

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077422.D
 Acq On : 21 Apr 2023 12:44
 Operator : JC\MD
 Sample : 02415-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-1

Quant Time: Apr 22 02:39:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

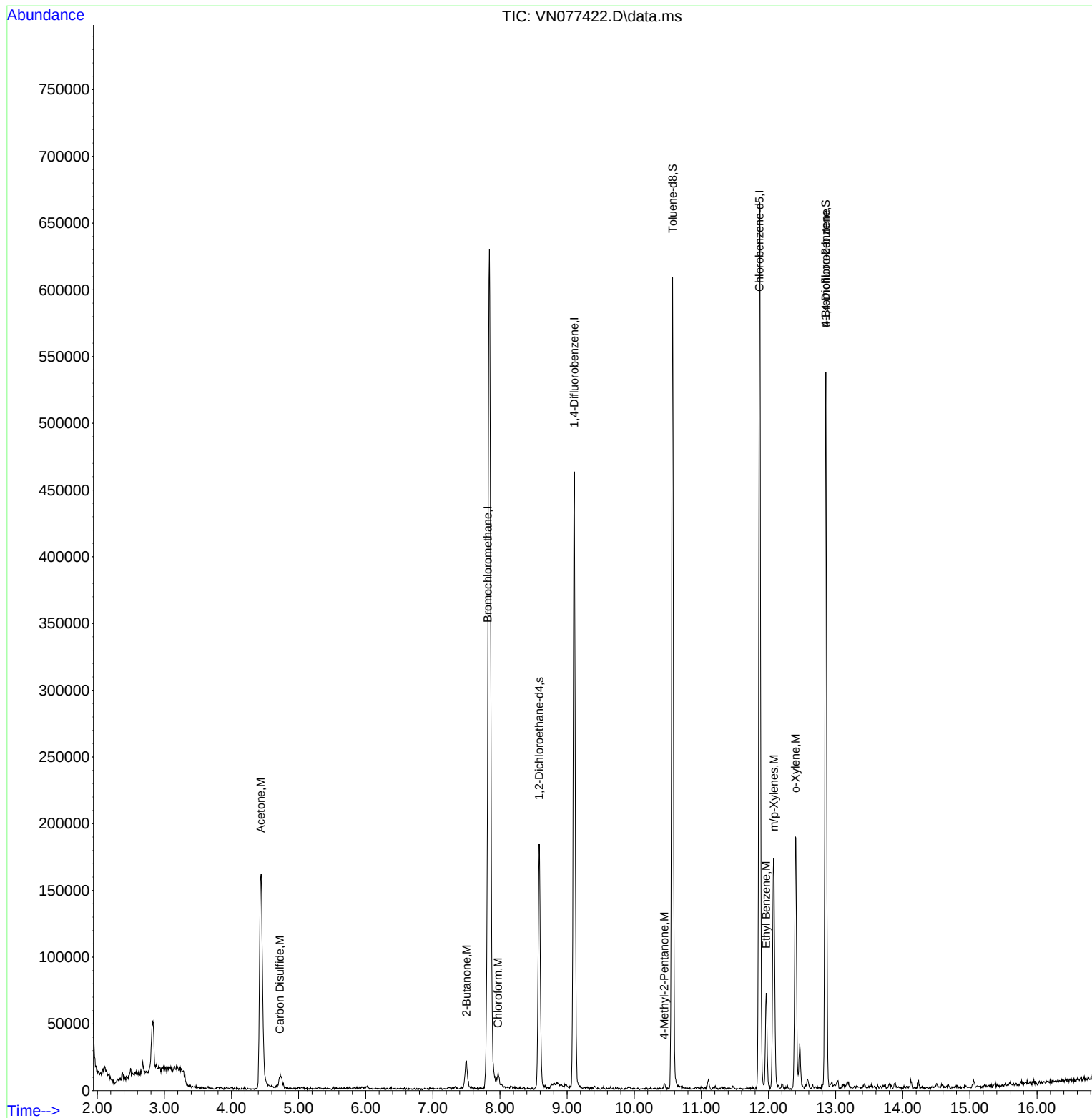
Internal Standards						
1) Bromochloromethane	7.819	128	55663	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	416081	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	413892	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	144548	30.619	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.067%
60) 4-Bromofluorobenzene	12.854	95	191002	26.688	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.967%
63) Toluene-d8	10.572	98	442062	30.382	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.267%
Target Compounds						
					Qvalue	
15) Acetone	4.437	58	110067	101.571	ug/l	88
16) Carbon Disulfide	4.719	76	5632	0.364	ug/l #	78
25) Chloroform	7.972	83	7546	0.610	ug/l	99
30) 2-Butanone	7.501	43	31497	7.390	ug/l	95
58) 4-Methyl-2-Pentanone	10.448	43	1730	0.223	ug/l #	76
66) Ethyl Benzene	11.966	91	55299	1.728	ug/l	99
67) m/p-Xylenes	12.083	106	63853	5.092	ug/l	97
68) o-Xylene	12.401	106	60365	4.812	ug/l	98
77) t-1,4-Dichloro-2-butene	12.854	75	103547	30.673	ug/l #	18

