

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077948.D
 Acq On : 27 May 2023 01:39
 Operator : JC\MD
 Sample : 02953-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-RH-524-2

Quant Time: May 29 01:41:21 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)

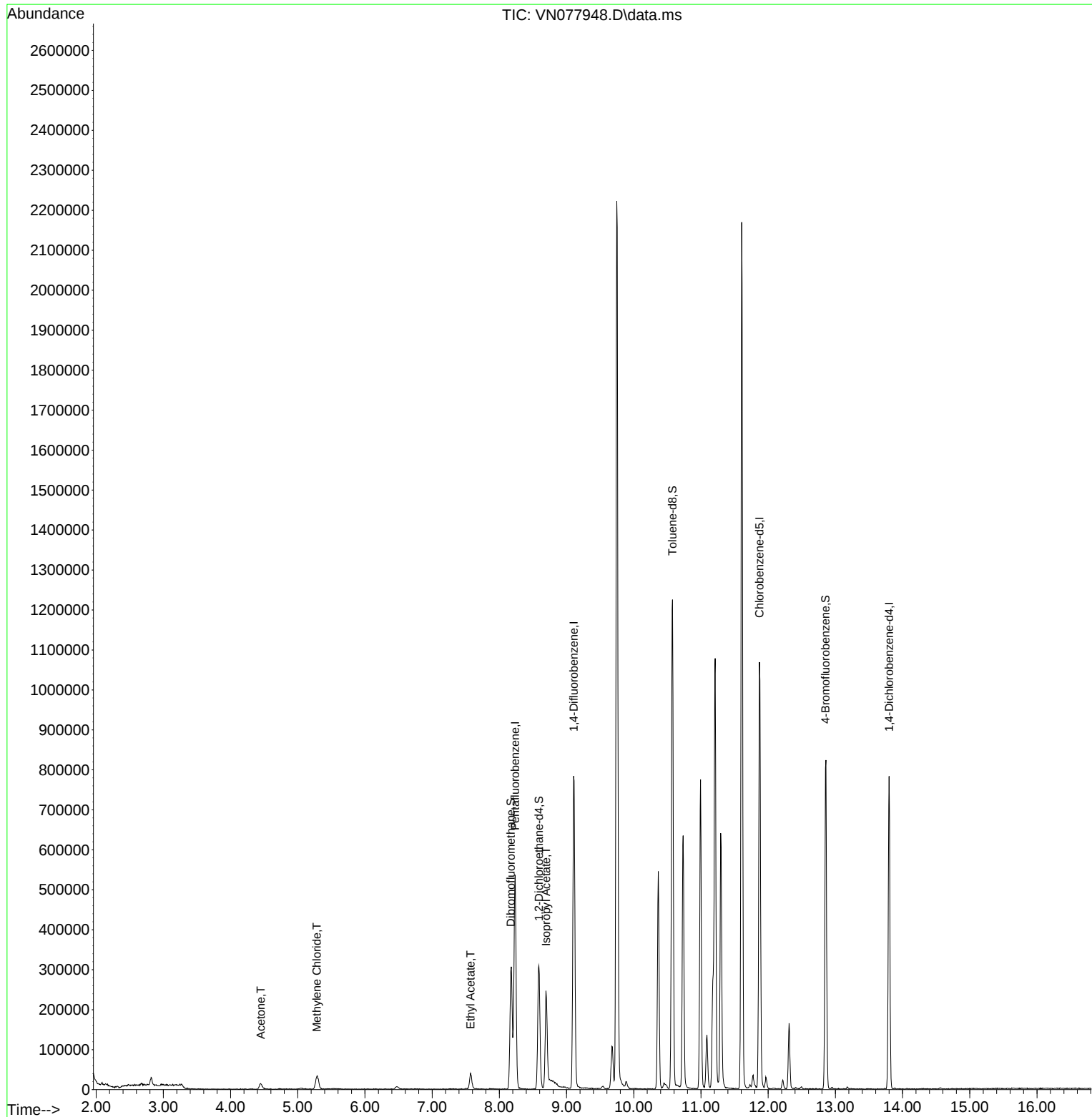
Internal Standards						
1) Pentafluorobenzene	8.235	168	379974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	704915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	645873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262043	46.091	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.180%
35) Dibromofluoromethane	8.171	113	223826	48.693	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.380%
50) Toluene-d8	10.576	98	892237	50.429	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.860%
62) 4-Bromofluorobenzene	12.853	95	293963	47.043	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.080%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	26999	15.094	ug/l	88
20) Methylene Chloride	5.283	84	27721	4.142	ug/l	91
37) Ethyl Acetate	7.571	43	54315	9.064	ug/l	98
43) Isopropyl Acetate	8.694	43	277745	28.375	ug/l #	81

