

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010324\
 Data File : VY016909.D
 Acq On : 03 Jan 2024 14:26
 Operator : SY/MD
 Sample : P1005-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 04 00:32:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

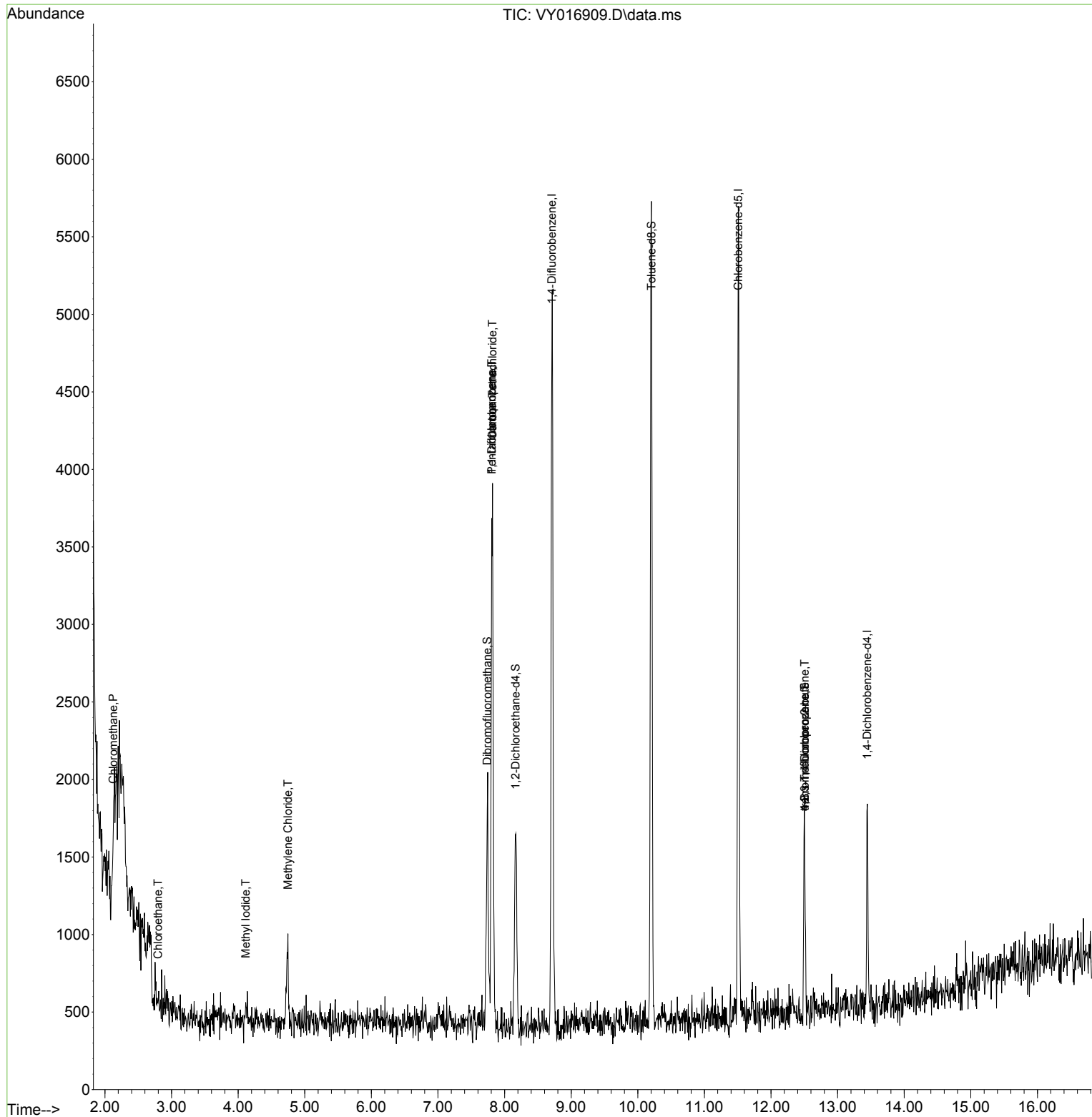
Internal Standards						
1) Pentafluorobenzene	7.807	168	3001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	4761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	3197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	375	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	1255	42.312	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.620%
35) Dibromofluoromethane	7.740	113	1191	39.257	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.520%
50) Toluene-d8	10.203	98	3957	37.876	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.760%
62) 4-Bromofluorobenzene	12.508	95	605	17.164	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	34.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	63	1.787	ug/l #	41
6) Chloroethane	2.796	64	71	2.524	ug/l #	43
10) Methyl Iodide	4.113	142	48	1.694	ug/l #	40
16) Acetone	3.997	43	19	Below Cal	#	41
20) Methylene Chloride	4.747	84	355	2.545	ug/l #	74
36) 1,1-Dichloropropene	7.807	75	198	4.478	ug/l #	42
38) Carbon Tetrachloride	7.819	117	289	6.433	ug/l #	12
76) 1,2,3-Trichloropropane	12.508	75	251	61.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.508	75	251	140.058	ug/l #	12

