

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015866.D
 Acq On : 06 Oct 2023 16:46
 Operator : SY/MD
 Sample : 04767-07
 Misc : 4.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:29:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

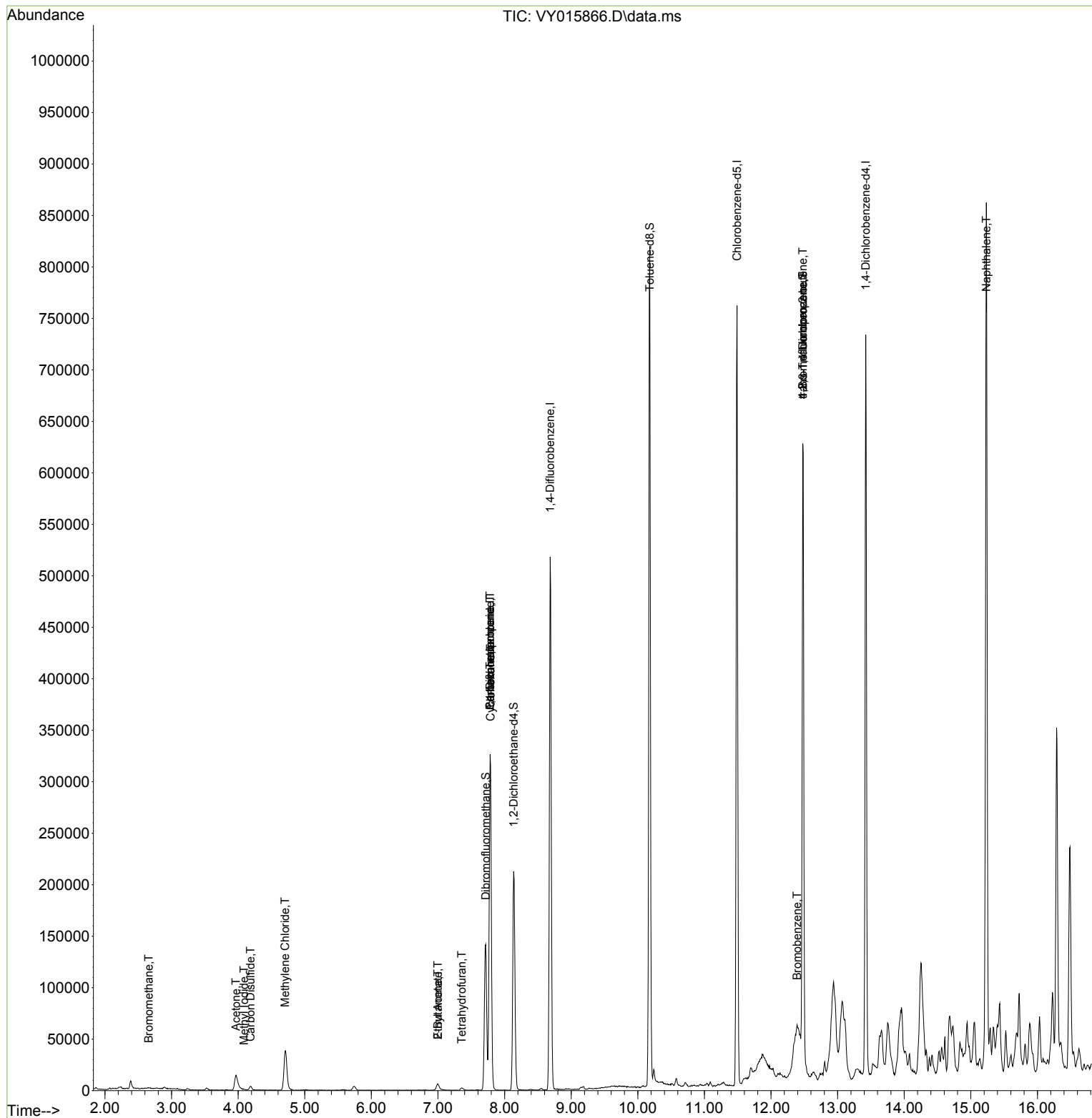
Internal Standards						
1) Pentafluorobenzene	7.782	168	257131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	448257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	164030	64.840	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.680%	
35) Dibromofluoromethane	7.715	113	103756	40.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.220%	
50) Toluene-d8	10.178	98	532594	64.202	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 128.400%	
62) 4-Bromofluorobenzene	12.477	95	185400	54.676	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.655	94	381	1.148	ug/l	85
10) Methyl Iodide	4.088	142	76	3.135	ug/l #	38
11) Tert butyl alcohol	4.972	59	346	Below Cal	#	89
16) Acetone	3.966	43	35196	26.854	ug/l	92
17) Carbon Disulfide	4.186	76	7629	5.715	ug/l #	90
20) Methylene Chloride	4.704	84	30221	4.633	ug/l	87
25) 2-Butanone	6.996	43	8599	4.770	ug/l	99
29) Tetrahydrofuran	7.356	42	1933	1.922	ug/l #	78
31) Cyclohexane	7.789	56	5214	1.829	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	19567	6.419	ug/l #	51
37) Ethyl Acetate	6.996	43	8599	2.521	ug/l #	72
38) Carbon Tetrachloride	7.782	117	25056	6.991	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	97507	36.397	ug/l #	100
77) Bromobenzene	12.391	156	85362	29.434	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	97507	84.254	ug/l #	11
95) Naphthalene	15.232	128	675364	71.159	ug/l	99

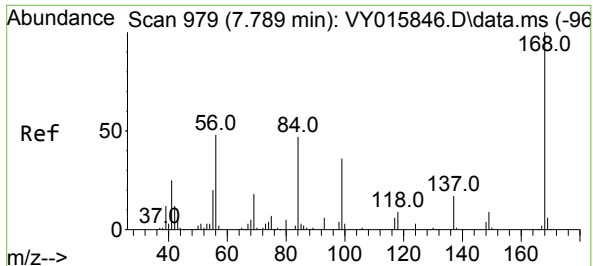
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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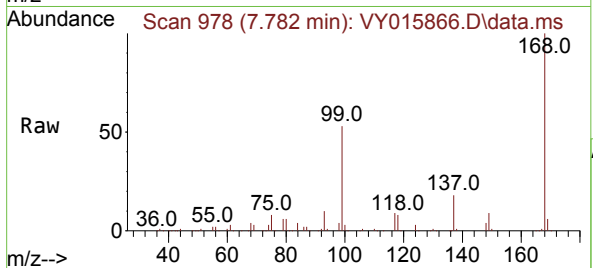
Quant Time: Oct 07 07:29:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 2023
Response via : Initial Calibration



