

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112723\
 Data File : VY016507.D
 Acq On : 27 Nov 2023 14:30
 Operator : SY/MD
 Sample : 05449-02RE
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-SED-01-GRE

Quant Time: Nov 28 10:37:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

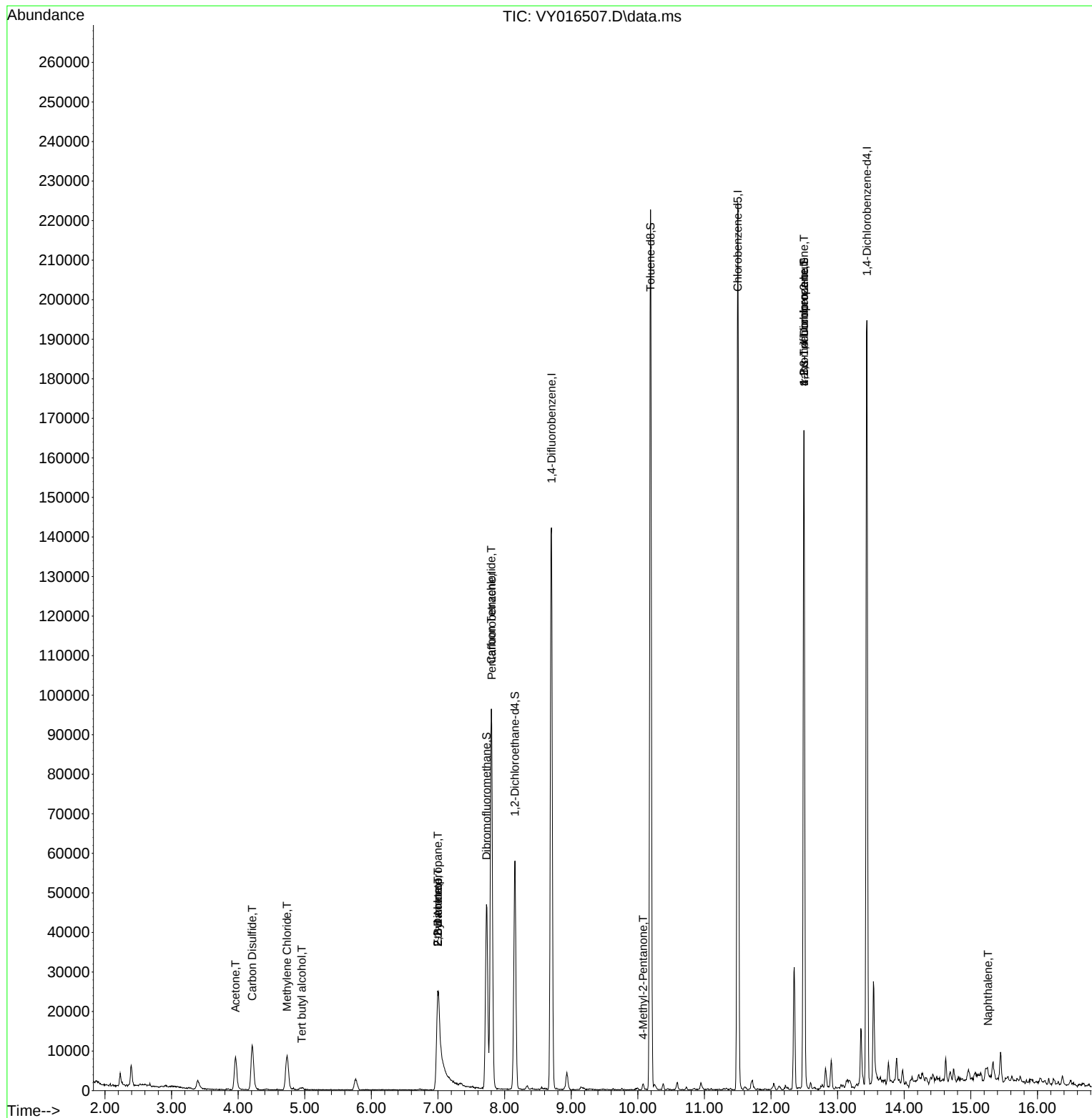
Internal Standards						
1) Pentafluorobenzene	7.807	168	80564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	136452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	128990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	55246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	45365	61.610	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.220%			
35) Dibromofluoromethane	7.728	113	34516	44.529	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.060%			
50) Toluene-d8	10.191	98	156565	49.809	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.495	95	52794	51.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	854	14.811	ug/l #	89
16) Acetone	3.960	43	14234	116.867	ug/l #	87
17) Carbon Disulfide	4.210	76	18583	7.565	ug/l	99
20) Methylene Chloride	4.735	84	7693	5.869	ug/l #	75
25) 2-Butanone	6.996	43	5540	25.969	ug/l	96
26) 2,2-Dichloropropane	6.996	77	2890	2.067	ug/l #	54
37) Ethyl Acetate	6.996	43	5540	10.187	ug/l #	78
38) Carbon Tetrachloride	7.801	117	7454	5.336	ug/l #	18
51) 4-Methyl-2-Pentanone	10.081	43	1014	1.908	ug/l #	84
76) 1,2,3-Trichloropropane	12.495	75	26423	49.858	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	26423	108.220	ug/l #	10
95) Naphthalene	15.257	128	2002	1.150	ug/l #	94

