

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077508.D
 Acq On : 28 Apr 2023 18:42
 Operator : JC\MD
 Sample : 02469-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-15

Quant Time: Apr 28 19:17:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

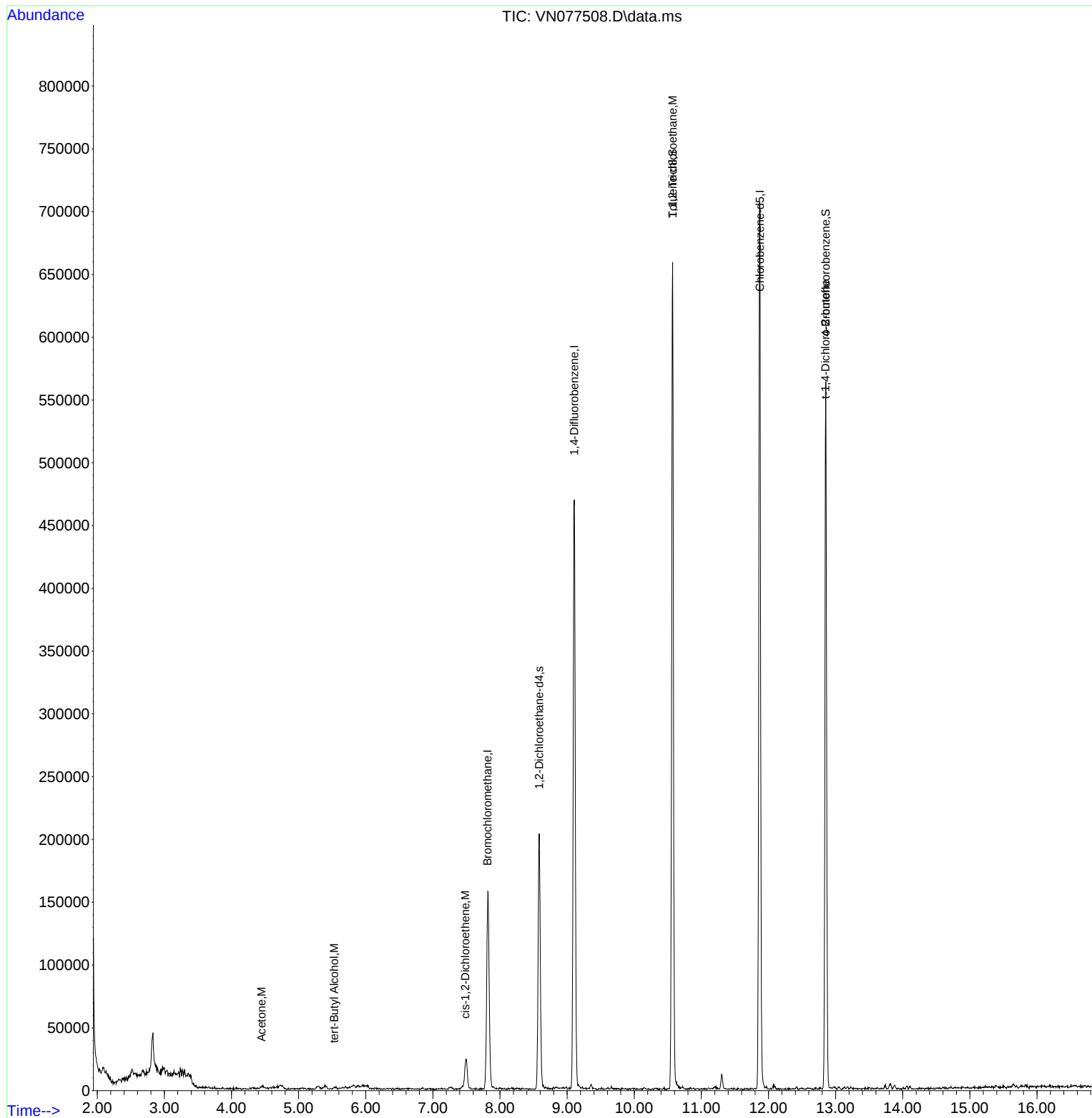
Internal Standards						
1) Bromochloromethane	7.813	128	59820	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	441269	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	443164	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	164320	30.812	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.700%
60) 4-Bromofluorobenzene	12.854	95	208498	26.854	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.500%
63) Toluene-d8	10.572	98	478079	30.615	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%
Target Compounds						
					Qvalue	
15) Acetone	4.448	58	499	0.577	ug/l #	1
22) cis-1,2-Dichloroethene	7.483	96	6841	0.845	ug/l #	53
23) tert-Butyl Alcohol	5.531	59	906	0.776	ug/l #	100
50) 1,1,2-Trichloroethane	10.572	97	13938	1.879	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.848	75	112189	41.026	ug/l #	19

