

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079950.D
 Acq On : 07 Nov 2023 06:53
 Operator : JC\MD
 Sample : 05230-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 60113

Quant Time: Nov 07 08:30:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

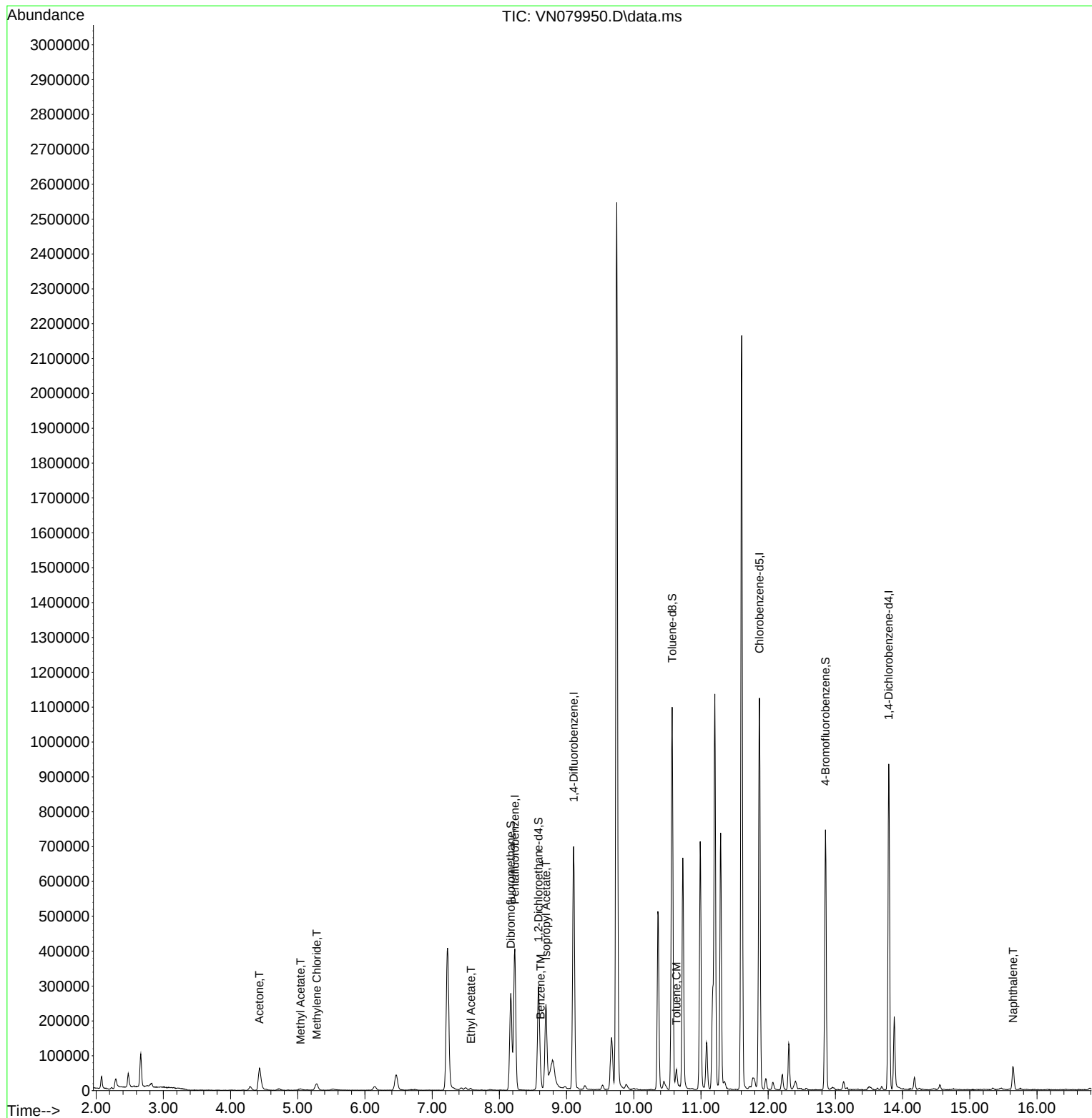
Internal Standards						
1) Pentafluorobenzene	8.229	168	280474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	580777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	623182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	236247	55.287	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.580%
35) Dibromofluoromethane	8.171	113	196674	47.847	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.700%
50) Toluene-d8	10.570	98	728434	48.138	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.853	95	254173	50.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.300%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	120434	80.237	ug/l	90
18) Methyl Acetate	5.041	43	8459	1.178	ug/l #	83
20) Methylene Chloride	5.283	84	14483	3.824	ug/l #	74
37) Ethyl Acetate	7.577	43	6950	1.291	ug/l #	65
40) Benzene	8.612	78	29676	1.688	ug/l #	90
43) Isopropyl Acetate	8.694	43	281526	29.824	ug/l #	78
52) Toluene	10.635	92	23477	2.253	ug/l	98
95) Naphthalene	15.647	128	60421	4.766	ug/l	99

