

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013788.D
 Acq On : 17 May 2023 19:57
 Operator : KP/MD
 Sample : 02812-15
 Misc : 4.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B2-0-2

Quant Time: May 18 07:18:50 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)

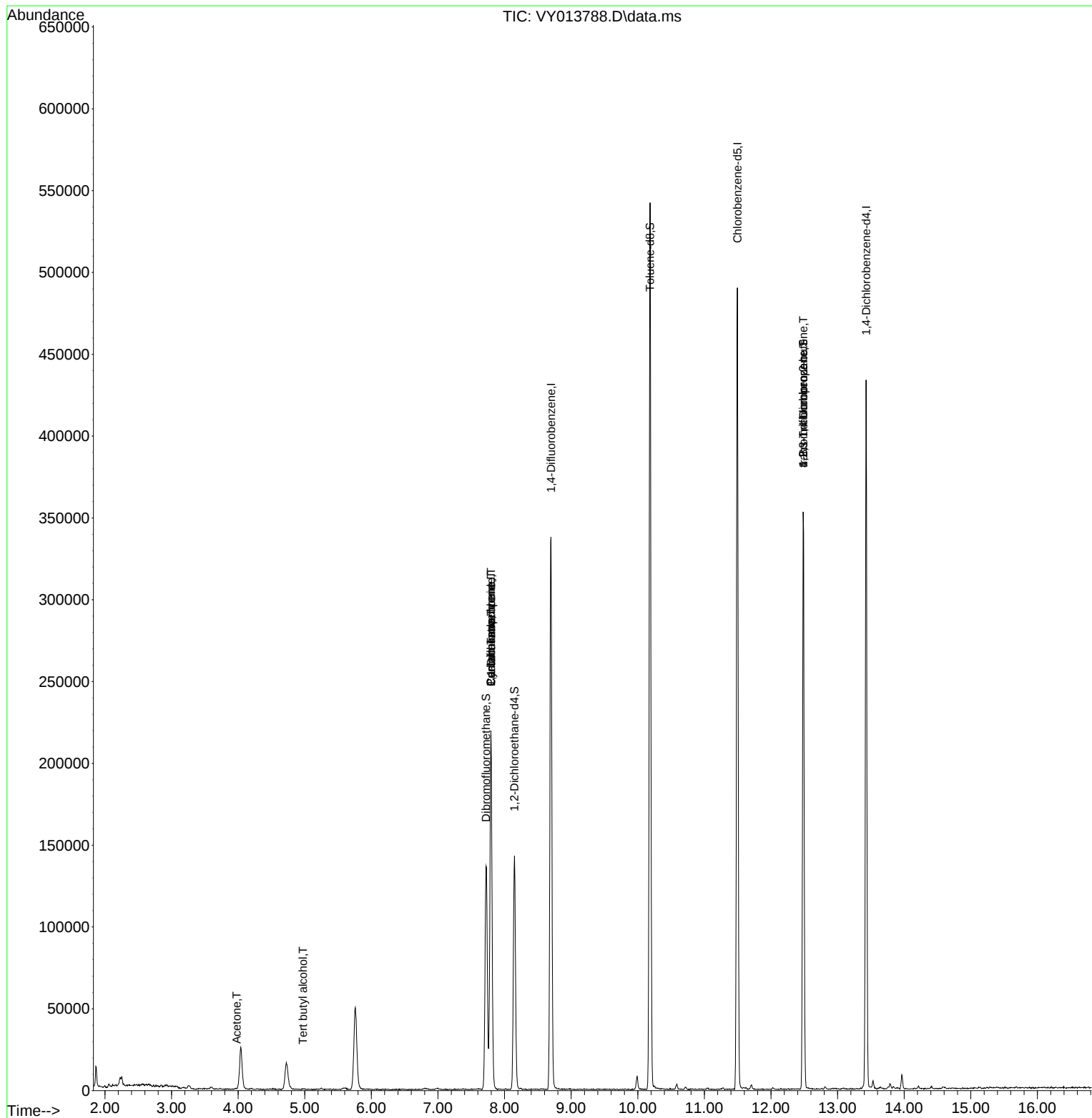
Internal Standards						
1) Pentafluorobenzene	7.795	168	164638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	281043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	260081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	114580	59.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.820%			
35) Dibromofluoromethane	7.722	113	96297	53.433	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.860%			
50) Toluene-d8	10.185	98	342907	50.188	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.380%			
62) 4-Bromofluorobenzene	12.483	95	103715	45.701	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.400%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.973	59	368	2.375	ug/l #	73
16) Acetone	3.979	43	999	1.731	ug/l #	83
31) Cyclohexane	7.795	56	4085	1.490	ug/l #	2
36) 1,1-Dichloropropene	7.795	75	12653	5.081	ug/l #	51
38) Carbon Tetrachloride	7.795	117	16457	6.265	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	55070	42.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55070	95.102	ug/l #	12

