

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077827.D
 Acq On : 23 May 2023 21:01
 Operator : JC\MD
 Sample : PB152982ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#09

Quant Time: May 24 02:56:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

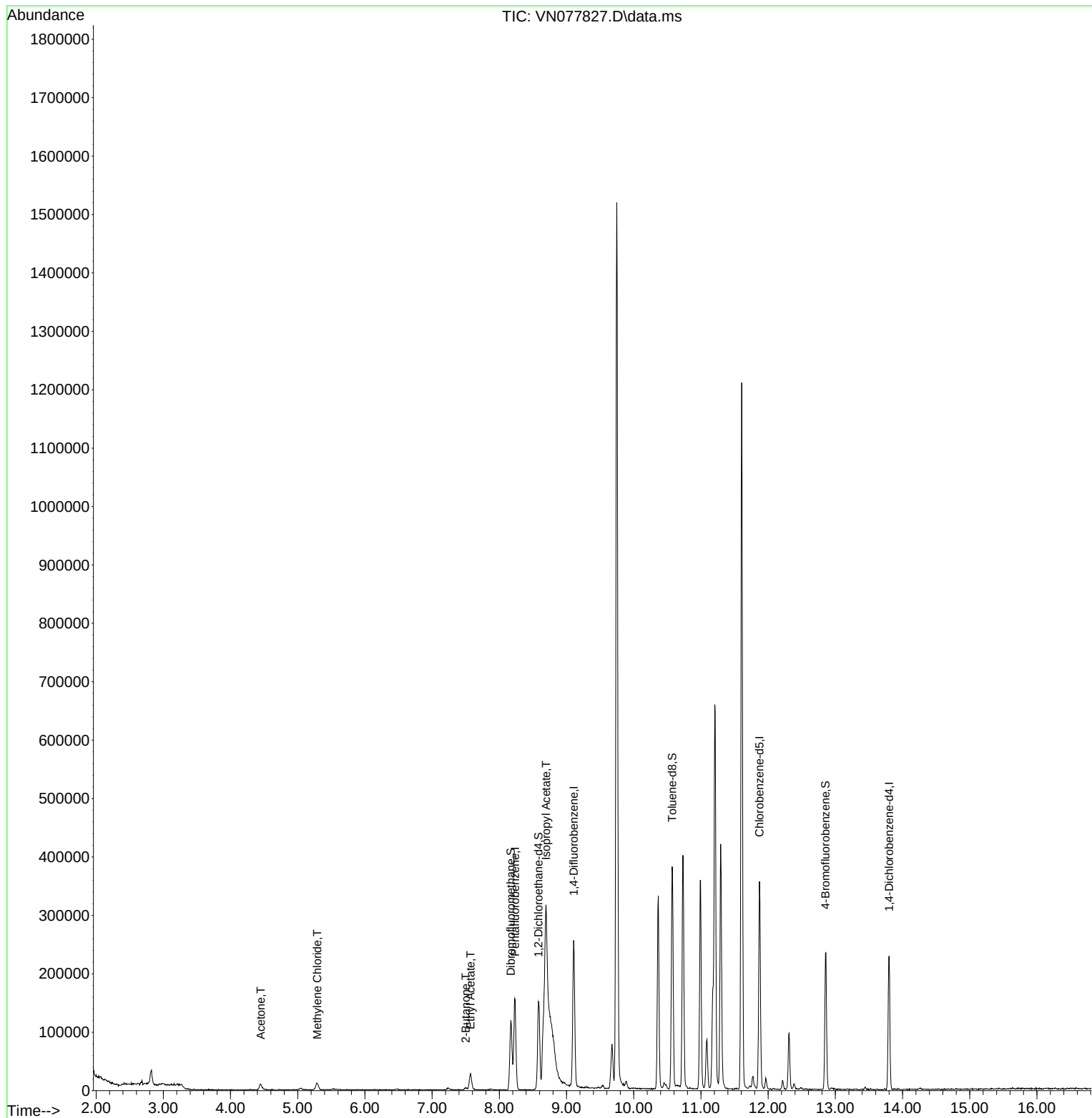
Internal Standards						
1) Pentafluorobenzene	8.236	168	113281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	221145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	210981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	62523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126532	74.651	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 149.300%#			
35) Dibromofluoromethane	8.171	113	85051	58.979	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.960%			
50) Toluene-d8	10.571	98	277124	49.927	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.853	95	86328	44.037	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.080%			
Target Compounds					Qvalue	
16) Acetone	4.448	43	18049	33.846	ug/l	99
20) Methylene Chloride	5.289	84	8889	4.611	ug/l #	90
25) 2-Butanone	7.500	43	5888	7.058	ug/l	89
37) Ethyl Acetate	7.571	43	40522	21.554	ug/l	97
43) Isopropyl Acetate	8.694	43	699428	227.770	ug/l #	59

