

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016816.D
 Acq On : 22 Dec 2023 18:20
 Operator : SY/MD
 Sample : 05877-20
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:03:17 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)

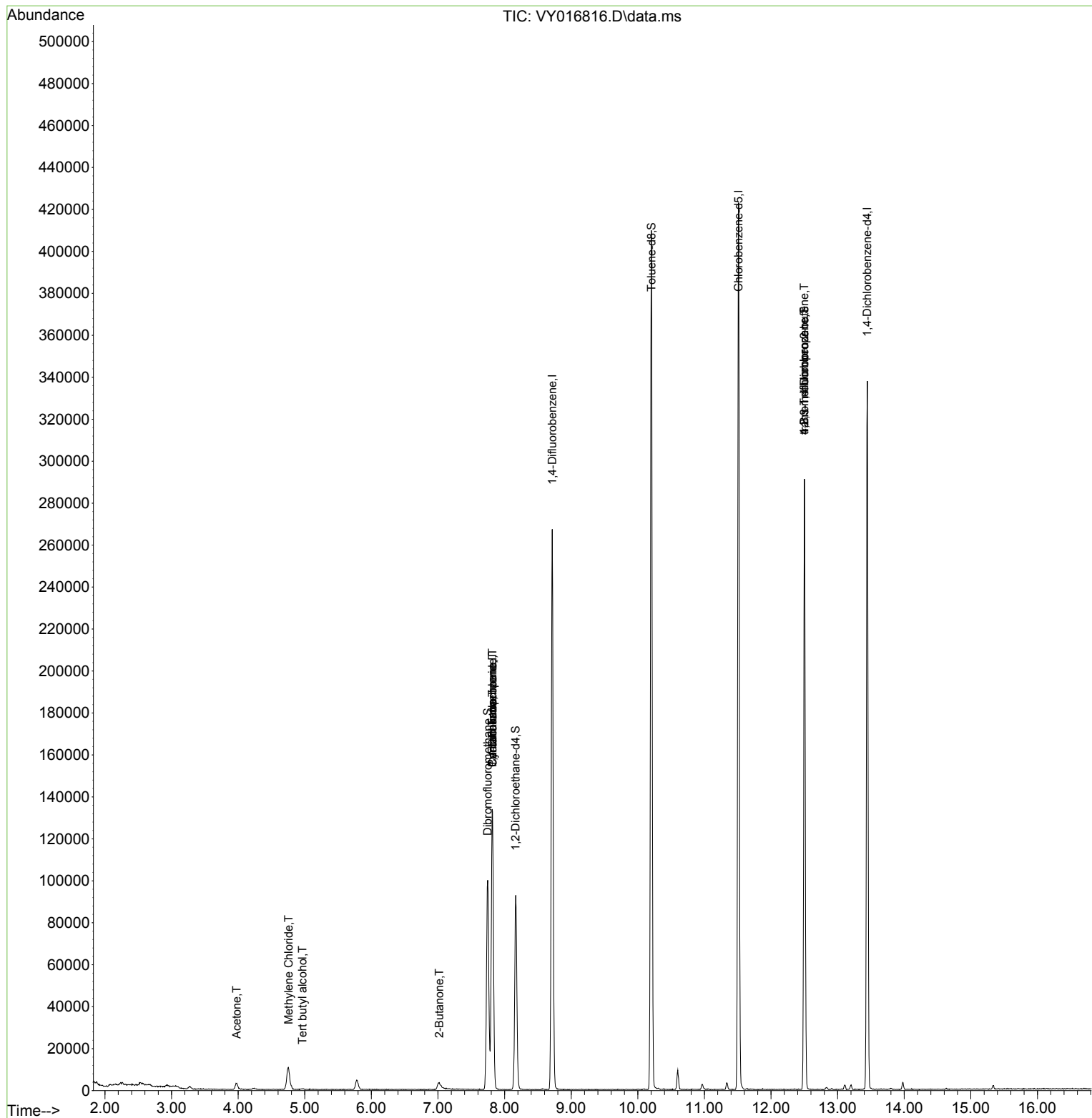
Internal Standards						
1) Pentafluorobenzene	7.819	168	101648	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	226804	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	230906	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	86290	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	71731	77.302	ug/l	0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	=	154.600%	
35) Dibromofluoromethane	7.746	113	74781	57.560	ug/l	0.02
Spiked Amount	50.000	Range 54 - 147	Recovery	=	115.120%	
50) Toluene-d8	10.203	98	263403	56.241	ug/l	0.01
Spiked Amount	50.000	Range 58 - 134	Recovery	=	112.480%	
62) 4-Bromofluorobenzene	12.501	95	87250	57.422	ug/l	0.01
Spiked Amount	50.000	Range 30 - 143	Recovery	=	114.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	534	7.019	ug/l #	75
16) Acetone	3.979	43	5420	21.600	ug/l	94
20) Methylene Chloride	4.759	84	8035	3.473	ug/l	92
25) 2-Butanone	7.021	43	816	2.362	ug/l #	78
31) Cyclohexane	7.819	56	2245	1.263	ug/l #	9
36) 1,1-Dichloropropene	7.819	75	9091	4.365	ug/l #	49
38) Carbon Tetrachloride	7.819	117	10556	5.122	ug/l #	17
76) 1,2,3-Trichloropropane	12.501	75	45611	47.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	45611	112.292	ug/l #	12

