

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060622\
 Data File : VY009144.D
 Acq On : 06 Jun 2022 13:54
 Operator : KP/MD
 Sample : N3176-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 02:31:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

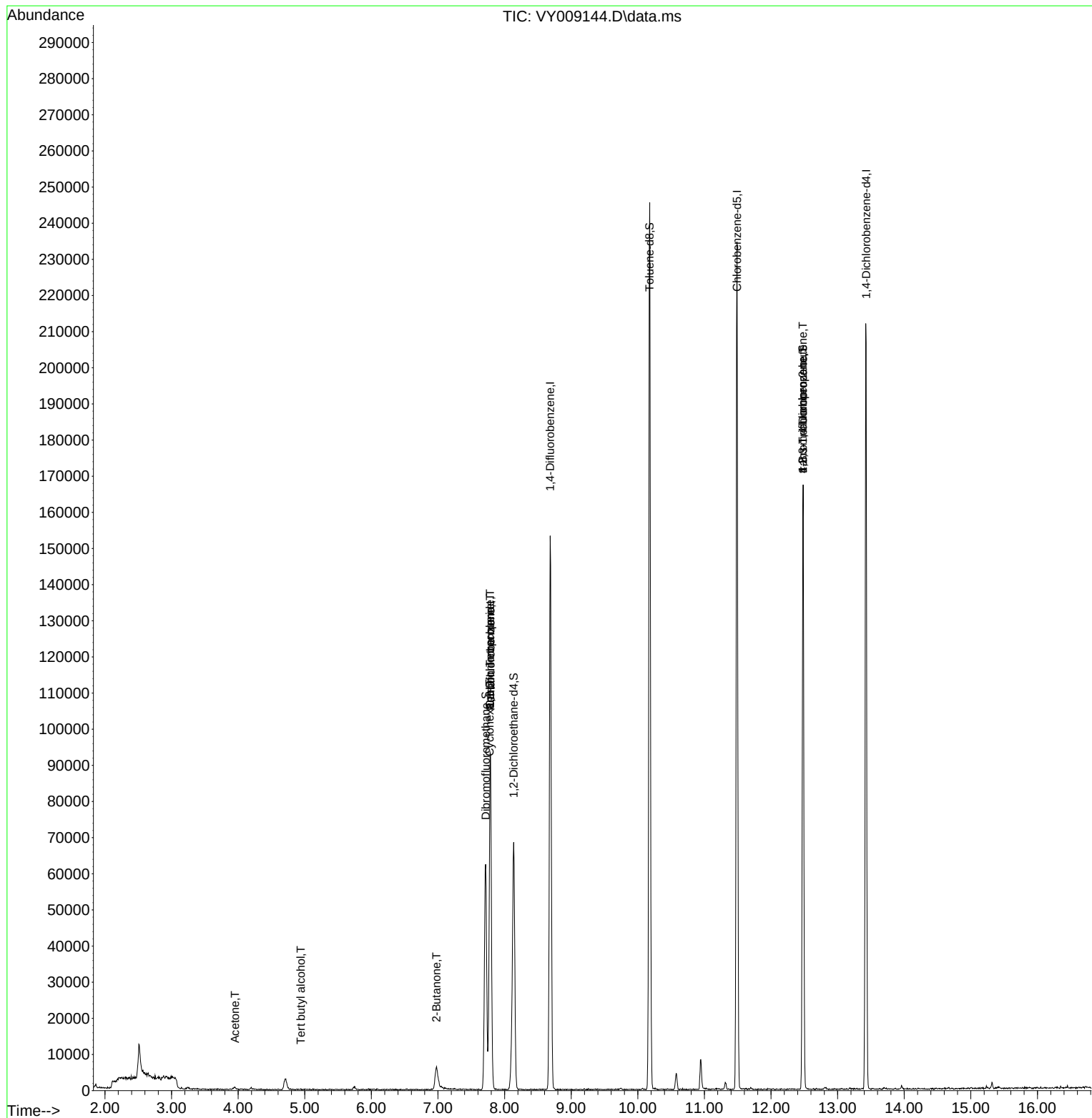
Internal Standards						
1) Pentafluorobenzene	7.789	168	72284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	127774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	120372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46866	62.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.000%
35) Dibromofluoromethane	7.716	113	42807	53.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.760%
50) Toluene-d8	10.179	98	155730	53.128	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.260%
62) 4-Bromofluorobenzene	12.477	95	43327	36.643	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	106	1.405	ug/l #	77
16) Acetone	3.954	43	1050	6.781	ug/l	90
20) Methylene Chloride	4.704	84	1250	Below Cal	#	68
25) 2-Butanone	6.978	43	282	1.020	ug/l #	54
31) Cyclohexane	7.777	56	1883	1.294	ug/l #	14
36) 1,1-Dichloropropene	7.783	75	6030	4.459	ug/l #	51
38) Carbon Tetrachloride	7.783	117	7074	5.001	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	25431	46.351	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25431	95.135	ug/l #	7