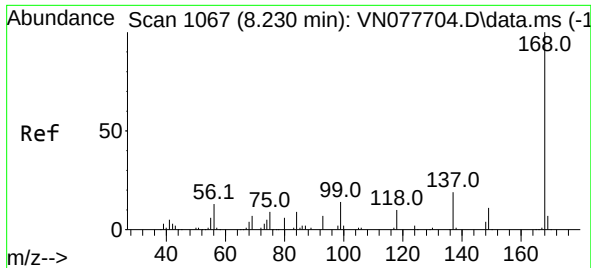
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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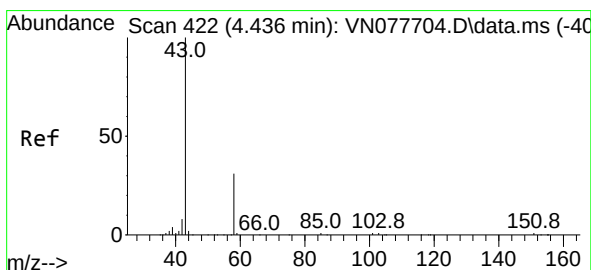
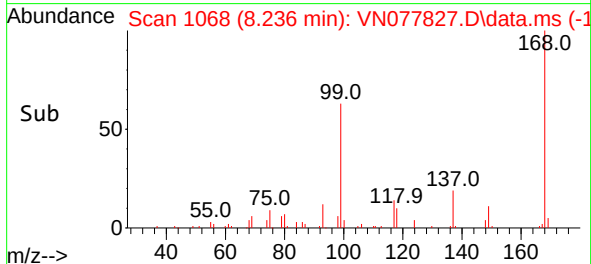
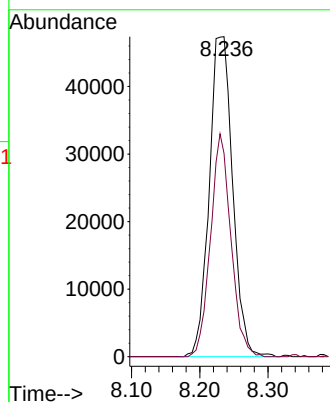
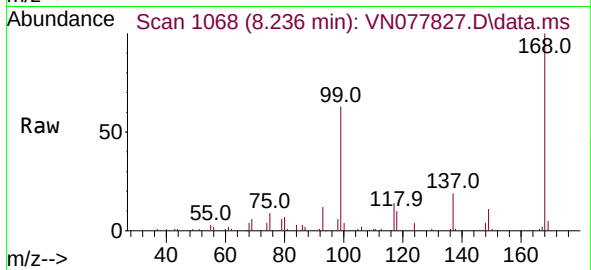




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

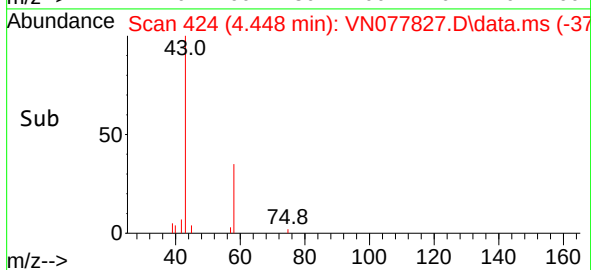
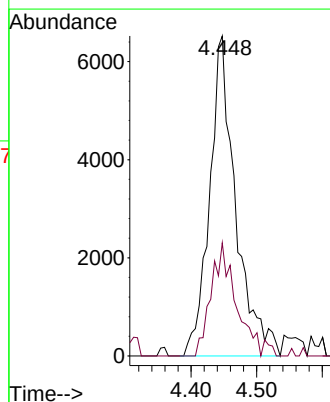
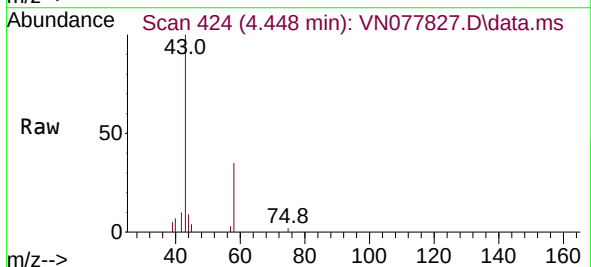
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#09