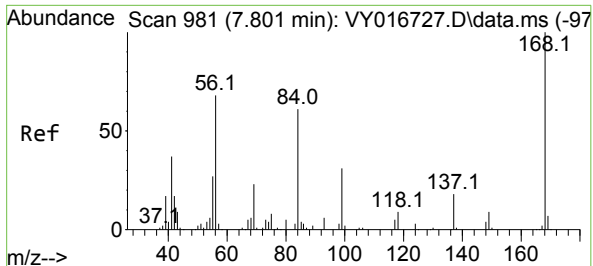
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
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Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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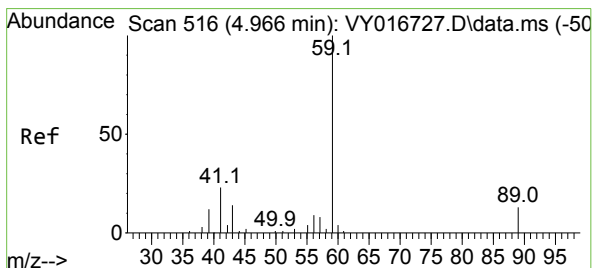
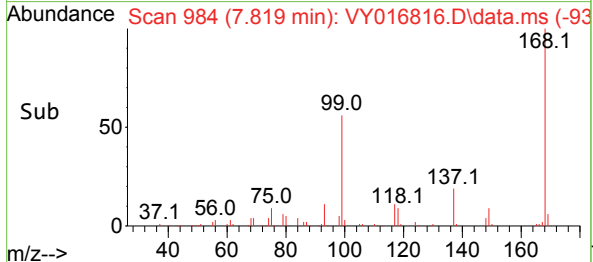
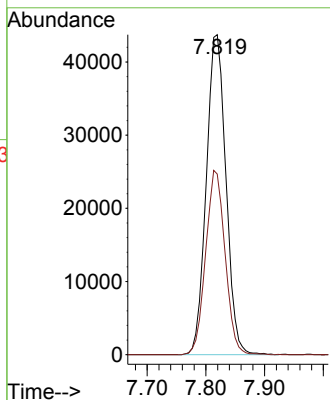
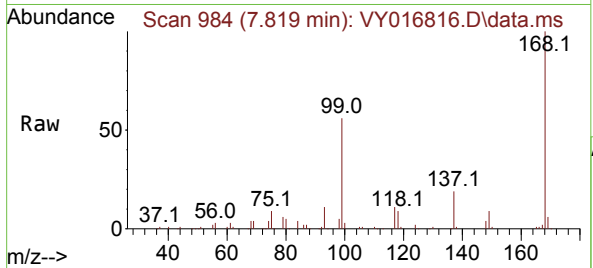




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

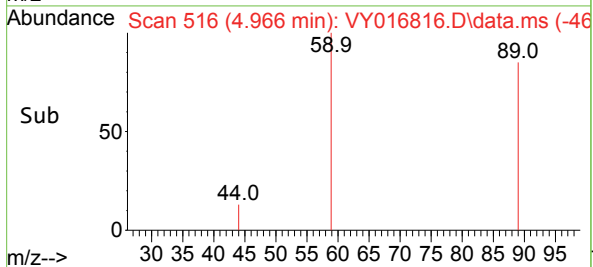
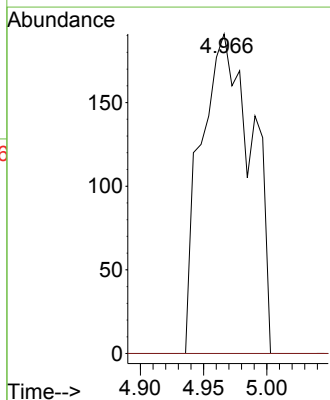
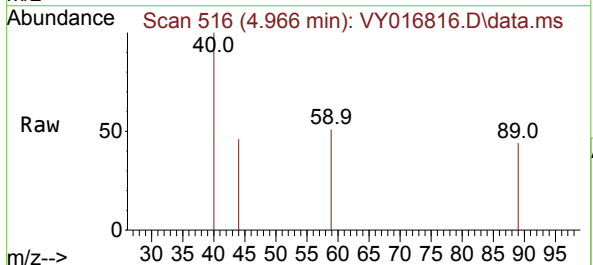
Instrument :
MSVOA_Y
ClientSampleId :

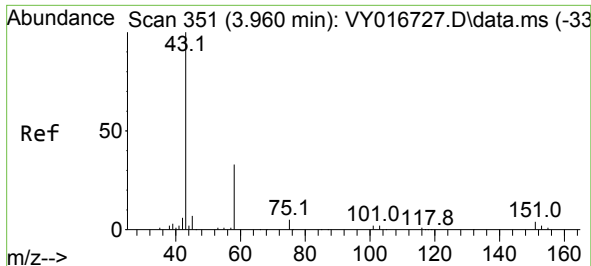
Tgt Ion:168 Resp: 101648
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 7.019 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

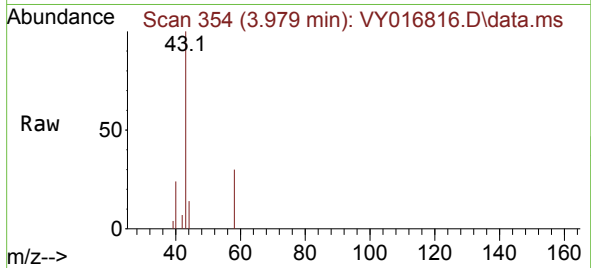
Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