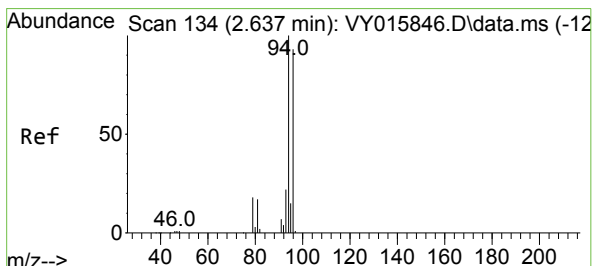
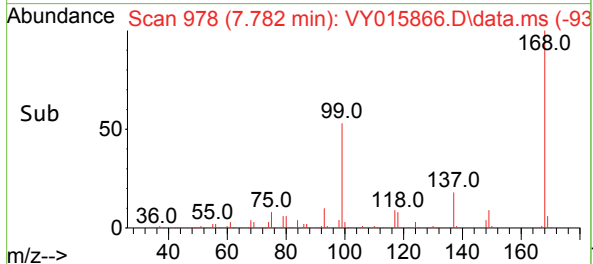
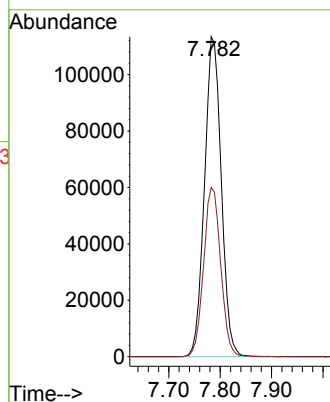


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

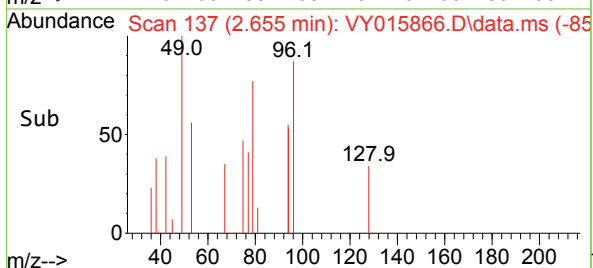
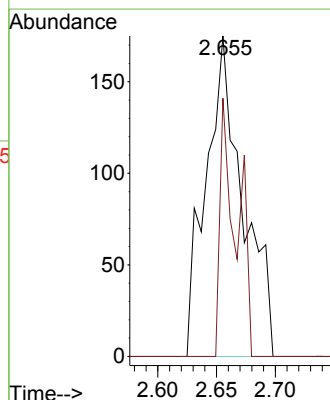
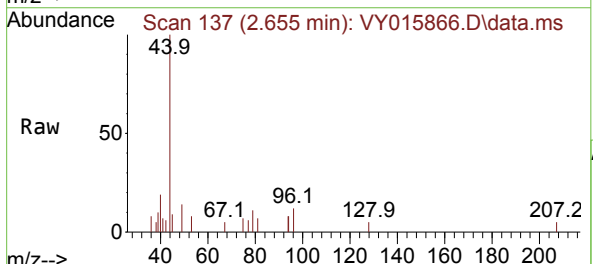


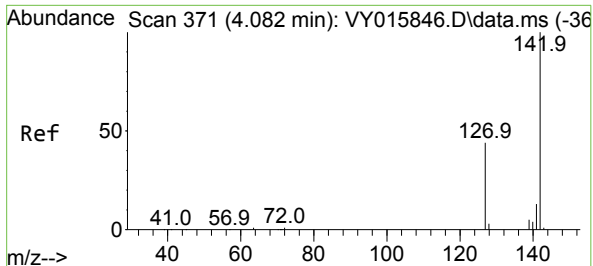
Tgt Ion:168 Resp: 257131
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#5
Bromomethane
Concen: 1.148 ug/l
RT: 2.655 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 80.6 75.8 113.6

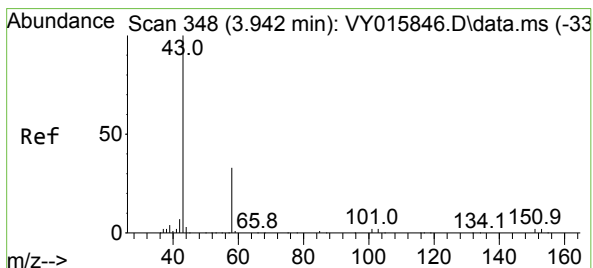
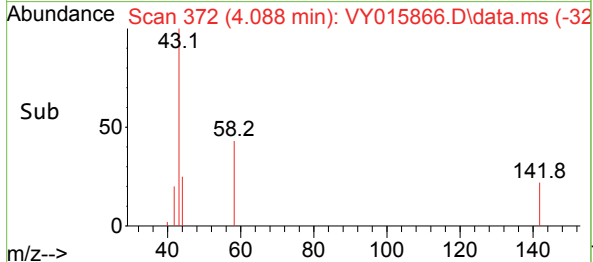
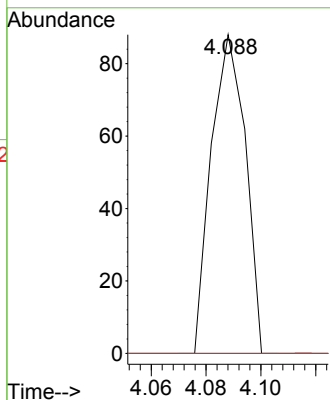
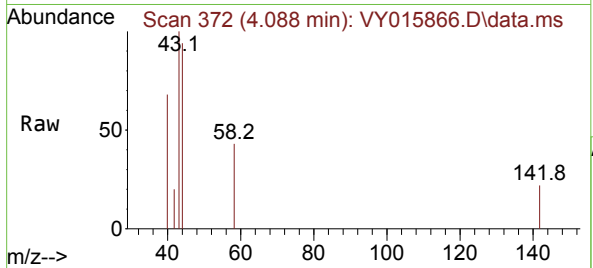




#10
Methyl Iodide
Concen: 3.135 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

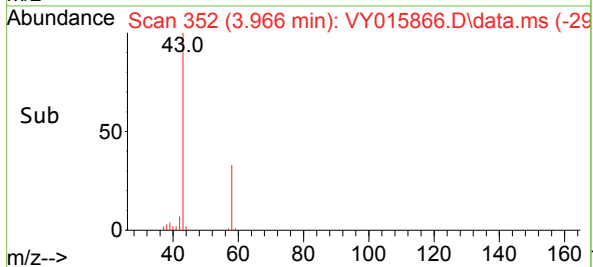
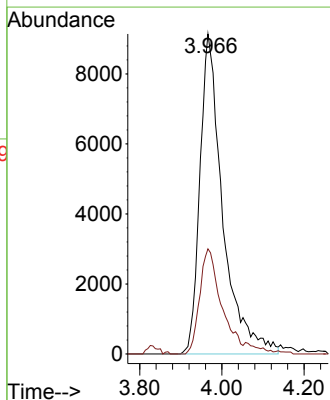
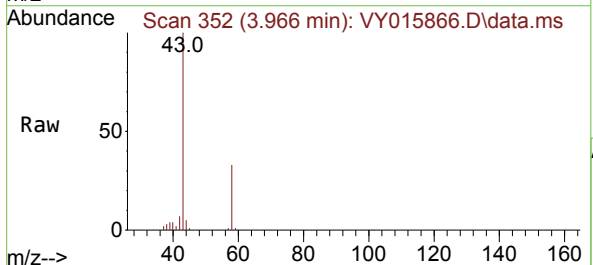
Instrument :
MSVOA_Y
ClientSampleId :

