

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077947.D
 Acq On : 27 May 2023 01:15
 Operator : JC\MD
 Sample : 02953-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-RH-524-1

Quant Time: May 29 01:40:58 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)

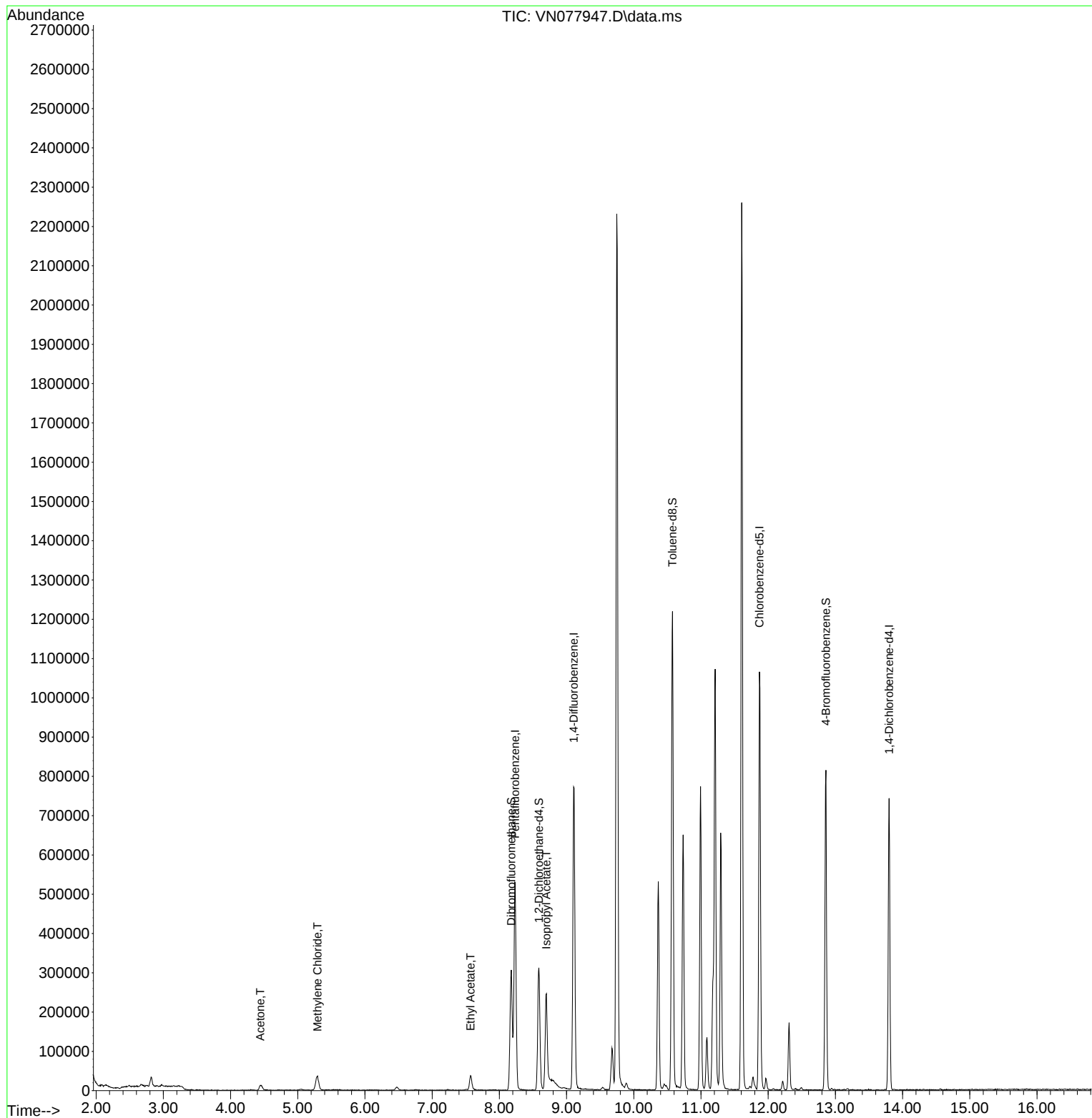
Internal Standards						
1) Pentafluorobenzene	8.235	168	374528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	687099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	641093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	196066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262354	46.816	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.640%
35) Dibromofluoromethane	8.177	113	222452	49.649	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.300%
50) Toluene-d8	10.576	98	877778	50.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.800%
62) 4-Bromofluorobenzene	12.859	95	285713	46.909	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.820%
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	26415	14.982	ug/l	94
20) Methylene Chloride	5.294	84	29241	4.577	ug/l	92
37) Ethyl Acetate	7.571	43	55359	9.477	ug/l #	96
43) Isopropyl Acetate	8.700	43	302532	31.709	ug/l #	78

