

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016840.D
 Acq On : 23 Dec 2023 05:31
 Operator : SY/MD
 Sample : 05957-12
 Misc : 3.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 06:09:09 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)

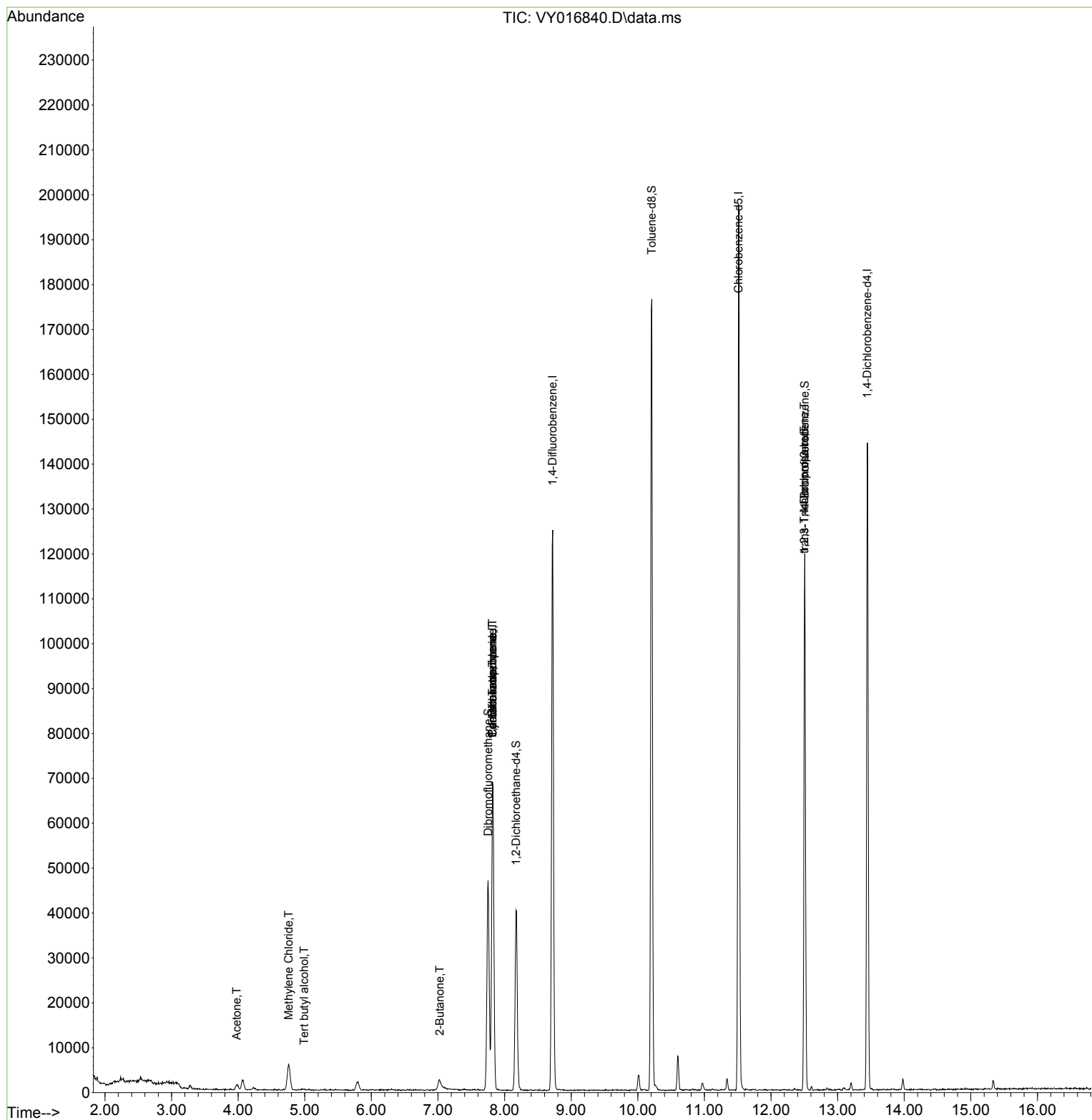
Internal Standards						
1) Pentafluorobenzene	7.819	168	52500	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	108359	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	105901	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	37578	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	31991	66.750	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.500%	
35) Dibromofluoromethane	7.752	113	34302	55.263	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.520%	
50) Toluene-d8	10.209	98	119085	53.220	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.440%	
62) 4-Bromofluorobenzene	12.508	95	35201	48.490	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.991	59	362	9.212	ug/l #	75
16) Acetone	3.979	43	2550	19.676	ug/l	90
20) Methylene Chloride	4.759	84	4486	3.989	ug/l	93
25) 2-Butanone	7.027	43	482	2.701	ug/l	93
31) Cyclohexane	7.819	56	1284	1.398	ug/l #	43
36) 1,1-Dichloropropene	7.819	75	4508	4.530	ug/l #	48
38) Carbon Tetrachloride	7.819	117	5735	5.824	ug/l #	16
76) 1,2,3-Trichloropropane	12.502	75	19390	46.677	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	19390	109.619	ug/l #	12