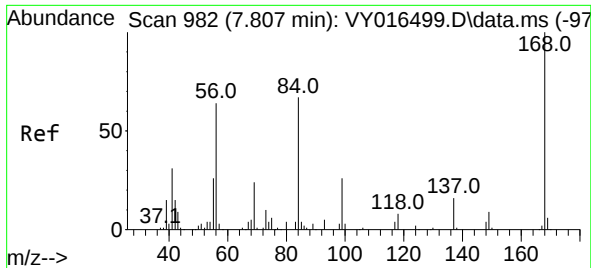
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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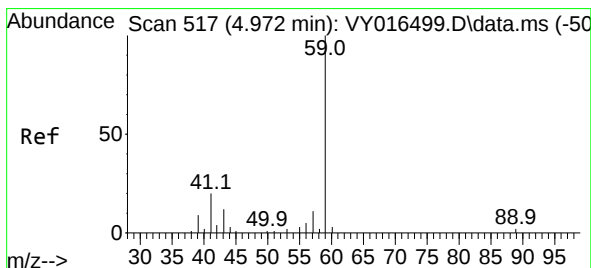
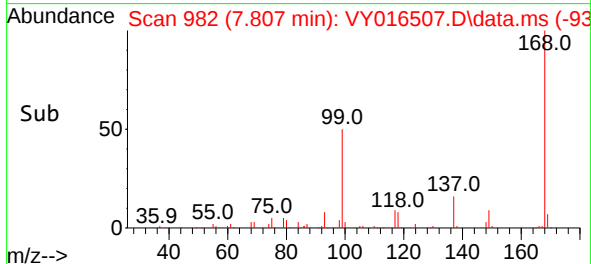
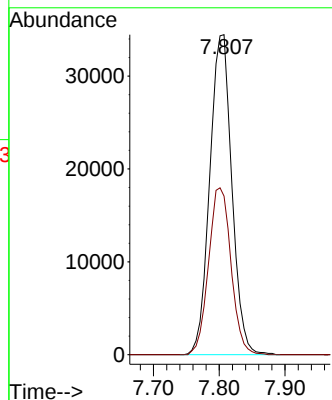
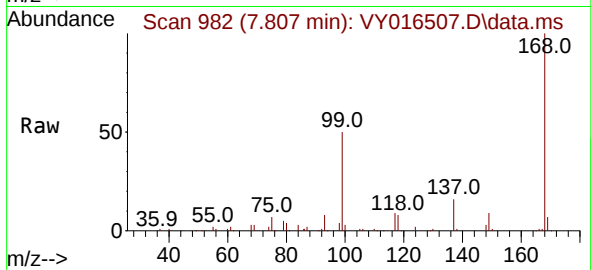




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

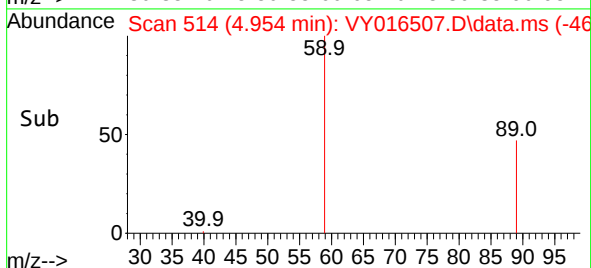
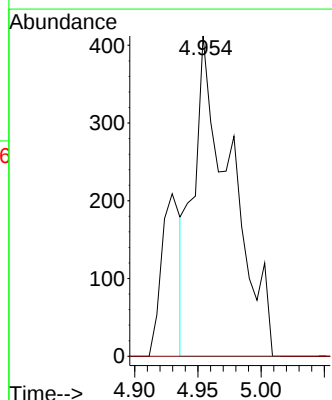
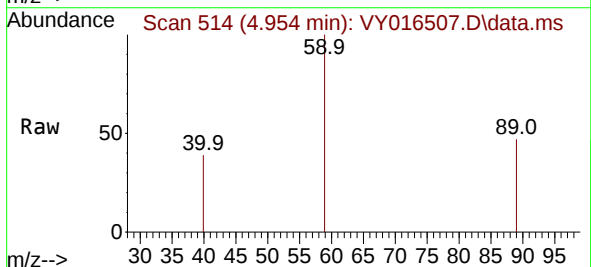
Instrument :
MSVOA_Y
ClientSampleId :
WC-SED-01-GRE

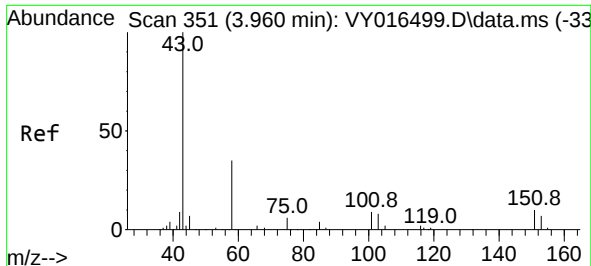
Tgt Ion:168 Resp: 80564
Ion Ratio Lower Upper
168 100
99 49.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 14.811 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

Tgt Ion: 59 Resp: 854
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 116.867 ug/l

RT: 3.960 min Scan# 351

Delta R.T. -0.000 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

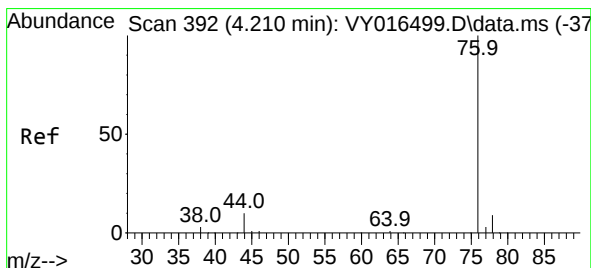
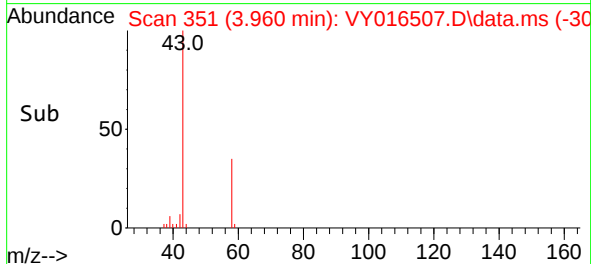
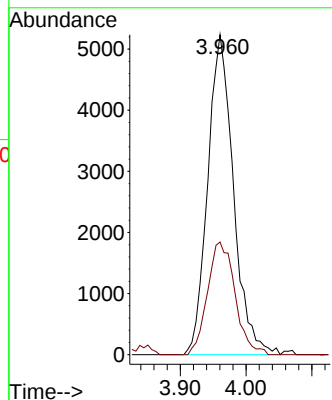
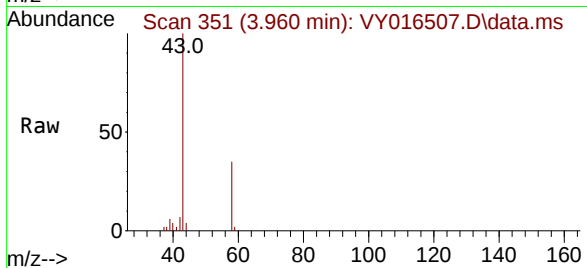
WC-SED-01-GRE

