

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013782.D
 Acq On : 17 May 2023 17:37
 Operator : KP/MD
 Sample : 02812-03
 Misc : 6.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B5-18-20

Quant Time: May 18 07:16:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

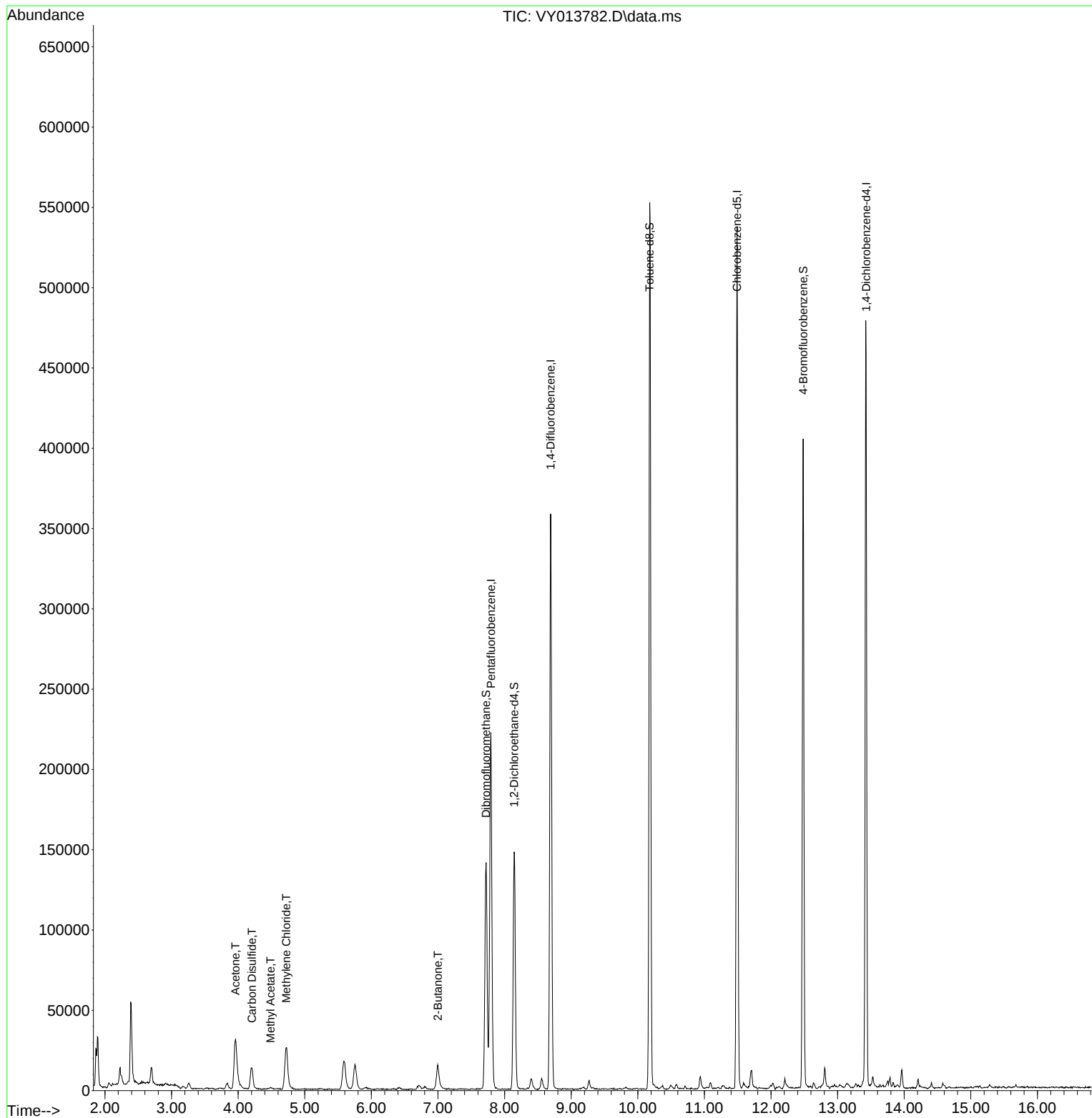
Internal Standards						
1) Pentafluorobenzene	7.795	168	166898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	274203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	117961	60.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.680%	
35) Dibromofluoromethane	7.722	113	98875	52.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.179	98	354640	50.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.483	95	114723	48.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.580%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	68127	116.468	ug/l	94
17) Carbon Disulfide	4.204	76	27776	6.902	ug/l	97
18) Methyl Acetate	4.485	43	2121	1.040	ug/l	100
20) Methylene Chloride	4.722	84	18317	4.845	ug/l	97
25) 2-Butanone	6.996	43	25299	33.271	ug/l	97

