

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041124\
 Data File : VY017910.D
 Acq On : 11 Apr 2024 14:50
 Operator : SY/MD
 Sample : P2070-09
 Misc : 3.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Apr 12 05:01:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

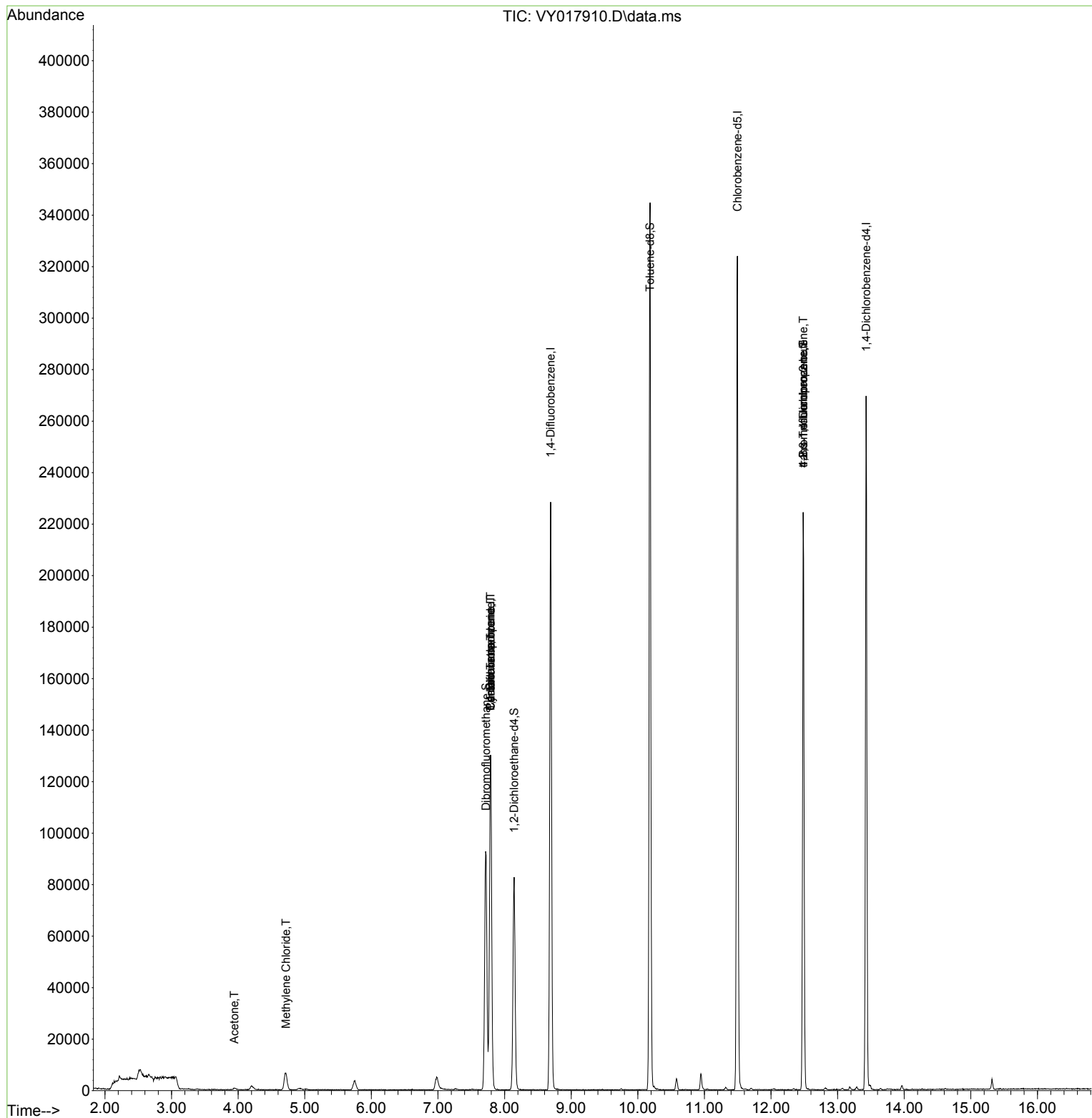
Internal Standards						
1) Pentafluorobenzene	7.789	168	104451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	194762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	179055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	62393	69.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.060%	
35) Dibromofluoromethane	7.722	113	65435	58.143	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.280%	
50) Toluene-d8	10.185	98	226465	53.870	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.740%	
62) 4-Bromofluorobenzene	12.483	95	59705	46.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	699	Below Cal	#	88
16) Acetone	3.942	43	1143	6.118	ug/l	98
20) Methylene Chloride	4.716	84	5409	2.185	ug/l	95
31) Cyclohexane	7.789	56	2235	1.404	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	8120	4.945	ug/l #	47
38) Carbon Tetrachloride	7.789	117	10008	5.871	ug/l #	17
51) 4-Methyl-2-Pentanone	10.063	43	198	Below Cal	#	31
59) 2-Hexanone	10.947	43	50	Below Cal	#	19
69) o-Xylene	12.032	106	45	Below Cal	#	1
70) Styrene	12.044	104	158	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.483	75	33075	53.769	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33075	105.352	ug/l #	16