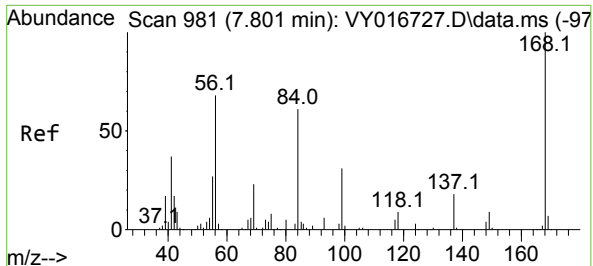
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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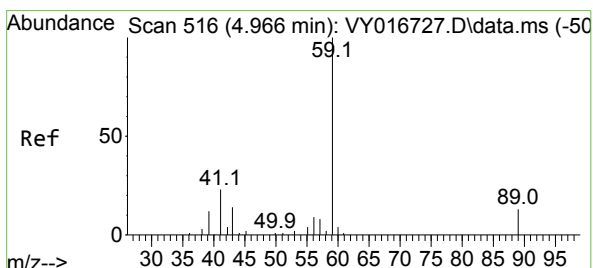
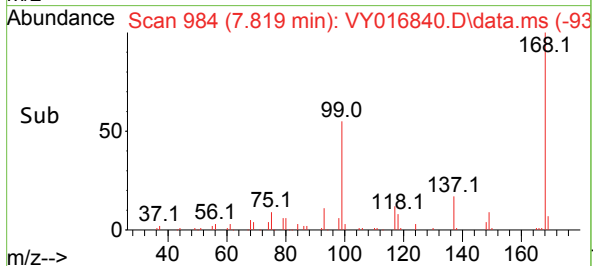
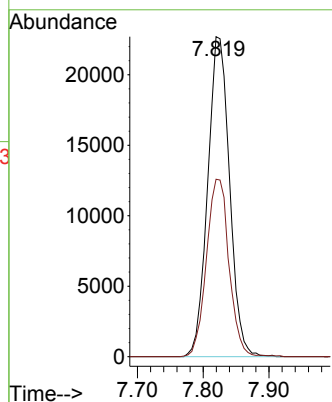
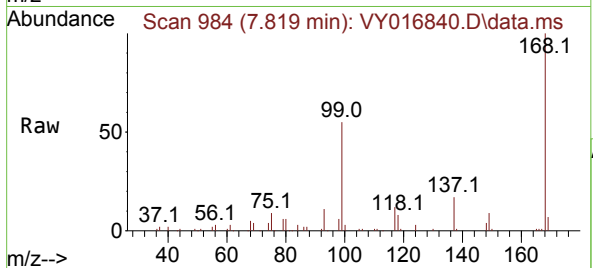




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

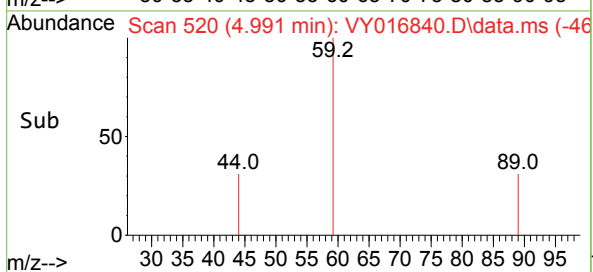
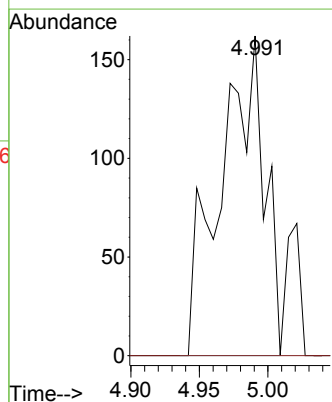
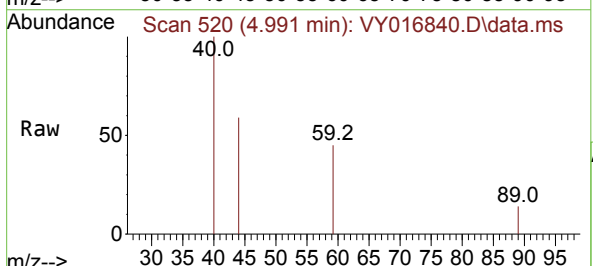
Instrument :
MSVOA_Y
ClientSampleId :

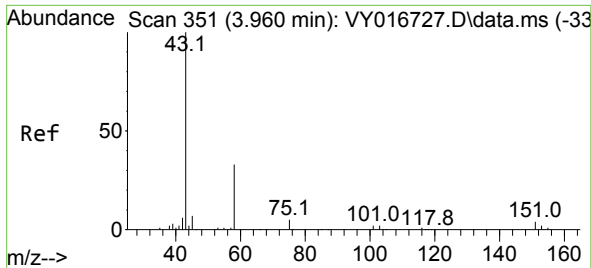
Tgt Ion:168 Resp: 52500
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 9.212 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.025 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 19.676 ug/l

RT: 3.979 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY016840.D

Acq: 23 Dec 2023 05:31

Instrument :