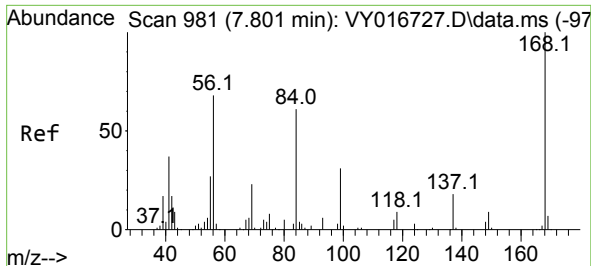
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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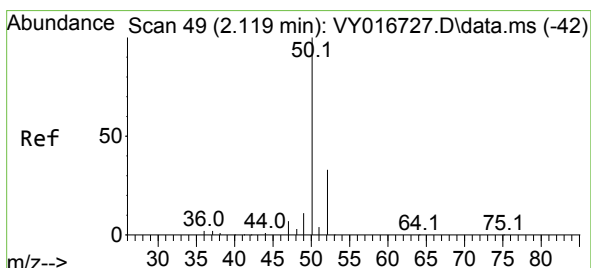
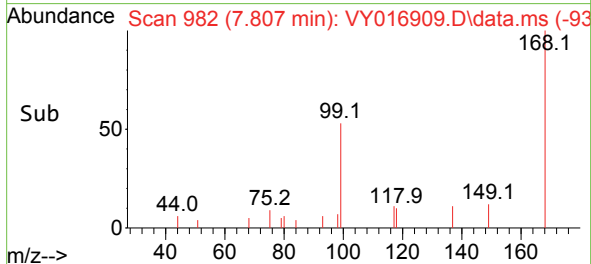
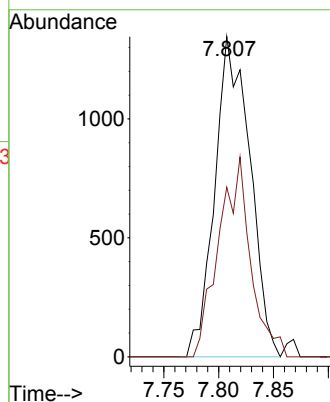
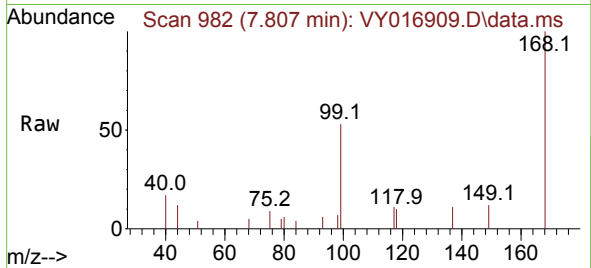




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

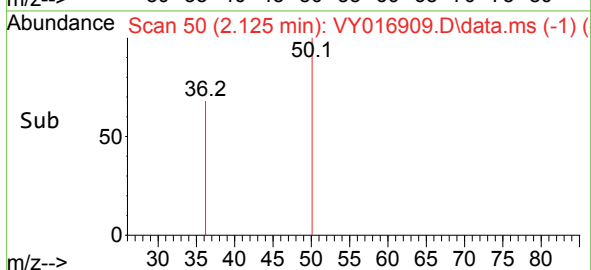
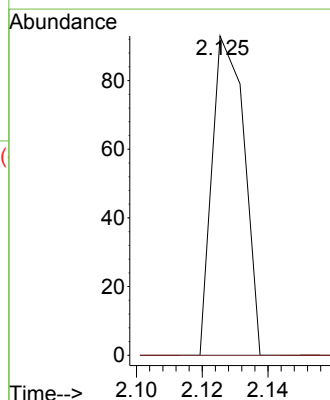
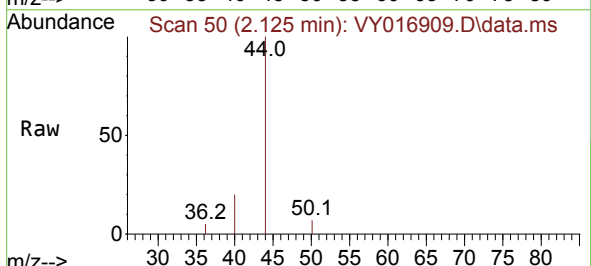
Instrument :
MSVOA_Y
ClientSampleId :

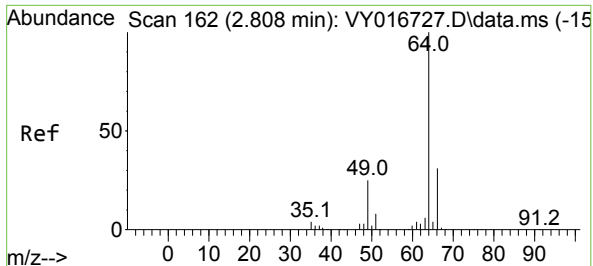
Tgt Ion:168 Resp: 3001
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#3
Chloromethane
Concen: 1.787 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