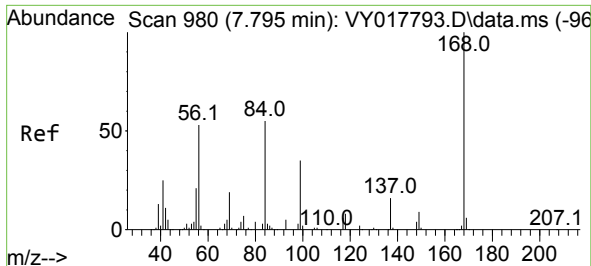
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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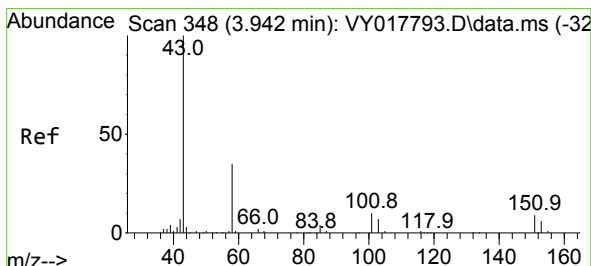
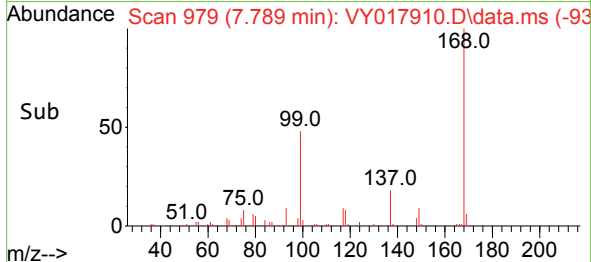
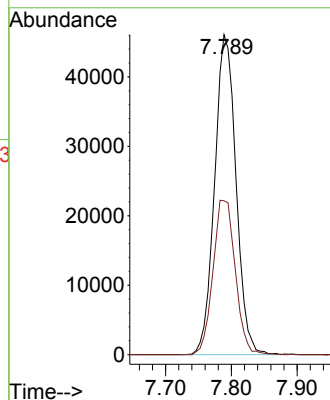
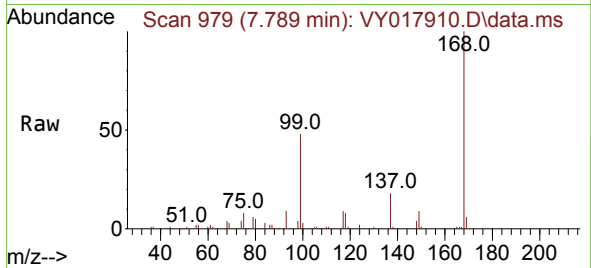




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

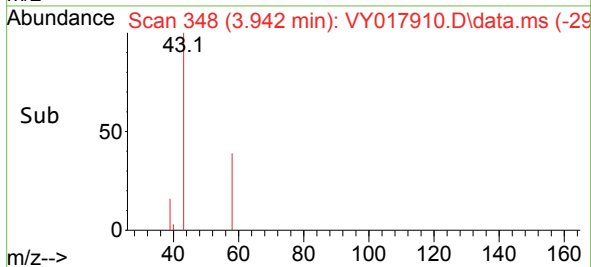
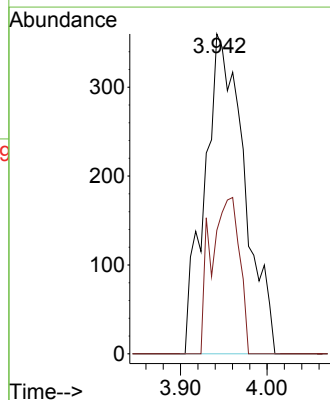
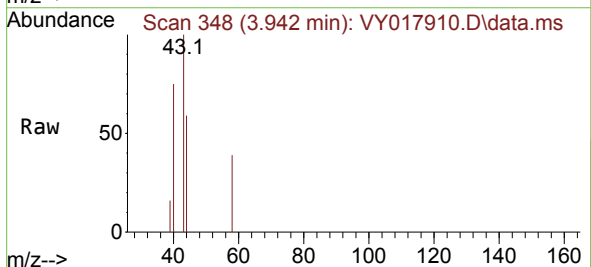
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