Tgt Ion: 43 Resp: 14234

Ion Ratio Lower Upper

43 100

58 35.2 22.7 34.1#



#17

Carbon Disulfide

Concen: 7.565 ug/l

RT: 4.210 min Scan# 392

Delta R.T. -0.000 min

Lab File: VY016507.D

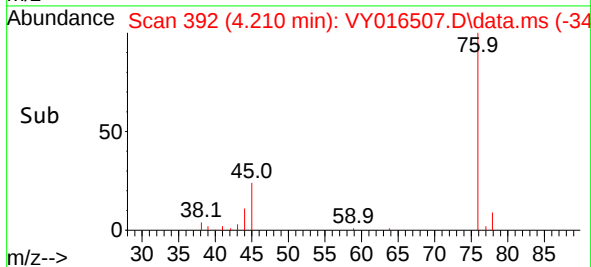
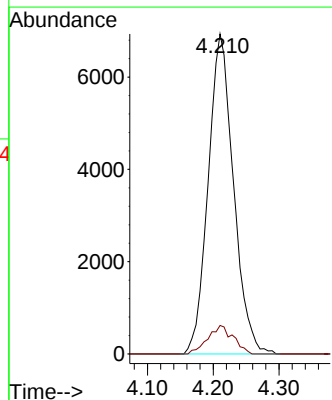
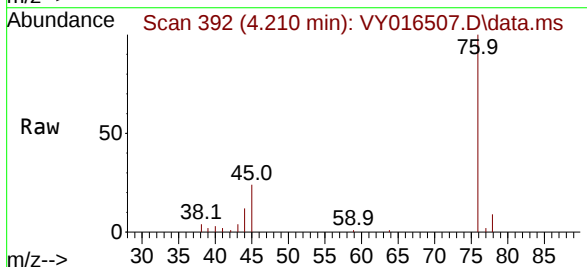
Acq: 27 Nov 2023 14:30

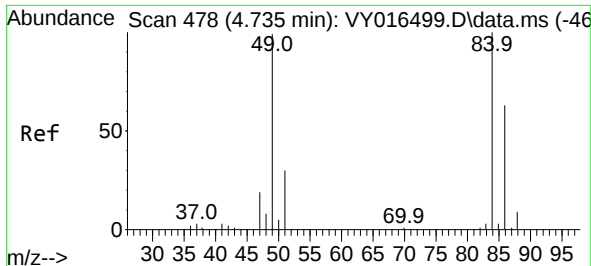
Tgt Ion: 76 Resp: 18583

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

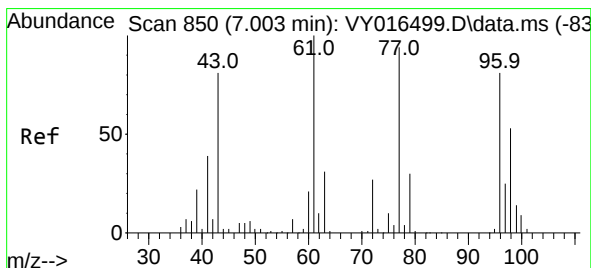
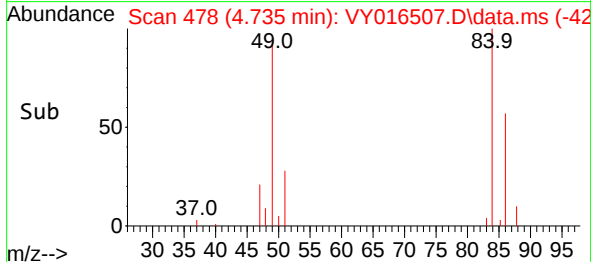
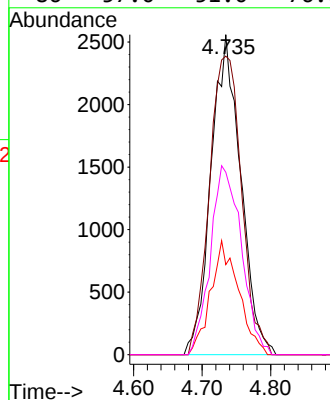
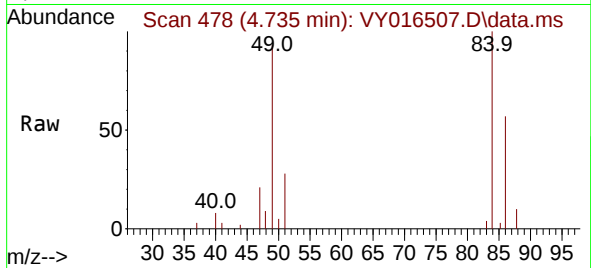




#20
Methylene Chloride
Concen: 5.869 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

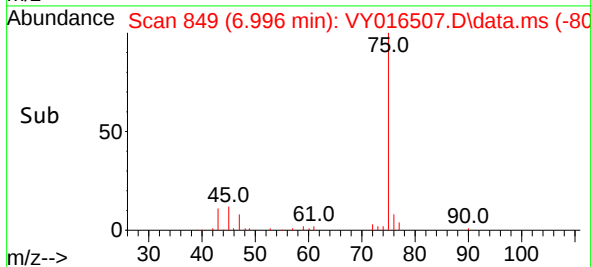
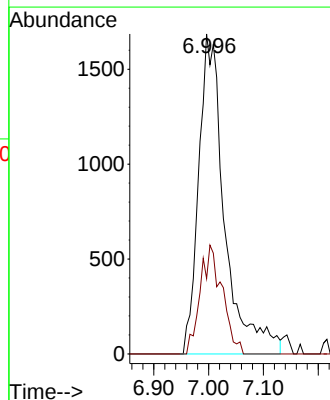
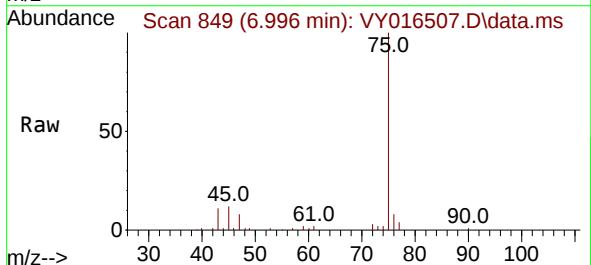
Instrument :
MSVOA_Y
ClientSampleId :
WC-SED-01-GRE