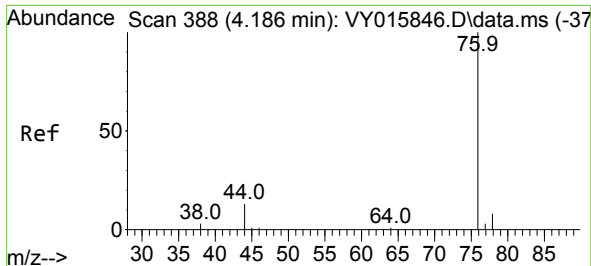
Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 26.854 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.024 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

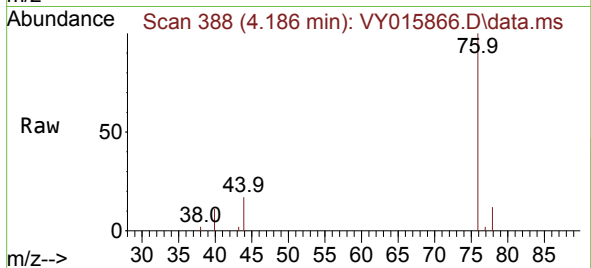
Tgt Ion: 43 Resp: 35196
Ion Ratio Lower Upper
43 100
58 32.9 22.7 34.1



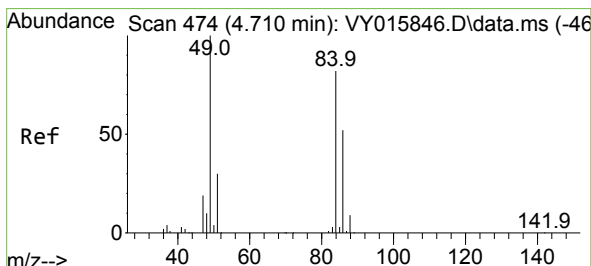
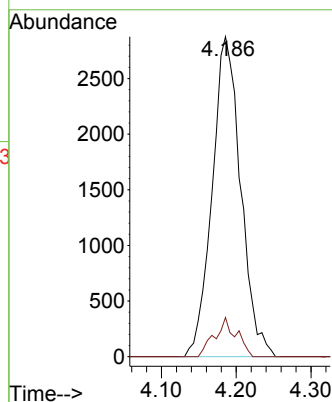
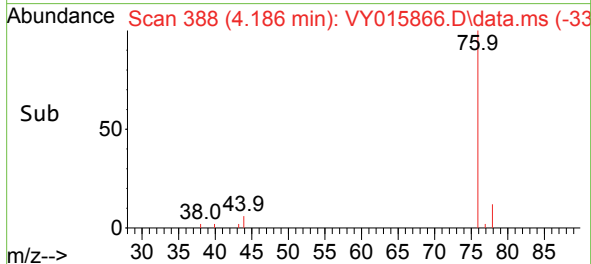


#17
Carbon Disulfide
Concen: 5.715 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

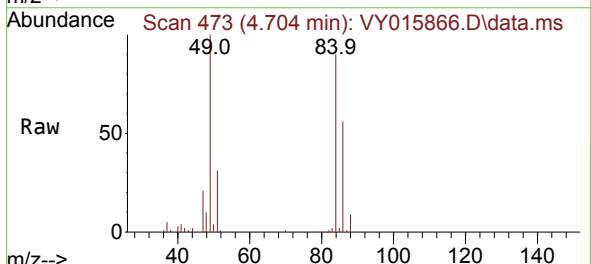
Instrument :
MSVOA_Y
ClientSampleId :



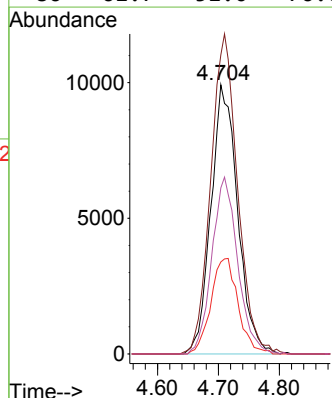
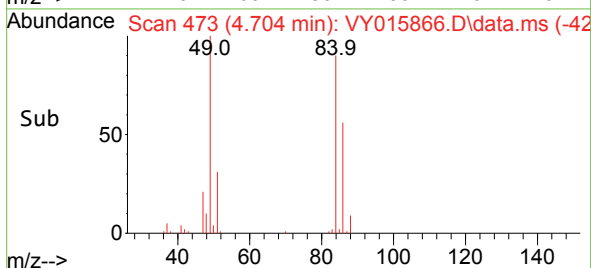
Tgt Ion: 76 Resp: 7629
Ion Ratio Lower Upper
76 100
78 12.3 7.0 10.4#

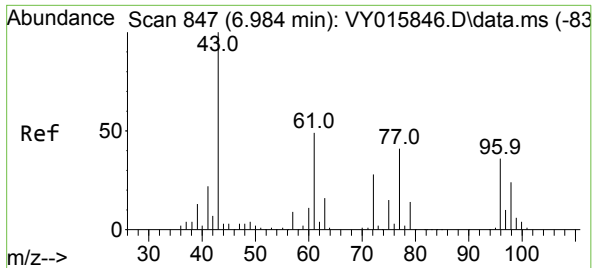


#20
Methylene Chloride
Concen: 4.633 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46



Tgt Ion: 84 Resp: 30221
Ion Ratio Lower Upper
84 100
49 111.1 106.9 160.3
51 34.2 33.2 49.8
86 61.7 51.0 76.6





#25

2-Butanone

Concen: 4.770 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

Instrument :

MSVOA_Y

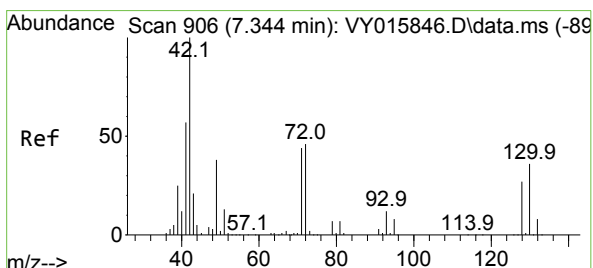
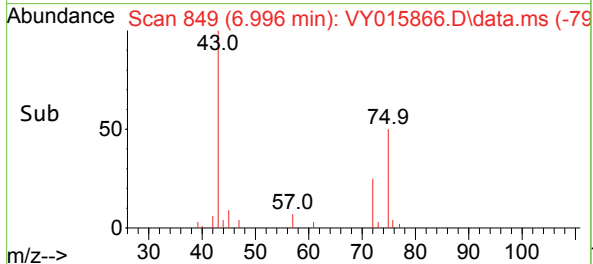
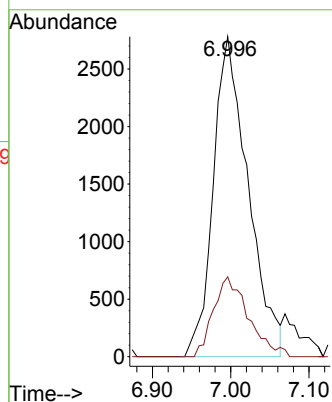
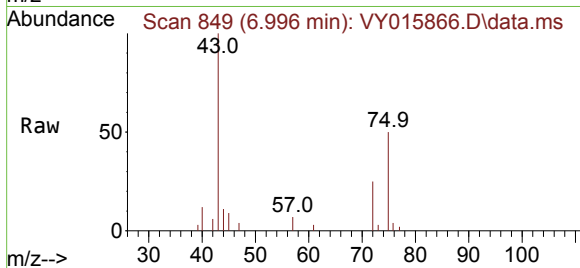
ClientSampleId :

