

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013784.D
 Acq On : 17 May 2023 18:23
 Operator : KP/MD
 Sample : 02812-07
 Misc : 3.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B3-18-20

Quant Time: May 18 07:17:28 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)

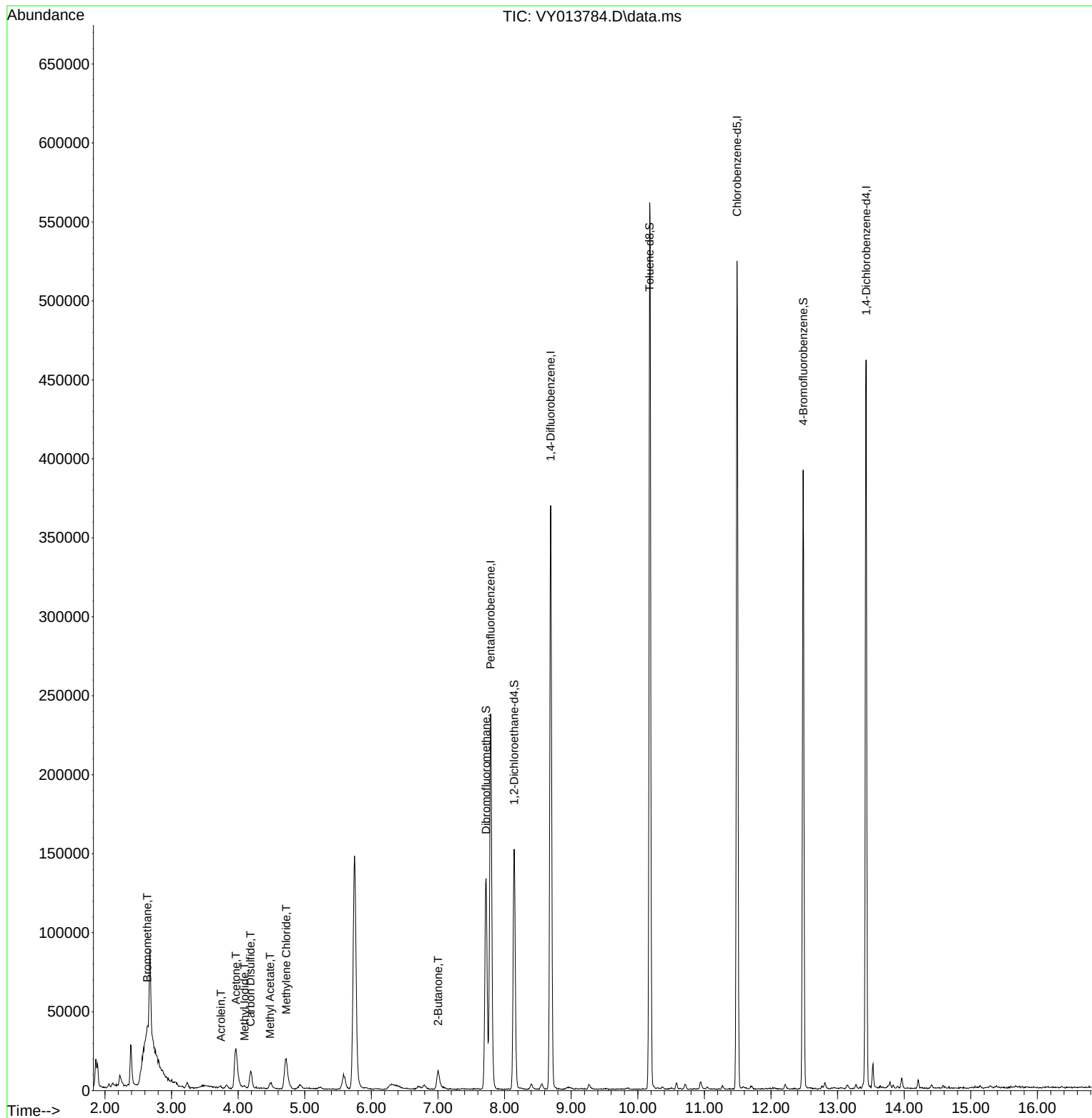
Internal Standards						
1) Pentafluorobenzene	7.789	168	182814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	120405	56.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.400%
35) Dibromofluoromethane	7.722	113	94863	48.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.140%
50) Toluene-d8	10.179	98	364992	49.292	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.483	95	111066	45.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.320%
Target Compounds						
						Qvalue
5) Bromomethane	2.638	94	3323	1.886	ug/l	87
10) Methyl Iodide	4.095	142	2560	1.377	ug/l #	88
13) Acrolein	3.741	56	1379	4.487	ug/l	98
16) Acetone	3.967	43	57399	89.584	ug/l	98
17) Carbon Disulfide	4.186	76	23338	5.294	ug/l	97
18) Methyl Acetate	4.479	43	8415	3.767	ug/l	97
20) Methylene Chloride	4.723	84	14237	1.406	ug/l	94
25) 2-Butanone	7.003	43	17573	21.098	ug/l #	90

