

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015143.D
 Acq On : 16 Aug 2023 12:32
 Operator : SY/MD
 Sample : 03985-03
 Misc : 6.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM2-0811-2

Quant Time: Aug 17 05:28:53 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)

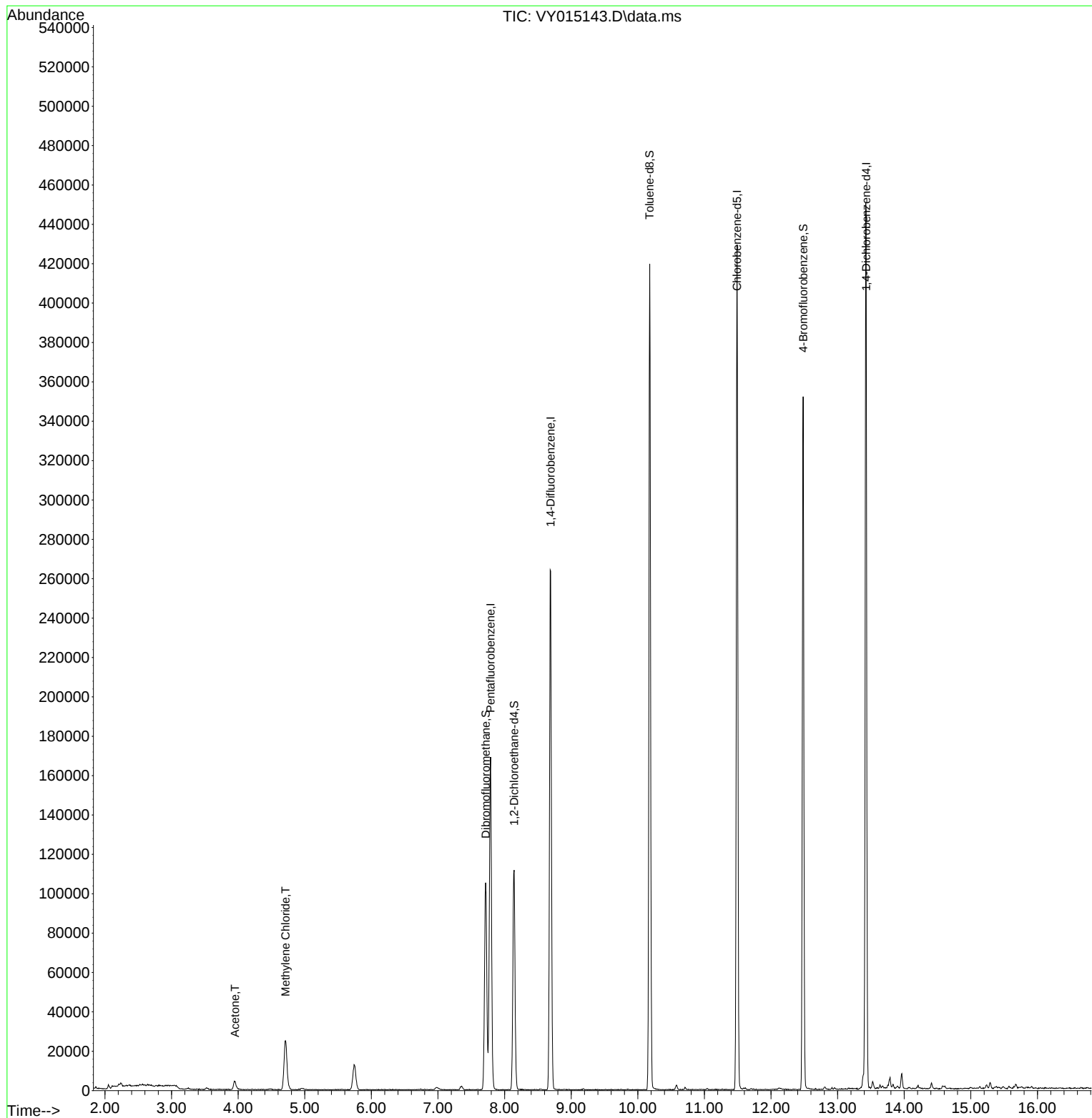
Internal Standards						
1) Pentafluorobenzene	7.789	168	131323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88542	56.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.340%
35) Dibromofluoromethane	7.716	113	74037	49.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.179	98	274543	49.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.483	95	104395	51.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.700%
Target Compounds						
16) Acetone	3.954	43	7761	15.070	ug/l	91
20) Methylene Chloride	4.710	84	18830	11.963	ug/l	89

