

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016832.D
 Acq On : 23 Dec 2023 01:40
 Operator : SY/MD
 Sample : VY1222SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 01:56:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

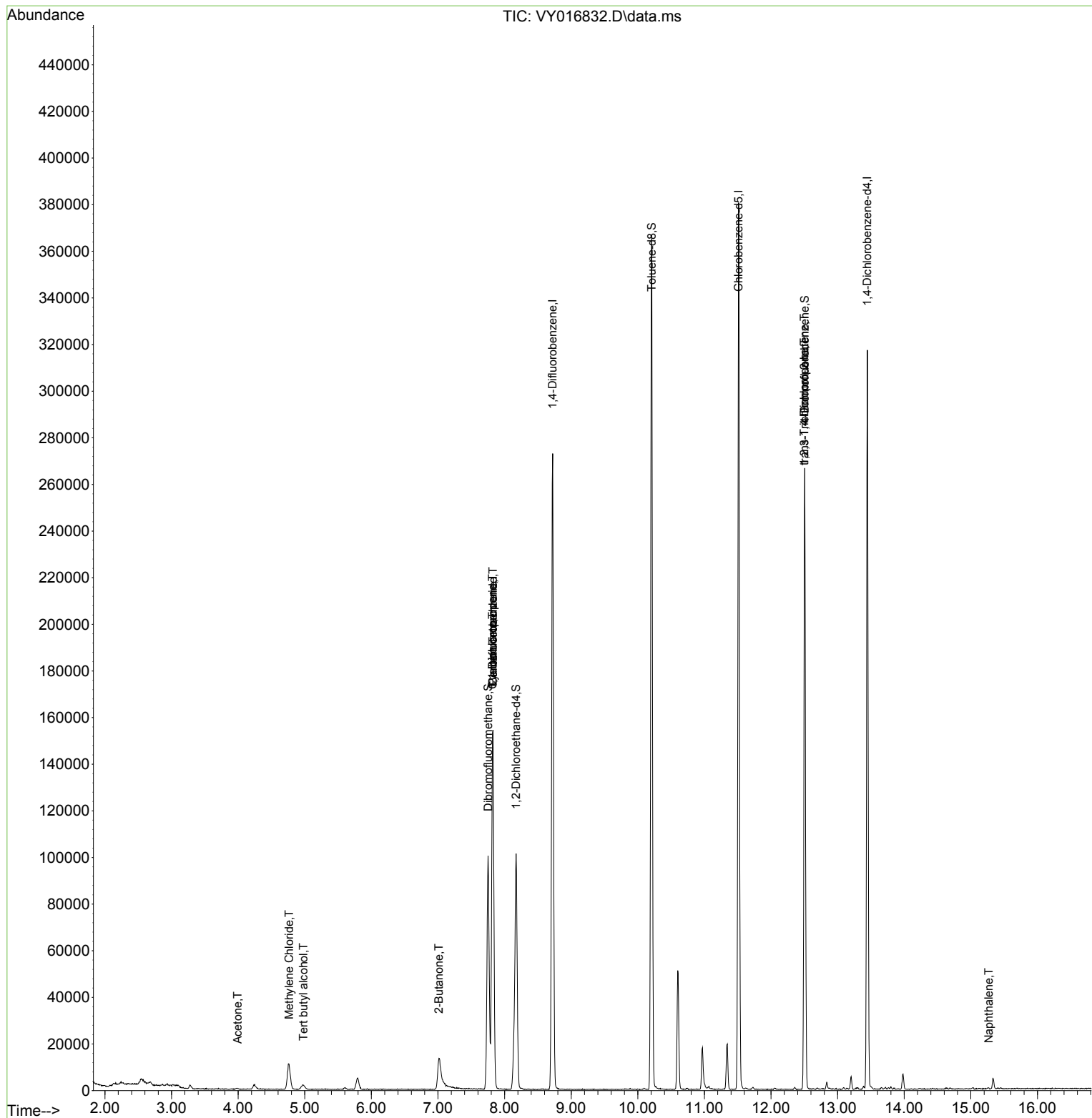
Internal Standards						
1) Pentafluorobenzene	7.825	168	120062	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	233684	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	203676	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	76031	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	71204	64.965	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.920%			
35) Dibromofluoromethane	7.752	113	70837	52.919	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.209	98	240358	49.810	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.507	95	72932	46.586	ug/l	0.02
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	2412	26.840	ug/l #	75
16) Acetone	3.991	43	639	2.156	ug/l #	84
20) Methylene Chloride	4.765	84	8543	2.837	ug/l #	85
25) 2-Butanone	7.015	43	910	2.230	ug/l #	48
31) Cyclohexane	7.819	56	2785	1.326	ug/l #	1
36) 1,1-Dichloropropene	7.819	75	10530	4.907	ug/l #	50
38) Carbon Tetrachloride	7.825	117	12253	5.770	ug/l #	16
76) 1,2,3-Trichloropropane	12.501	75	39089	46.508	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	39089	109.221	ug/l #	13
95) Naphthalene	15.269	128	529	3.794	ug/l #	79

