

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015243.D
 Acq On : 22 Aug 2023 14:40
 Operator : SY/MD
 Sample : 04082-01
 Misc : 3.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 277

Quant Time: Aug 23 00:48:47 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)

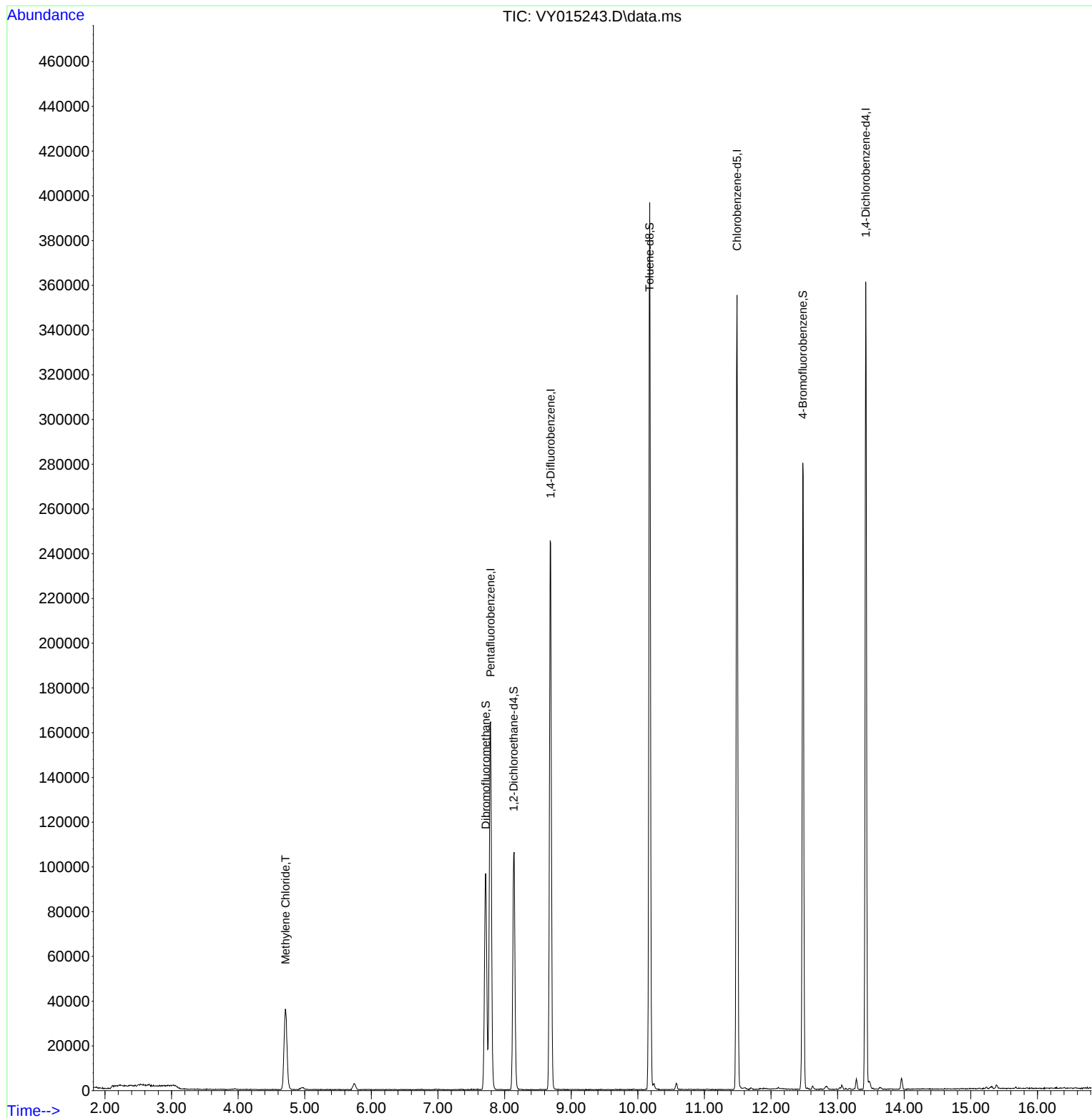
Internal Standards						
1) Pentafluorobenzene	7.789	168	130845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	193022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84574	53.846	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.716	113	68638	49.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.179	98	252392	49.151	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.477	95	82993	44.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.500%	
Target Compounds						
20) Methylene Chloride	4.710	84	27922	20.114	ug/l	Qvalue 93