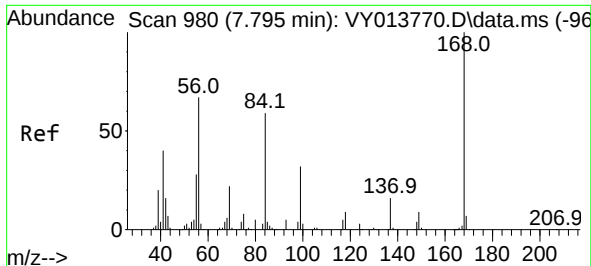
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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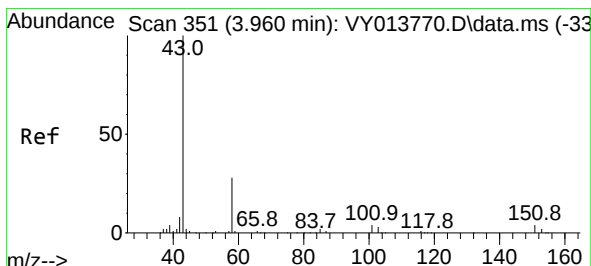
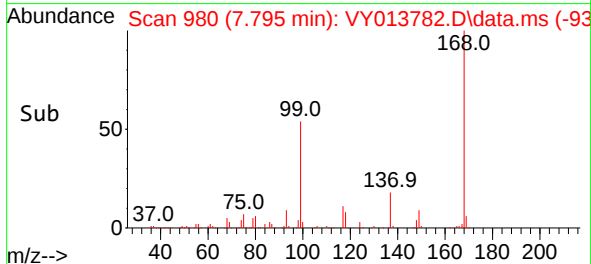
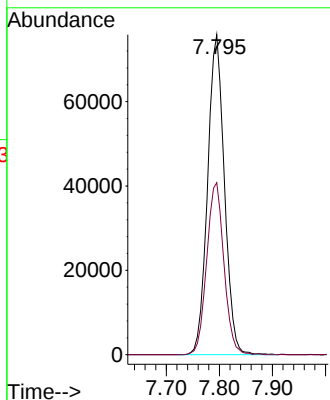
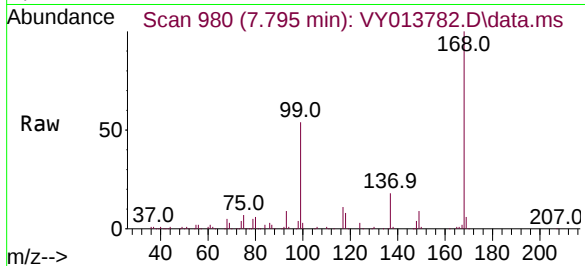




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

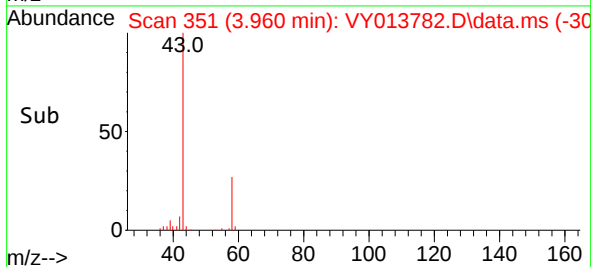
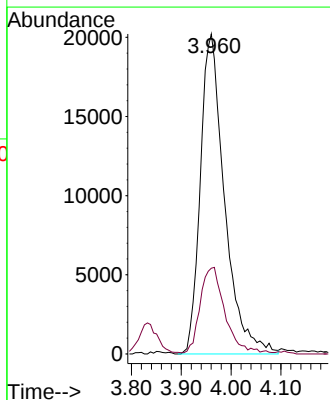
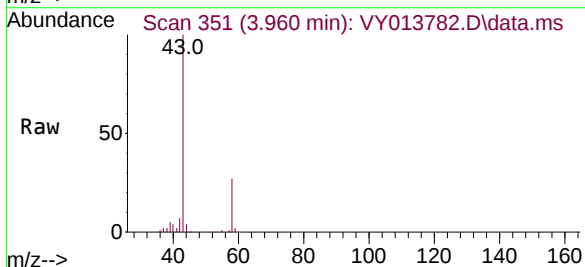
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

