

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011724\
 Data File : VY017023.D
 Acq On : 17 Jan 2024 20:02
 Operator : SY/MD
 Sample : P1156-02
 Misc : 3.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 18 00:47:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

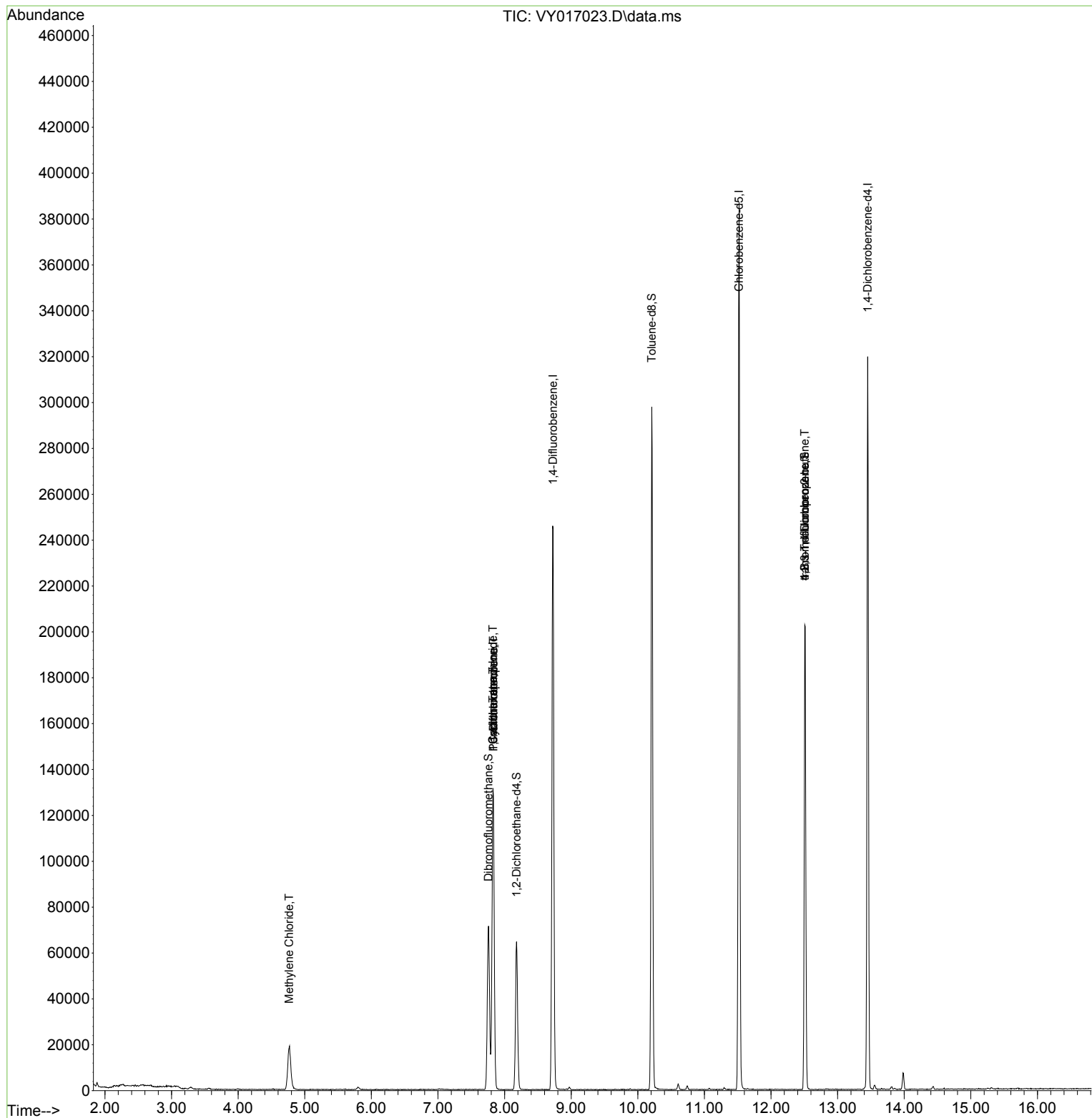
Internal Standards						
1) Pentafluorobenzene	7.832	168	100765	50.000	ug/l	0.03
34) 1,4-Difluorobenzene	8.728	114	217734	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.520	117	209115	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.452	152	79138	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	49371	49.573	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.140%
35) Dibromofluoromethane	7.758	113	51771	37.313	ug/l	0.03
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.620%
50) Toluene-d8	10.209	98	192107	40.208	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.420%
62) 4-Bromofluorobenzene	12.508	95	61116	37.914	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.003	59	49	Below Cal	#	75
16) Acetone	3.991	43	400	Below Cal		92
20) Methylene Chloride	4.765	84	14847	5.060	ug/l	92
31) Cyclohexane	7.825	56	2345	1.372	ug/l #	1
36) 1,1-Dichloropropene	7.832	75	8557	4.232	ug/l #	49
38) Carbon Tetrachloride	7.825	117	10673	5.195	ug/l #	17
76) 1,2,3-Trichloropropane	12.508	75	31900	37.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.508	75	31900	84.347	ug/l #	12