MSVOA_Y

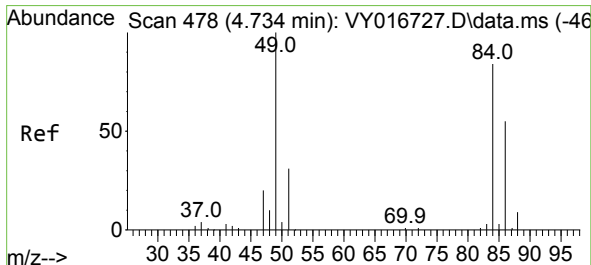
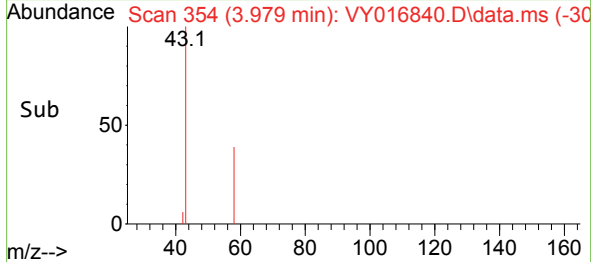
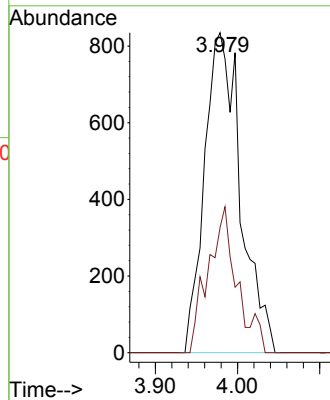
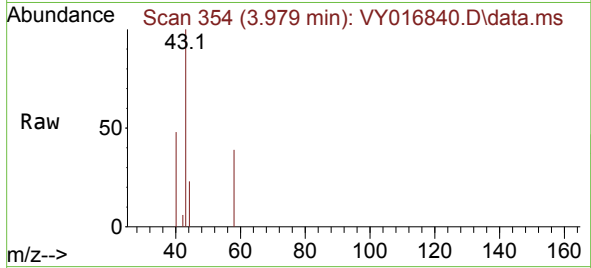
ClientSampleId :

Tgt Ion: 43 Resp: 2550

Ion Ratio Lower Upper

43 100

58 39.0 26.6 39.8



#20

Methylene Chloride

Concen: 3.989 ug/l

RT: 4.759 min Scan# 482

Delta R.T. 0.025 min

Lab File: VY016840.D

Acq: 23 Dec 2023 05:31

Tgt Ion: 84 Resp: 4486

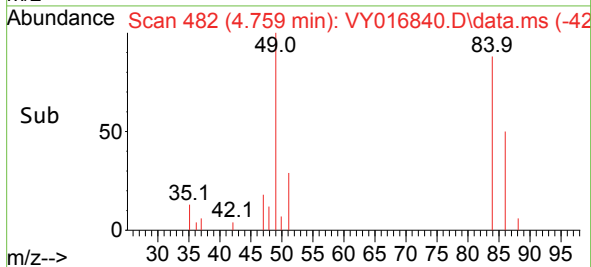
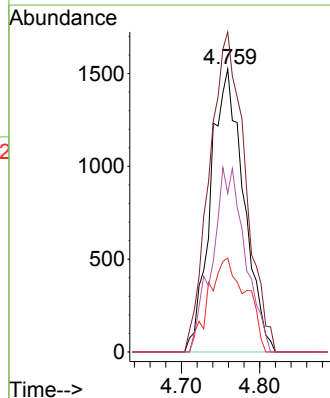
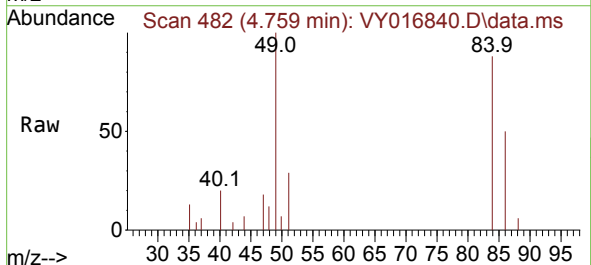
Ion Ratio Lower Upper

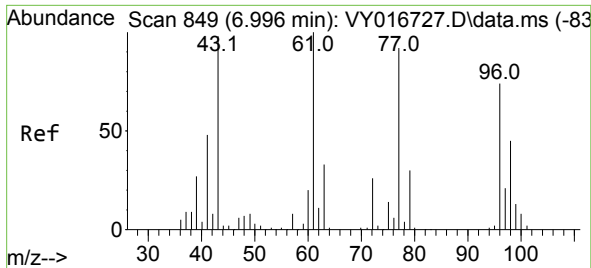
84 100

49 113.1 95.2 142.8

51 33.2 29.9 44.9

86 56.0 52.2 78.4

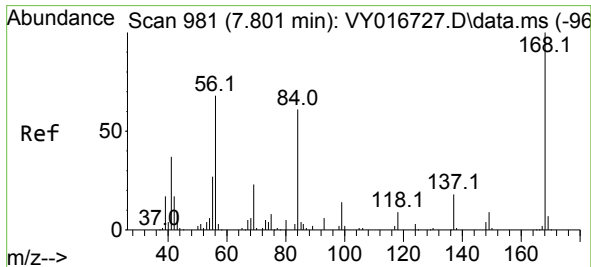
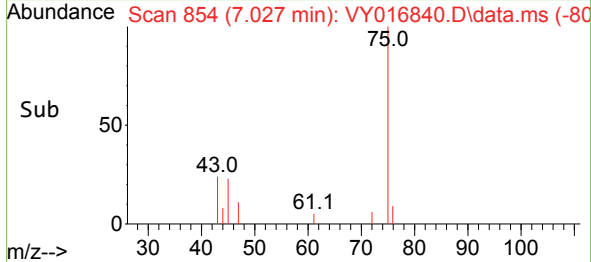
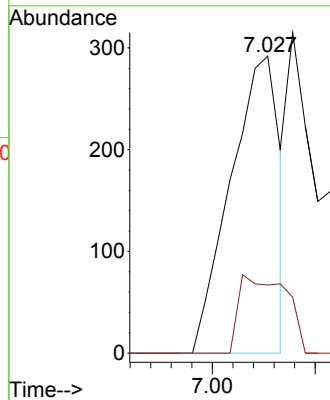
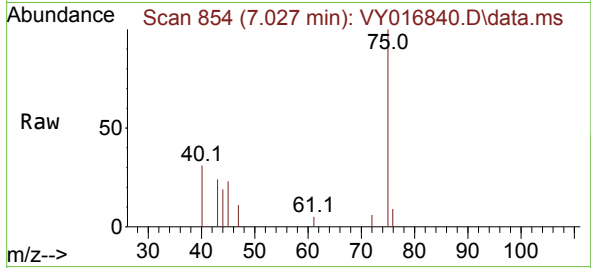