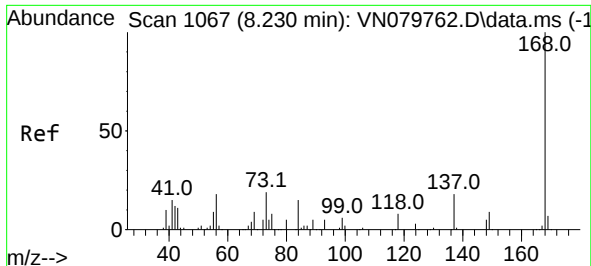
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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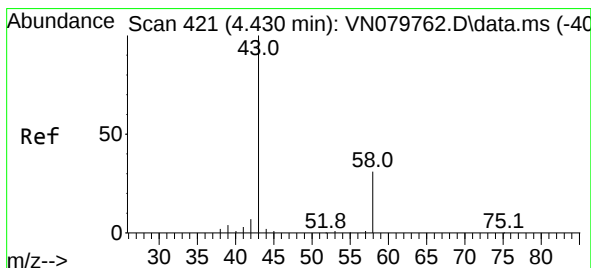
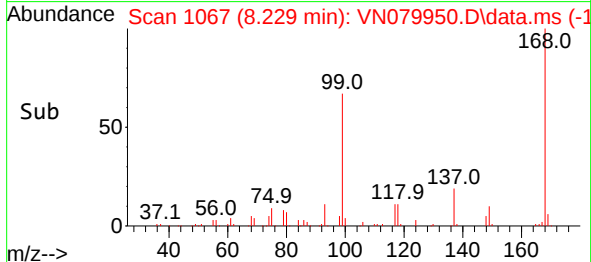
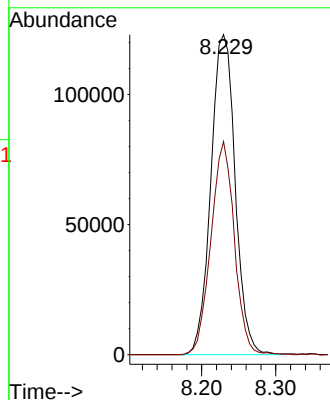
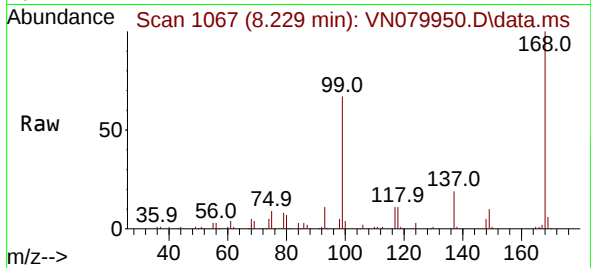




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

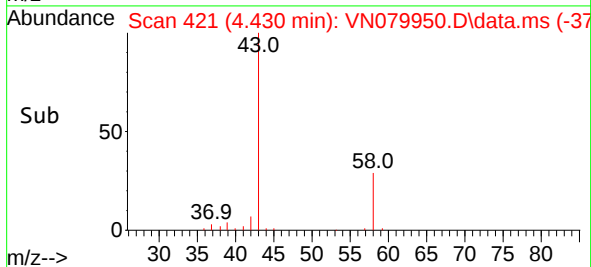
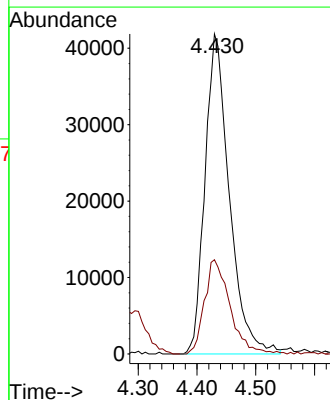
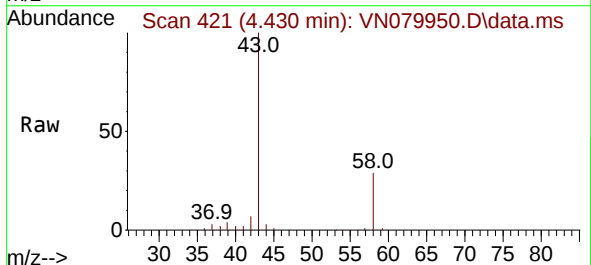
Instrument :
MSVOA_N
ClientSampleId :
60113

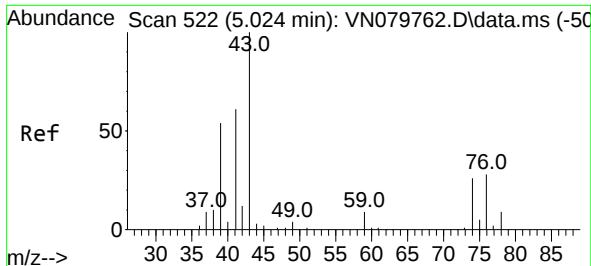
Tgt Ion:168 Resp: 280474
Ion Ratio Lower Upper
168 100
99 66.6 53.0 79.6



#16
Acetone
Concen: 80.237 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Tgt Ion: 43 Resp: 120434
Ion Ratio Lower Upper
43 100
58 29.4 28.0 42.0

