

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016193.D
 Acq On : 02 Nov 2023 16:22
 Operator : SY/MD
 Sample : 05220-03
 Misc : 2.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Z-6(5-10)

Quant Time: Nov 03 03:16:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

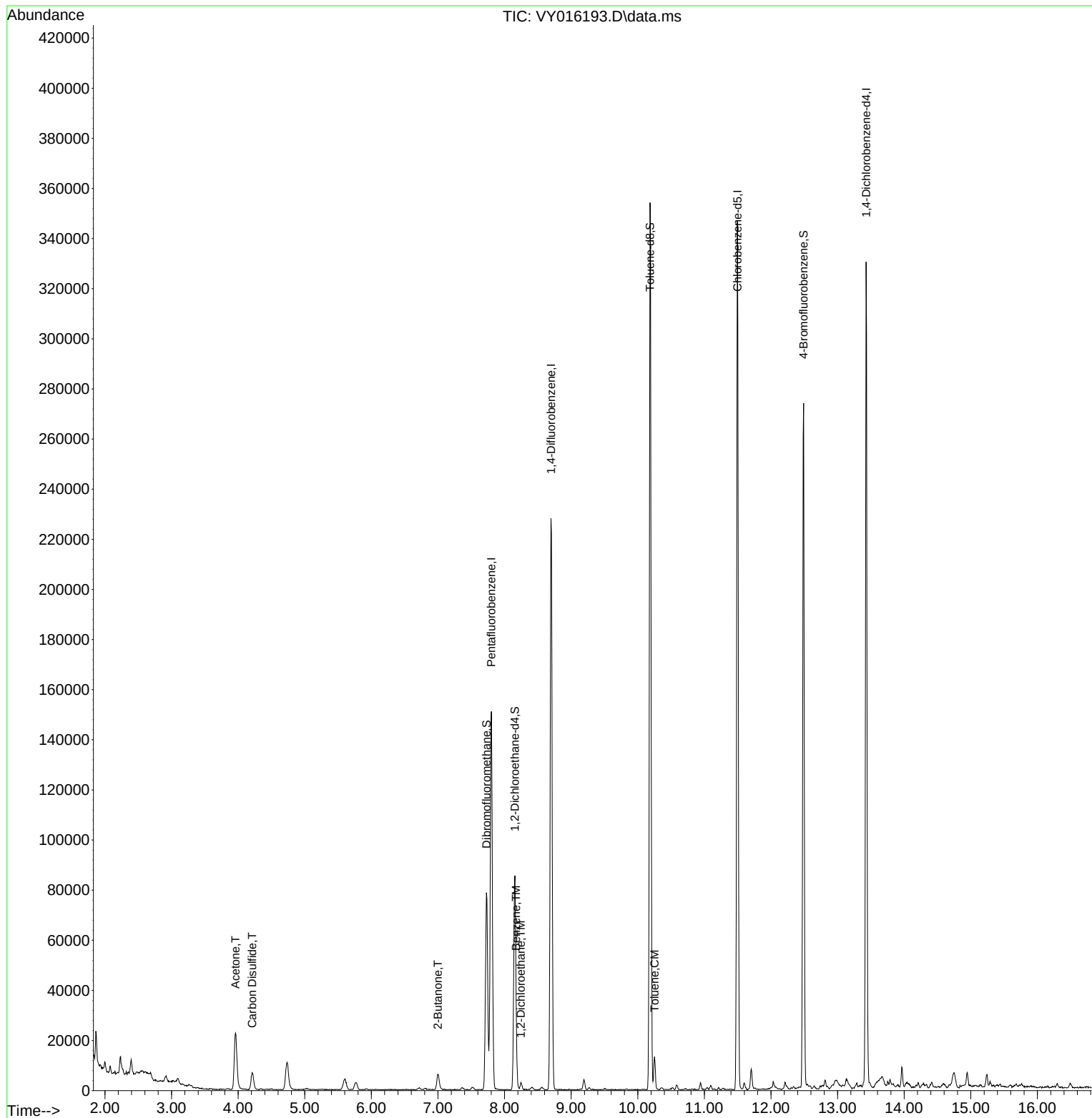
Internal Standards						
1) Pentafluorobenzene	7.801	168	118717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	204455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	190681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65845	59.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.540%
35) Dibromofluoromethane	7.728	113	56433	46.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.600%
50) Toluene-d8	10.185	98	235890	48.811	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.620%
62) 4-Bromofluorobenzene	12.489	95	81713	49.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.900%
Target Compounds						
						Qvalue
16) Acetone	3.960	43	40849	228.734	ug/l	# 89
17) Carbon Disulfide	4.210	76	14131	6.025	ug/l	98
25) 2-Butanone	6.997	43	11160	36.414	ug/l	94
40) Benzene	8.173	78	7620	1.508	ug/l	98
42) 1,2-Dichloroethane	8.246	62	2321	1.646	ug/l	86
52) Toluene	10.252	92	5882	1.796	ug/l	87