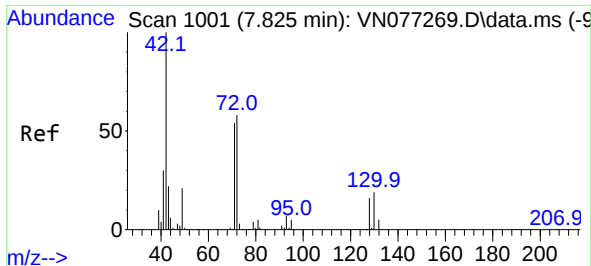
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

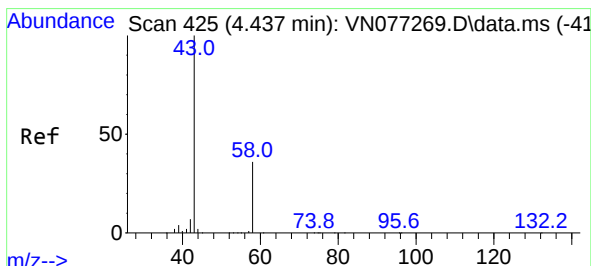
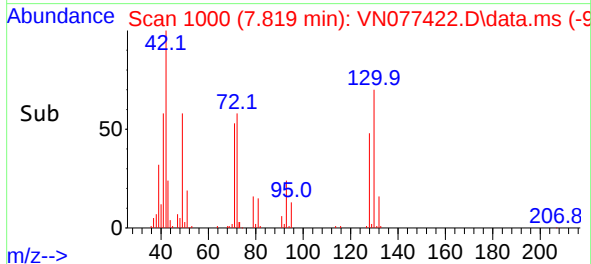
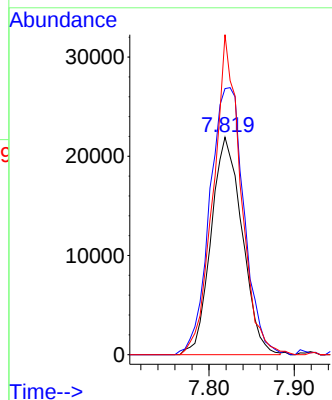
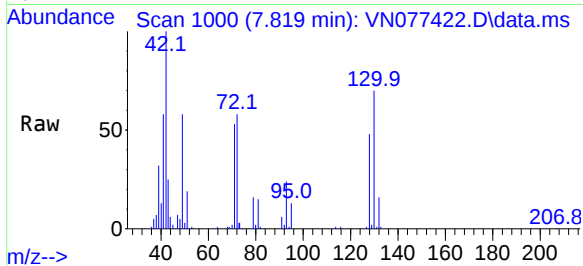




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

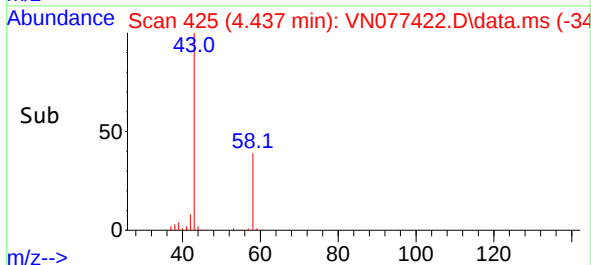
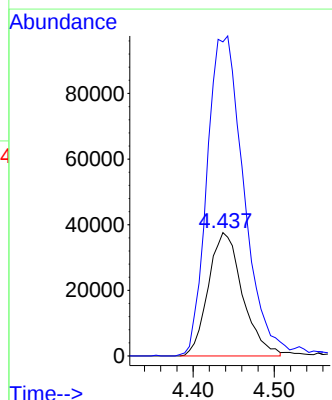
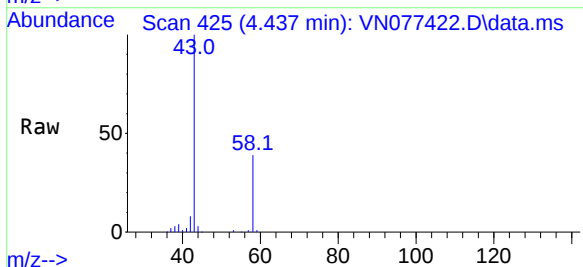
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

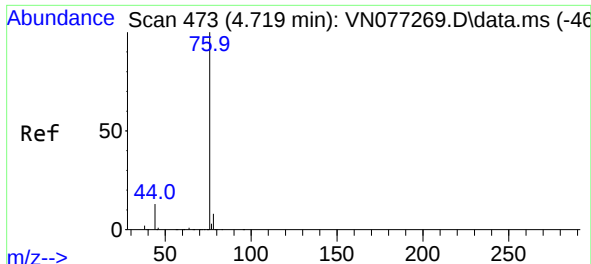
Tgt Ion:128 Resp: 55663
Ion Ratio Lower Upper
128 100
49 135.4 0.0 379.5
130 129.7 0.0 322.8