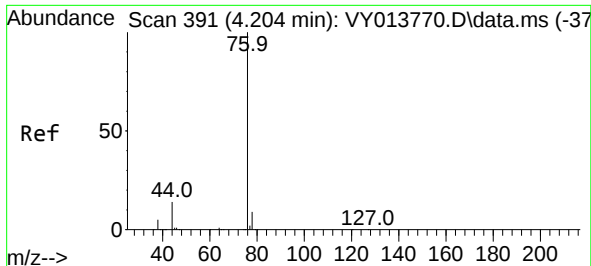
Tgt Ion:168 Resp: 166898
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#16
Acetone
Concen: 116.468 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 43 Resp: 68127
Ion Ratio Lower Upper
43 100
58 26.3 23.7 35.5

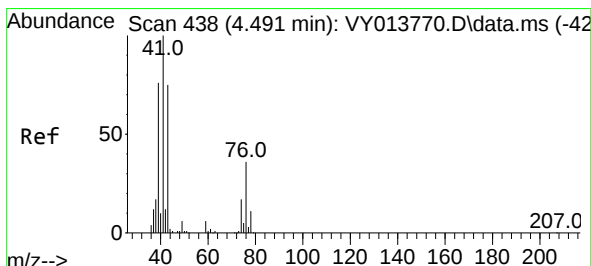
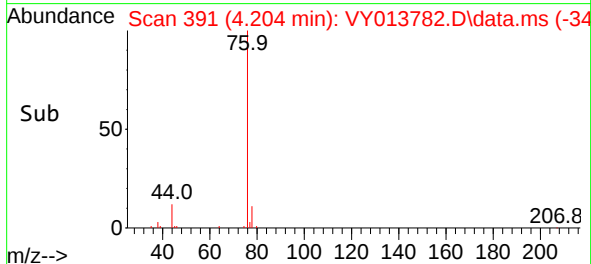
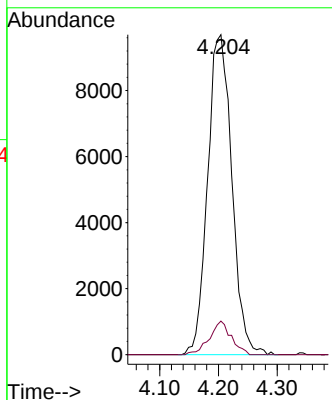
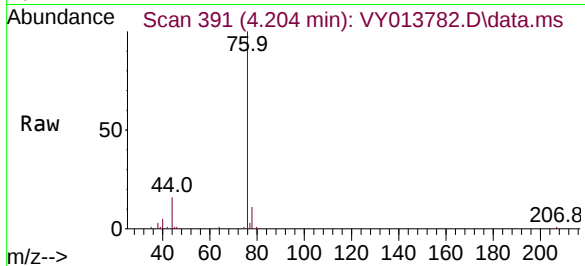




#17
Carbon Disulfide
Concen: 6.902 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