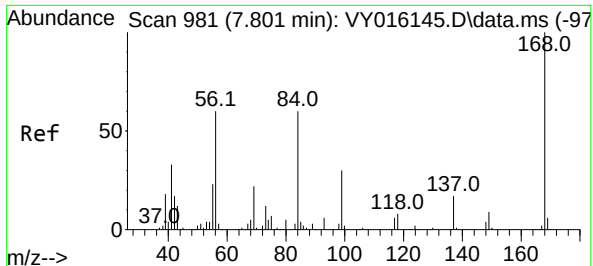
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Z-6(5-10)

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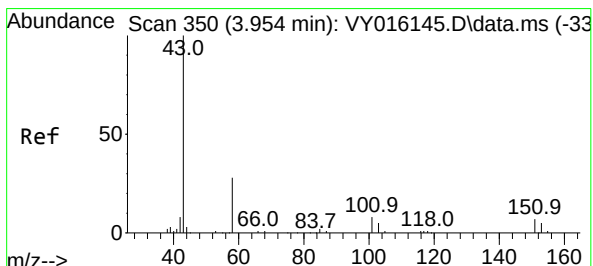
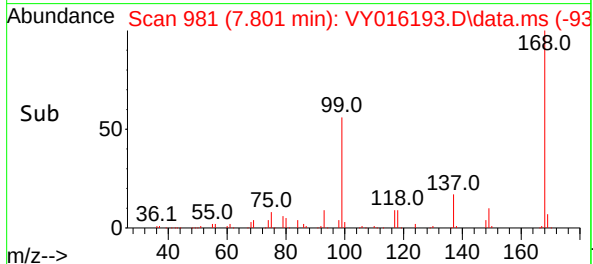
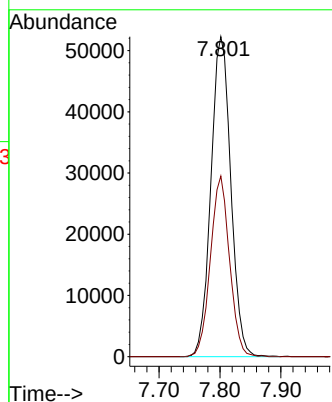
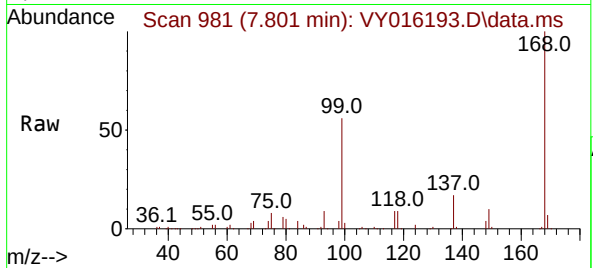




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

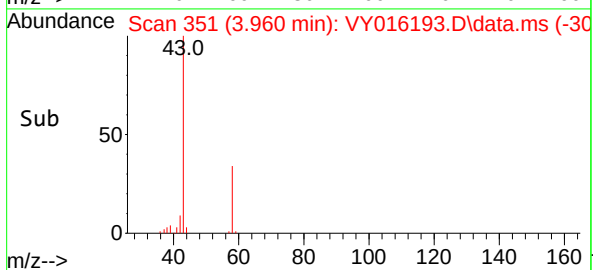
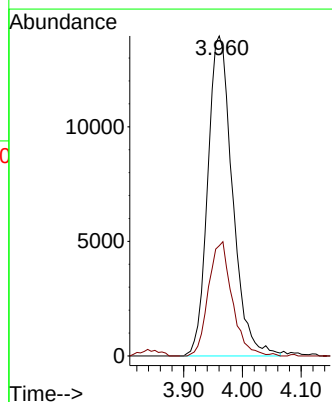
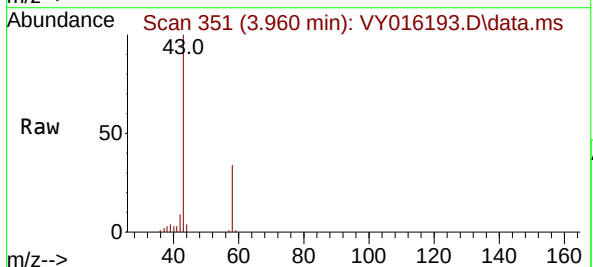
Instrument :
MSVOA_Y
ClientSampleId :
Z-6(5-10)