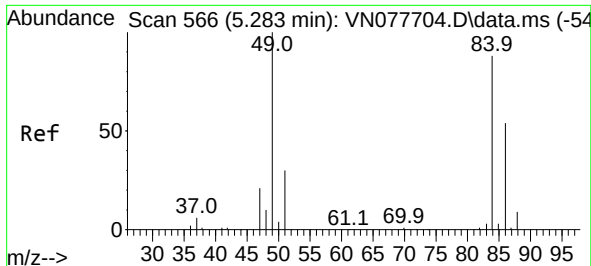
Tgt Ion:168 Resp: 113281
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6



#16
Acetone
Concen: 33.846 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

Tgt Ion: 43 Resp: 18049
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0

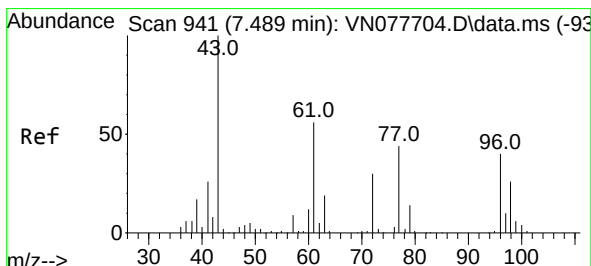
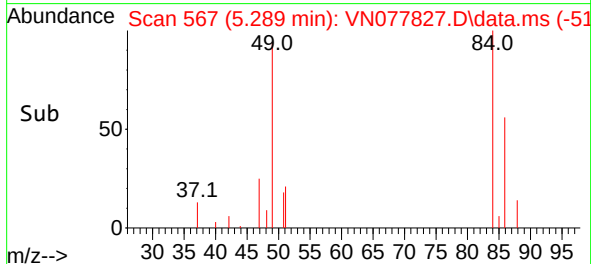
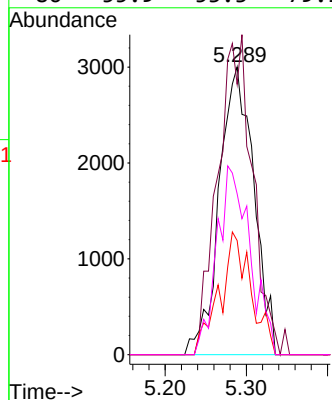
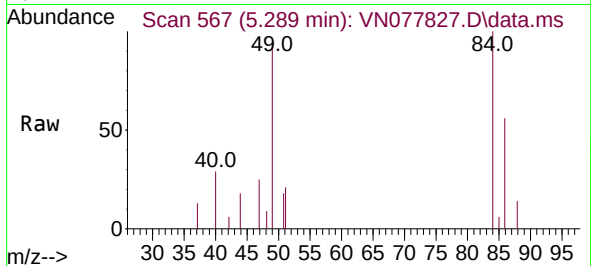




#20
Methylene Chloride
Concen: 4.611 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