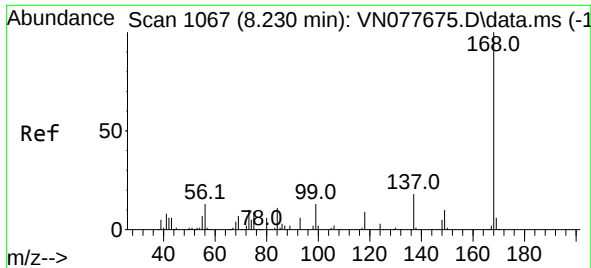
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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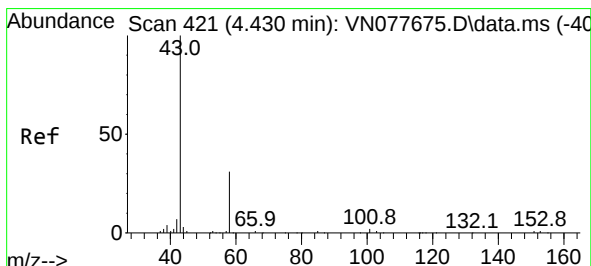
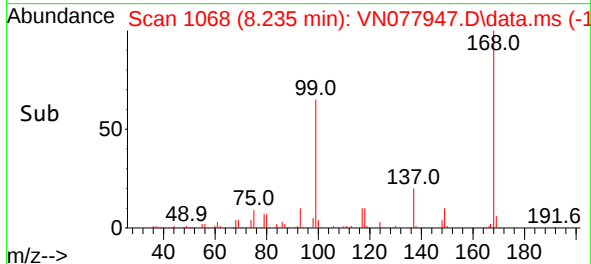
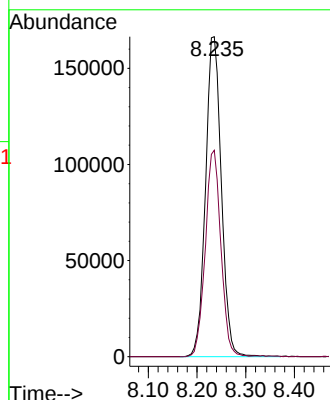
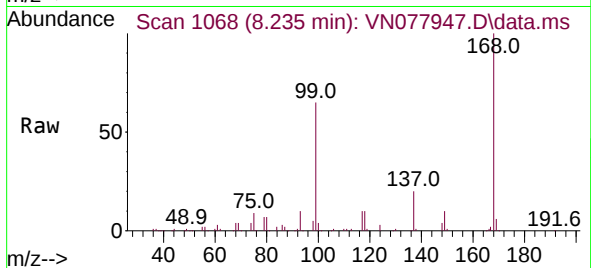




