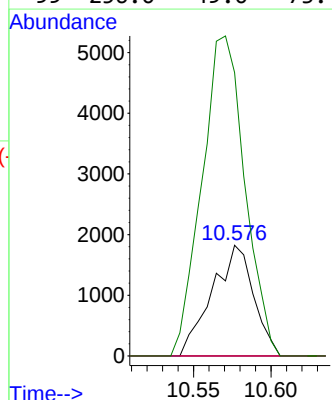
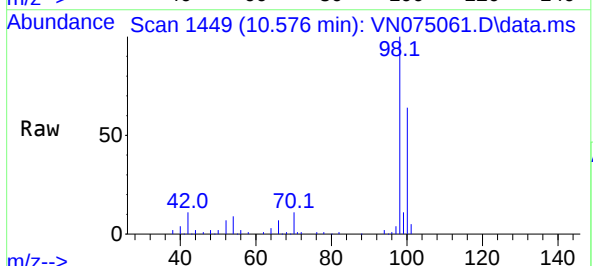
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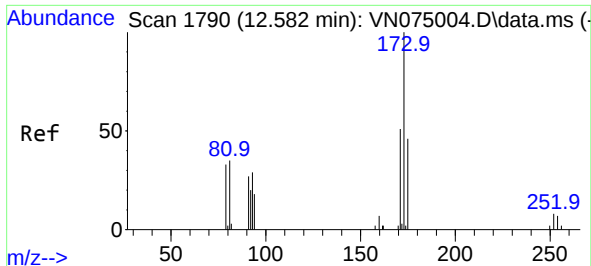
Tgt Ion: 62 Resp: 1158
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



#50
1,1,2-Trichloroethane
Concen: 3.339 ug/l
RT: 10.576 min Scan# 1449
Delta R.T. -0.441 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion: 97 Resp: 3409
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 256.0 49.0 73.4#

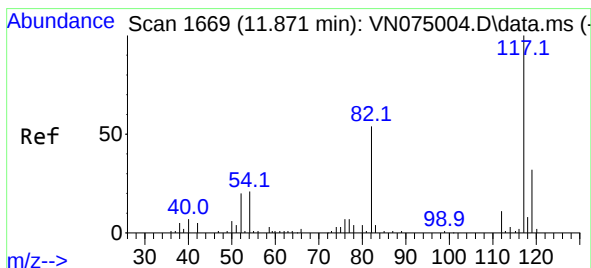
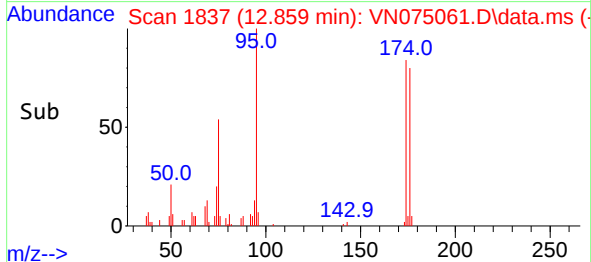
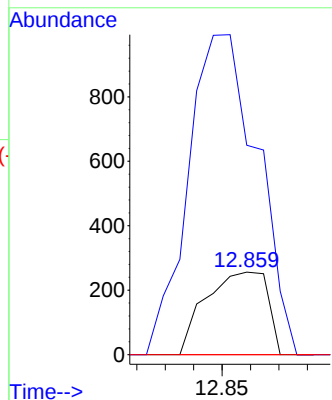
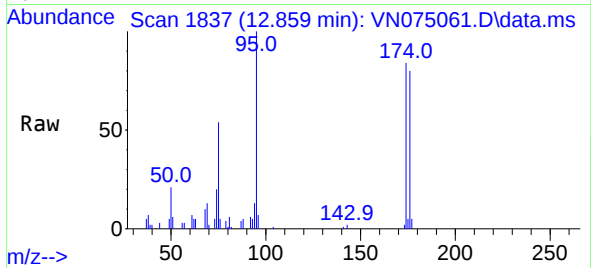




#56
Bromoform
Concen: 0.477 ug/l
RT: 12.859 min Scan# 1837
Delta R.T. 0.276 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