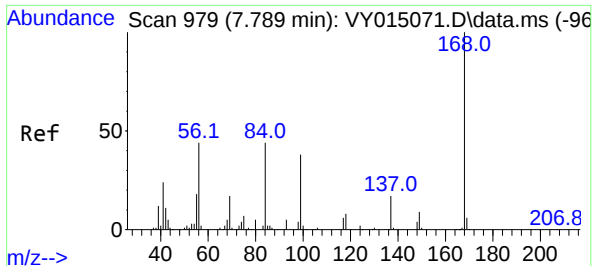
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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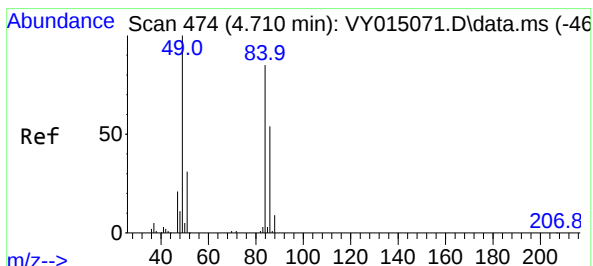
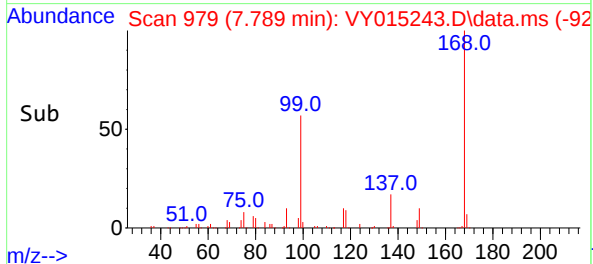
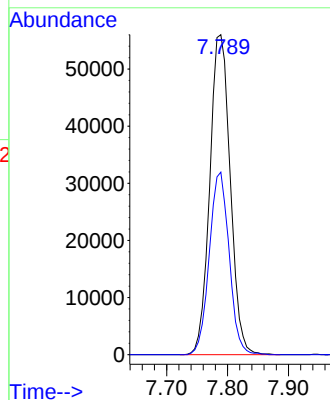
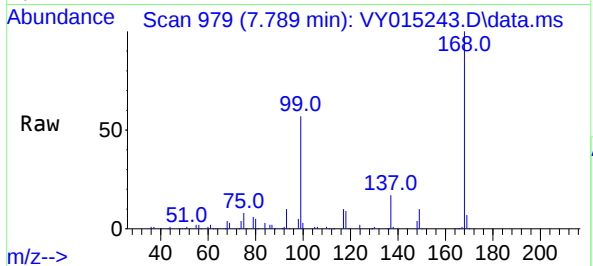




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

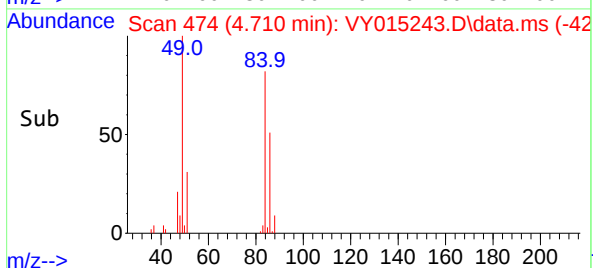
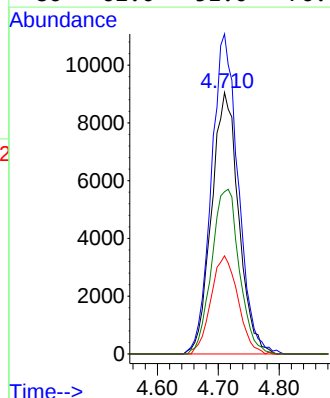
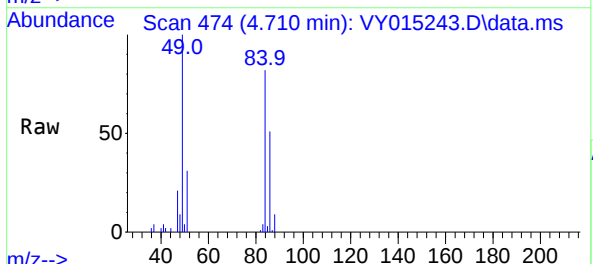
Instrument :
MSVOA_Y
ClientSampleId :
277

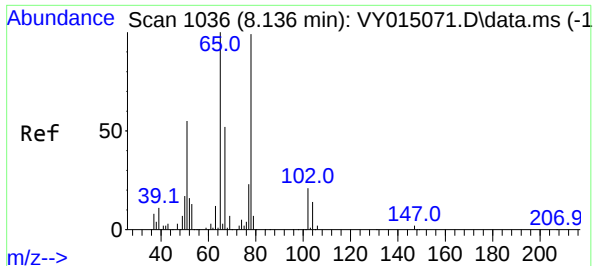
Tgt Ion:168 Resp: 130845
Ion Ratio Lower Upper
168 100
99 57.1 43.4 65.0