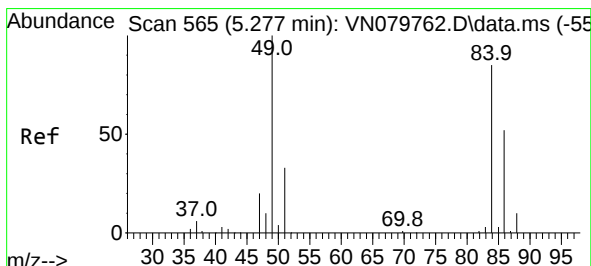
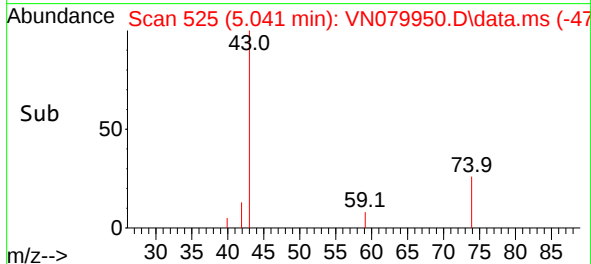
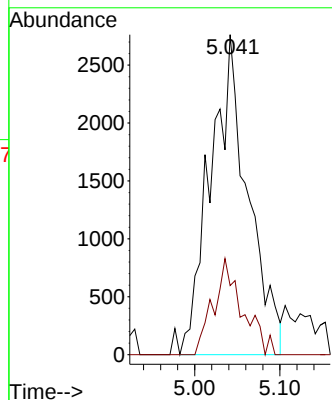
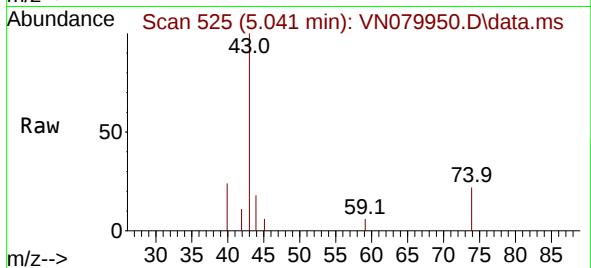




#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

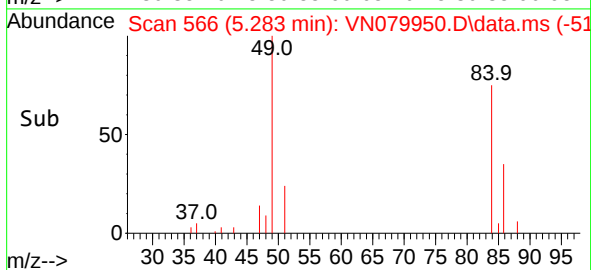
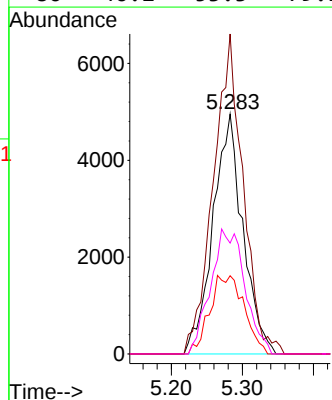
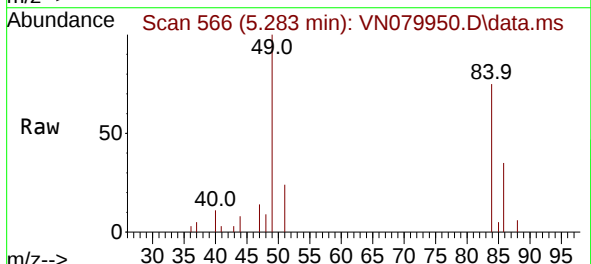
Instrument :
MSVOA_N
ClientSampleId :
60113

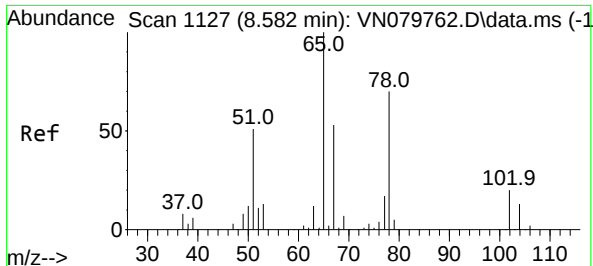
Tgt Ion: 43 Resp: 8459
Ion Ratio Lower Upper
43 100
74 23.1 26.2 39.4#



#20
Methylene Chloride
Concen: 3.824 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Tgt Ion: 84 Resp: 14483
Ion Ratio Lower Upper
84 100
49 133.4 79.7 119.5#
51 32.6 25.2 37.8
86 46.2 53.3 79.9#





#33

1,2-Dichloroethane-d4

Concen: 55.287 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079950.D

Acq: 07 Nov 2023 06:53

Instrument :

MSVOA_N

ClientSampleId :