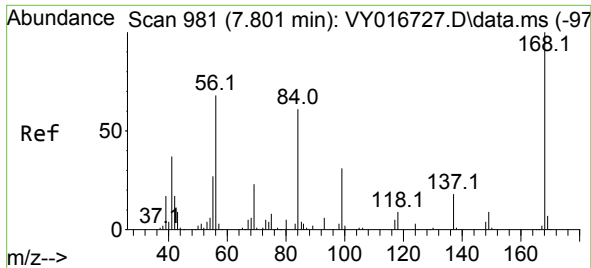
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: Dec 23 01:56:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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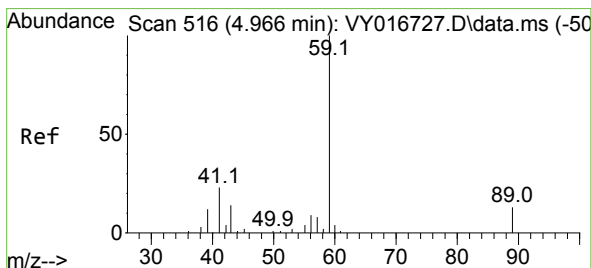
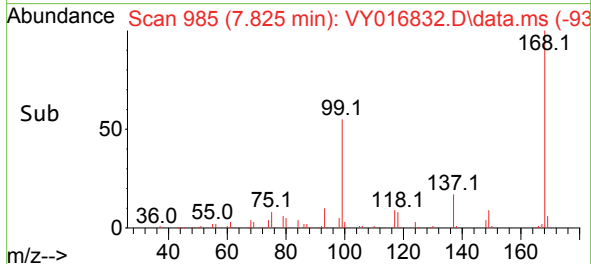
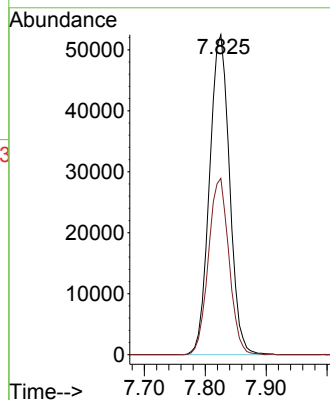
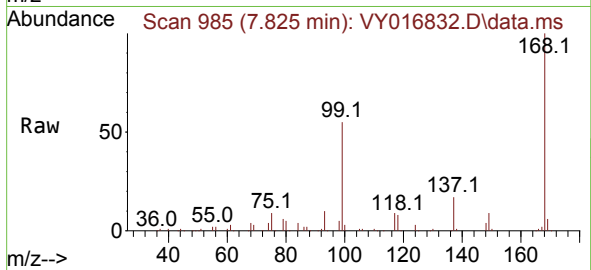




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016832.D
Acq: 23 Dec 2023 01:40

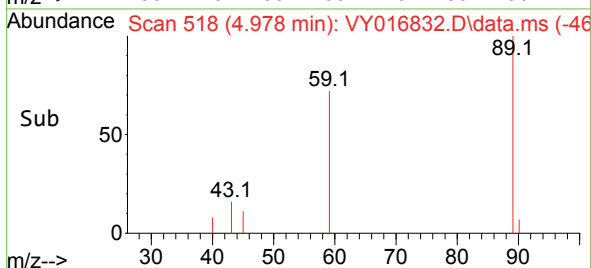
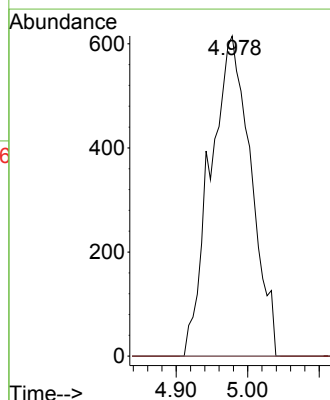
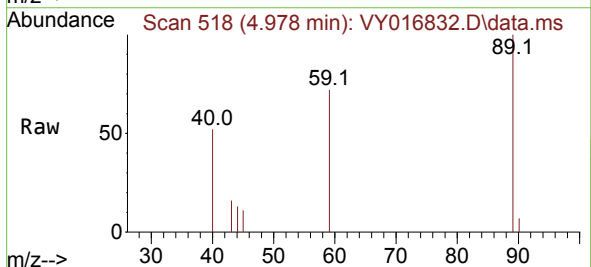
Instrument :
MSVOA_Y
ClientSampleId :

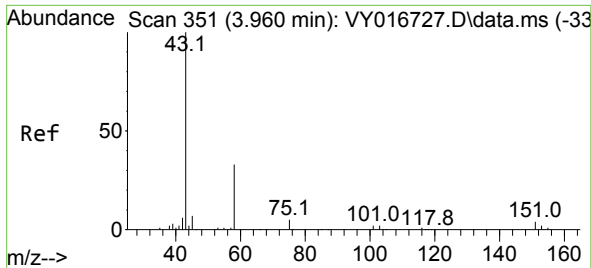
Tgt Ion:168 Resp: 120062
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 26.840 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY016832.D
Acq: 23 Dec 2023 01:40

Tgt Ion: 59 Resp: 2412
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.156 ug/l

RT: 3.991 min Scan# 3

Delta R.T. 0.031 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

Instrument :

MSVOA_Y

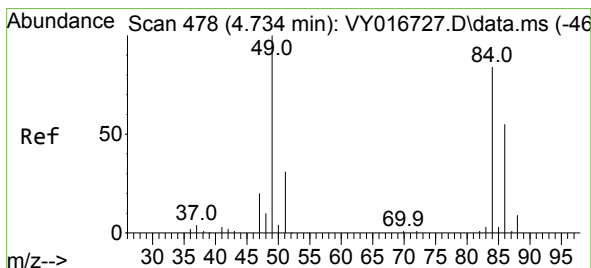
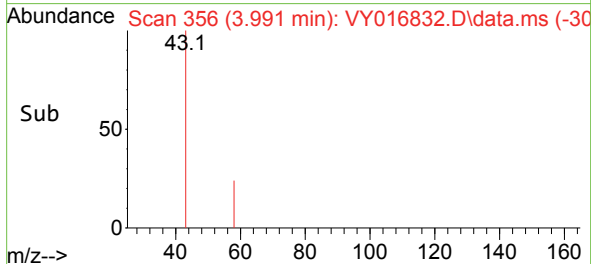
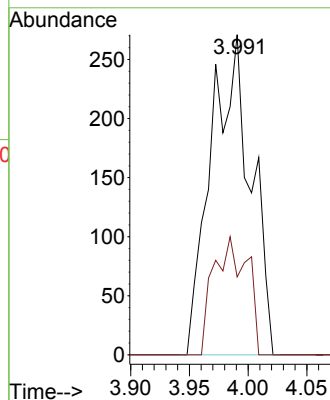
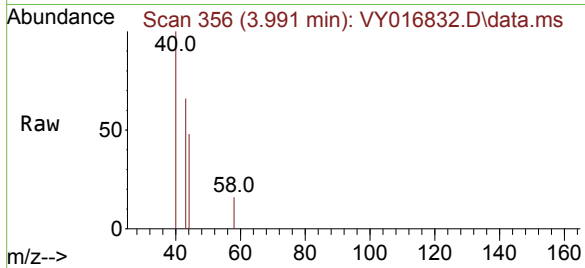
ClientSampleId :