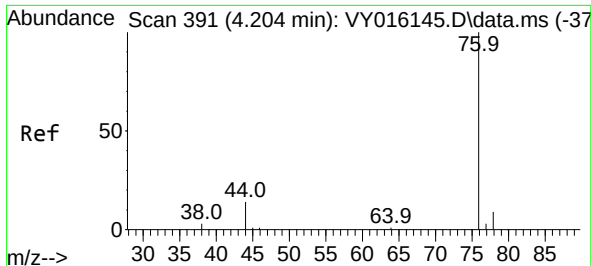
Tgt Ion:168 Resp: 118717
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#16
Acetone
Concen: 228.734 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 43 Resp: 40849
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#

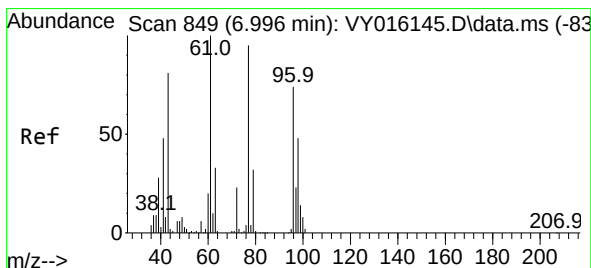
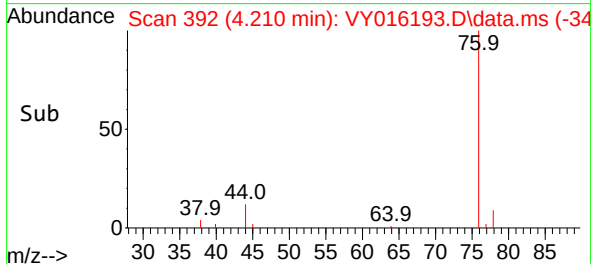
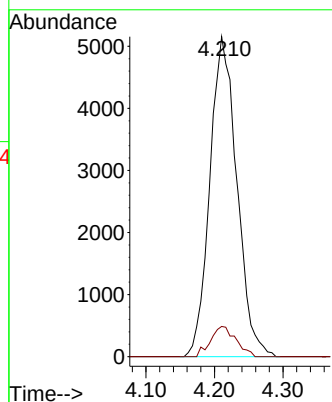
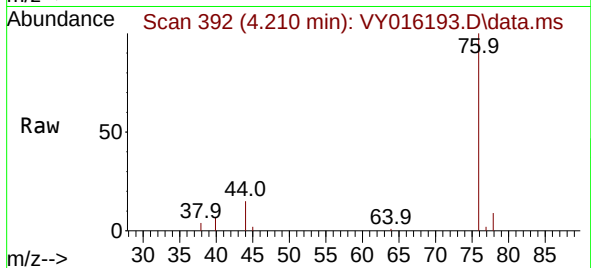




#17
Carbon Disulfide
Concen: 6.025 ug/l
RT: 4.210 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

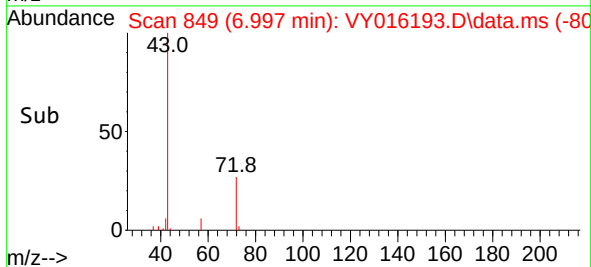
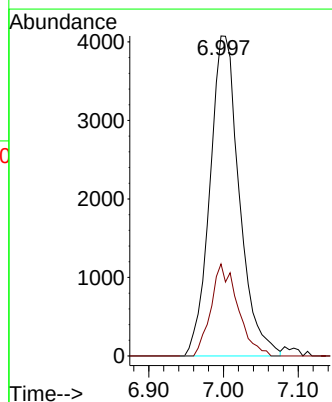
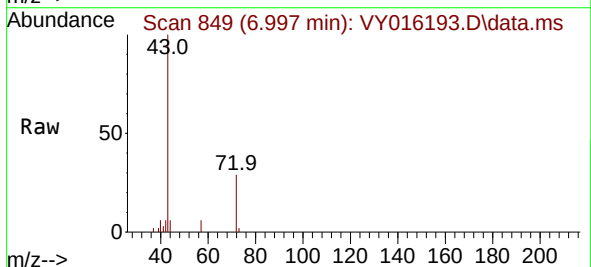
Instrument :
MSVOA_Y
ClientSampleId :
Z-6(5-10)