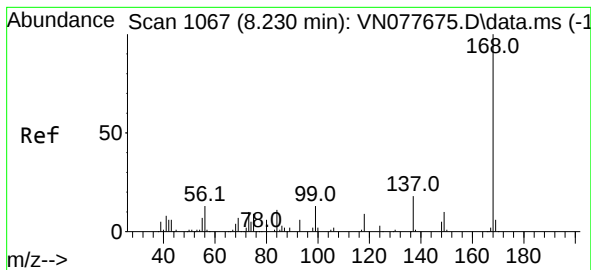
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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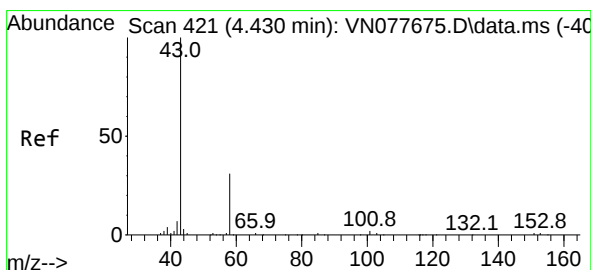
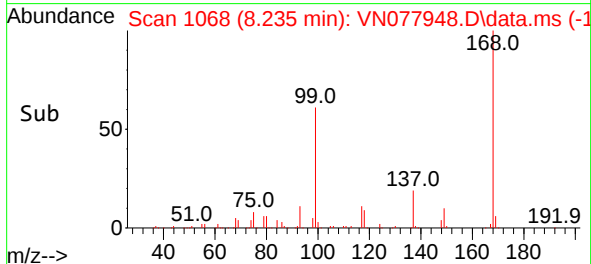
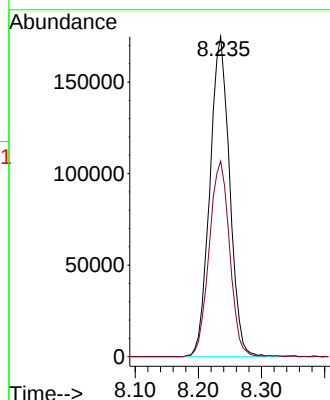
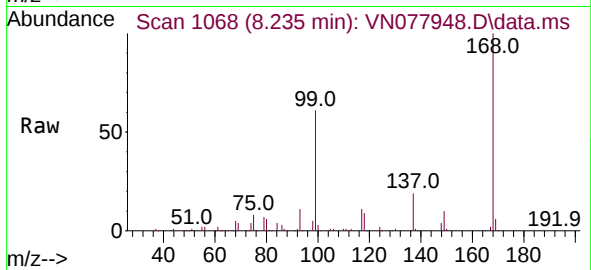