Tgt Ion: 43 Resp: 8599

Ion Ratio Lower Upper

43 100

72 25.0 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.922 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

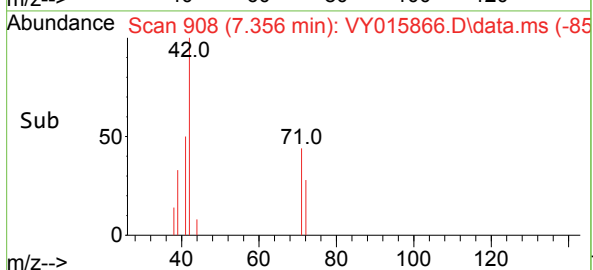
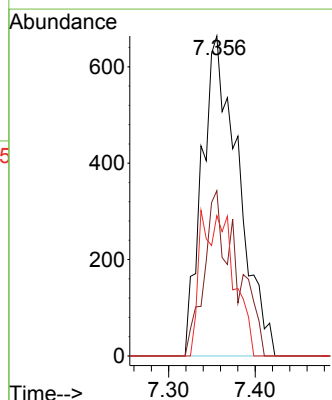
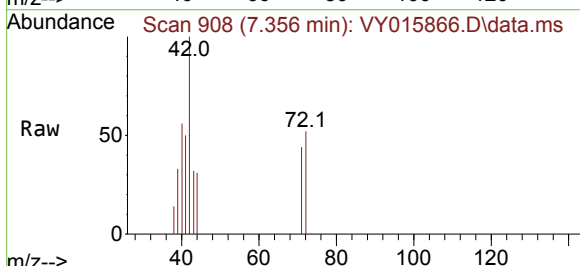
Tgt Ion: 42 Resp: 1933

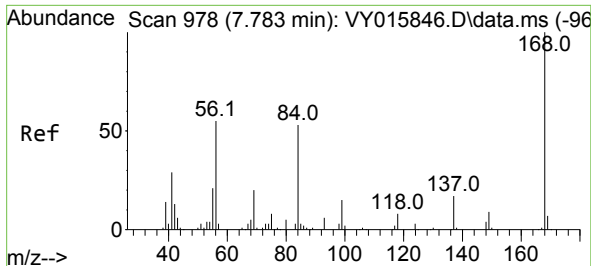
Ion Ratio Lower Upper

42 100

72 45.8 32.8 49.2

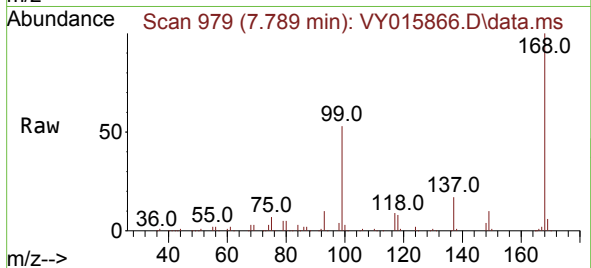
71 16.2 31.0 46.4#



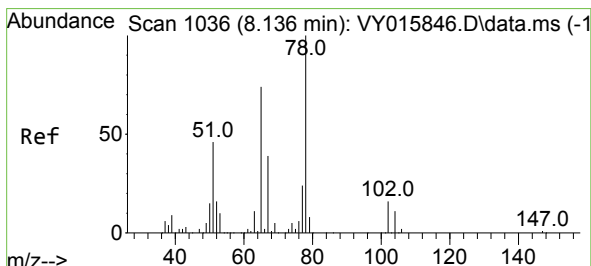
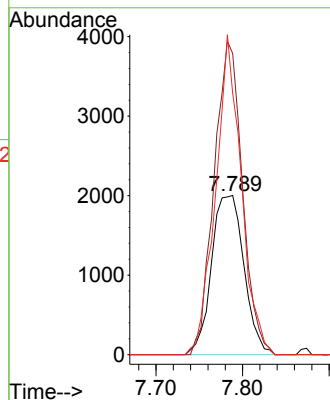
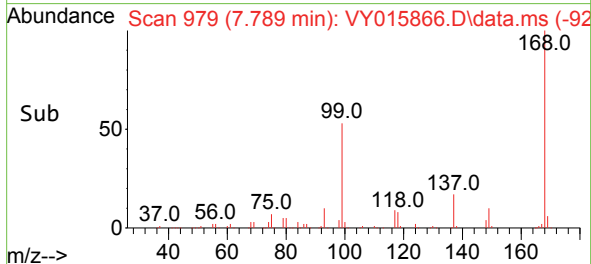


#31
Cyclohexane
Concen: 1.829 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

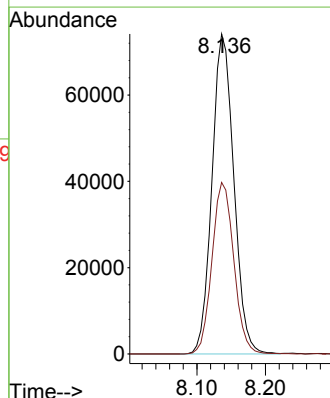
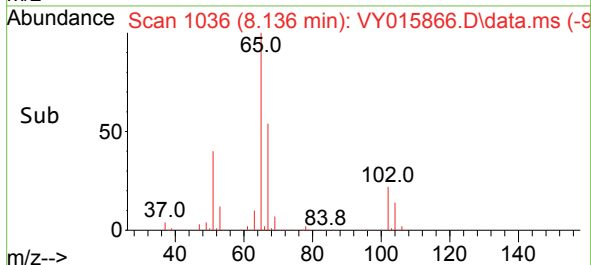
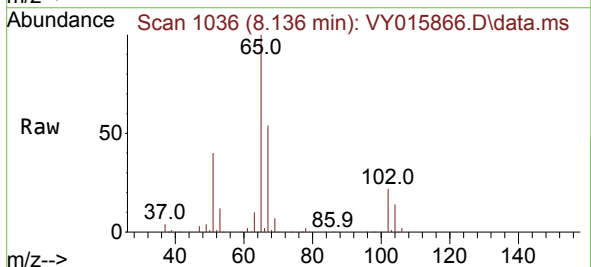