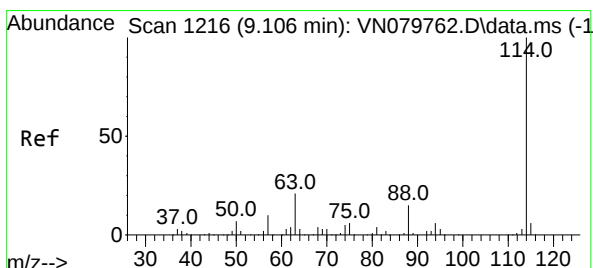
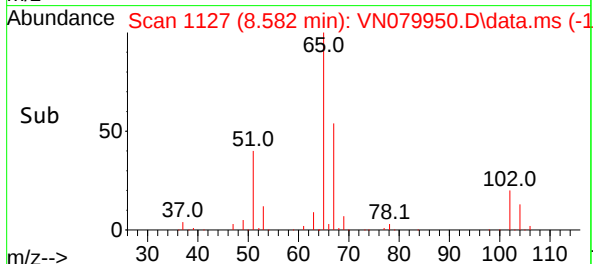
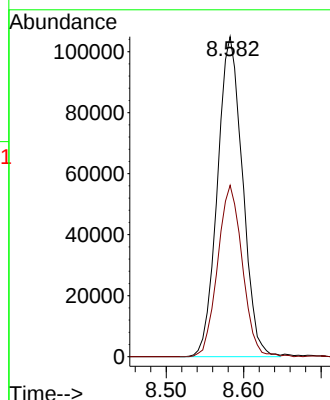
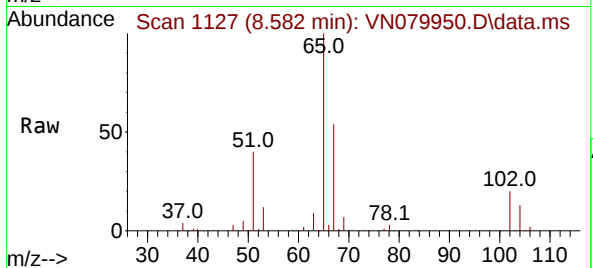
60113

Tgt Ion: 65 Resp: 236247

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079950.D

Acq: 07 Nov 2023 06:53

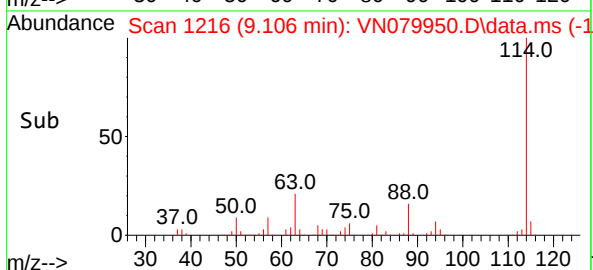
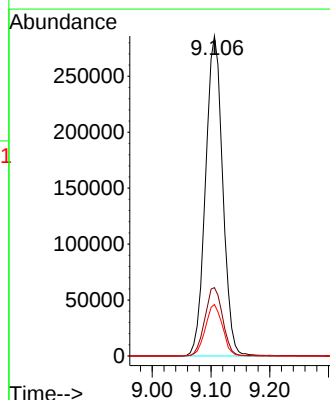
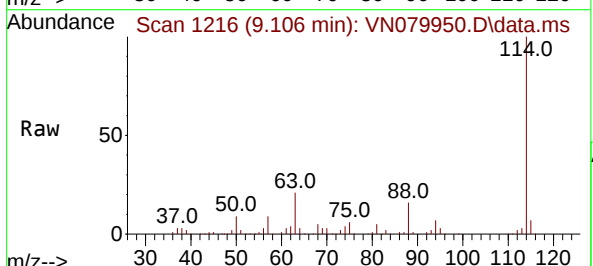
Tgt Ion: 114 Resp: 580777

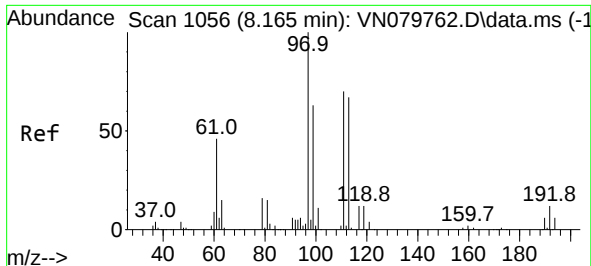
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.847 ug/l

RT: 8.171 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN079950.D

Acq: 07 Nov 2023 06:53

Instrument :

MSVOA_N

ClientSampleId :