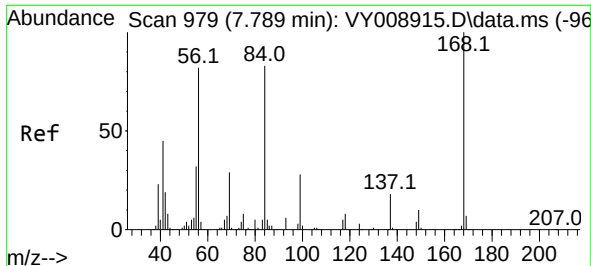
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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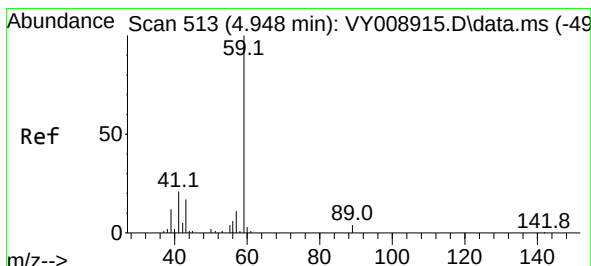
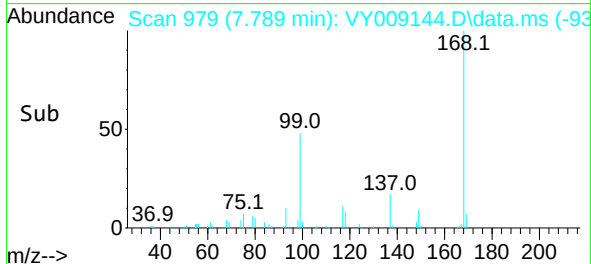
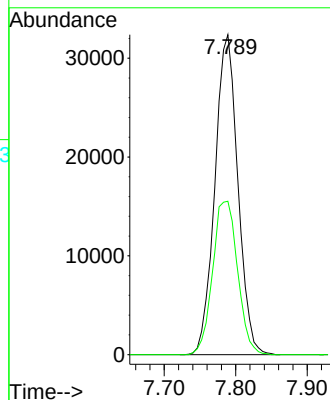
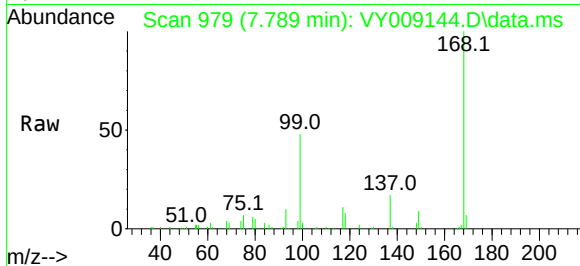




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

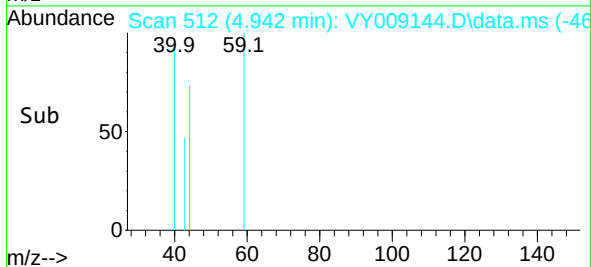
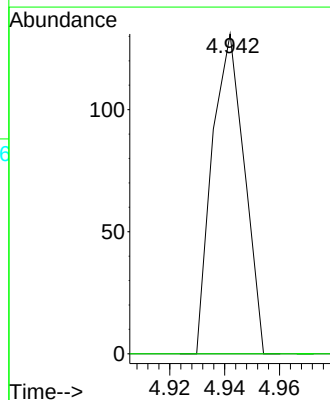
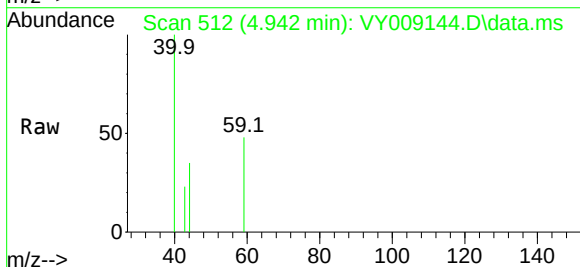
Instrument :
MSVOA_Y
ClientSampleId :