#15
Acetone
Concen: 101.571 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

Tgt Ion: 58 Resp: 110067
Ion Ratio Lower Upper
58 100
43 253.4 220.9 331.3

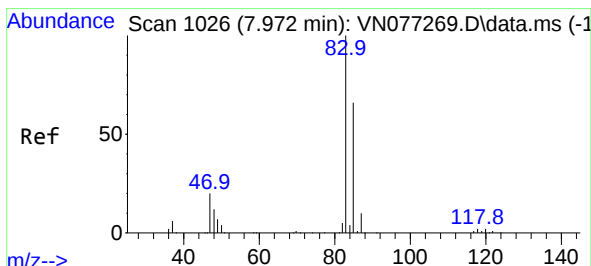
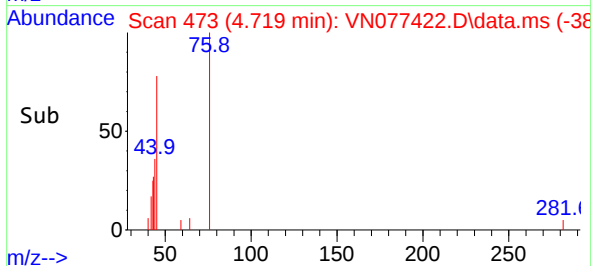
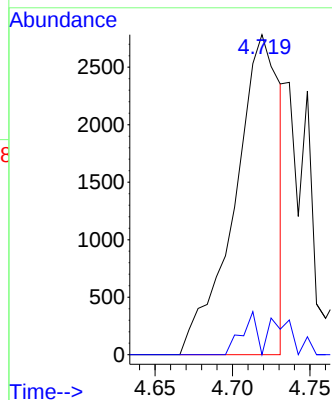
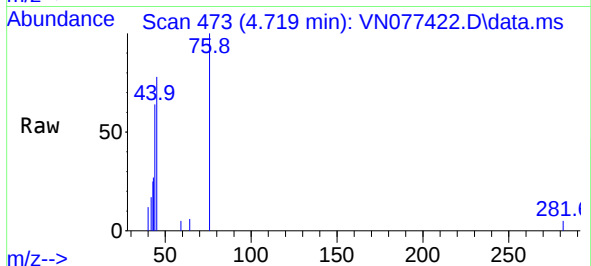




#16
Carbon Disulfide
Concen: 0.364 ug/l
RT: 4.719 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

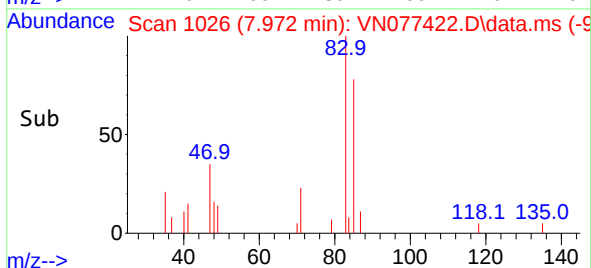
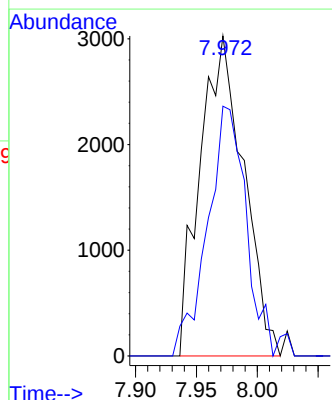
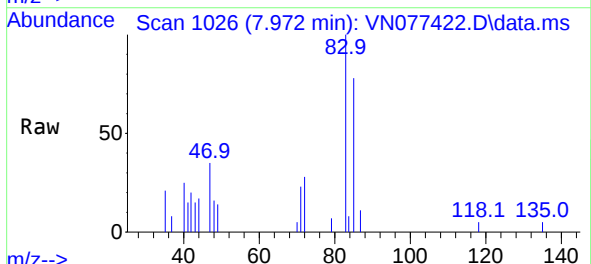
Instrument :
MSVOA_N
ClientSampleId :
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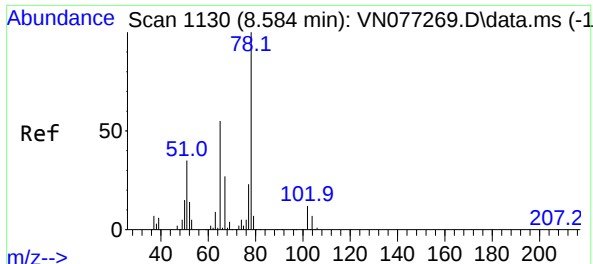
Tgt Ion: 76 Resp: 5632
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#25
Chloroform
Concen: 0.610 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