Tgt Ion: 50 Resp: 63
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

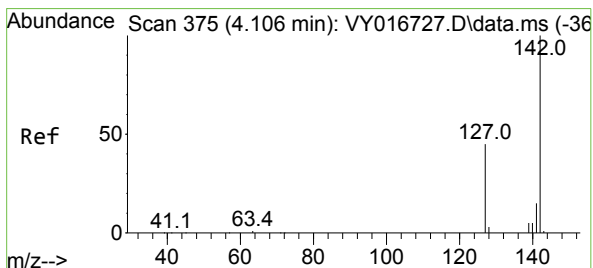
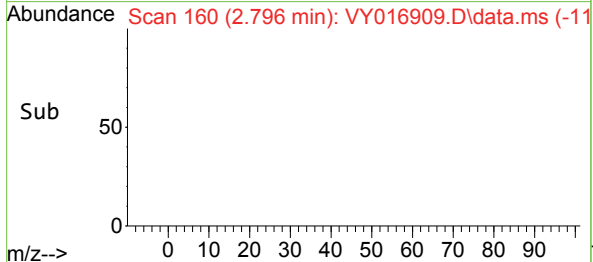
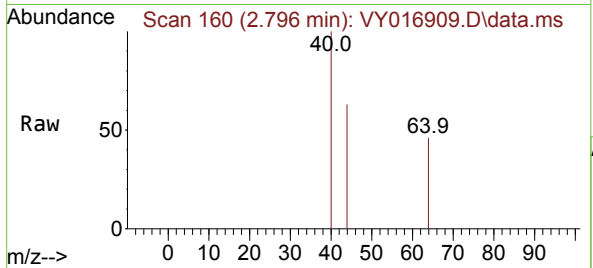




#6
Chloroethane
Concen: 2.524 ug/l
RT: 2.796 min Scan# 162
Delta R.T. -0.012 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

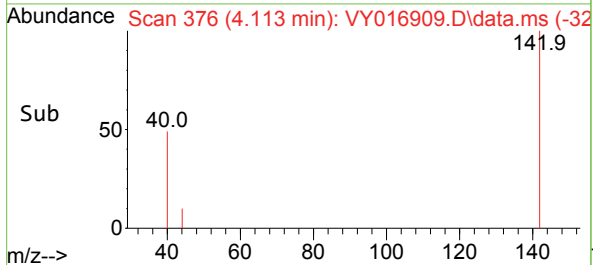
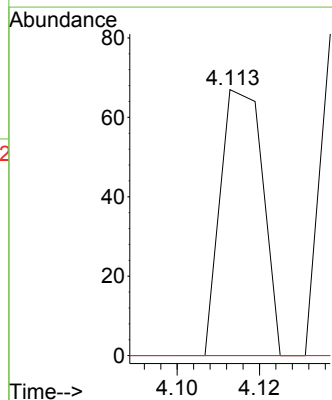
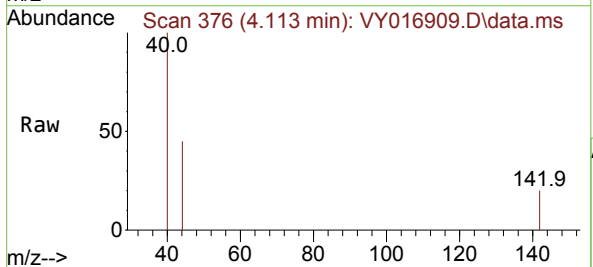
Instrument :
MSVOA_Y
ClientSampleId :

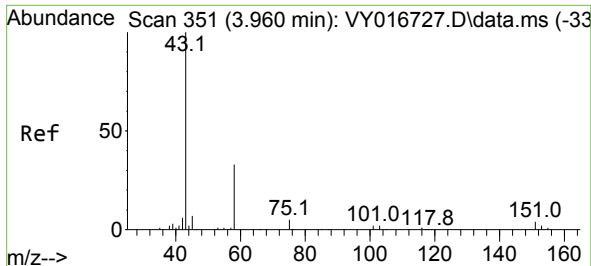
Tgt Ion: 64 Resp: 71
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#10
Methyl Iodide
Concen: 1.694 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

Tgt Ion:142 Resp: 48
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#





#16

Acetone

Concen: Below Cal

RT: 3.997 min Scan# 31

Delta R.T. 0.037 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

Instrument :

MSVOA_Y

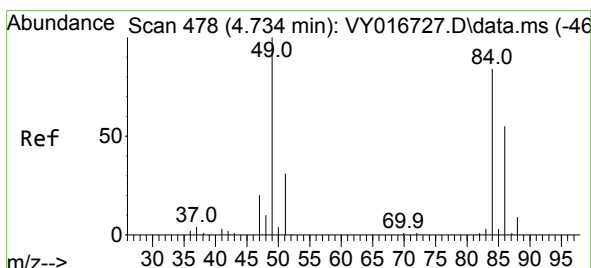
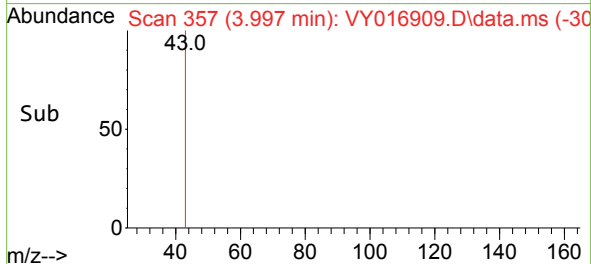
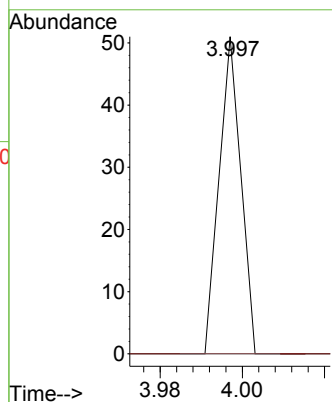
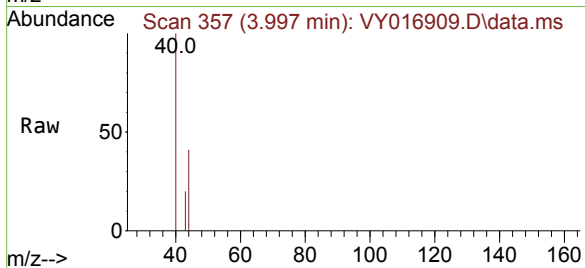
ClientSampleId :