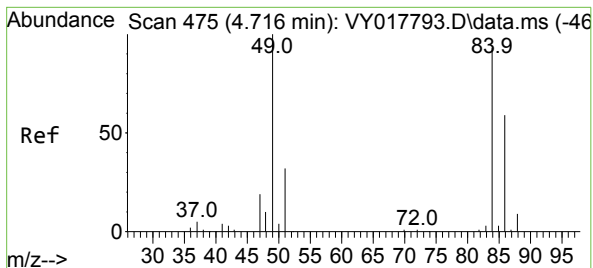
Tgt Ion:168 Resp: 104451
Ion Ratio Lower Upper
168 100
99 48.1 39.1 58.7



#16
Acetone
Concen: 6.118 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 38.6 31.7 47.5





#20

Methylene Chloride

Concen: 2.185 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY017910.D

Acq: 11 Apr 2024 14:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

Tgt Ion: 84 Resp: 5409

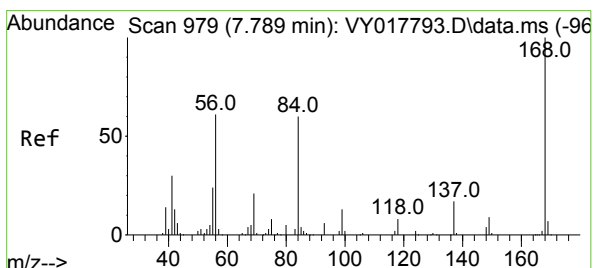
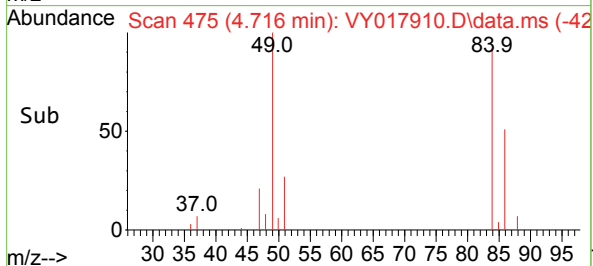
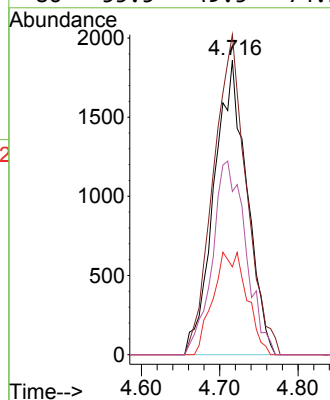
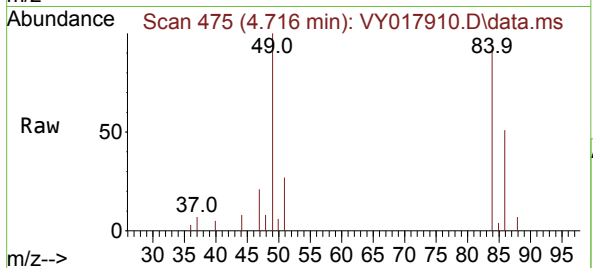
Ion Ratio Lower Upper

84 100

49 108.7 84.4 126.6

51 29.9 26.0 39.0

86 55.5 49.5 74.3



#31

Cyclohexane

Concen: 1.404 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY017910.D

Acq: 11 Apr 2024 14:50

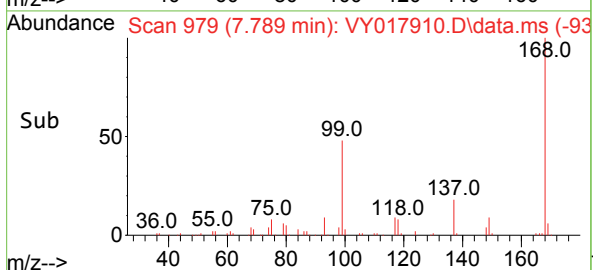
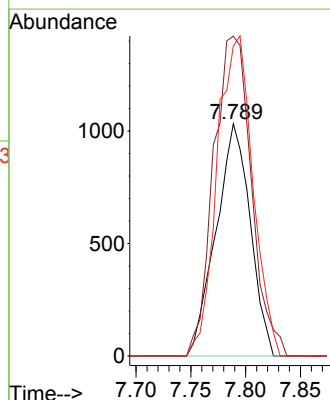
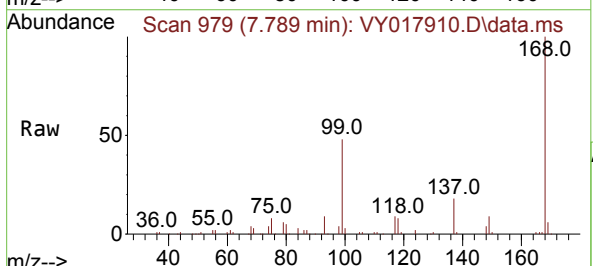
Tgt Ion: 56 Resp: 2235