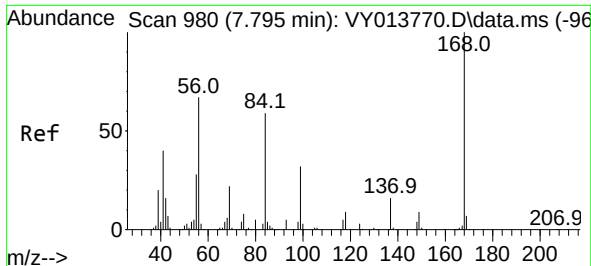
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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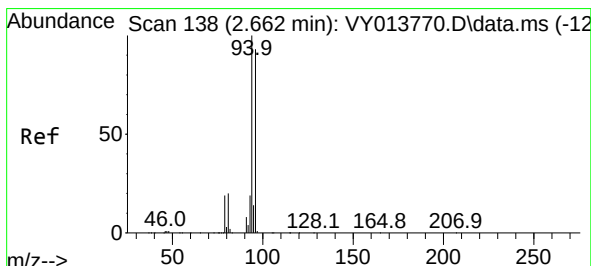
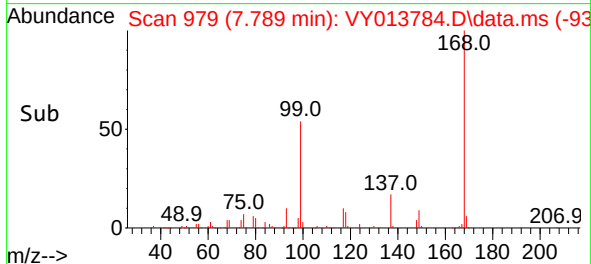
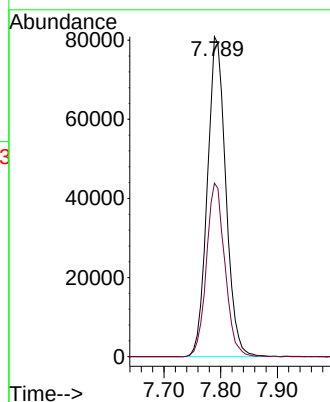
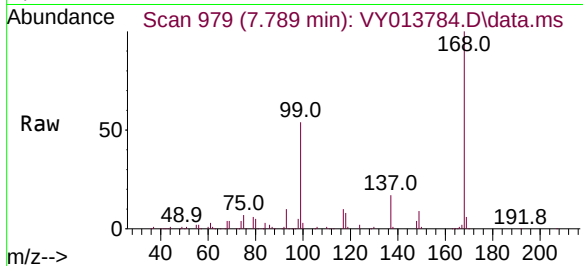




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

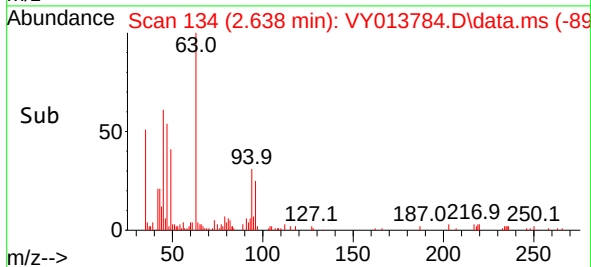
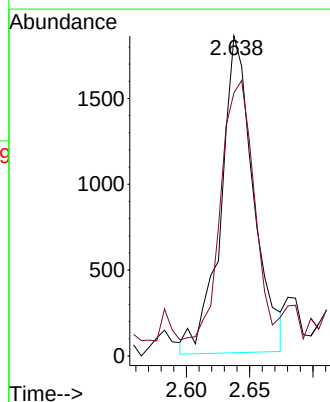
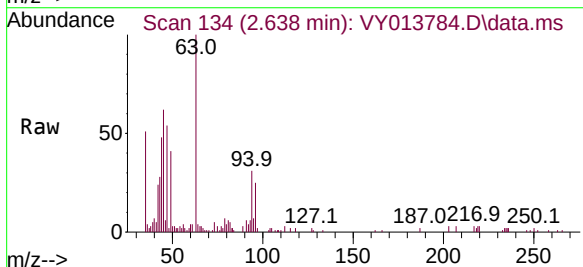
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

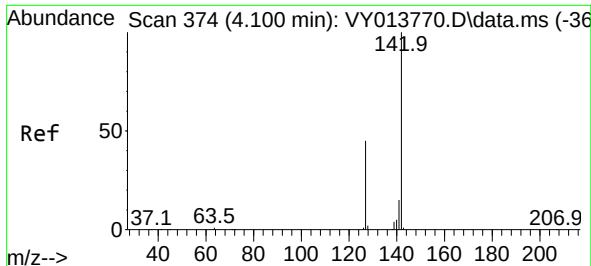
Tgt Ion:168 Resp: 182814
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#5
Bromomethane
Concen: 1.886 ug/l
RT: 2.638 min Scan# 134
Delta R.T. -0.024 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 94 Resp: 3323
Ion Ratio Lower Upper
94 100
96 80.6 74.2 111.4