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

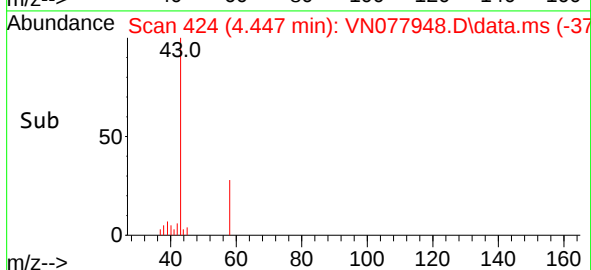
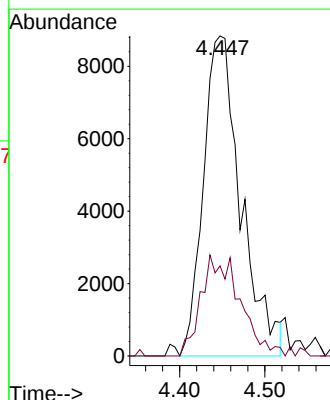
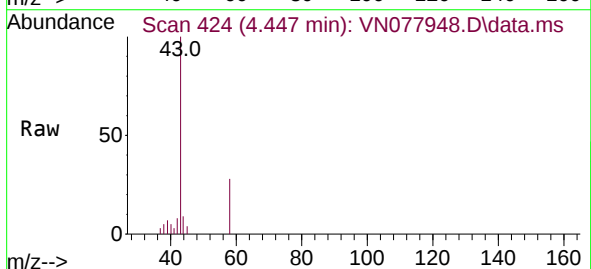
Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-2

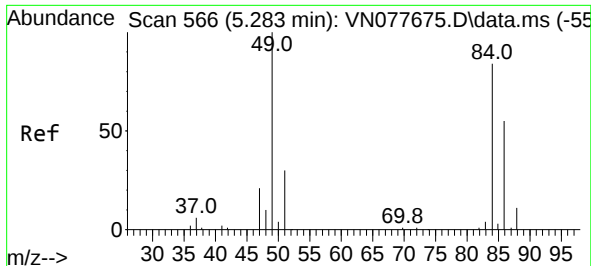
Tgt Ion:168 Resp: 379974
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#16
Acetone
Concen: 15.094 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

Tgt Ion: 43 Resp: 26999
Ion Ratio Lower Upper
43 100
58 28.2 28.0 42.0

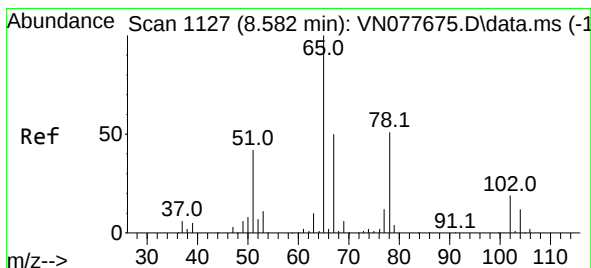
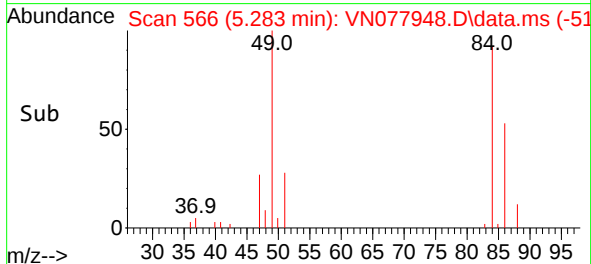
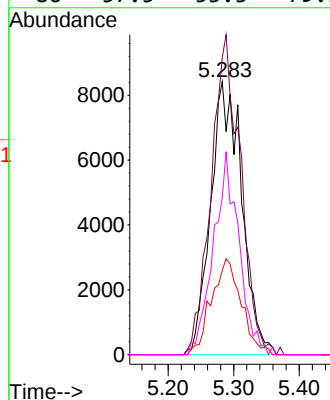
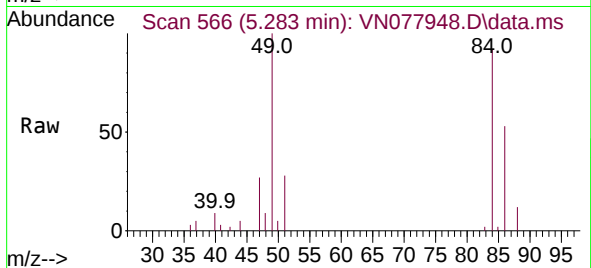