#25
2-Butanone
Concen: 2.701 ug/l
RT: 7.027 min Scan# 849
Delta R.T. 0.031 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

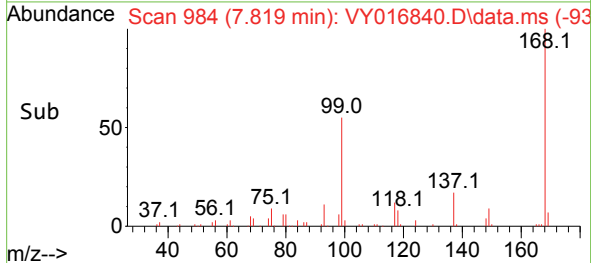
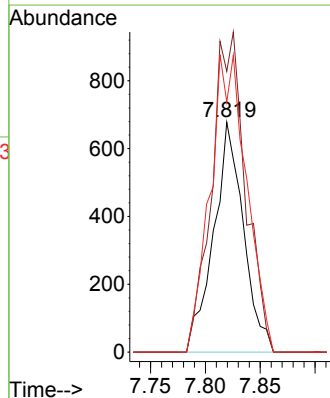
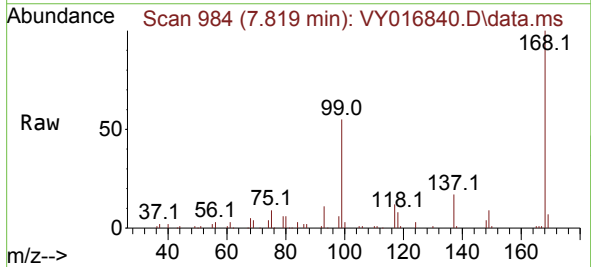
Instrument :
MSVOA_Y
ClientSampleId :

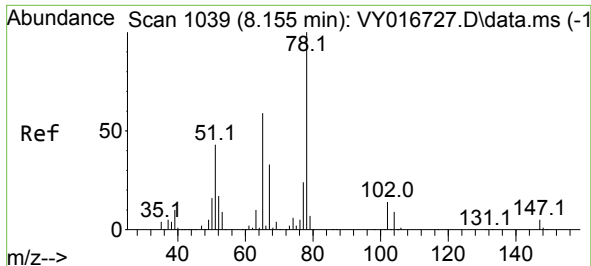
Tgt Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
72 22.9 21.4 32.2



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

Tgt Ion: 56 Resp: 1284
Ion Ratio Lower Upper
56 100
69 122.1 27.0 40.6#
84 108.7 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 66.750 ug/l

RT: 8.173 min Scan# 1132

Delta R.T. 0.018 min

Lab File: VY016840.D

Acq: 23 Dec 2023 05:31

Instrument :

MSVOA_Y

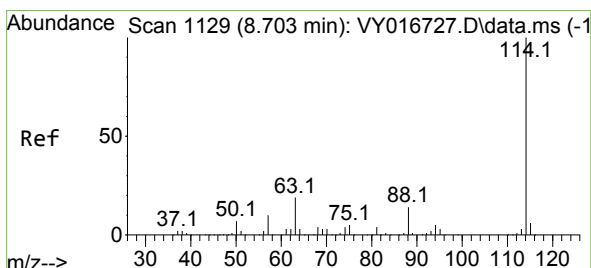
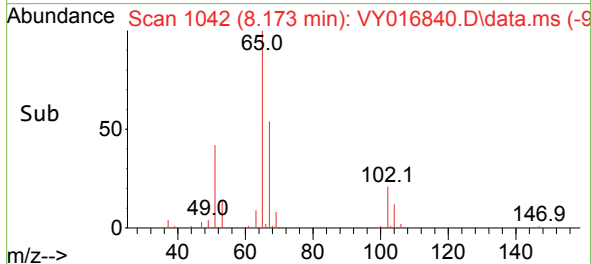
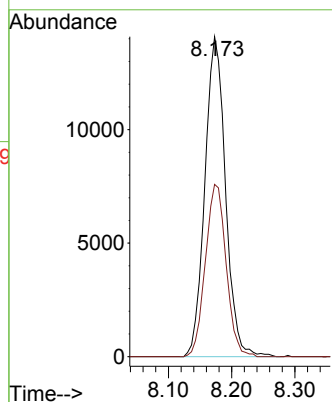
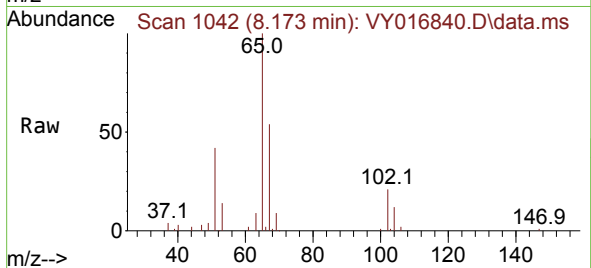
ClientSampleId :