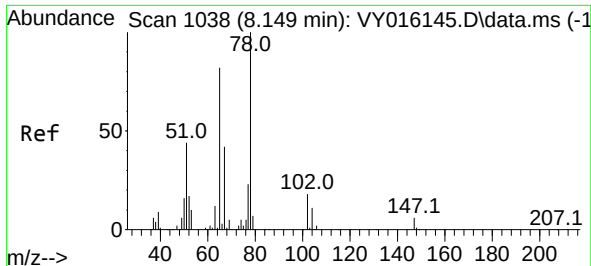
Tgt Ion: 76 Resp: 14131
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4



#25
2-Butanone
Concen: 36.414 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 43 Resp: 11160
Ion Ratio Lower Upper
43 100
72 28.8 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 59.273 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

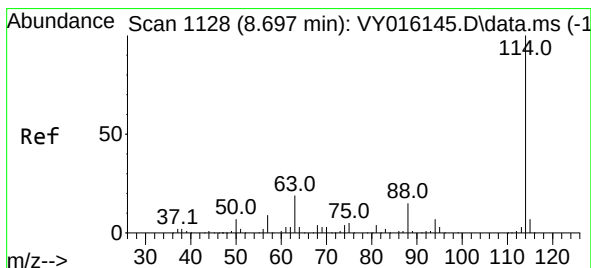
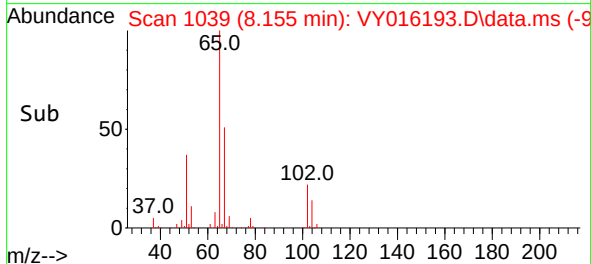
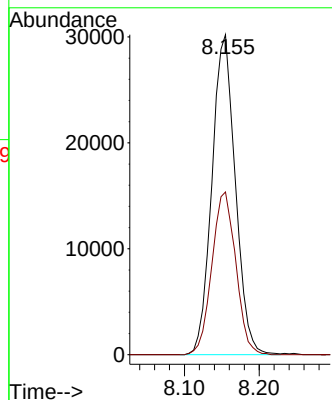
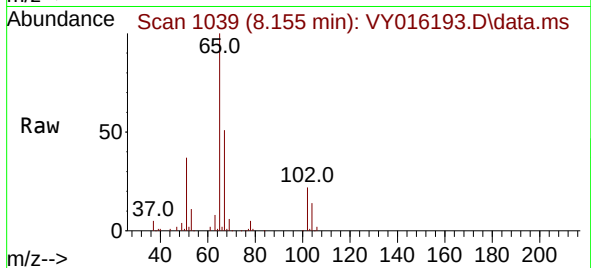
Z-6(5-10)