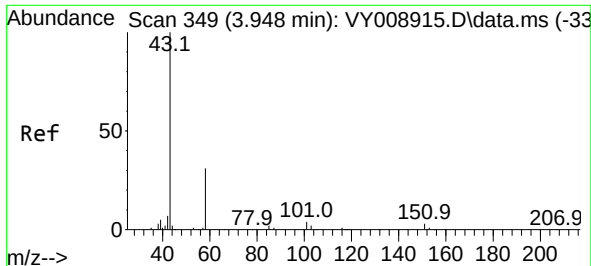
Tgt Ion:168 Resp: 72284
Ion Ratio Lower Upper
168 100
99 47.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.405 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

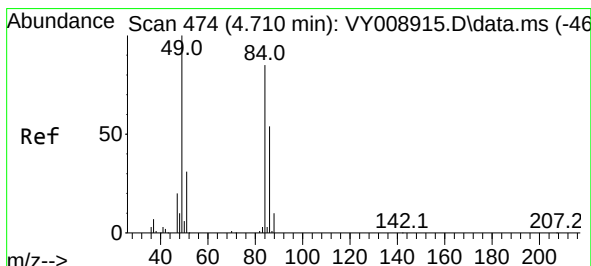
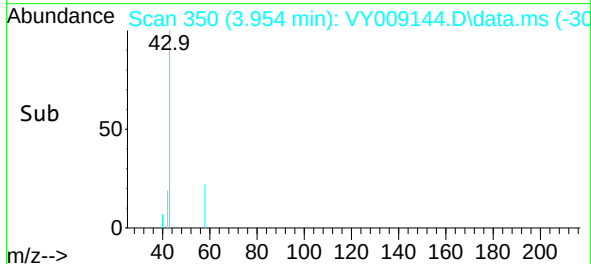
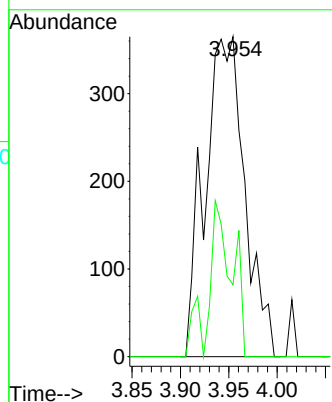
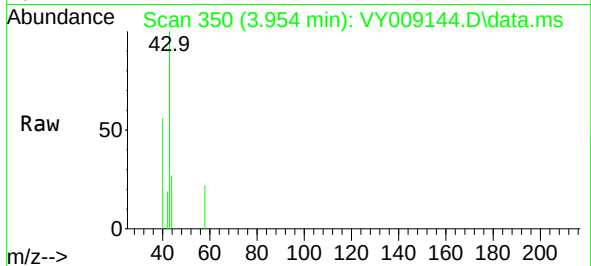




#16
Acetone
Concen: 6.781 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

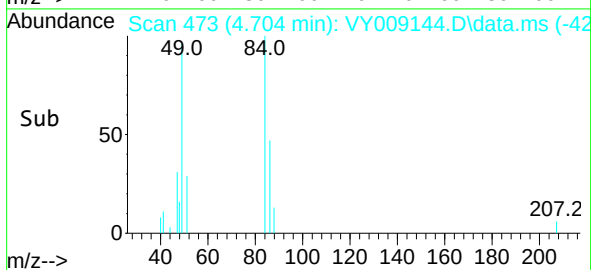
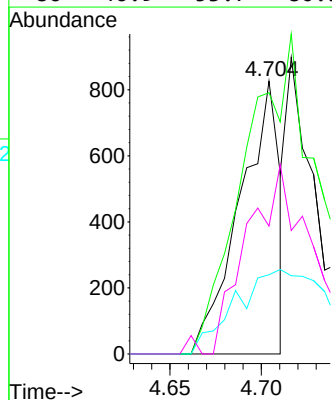
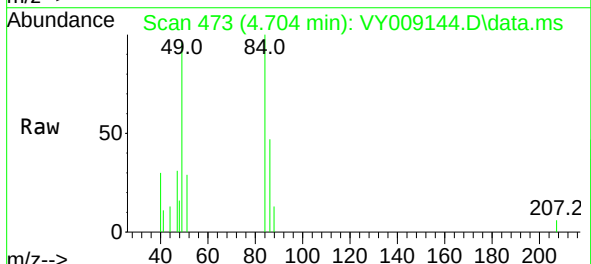
Instrument :
MSVOA_Y
ClientSampleId :