Tgt Ion: 65 Resp: 31991

Ion Ratio Lower Upper

65 100

67 54.2 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: VY016840.D

Acq: 23 Dec 2023 05:31

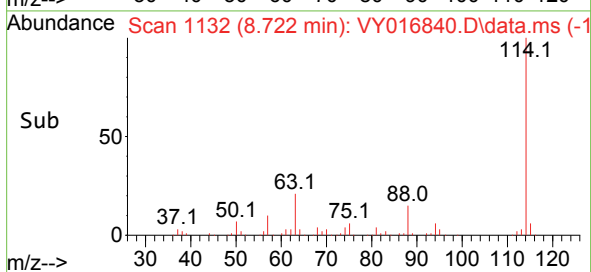
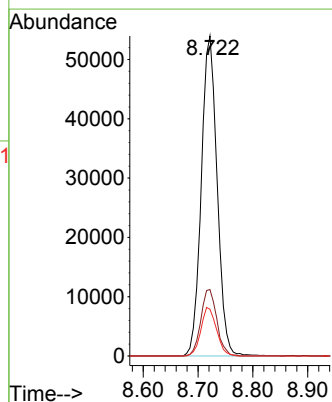
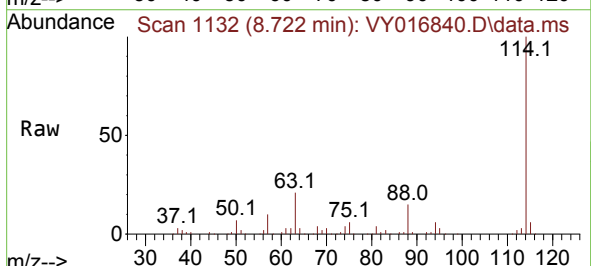
Tgt Ion: 114 Resp: 108359

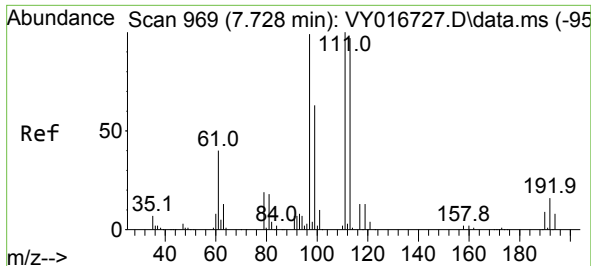
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 14.6 0.0 29.0

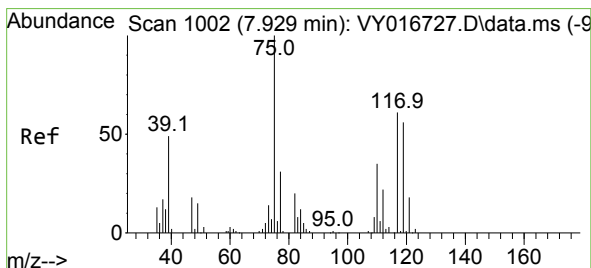
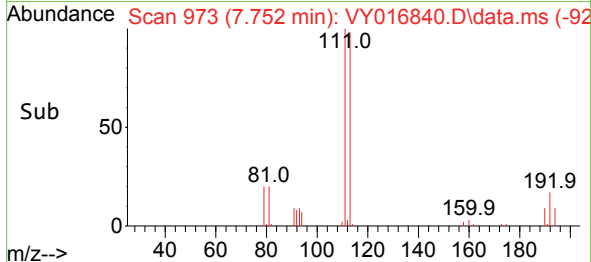
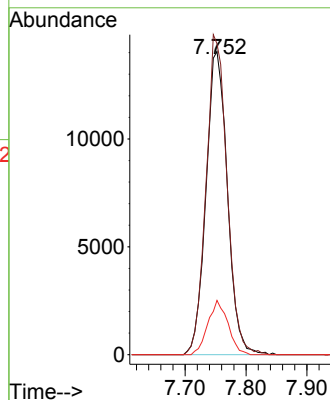
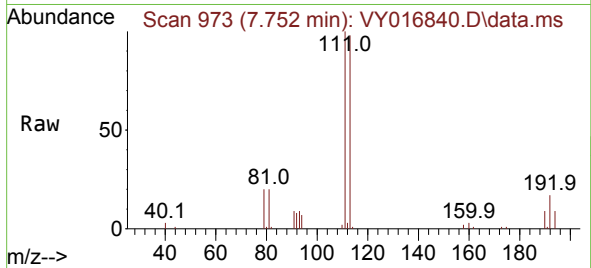




#35
Dibromofluoromethane
Concen: 55.263 ug/l
RT: 7.752 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