#20
Methylene Chloride
Concen: 4.142 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

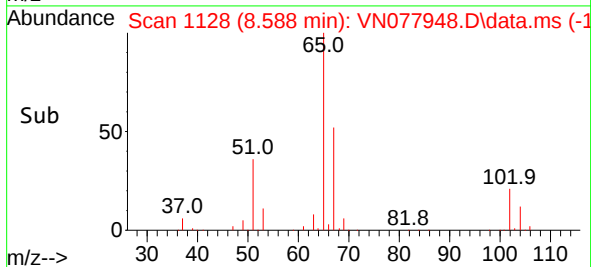
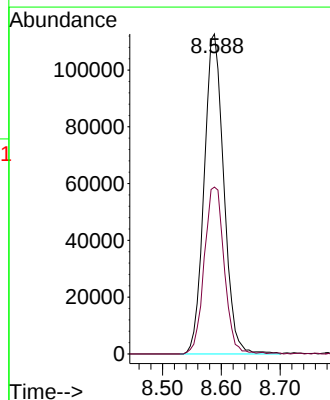
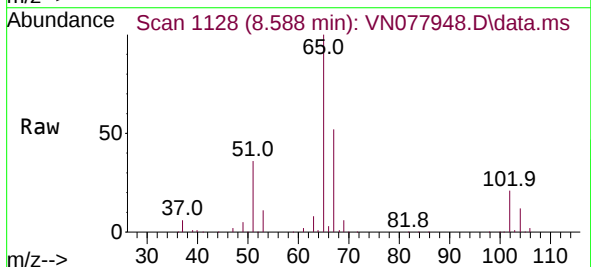
Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-2

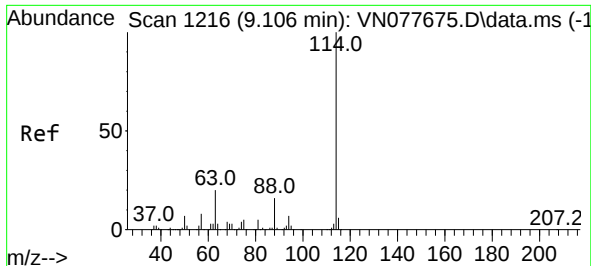
Tgt Ion:	84	Resp:	27721
Ion	Ratio	Lower	Upper
84	100		
49	108.9	79.7	119.5
51	30.9	25.2	37.8
86	57.5	53.3	79.9



#33
1,2-Dichloroethane-d4
Concen: 46.091 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

