

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015144.D
 Acq On : 16 Aug 2023 12:56
 Operator : SY/MD
 Sample : 03985-01
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM2-0811-1

Quant Time: Aug 17 05:29:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

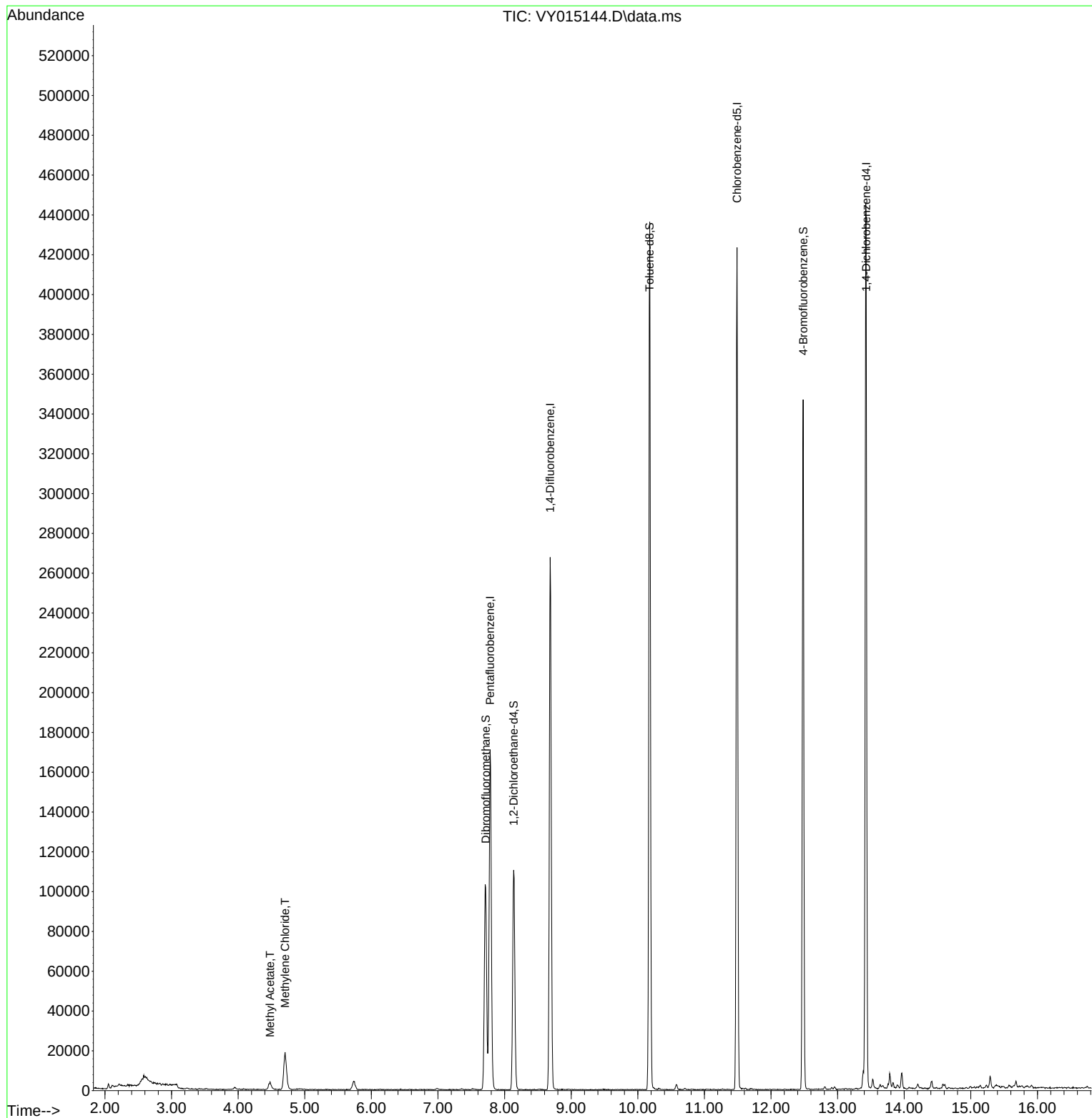
Internal Standards						
1) Pentafluorobenzene	7.783	168	133867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	233282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88403	55.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.020%
35) Dibromofluoromethane	7.716	113	73469	48.954	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.900%
50) Toluene-d8	10.179	98	276578	49.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.483	95	103362	50.654	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.300%
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.479	43	6855	3.563	ug/l	92
20) Methylene Chloride	4.704	84	13542	7.048	ug/l	92