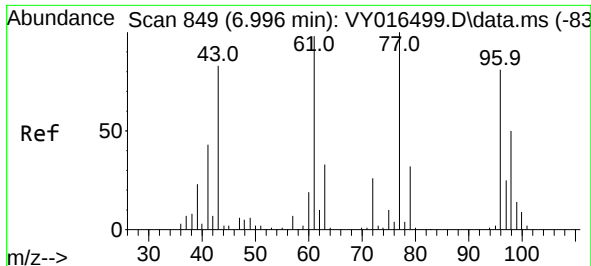
Tgt Ion:	84	Resp:	7693
Ion	Ratio	Lower	Upper
84	100		
49	93.3	106.9	160.3#
51	28.1	33.2	49.8#
86	57.0	51.0	76.6



#25
2-Butanone
Concen: 25.969 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

Tgt Ion:	43	Resp:	5540
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.5	30.7





#26

2,2-Dichloropropane

Concen: 2.067 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

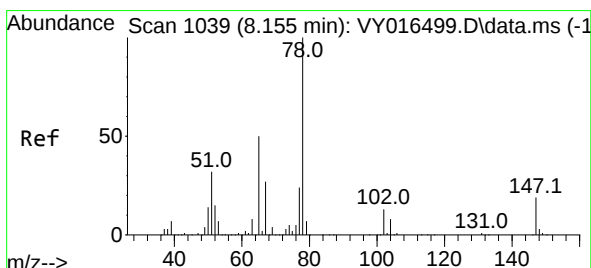
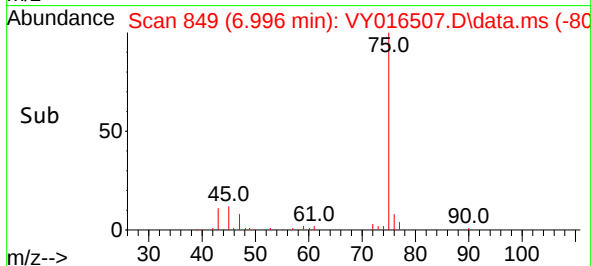
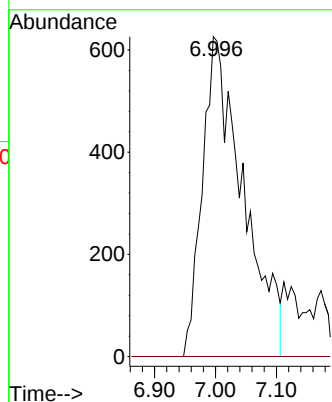
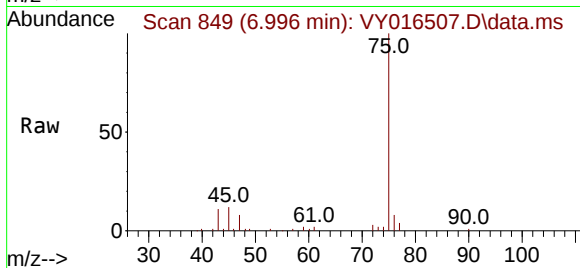
WC-SED-01-GRE

Tgt Ion: 77 Resp: 2890

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 61.610 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016507.D

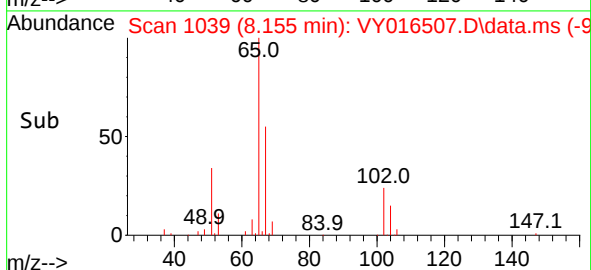
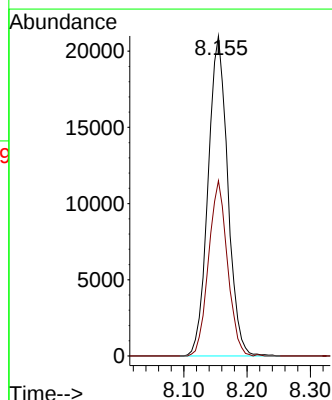
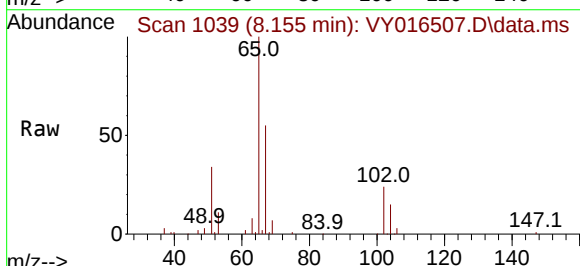
Acq: 27 Nov 2023 14:30