Tgt Ion:	65	Resp:	262043
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.6

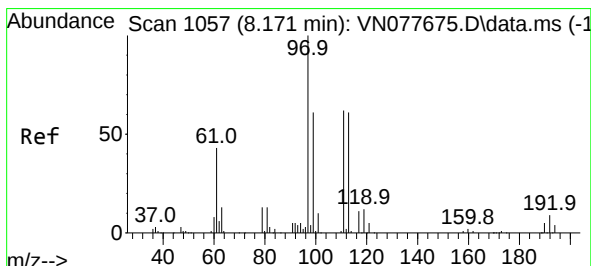
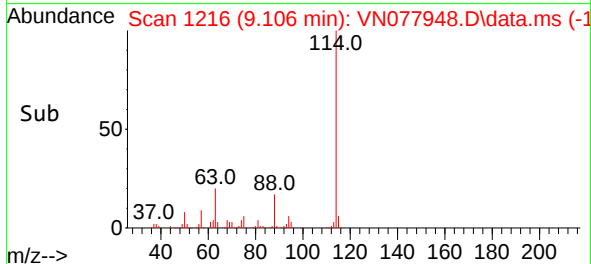
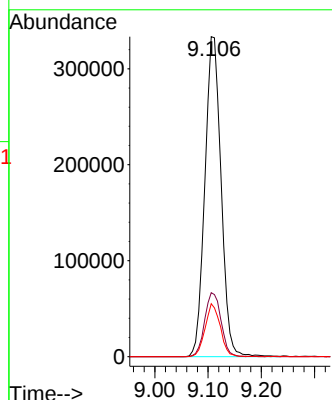
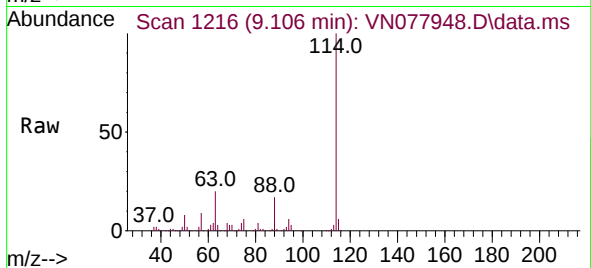




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

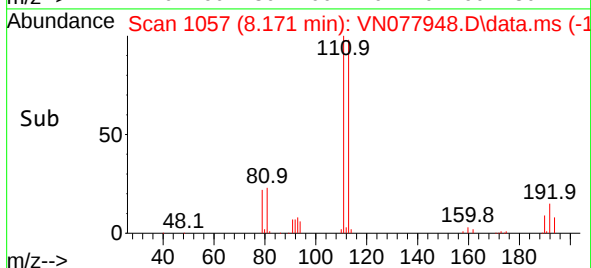
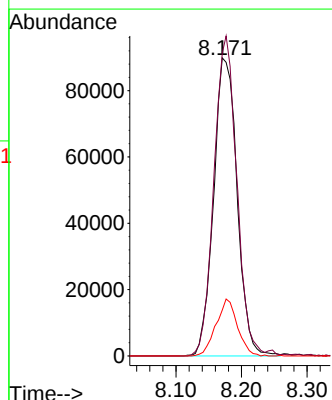
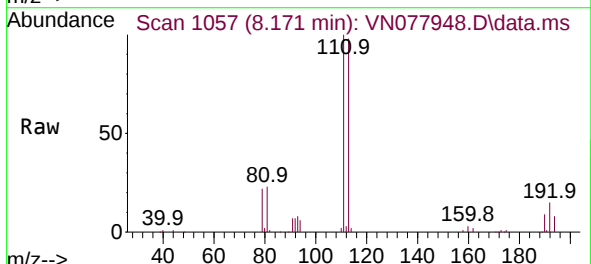
Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-2

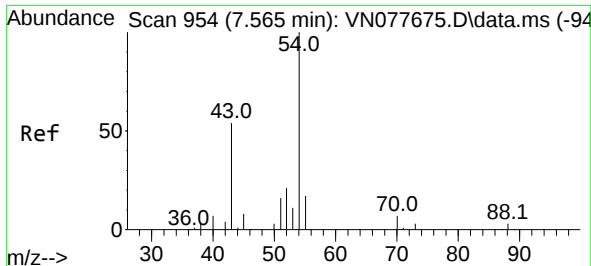
Tgt Ion:114 Resp: 704915
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.693 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

Tgt Ion:113 Resp: 223826
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.4 12.7 19.1





#37

Ethyl Acetate

Concen: 9.064 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077948.D

Acq: 27 May 2023 01:39

Instrument :

MSVOA_N

ClientSampleId :