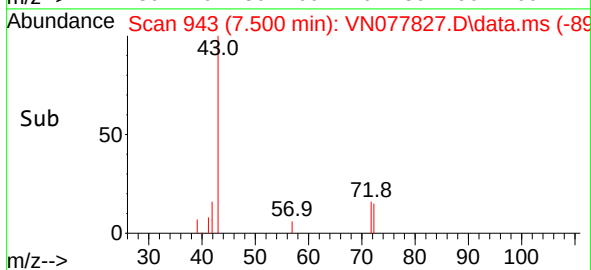
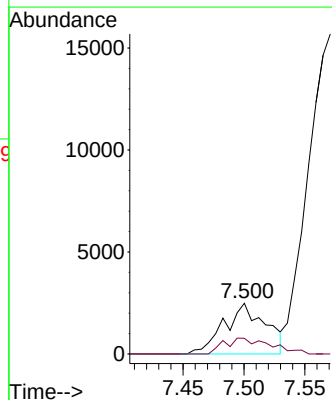
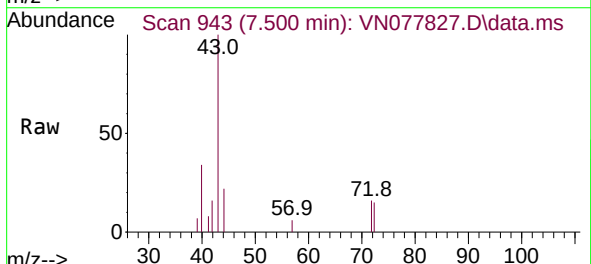
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#09

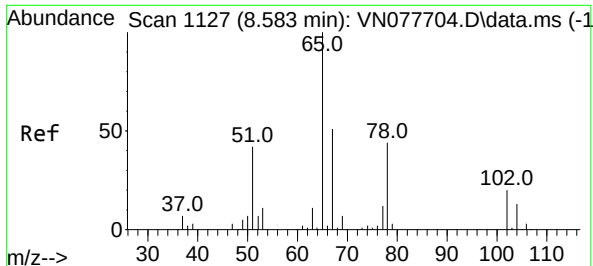
Tgt Ion: 84	Resp:	8889	
Ion	Ratio	Lower	Upper
84	100		
49	93.9	79.7	119.5
51	39.6	25.2	37.8#
86	55.9	53.3	79.9



#25
2-Butanone
Concen: 7.058 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

Tgt Ion: 43	Resp: 5888
Ion Ratio	Lower Upper
43 100	
72 30.9	30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 74.651 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077827.D

Acq: 23 May 2023 21:01

Instrument :

MSVOA_N

ClientSampleId :

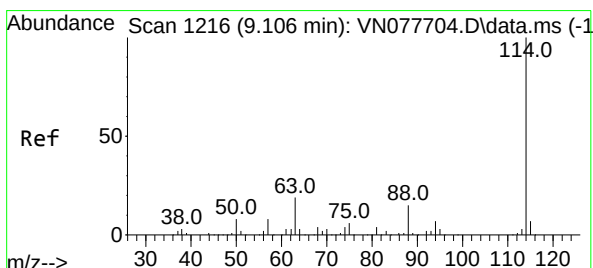
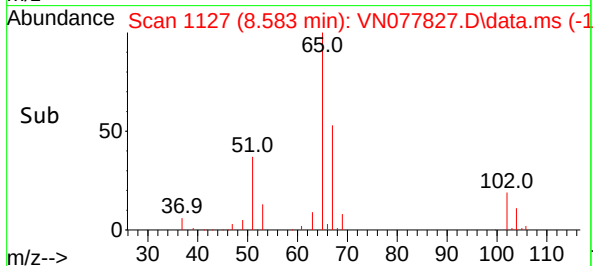
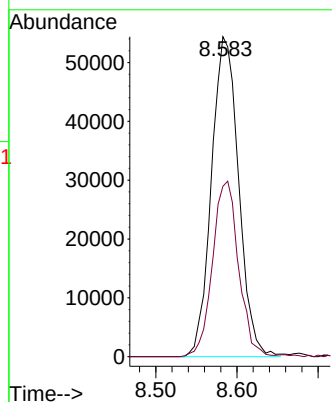
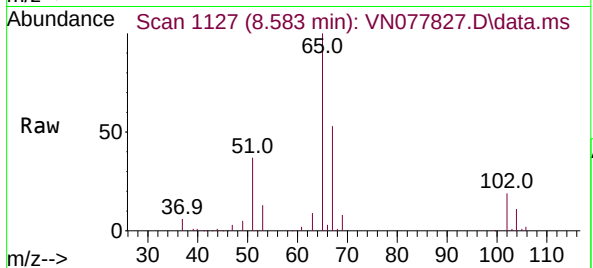
PB152982ZHE#09