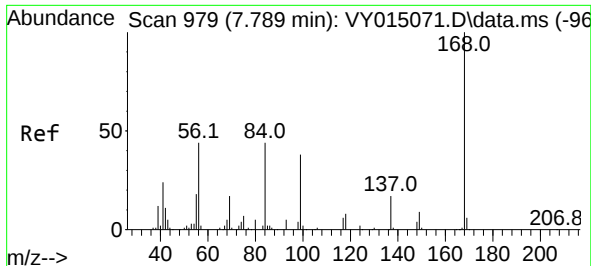
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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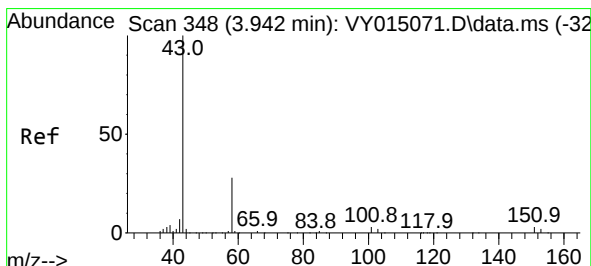
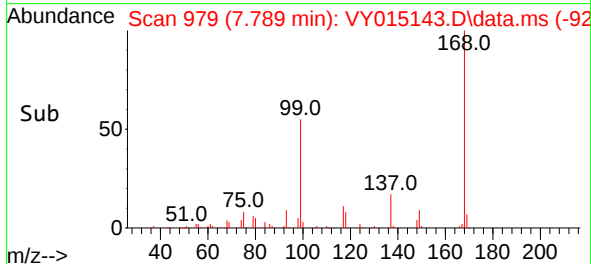
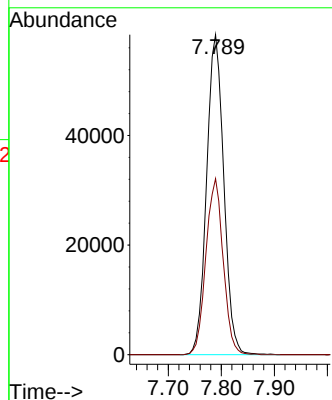
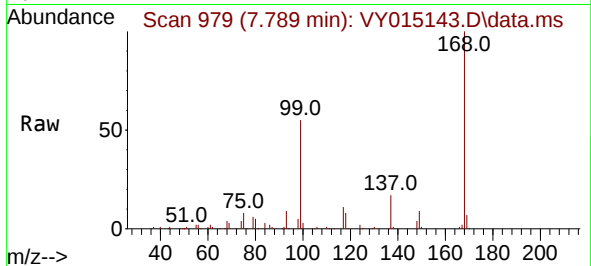




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

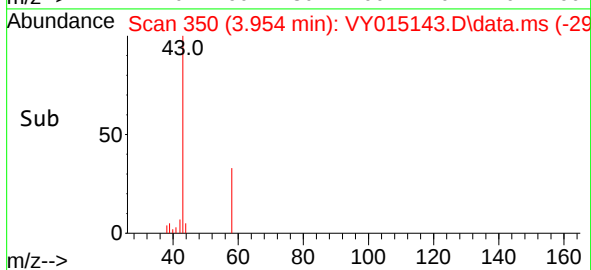
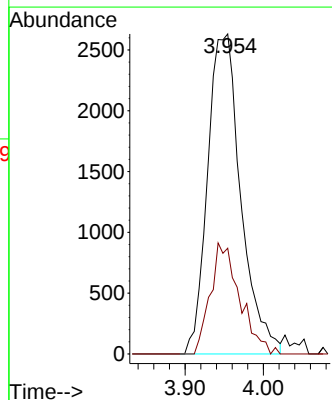
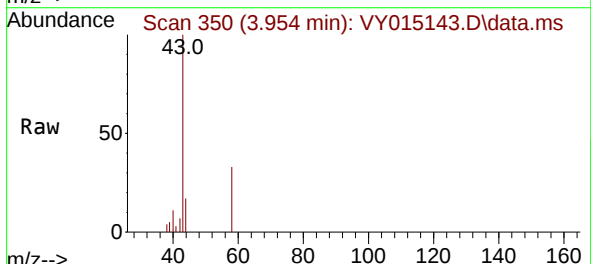
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM2-0811-2