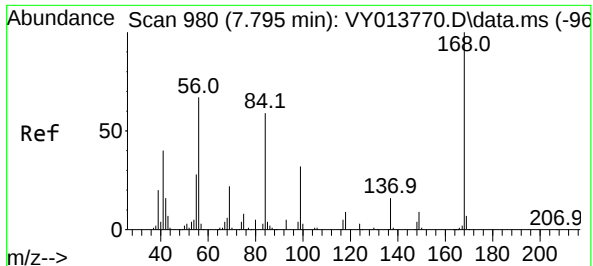
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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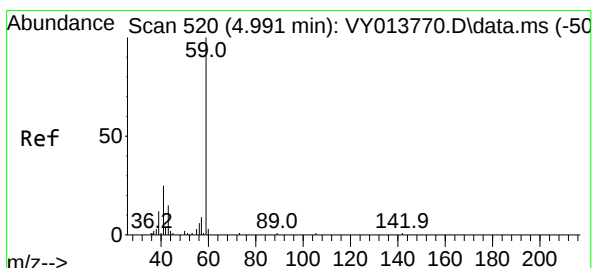
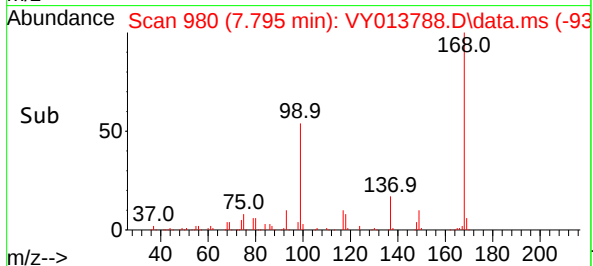
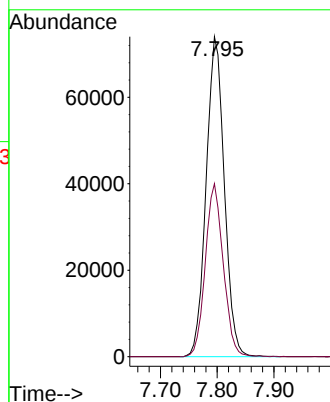
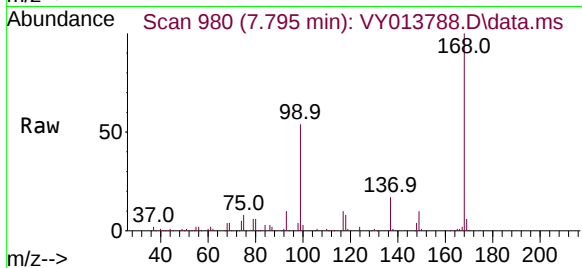




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

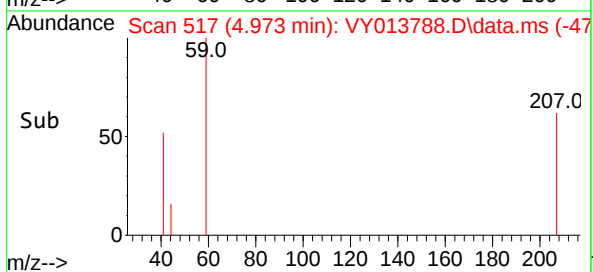
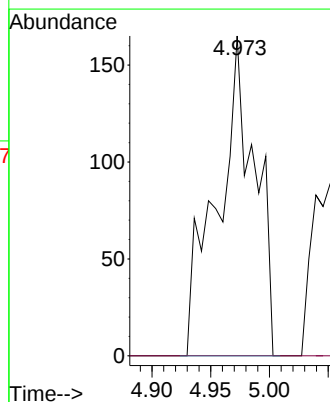
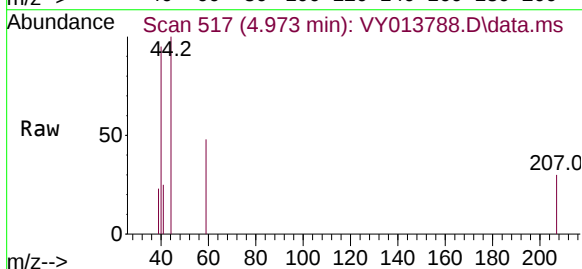
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B2-0-2