Tgt Ion: 65 Resp: 126532

Ion Ratio Lower Upper

65 100

67 52.6 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: VN077827.D

Acq: 23 May 2023 21:01

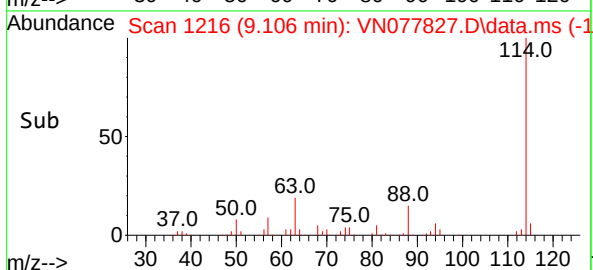
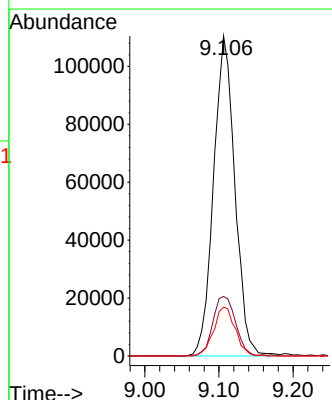
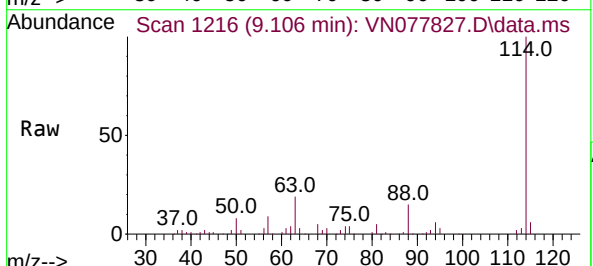
Tgt Ion: 114 Resp: 221145

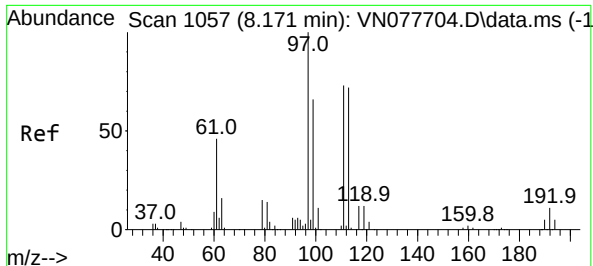
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.979 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077827.D

Acq: 23 May 2023 21:01

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#09

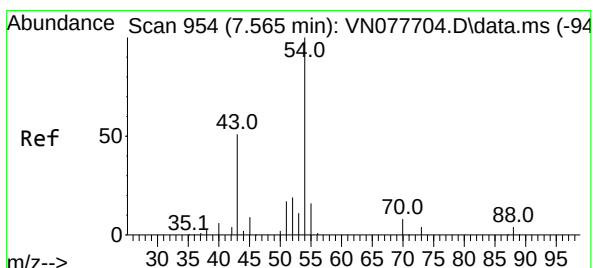
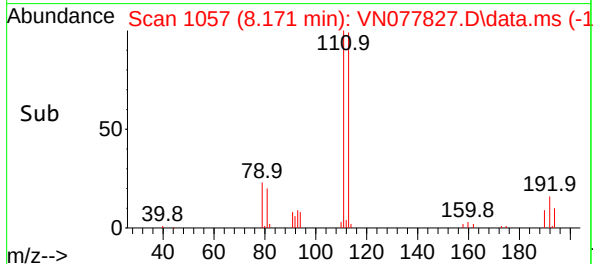
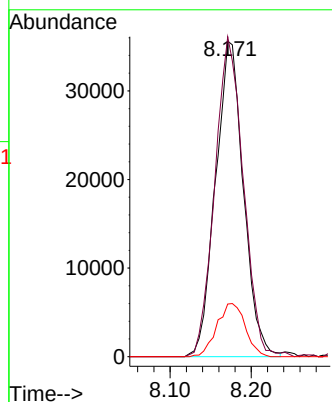
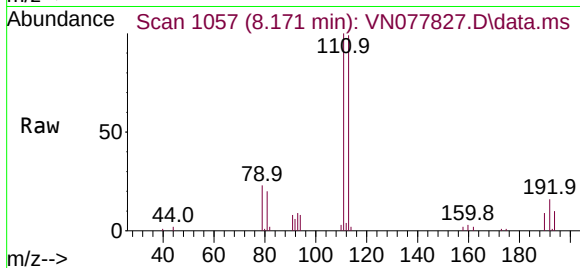
Tgt Ion:113 Resp: 85051