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

58 24.4 26.6 39.8#



#20

Methylene Chloride

Concen: 2.837 ug/l

RT: 4.765 min Scan# 483

Delta R.T. 0.031 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

Tgt Ion: 84 Resp: 8543

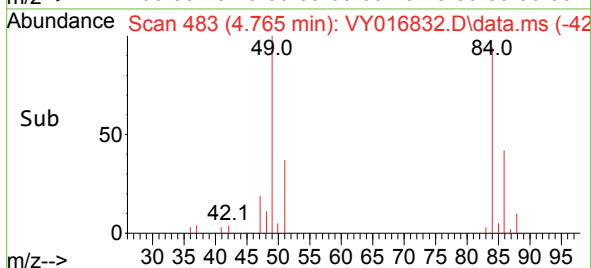
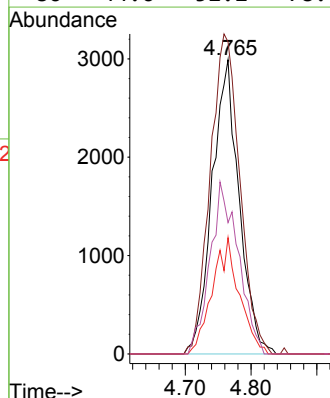
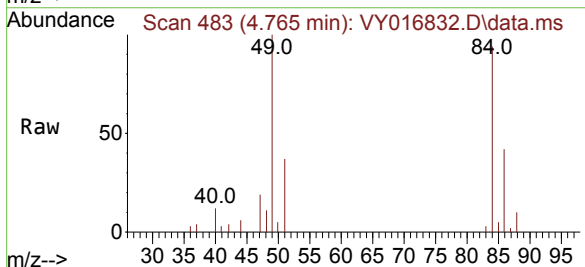
Ion Ratio Lower Upper

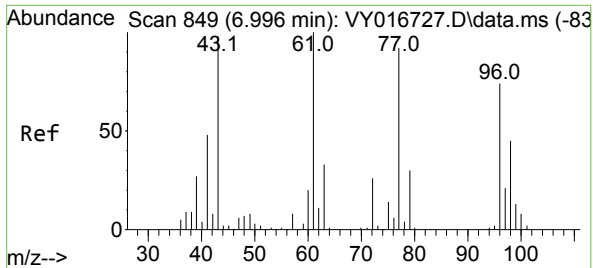
84 100

49 106.0 95.2 142.8

51 39.5 29.9 44.9

86 44.6 52.2 78.4#





#25

2-Butanone

Concen: 2.230 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

Instrument :

MSVOA_Y

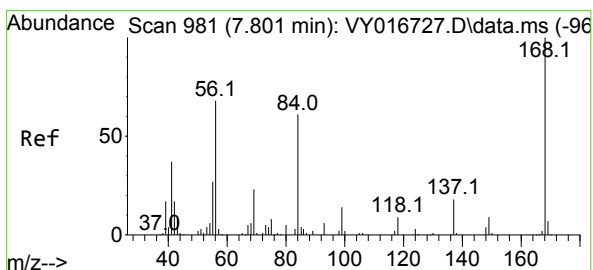
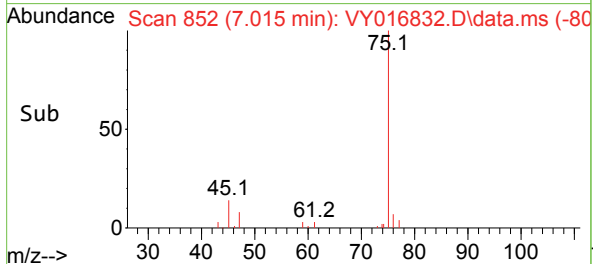
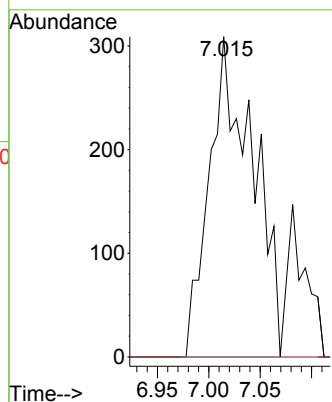
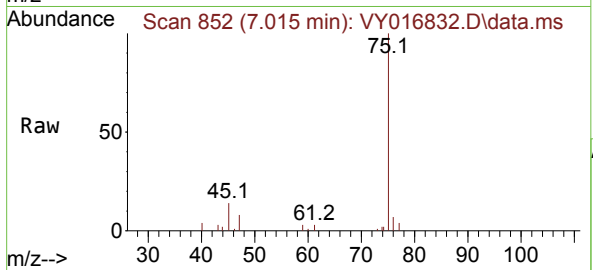
ClientSampleId :

Tgt Ion: 43 Resp: 910

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.819 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