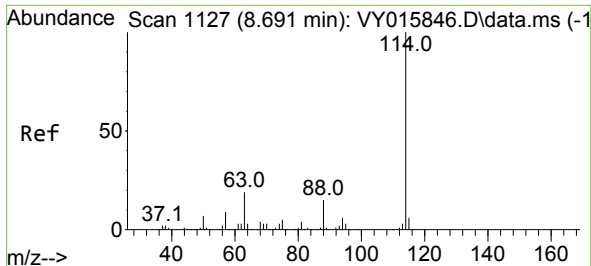
Tgt Ion: 56 Resp: 5214
Ion Ratio Lower Upper
56 100
69 189.2 27.8 41.6#
84 170.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 64.840 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Tgt Ion: 65 Resp: 164030
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

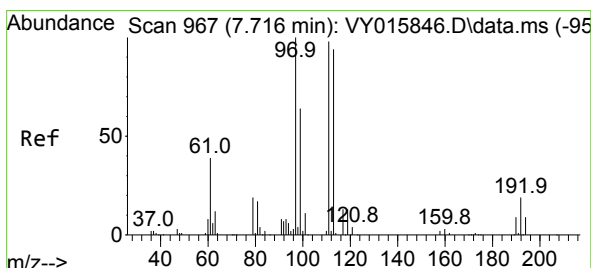
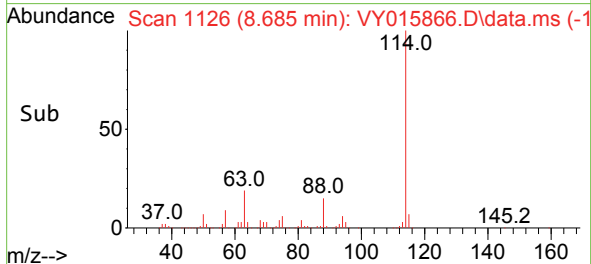
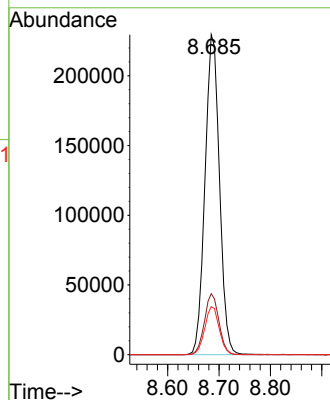
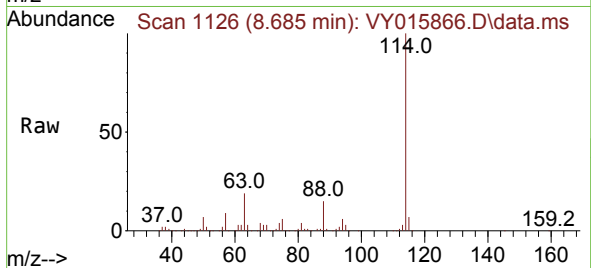
Tgt Ion:114 Resp: 448257

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 40.608 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

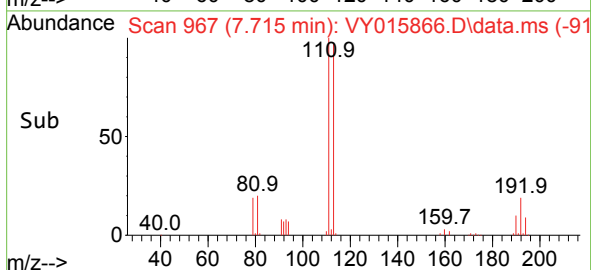
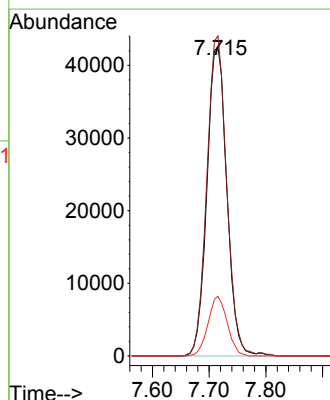
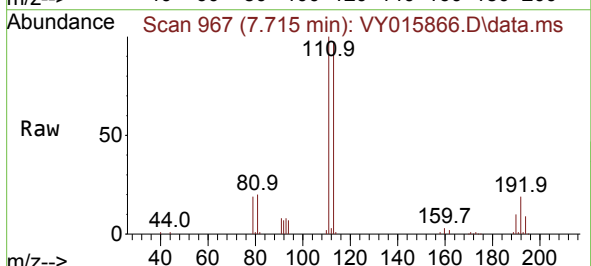
Tgt Ion:113 Resp: 103756

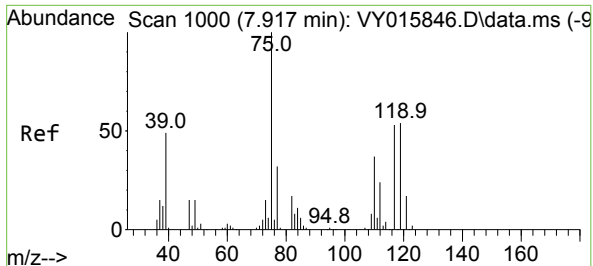
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

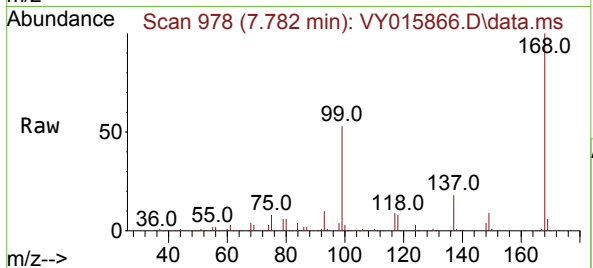
192 18.6 16.9 25.3



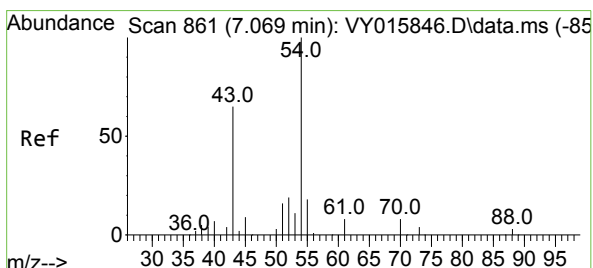
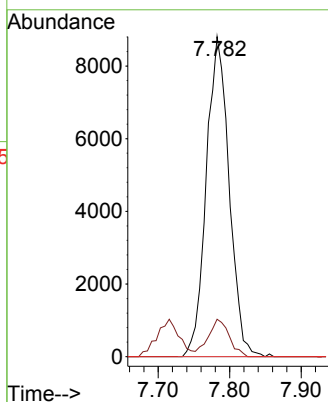
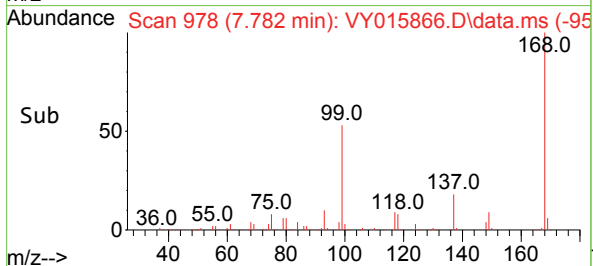