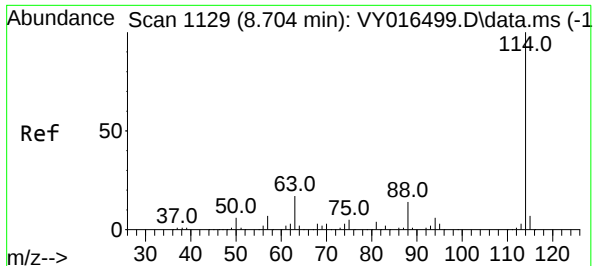
Tgt Ion: 65 Resp: 45365

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

WC-SED-01-GRE

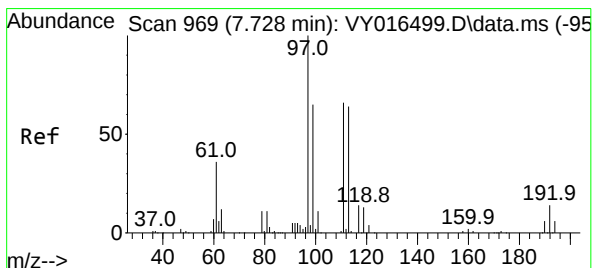
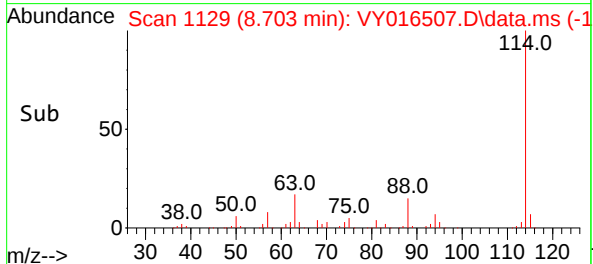
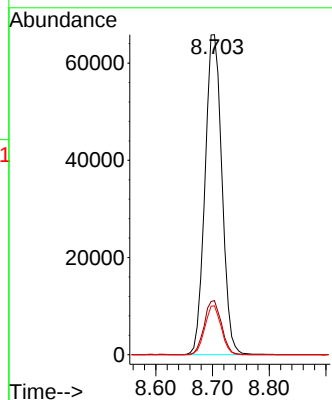
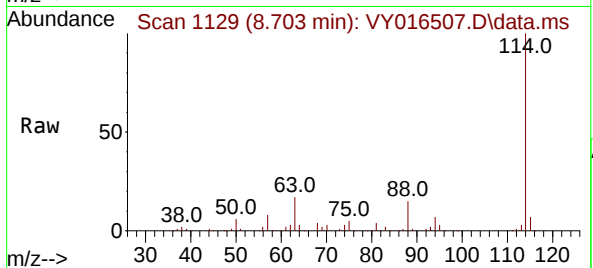
Tgt Ion:114 Resp: 136452

Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.529 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

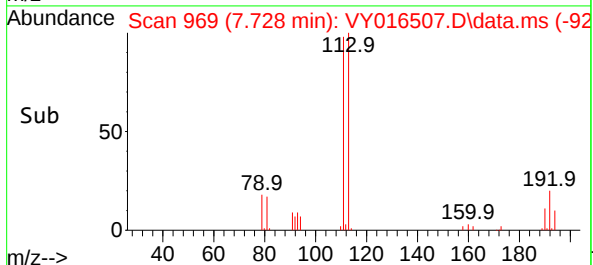
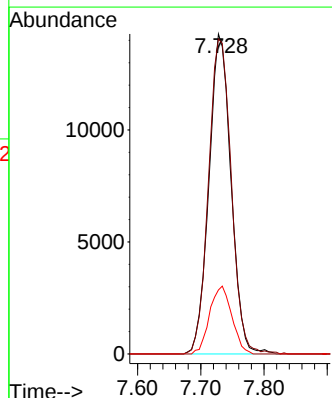
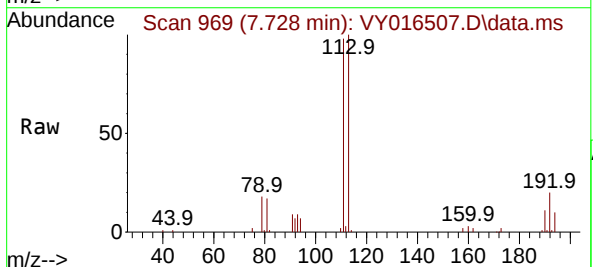
Tgt Ion:113 Resp: 34516

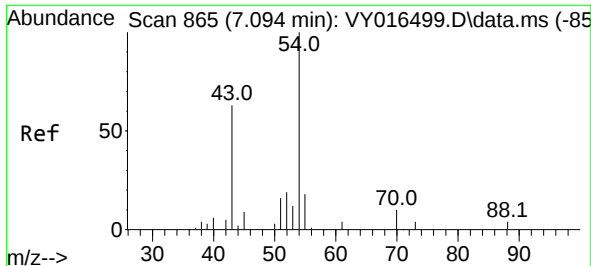
Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

192 21.4 16.9 25.3





#37

Ethyl Acetate

Concen: 10.187 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.092 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

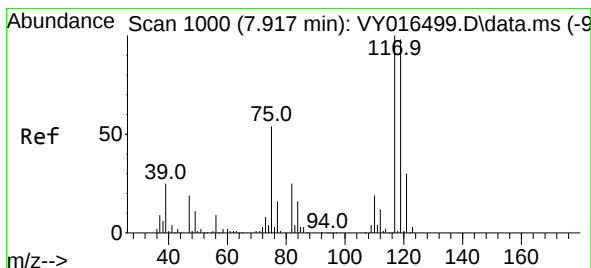
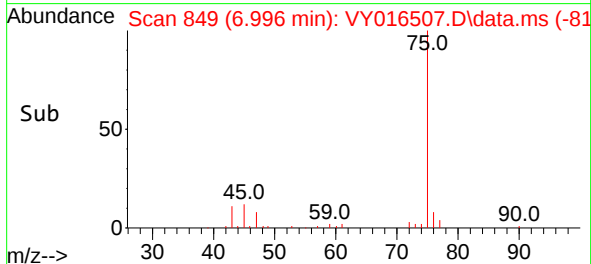
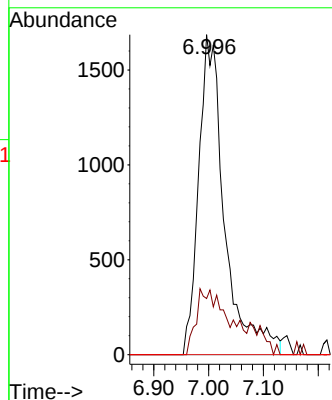
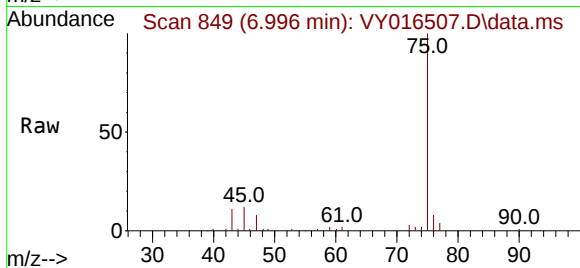
Instrument :