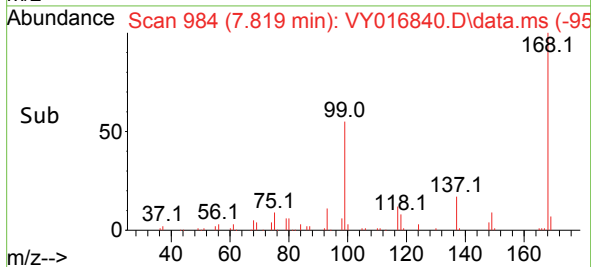
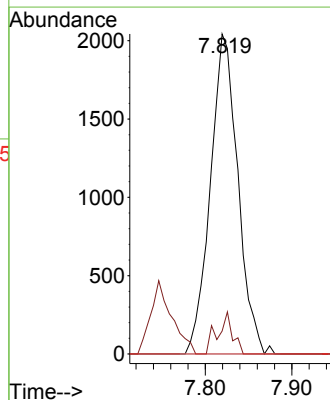
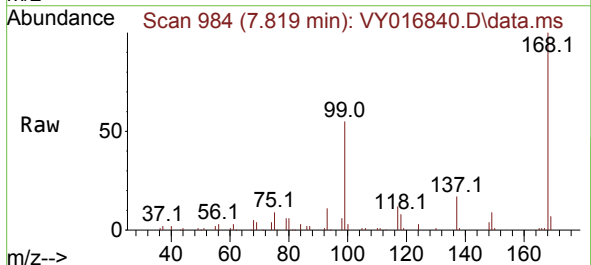
Instrument :
MSVOA_Y
ClientSampleId :

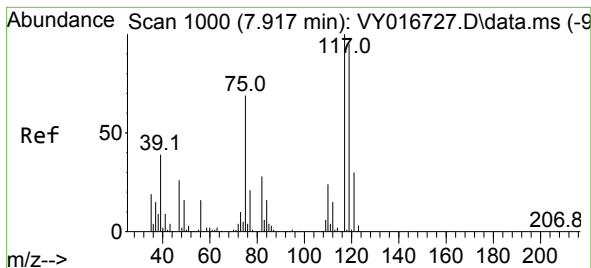
Tgt Ion:113 Resp: 34302
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 16.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

Tgt Ion: 75 Resp: 4508
Ion Ratio Lower Upper
75 100
110 7.1 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.824 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.097 min

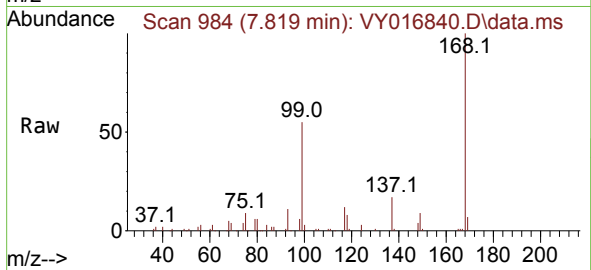
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Acq: 23 Dec 2023 05:31

Instrument :

MSVOA_Y

ClientSampleId :



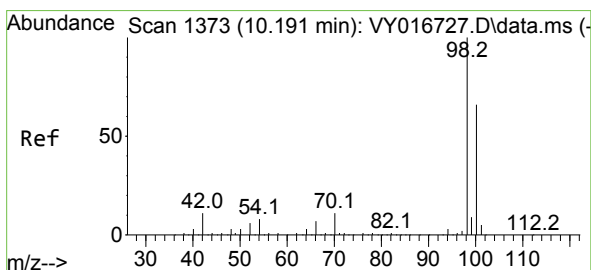
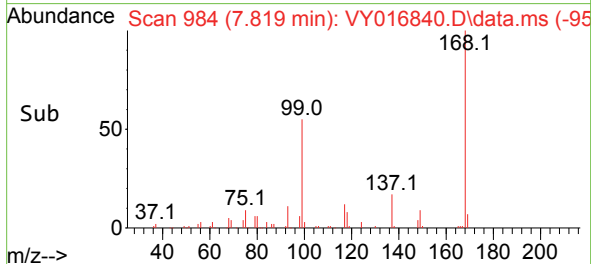
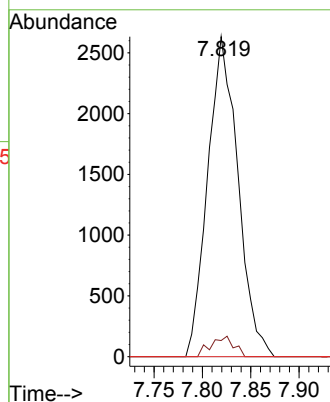
Tgt Ion:117 Resp: 5735

Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.220 ug/l

RT: 10.209 min Scan# 1376

Delta R.T. 0.018 min

Lab File: VY016840.D

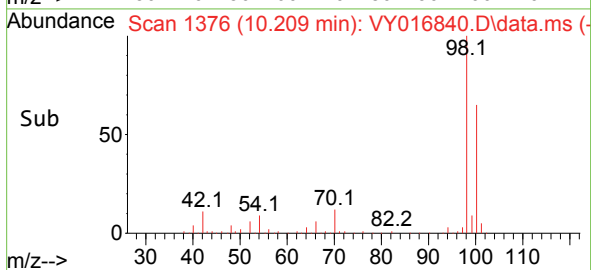
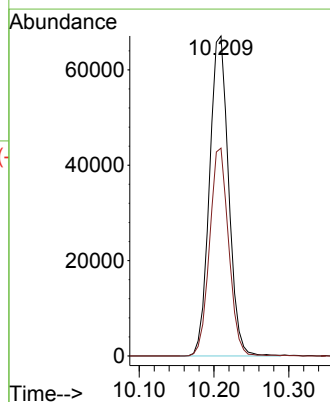
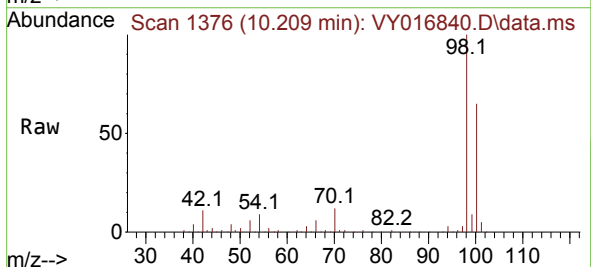
Acq: 23 Dec 2023 05:31