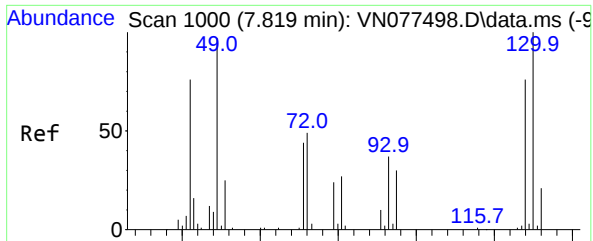
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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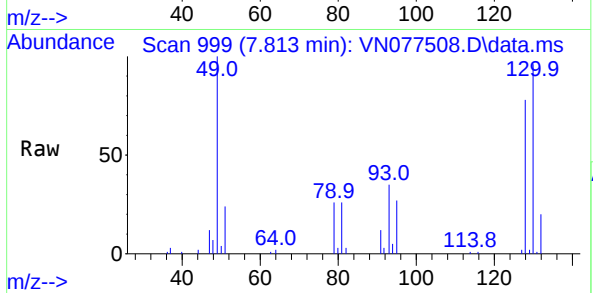
Quant Time: Apr 28 19:17:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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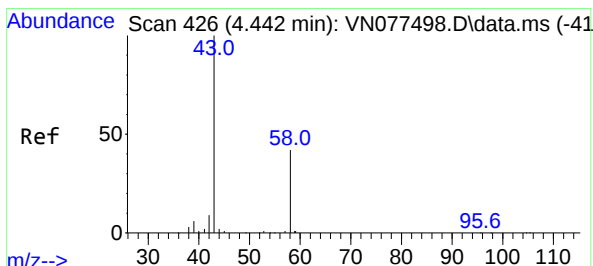
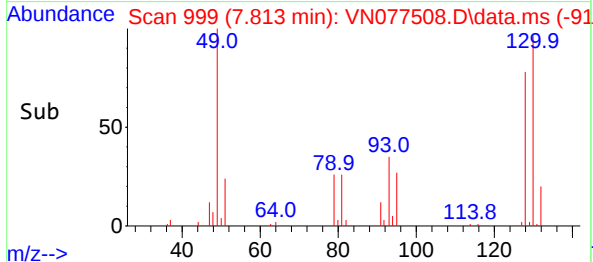
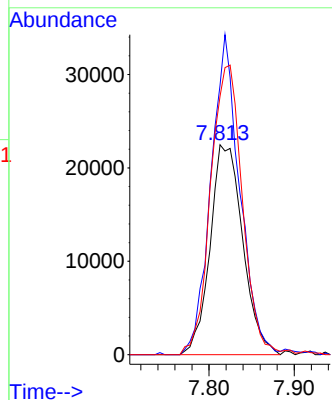


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

Instrument :
MSVOA_N
ClientSampleId :
TWP-15

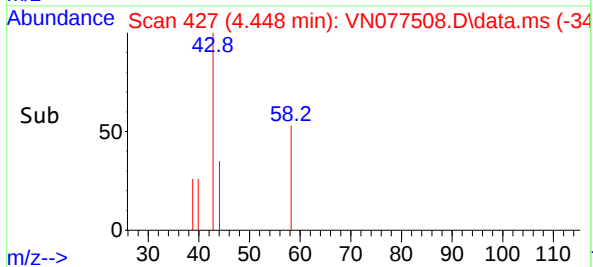
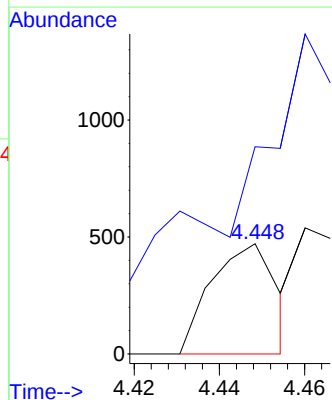
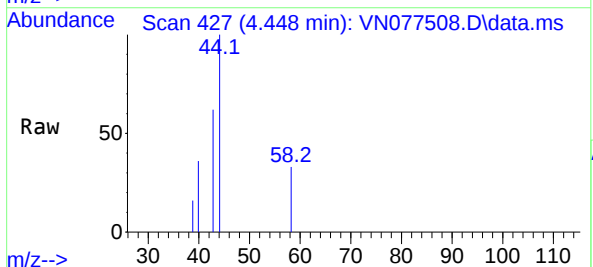