Tgt Ion: 83 Resp: 7546
Ion Ratio Lower Upper
83 100
85 66.9 52.9 79.3

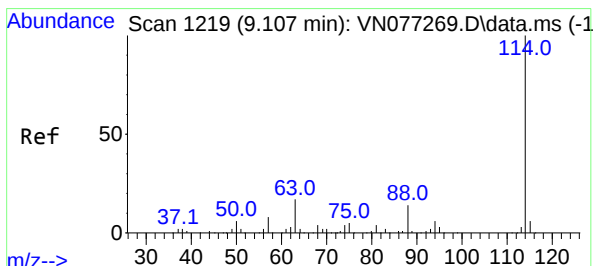
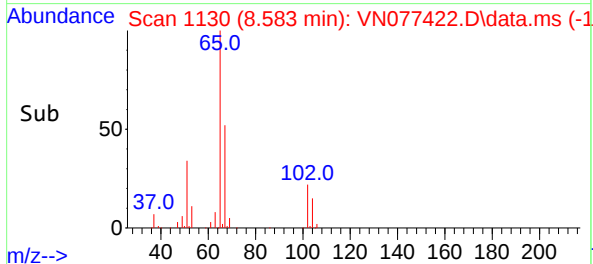
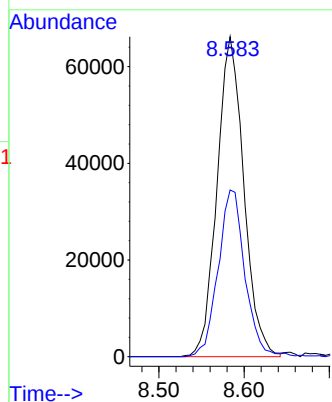
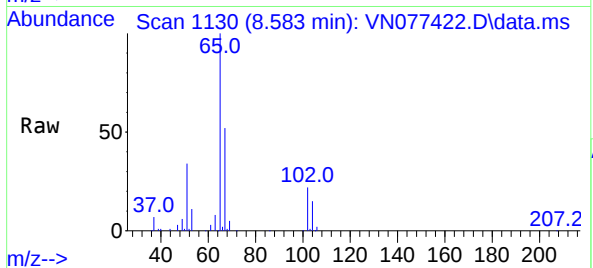




#27
1,2-Dichloroethane-d4
Concen: 30.619 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

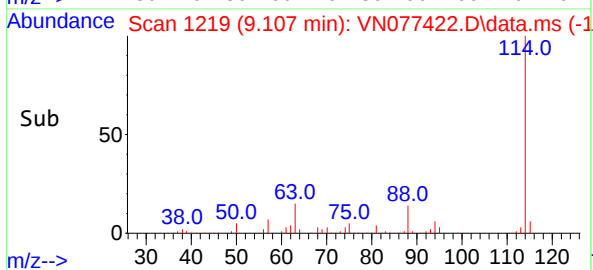
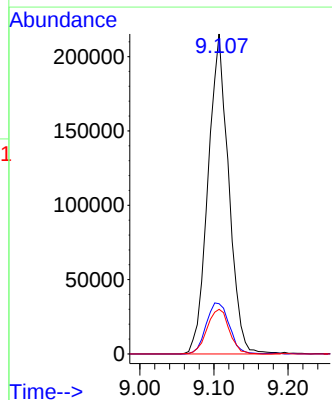
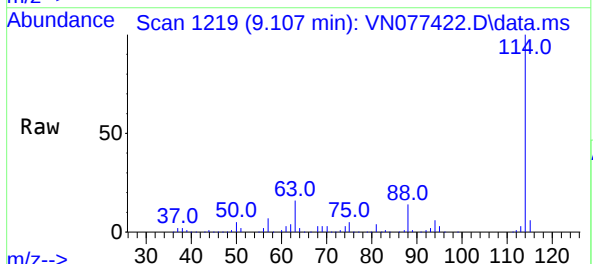
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

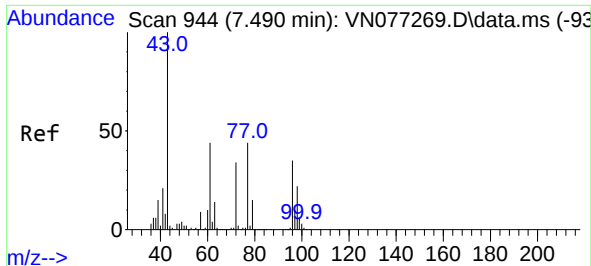
Tgt Ion: 65 Resp: 144548
Ion Ratio Lower Upper
65 100
67 51.8 41.8 62.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

Tgt Ion:114 Resp: 416081
Ion Ratio Lower Upper
114 100
63 17.9 15.0 22.4
88 15.1 11.9 17.9