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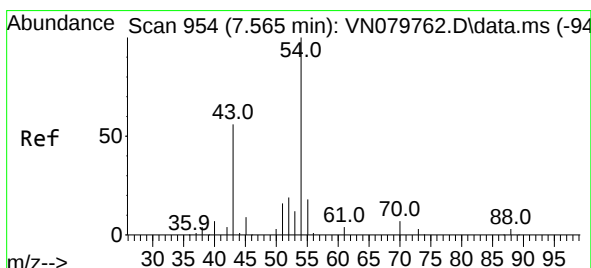
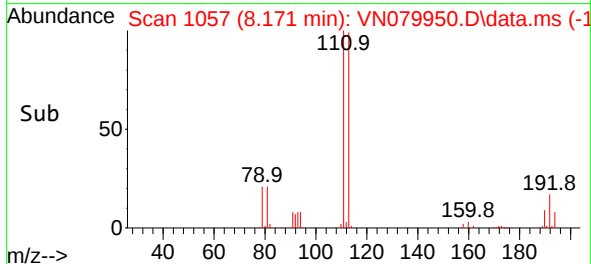
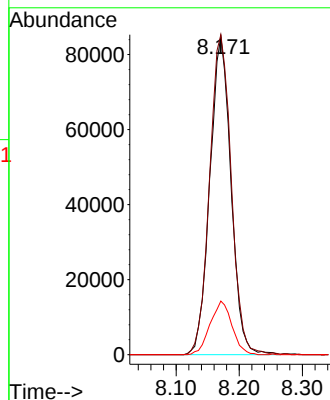
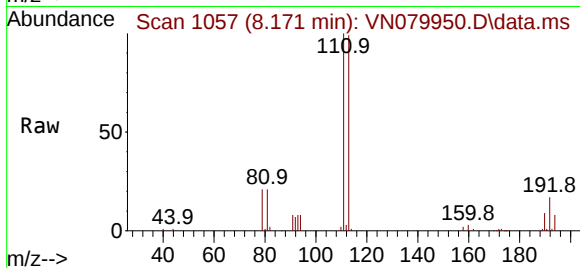
Tgt Ion:113 Resp: 196674

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 17.5 12.7 19.1



#37

Ethyl Acetate

Concen: 1.291 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.012 min

Lab File: VN079950.D

Acq: 07 Nov 2023 06:53

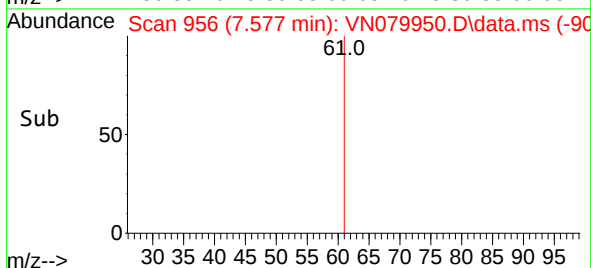
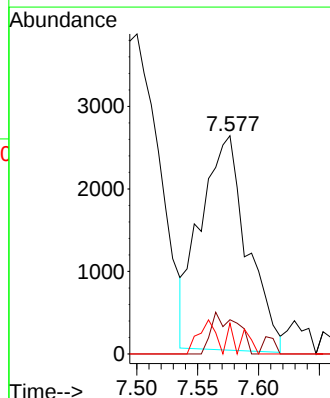
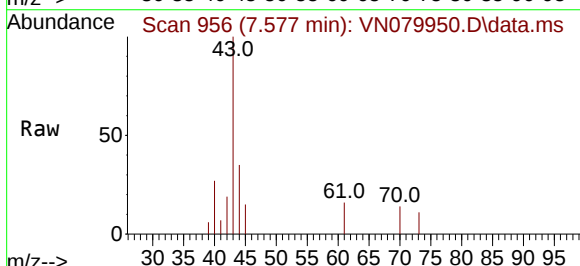
Tgt Ion: 43 Resp: 6950

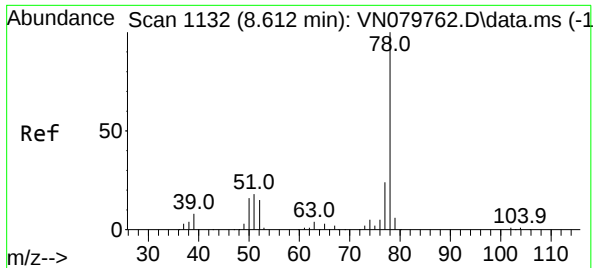
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 1.9 11.3 16.9#

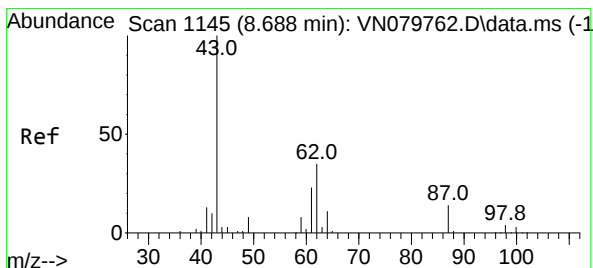
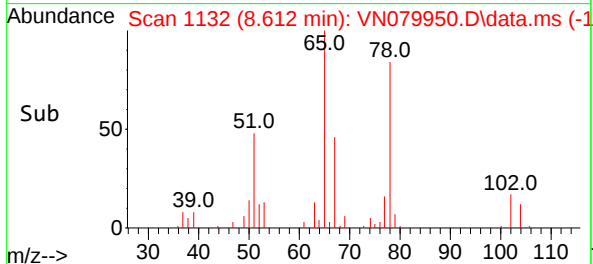
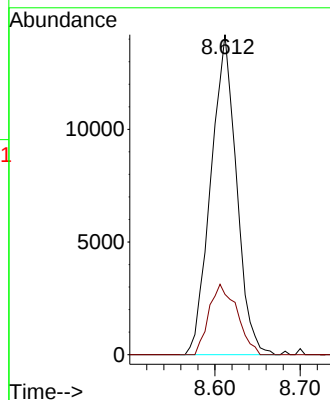
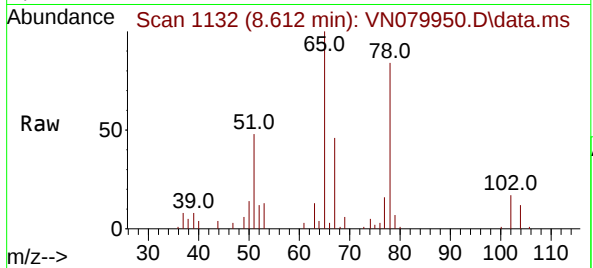