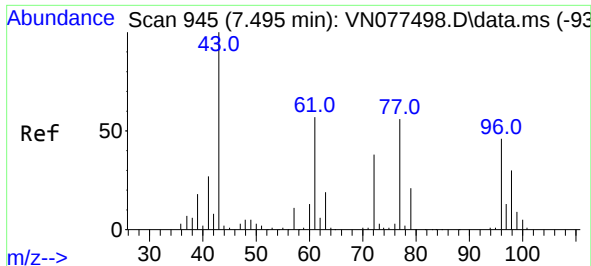
Tgt Ion:128 Resp: 59820
Ion Ratio Lower Upper
128 100
49 134.6 0.0 338.5
130 133.8 0.0 326.3



#15
Acetone
Concen: 0.577 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.006 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

Tgt Ion: 58 Resp: 499
Ion Ratio Lower Upper
58 100
43 58.4 197.2 295.8#

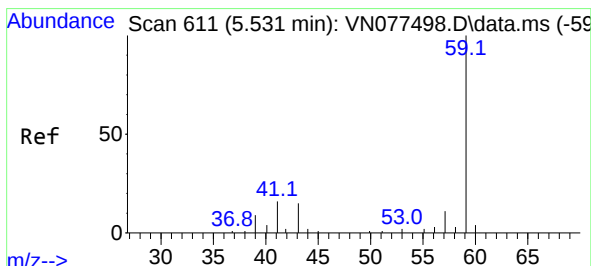
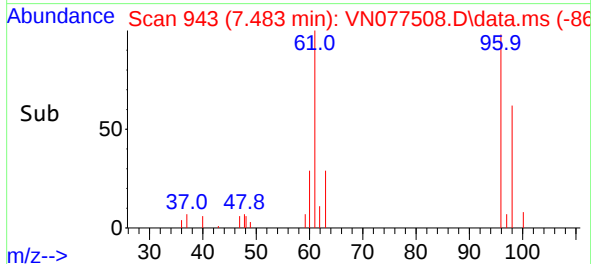
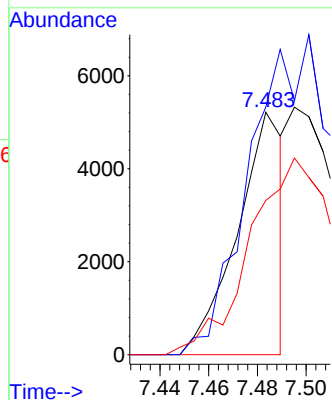
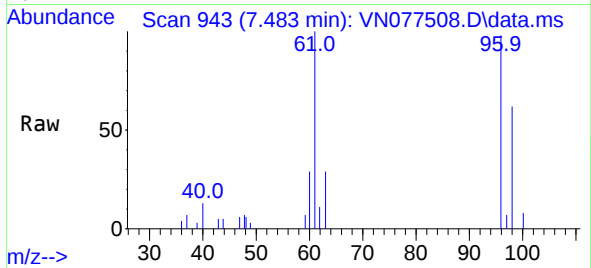




#22
cis-1,2-Dichloroethene
Concen: 0.845 ug/l
RT: 7.483 min Scan# 945
Delta R.T. -0.012 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