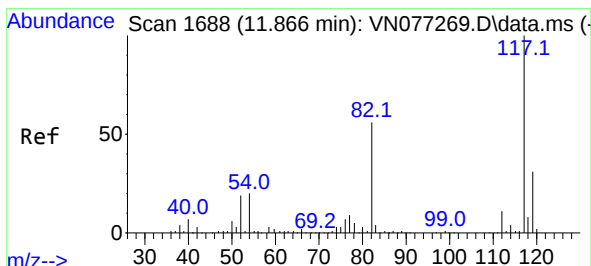
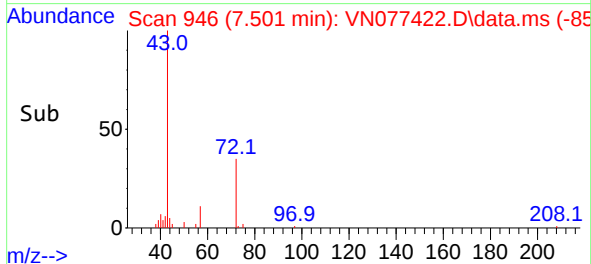
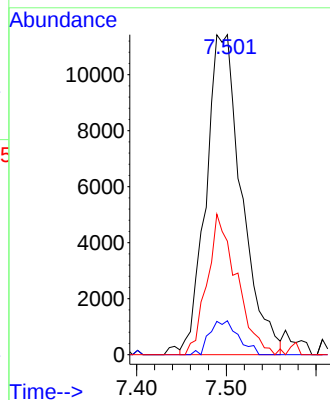
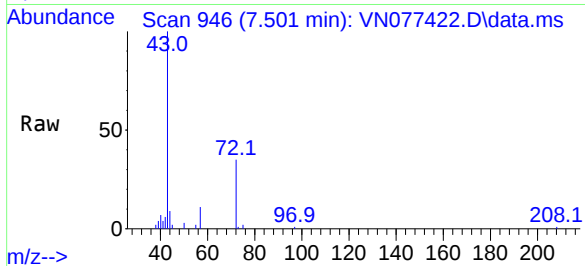




#30
2-Butanone
Concen: 7.390 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.011 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

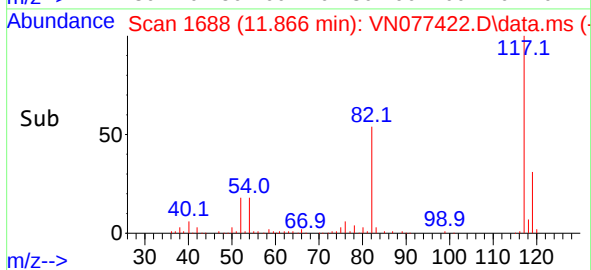
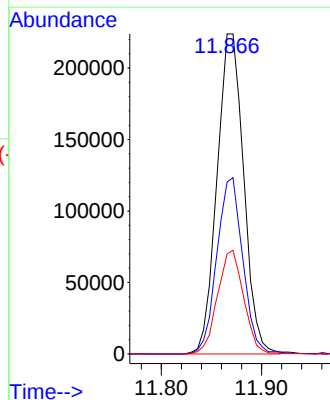
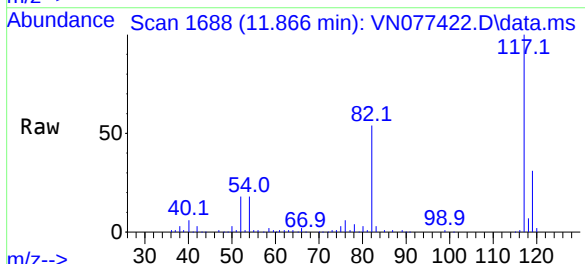
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

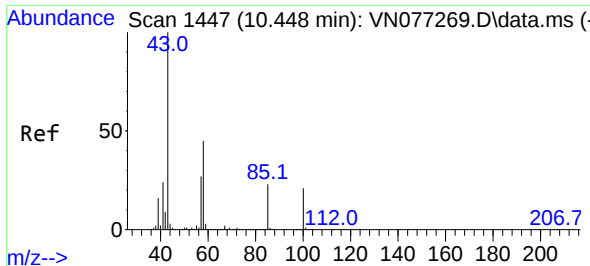
Tgt Ion: 43 Resp: 31497
Ion Ratio Lower Upper
43 100
57 8.1 7.5 11.3
72 36.6 26.9 40.3



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

Tgt Ion: 117 Resp: 413892
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 31.7 25.4 38.0