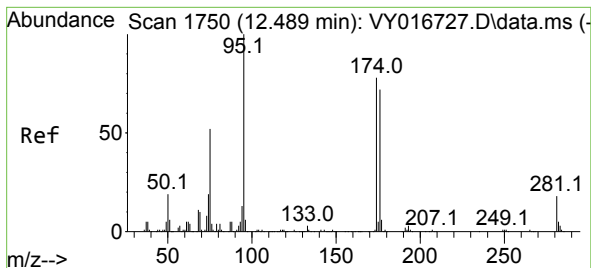
Tgt Ion: 98 Resp: 119085

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

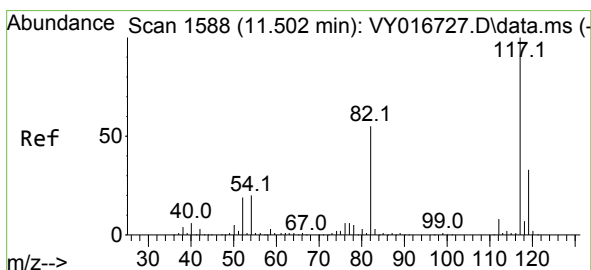
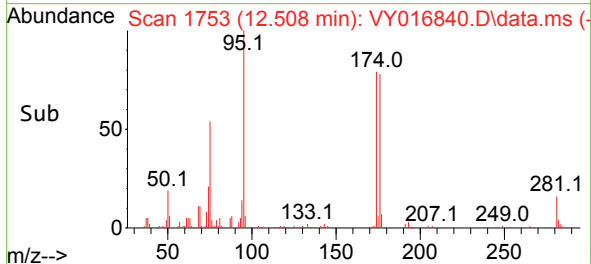
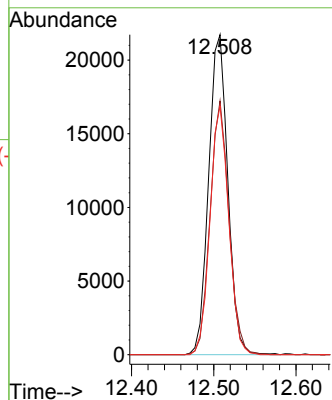
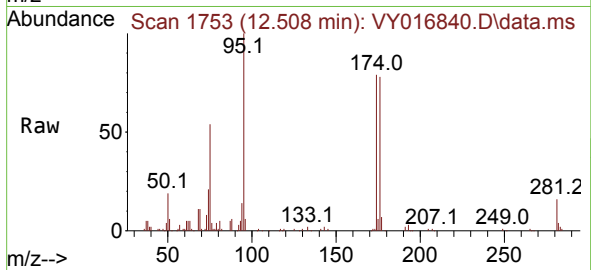




#62
4-Bromofluorobenzene
Concen: 48.490 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.018 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

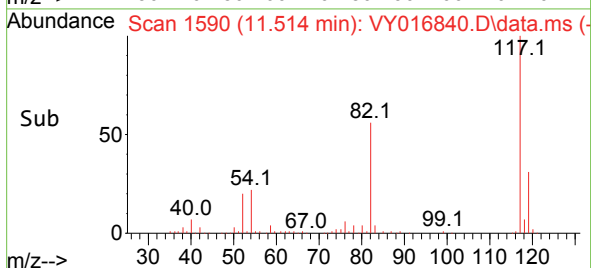
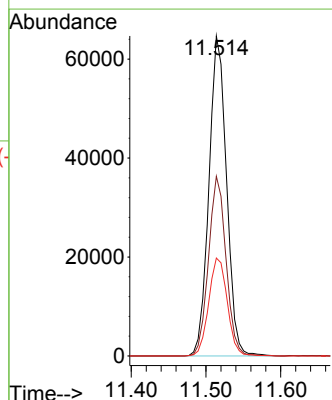
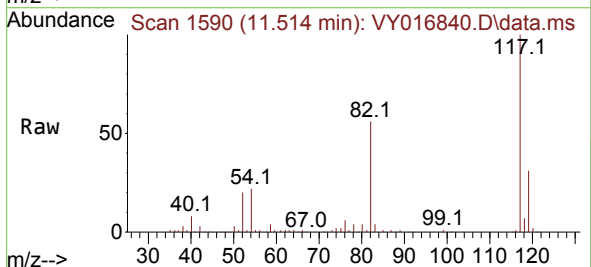
Instrument :
MSVOA_Y
ClientSampleId :

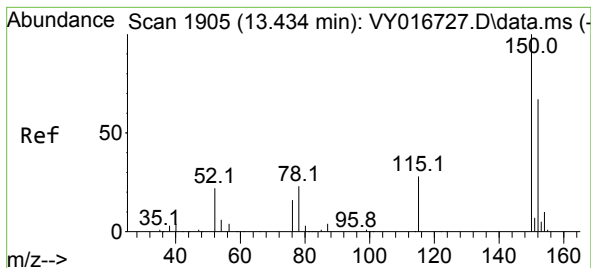
Tgt Ion: 95 Resp: 35201
Ion Ratio Lower Upper
95 100
174 78.2 0.0 160.0
176 75.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016840.D
Acq: 23 Dec 2023 05:31