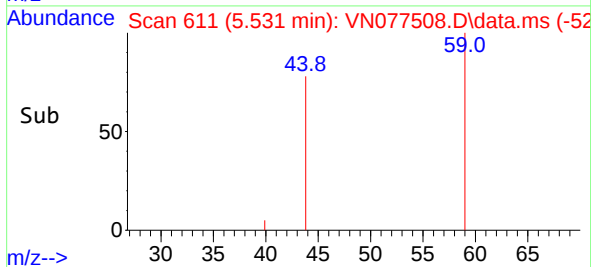
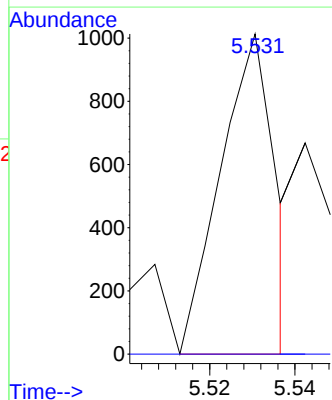
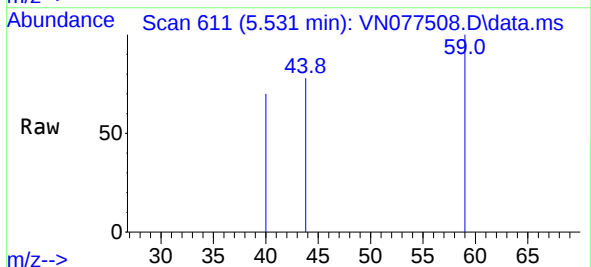
Instrument :
MSVOA_N
ClientSampleId :
TWP-15

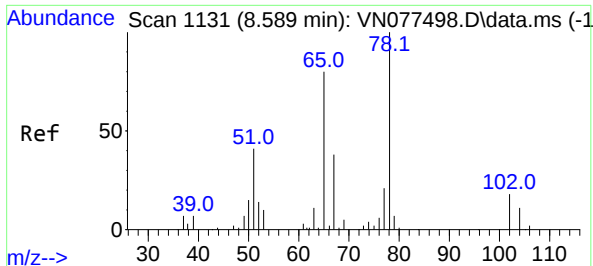
Tgt Ion: 96 Resp: 6841
Ion Ratio Lower Upper
96 100
61 138.8 100.2 150.2
98 154.0 51.6 77.4#



#23
tert-Butyl Alcohol
Concen: 0.776 ug/l
RT: 5.531 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

Tgt Ion: 59 Resp: 906
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

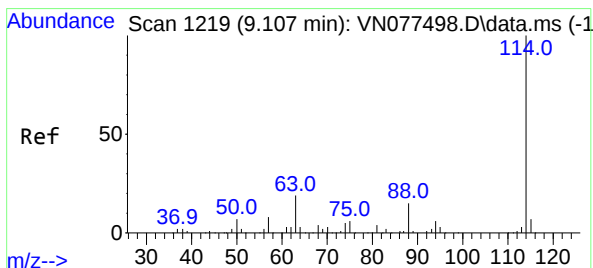
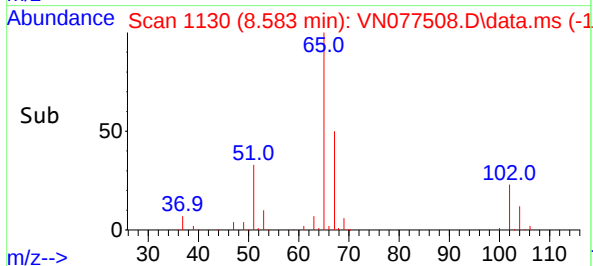
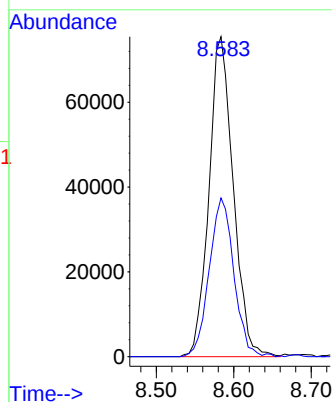
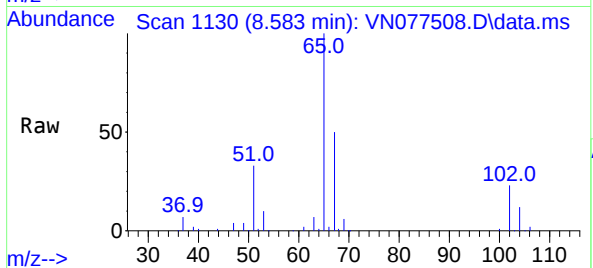