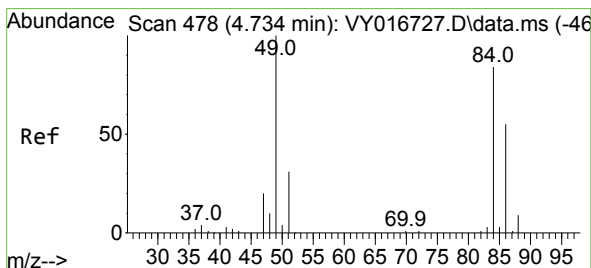
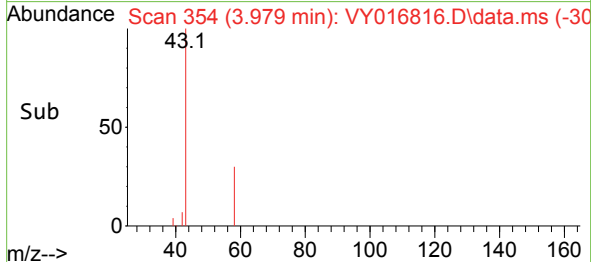
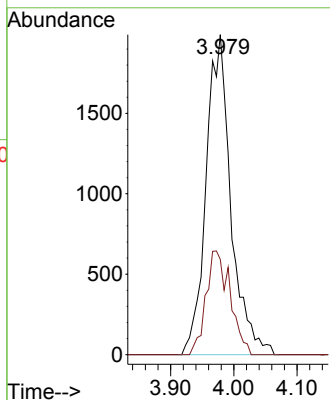


#16
Acetone
Concen: 21.600 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :

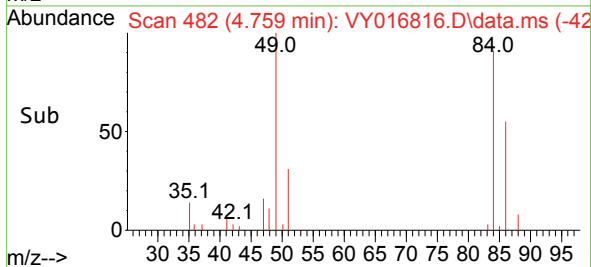
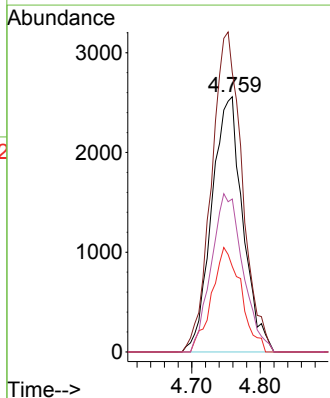
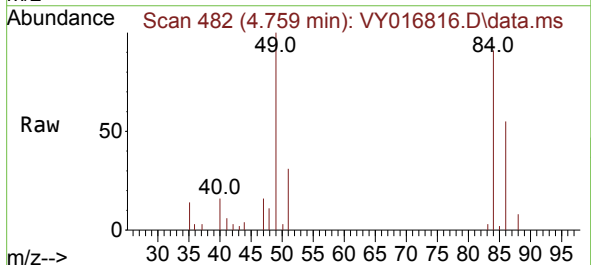


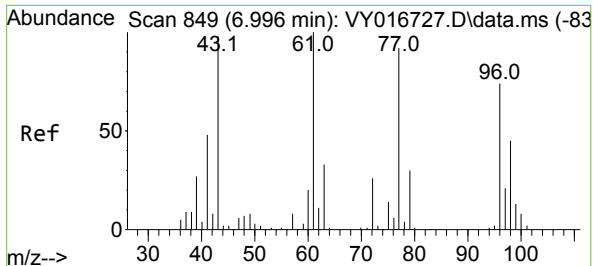
Tgt Ion: 43 Resp: 5420
Ion Ratio Lower Upper
43 100
58 29.8 26.6 39.8



#20
Methylene Chloride
Concen: 3.473 ug/l
RT: 4.759 min Scan# 482
Delta R.T. 0.025 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

Tgt Ion: 84 Resp: 8035
Ion Ratio Lower Upper
84 100
49 109.4 95.2 142.8
51 33.5 29.9 44.9
86 59.9 52.2 78.4





#25

2-Butanone

Concen: 2.362 ug/l

RT: 7.021 min Scan# 816

Delta R.T. 0.025 min

Lab File: VY016816.D

Acq: 22 Dec 2023 18:20

Instrument :