MSVOA_Y

ClientSampleId :

WC-SED-01-GRE

Tgt Ion:	43	Resp:	5540
Ion	Ratio	Lower	Upper
43	100		
61	20.2	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.336 ug/l

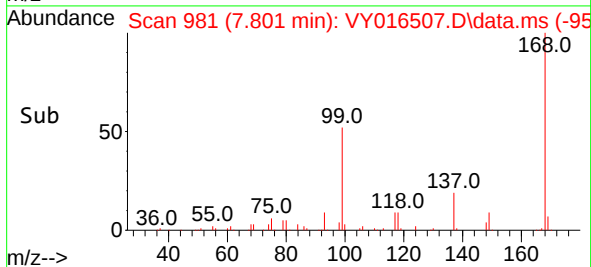
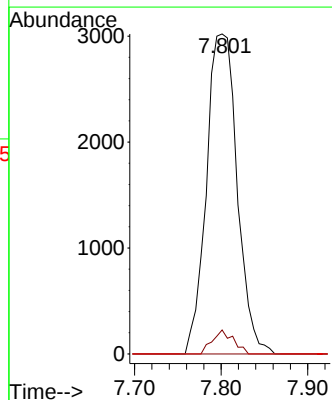
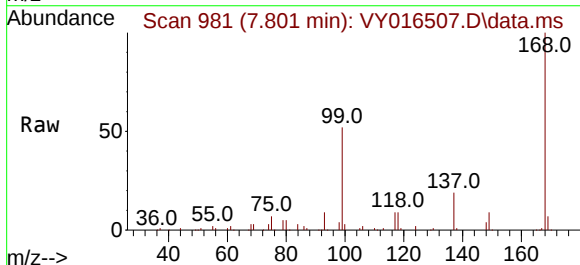
RT: 7.801 min Scan# 981

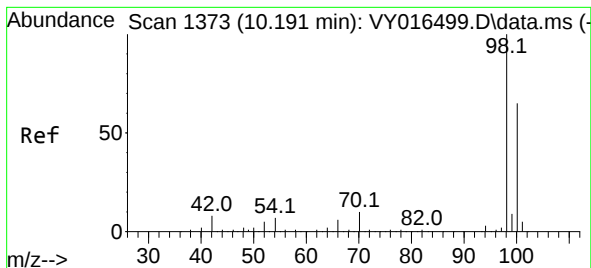
Delta R.T. -0.116 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

Tgt Ion:	117	Resp:	7454
Ion	Ratio	Lower	Upper
117	100		
119	7.5	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 49.809 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

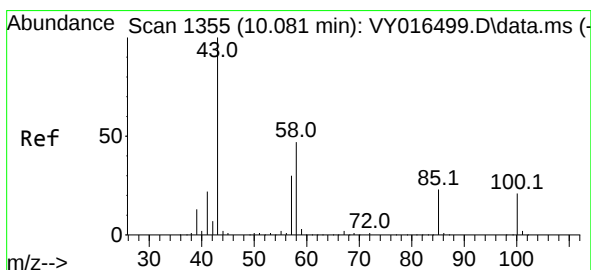
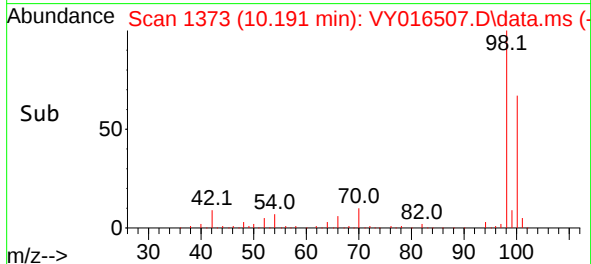
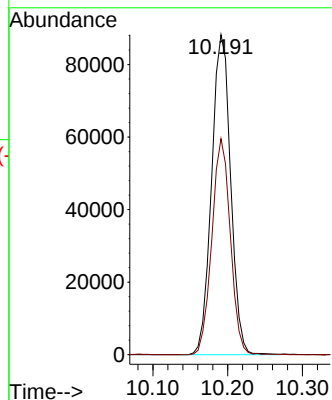
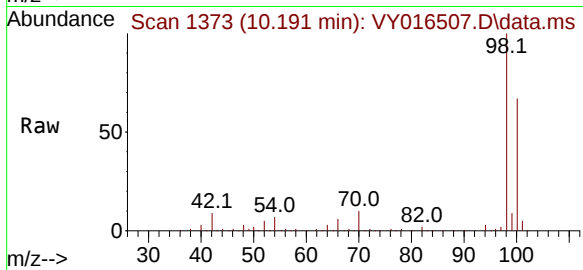
WC-SED-01-GRE

Tgt Ion: 98 Resp: 156565

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.908 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. -0.000 min

Lab File: VY016507.D

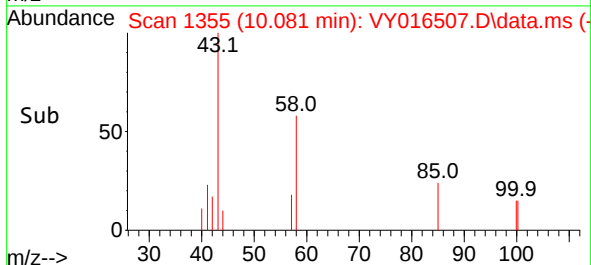
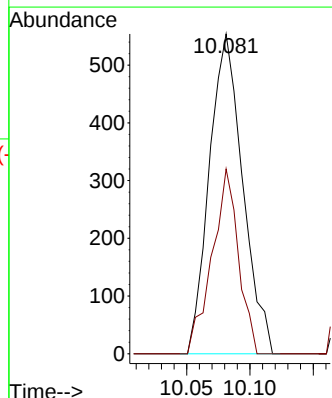
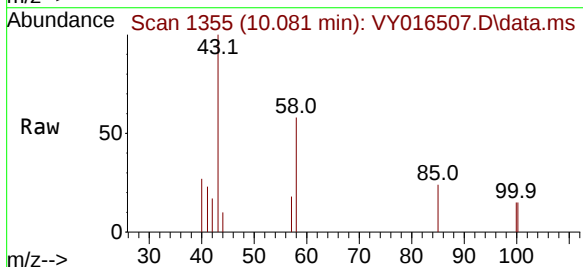
Acq: 27 Nov 2023 14:30