PNNL-RH-524-2

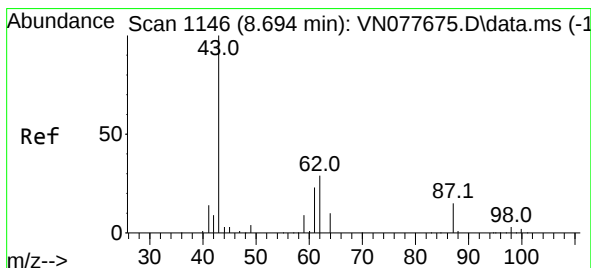
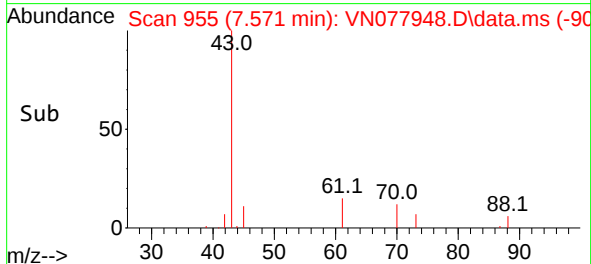
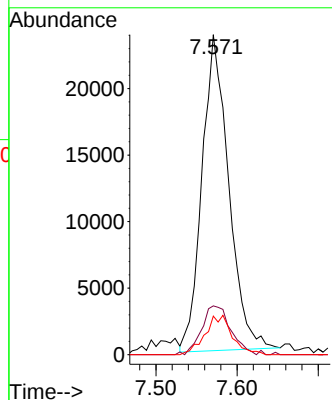
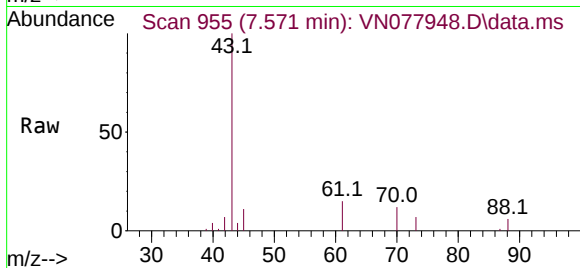
Tgt Ion: 43 Resp: 54315

Ion Ratio Lower Upper

43 100

61 16.8 13.2 19.8

70 12.6 11.3 16.9



#43

Isopropyl Acetate

Concen: 28.375 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN077948.D

Acq: 27 May 2023 01:39

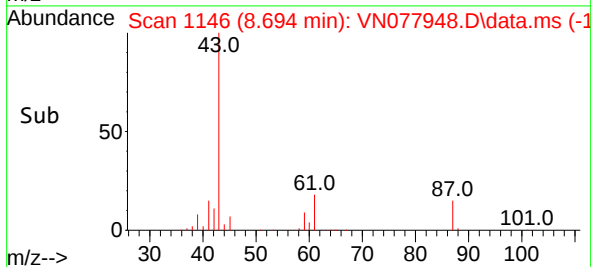
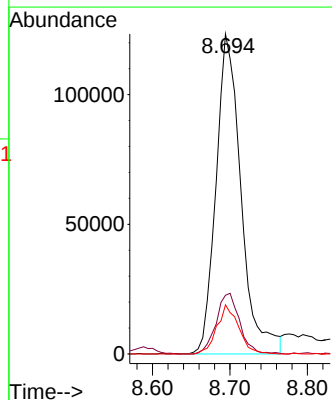
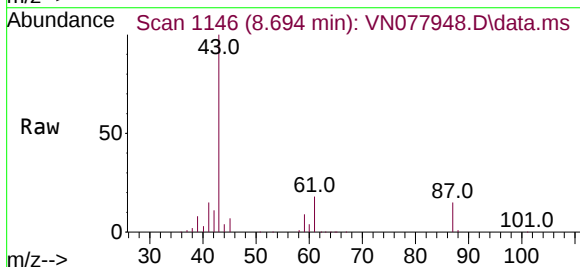
Tgt Ion: 43 Resp: 277745