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

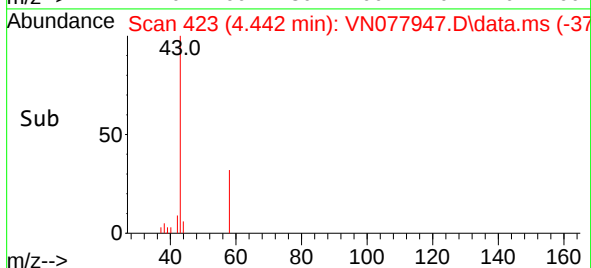
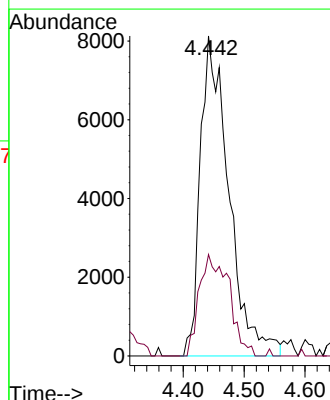
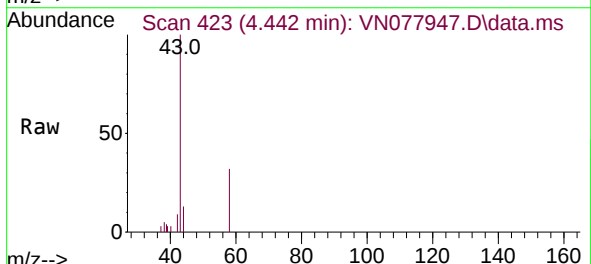
Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-1

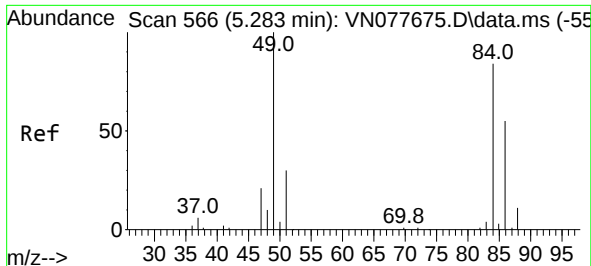
Tgt Ion:168 Resp: 374528
Ion Ratio Lower Upper
168 100
99 64.5 53.0 79.6



#16
Acetone
Concen: 14.982 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

Tgt Ion: 43 Resp: 26415
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0

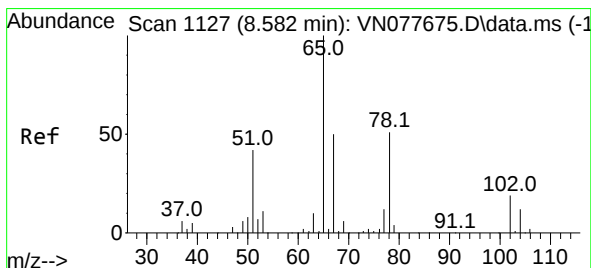
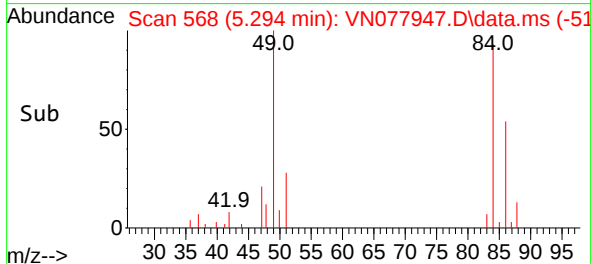
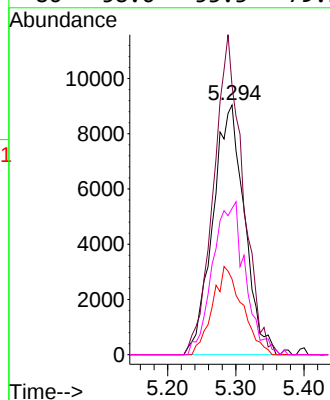
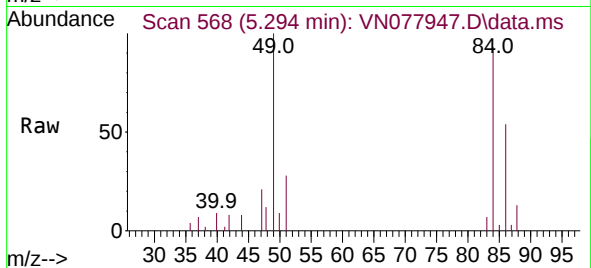