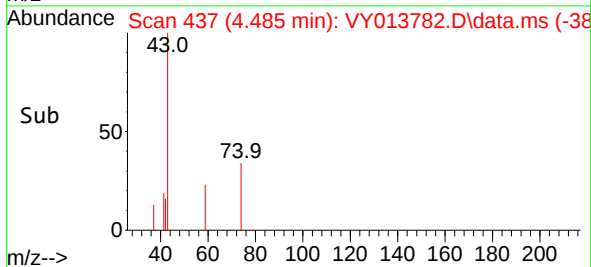
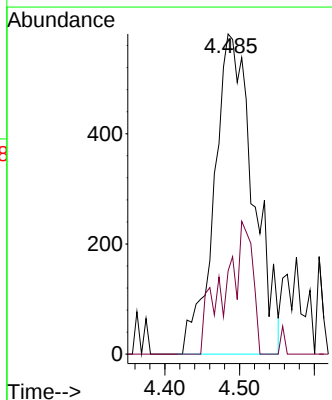
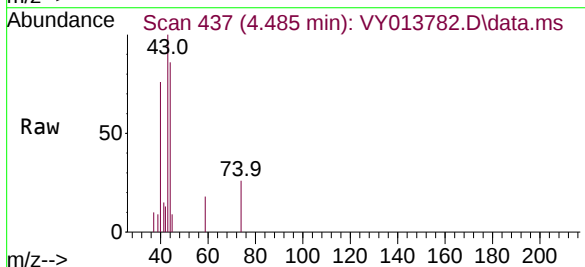
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

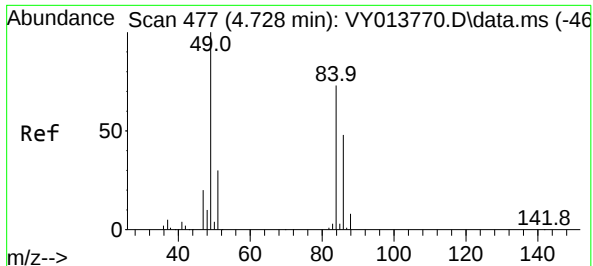
Tgt Ion: 76 Resp: 27776
Ion Ratio Lower Upper
76 100
78 10.5 7.5 11.3



#18
Methyl Acetate
Concen: 1.040 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 43 Resp: 2121
Ion Ratio Lower Upper
43 100
74 20.7 16.6 25.0

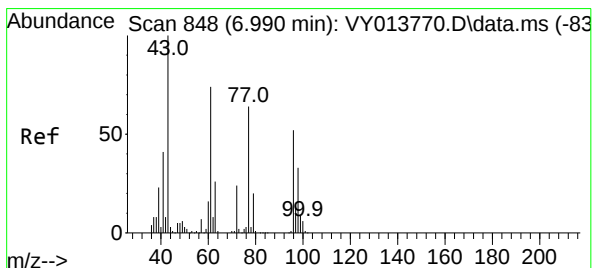
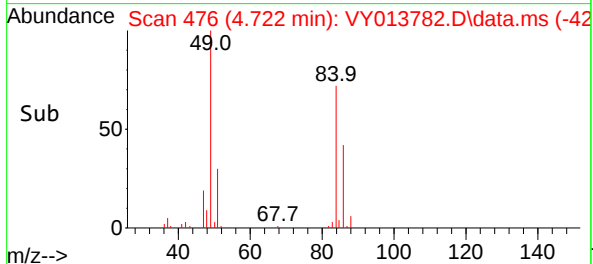
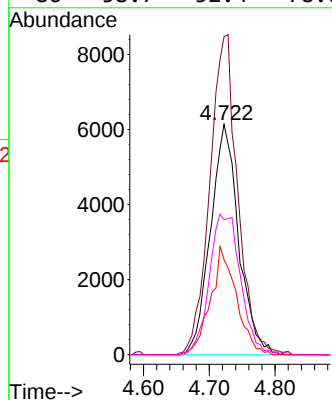
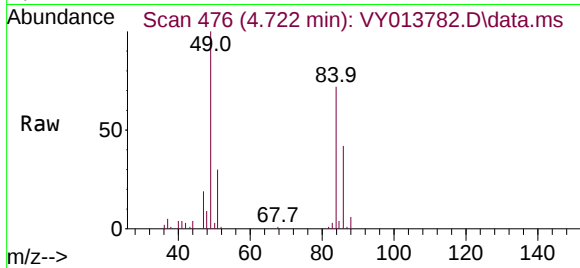




#20
Methylene Chloride
Concen: 4.845 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