Tgt Ion: 65 Resp: 65845

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

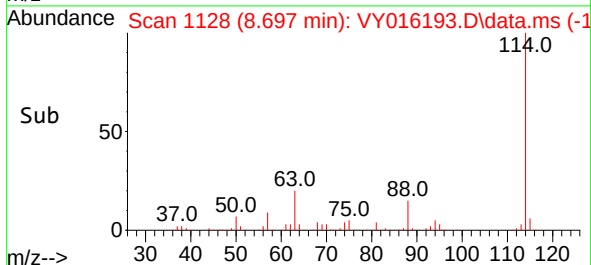
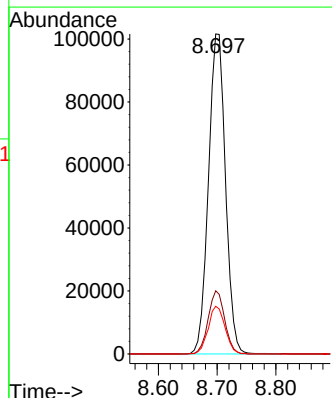
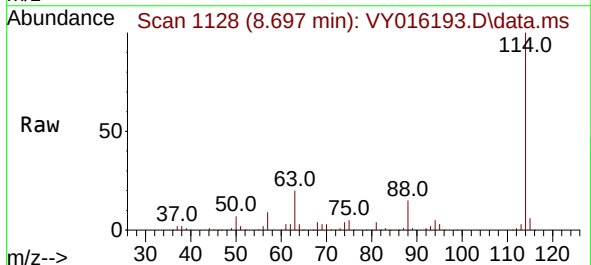
Tgt Ion: 114 Resp: 204455

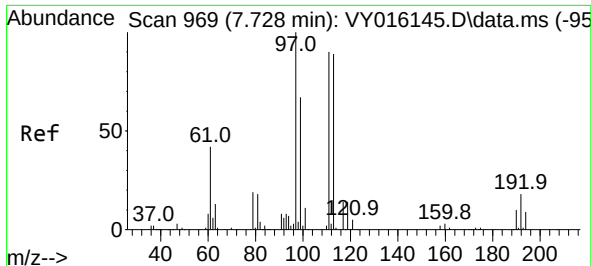
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.9 0.0 30.6

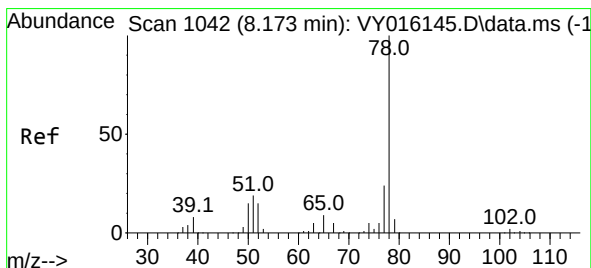
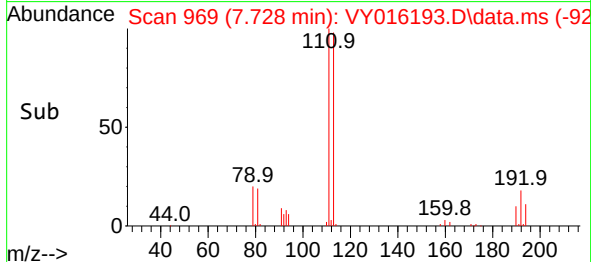
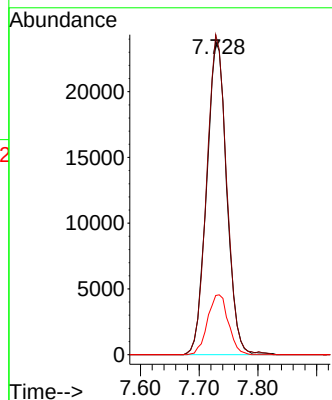
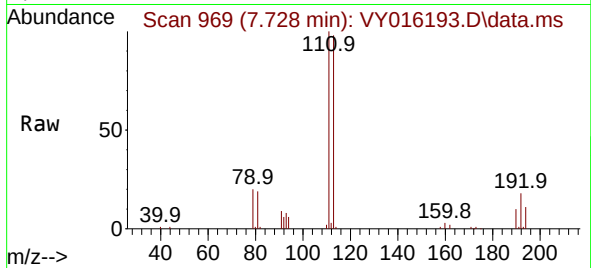




#35
Dibromofluoromethane
Concen: 46.298 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