#20
Methylene Chloride
Concen: 4.577 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

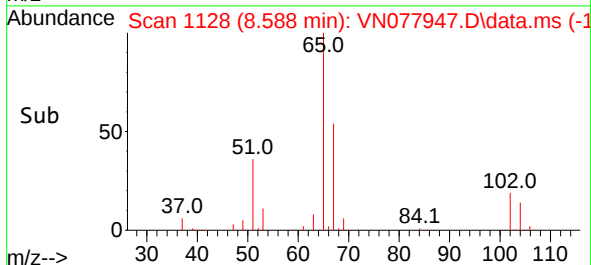
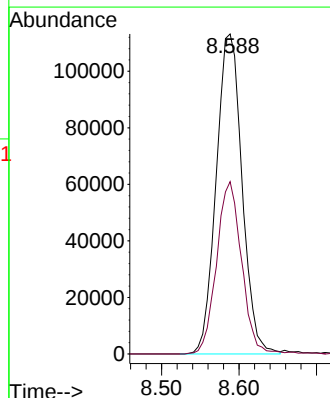
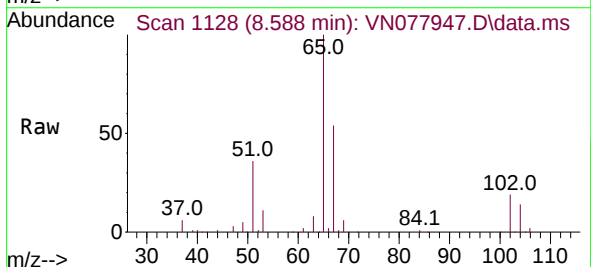
Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-1

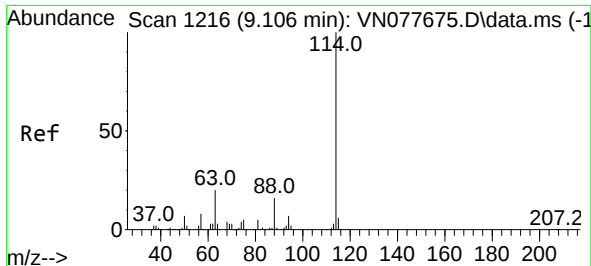
Tgt Ion:	84	Resp:	29241
Ion	Ratio	Lower	Upper
84	100		
49	107.7	79.7	119.5
51	30.2	25.2	37.8
86	58.6	53.3	79.9



#33
1,2-Dichloroethane-d4
Concen: 46.816 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