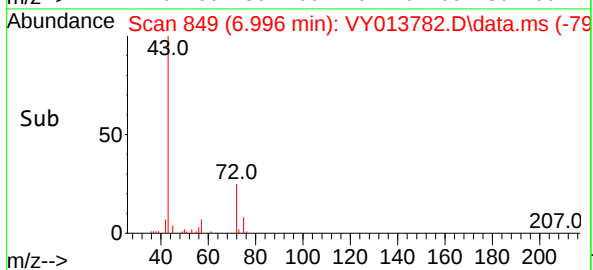
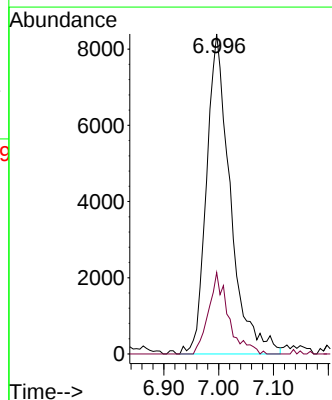
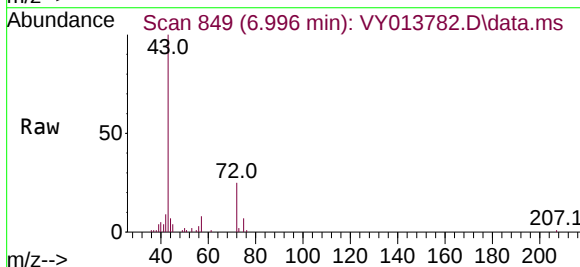
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

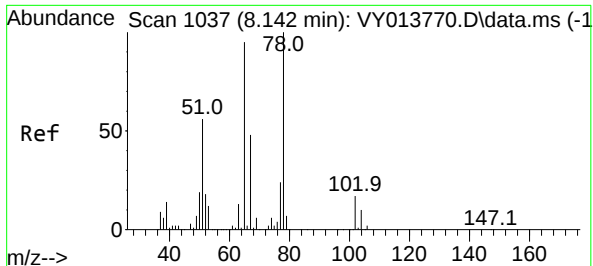
Tgt Ion:	84	Resp:	18317
Ion	Ratio	Lower	Upper
84	100		
49	138.2	109.4	164.0
51	41.3	32.8	49.2
86	58.7	52.4	78.6



#25
2-Butanone
Concen: 33.271 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion:	43	Resp:	25299
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.0	28.6





#33

1,2-Dichloroethane-d4

Concen: 60.842 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013782.D

Acq: 17 May 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

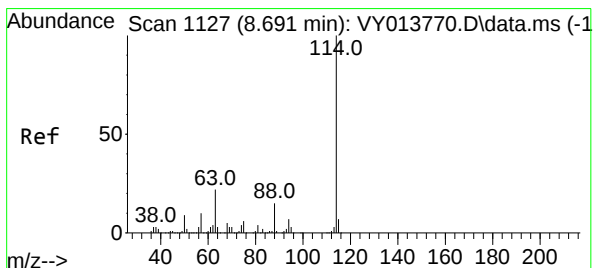
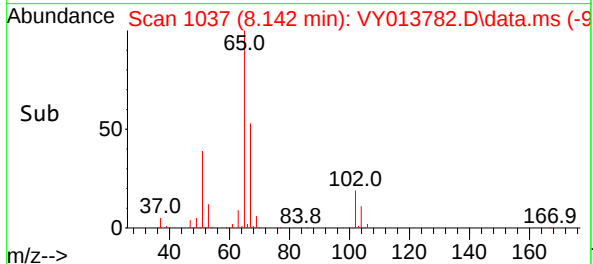
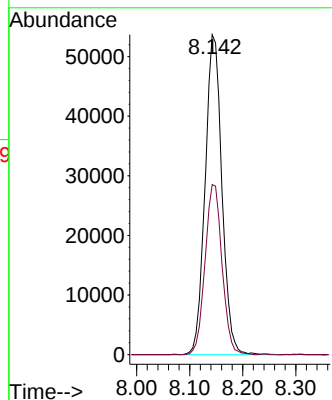
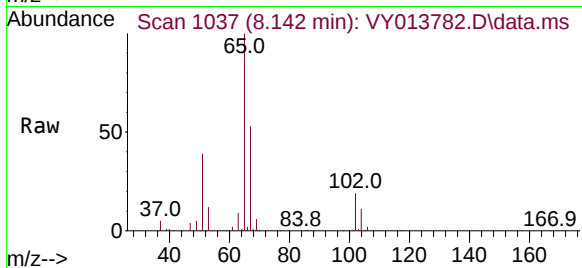
WG-0516-B5-18-20