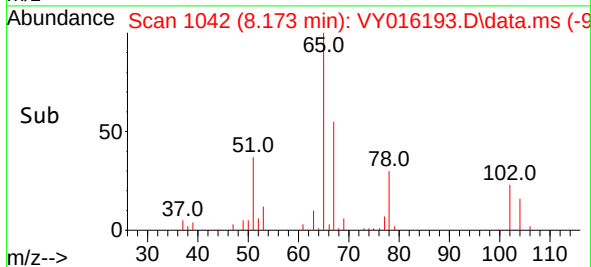
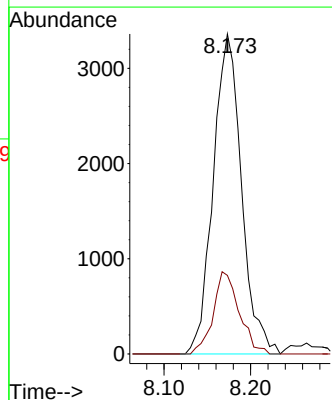
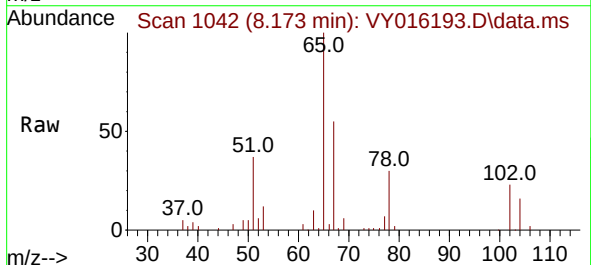
Instrument :
MSVOA_Y
ClientSampleId :
Z-6(5-10)

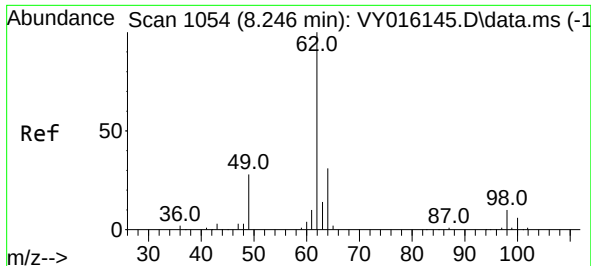
Tgt Ion:113 Resp: 56433
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 19.8 16.9 25.3



#40
Benzene
Concen: 1.508 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 78 Resp: 7620
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#42

1,2-Dichloroethane

Concen: 1.646 ug/l

RT: 8.246 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

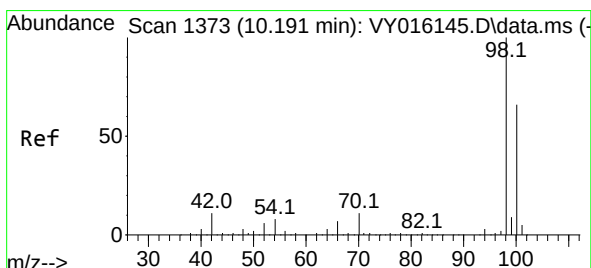
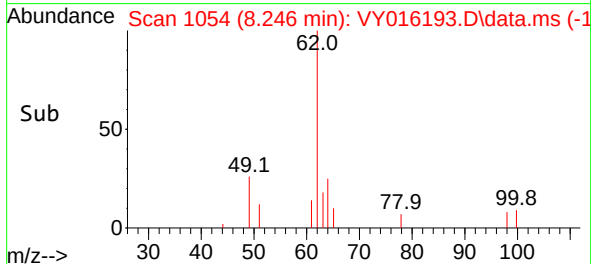
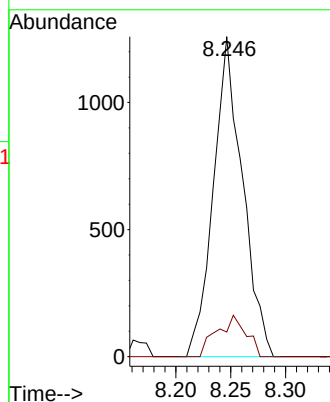
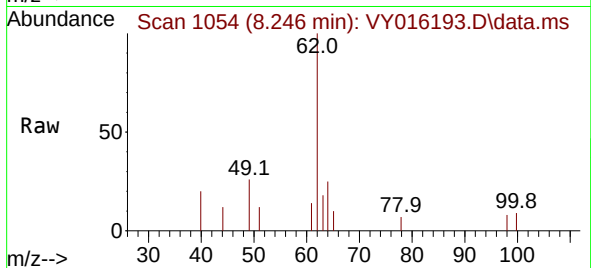
Z-6(5-10)