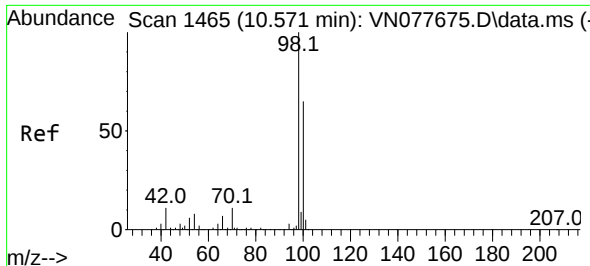
Ion Ratio Lower Upper

43 100

61 17.7 24.7 37.1#

87 13.3 14.6 21.8#

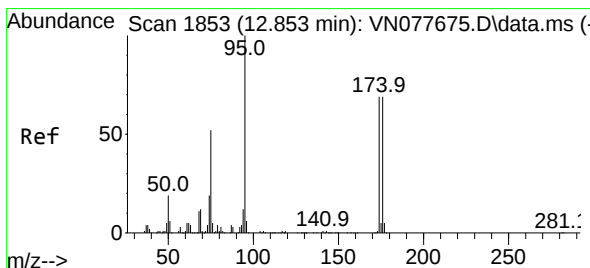
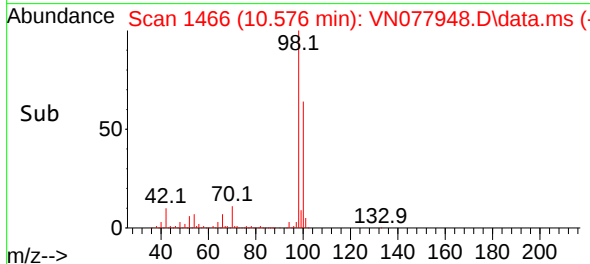
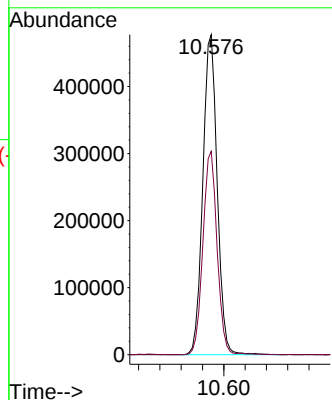
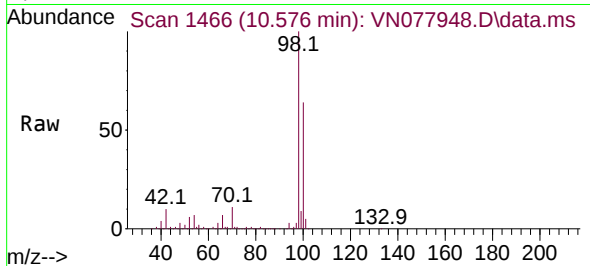




#50
Toluene-d8
Concen: 50.429 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