Tgt Ion: 65 Resp: 117961

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013782.D

Acq: 17 May 2023 17:37

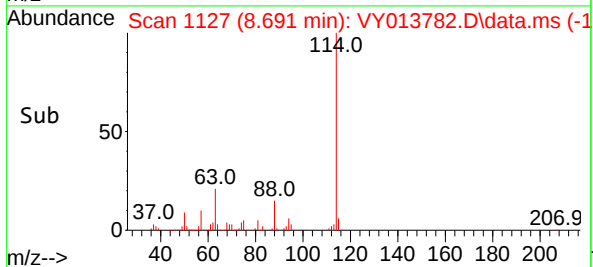
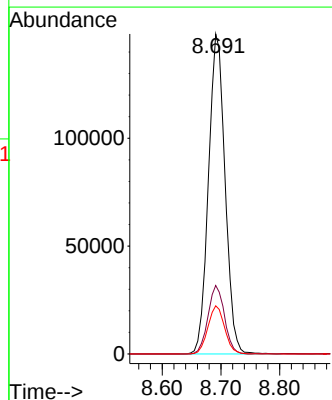
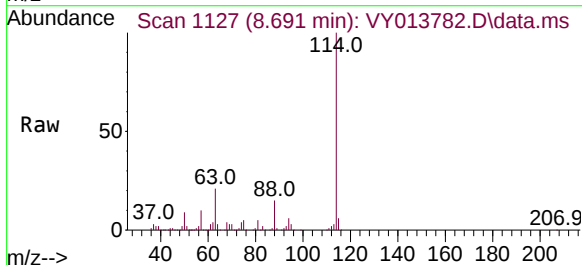
Tgt Ion: 114 Resp: 291198

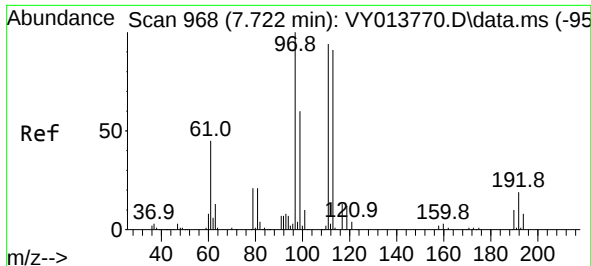
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.950 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY013782.D

Acq: 17 May 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

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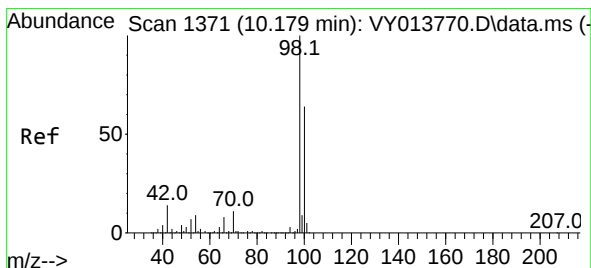
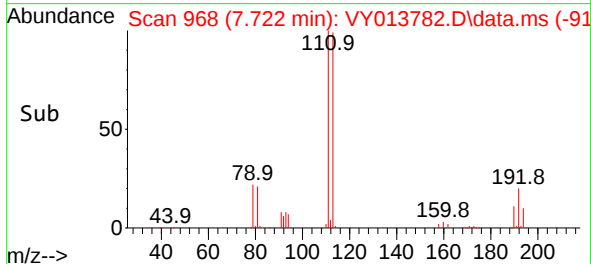
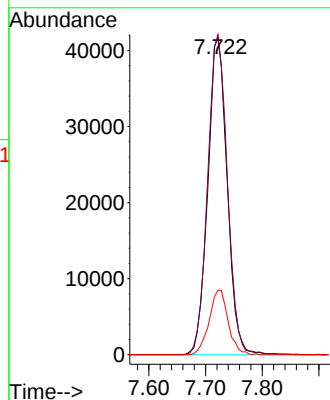
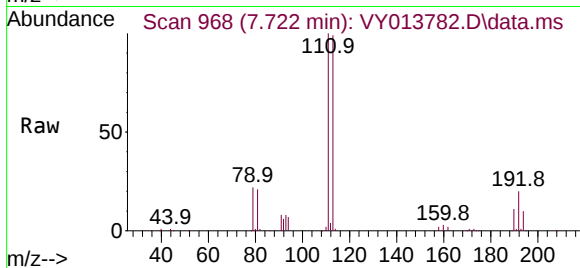
Tgt Ion:113 Resp: 98875