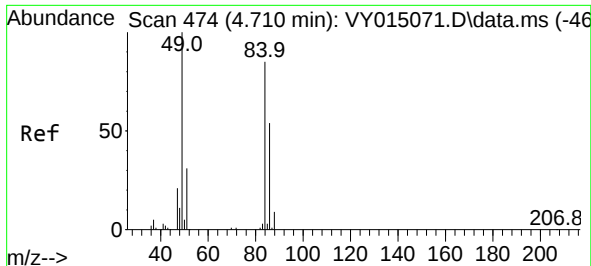
Tgt Ion:168 Resp: 131323
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#16
Acetone
Concen: 15.070 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 43 Resp: 7761
Ion Ratio Lower Upper
43 100
58 33.1 22.7 34.1



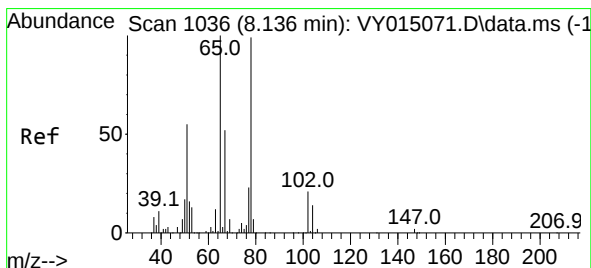
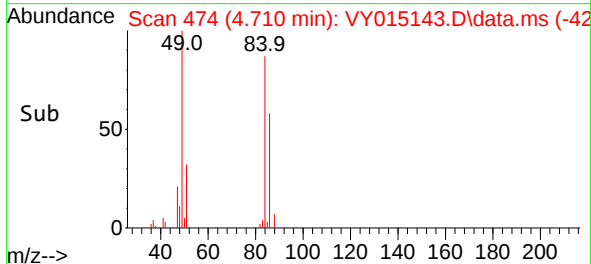
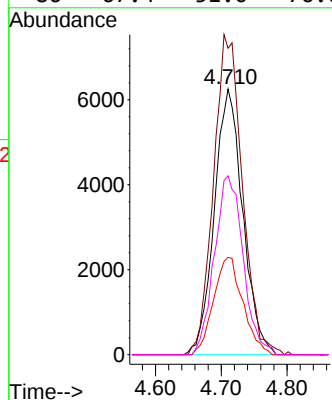
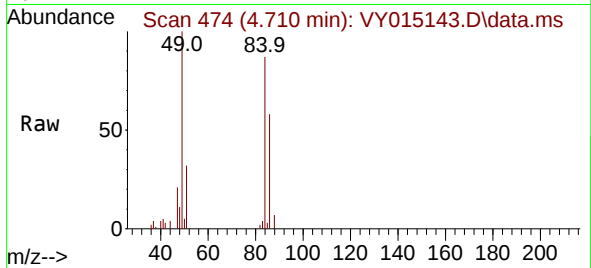


#20
Methylene Chloride
Concen: 11.963 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM2-0811-2