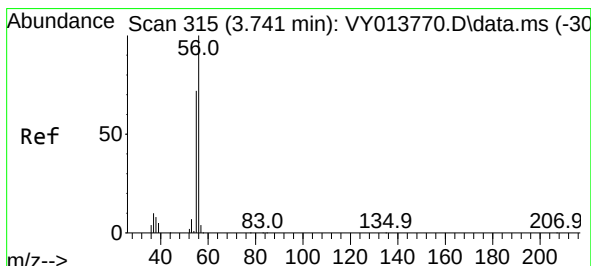
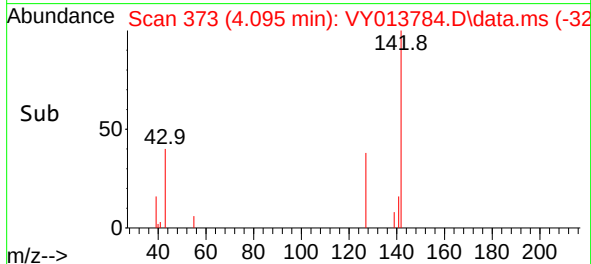
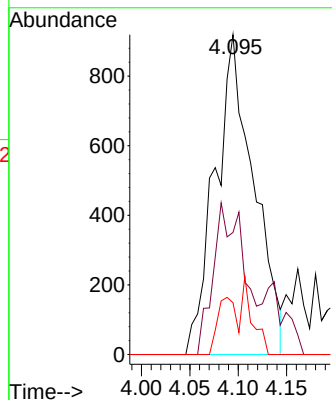
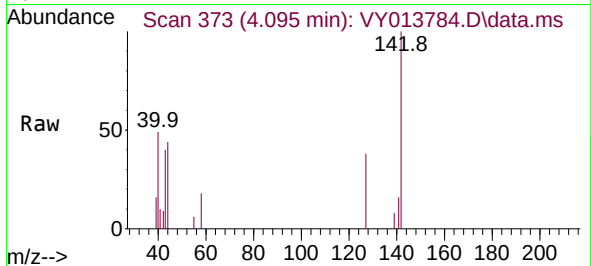




#10
Methyl Iodide
Concen: 1.377 ug/l
RT: 4.095 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

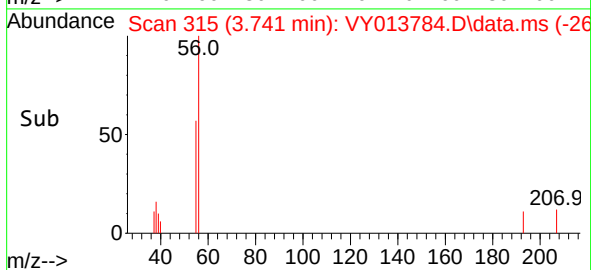
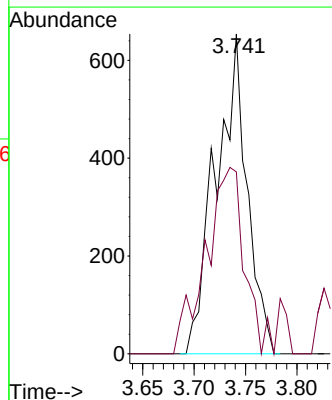
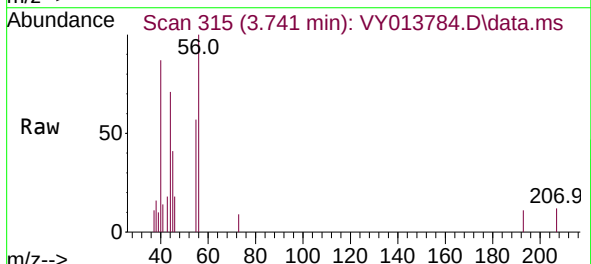
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

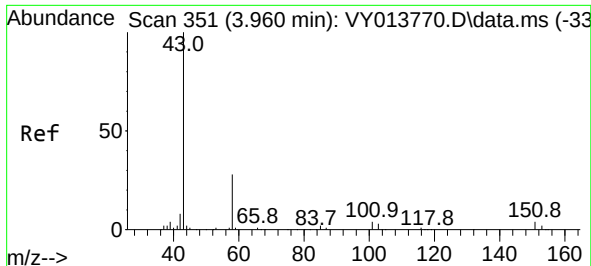
Tgt Ion:142 Resp: 2560
Ion Ratio Lower Upper
142 100
127 37.4 35.4 53.2
141 8.6 11.5 17.3#



#13
Acrolein
Concen: 4.487 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 56 Resp: 1379
Ion Ratio Lower Upper
56 100
55 70.5 57.5 86.3