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 20.0 16.0 24.0



#50

Toluene-d8

Concen: 50.095 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013782.D

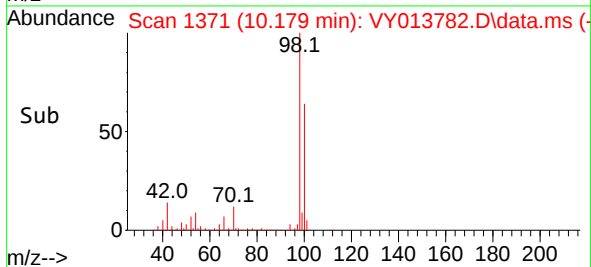
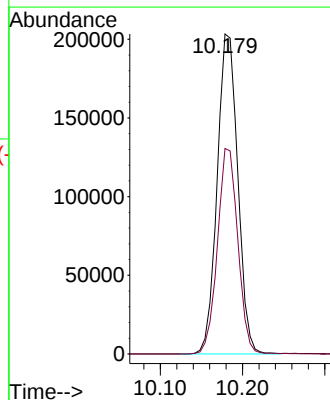
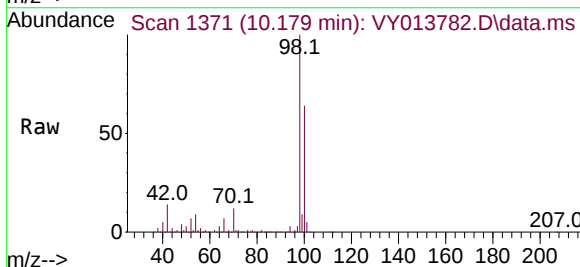
Acq: 17 May 2023 17:37

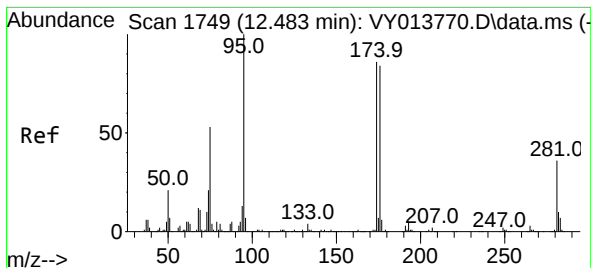
Tgt Ion: 98 Resp: 354640

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6

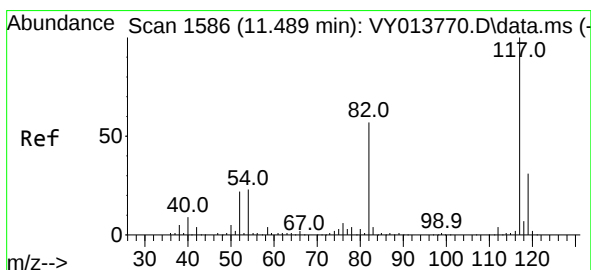
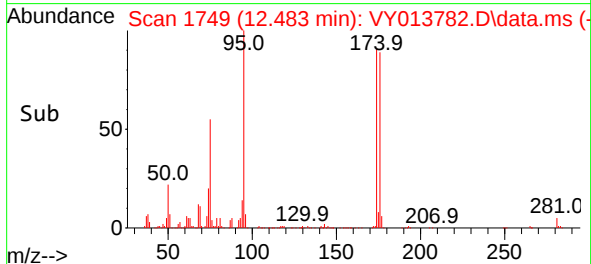
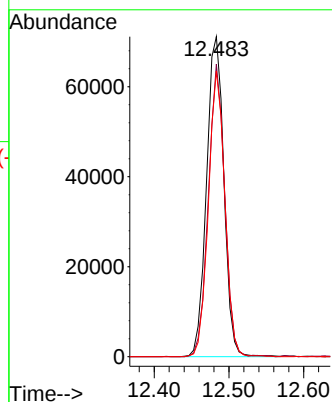
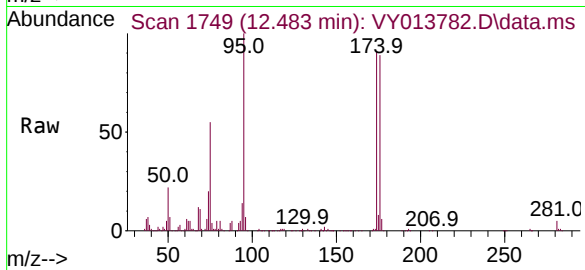