Tgt Ion: 84 Resp: 18830

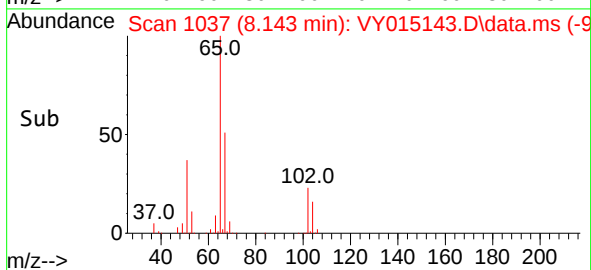
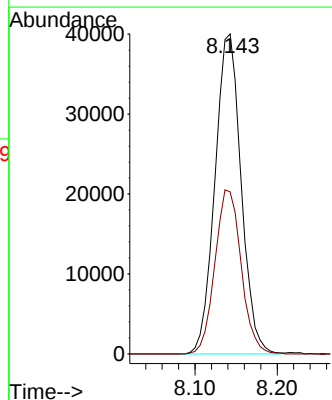
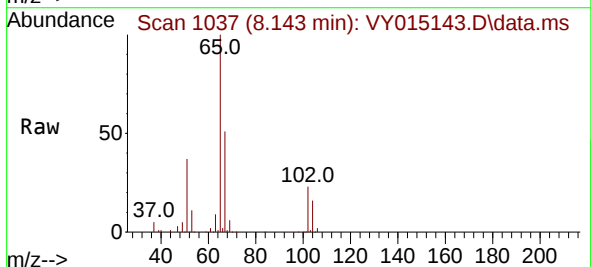
Ion	Ratio	Lower	Upper
84	100		
49	115.3	106.9	160.3
51	36.6	33.2	49.8
86	67.4	51.0	76.6

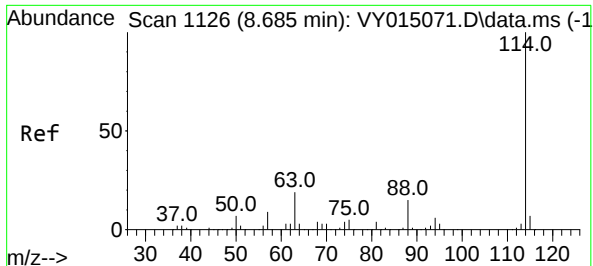


#33
1,2-Dichloroethane-d4
Concen: 56.167 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 65 Resp: 88542

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM2-0811-2

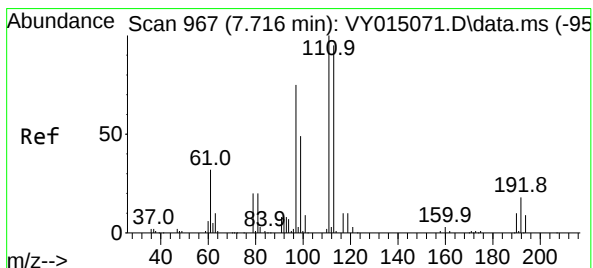
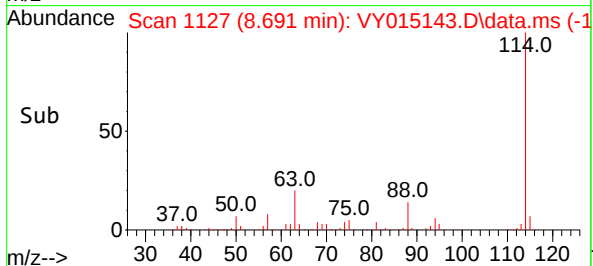
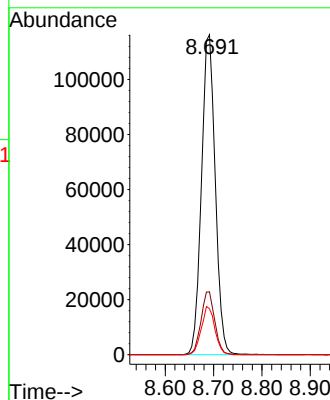
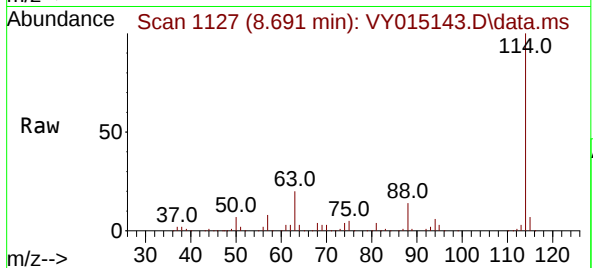
Tgt Ion:114 Resp: 230173

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.999 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