#27
1,2-Dichloroethane-d4
Concen: 30.812 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

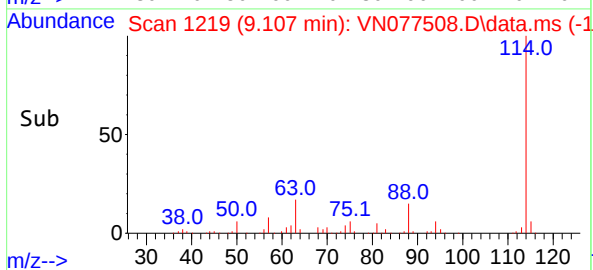
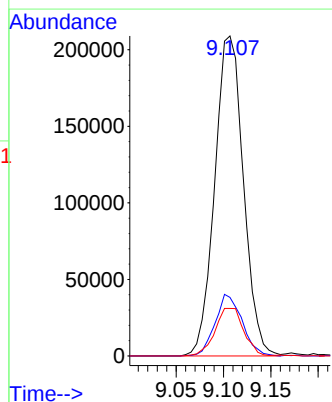
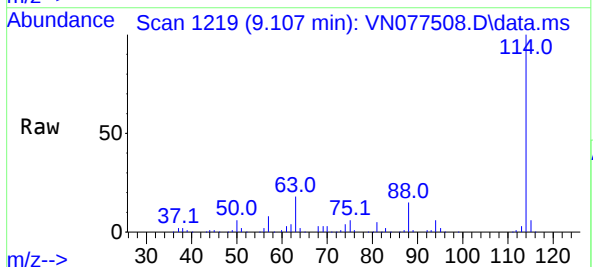
Instrument :
MSVOA_N
ClientSampleId :
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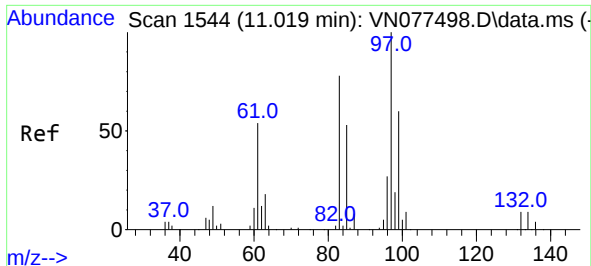
Tgt Ion: 65 Resp: 164320
Ion Ratio Lower Upper
65 100
67 50.1 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

Tgt Ion: 114 Resp: 441269
Ion Ratio Lower Upper
114 100
63 18.1 14.1 21.1
88 14.9 12.3 18.5

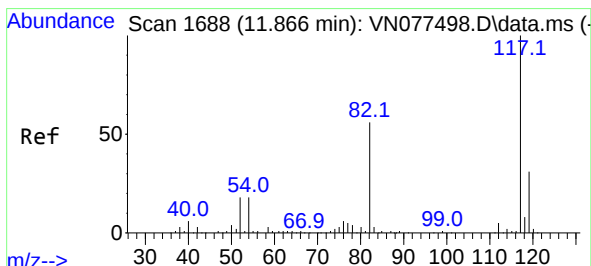
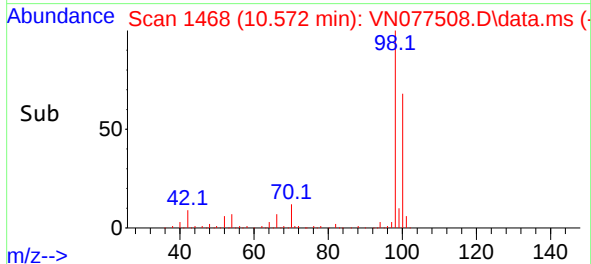
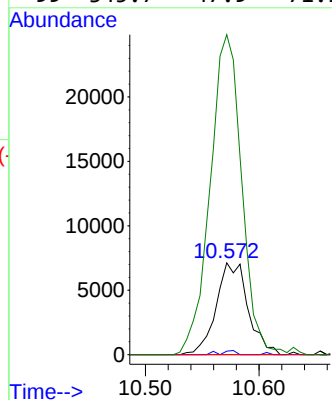
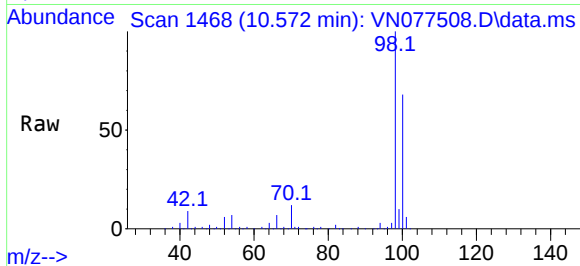