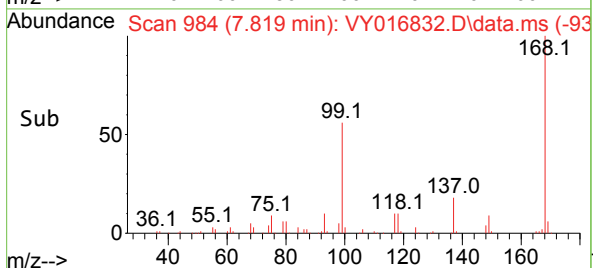
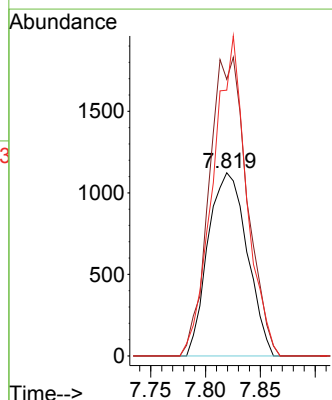
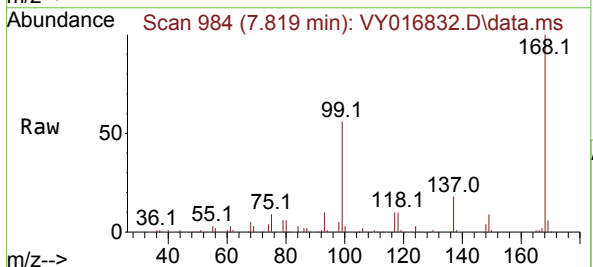
Tgt Ion: 56 Resp: 2785

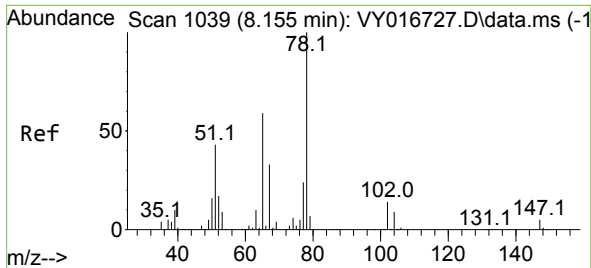
Ion Ratio Lower Upper

56 100

69 151.0 27.0 40.6#

84 145.1 71.8 107.6#

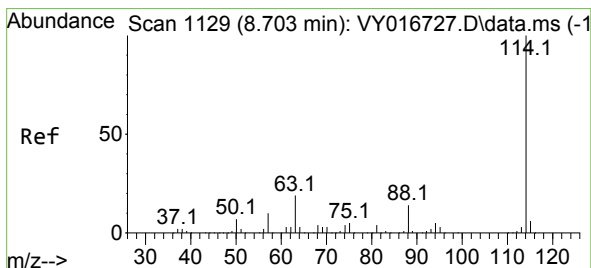
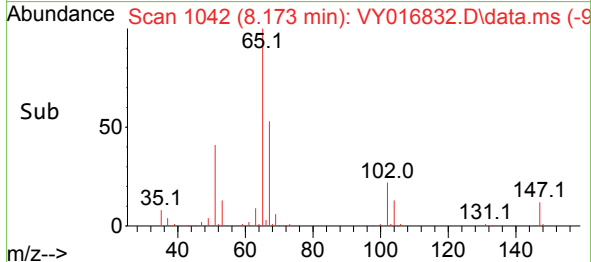
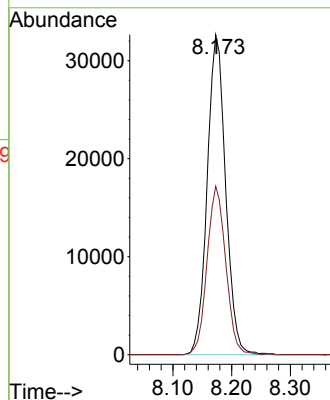
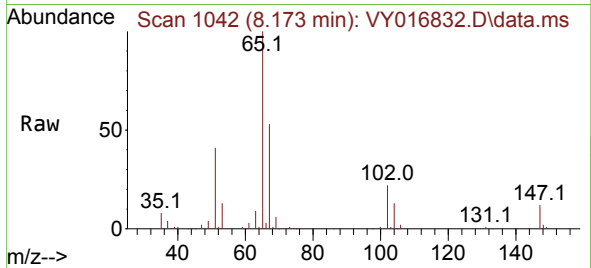




#33
 1,2-Dichloroethane-d4
 Concen: 64.965 ug/l
 RT: 8.173 min Scan# 110
 Delta R.T. 0.018 min
 Lab File: VY016832.D
 Acq: 23 Dec 2023 01:40

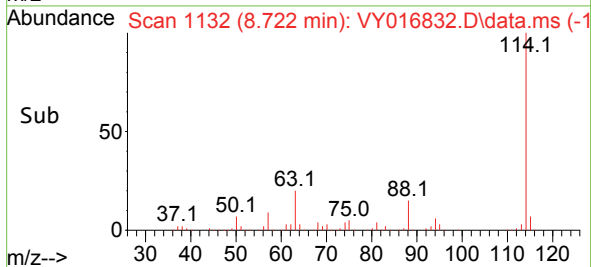
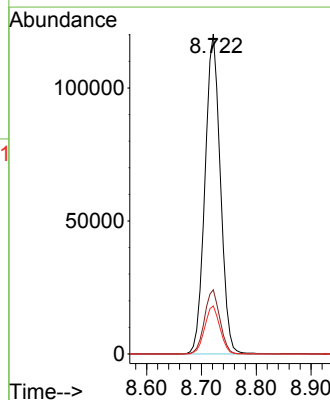
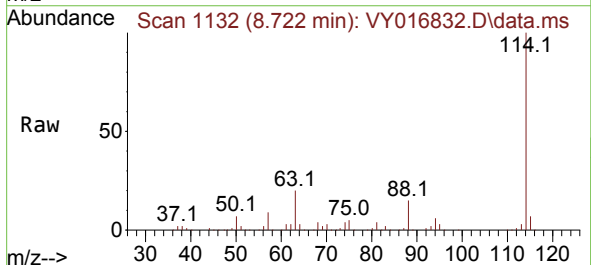
Instrument :
 MSVOA_Y
 ClientSampleId :