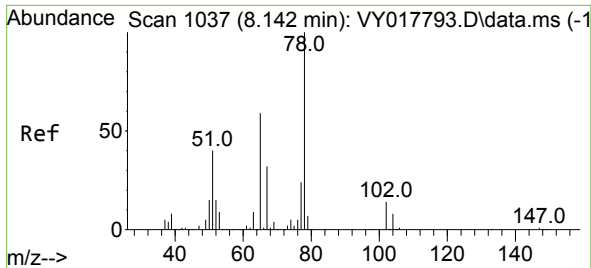
Ion Ratio Lower Upper

56 100

69 137.8 28.7 43.1#

84 133.5 77.7 116.5#

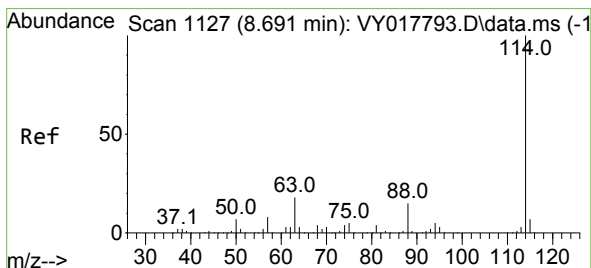
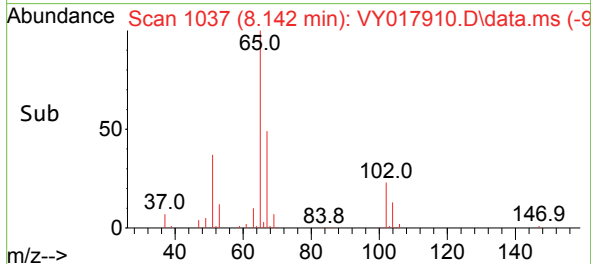
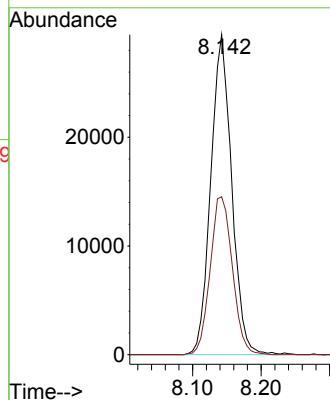
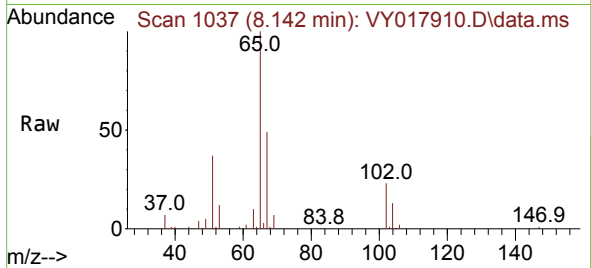




#33
 1,2-Dichloroethane-d4
 Concen: 69.030 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY017910.D
 Acq: 11 Apr 2024 14:50

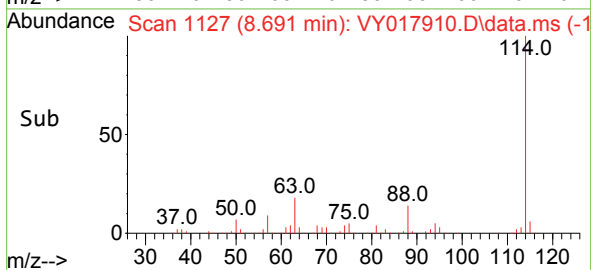
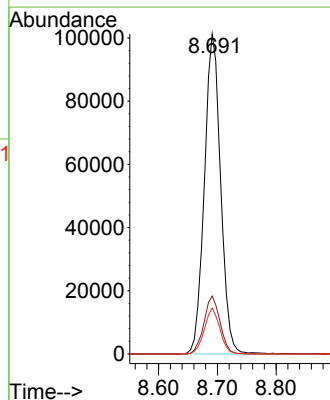
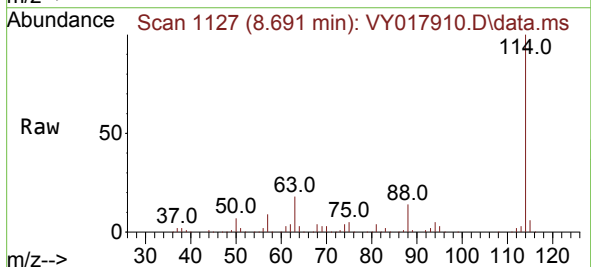
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