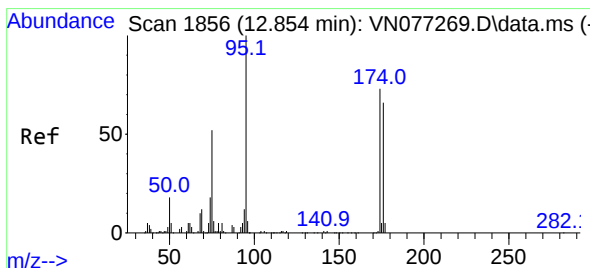
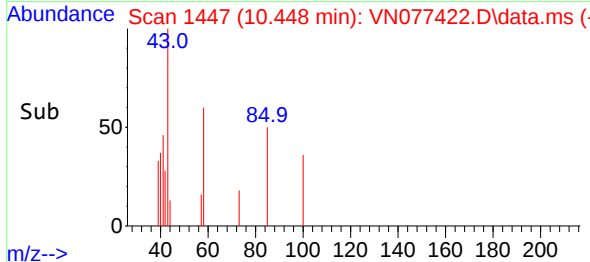
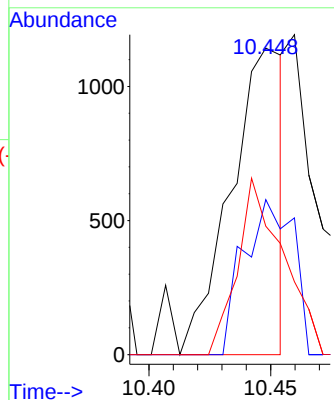
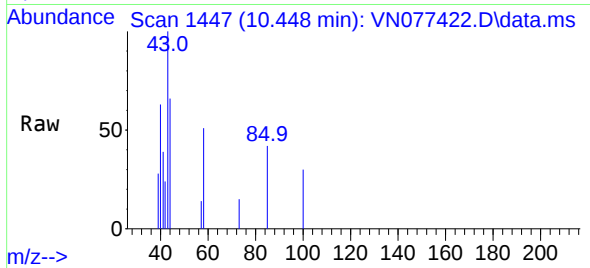




#58
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

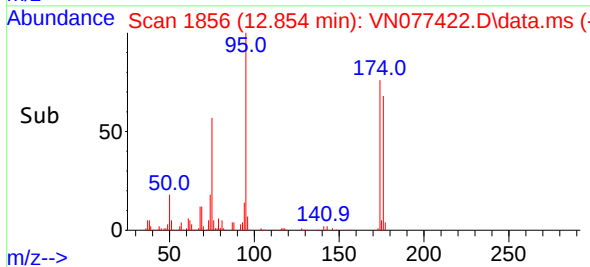
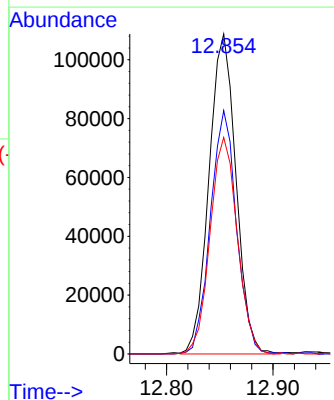
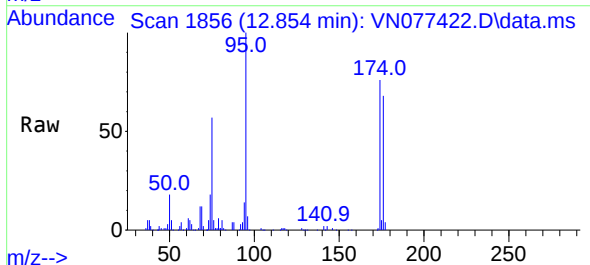
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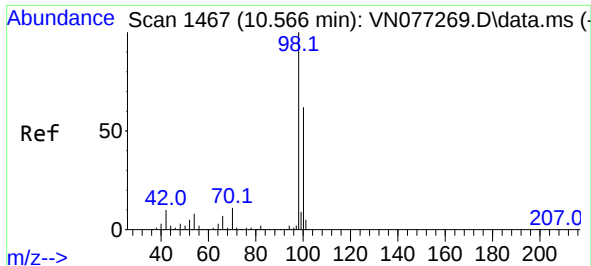
Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 47.5 34.7 52.1
85 49.7 17.8 26.8#



#60
4-Bromofluorobenzene
Concen: 26.688 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

Tgt Ion: 95 Resp: 191002
Ion Ratio Lower Upper
95 100
174 73.6 57.8 86.8
176 68.3 54.6 81.8