Tgt Ion:	65	Resp:	262354
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.6

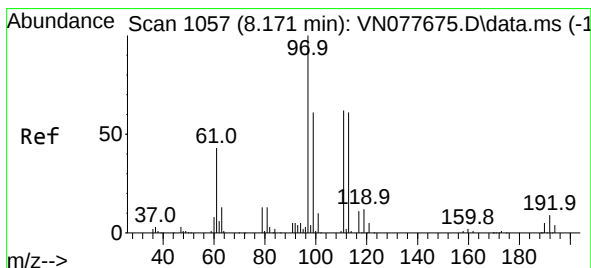
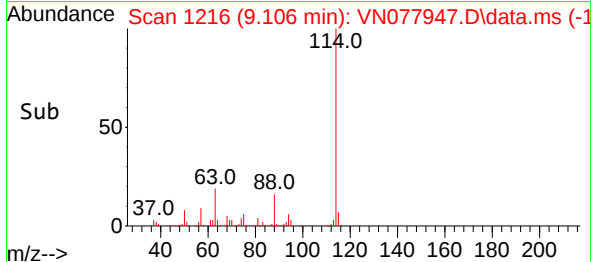
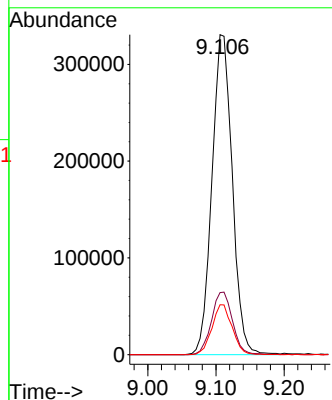
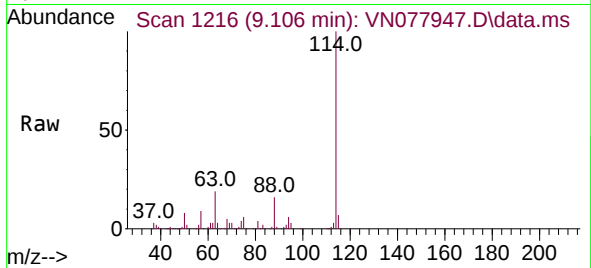




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

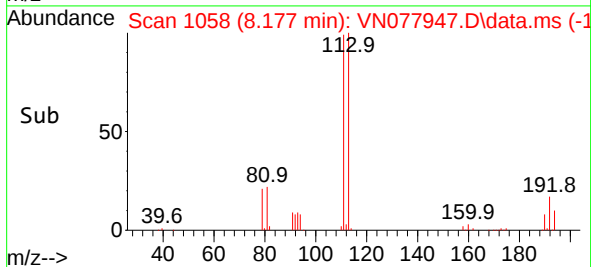
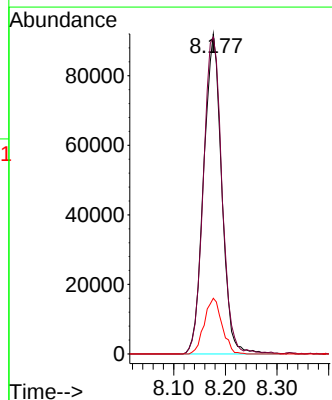
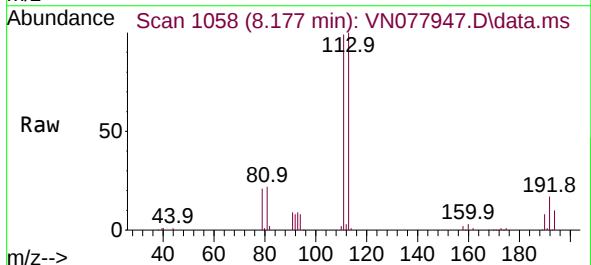
Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-1

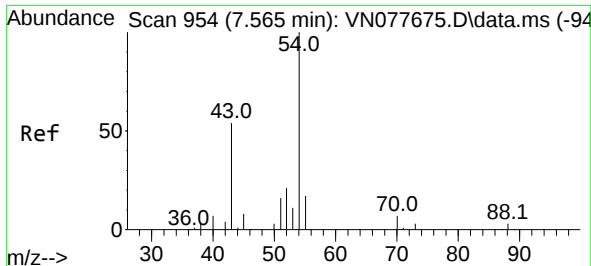
Tgt Ion:114 Resp: 687099
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.649 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

Tgt Ion:113 Resp: 222452
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 17.1 12.7 19.1





#37

Ethyl Acetate

Concen: 9.477 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077947.D

Acq: 27 May 2023 01:15

Instrument :

MSVOA_N

ClientSampleId :