#36
1,1-Dichloropropene
Concen: 6.419 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

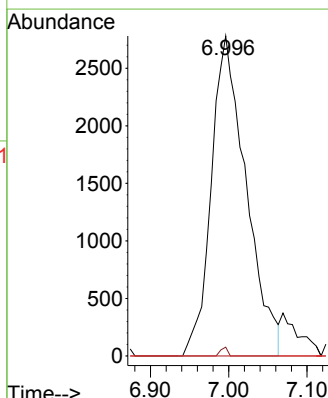
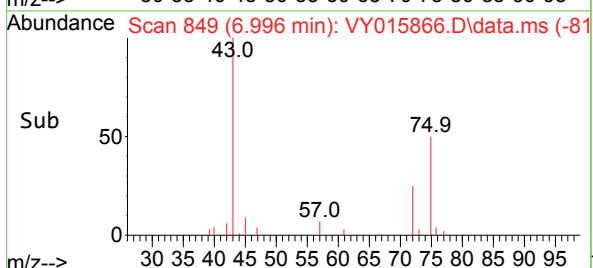
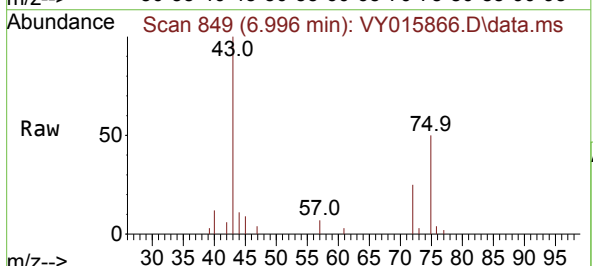


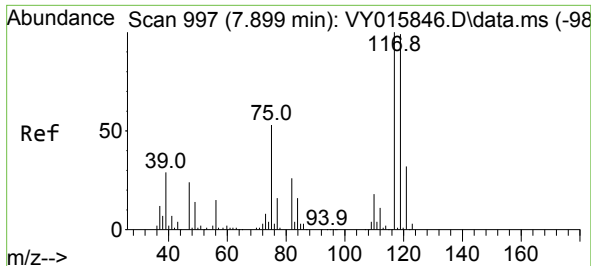
Tgt Ion: 75 Resp: 19567
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.521 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.073 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

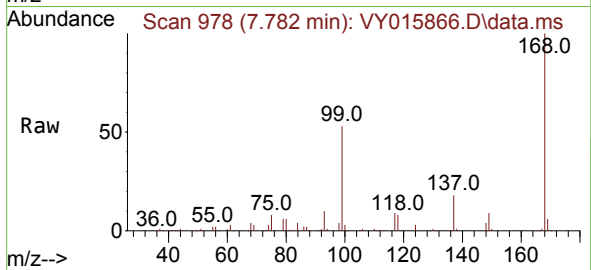
Tgt Ion: 43 Resp: 8599
Ion Ratio Lower Upper
43 100
61 0.6 10.1 15.1#
70 0.0 7.1 10.7#



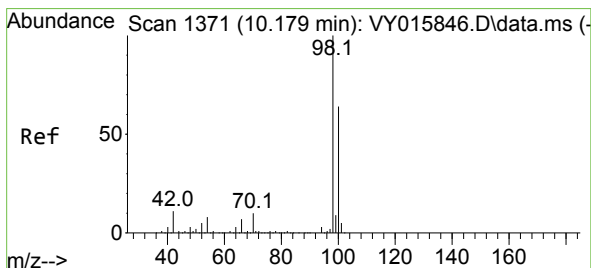
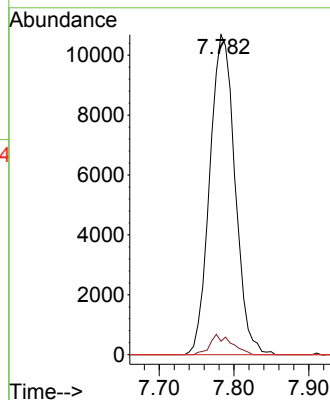
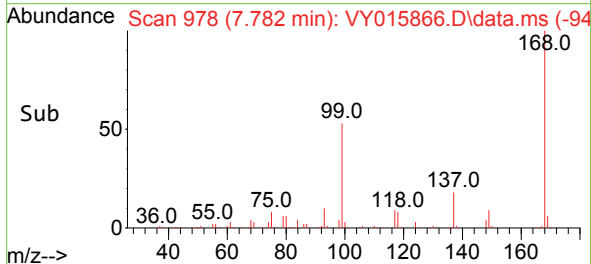


#38
Carbon Tetrachloride
Concen: 6.991 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

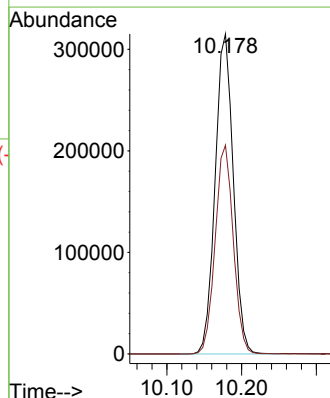
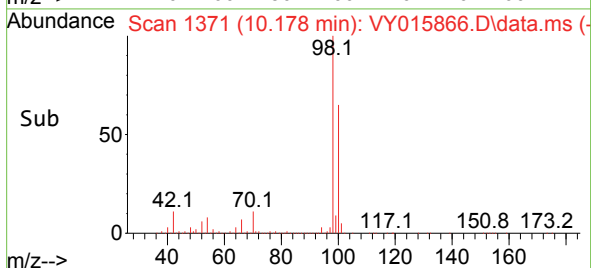
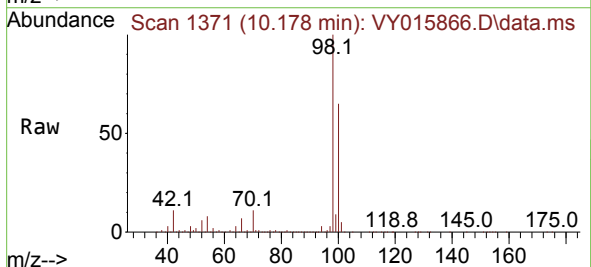


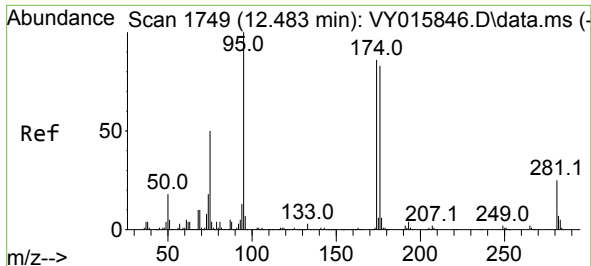
Tgt Ion:117 Resp: 25056
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 64.202 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015866.D
Acq: 06 Oct 2023 16:46

Tgt Ion: 98 Resp: 532594
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 54.676 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