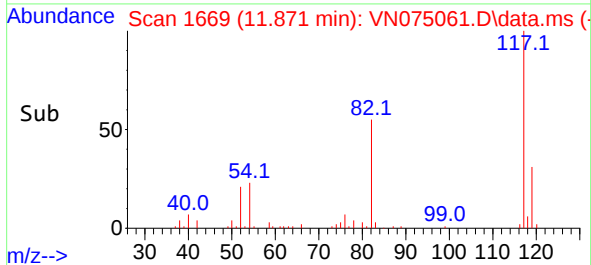
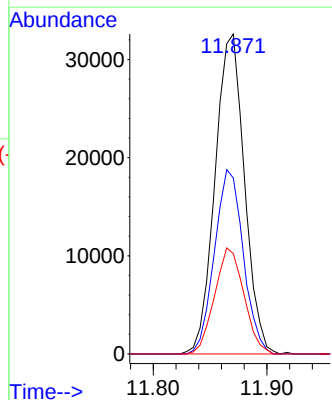
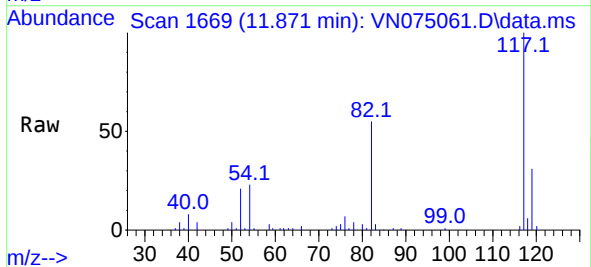
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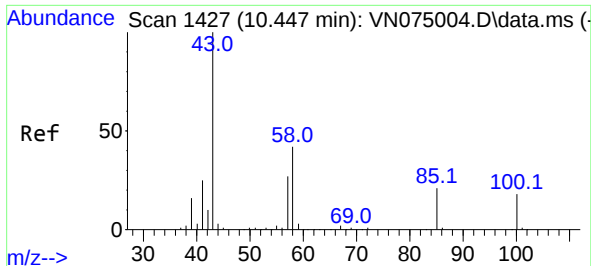
Tgt Ion:173 Resp: 387
Ion Ratio Lower Upper
173 100
175 434.4 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion:117 Resp: 58657
Ion Ratio Lower Upper
117 100
82 56.4 43.6 65.4
119 33.0 25.8 38.6

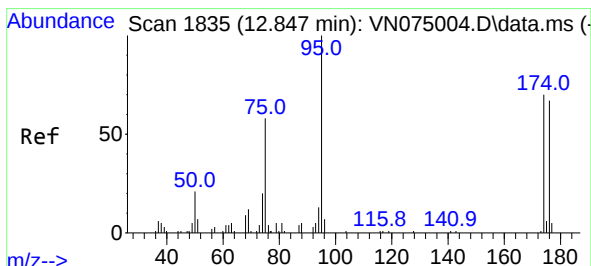
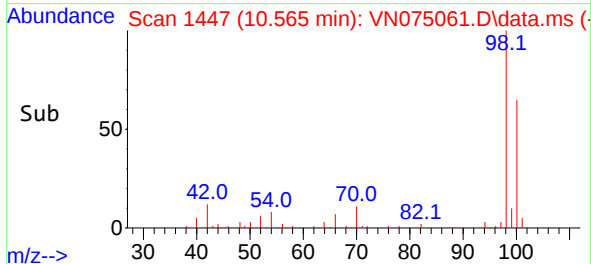
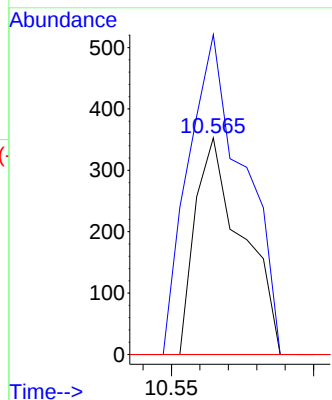
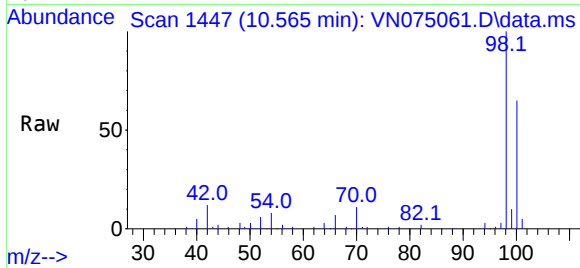