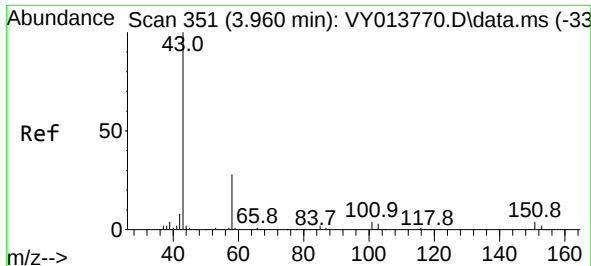
Tgt Ion:168 Resp: 164638
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 2.375 ug/l
RT: 4.973 min Scan# 517
Delta R.T. -0.018 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

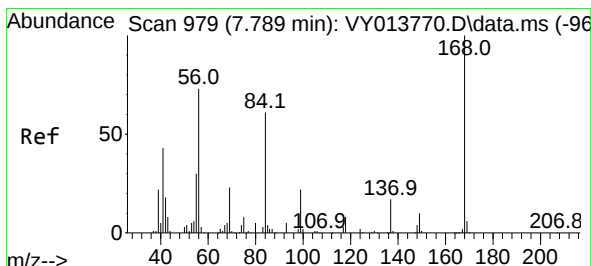
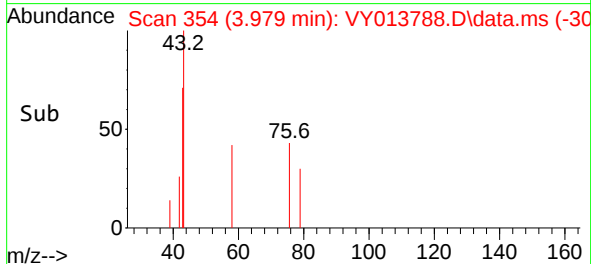
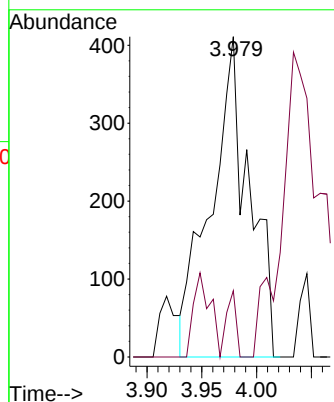
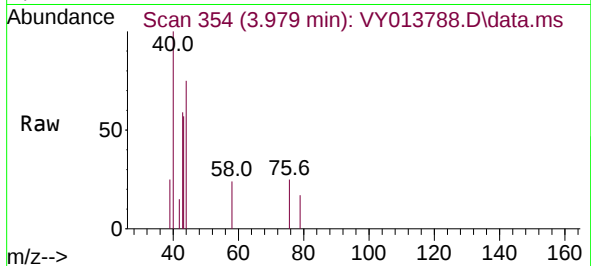




#16
Acetone
Concen: 1.731 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

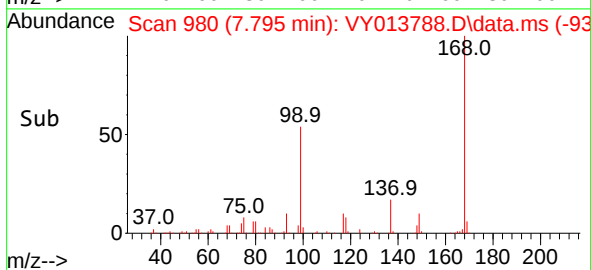
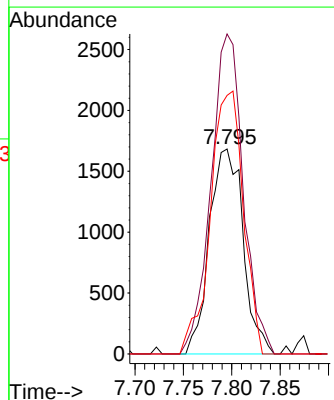
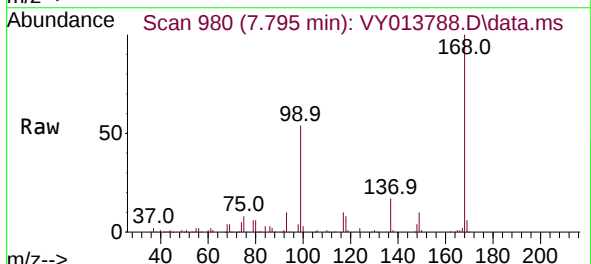
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B2-0-2

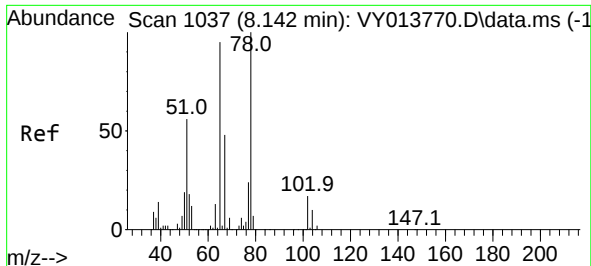
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 20.7 23.7 35.5#