#50
1,1,2-Trichloroethane
Concen: 1.879 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

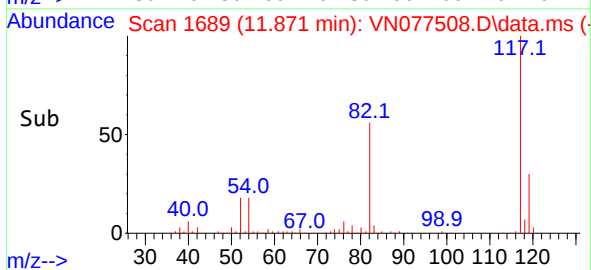
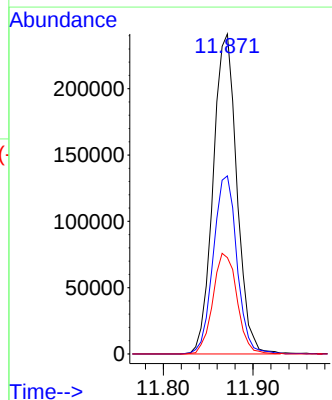
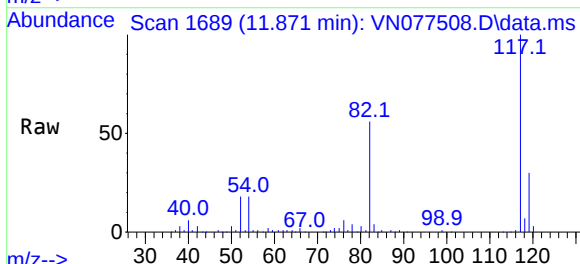
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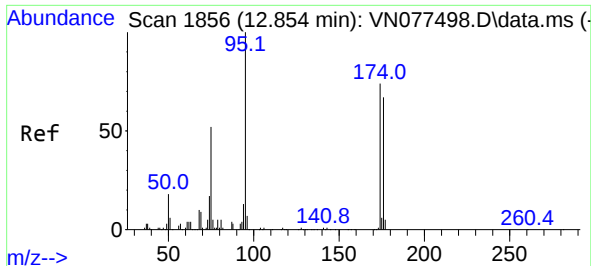
Tgt Ion:	97	Resp:	13938
Ion	Ratio	Lower	Upper
97	100		
83	3.9	67.0	100.6#
85	0.0	41.6	62.4#
99	345.7	47.9	71.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

Tgt Ion:	117	Resp:	443164
Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	32.0	25.4	38.2

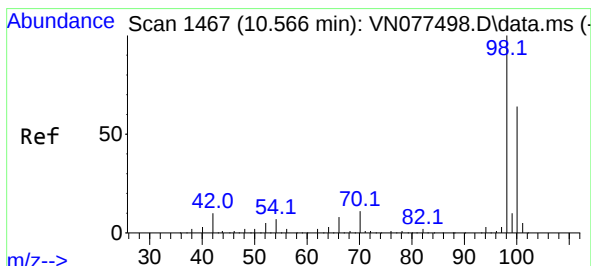
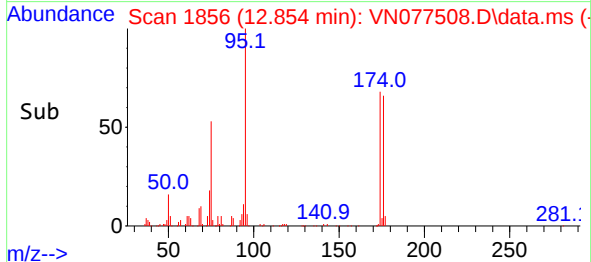
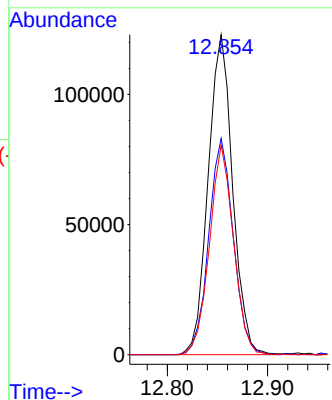
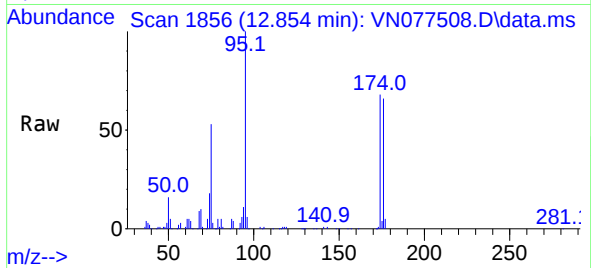