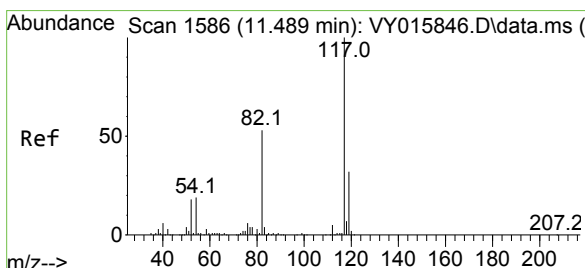
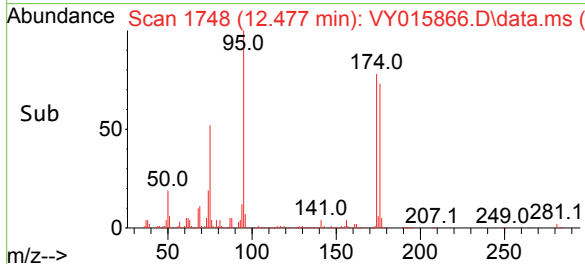
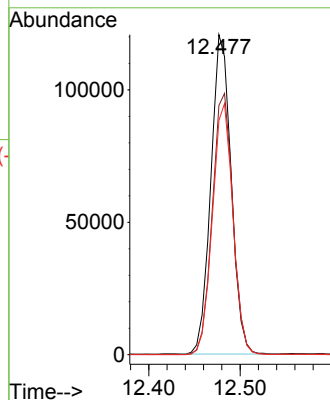
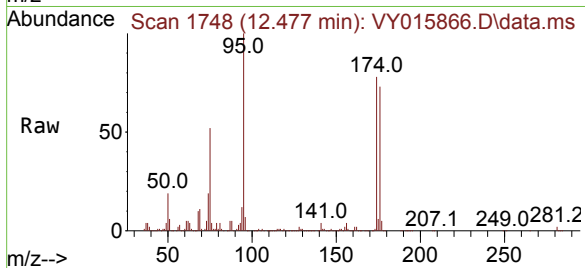
Tgt Ion: 95 Resp: 185400

Ion Ratio Lower Upper

95 100

174 83.5 0.0 178.2

176 79.7 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

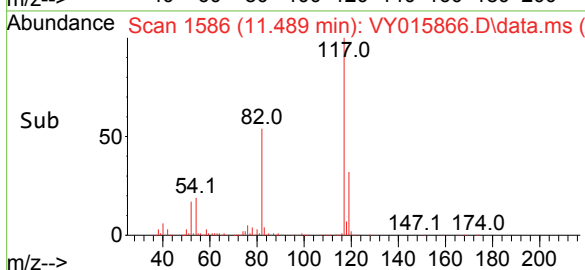
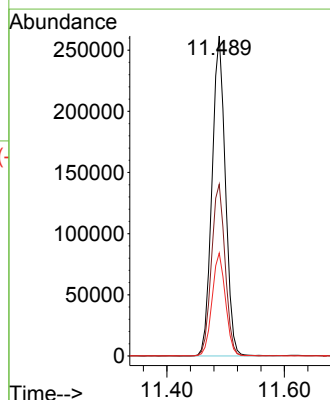
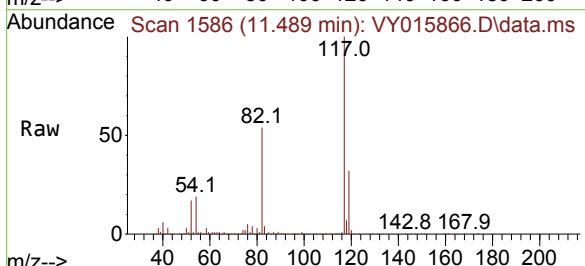
Tgt Ion: 117 Resp: 414487

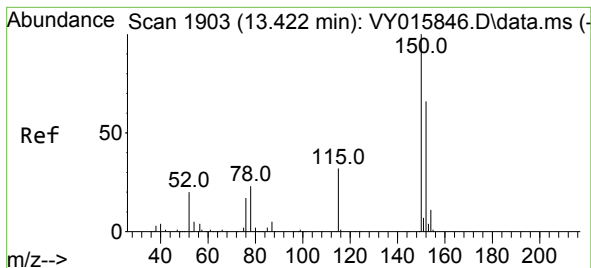
Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

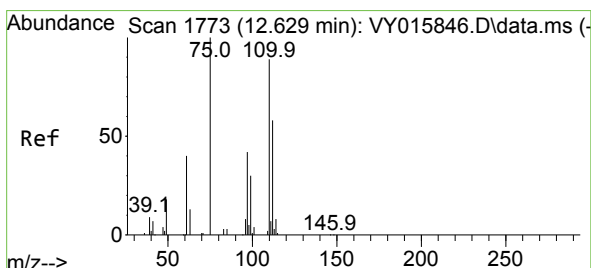
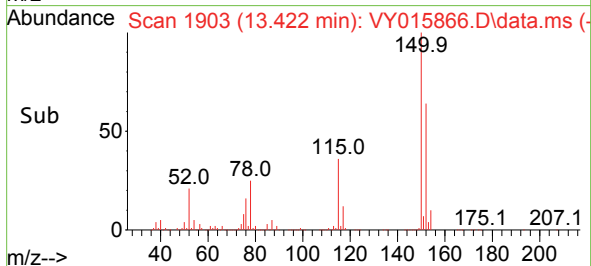
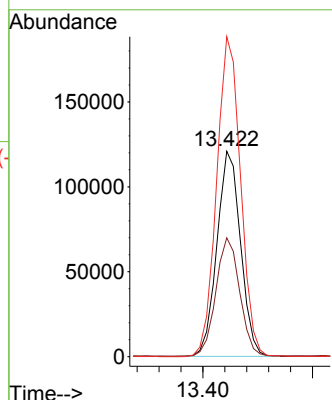
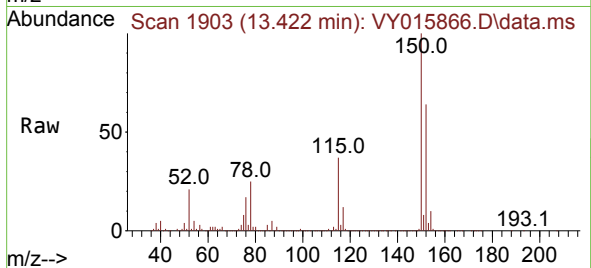
Tgt Ion:152 Resp: 180972

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 158.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.397 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015866.D