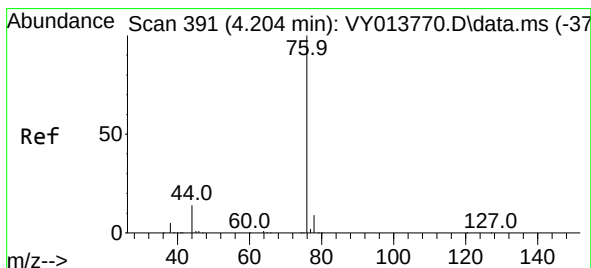
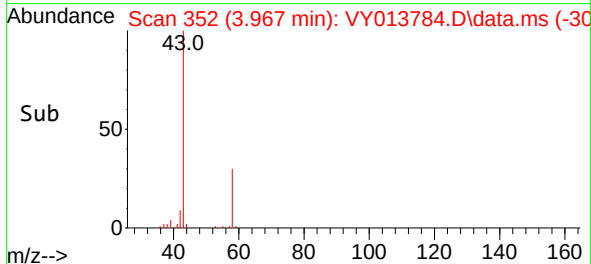
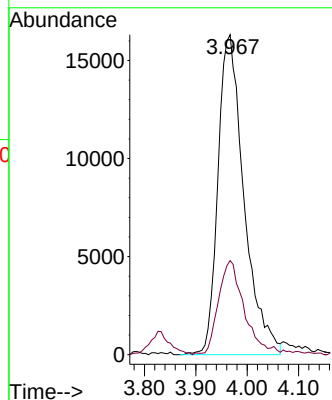
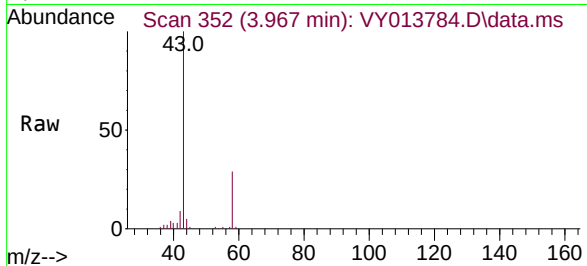




#16
Acetone
Concen: 89.584 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

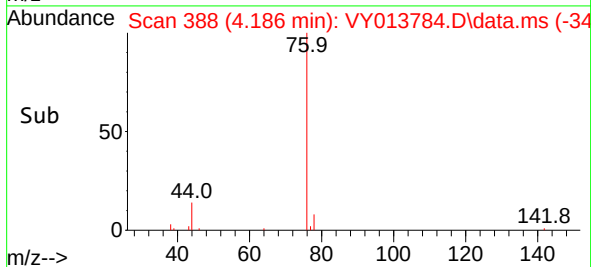
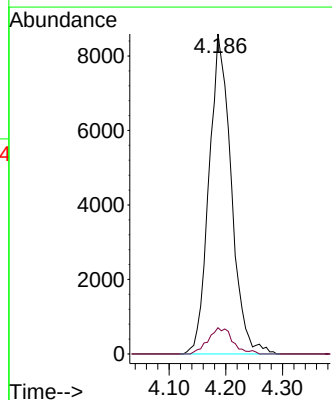
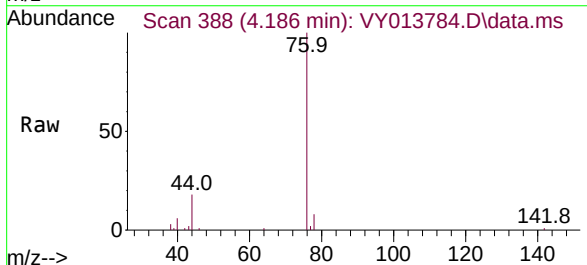
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

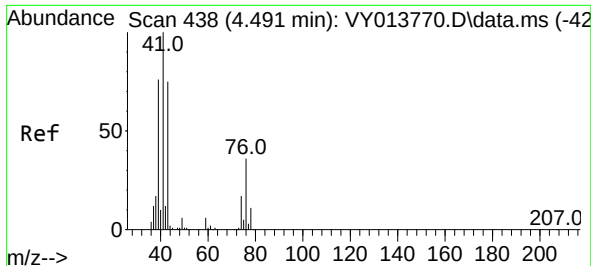
Tgt Ion: 43 Resp: 57399
Ion Ratio Lower Upper
43 100
58 28.6 23.7 35.5



#17
Carbon Disulfide
Concen: 5.294 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.018 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 76 Resp: 23338
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3