#60
4-Bromofluorobenzene
Concen: 26.854 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

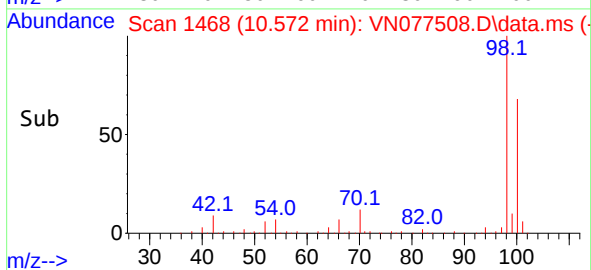
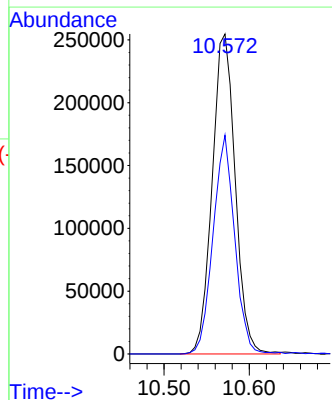
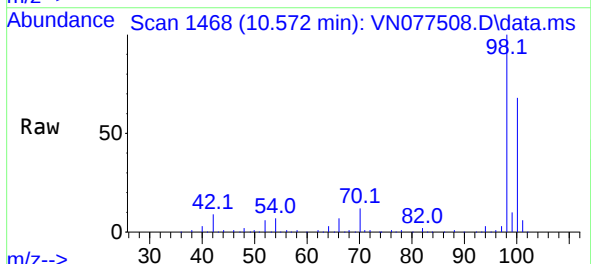
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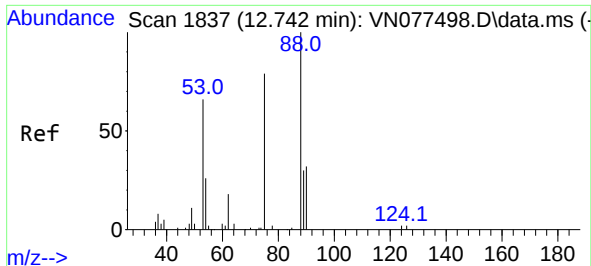
Tgt Ion: 95 Resp: 208498
Ion Ratio Lower Upper
95 100
174 67.9 55.9 83.9
176 64.3 53.9 80.9



#63
Toluene-d8
Concen: 30.615 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077508.D
Acq: 28 Apr 2023 18:42

Tgt Ion: 98 Resp: 478079
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.4





#77

t-1,4-Dichloro-2-butene

Concen: 41.026 ug/l

RT: 12.848 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN077508.D

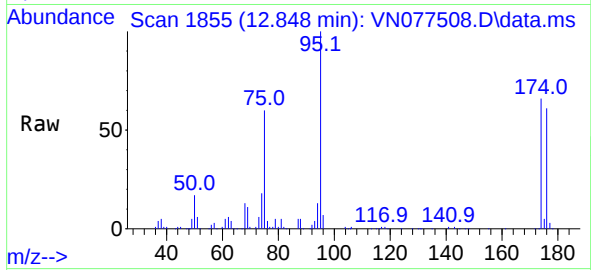
Acq: 28 Apr 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 75 Resp: 112189

Ion Ratio Lower Upper

75 100

53 0.0 38.2 114.6#

89 0.3 22.1 66.1#