MSVOA_Y

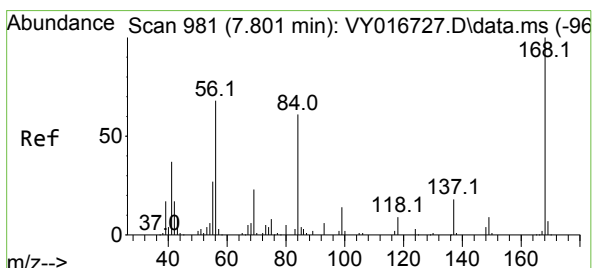
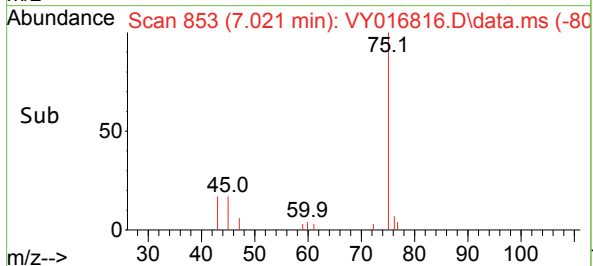
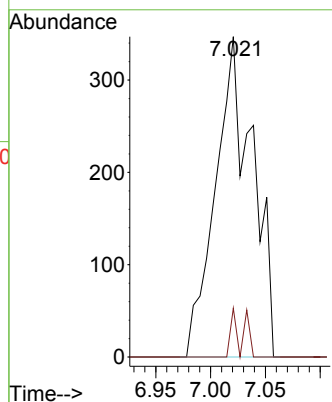
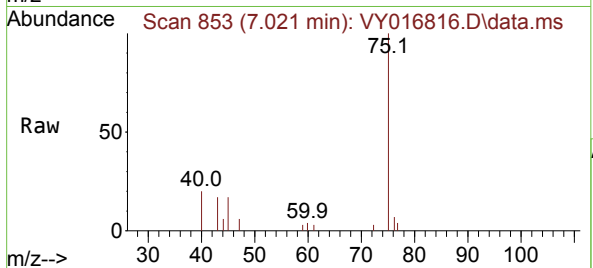
ClientSampleId :

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

43 100

72 15.3 21.4 32.2#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.819 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY016816.D

Acq: 22 Dec 2023 18:20

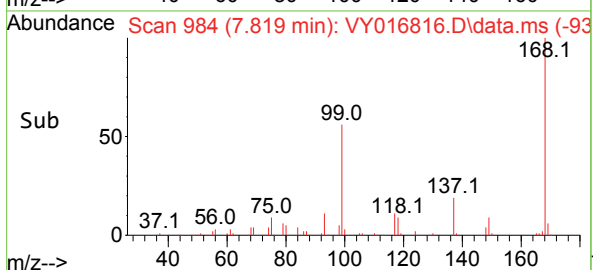
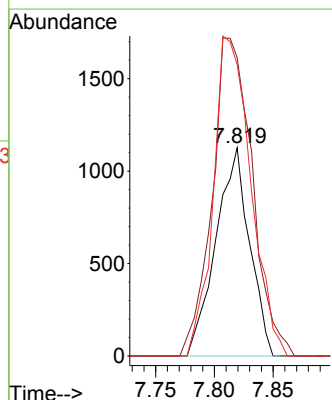
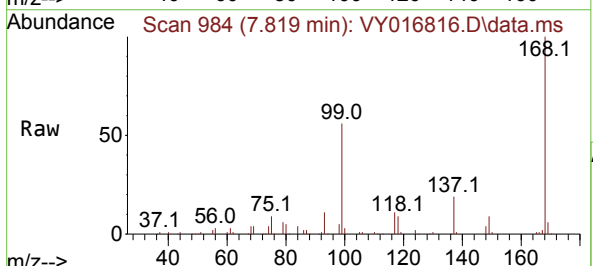
Tgt Ion: 56 Resp: 2245

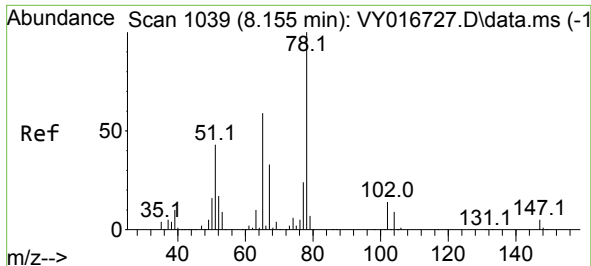
Ion Ratio Lower Upper

56 100

69 143.3 27.0 40.6#

84 140.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 77.302 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016816.D

Acq: 22 Dec 2023 18:20

Instrument :

MSVOA_Y

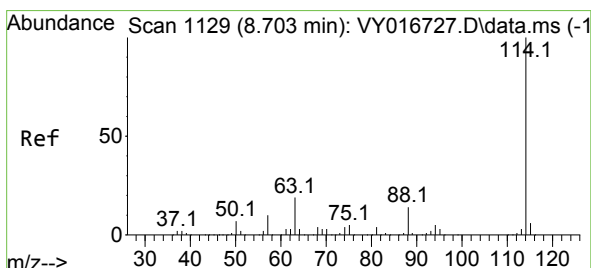
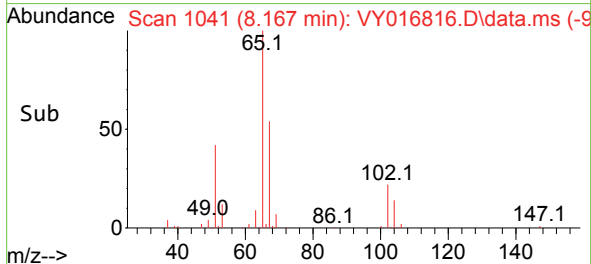
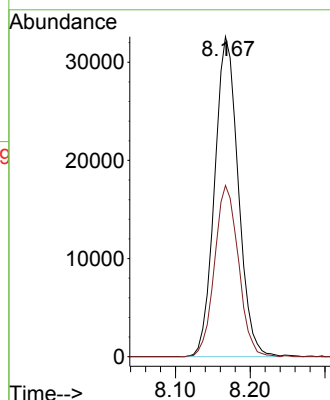
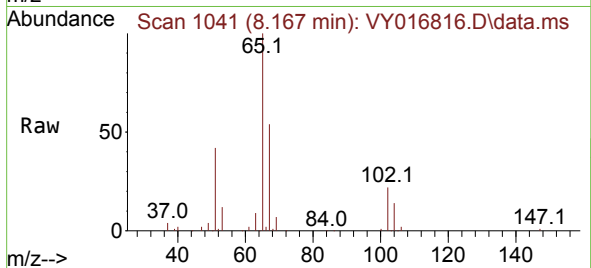
ClientSampleId :