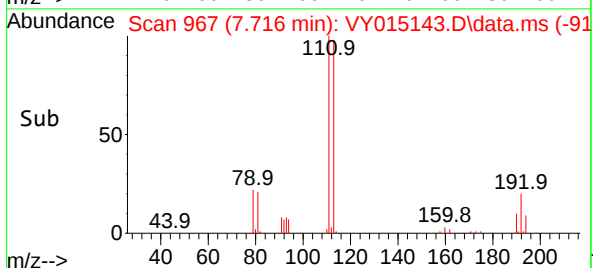
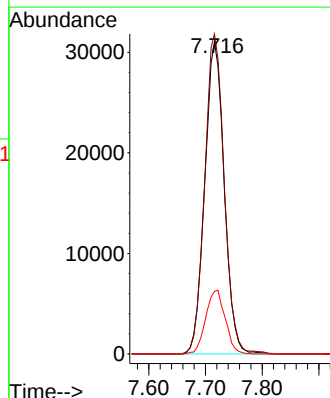
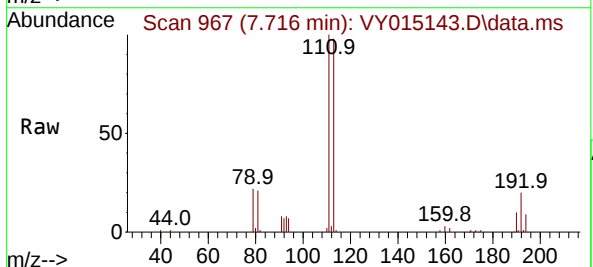
Tgt Ion:113 Resp: 74037

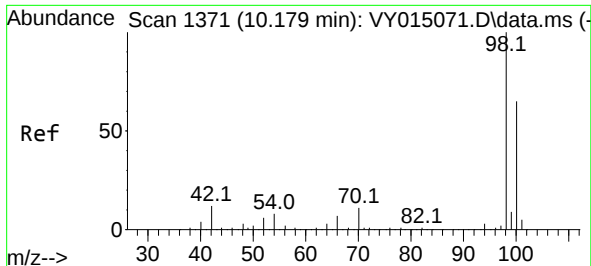
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 20.4 16.9 25.3

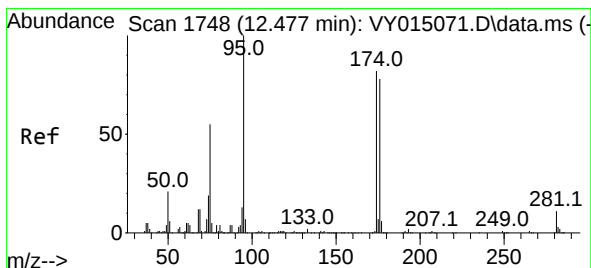
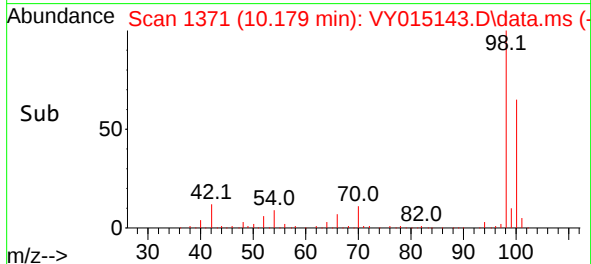
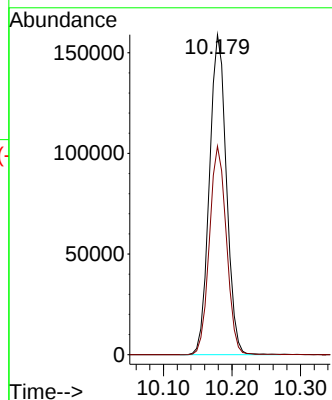
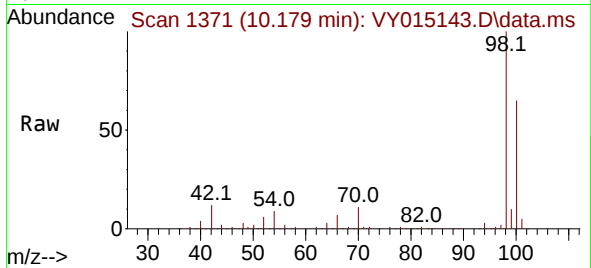




#50
Toluene-d8
Concen: 49.805 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