#31
Cyclohexane
Concen: 1.490 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

Tgt Ion: 56 Resp: 4085
Ion Ratio Lower Upper
56 100
69 156.1 25.8 38.6#
84 126.1 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: 59.910 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY013788.D

Acq: 17 May 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

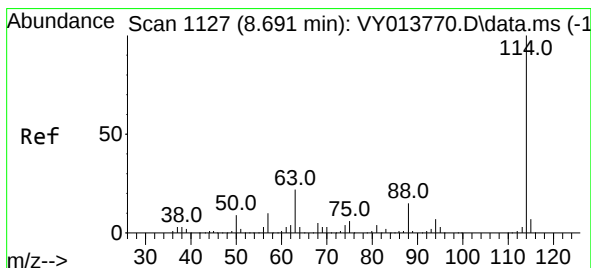
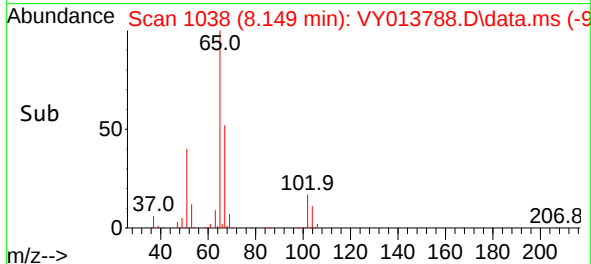
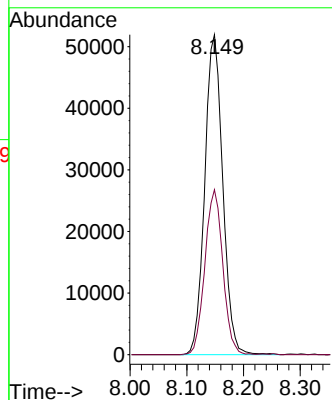
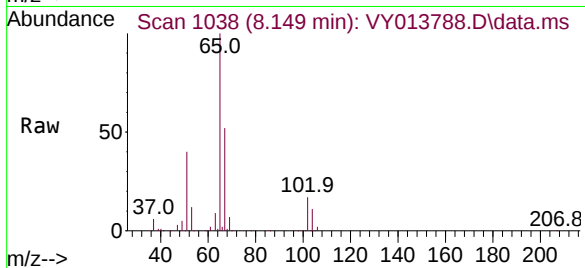
WG-0516-B2-0-2

Tgt Ion: 65 Resp: 114580

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY013788.D

Acq: 17 May 2023 19:57

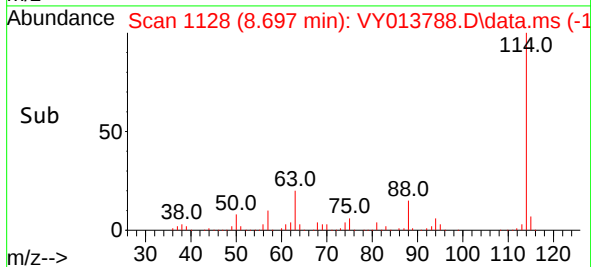
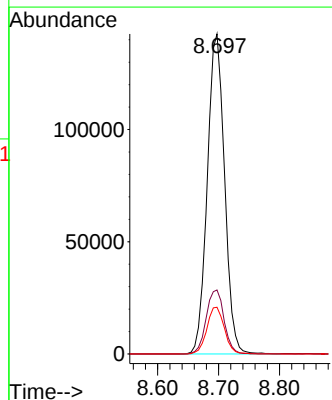
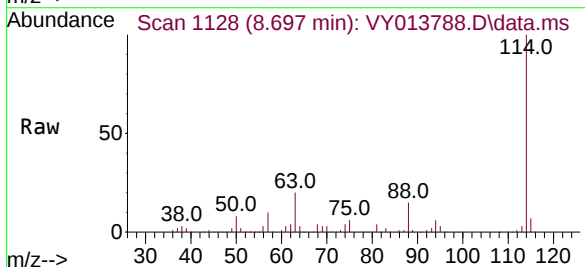
Tgt Ion: 114 Resp: 281043

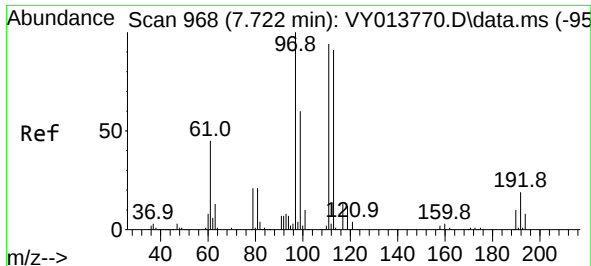
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