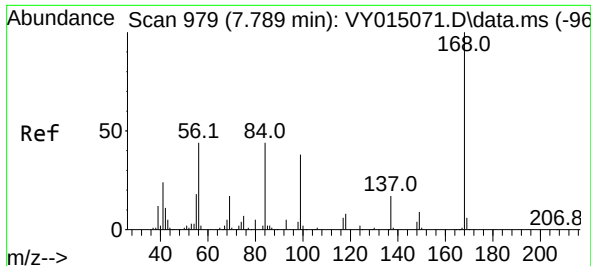
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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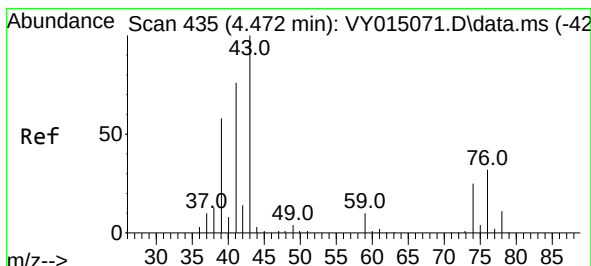
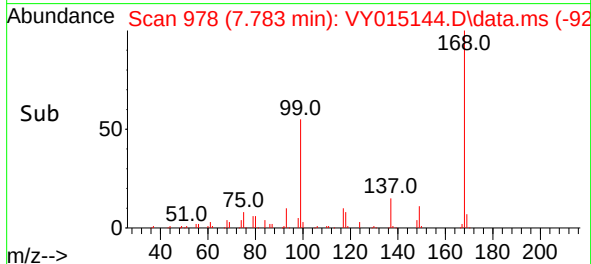
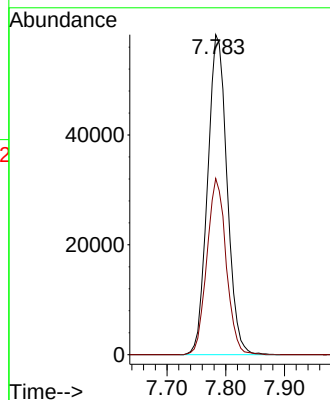
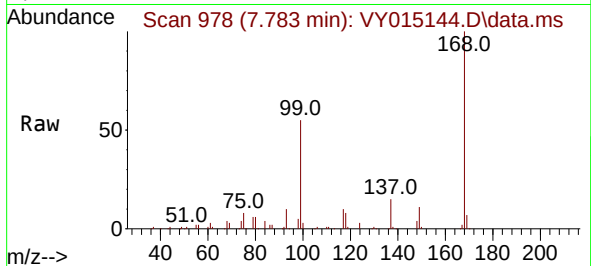




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

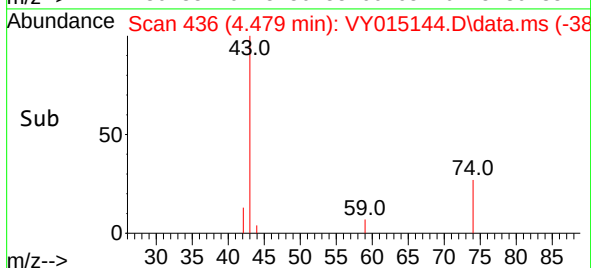
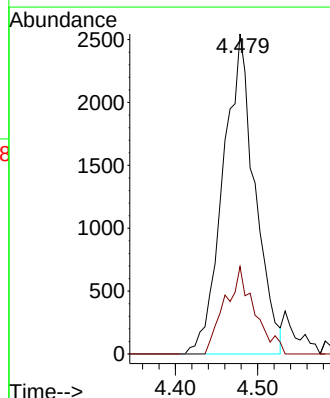
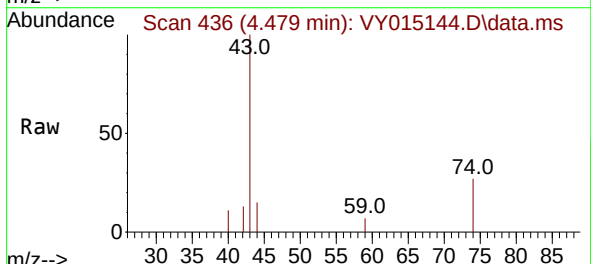
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM2-0811-1