Tgt Ion: 65 Resp: 71731

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016816.D

Acq: 22 Dec 2023 18:20

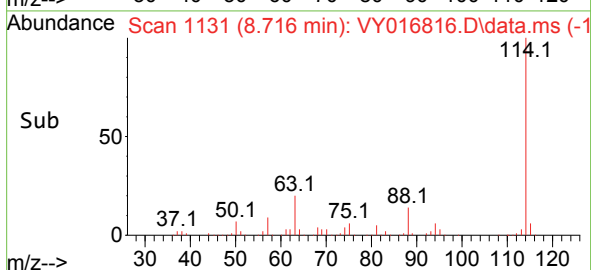
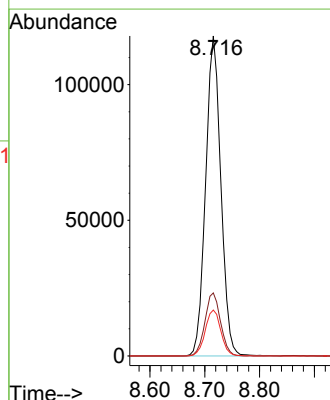
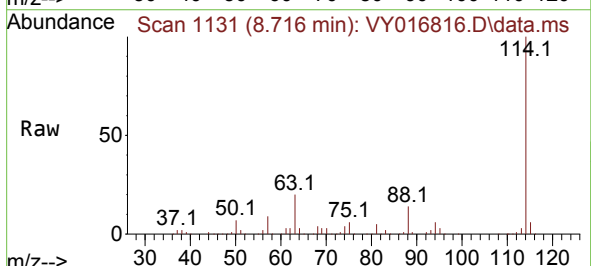
Tgt Ion:114 Resp: 226804

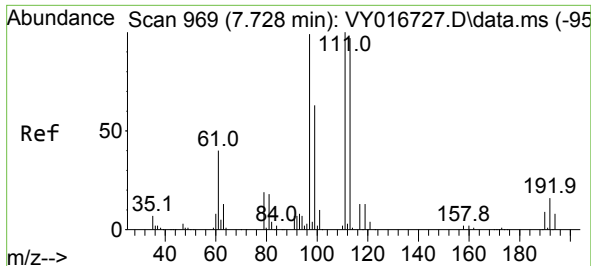
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

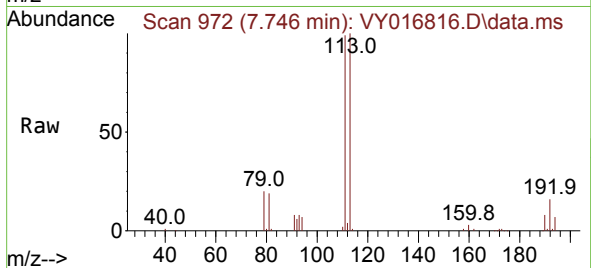
88 14.4 0.0 29.0



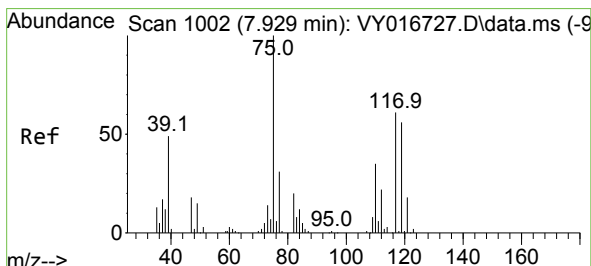
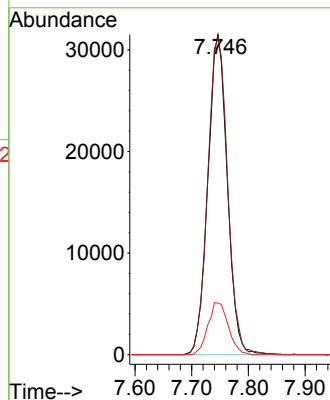
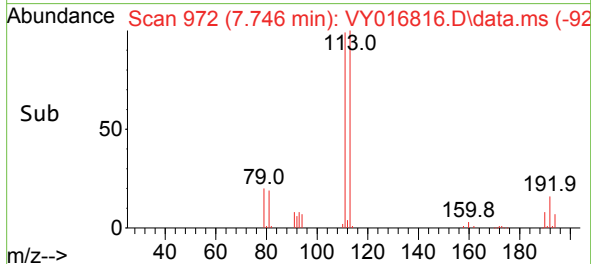


#35
Dibromofluoromethane
Concen: 57.560 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

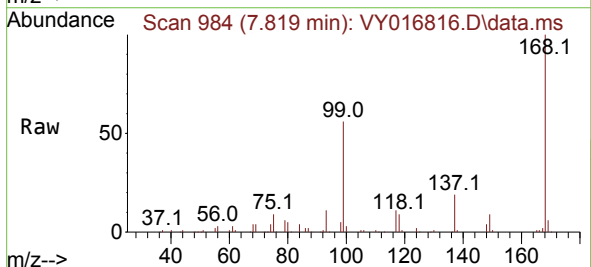
Instrument :
MSVOA_Y
ClientSampleId :