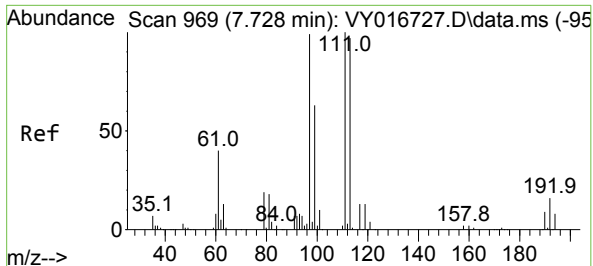
Tgt Ion: 65 Resp: 71204
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.722 min Scan# 1132
 Delta R.T. 0.019 min
 Lab File: VY016832.D
 Acq: 23 Dec 2023 01:40

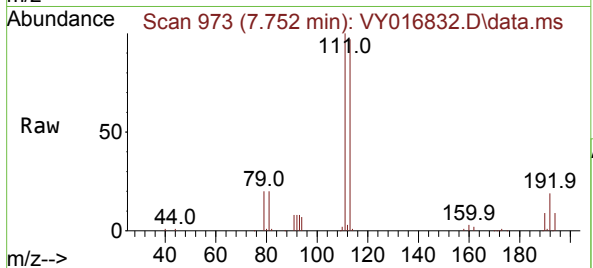
Tgt Ion:114 Resp: 233684
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.4
 88 15.0 0.0 29.0



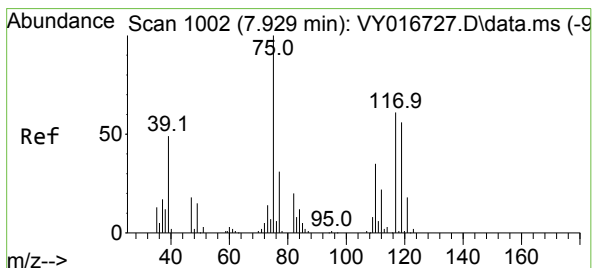
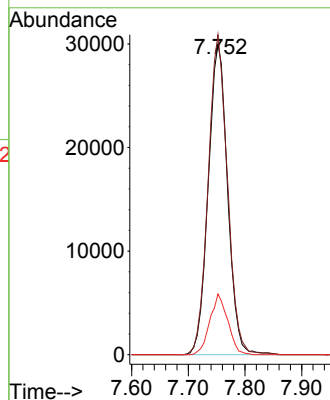
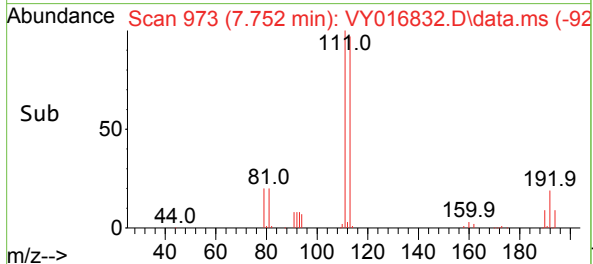


#35
Dibromofluoromethane
Concen: 52.919 ug/l
RT: 7.752 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016832.D
Acq: 23 Dec 2023 01:40

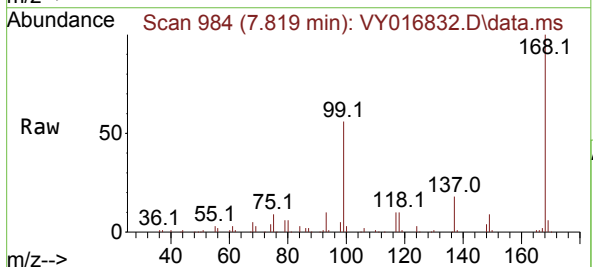
Instrument :
MSVOA_Y
ClientSampleId :



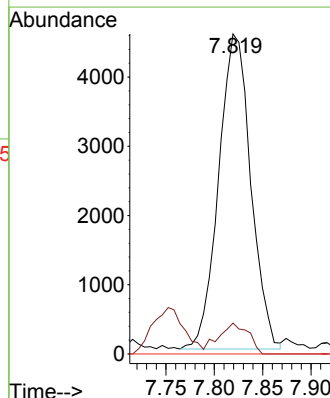
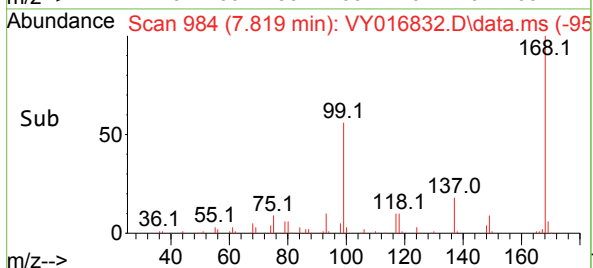
Tgt Ion:113 Resp: 70837
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 18.1 14.5 21.7

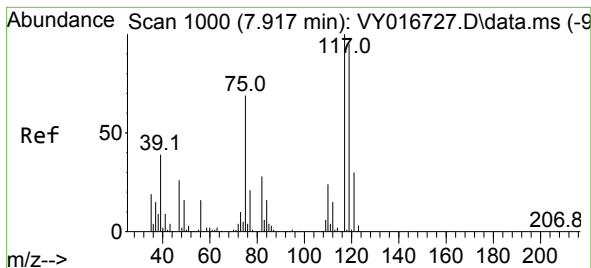


#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016832.D
Acq: 23 Dec 2023 01:40