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 2.545 ug/l

RT: 4.747 min Scan# 480

Delta R.T. 0.013 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

Tgt Ion: 84 Resp: 355

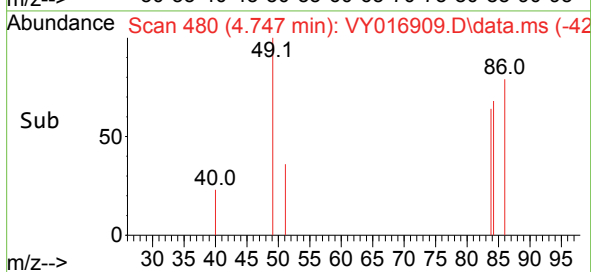
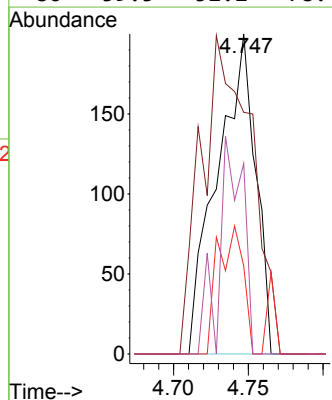
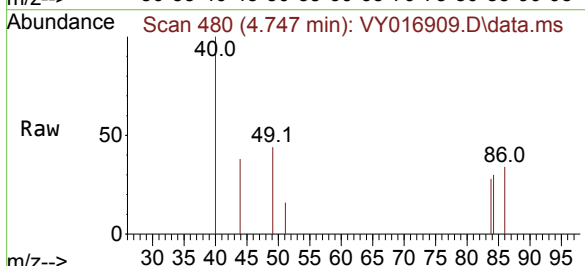
Ion Ratio Lower Upper

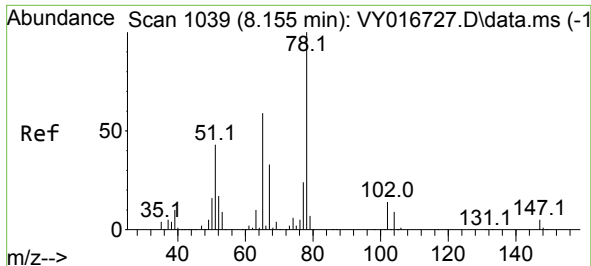
84 100

49 75.5 95.2 142.8#

51 27.5 29.9 44.9#

86 59.5 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 42.312 ug/l

RT: 8.167 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

Instrument :

MSVOA_Y

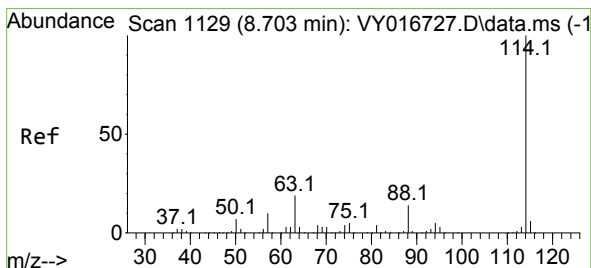
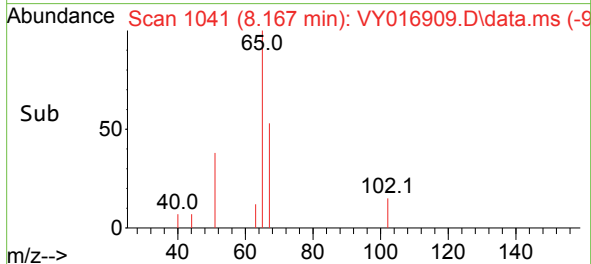
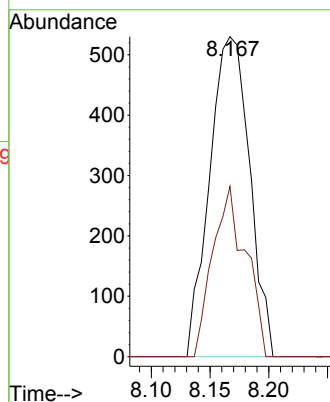
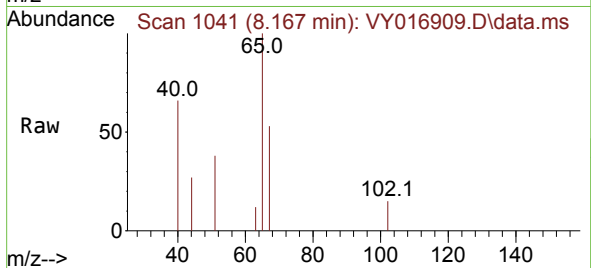
ClientSampleId :