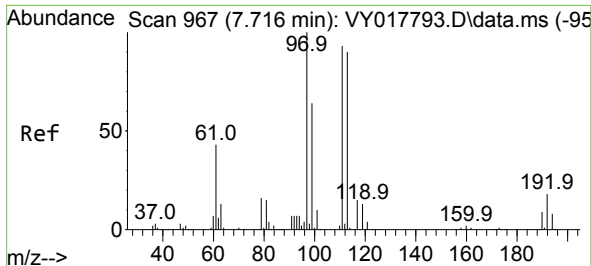
Tgt Ion: 65 Resp: 62393
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY017910.D
 Acq: 11 Apr 2024 14:50

Tgt Ion: 114 Resp: 194762
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.0
 88 14.3 0.0 27.2

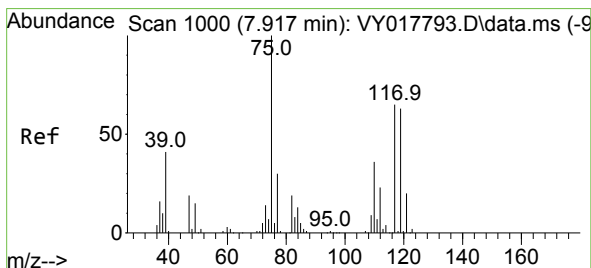
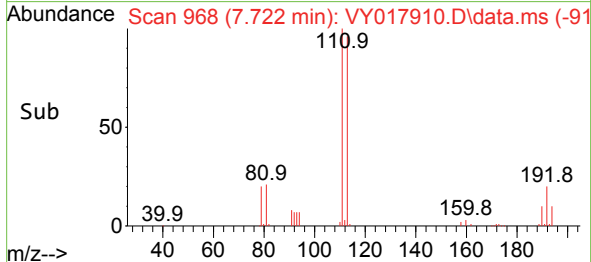
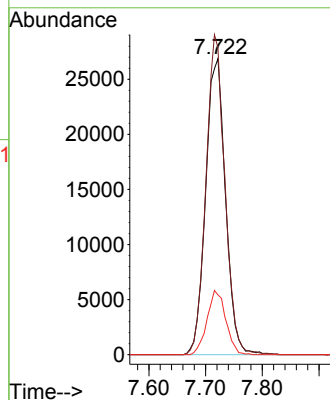
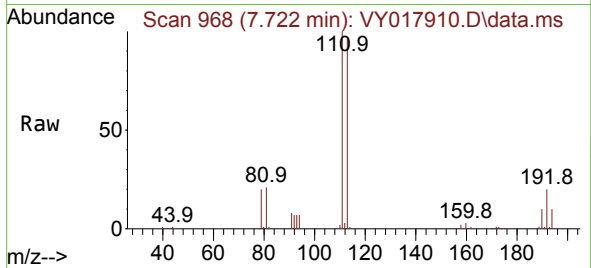




#35
Dibromofluoromethane
Concen: 58.143 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

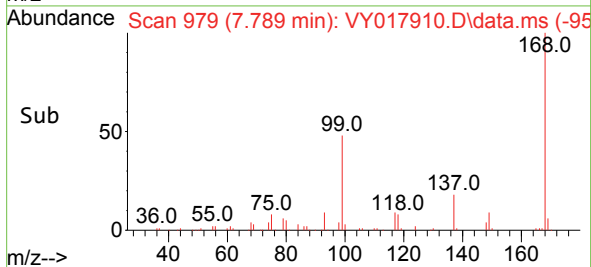
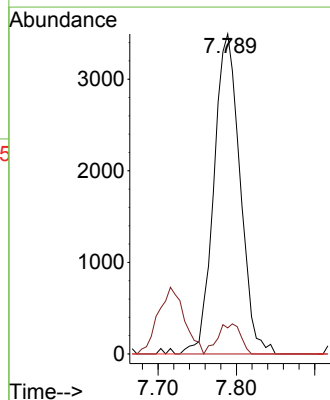
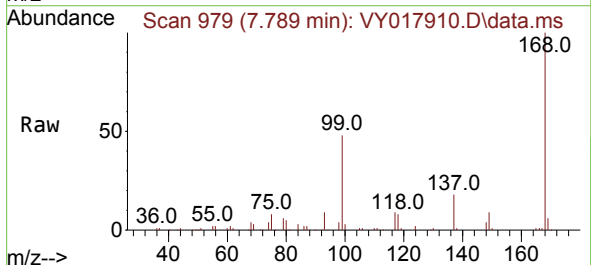
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

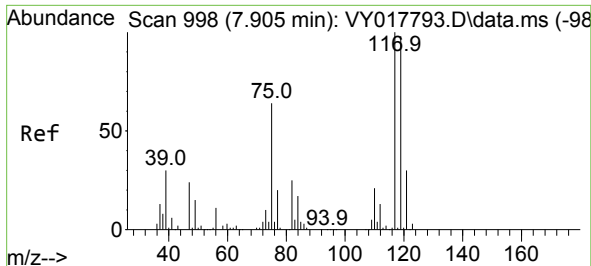
Tgt Ion:113 Resp: 65435
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.945 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