PNNL-RH-524-1

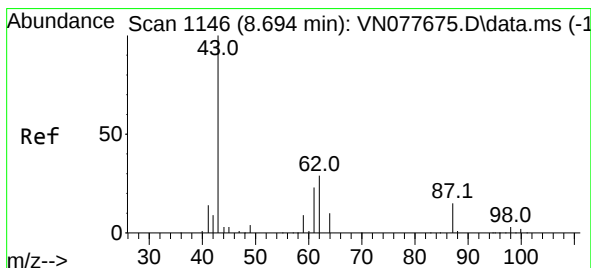
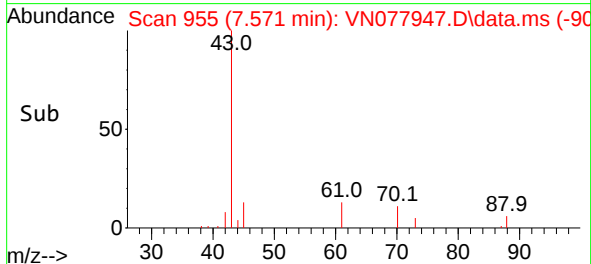
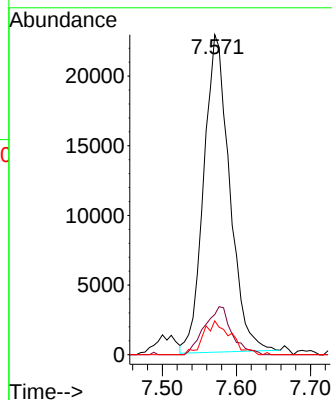
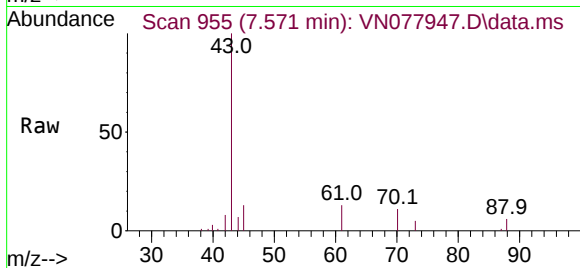
Tgt Ion: 43 Resp: 55359

Ion Ratio Lower Upper

43 100

61 15.9 13.2 19.8

70 11.2 11.3 16.9#



#43

Isopropyl Acetate

Concen: 31.709 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN077947.D

Acq: 27 May 2023 01:15

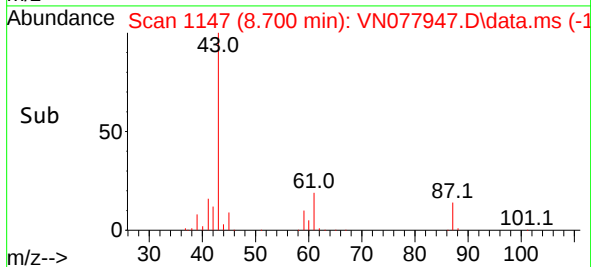
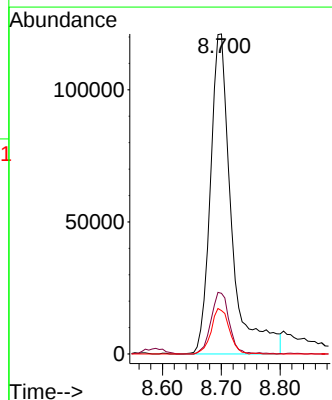
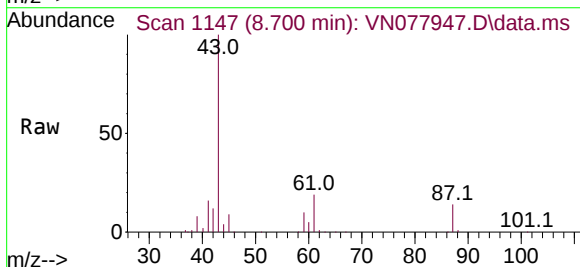
Tgt Ion: 43 Resp: 302532