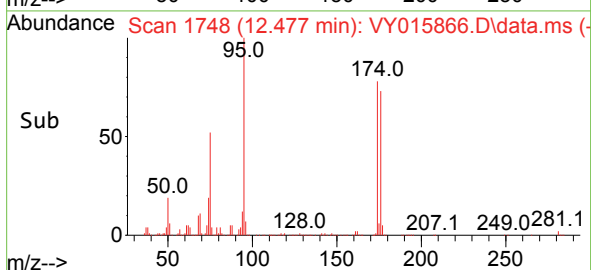
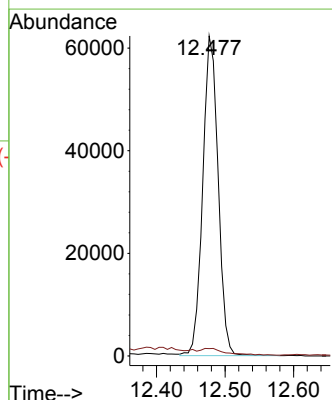
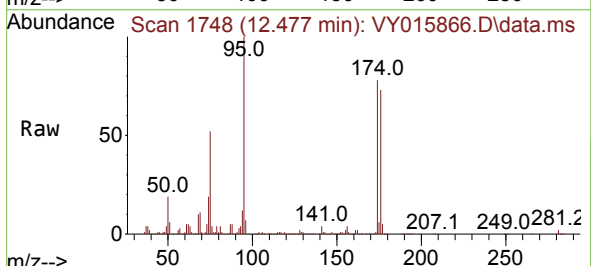
Acq: 06 Oct 2023 16:46

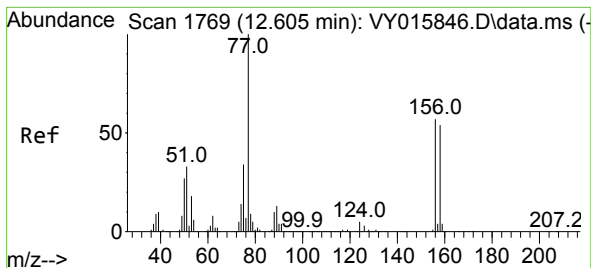
Tgt Ion: 75 Resp: 97507

Ion Ratio Lower Upper

75 100

77 3.5 0.0 0.0#





#77

Bromobenzene

Concen: 29.434 ug/l

RT: 12.391 min Scan# 1

Delta R.T. -0.214 min

Lab File: VY015866.D

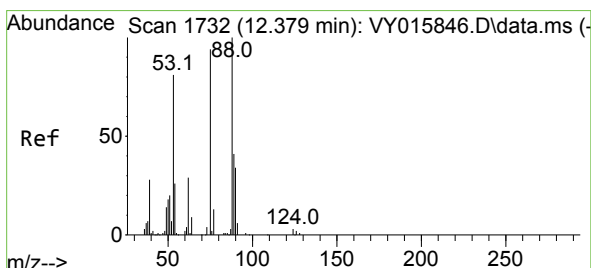
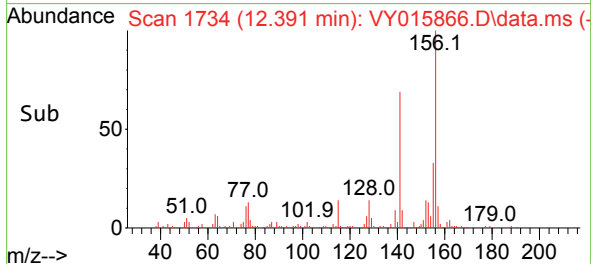
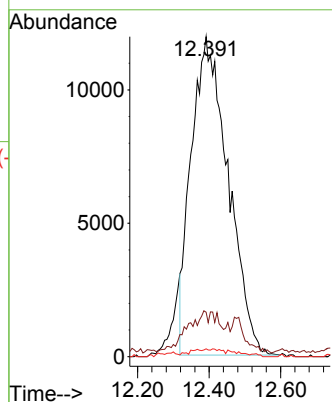
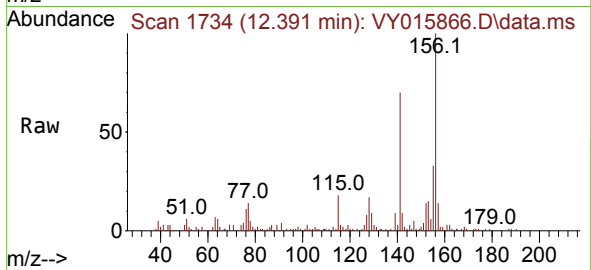
Acq: 06 Oct 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:156 Resp: 85362
 Ion Ratio Lower Upper
 156 100
 77 0.8 92.8 278.6#
 158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.254 ug/l

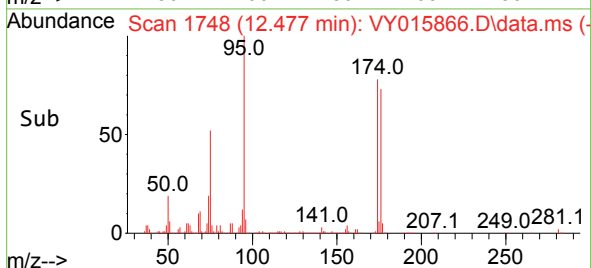
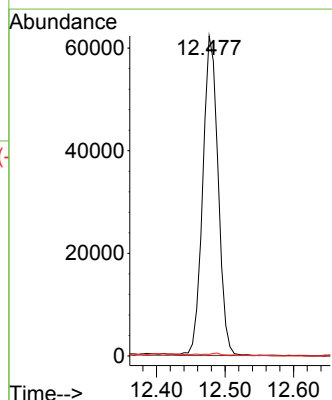
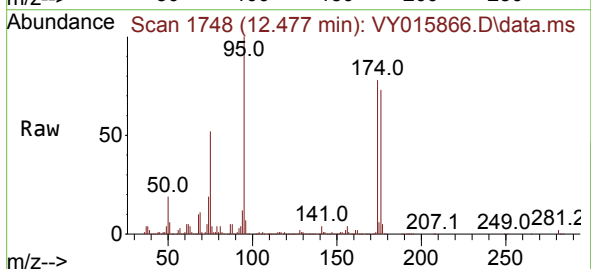
RT: 12.477 min Scan# 1748

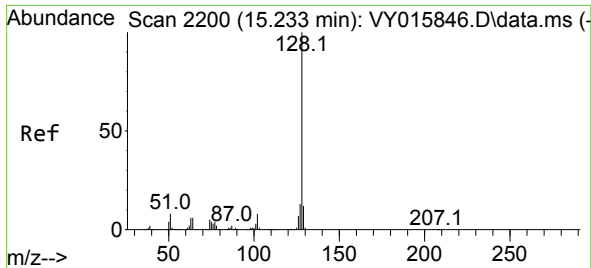
Delta R.T. 0.097 min

Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

Tgt Ion: 75 Resp: 97507
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.3 37.4 56.0#





#95

Naphthalene

Concen: 71.159 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.000 min

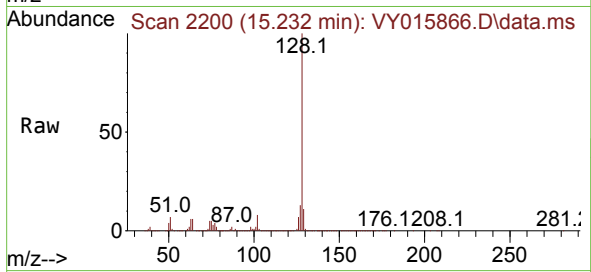
Lab File: VY015866.D

Acq: 06 Oct 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 675364

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 11.0 8.6 13.0