Tgt Ion: 117 Resp: 105901
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 30.6 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: VY016840.D

Acq: 23 Dec 2023 05:31

Instrument :

MSVOA_Y

ClientSampleId :

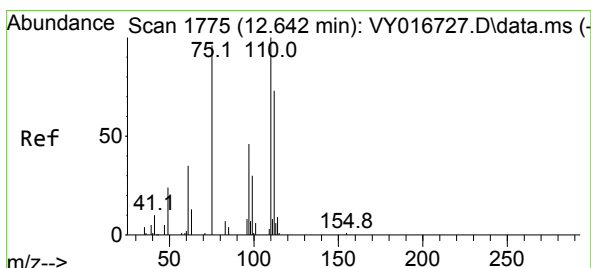
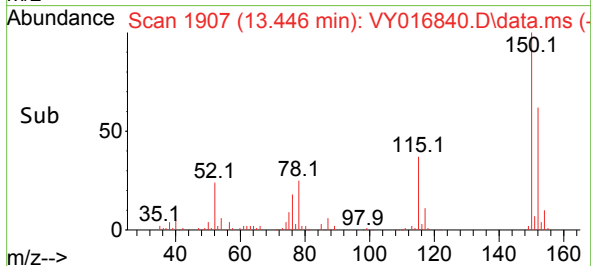
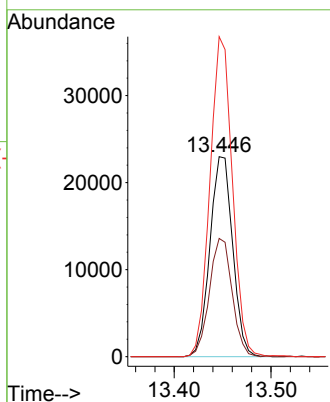
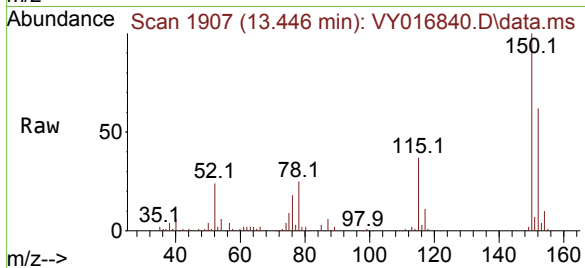
Tgt Ion:152 Resp: 37578

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 157.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 46.677 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016840.D

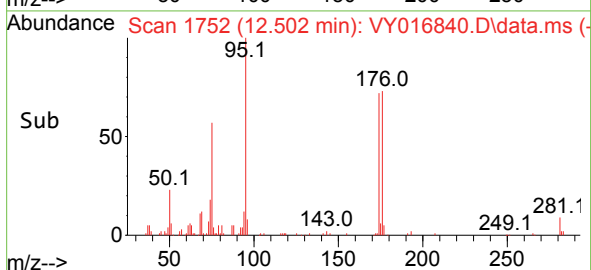
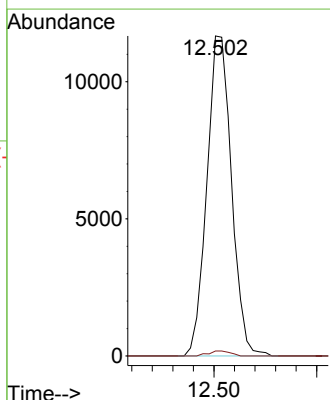
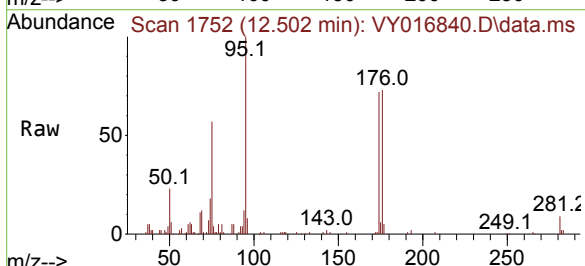
Acq: 23 Dec 2023 05:31

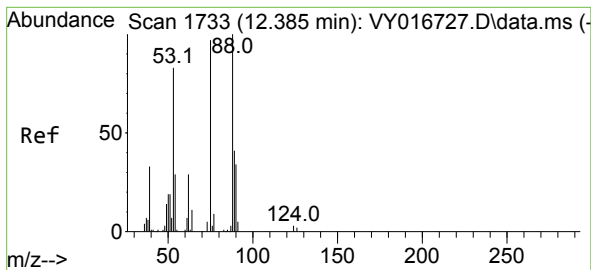
Tgt Ion: 75 Resp: 19390

Ion Ratio Lower Upper

75 100

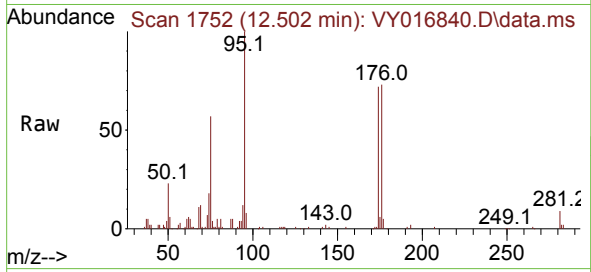
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.619 ug/l
 RT: 12.502 min Scan# 11
 Delta R.T. 0.116 min
 Lab File: VY016840.D
 Acq: 23 Dec 2023 05:31

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.0	111.0#
89	0.0	36.5	54.7#