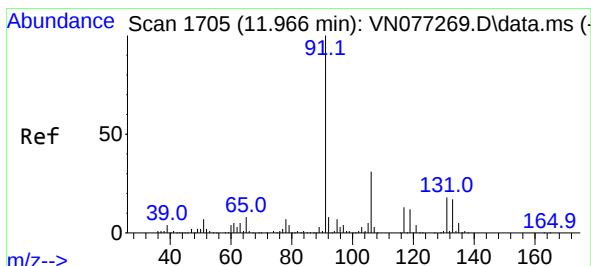
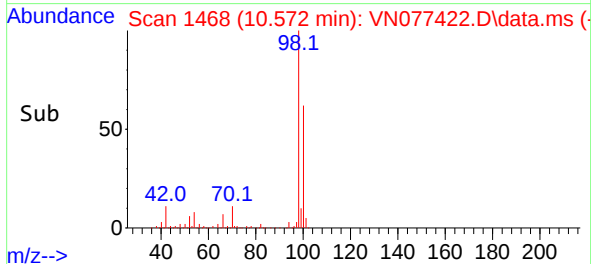
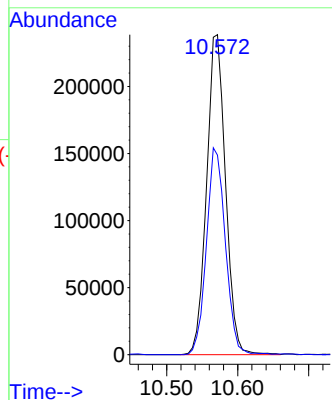
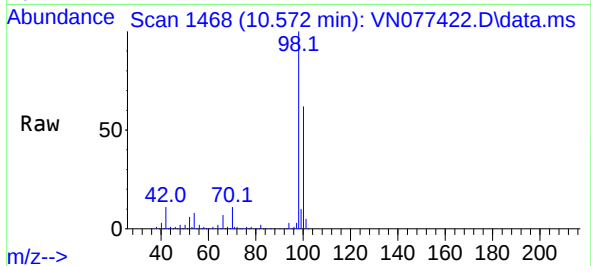




#63
Toluene-d8
Concen: 30.382 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

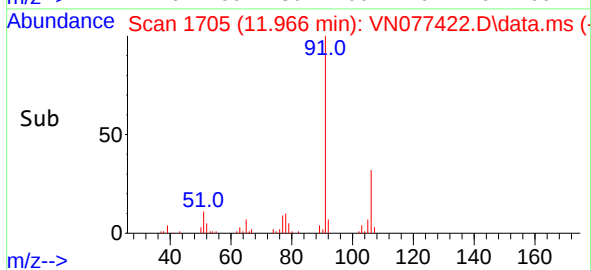
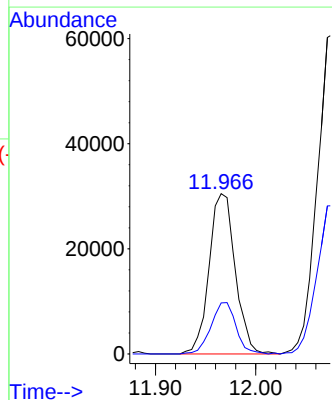
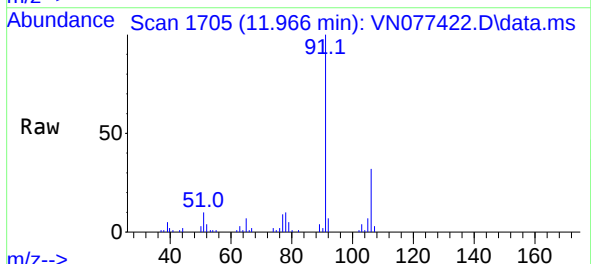
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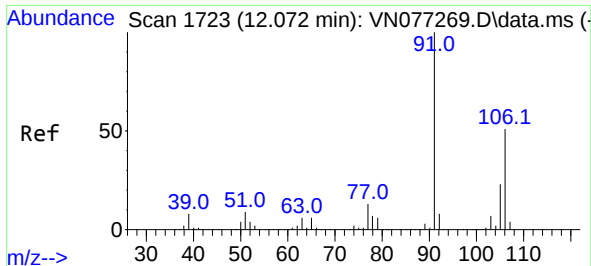
Tgt Ion: 98 Resp: 442062
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#66
Ethyl Benzene
Concen: 1.728 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077422.D
Acq: 21 Apr 2023 12:44

Tgt Ion: 91 Resp: 55299
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6





#67

m/p-Xylenes

Concen: 5.092 ug/l

RT: 12.083 min Scan# 1725

Delta R.T. 0.011 min

Lab File: VN077422.D

Acq: 21 Apr 2023 12:44

Instrument :

MSVOA_N

ClientSampleId :