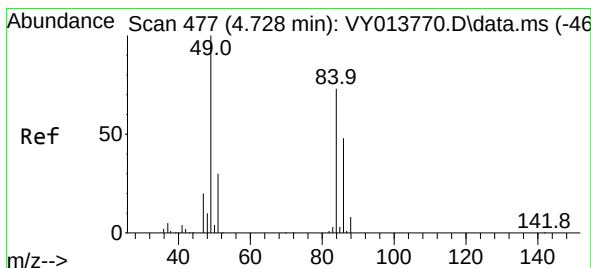
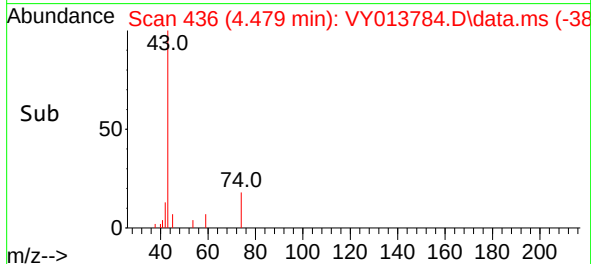
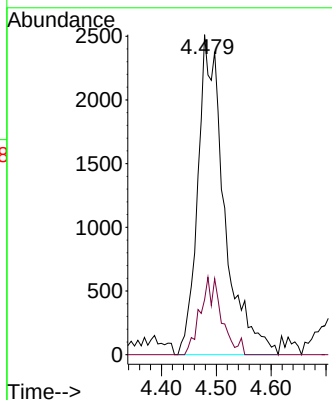
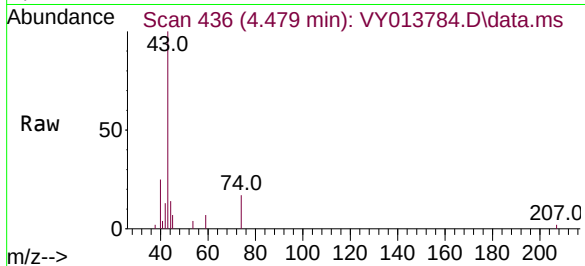




#18
Methyl Acetate
Concen: 3.767 ug/l
RT: 4.479 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

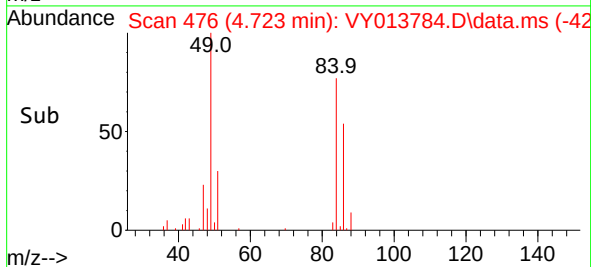
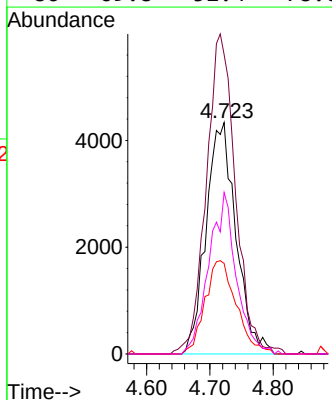
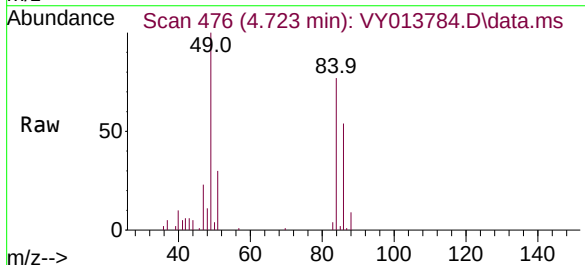
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

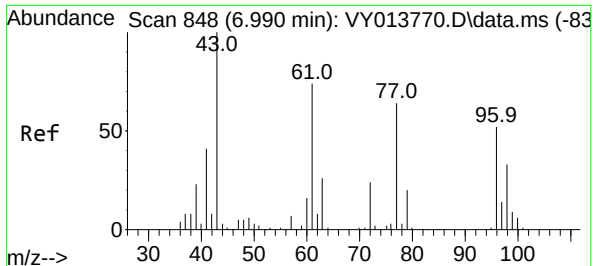
Tgt Ion: 43 Resp: 8415
Ion Ratio Lower Upper
43 100
74 19.4 16.6 25.0



#20
Methylene Chloride
Concen: 1.406 ug/l
RT: 4.723 min Scan# 476
Delta R.T. -0.005 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 84 Resp: 14237
Ion Ratio Lower Upper
84 100
49 127.4 109.4 164.0
51 39.2 32.8 49.2
86 69.8 52.4 78.6