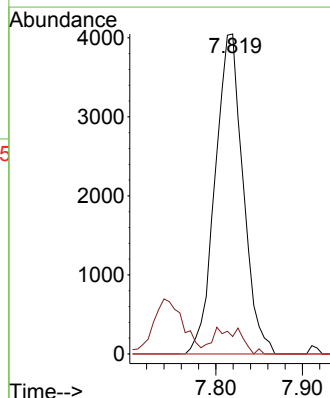
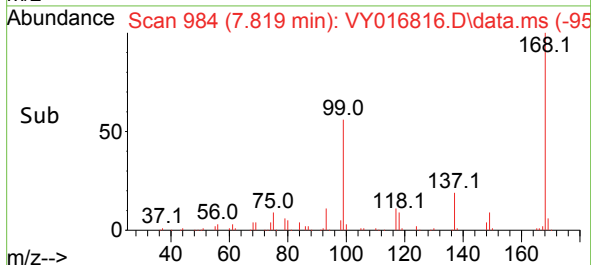
Tgt Ion:113 Resp: 74781
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 17.1 14.5 21.7

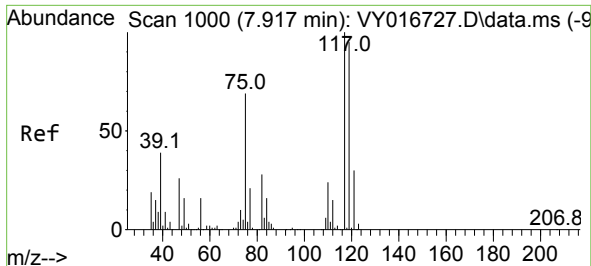


#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20



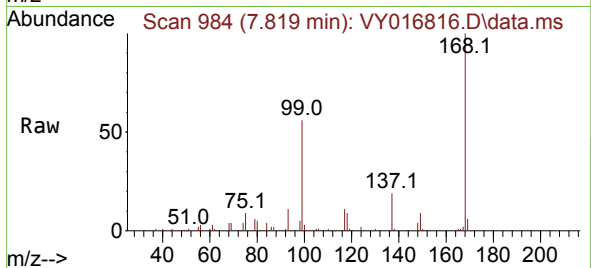
Tgt Ion: 75 Resp: 9091
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.7 37.1#



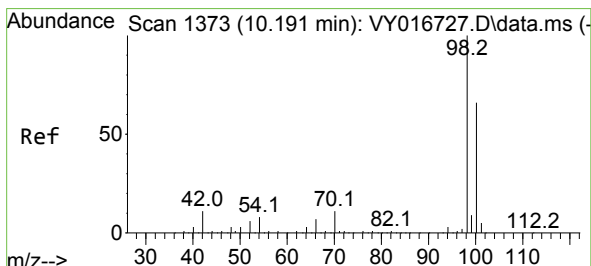
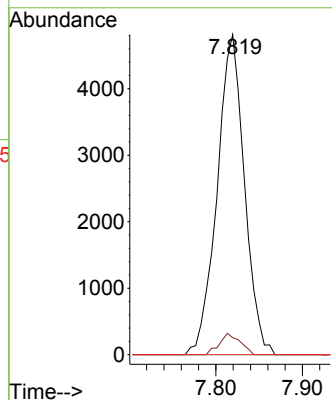
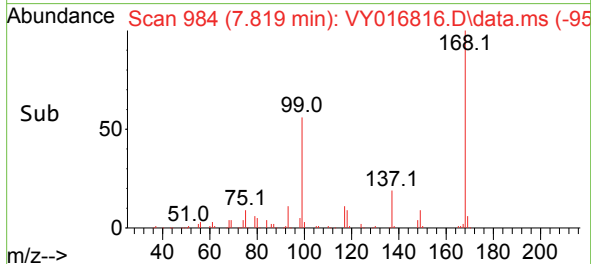


#38
Carbon Tetrachloride
Concen: 5.122 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :

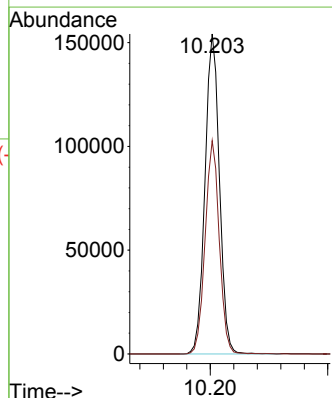
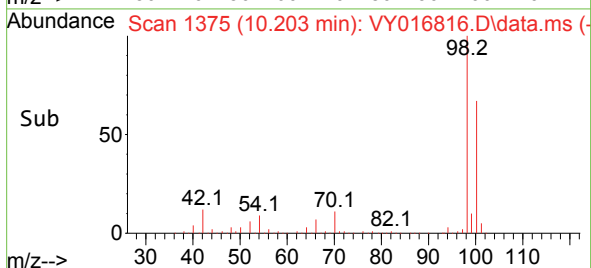
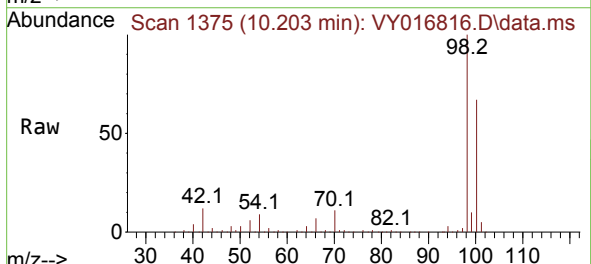