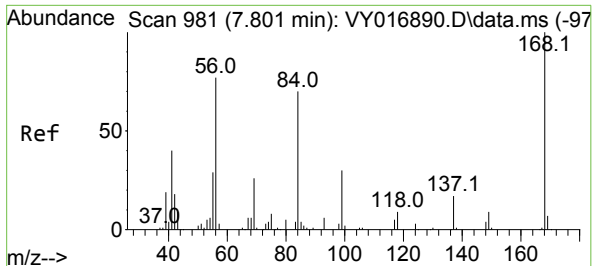
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

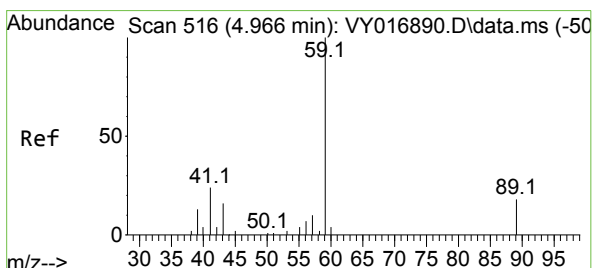
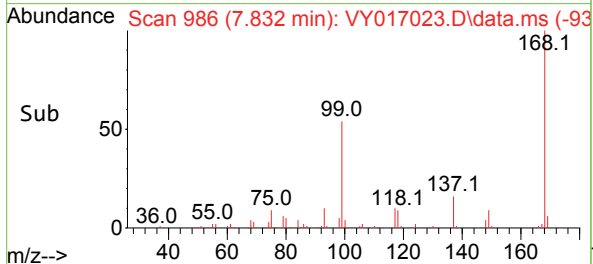
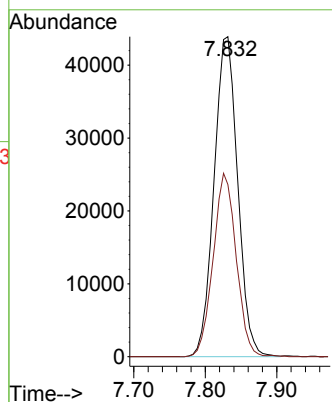
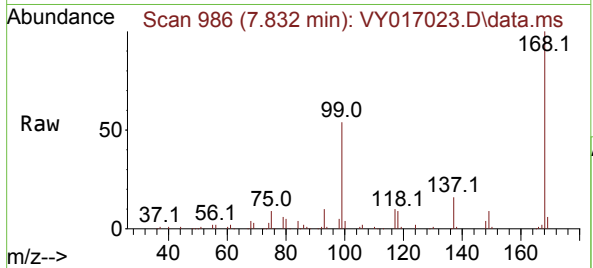




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.832 min Scan# 91
Delta R.T. 0.031 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

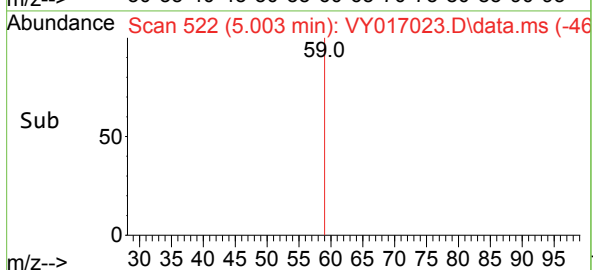
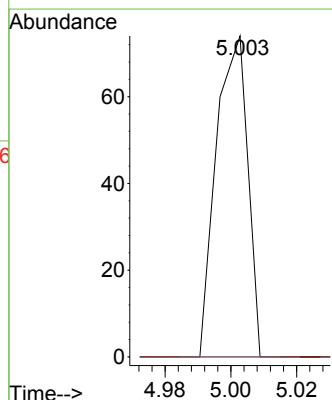
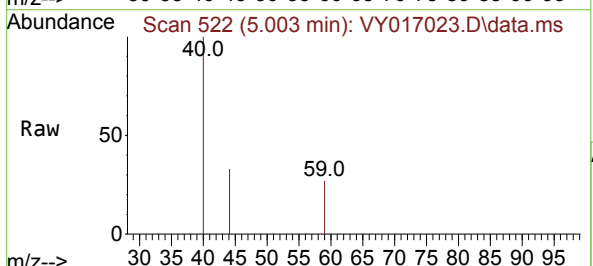
Instrument :
MSVOA_Y
ClientSampleId :

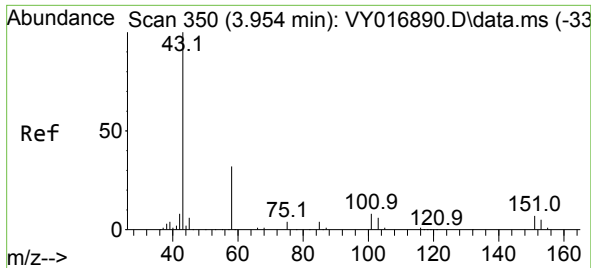
Tgt Ion:168 Resp: 100765
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.003 min Scan# 522
Delta R.T. 0.037 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