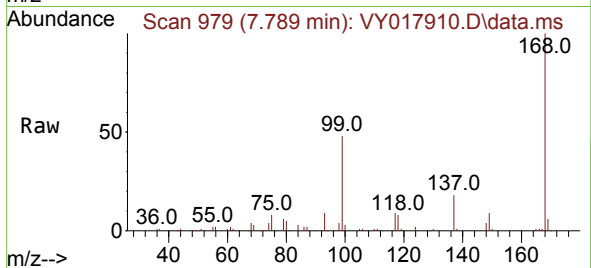
Tgt Ion: 75 Resp: 8120
Ion Ratio Lower Upper
75 100
110 8.2 19.0 57.0#
77 0.0 25.3 37.9#



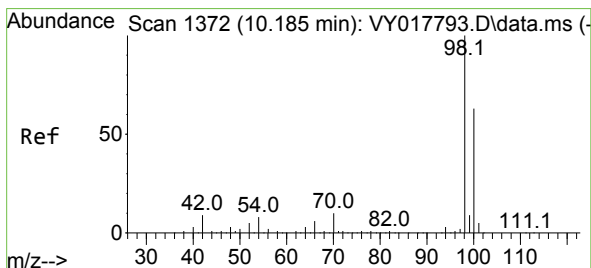
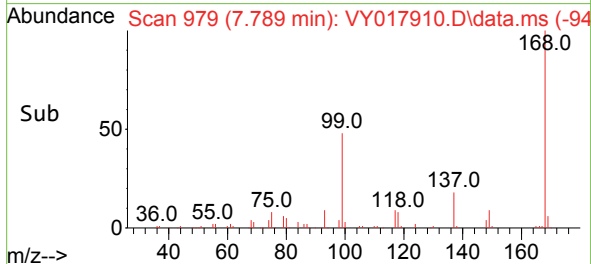
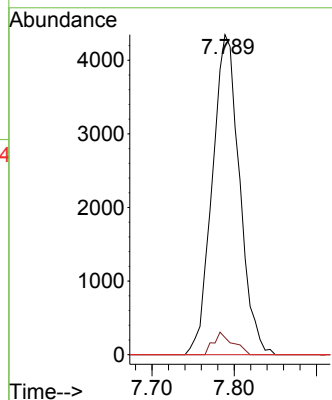


#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

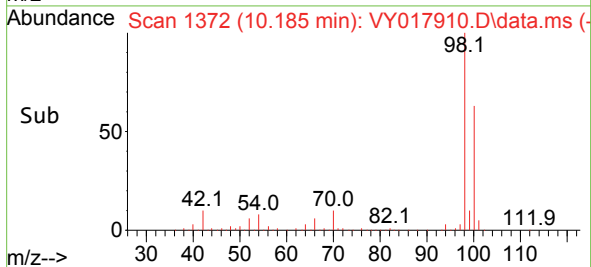
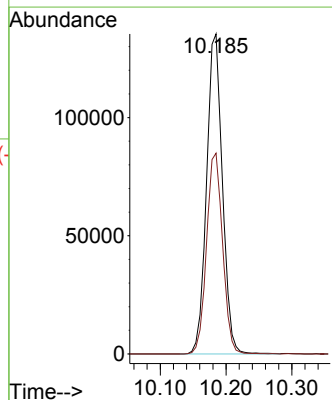
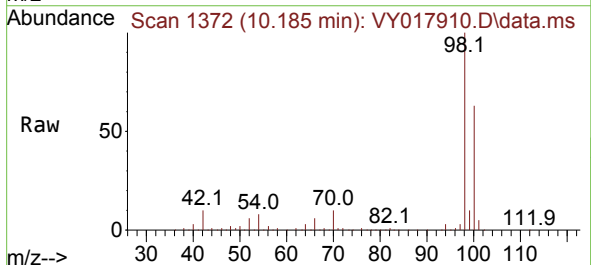


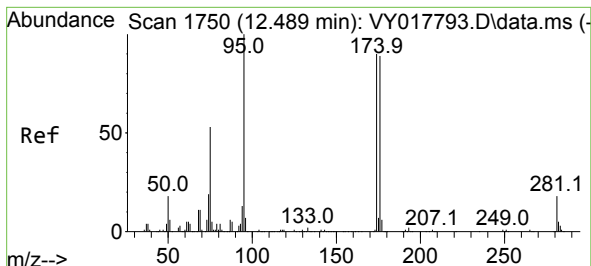
Tgt Ion:117 Resp: 10008
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 53.870 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