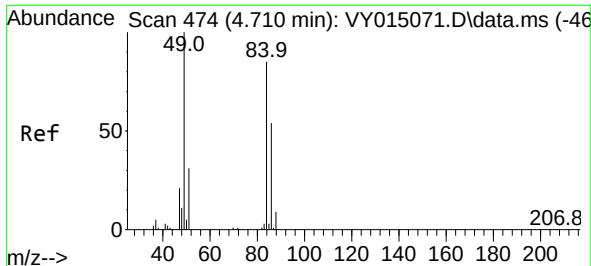
Tgt Ion:168 Resp: 133867
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#18
Methyl Acetate
Concen: 3.563 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion: 43 Resp: 6855
Ion Ratio Lower Upper
43 100
74 25.5 17.4 26.0

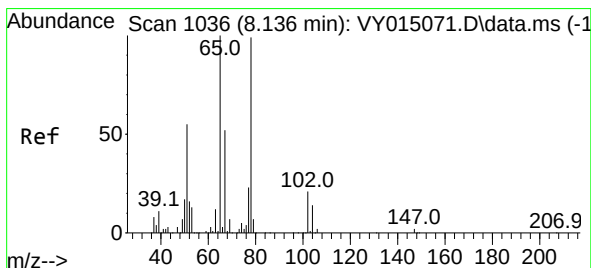
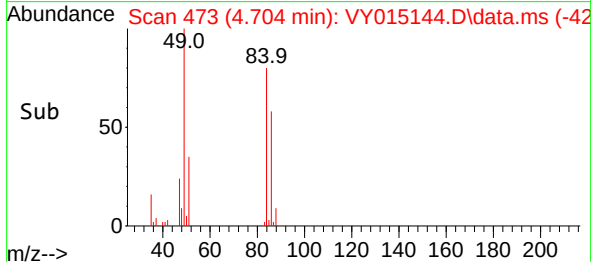
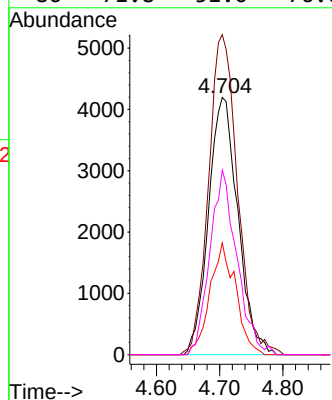
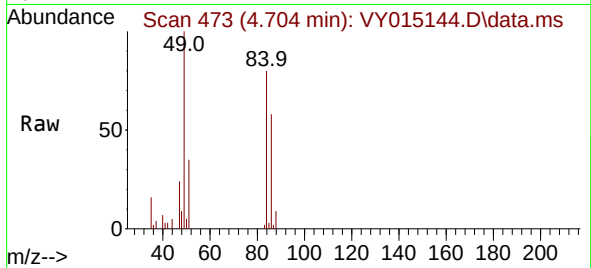




#20
Methylene Chloride
Concen: 7.048 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

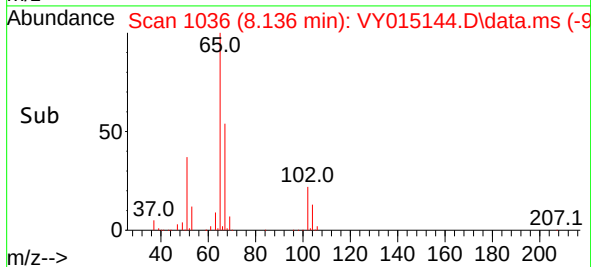
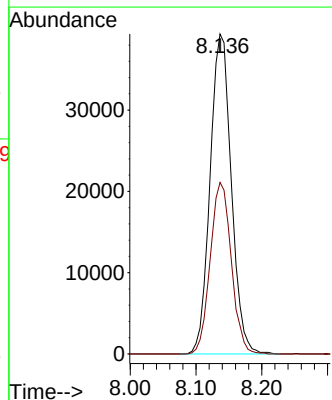
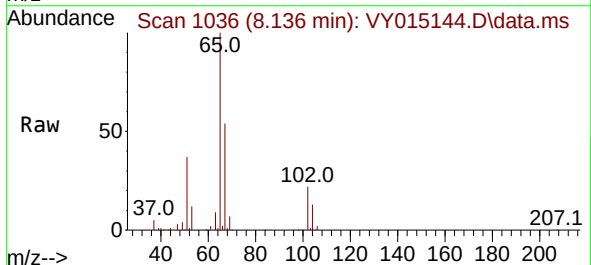
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM2-0811-1