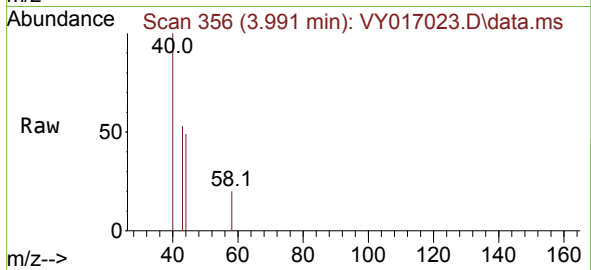
Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



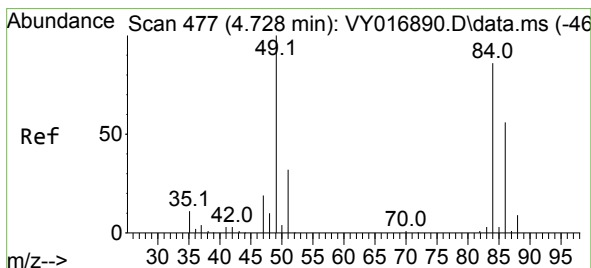
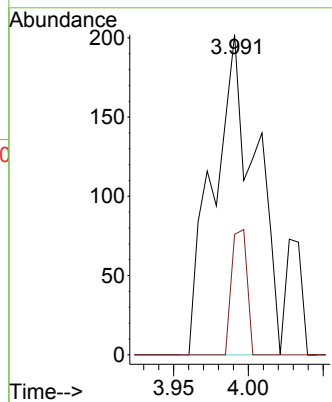
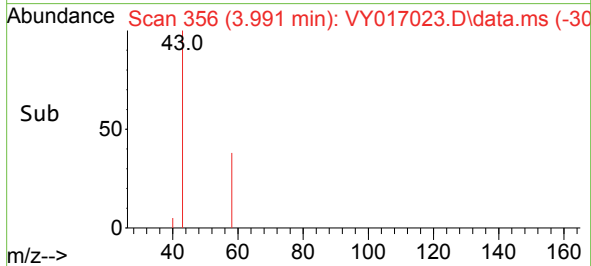


#16
Acetone
Concen: Below Cal
RT: 3.991 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

Instrument :
MSVOA_Y
ClientSampleId :

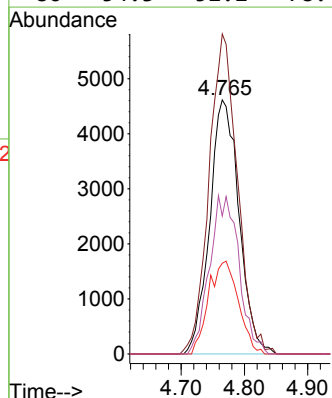
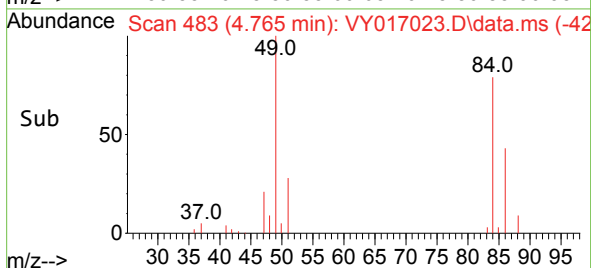
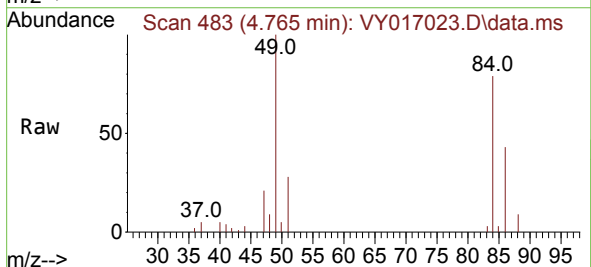


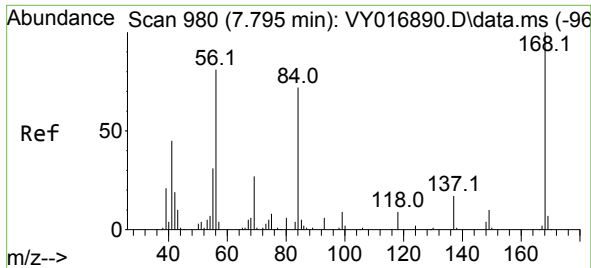
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 37.6 26.6 39.8



#20
Methylene Chloride
Concen: 5.060 ug/l
RT: 4.765 min Scan# 483
Delta R.T. 0.031 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

Tgt Ion: 84 Resp: 14847
Ion Ratio Lower Upper
84 100
49 125.9 95.2 142.8
51 35.7 29.9 44.9
86 54.3 52.2 78.4