Tgt Ion: 98 Resp: 226465
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

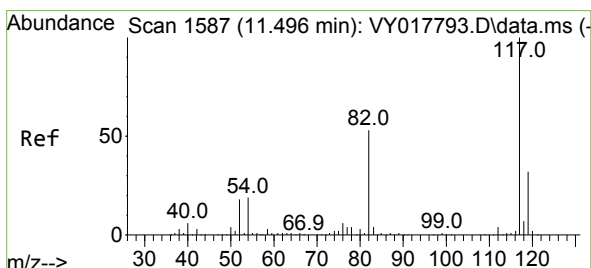
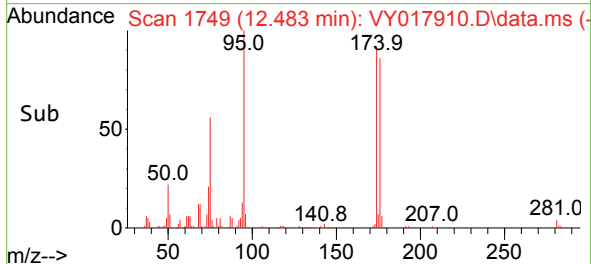
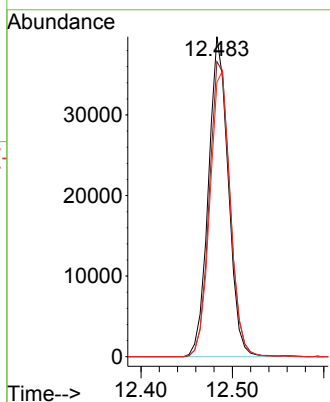
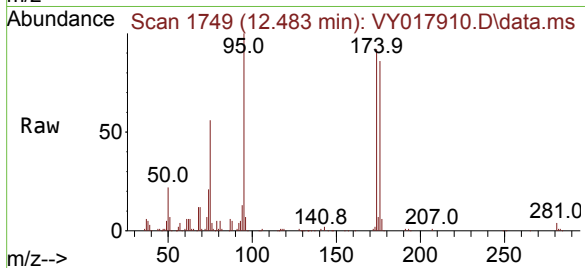




#62
4-Bromofluorobenzene
Concen: 46.679 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

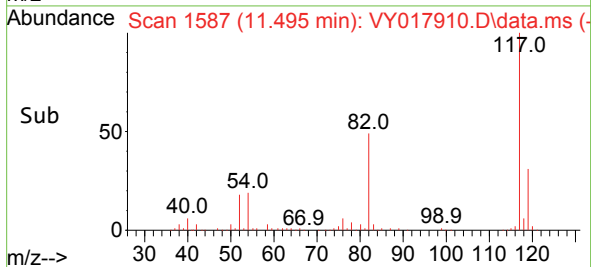
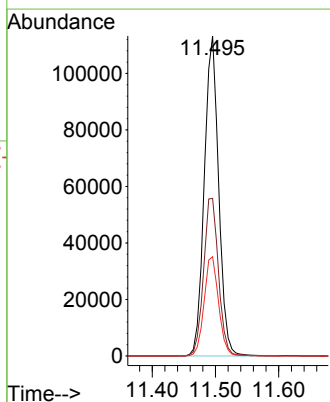
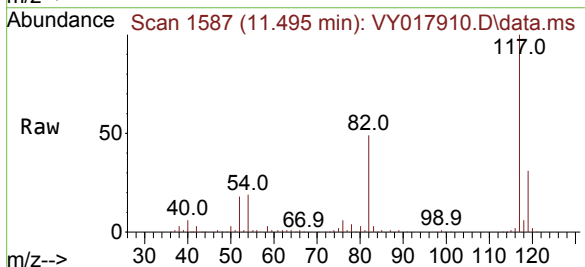
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

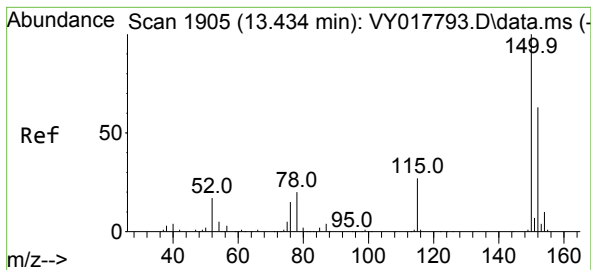
Tgt Ion: 95 Resp: 59705
Ion Ratio Lower Upper
95 100
174 96.1 0.0 175.6
176 92.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY017910.D
Acq: 11 Apr 2024 14:50

Tgt Ion: 117 Resp: 179055
Ion Ratio Lower Upper
117 100
82 49.3 42.4 63.6
119 31.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017910.D