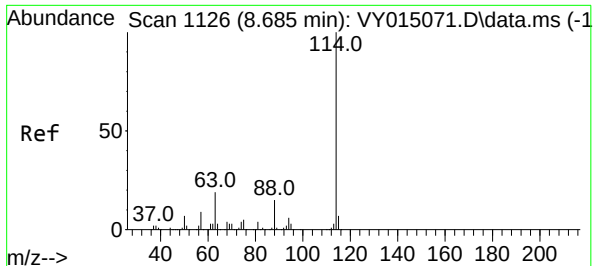
Tgt Ion:	84	Resp:	13542
Ion	Ratio	Lower	Upper
84	100		
49	124.5	106.9	160.3
51	43.5	33.2	49.8
86	71.8	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 55.013 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion:	65	Resp:	88403
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015144.D

Acq: 16 Aug 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM2-0811-1

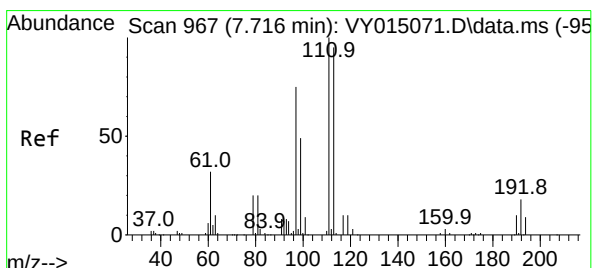
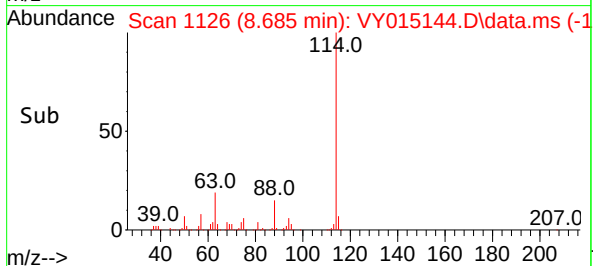
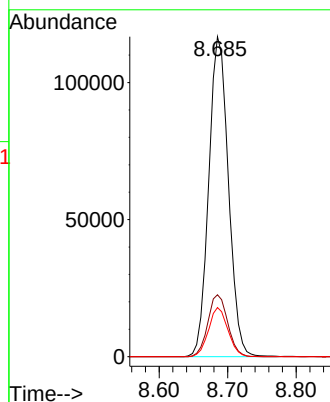
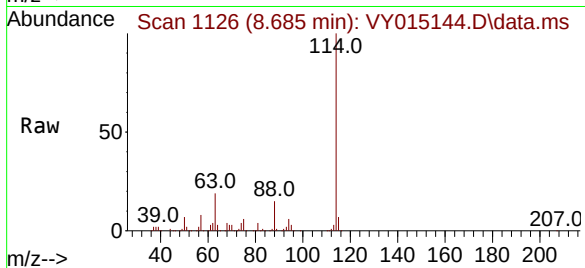
Tgt Ion:114 Resp: 233282

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.954 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015144.D