88 14.6 0.0 30.8

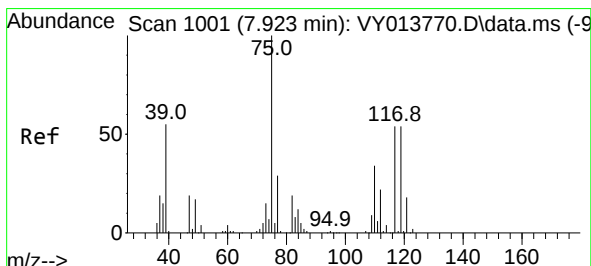
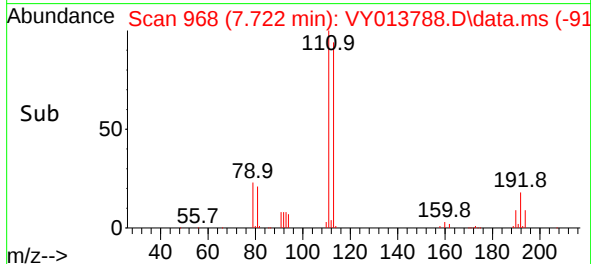
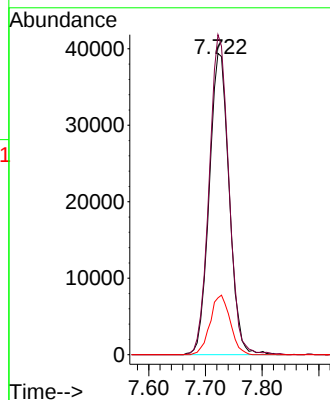
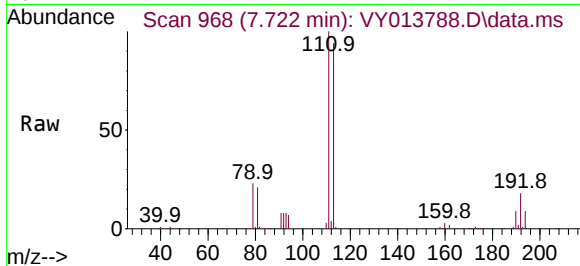




#35
Dibromofluoromethane
Concen: 53.433 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

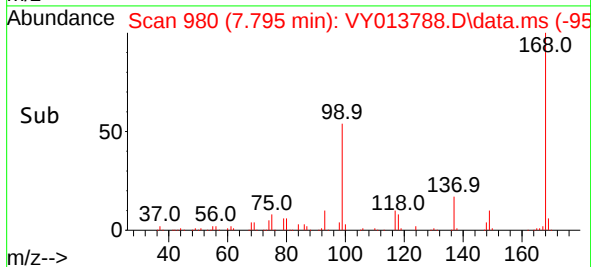
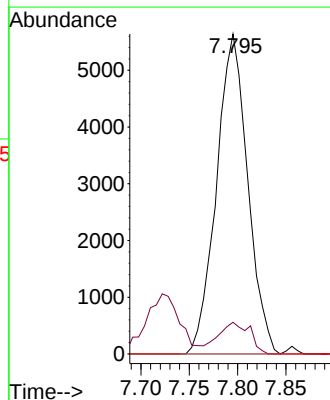
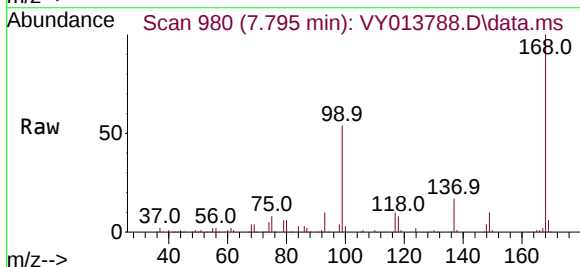
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B2-0-2

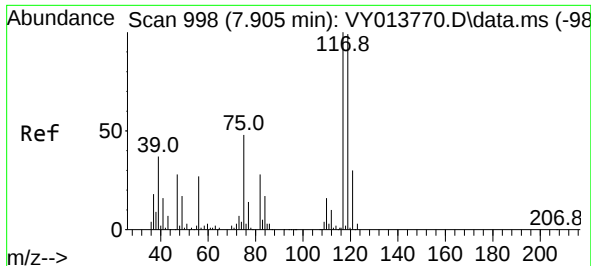
Tgt Ion:113 Resp: 96297
Ion Ratio Lower Upper
113 100
111 104.9 82.3 123.5
192 19.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

Tgt Ion: 75 Resp: 12653
Ion Ratio Lower Upper
75 100
110 10.0 17.3 51.7#
77 0.0 24.6 36.8#