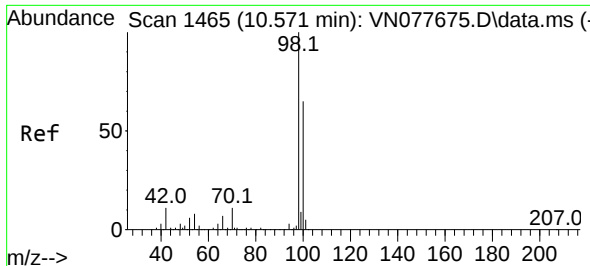
Ion Ratio Lower Upper

43 100

61 16.4 24.7 37.1#

87 12.1 14.6 21.8#

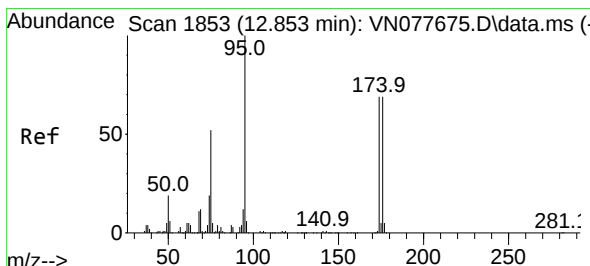
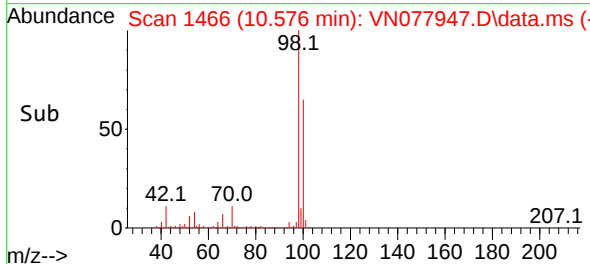
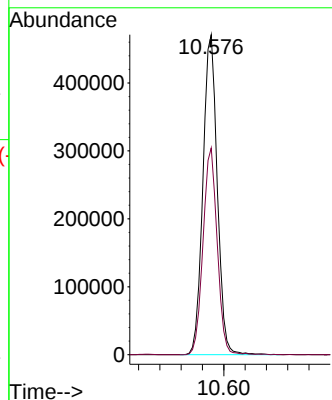
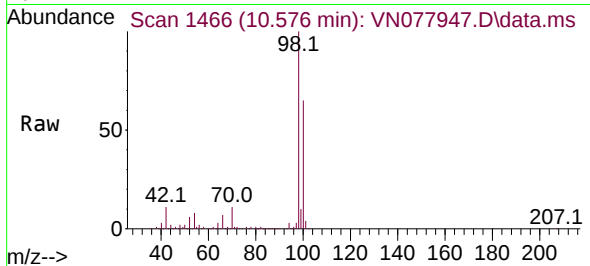




#50
Toluene-d8
Concen: 50.898 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