Acq: 11 Apr 2024 14:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

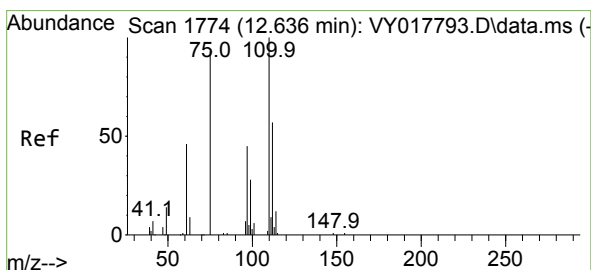
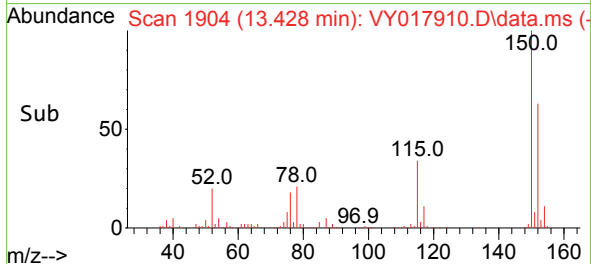
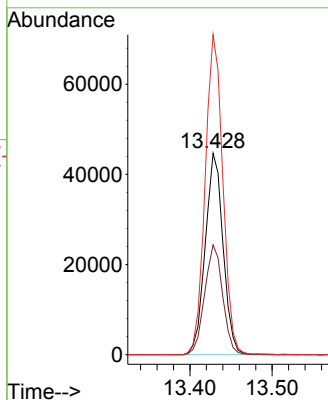
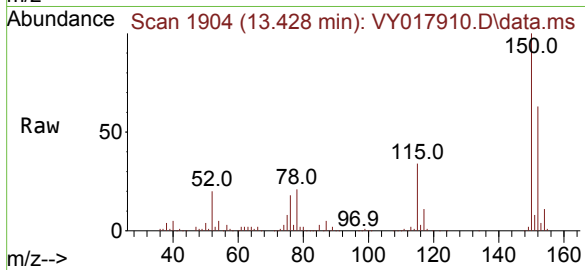
Tgt Ion:152 Resp: 67503

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 157.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 53.769 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY017910.D

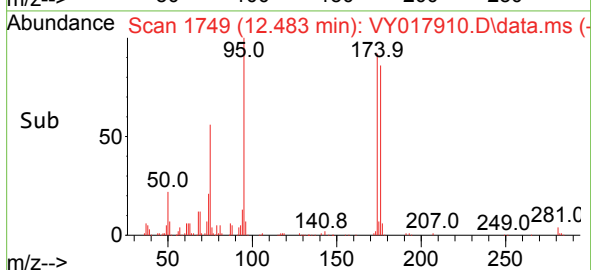
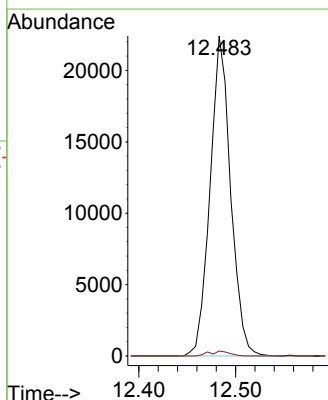
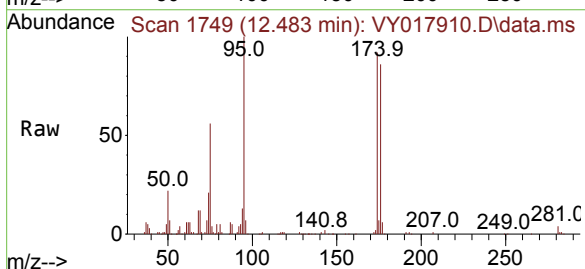
Acq: 11 Apr 2024 14:50

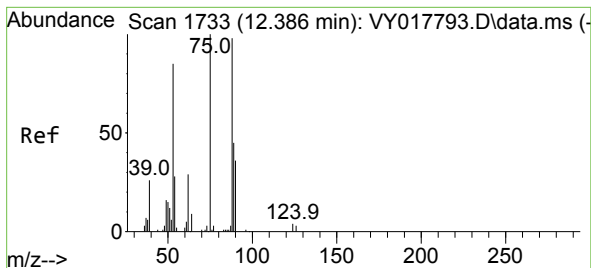
Tgt Ion: 75 Resp: 33075

Ion Ratio Lower Upper

75 100

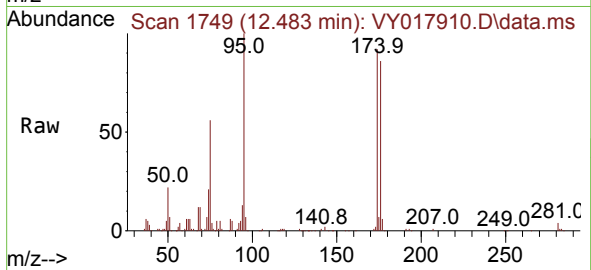
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.352 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY017910.D
 Acq: 11 Apr 2024 14:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5



Tgt Ion: 75 Resp: 33075
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