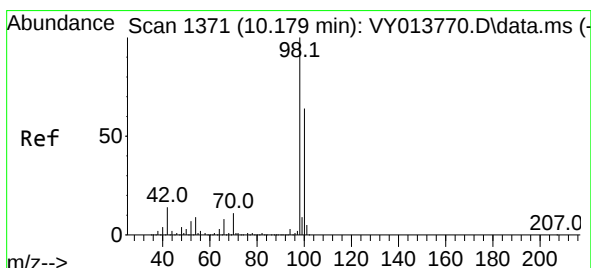
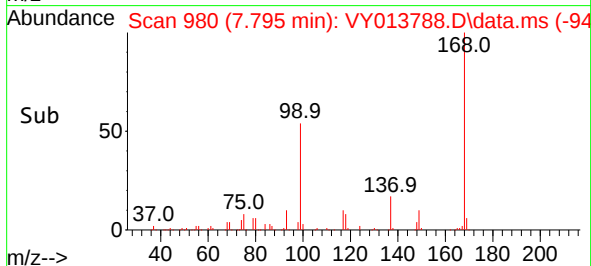
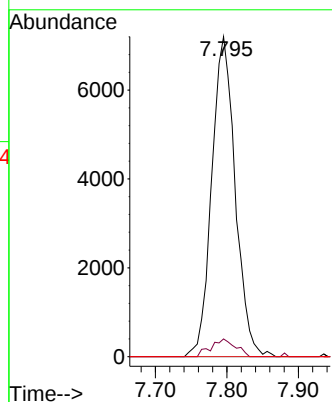
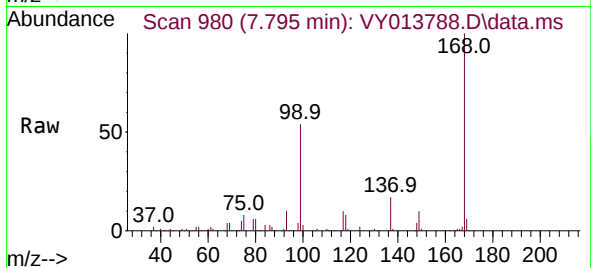




#38
Carbon Tetrachloride
Concen: 6.265 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

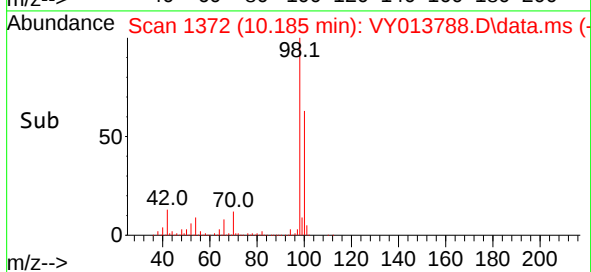
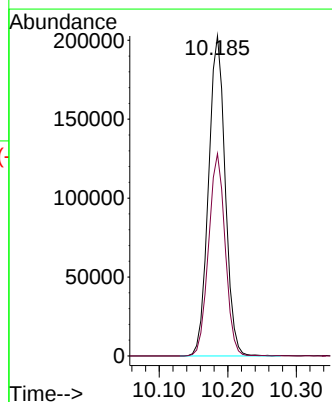
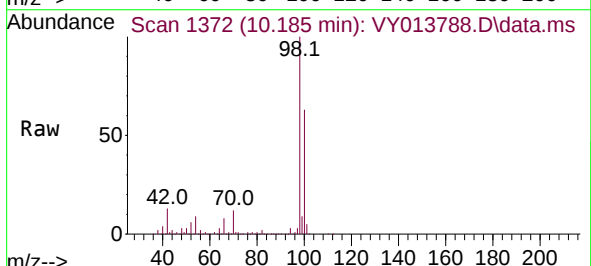
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B2-0-2

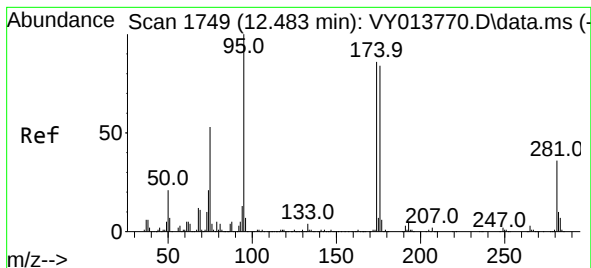
Tgt Ion:117 Resp: 16457
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.188 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