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 17.2 12.7 19.1



#37

Ethyl Acetate

Concen: 21.554 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN077827.D

Acq: 23 May 2023 21:01

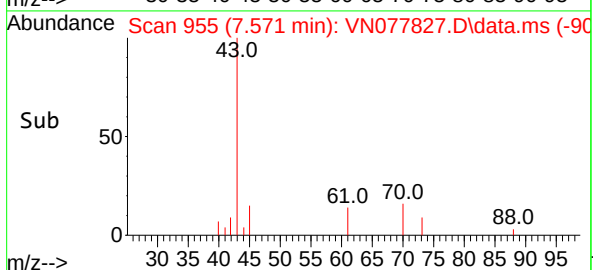
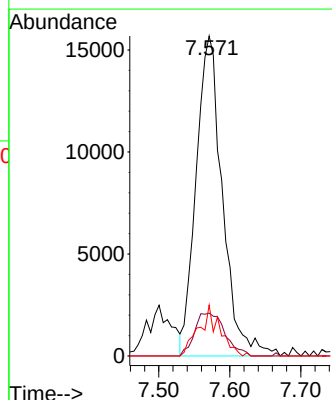
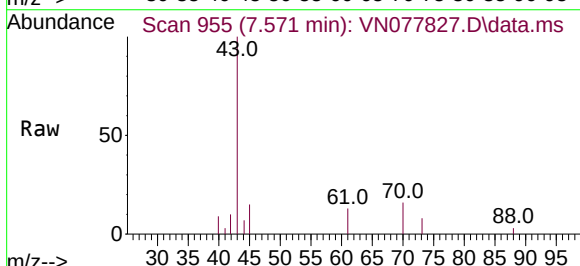
Tgt Ion: 43 Resp: 40522

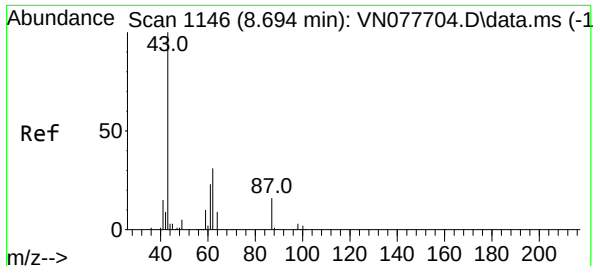
Ion Ratio Lower Upper

43 100

61 15.4 13.2 19.8

70 12.8 11.3 16.9

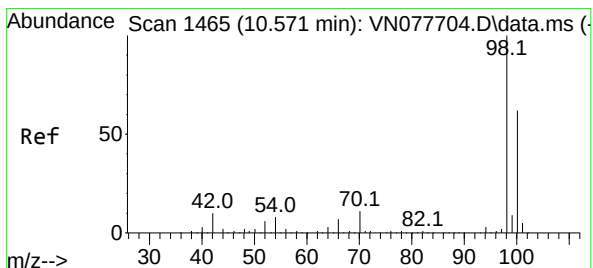
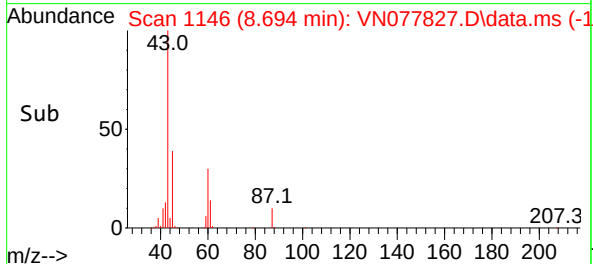
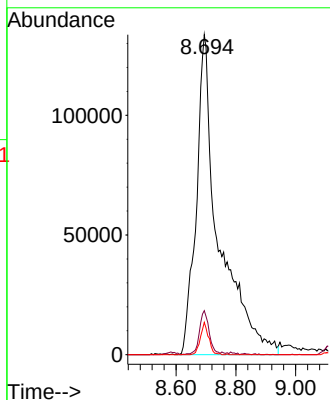
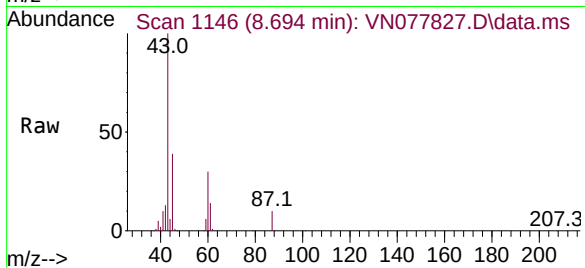