Tgt Ion: 75 Resp: 10530
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.770 ug/l

RT: 7.825 min Scan# 91

Delta R.T. -0.091 min

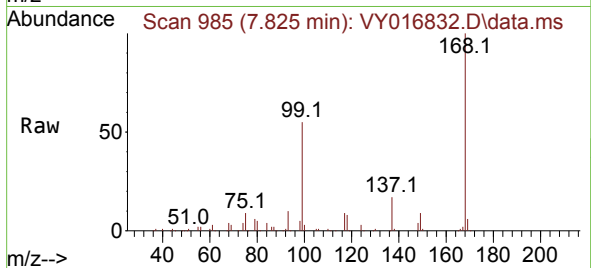
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Acq: 23 Dec 2023 01:40

Instrument :

MSVOA_Y

ClientSampleId :



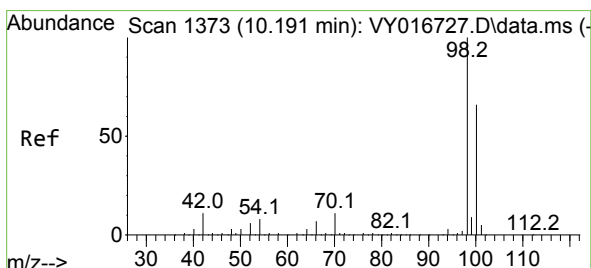
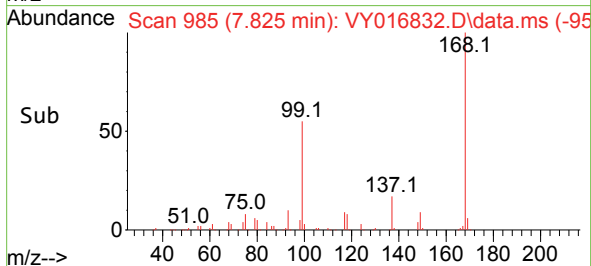
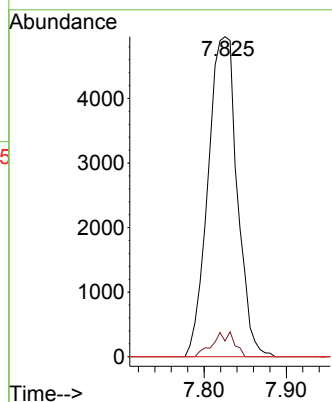
Tgt Ion:117 Resp: 12253

Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.810 ug/l

RT: 10.209 min Scan# 1376

Delta R.T. 0.018 min

Lab File: VY016832.D

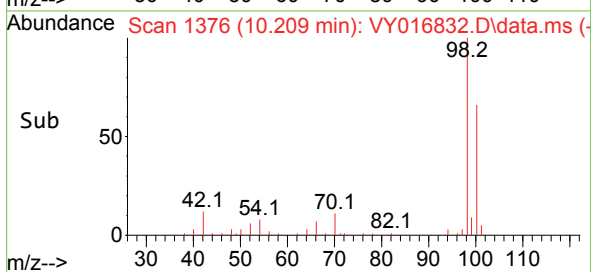
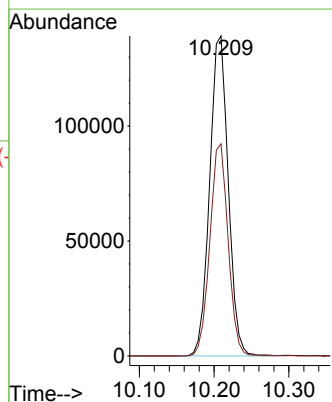
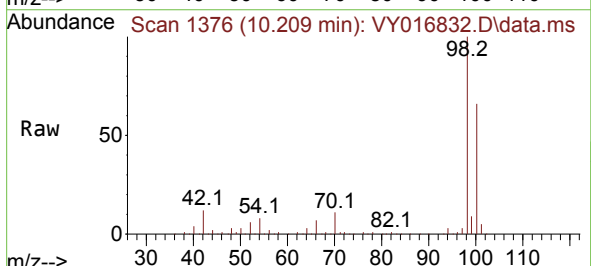
Acq: 23 Dec 2023 01:40

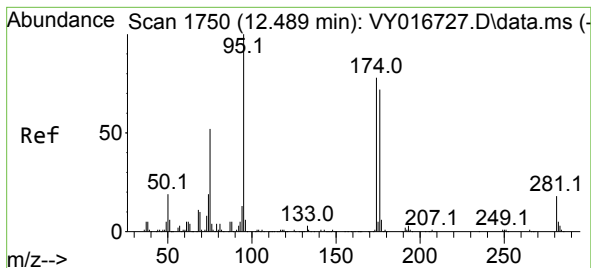
Tgt Ion: 98 Resp: 240358

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 46.586 ug/l

RT: 12.507 min Scan# 1

Delta R.T. 0.018 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

Instrument :

MSVOA_Y

ClientSampleId :