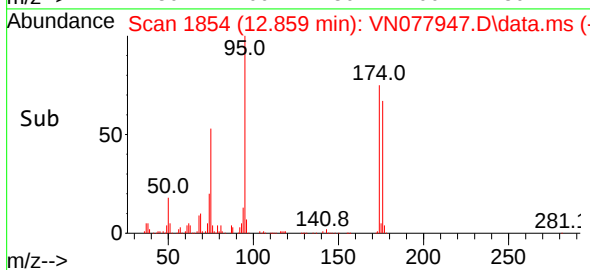
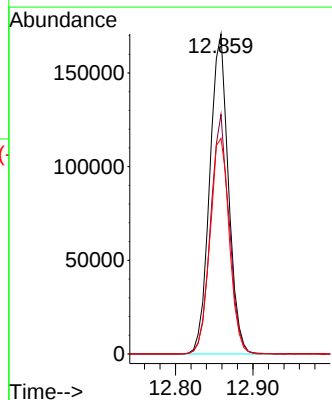
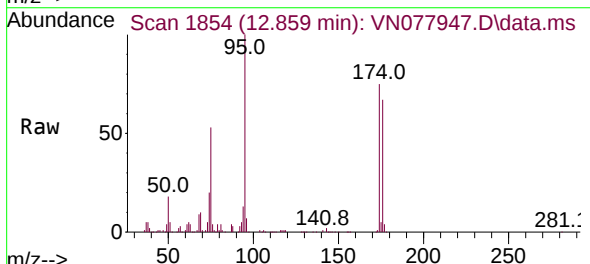
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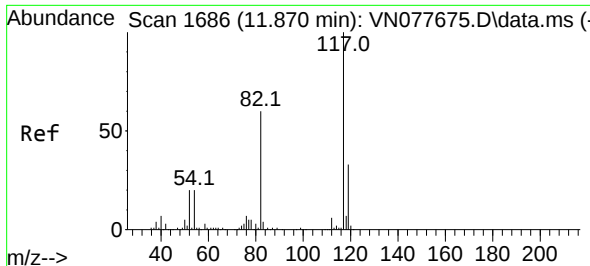
Tgt Ion: 98 Resp: 877778
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.909 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

Tgt Ion: 95 Resp: 285713
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 69.8 0.0 135.8

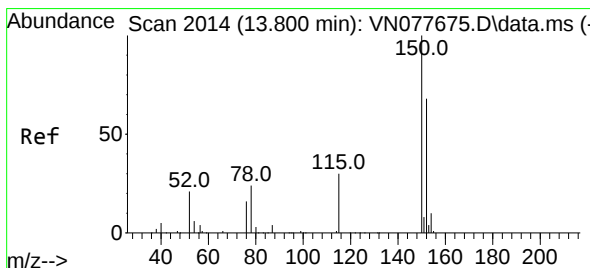
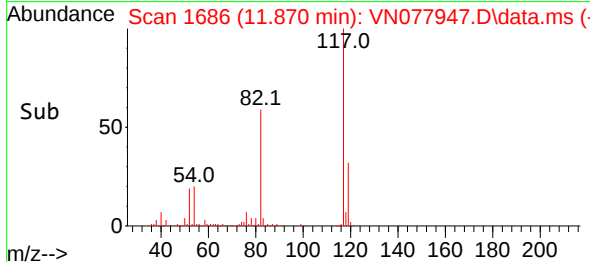
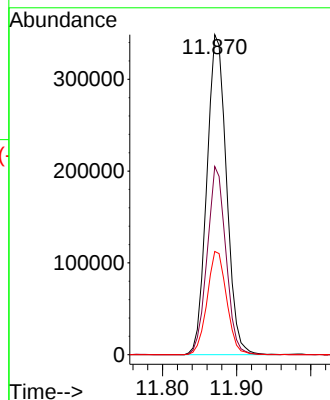
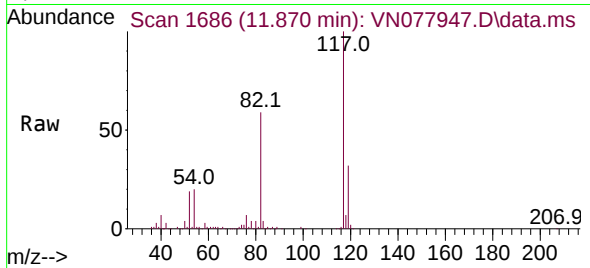




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN077947.D
Acq: 27 May 2023 01:15

Instrument :
MSVOA_N
ClientSampleId :
PNNL-RH-524-1

Tgt Ion:117 Resp: 641093
Ion Ratio Lower Upper
117 100
82 58.8 44.0 66.0
119 32.2 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: VN077947.D
Acq: 27 May 2023 01:15

Tgt Ion:152 Resp: 196066
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 156.6 0.0 355.8