#43
Isopropyl Acetate
Concen: 227.770 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

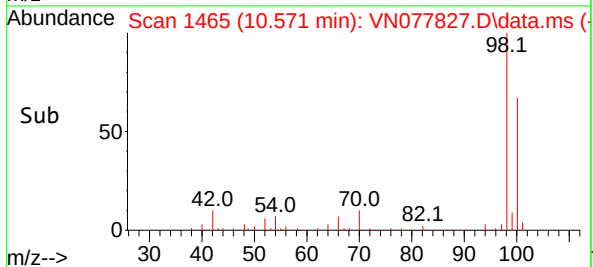
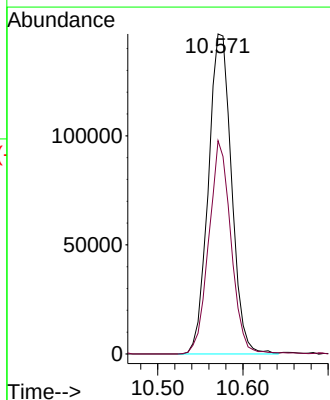
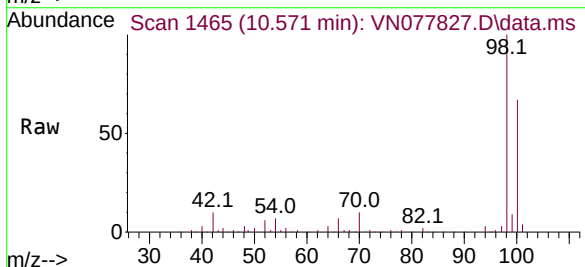
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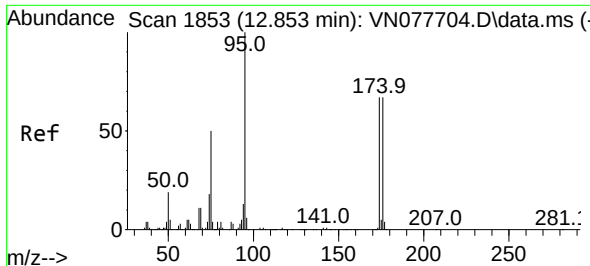
Tgt Ion: 43 Resp: 699428
Ion Ratio Lower Upper
43 100
61 6.0 24.7 37.1#
87 3.7 14.6 21.8#



#50
Toluene-d8
Concen: 49.927 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

Tgt Ion: 98 Resp: 277124
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

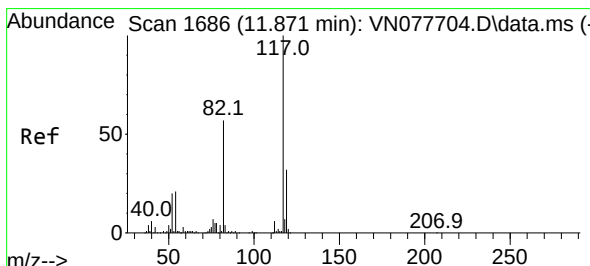
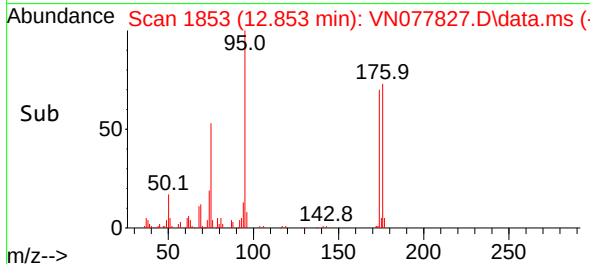
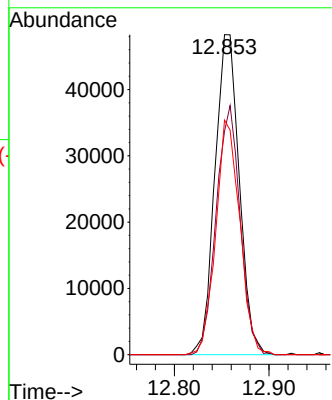
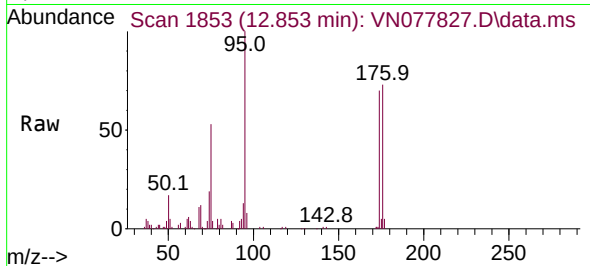