#40
Benzene
Concen: 1.688 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

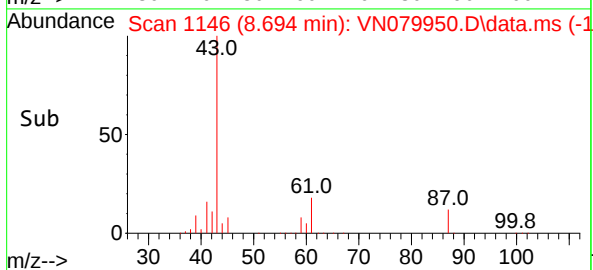
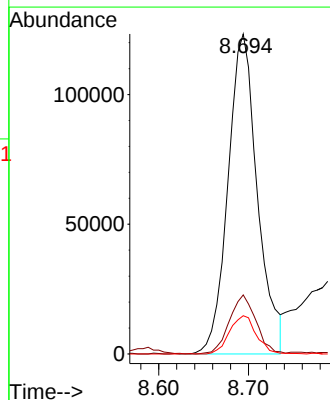
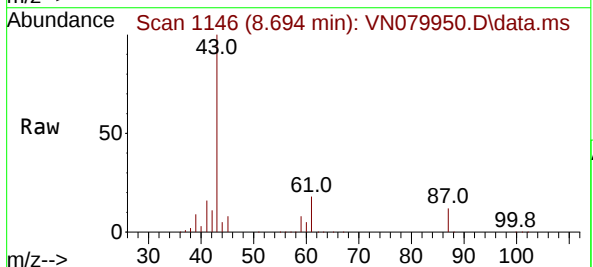
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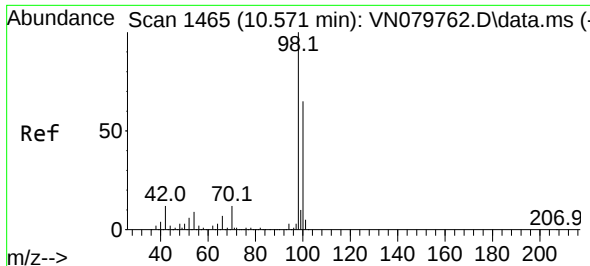
Tgt Ion: 78 Resp: 29676
Ion Ratio Lower Upper
78 100
77 18.9 19.0 28.6#



#43
Isopropyl Acetate
Concen: 29.824 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Tgt Ion: 43 Resp: 281526
Ion Ratio Lower Upper
43 100
61 16.7 24.7 37.1#
87 10.9 14.6 21.8#

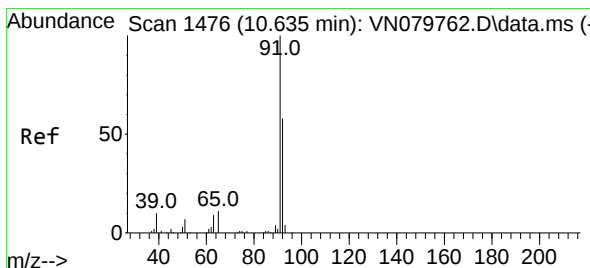
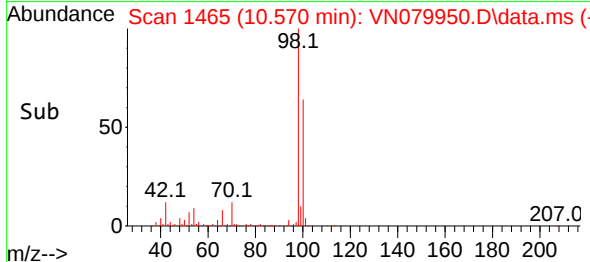
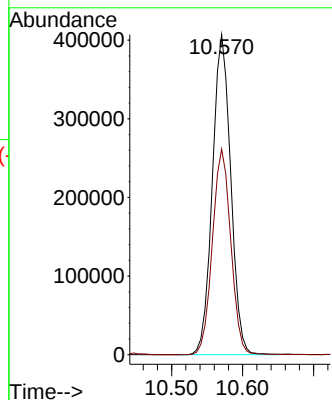
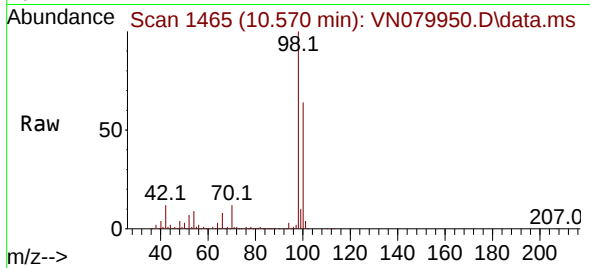