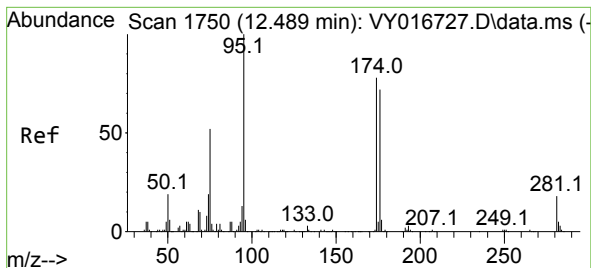
Tgt Ion:117 Resp: 10556
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 56.241 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016816.D
Acq: 22 Dec 2023 18:20

Tgt Ion: 98 Resp: 263403
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 57.422 ug/l

RT: 12.501 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016816.D

Acq: 22 Dec 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

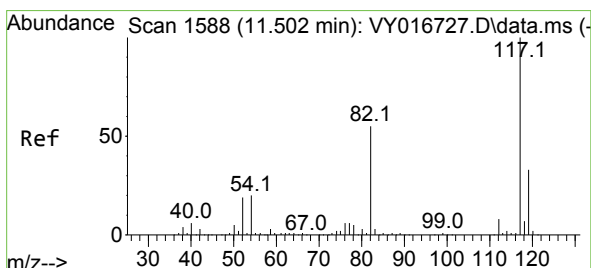
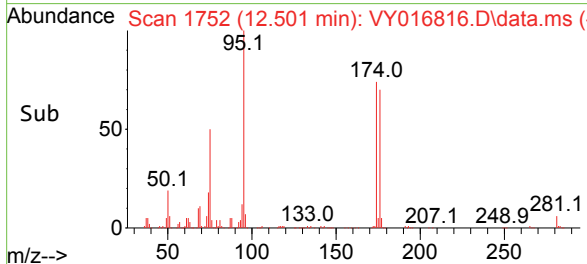
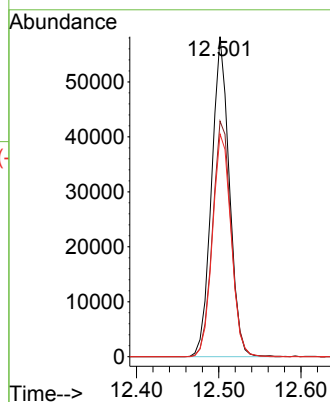
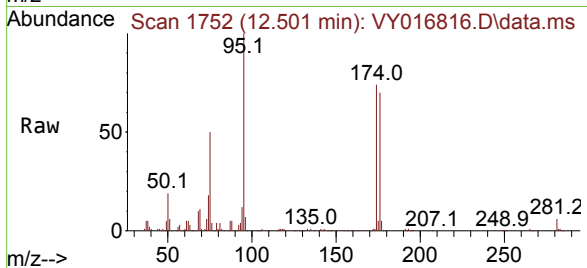
Tgt Ion: 95 Resp: 87250

Ion Ratio Lower Upper

95 100

174 77.0 0.0 160.0

176 72.7 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: VY016816.D

Acq: 22 Dec 2023 18:20

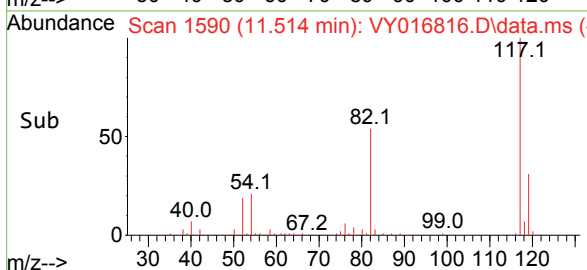
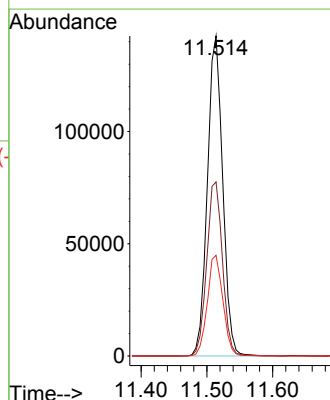
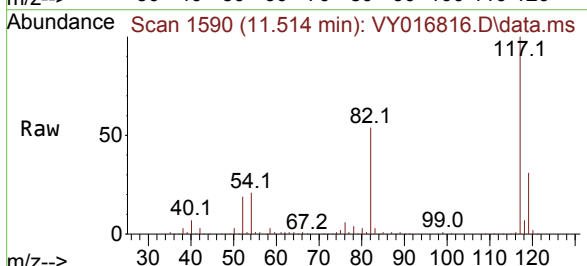
Tgt Ion: 117 Resp: 230906

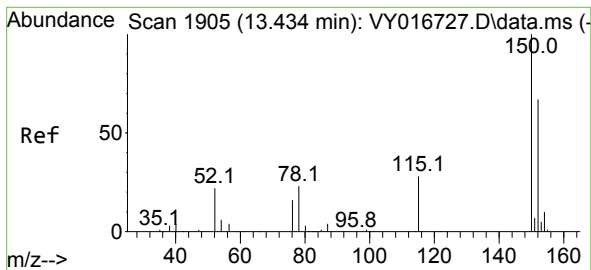
Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 31.5 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: VY016816.D