Acq: 16 Aug 2023 12:56

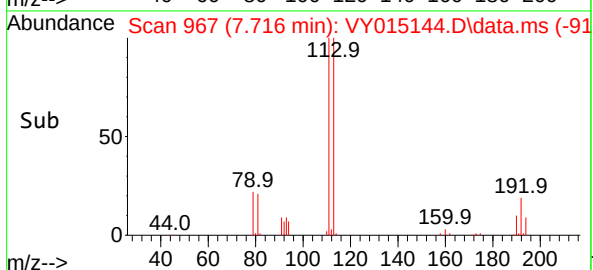
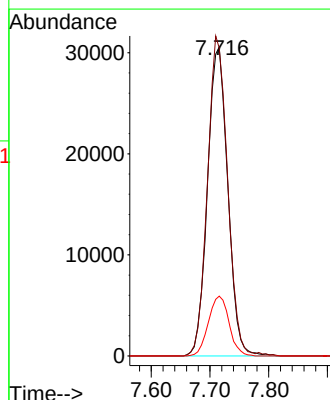
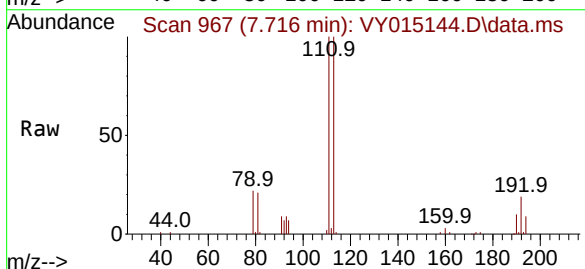
Tgt Ion:113 Resp: 73469

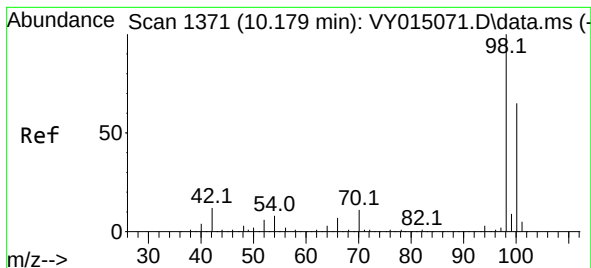
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 19.7 16.9 25.3

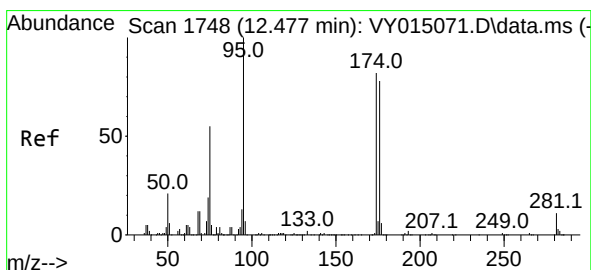
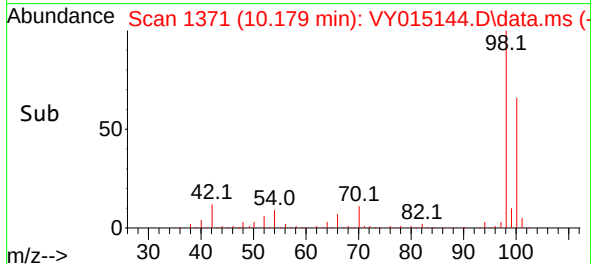
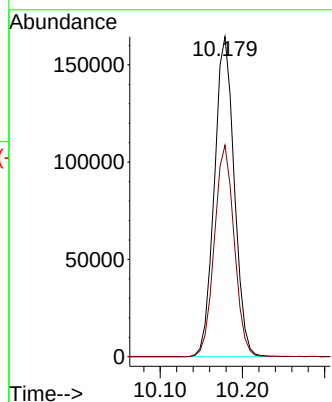
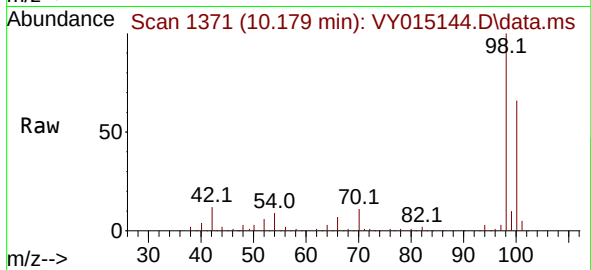




#50
Toluene-d8
Concen: 49.506 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