#25

2-Butanone

Concen: 21.098 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

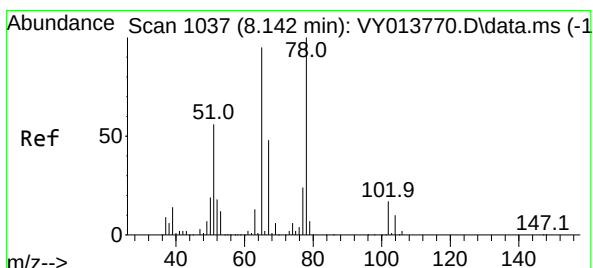
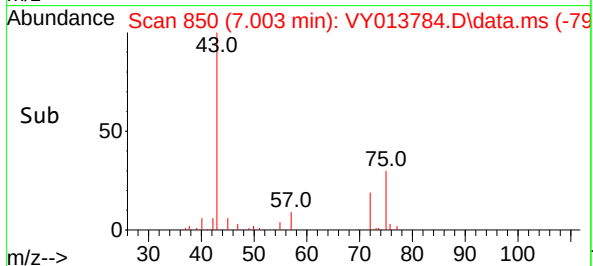
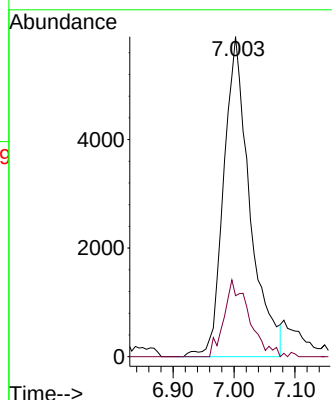
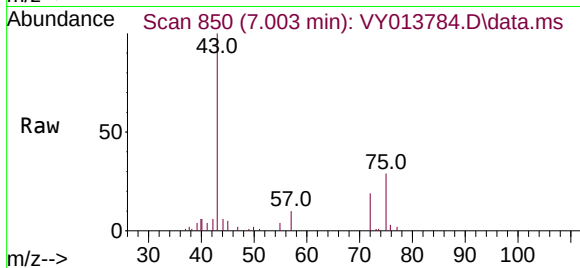
WG-0516-B3-18-20

Tgt Ion: 43 Resp: 17573

Ion Ratio Lower Upper

43 100

72 19.0 19.0 28.6#



#33

1,2-Dichloroethane-d4

Concen: 56.696 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013784.D

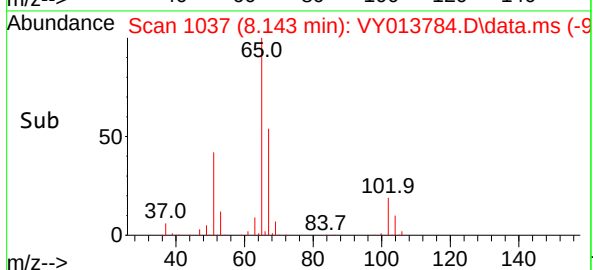
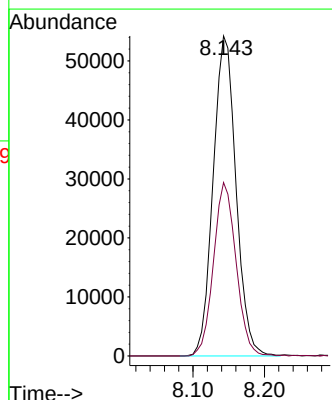
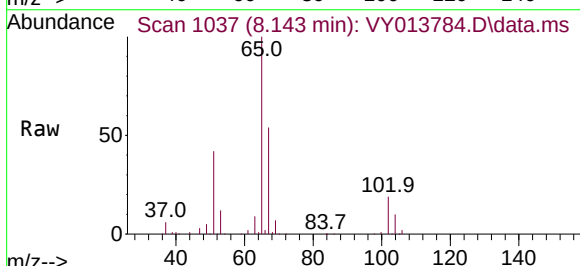
Acq: 17 May 2023 18:23

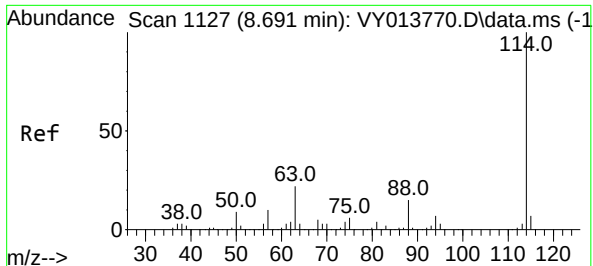
Tgt Ion: 65 Resp: 120405

Ion Ratio Lower Upper

65 100

67 53.4 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: VY013784.D

Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B3-18-20

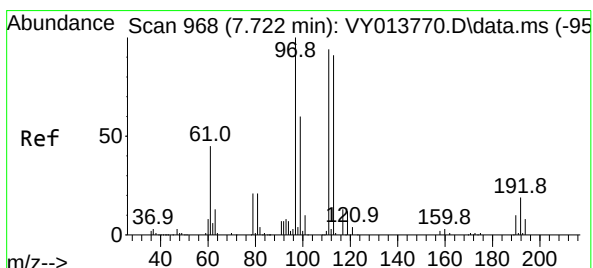
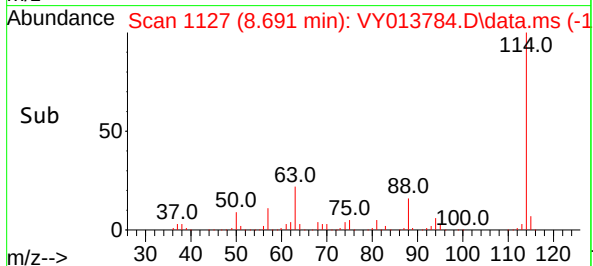
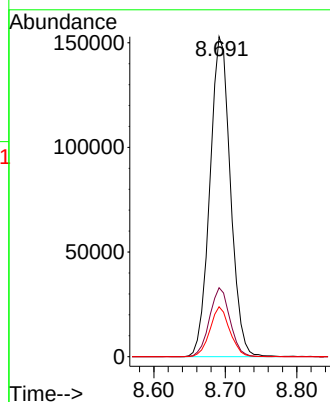
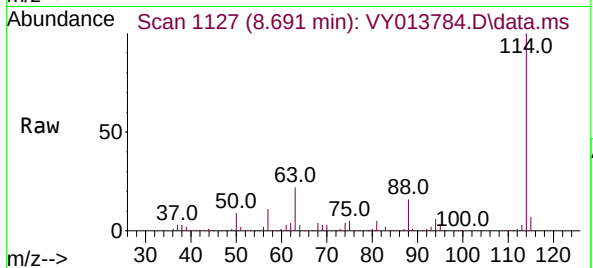
Tgt Ion:114 Resp: 304579