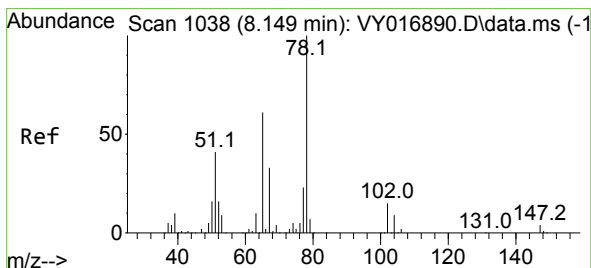
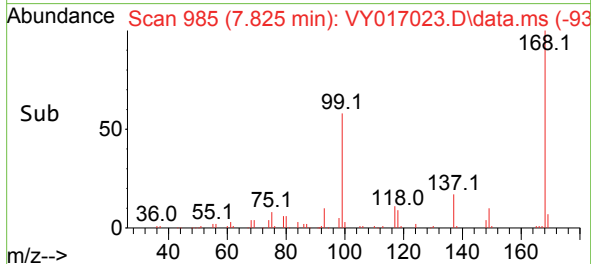
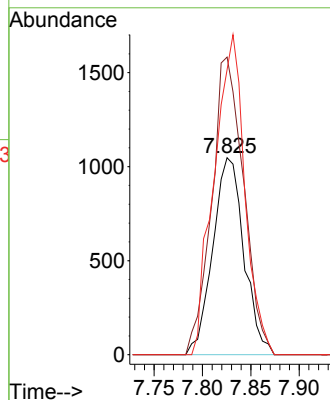
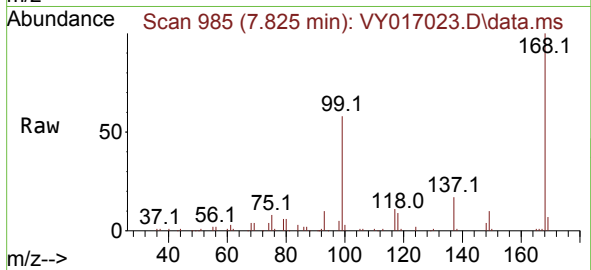




#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

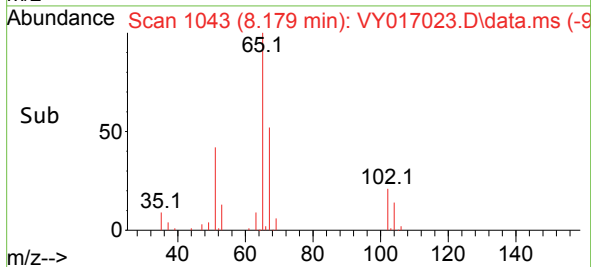
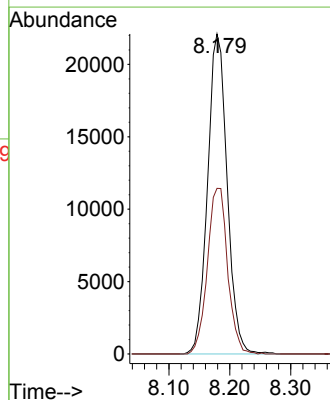
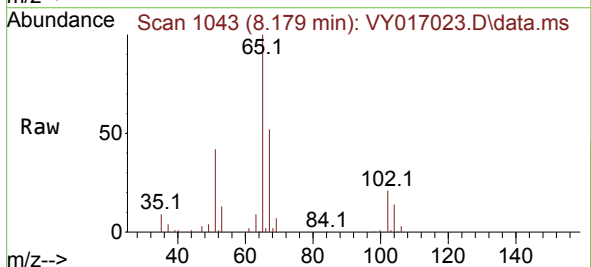
Instrument :
MSVOA_Y
ClientSampleId :

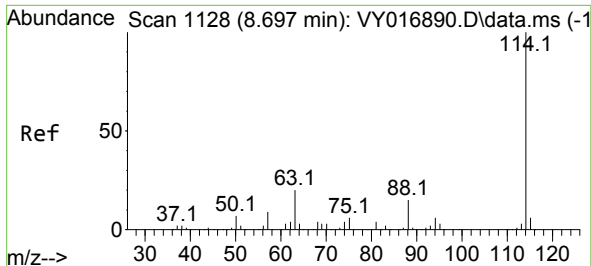
Tgt Ion: 56 Resp: 2345
Ion Ratio Lower Upper
56 100
69 151.0 27.0 40.6#
84 144.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.573 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.024 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