#62
4-Bromofluorobenzene
Concen: 48.789 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

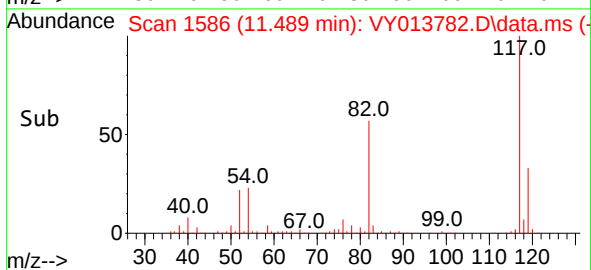
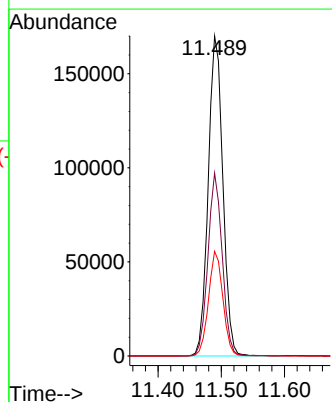
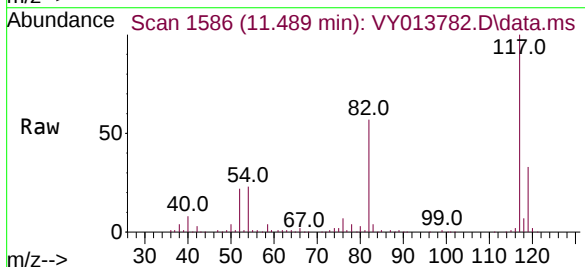
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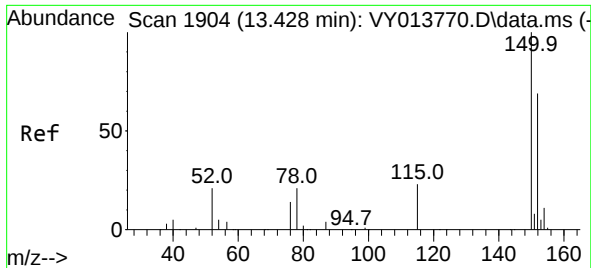
Tgt Ion: 95 Resp: 114723
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.8
176 84.7 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

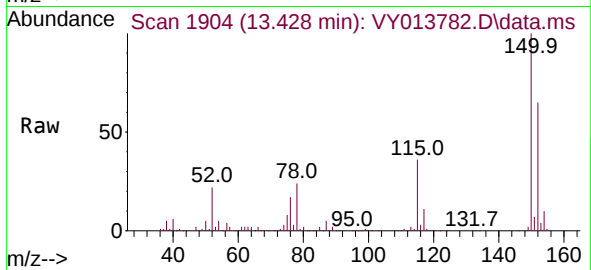
Tgt Ion: 117 Resp: 274203
Ion Ratio Lower Upper
117 100
82 57.2 45.5 68.3
119 32.7 24.8 37.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY013782.D
 Acq: 17 May 2023 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B5-18-20



Tgt Ion:152 Resp: 119825
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.5 85.5
 150 154.8 0.0 347.0