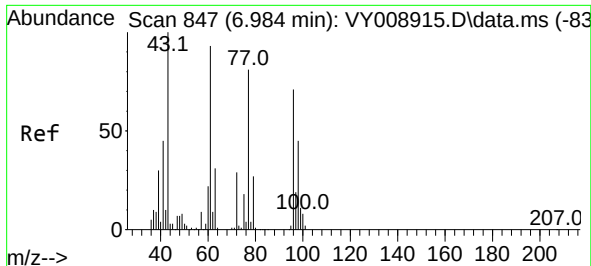
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 22.5 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

Tgt Ion: 84 Resp: 1250
Ion Ratio Lower Upper
84 100
49 95.8 114.4 171.6#
51 29.1 35.3 52.9#
86 46.9 53.7 80.5#





#25

2-Butanone

Concen: 1.020 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

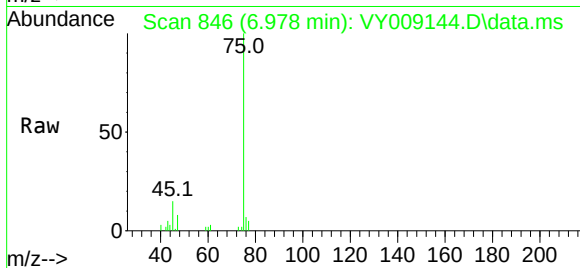
Lab File: VY009144.D

Acq: 06 Jun 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

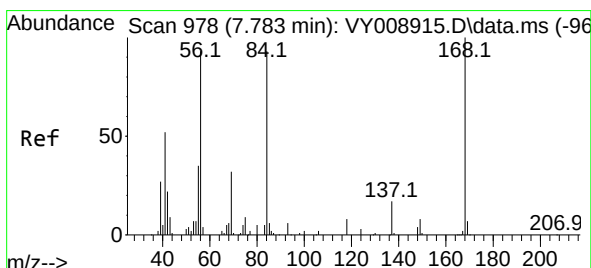
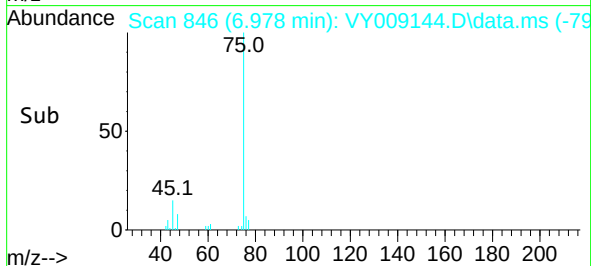
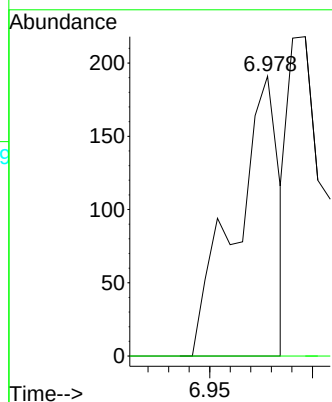


Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY009144.D

Acq: 06 Jun 2022 13:54

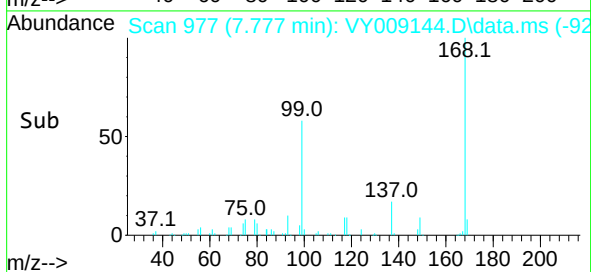
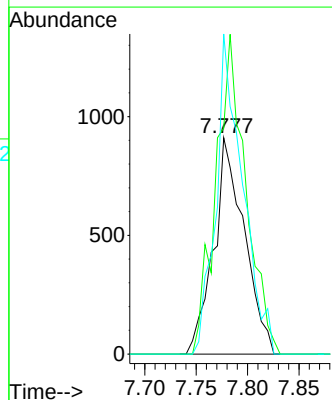
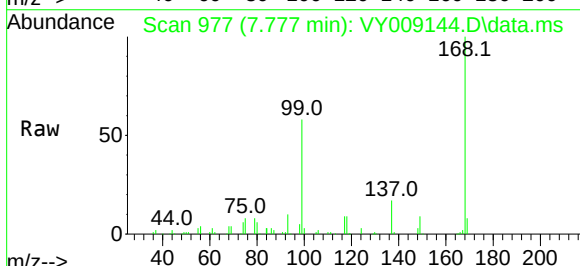
Tgt Ion: 56 Resp: 1883