#50
Toluene-d8
Concen: 48.138 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

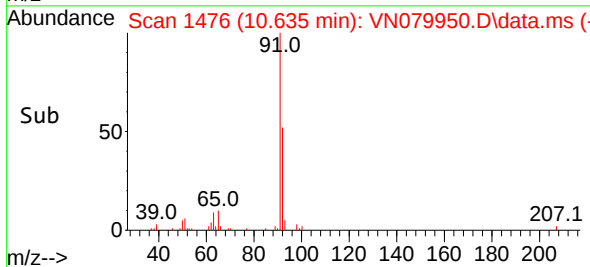
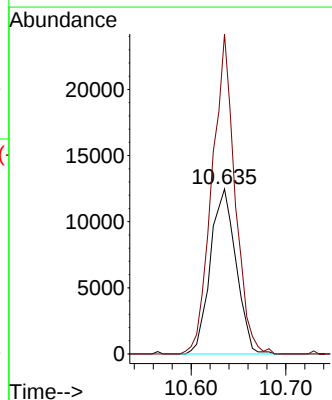
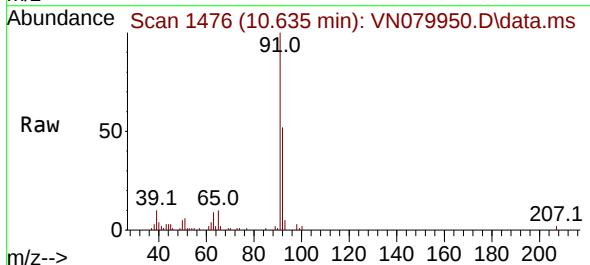
Instrument :
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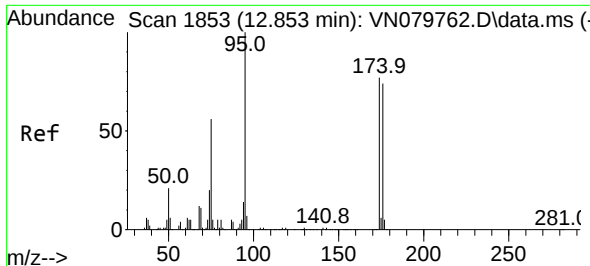
Tgt Ion: 98 Resp: 728434
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#52
Toluene
Concen: 2.253 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Tgt Ion: 92 Resp: 23477
Ion Ratio Lower Upper
92 100
91 173.8 137.4 206.0

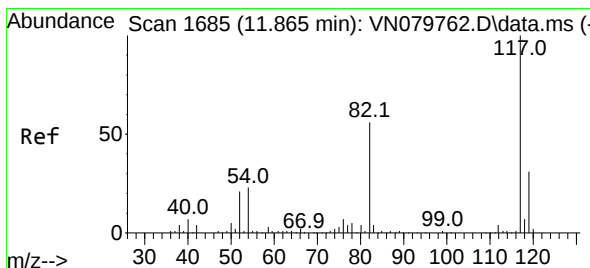
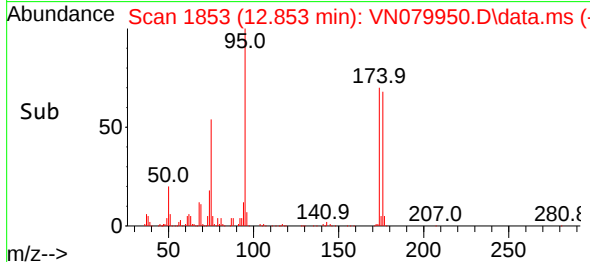
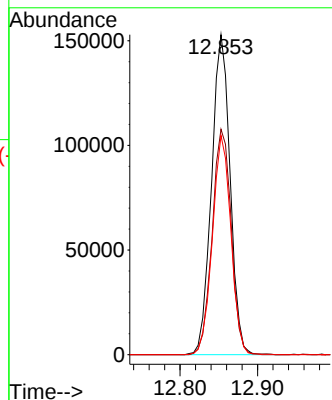
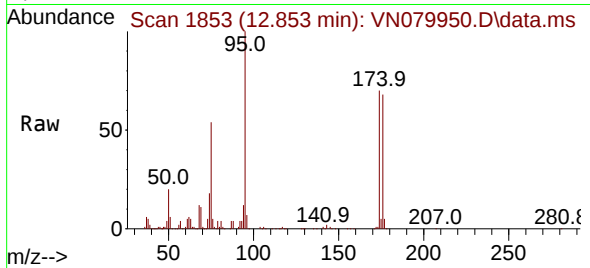