Tgt Ion: 65 Resp: 49371
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.0

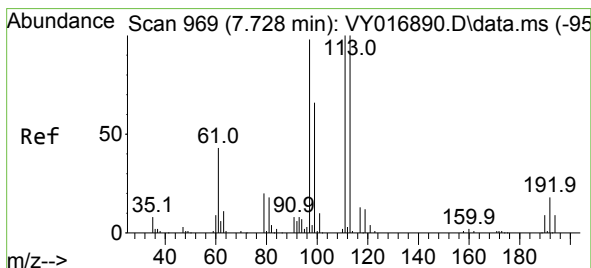
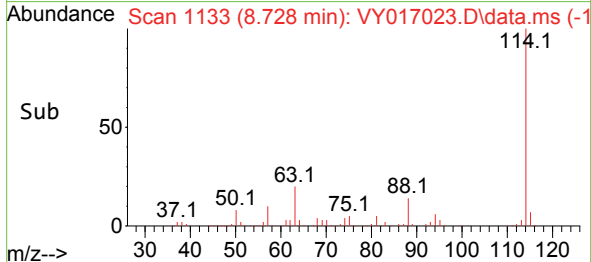
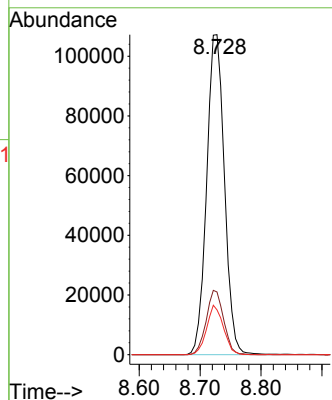
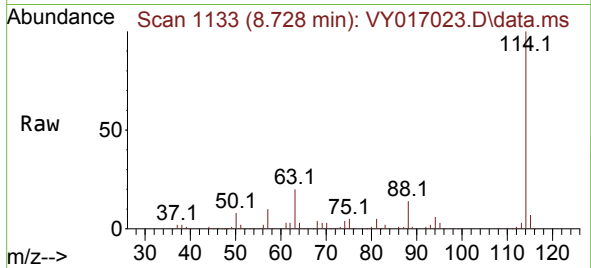




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.728 min Scan# 1128
Delta R.T. 0.025 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

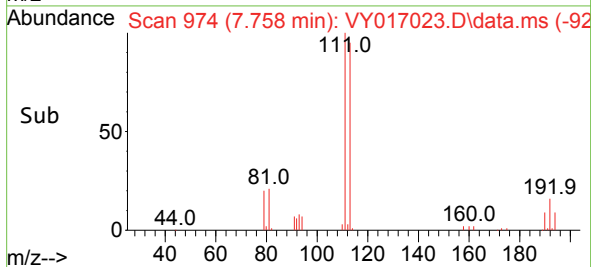
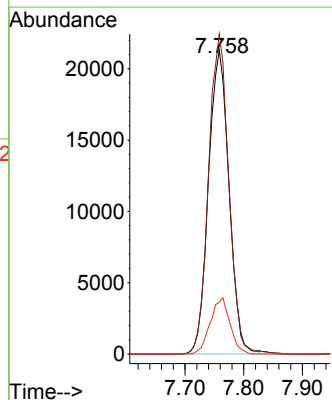
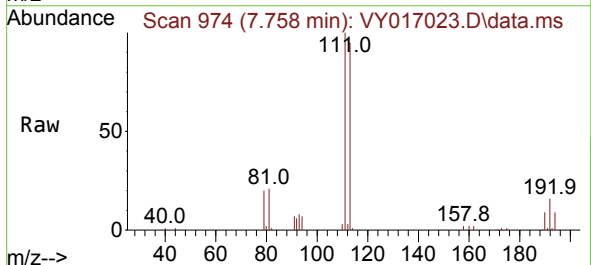
Instrument :
MSVOA_Y
ClientSampleId :

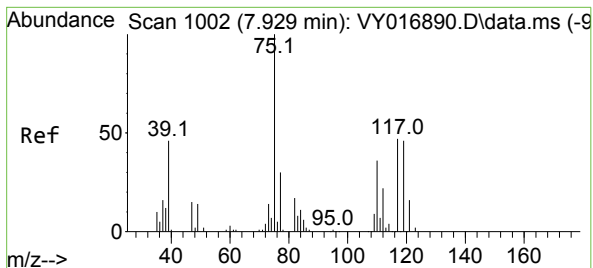
Tgt Ion:114 Resp: 217734
Ion Ratio Lower Upper
114 100
63 19.6 0.0 37.4
88 14.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 37.313 ug/l
RT: 7.758 min Scan# 974
Delta R.T. 0.030 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

Tgt Ion:113 Resp: 51771
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 17.7 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.232 ug/l

RT: 7.832 min Scan# 91

Delta R.T. -0.097 min

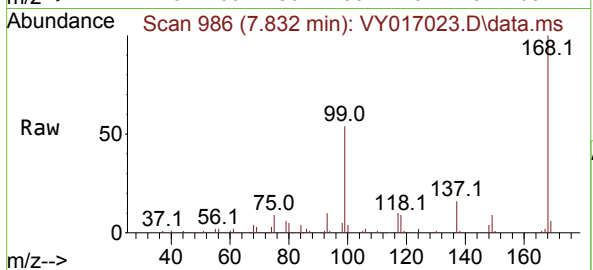
Lab File: VY017023.D

Acq: 17 Jan 2024 20:02

Instrument :

MSVOA_Y

ClientSampleId :