#20
Methylene Chloride
Concen: 20.114 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion: 84 Resp: 27922
Ion Ratio Lower Upper
84 100
49 122.4 106.9 160.3
51 37.5 33.2 49.8
86 62.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 53.846 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015243.D

Acq: 22 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

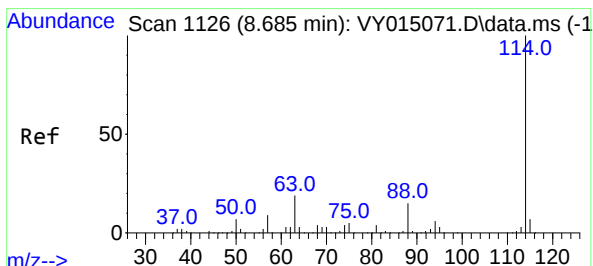
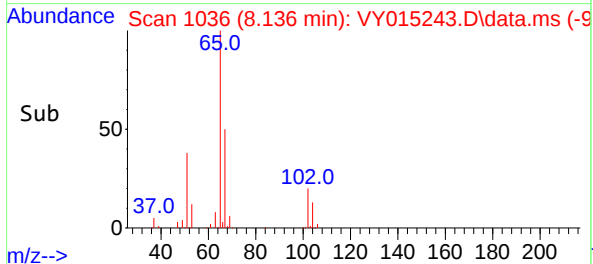
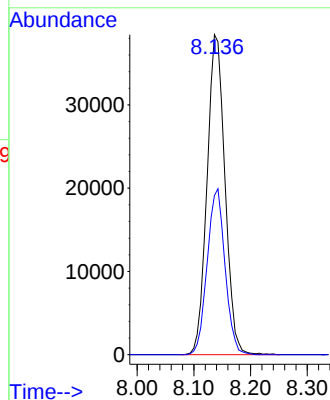
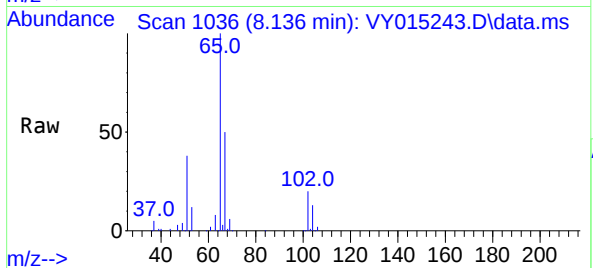
277

Tgt Ion: 65 Resp: 84574

Ion Ratio Lower Upper

65 100

67 51.5 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: VY015243.D

Acq: 22 Aug 2023 14:40

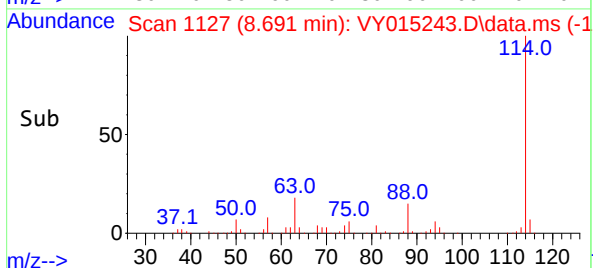
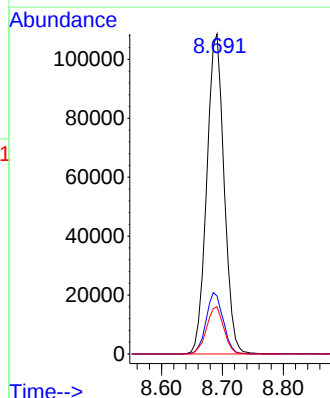
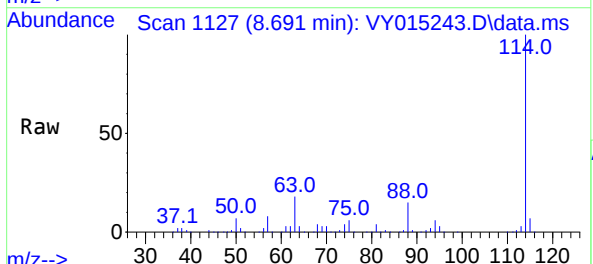
Tgt Ion: 114 Resp: 214418

Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 14.8 0.0 30.6

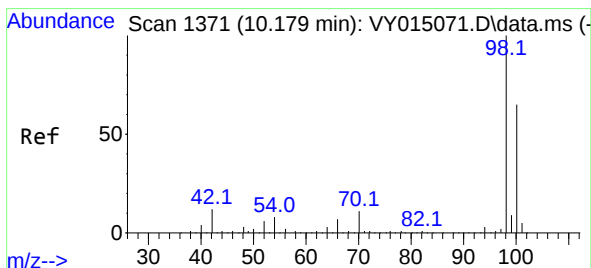
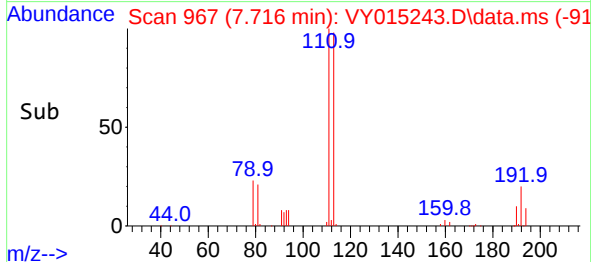
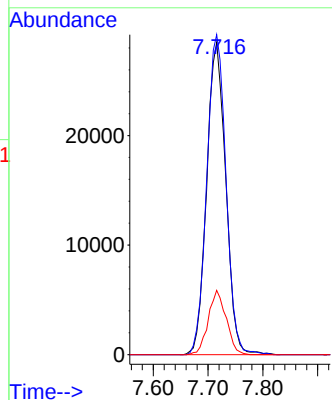
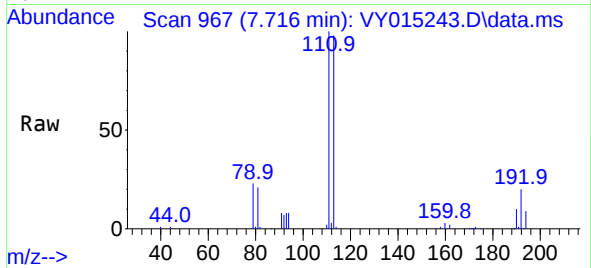




#35
Dibromofluoromethane
Concen: 49.758 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

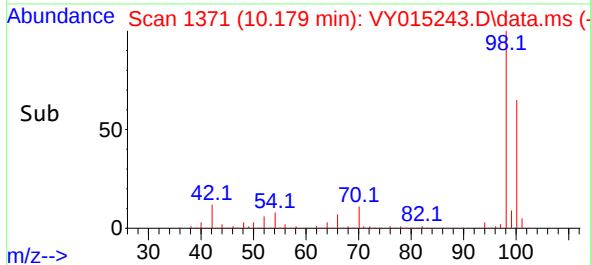
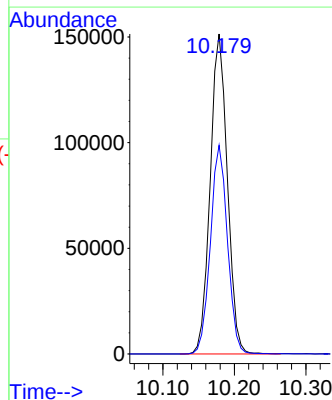
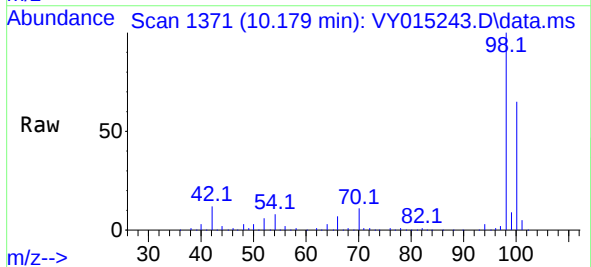
Instrument :
MSVOA_Y
ClientSampleId :
277

Tgt Ion:113 Resp: 68638
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.5 16.9 25.3



#50
Toluene-d8
Concen: 49.151 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion: 98 Resp: 252392
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