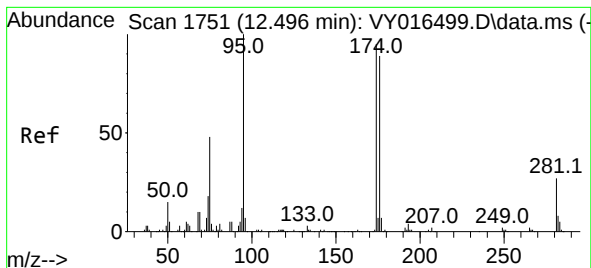
Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

43 100

58 45.7 29.0 43.6#

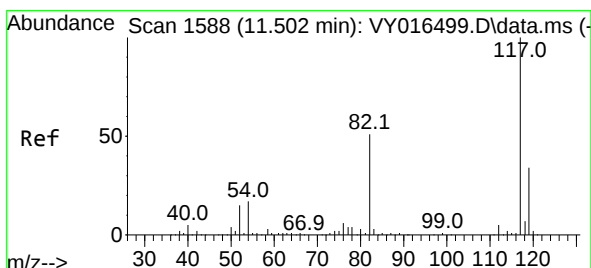
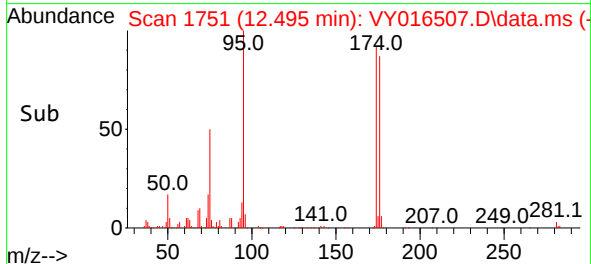
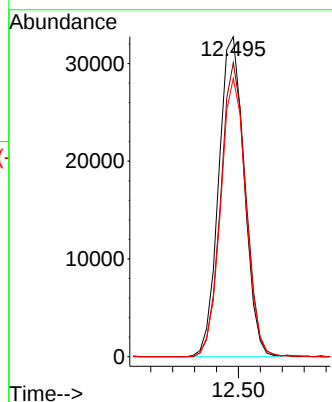
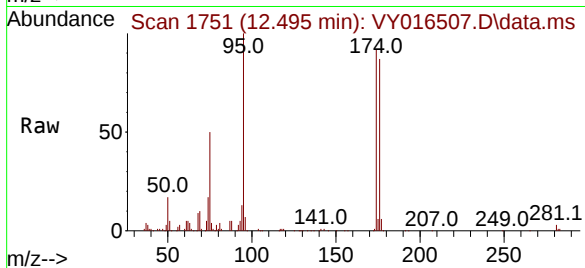




#62
4-Bromofluorobenzene
Concen: 51.713 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

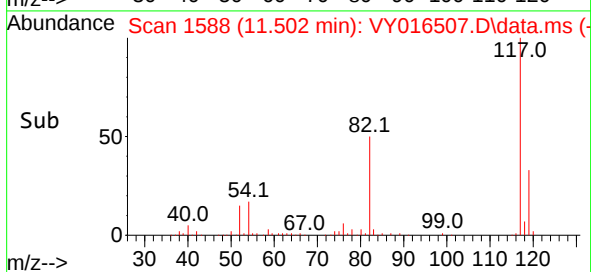
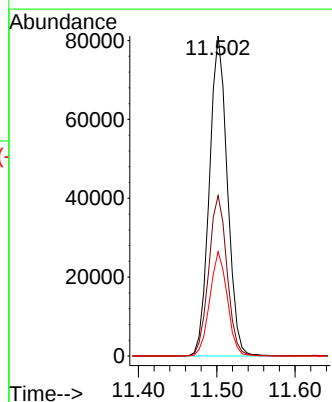
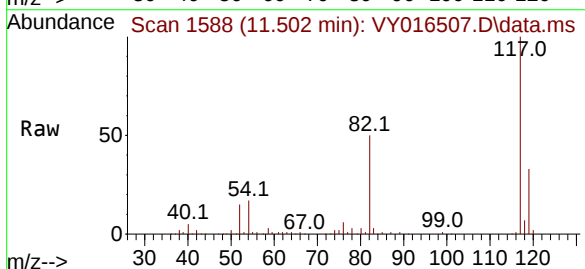
Instrument :
MSVOA_Y
ClientSampleId :
WC-SED-01-GRE

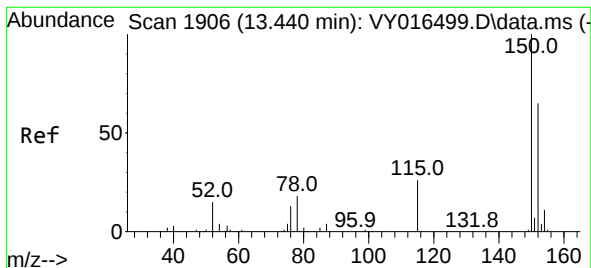
Tgt Ion: 95 Resp: 52794
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.2
176 86.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

Tgt Ion: 117 Resp: 128990
Ion Ratio Lower Upper
117 100
82 50.1 43.4 65.0
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016507.D