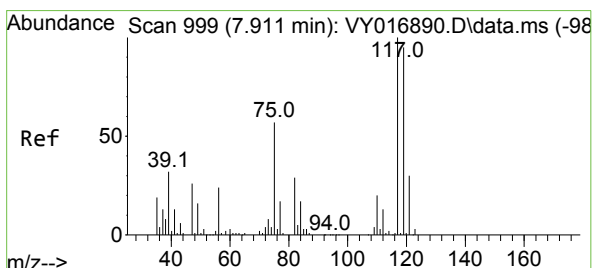
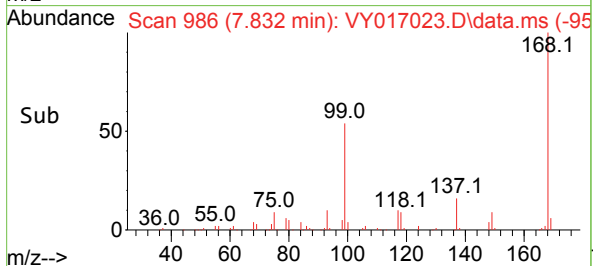
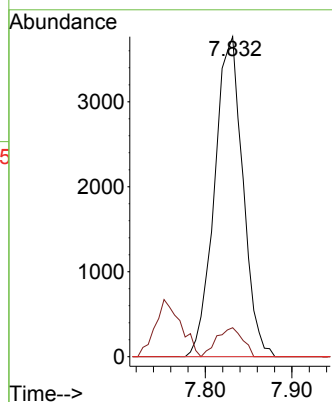
Tgt Ion: 75 Resp: 8557

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.195 ug/l

RT: 7.825 min Scan# 985

Delta R.T. -0.092 min

Lab File: VY017023.D

Acq: 17 Jan 2024 20:02

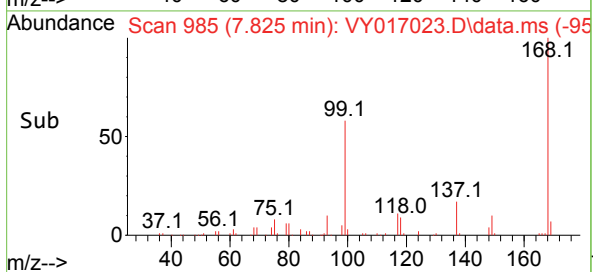
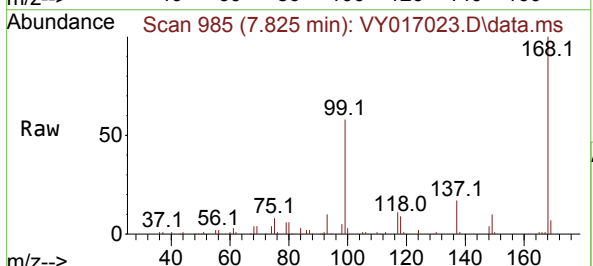
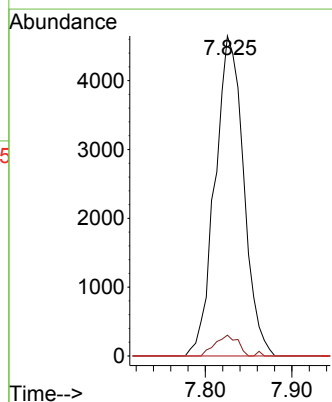
Tgt Ion: 117 Resp: 10673

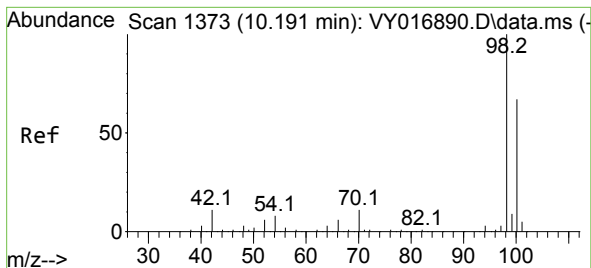
Ion Ratio Lower Upper

117 100

119 6.5 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 40.208 ug/l

RT: 10.209 min Scan# 1

Delta R.T. 0.018 min

Lab File: VY017023.D

Acq: 17 Jan 2024 20:02

Instrument :

MSVOA_Y

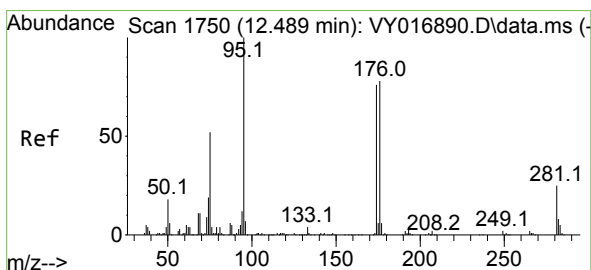
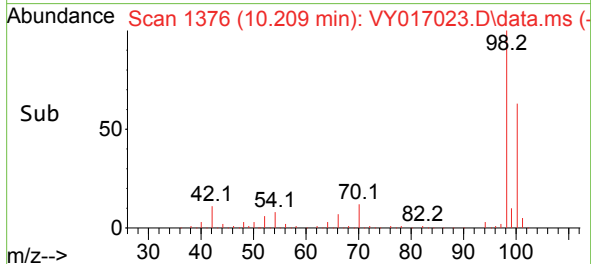
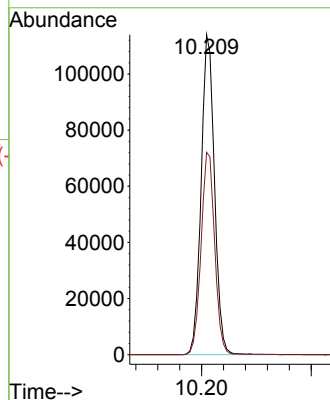
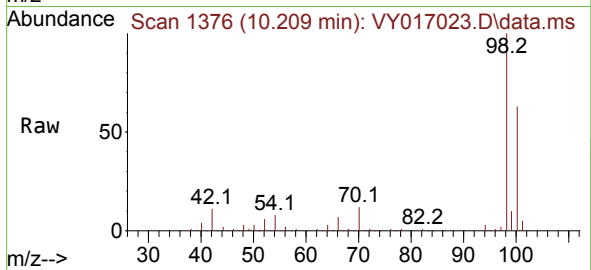
ClientSampleId :