#58
4-Methyl-2-Pentanone
Concen: 0.322 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

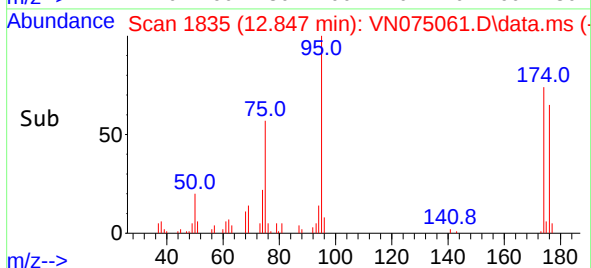
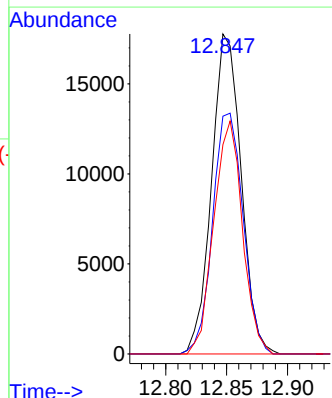
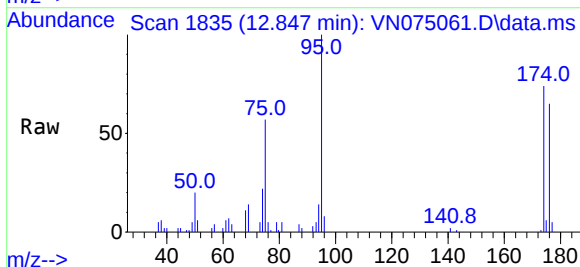
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ClientSampleId : 221026025-02-TRIP-BLANK

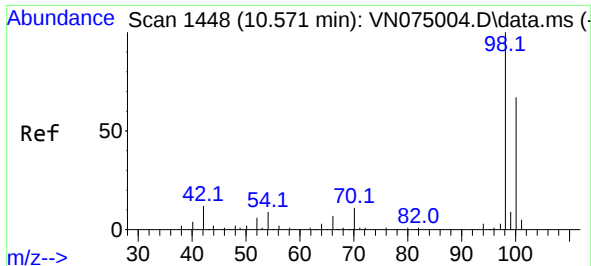
Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 174.0 30.0 45.0#
85 0.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 26.049 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

Tgt Ion: 95 Resp: 30022
Ion Ratio Lower Upper
95 100
174 77.5 62.9 94.3
176 70.7 61.0 91.4

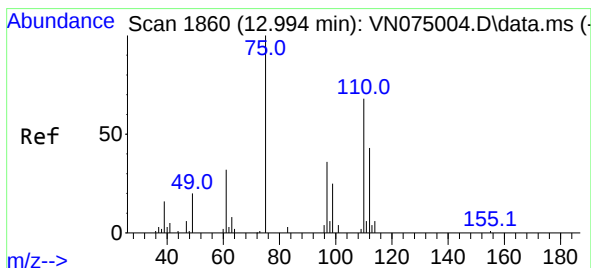
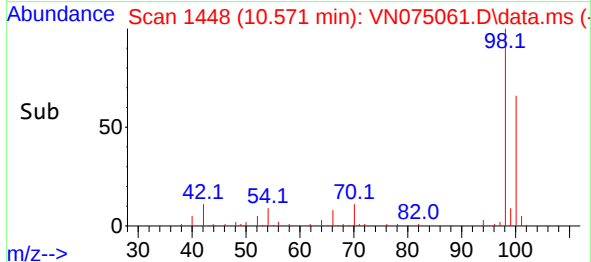
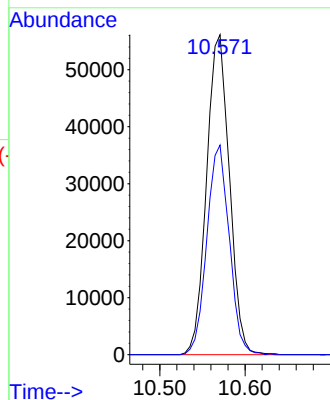
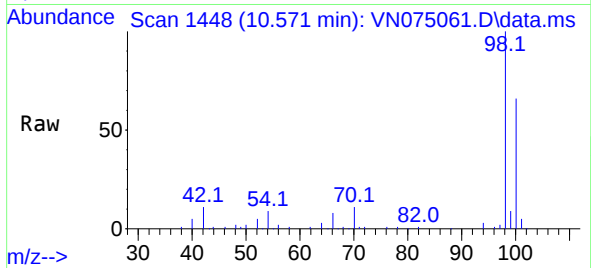