Tgt Ion: 62 Resp: 2321

Ion Ratio Lower Upper

62 100

98 12.9 0.0 15.8



#50

Toluene-d8

Concen: 48.811 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016193.D

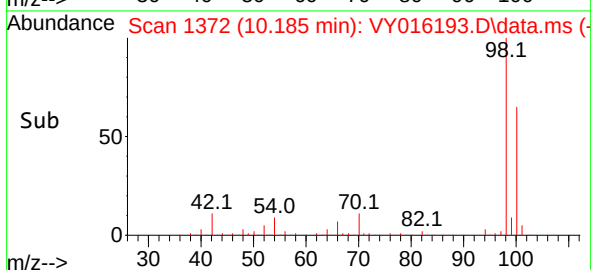
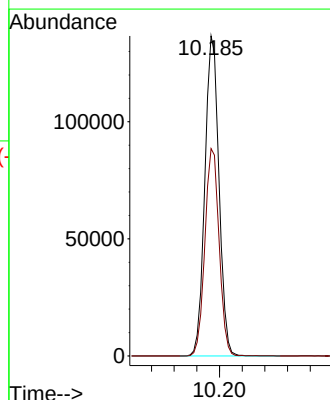
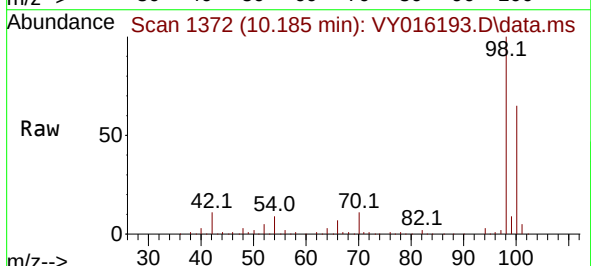
Acq: 02 Nov 2023 16:22

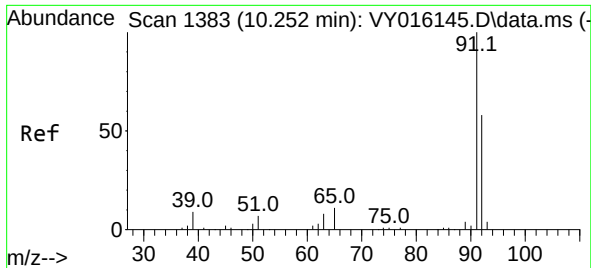
Tgt Ion: 98 Resp: 235890

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1

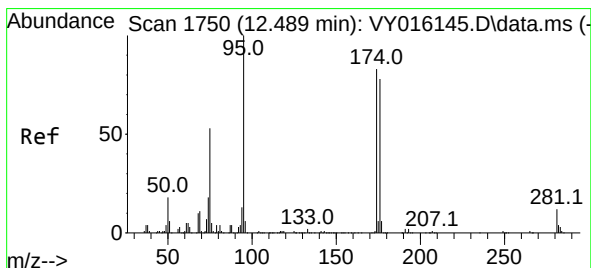
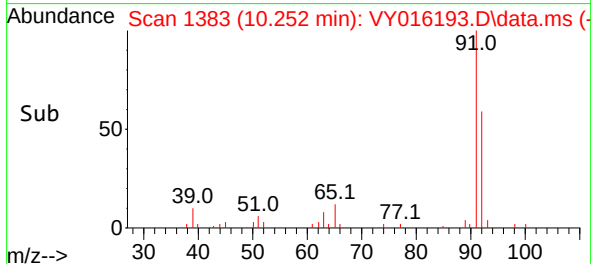
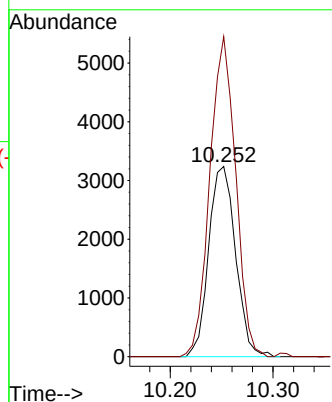
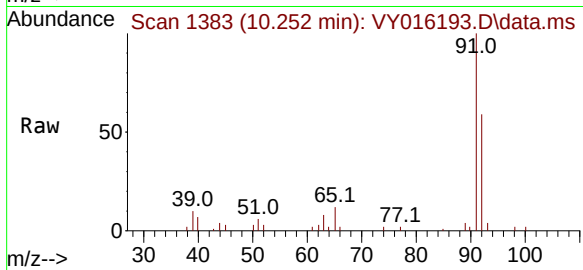