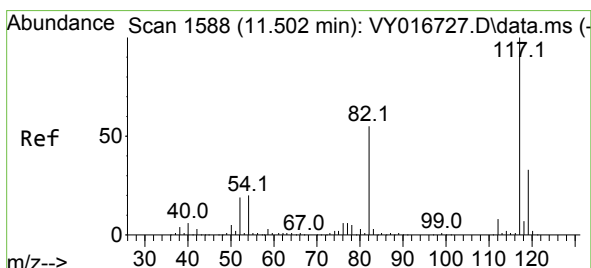
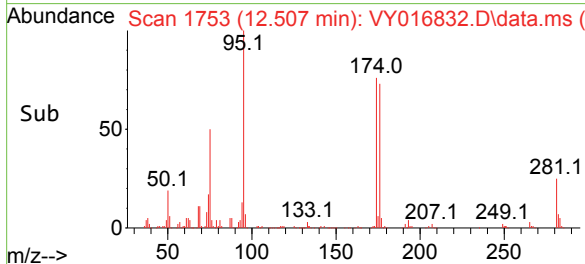
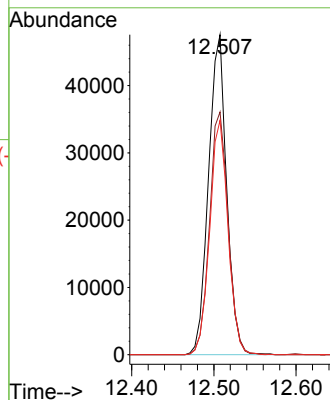
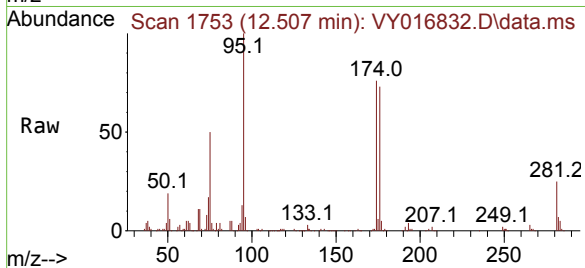
Tgt Ion: 95 Resp: 72932

Ion Ratio Lower Upper

95 100

174 78.3 0.0 160.0

176 73.9 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.012 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

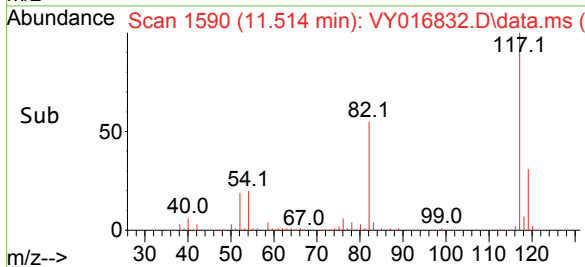
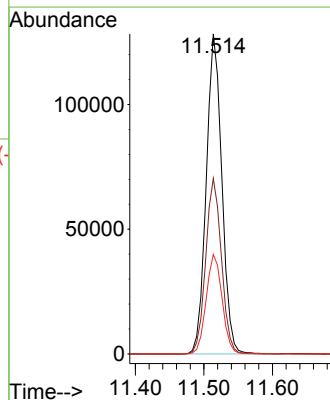
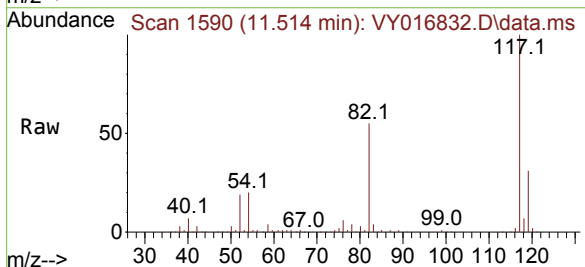
Tgt Ion: 117 Resp: 203676

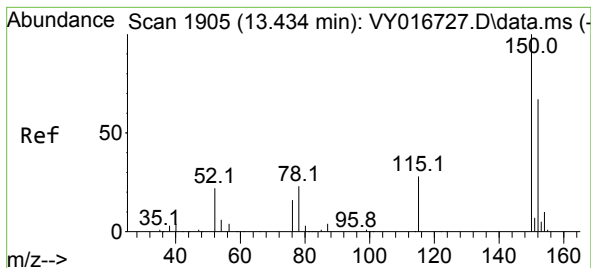
Ion Ratio Lower Upper

117 100

82 54.9 43.8 65.8

119 31.1 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016832.D

Acq: 23 Dec 2023 01:40

Instrument :

MSVOA_Y

ClientSampleId :

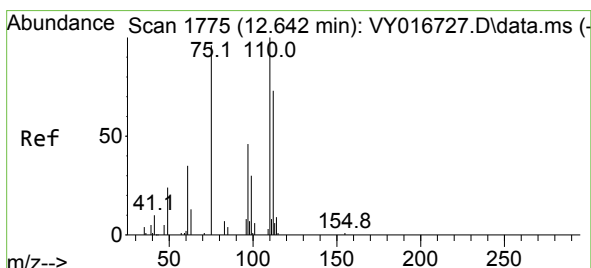
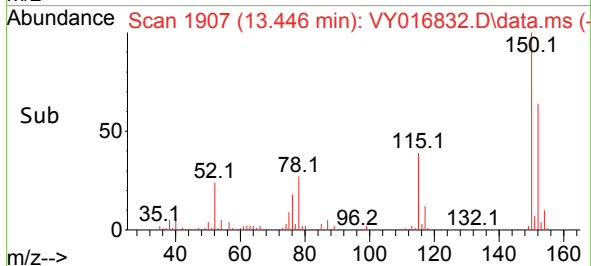
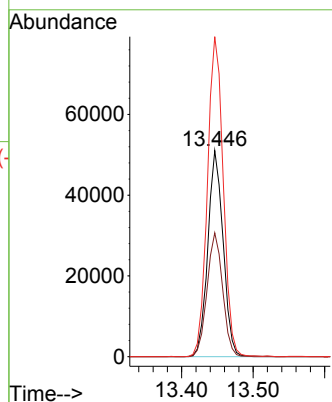
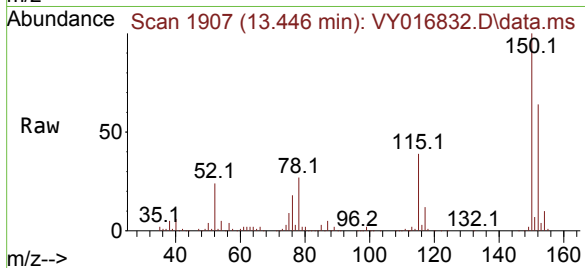
Tgt Ion:152 Resp: 76031