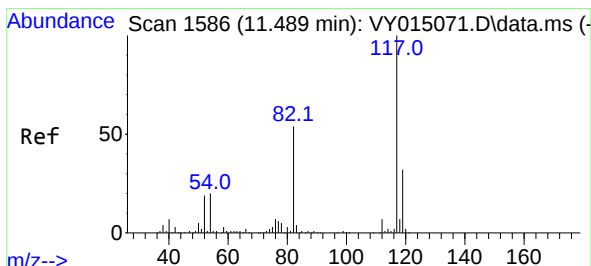
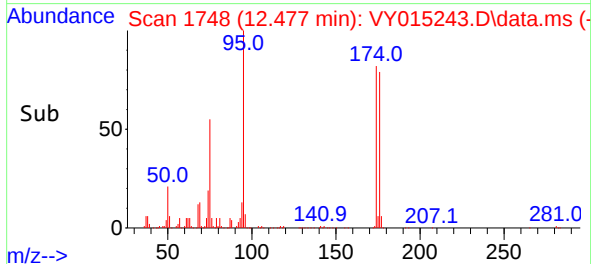
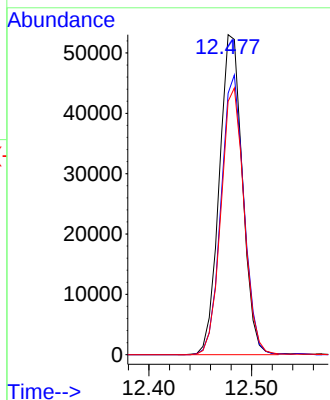
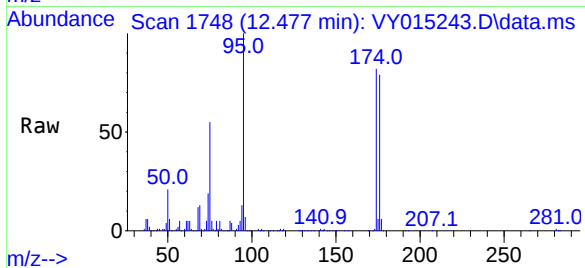




#62
4-Bromofluorobenzene
Concen: 44.250 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

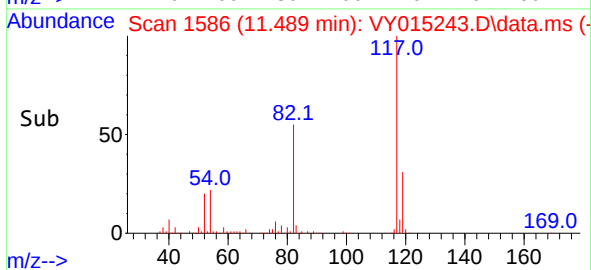
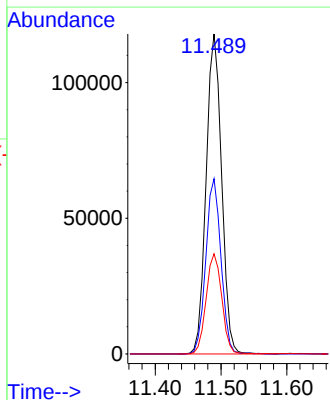
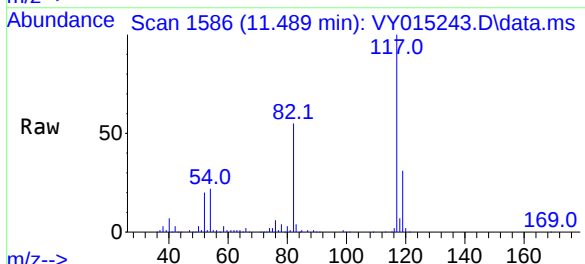
Instrument :
MSVOA_Y
ClientSampleId :
277

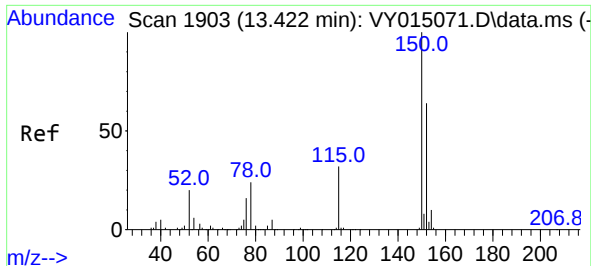
Tgt Ion:	95	Resp:	82993
Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	178.2
176	83.1	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion:	117	Resp:	193022
Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.4	65.0
119	31.3	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015243.D

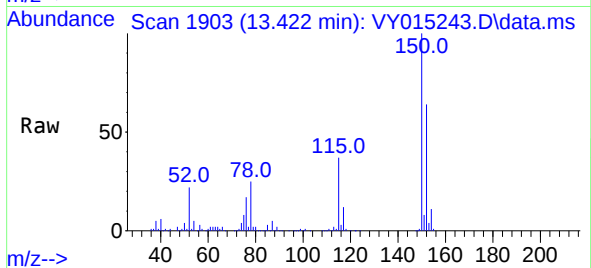
Acq: 22 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

277



Tgt Ion:152 Resp: 92759

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 155.3 0.0 348.8