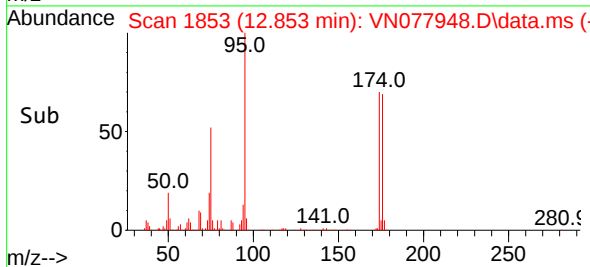
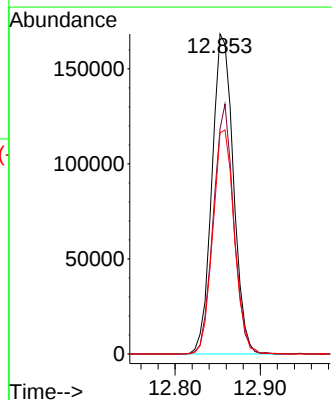
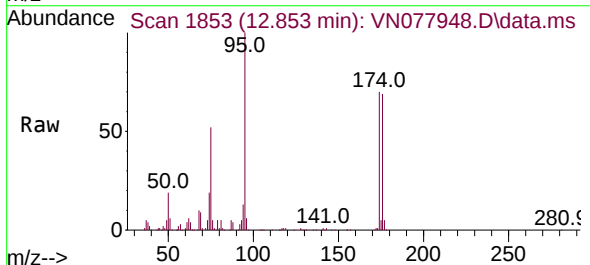
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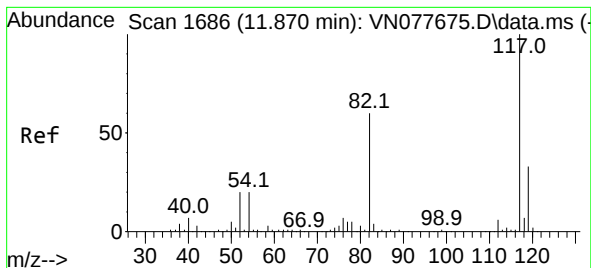
Tgt Ion: 98 Resp: 892237
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.043 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077948.D
Acq: 27 May 2023 01:39

Tgt Ion: 95 Resp: 293963
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 70.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077948.D

Acq: 27 May 2023 01:39

Instrument :

MSVOA_N

ClientSampleId :

PNNL-RH-524-2

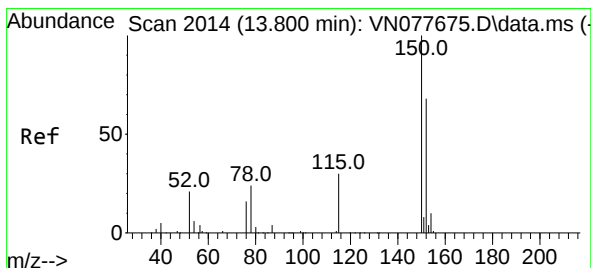
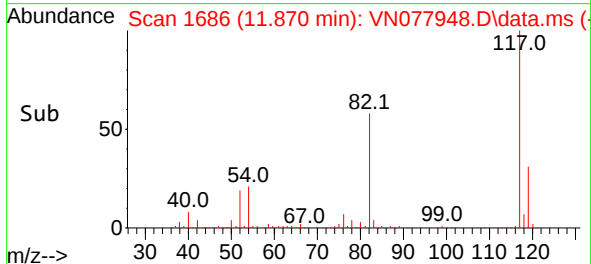
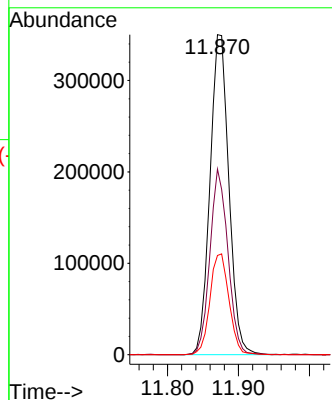
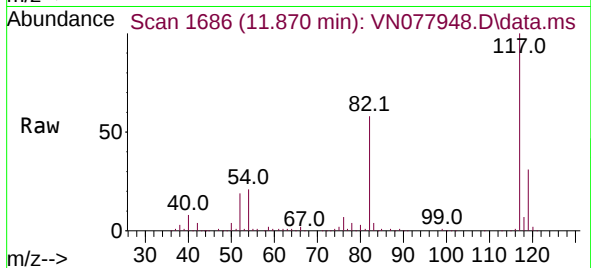
Tgt Ion:117 Resp: 645873

Ion Ratio Lower Upper

117 100

82 58.0 44.0 66.0

119 31.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077948.D

Acq: 27 May 2023 01:39

Tgt Ion:152 Resp: 210001

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 156.3 0.0 355.8