#62
4-Bromofluorobenzene
Concen: 50.646 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

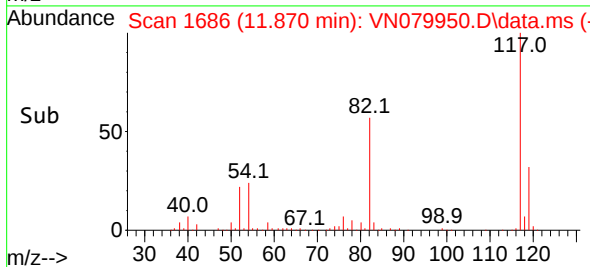
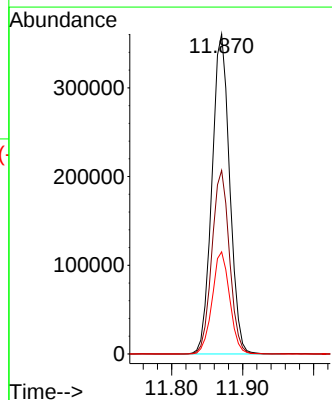
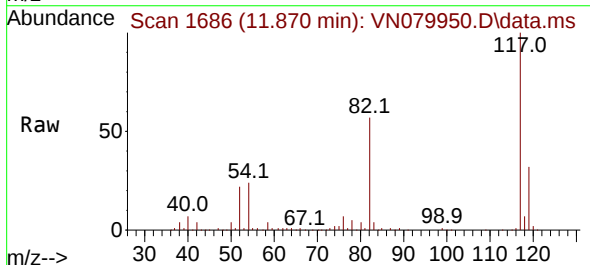
Instrument :
MSVOA_N
ClientSampleId :
60113

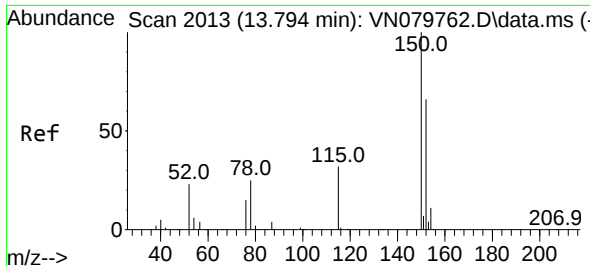
Tgt Ion: 95 Resp: 254173
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.8
176 68.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Tgt Ion: 117 Resp: 623182
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 31.9 25.6 38.4

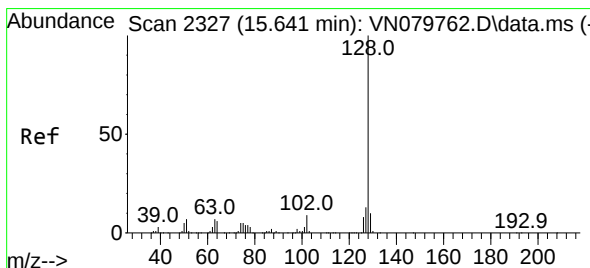
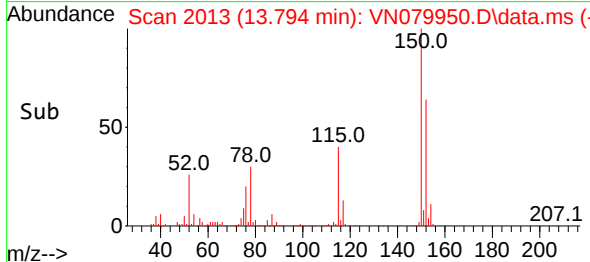
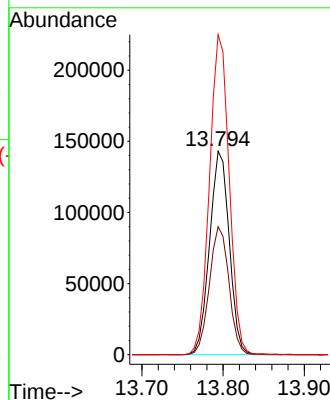
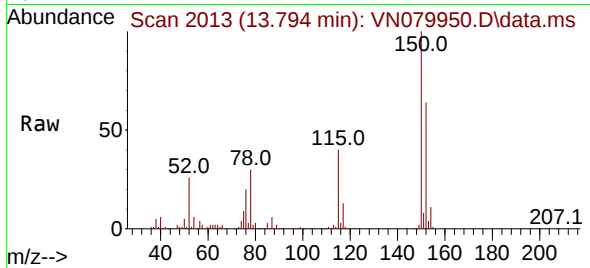




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Instrument :
MSVOA_N
ClientSampleId :
60113

Tgt Ion:152 Resp: 240959
Ion Ratio Lower Upper
152 100
115 62.5 32.3 96.8
150 157.2 0.0 355.8



#95
Naphthalene
Concen: 4.766 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079950.D
Acq: 07 Nov 2023 06:53

Tgt Ion:128 Resp: 60421
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 10.3 8.7 13.1