#52
Toluene
Concen: 1.796 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

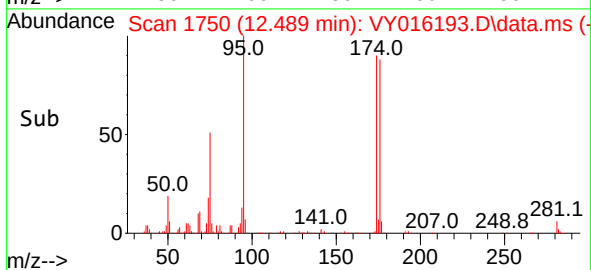
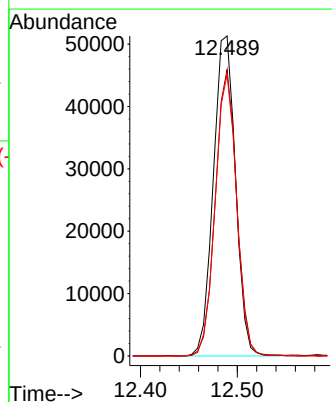
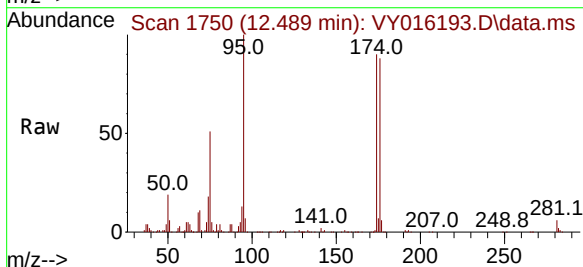
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Z-6(5-10)

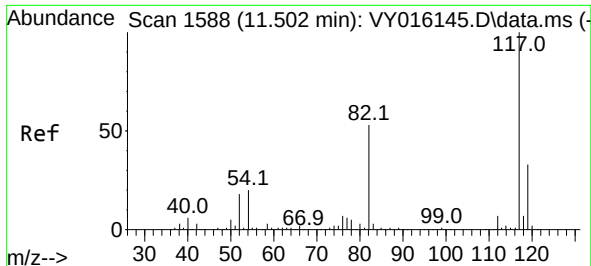
Tgt Ion: 92 Resp: 5882
Ion Ratio Lower Upper
92 100
91 161.7 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 49.447 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 95 Resp: 81713
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 84.7 0.0 173.8

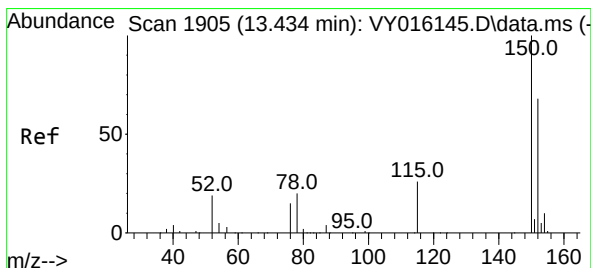
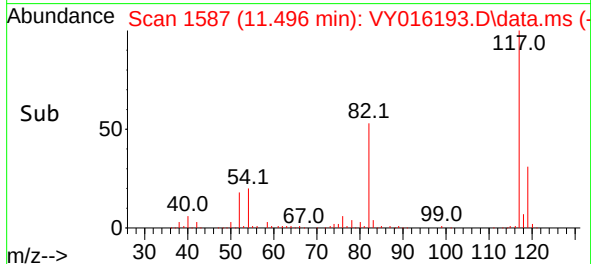
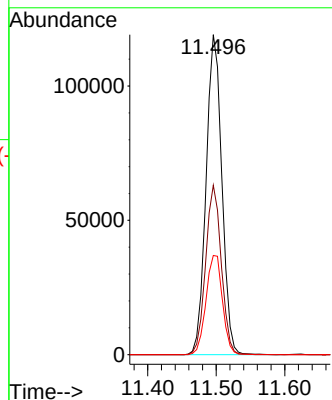
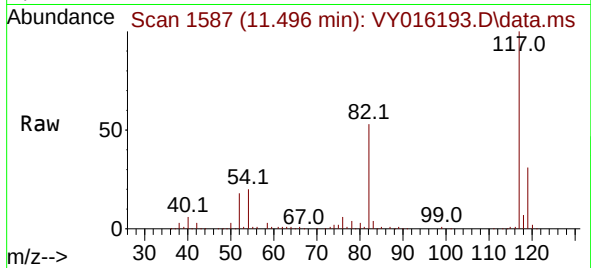




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Instrument :
MSVOA_Y
ClientSampleId :
Z-6(5-10)

Tgt Ion:117 Resp: 190681
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.0 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: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion:152 Resp: 84095
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 156.2 0.0 348.8