Acq: 27 Nov 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

WC-SED-01-GRE

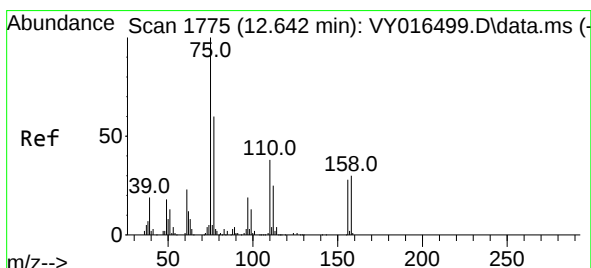
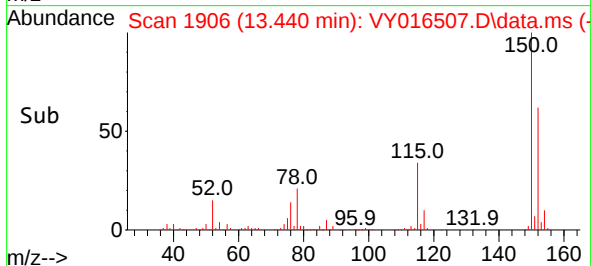
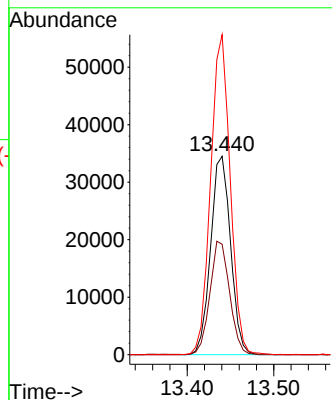
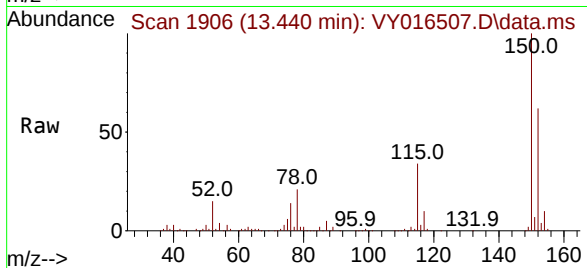
Tgt Ion:152 Resp: 55246

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 158.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 49.858 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016507.D

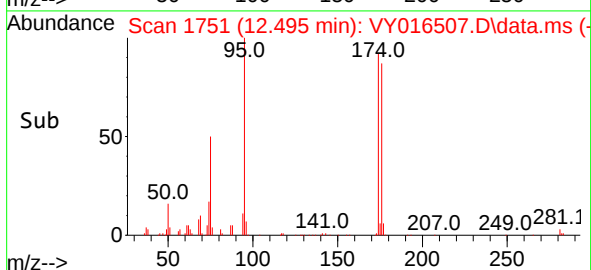
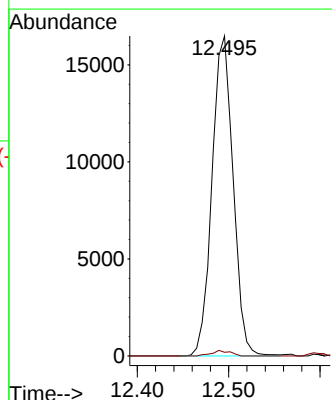
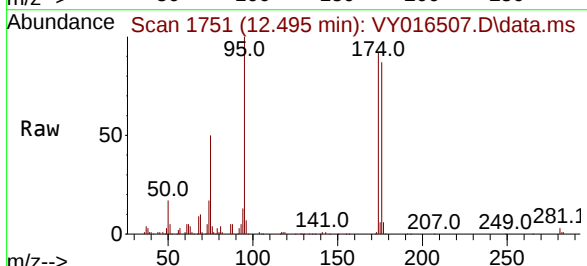
Acq: 27 Nov 2023 14:30

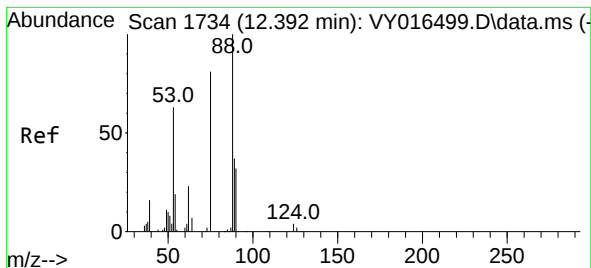
Tgt Ion: 75 Resp: 26423

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

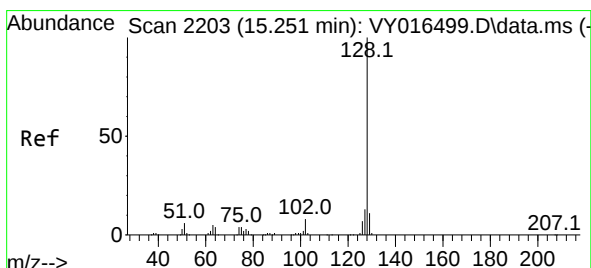
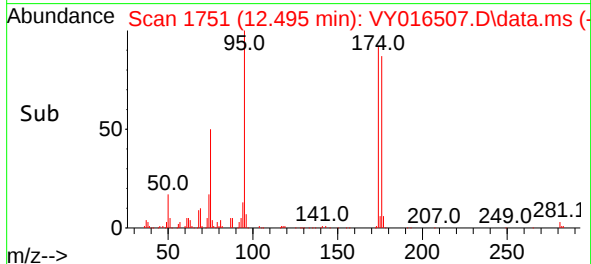
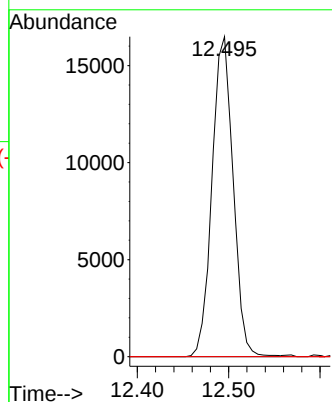
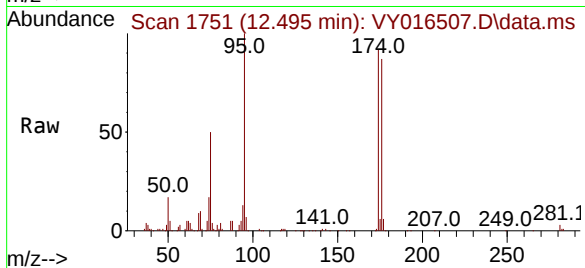




#81
trans-1,4-Dichloro-2-butene
Concen: 108.220 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

Instrument :
MSVOA_Y
ClientSampleId :
WC-SED-01-GRE

Tgt Ion: 75 Resp: 26423
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.150 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016507.D
Acq: 27 Nov 2023 14:30

Tgt Ion:128 Resp: 2002
Ion Ratio Lower Upper
128 100
127 18.0 10.8 16.2#
129 10.7 8.6 13.0