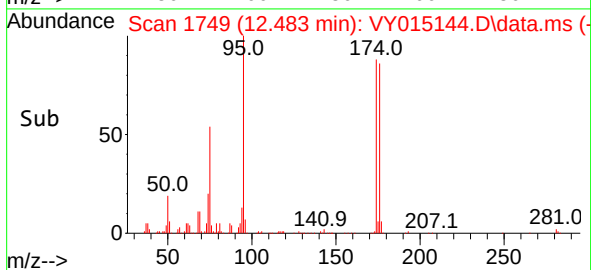
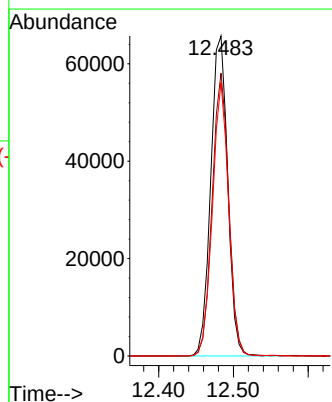
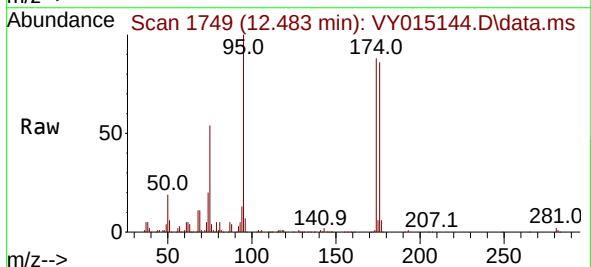
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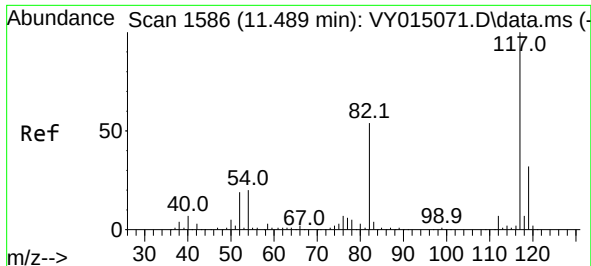
Tgt Ion: 98 Resp: 276578
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.654 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion: 95 Resp: 103362
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 82.1 0.0 173.8

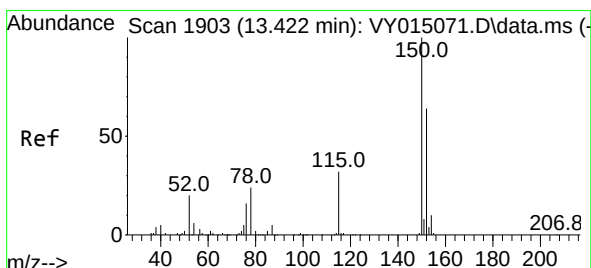
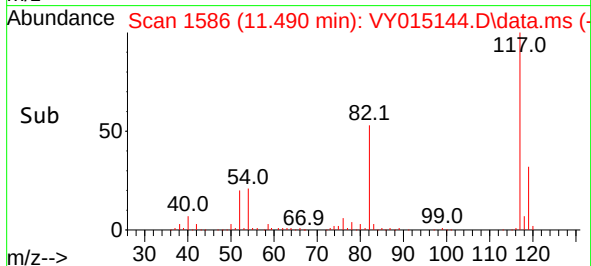
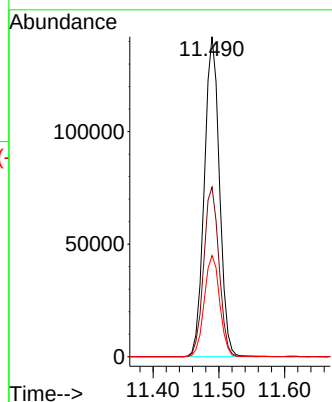
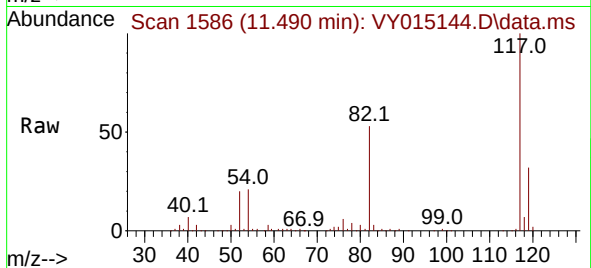




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM2-0811-1

Tgt Ion:117 Resp: 227487
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion:152 Resp: 113655
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 158.3 0.0 348.8