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.8

88 15.6 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.570 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

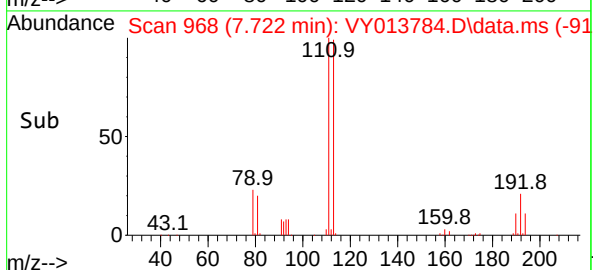
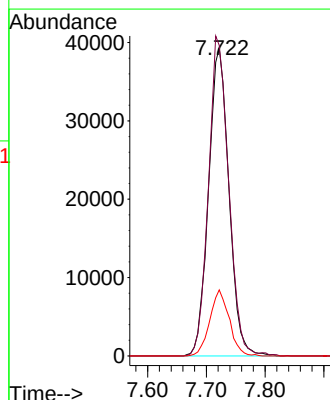
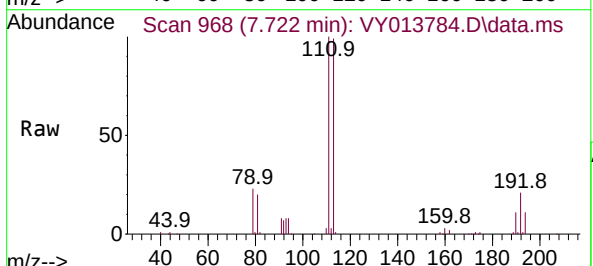
Tgt Ion:113 Resp: 94863

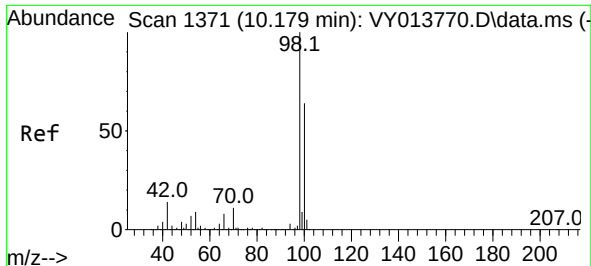
Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

192 20.5 16.0 24.0

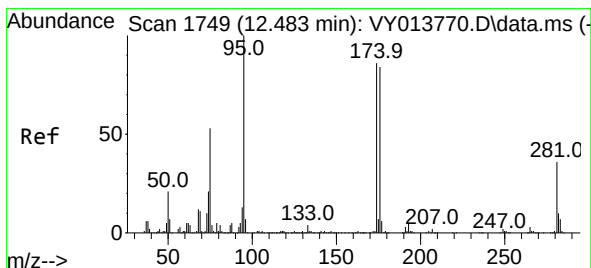
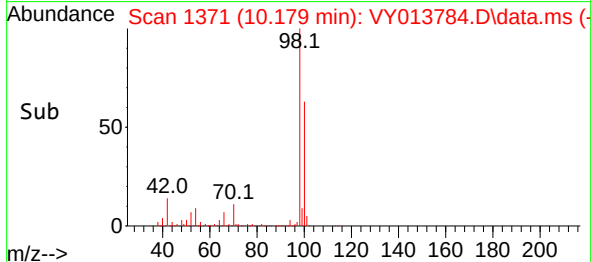
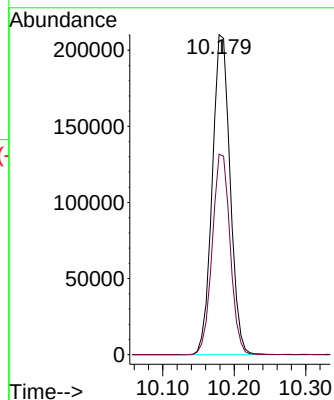
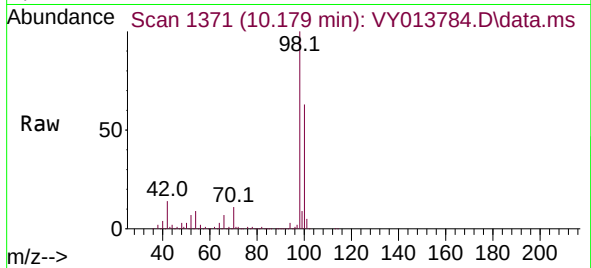