Tgt Ion: 65 Resp: 1255

Ion Ratio Lower Upper

65 100

67 44.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

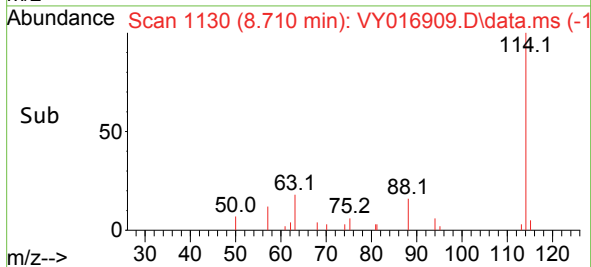
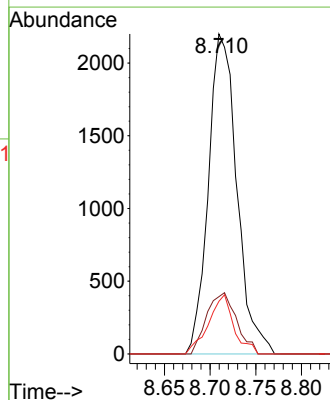
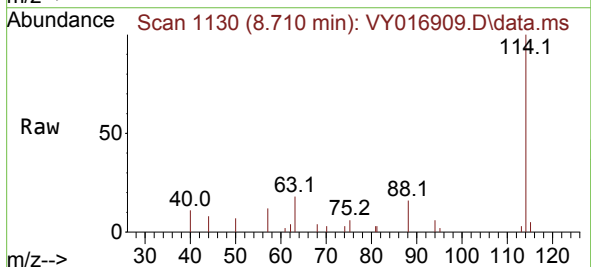
Tgt Ion: 114 Resp: 4761

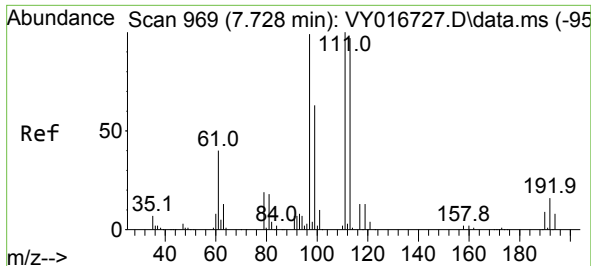
Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.4

88 16.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 39.257 ug/l

RT: 7.740 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

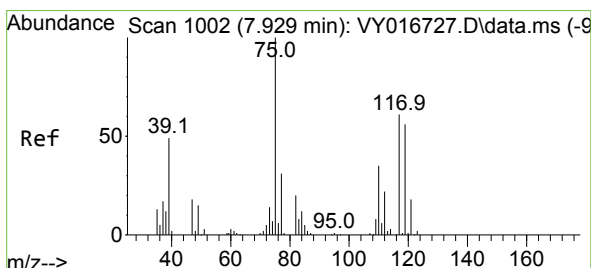
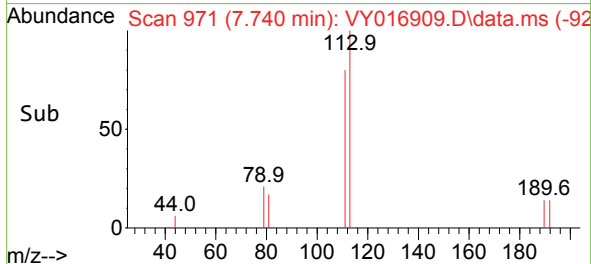
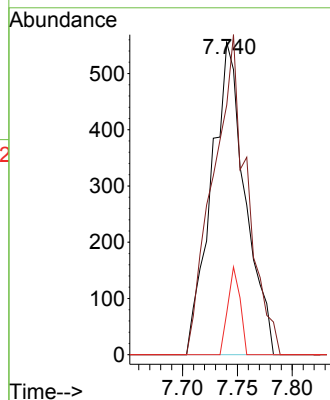
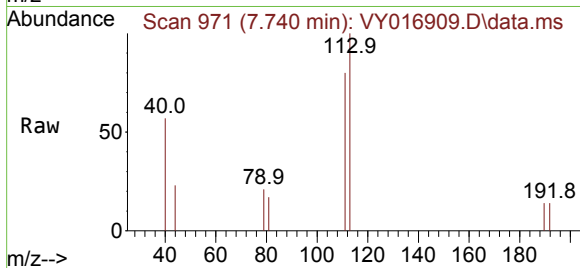
Tgt Ion:113 Resp: 1191

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 10.2 14.5 21.7#



#36

1,1-Dichloropropene

Concen: 4.478 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

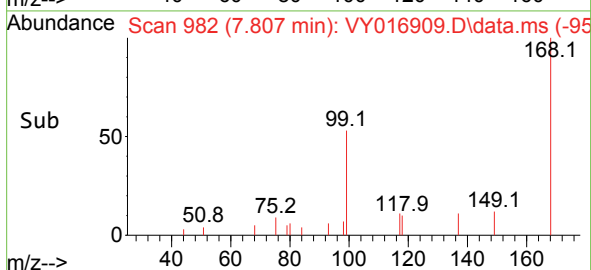
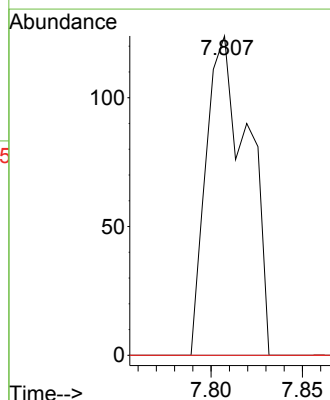
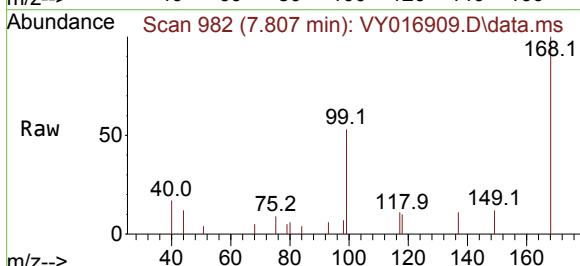
Tgt Ion: 75 Resp: 198