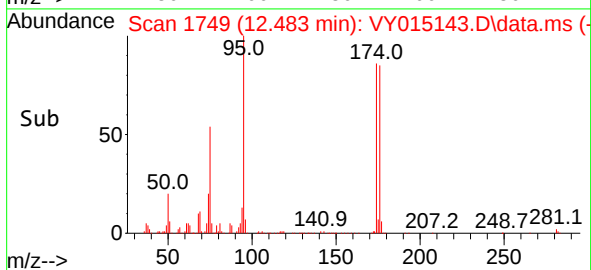
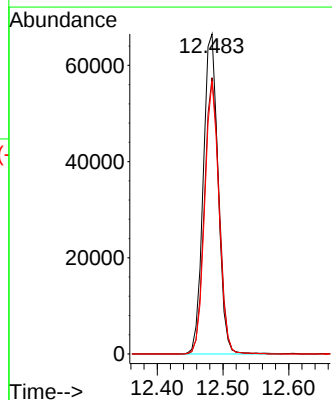
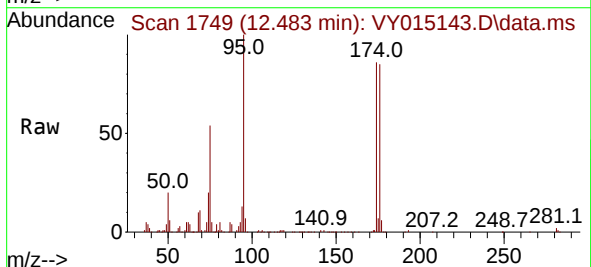
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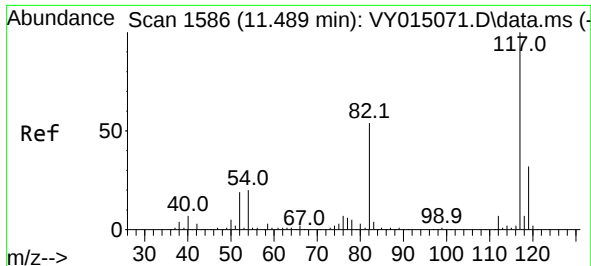
Tgt Ion: 98 Resp: 274543
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.851 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 95 Resp: 104395
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 82.3 0.0 173.8

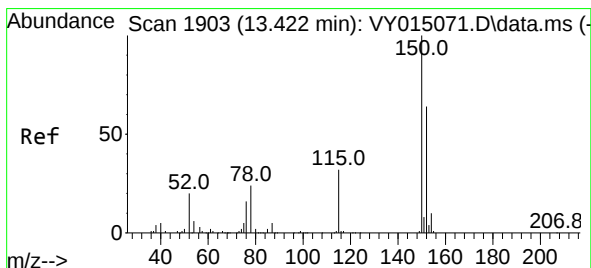
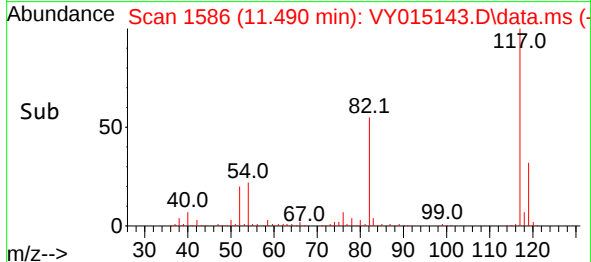
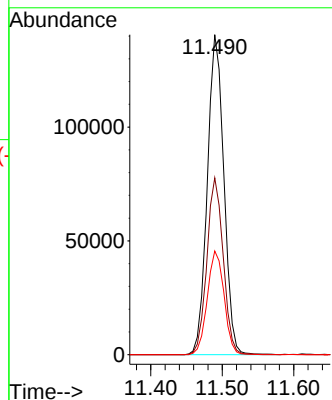
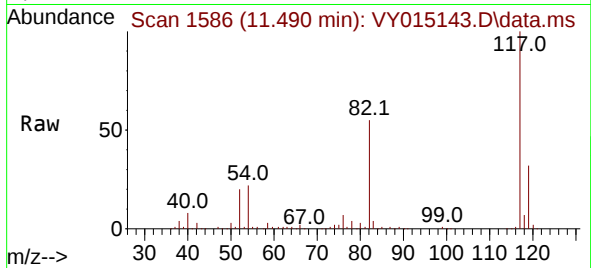




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM2-0811-2

Tgt Ion:117 Resp: 226103
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.4 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: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion:152 Resp: 115741
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 155.7 0.0 348.8