#50
Toluene-d8
Concen: 49.292 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

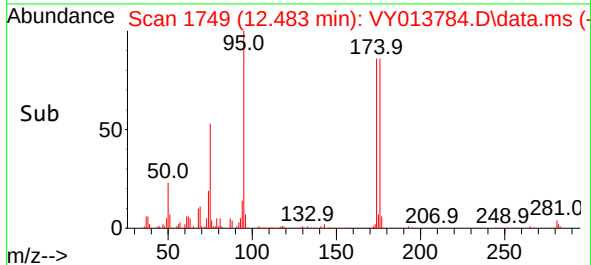
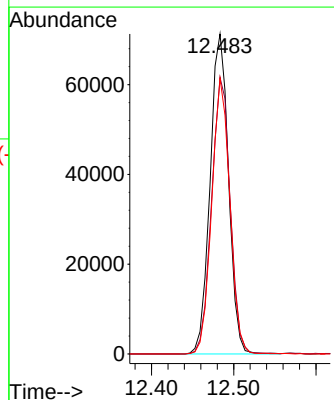
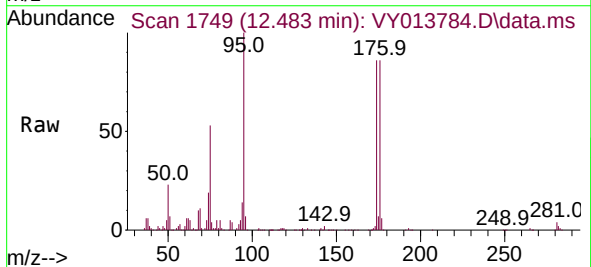
Instrument :
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WG-0516-B3-18-20

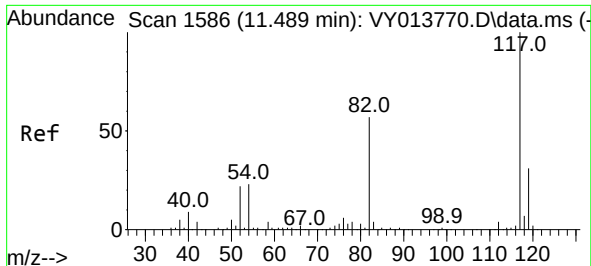
Tgt Ion: 98 Resp: 364992
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 45.158 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 95 Resp: 111066
Ion Ratio Lower Upper
95 100
174 87.4 0.0 168.8
176 84.7 0.0 165.2

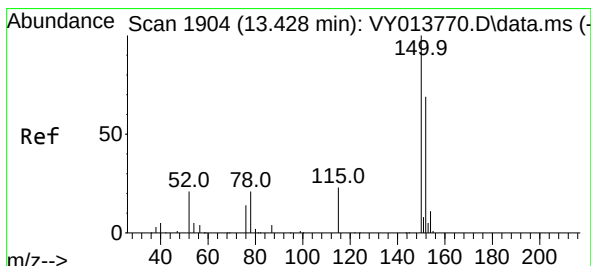
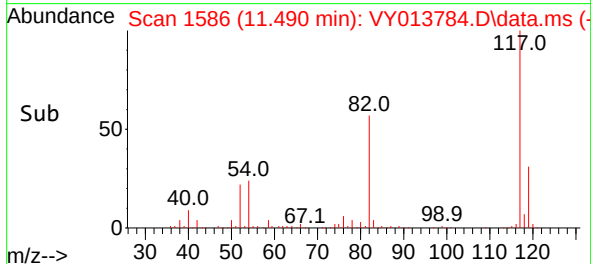
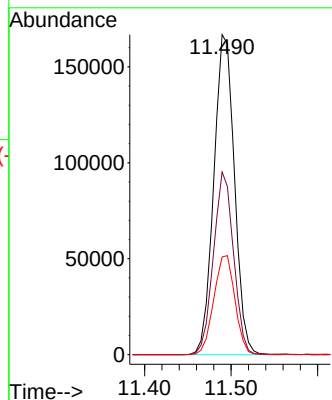
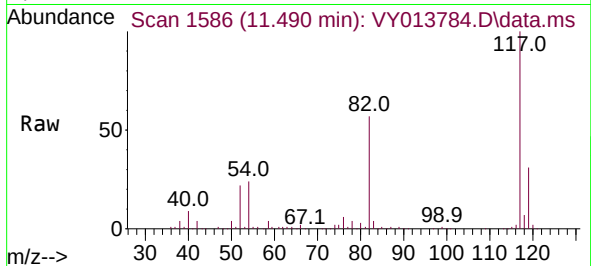




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

Tgt Ion:117 Resp: 276495
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 30.6 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: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion:152 Resp: 112376
Ion Ratio Lower Upper
152 100
115 58.4 28.5 85.5
150 157.1 0.0 347.0