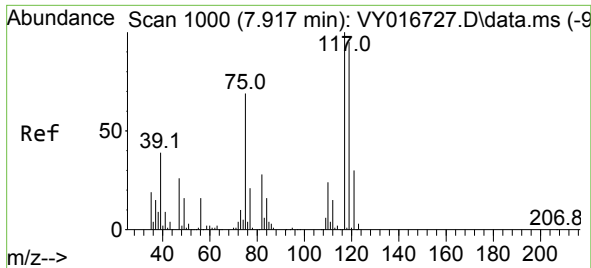
Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

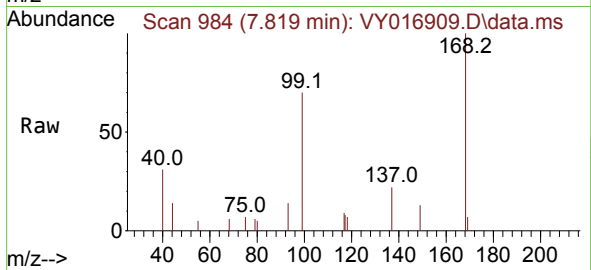
77 0.0 24.7 37.1#



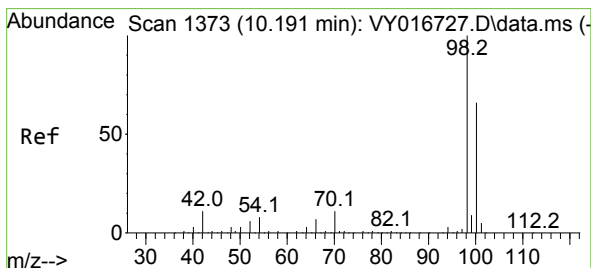
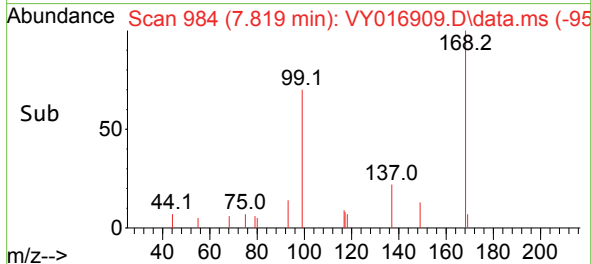
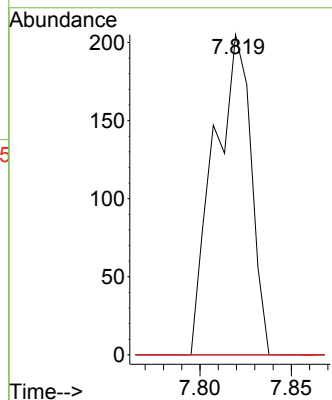


#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

Instrument :
MSVOA_Y
ClientSampleId :

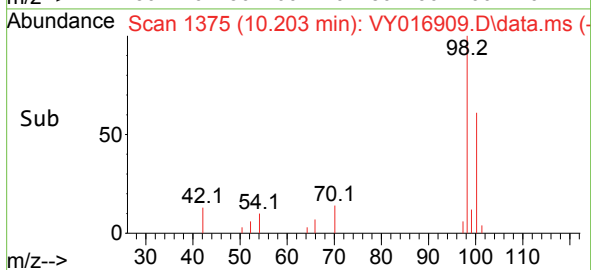
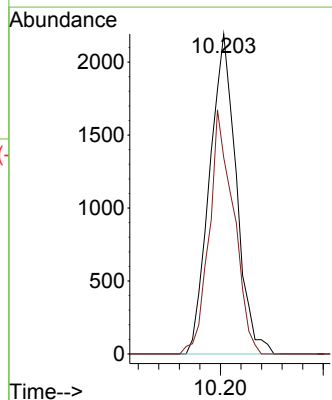
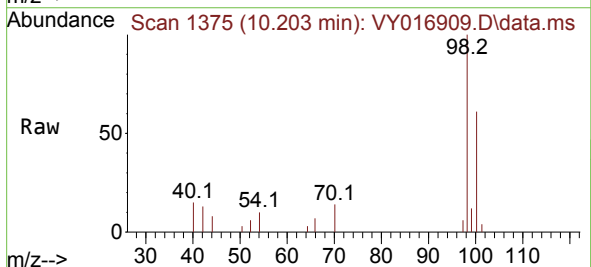