Tgt Ion: 98 Resp: 192107

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 37.914 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. 0.019 min

Lab File: VY017023.D

Acq: 17 Jan 2024 20:02

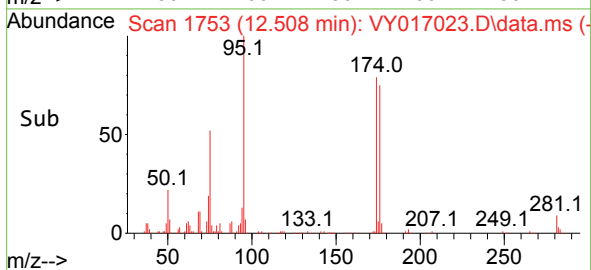
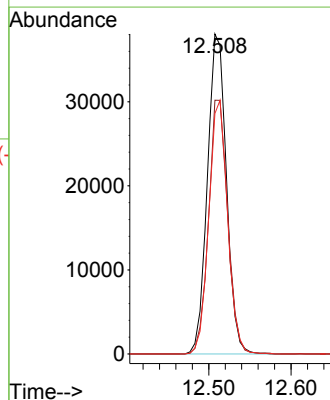
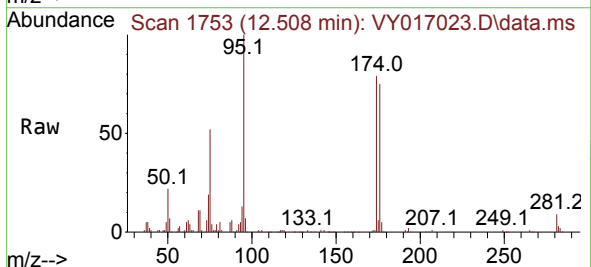
Tgt Ion: 95 Resp: 61116

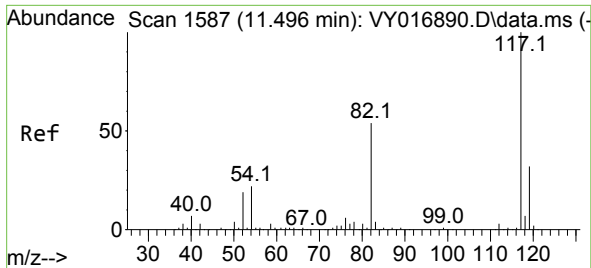
Ion Ratio Lower Upper

95 100

174 79.7 0.0 160.0

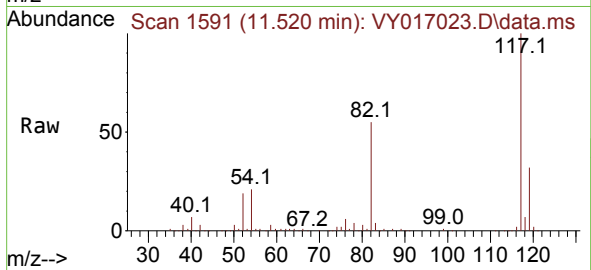
176 78.3 0.0 151.8



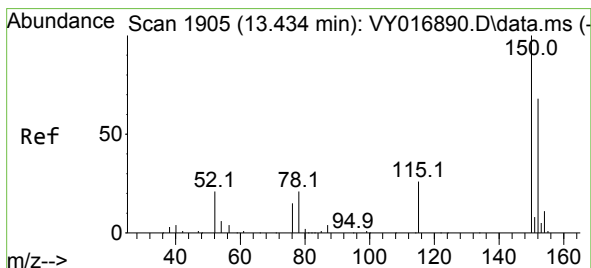
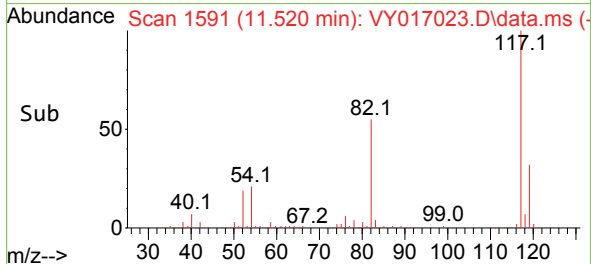
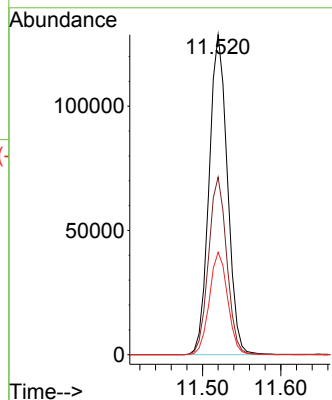