Acq: 22 Dec 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

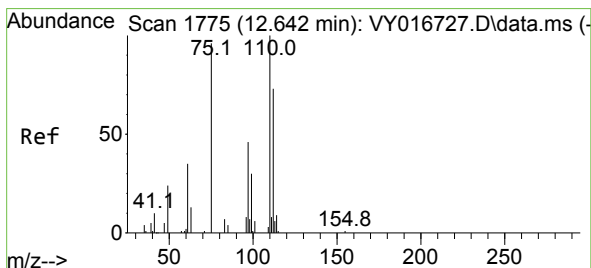
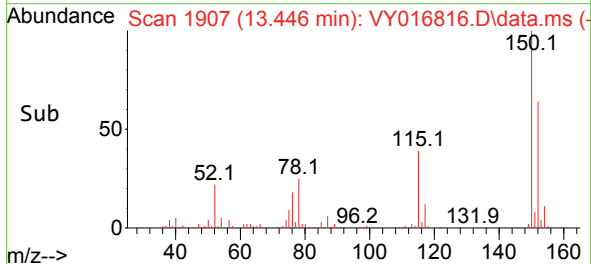
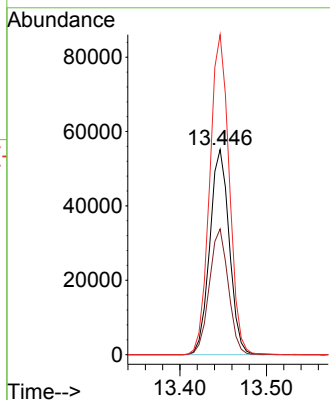
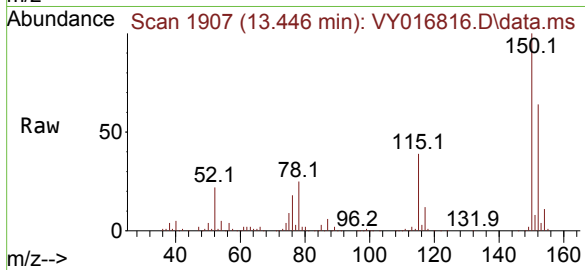
Tgt Ion:152 Resp: 86290

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

150 156.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 47.816 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016816.D

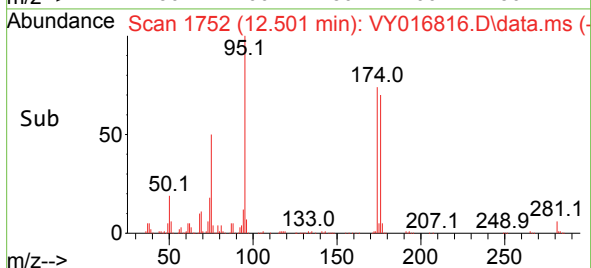
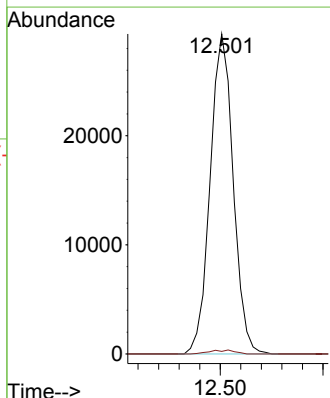
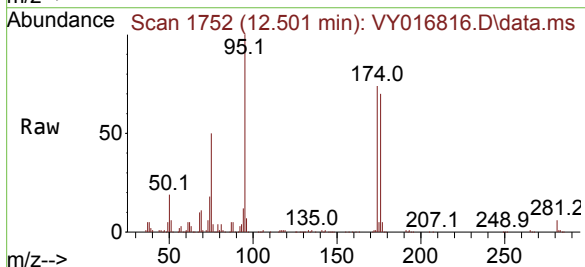
Acq: 22 Dec 2023 18:20

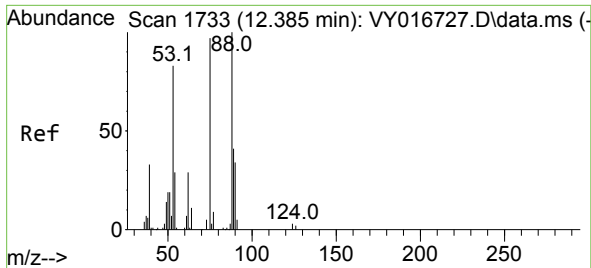
Tgt Ion: 75 Resp: 45611

Ion Ratio Lower Upper

75 100

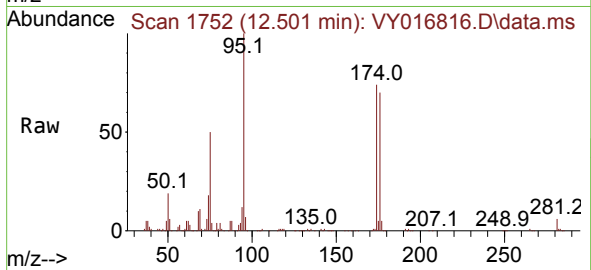
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.292 ug/l
 RT: 12.501 min Scan# 11
 Delta R.T. 0.116 min
 Lab File: VY016816.D
 Acq: 22 Dec 2023 18:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 45611
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.2 36.5 54.7#