#63
Toluene-d8
Concen: 31.880 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

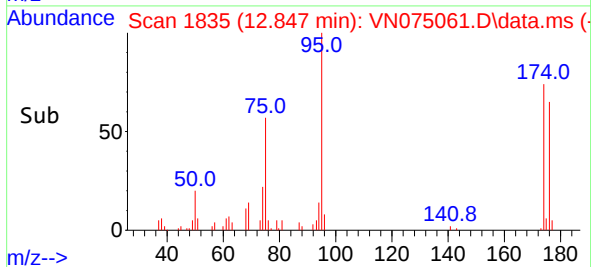
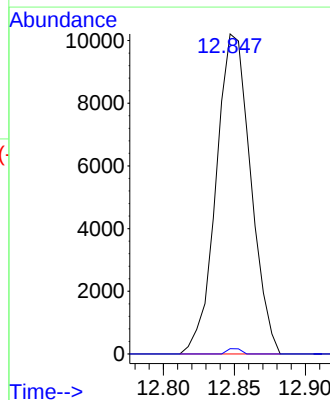
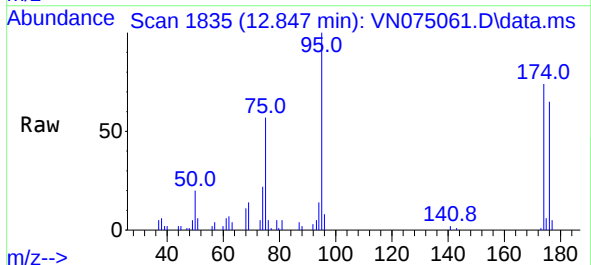
Instrument :
MSVOA_N
ClientSampleId :
221026025-02-TRIP-BLANK

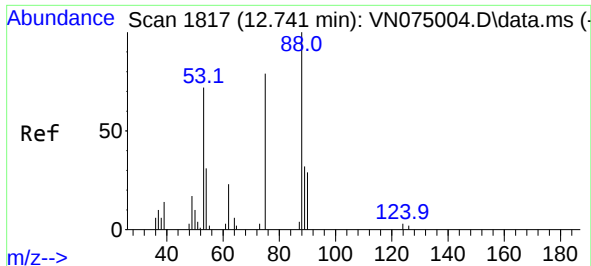
Tgt Ion: 98 Resp: 104588
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 13.020 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075061.D
Acq: 28 Oct 2022 15:24

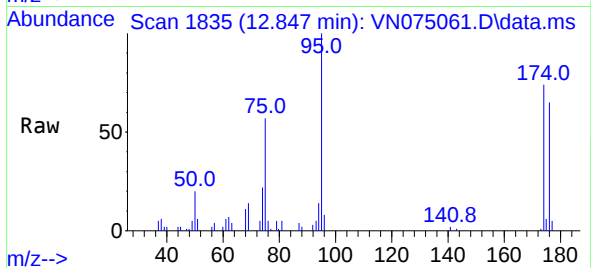
Tgt Ion: 75 Resp: 17314
Ion Ratio Lower Upper
75 100
77 0.7 0.0 378.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.275 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075061.D
 Acq: 28 Oct 2022 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 221026025-02-TRIP-BLANK



Tgt Ion: 75 Resp: 17314
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#