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

150 160.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 46.508 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016832.D

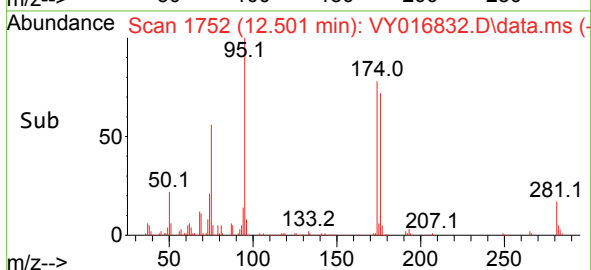
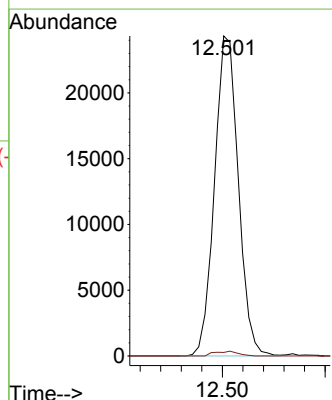
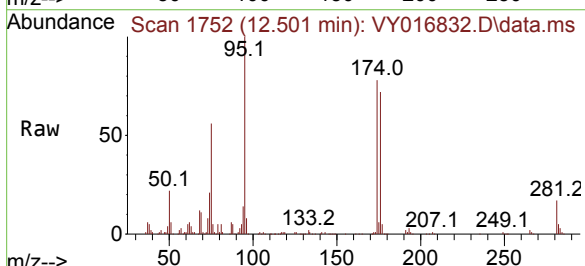
Acq: 23 Dec 2023 01:40

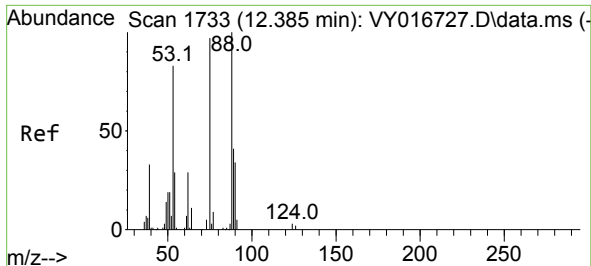
Tgt Ion: 75 Resp: 39089

Ion Ratio Lower Upper

75 100

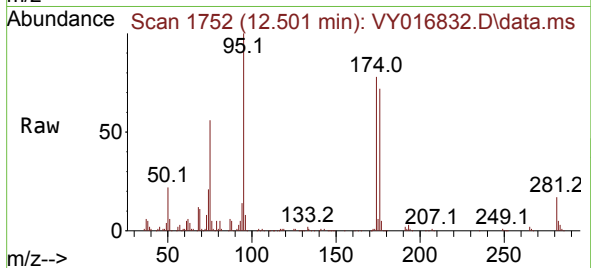
77 1.5 0.0 0.0#



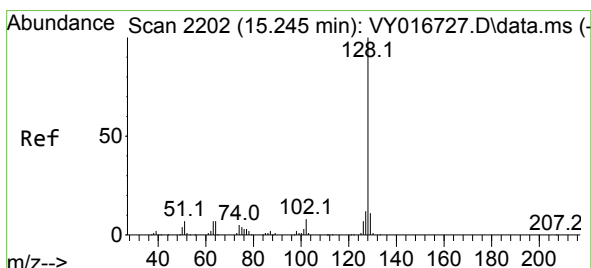
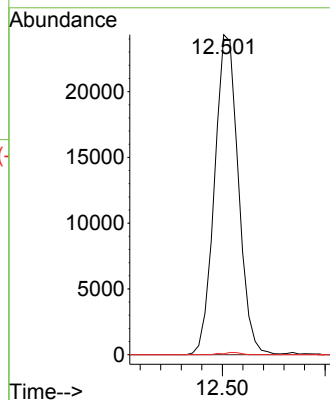
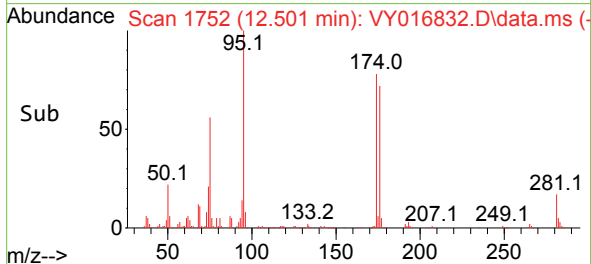


#81
trans-1,4-Dichloro-2-butene
Concen: 109.221 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016832.D
Acq: 23 Dec 2023 01:40

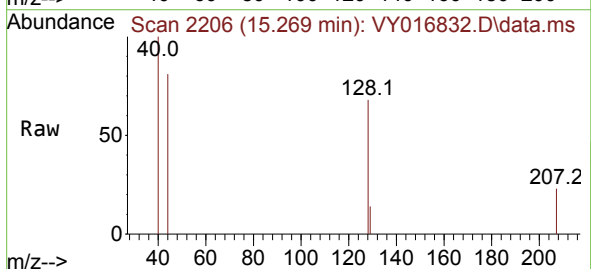
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 39089
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.5 36.5 54.7#



#95
Naphthalene
Concen: 3.794 ug/l
RT: 15.269 min Scan# 2206
Delta R.T. 0.024 min
Lab File: VY016832.D
Acq: 23 Dec 2023 01:40



Tgt Ion: 128 Resp: 529
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 7.8 8.6 12.8#