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.520 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

Instrument :
MSVOA_Y
ClientSampleId :

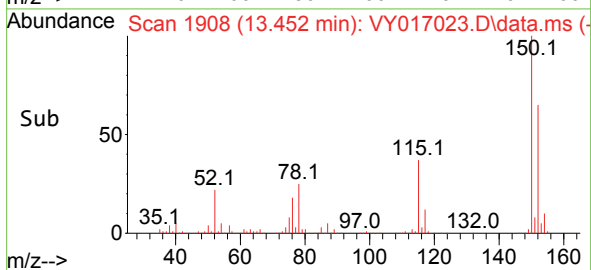
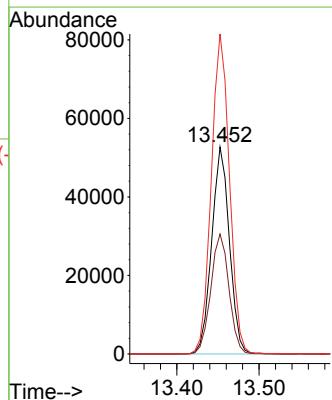
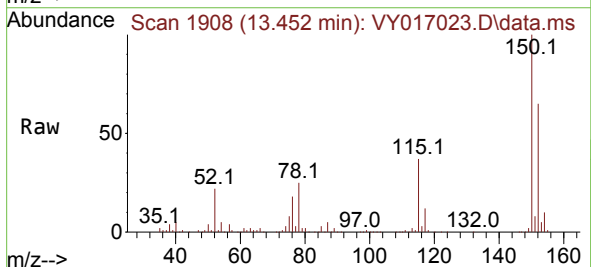


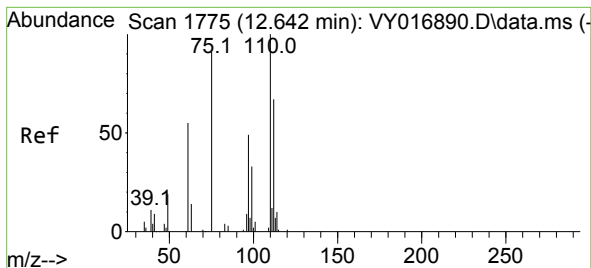
Tgt Ion:117 Resp: 209115
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.8
119 32.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.452 min Scan# 1908
Delta R.T. 0.018 min
Lab File: VY017023.D
Acq: 17 Jan 2024 20:02

Tgt Ion:152 Resp: 79138
Ion Ratio Lower Upper
152 100
115 59.3 30.0 90.0
150 157.8 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 37.145 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. -0.134 min

Lab File: VY017023.D

Acq: 17 Jan 2024 20:02

Instrument :

MSVOA_Y

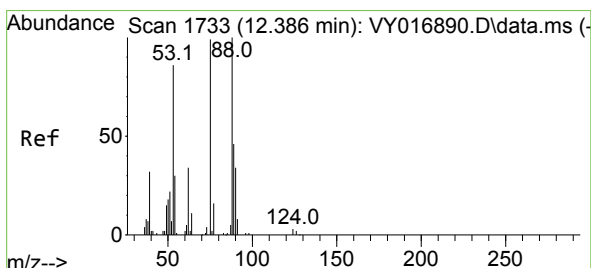
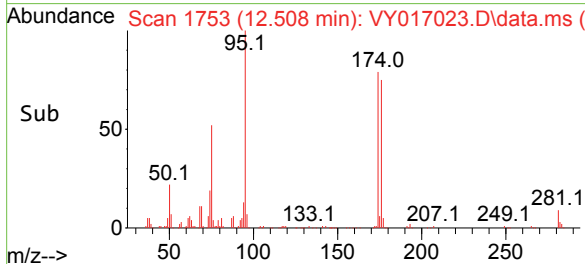
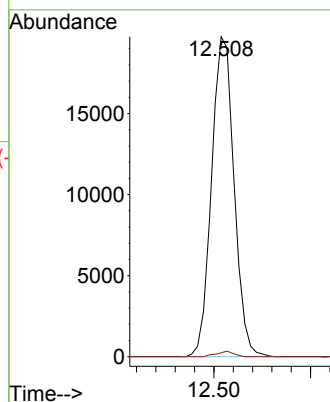
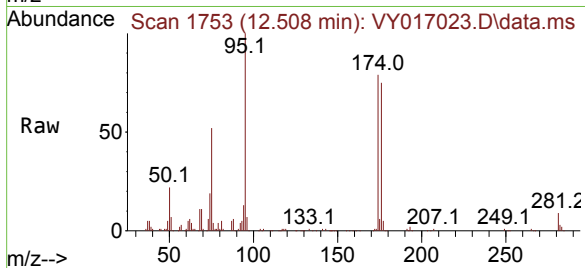
ClientSampleId :

Tgt Ion: 75 Resp: 31900

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.347 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. 0.123 min

Lab File: VY017023.D

Acq: 17 Jan 2024 20:02

Tgt Ion: 75 Resp: 31900

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.2 36.5 54.7#