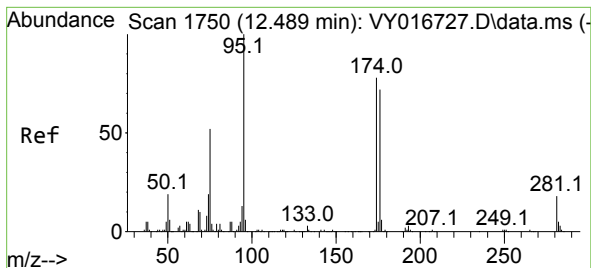
Tgt Ion:117 Resp: 289
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 37.876 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

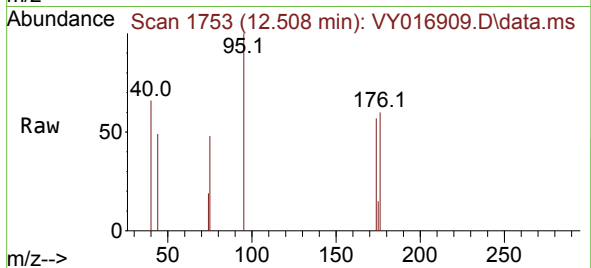
Tgt Ion: 98 Resp: 3957
Ion Ratio Lower Upper
98 100
100 69.6 52.3 78.5



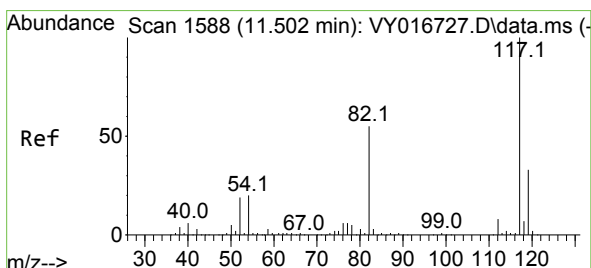
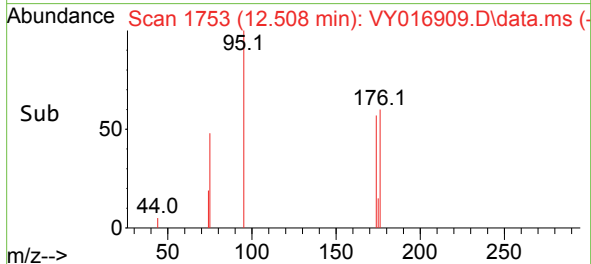
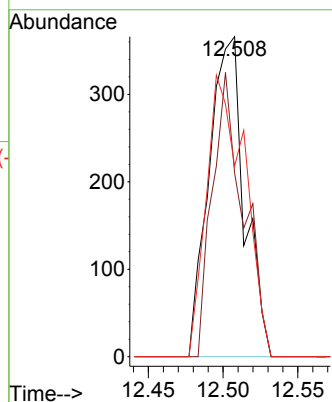


#62
4-Bromofluorobenzene
Concen: 17.164 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.019 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

Instrument :
MSVOA_Y
ClientSampleId :

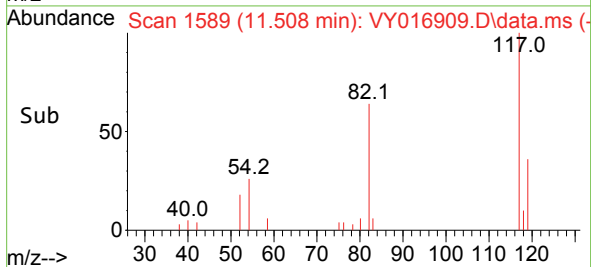
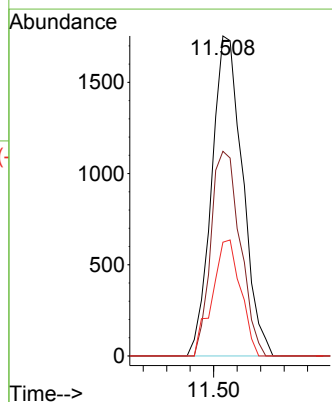
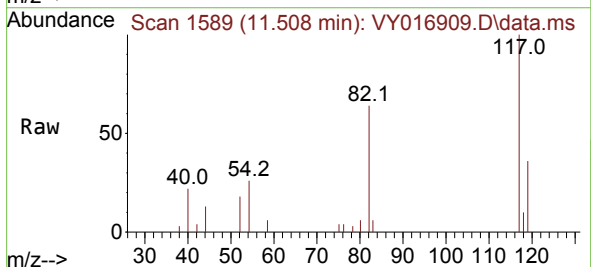


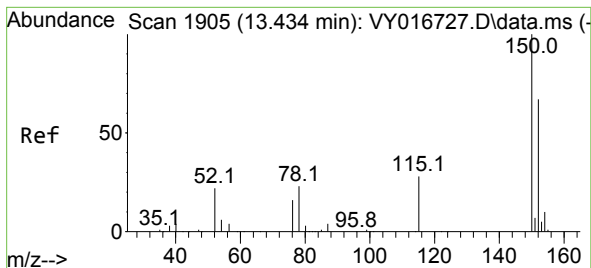
Tgt Ion: 95 Resp: 605
Ion Ratio Lower Upper
95 100
174 77.5 0.0 160.0
176 94.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016909.D
Acq: 03 Jan 2024 14:26

Tgt Ion: 117 Resp: 3197
Ion Ratio Lower Upper
117 100
82 64.0 43.8 65.8
119 35.5 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1905