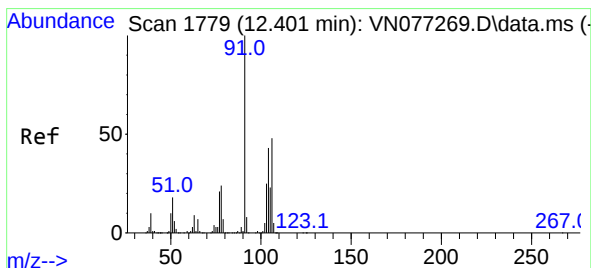
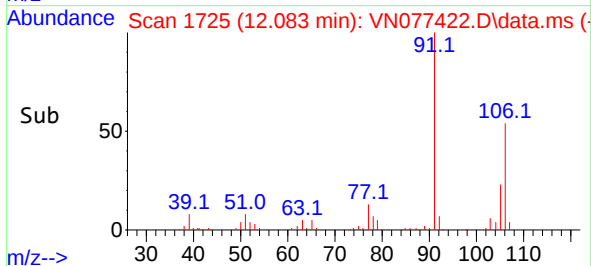
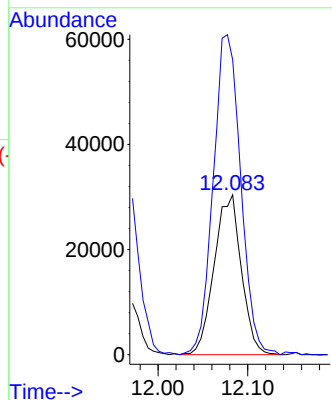
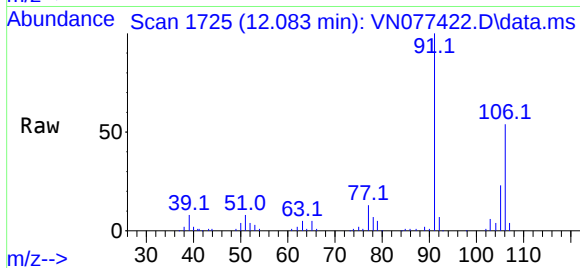
SAMPLE-1

Tgt Ion:106 Resp: 63853

Ion Ratio Lower Upper

106 100

91 202.6 158.0 237.0



#68

o-Xylene

Concen: 4.812 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN077422.D

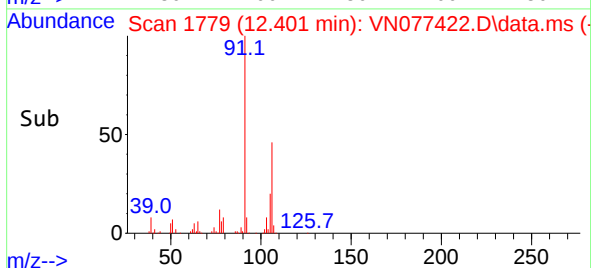
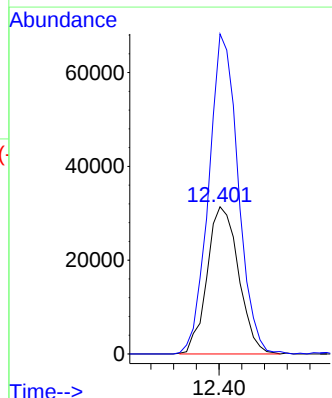
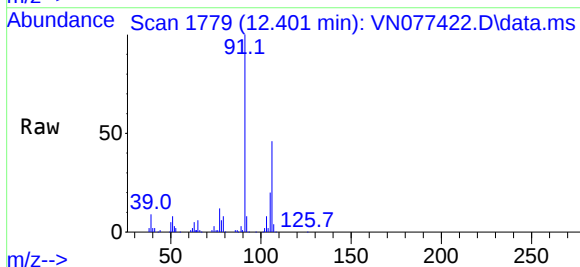
Acq: 21 Apr 2023 12:44

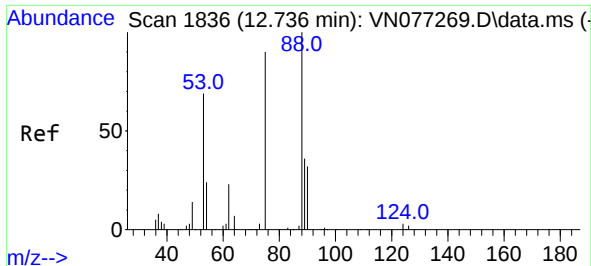
Tgt Ion:106 Resp: 60365

Ion Ratio Lower Upper

106 100

91 203.4 103.6 310.8





#77

t-1,4-Dichloro-2-butene

Concen: 30.673 ug/l

RT: 12.854 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN077422.D

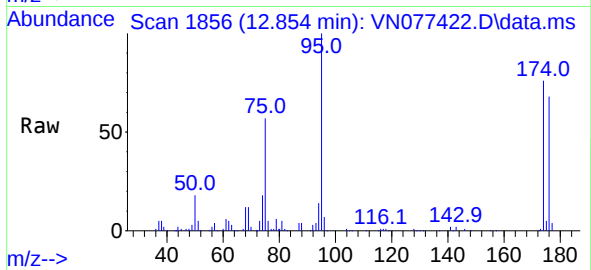
Acq: 21 Apr 2023 12:44

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 75 Resp: 103547

Ion Ratio Lower Upper

75 100

53 0.0 38.8 116.4#

89 0.0 23.2 69.6#