Tgt Ion: 98 Resp: 342907
Ion Ratio Lower Upper
98 100
100 62.9 51.0 76.6

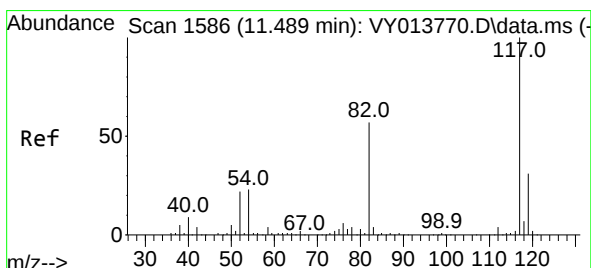
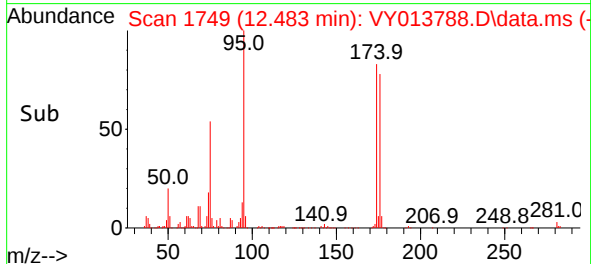
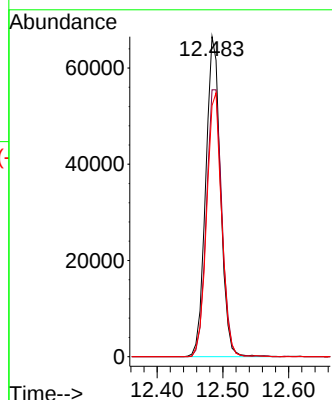
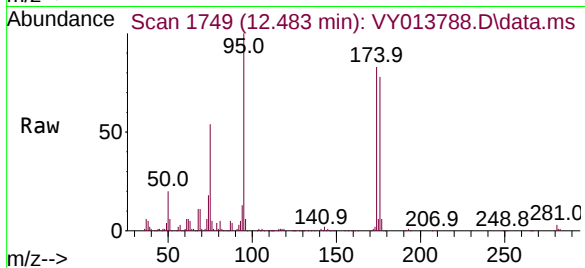




#62
4-Bromofluorobenzene
Concen: 45.701 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

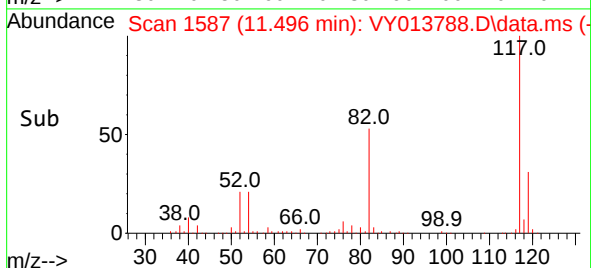
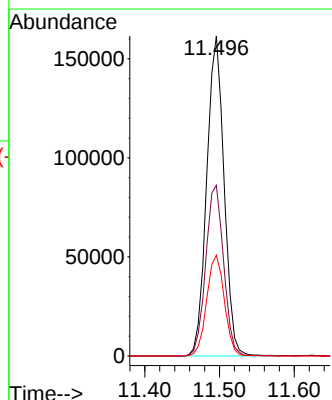
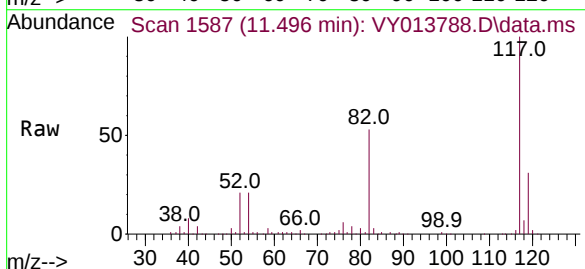
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WG-0516-B2-0-2

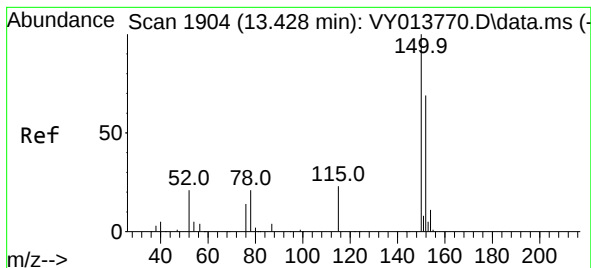
Tgt Ion: 95 Resp: 103715
Ion Ratio Lower Upper
95 100
174 87.6 0.0 168.8
176 83.4 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY013788.D
Acq: 17 May 2023 19:57

Tgt Ion: 117 Resp: 260081
Ion Ratio Lower Upper
117 100
82 53.4 45.5 68.3
119 31.5 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: VY013788.D