#62
4-Bromofluorobenzene
Concen: 44.037 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

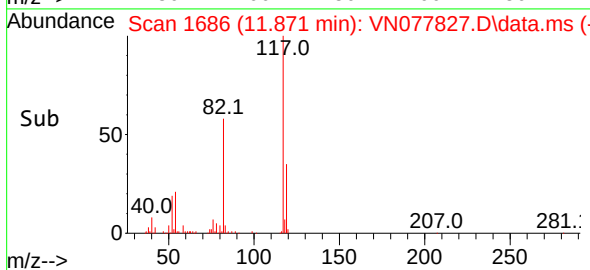
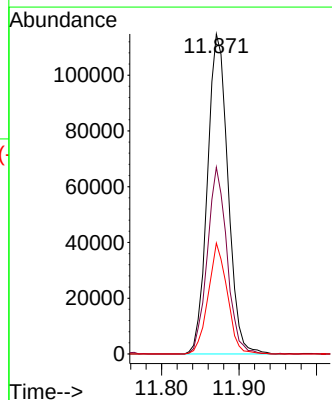
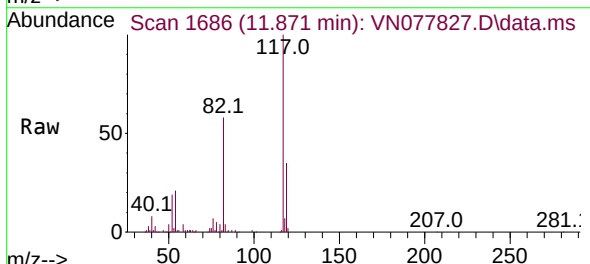
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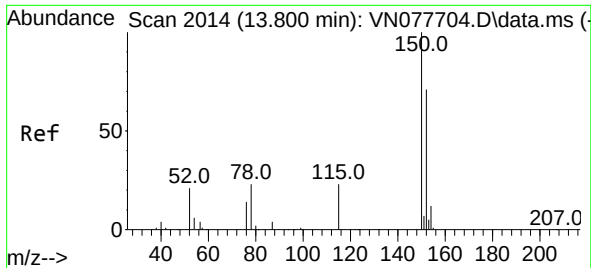
Tgt Ion: 95 Resp: 86328
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077827.D
Acq: 23 May 2023 21:01

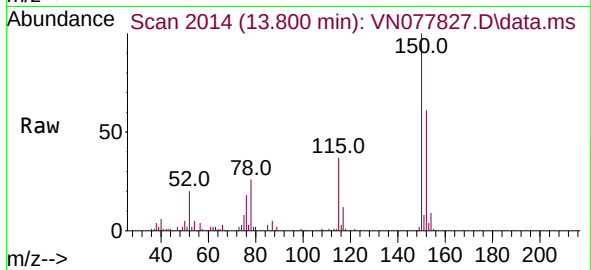
Tgt Ion: 117 Resp: 210981
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 34.6 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077827.D
 Acq: 23 May 2023 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#09



Tgt Ion:152 Resp: 62523
 Ion Ratio Lower Upper
 152 100
 115 64.6 32.3 96.8
 150 165.5 0.0 355.8