Delta R.T. 0.013 min

Lab File: VY016909.D

Acq: 03 Jan 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

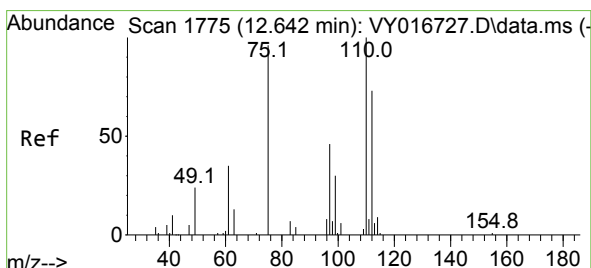
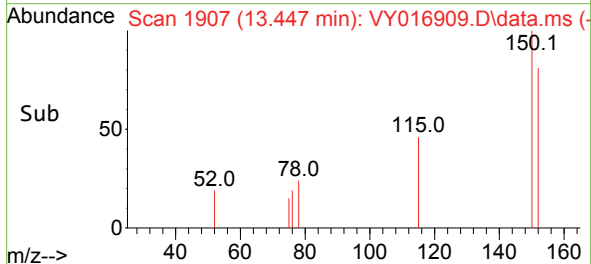
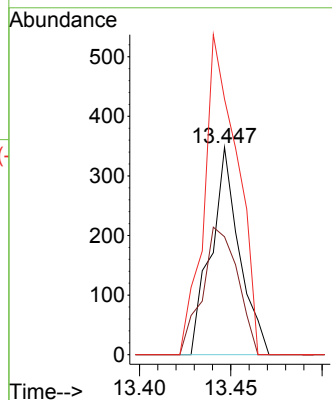
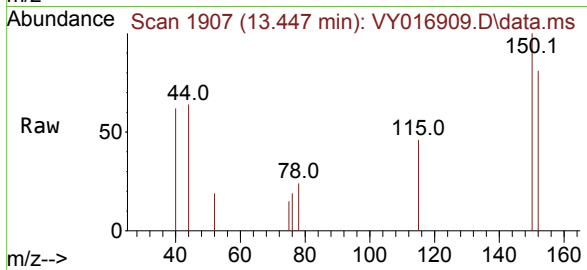
Tgt Ion:152 Resp: 375

Ion Ratio Lower Upper

152 100

115 76.8 30.0 90.0

150 179.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 61.679 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. -0.134 min

Lab File: VY016909.D

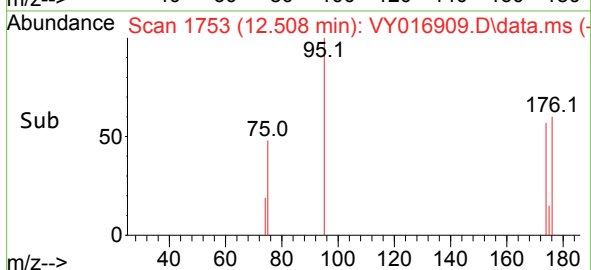
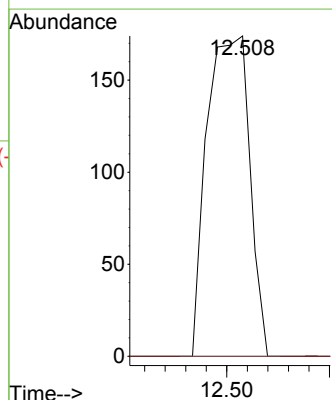
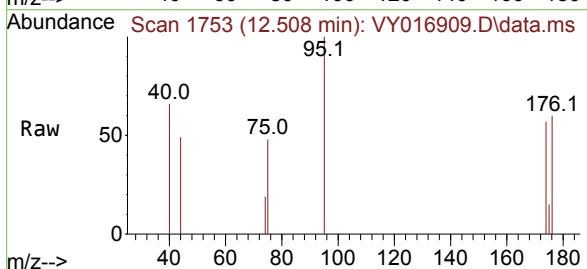
Acq: 03 Jan 2024 14:26

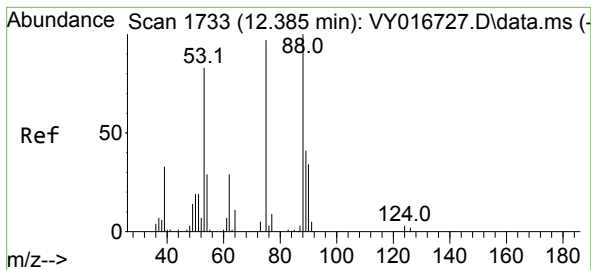
Tgt Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

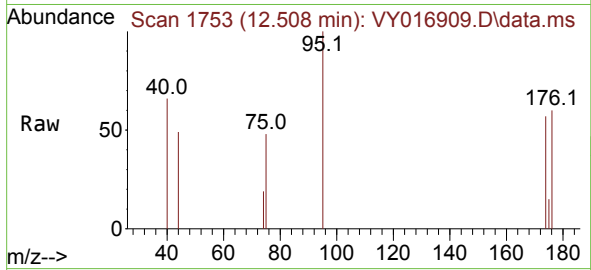
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.058 ug/l
 RT: 12.508 min Scan# 11
 Delta R.T. 0.123 min
 Lab File: VY016909.D
 Acq: 03 Jan 2024 14:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 251
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