Acq: 17 May 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B2-0-2

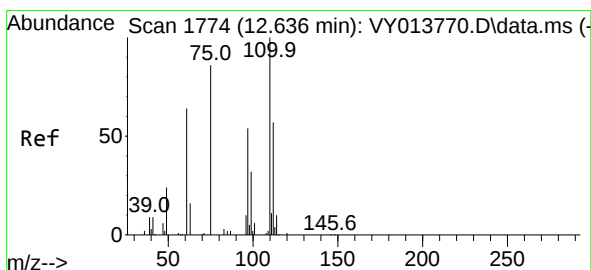
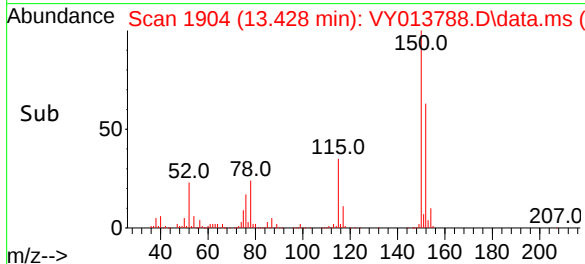
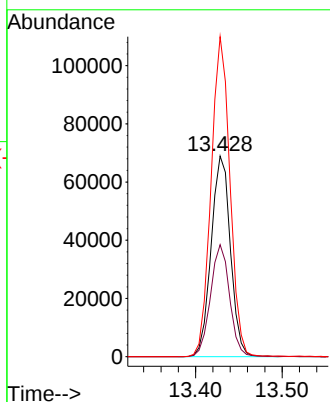
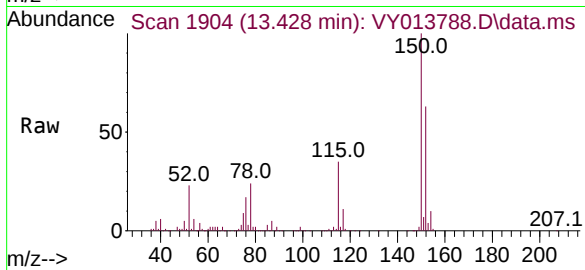
Tgt Ion:152 Resp: 106523

Ion Ratio Lower Upper

152 100

115 55.4 28.5 85.5

150 156.2 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 42.716 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013788.D

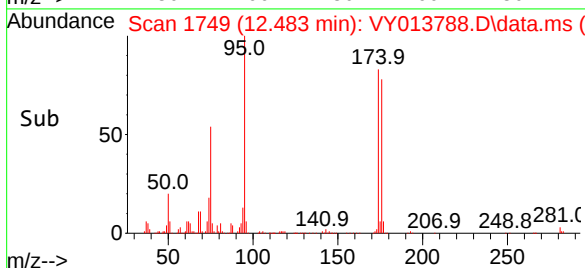
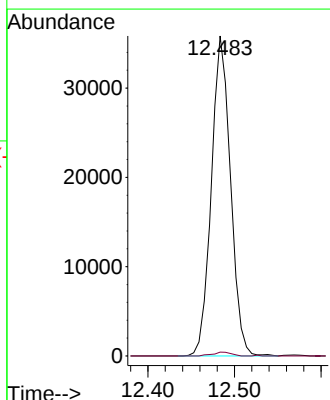
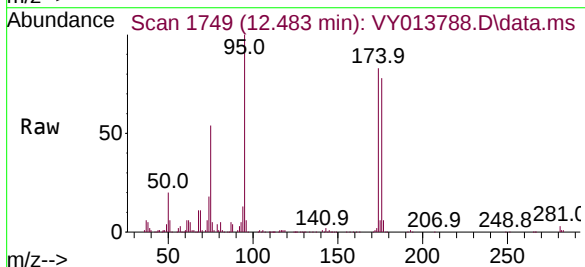
Acq: 17 May 2023 19:57

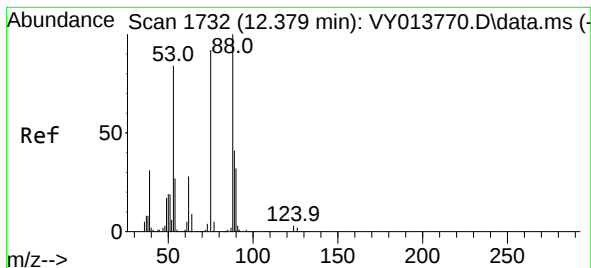
Tgt Ion: 75 Resp: 55070

Ion Ratio Lower Upper

75 100

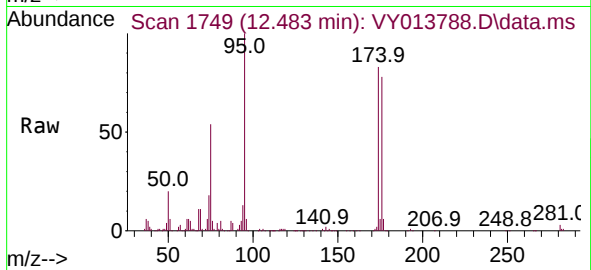
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.102 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013788.D
 Acq: 17 May 2023 19:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B2-0-2



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	75.3	112.9#
89	0.1	35.4	53.2#