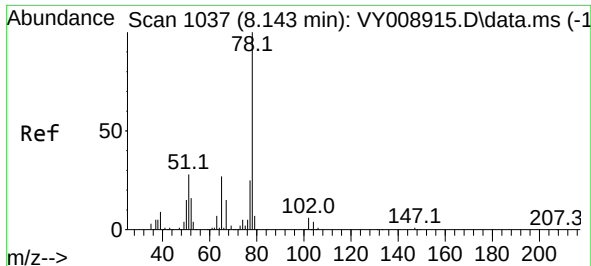
Ion Ratio Lower Upper

56 100

69 104.5 26.7 40.1#

84 148.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.997 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY009144.D

Acq: 06 Jun 2022 13:54

Instrument :

MSVOA_Y

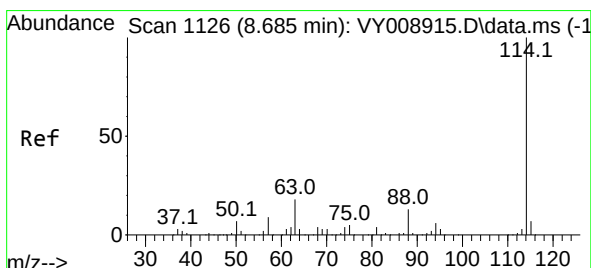
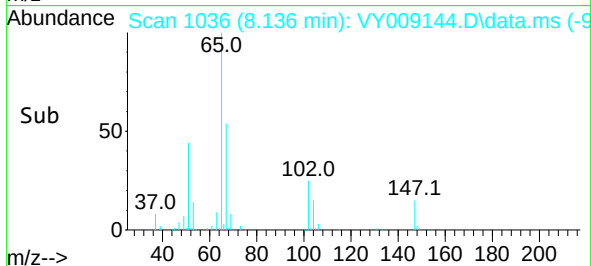
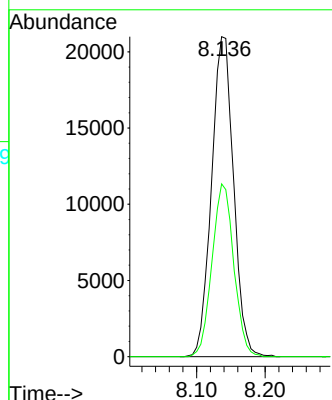
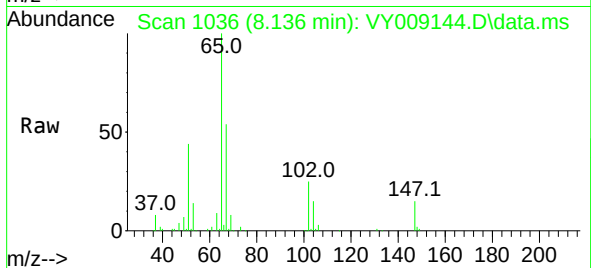
ClientSampleId :

Tgt Ion: 65 Resp: 46866

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009144.D

Acq: 06 Jun 2022 13:54

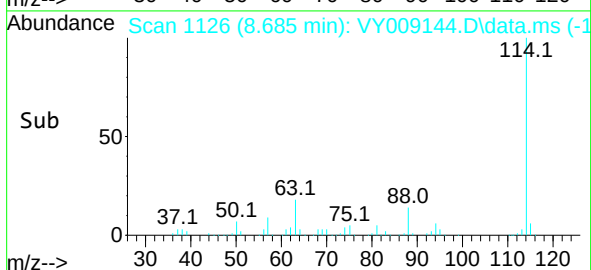
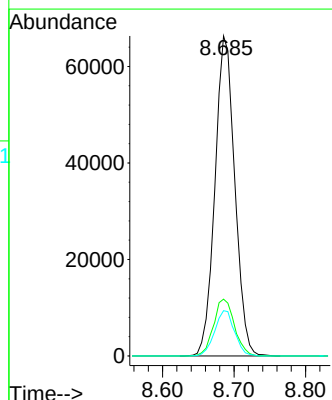
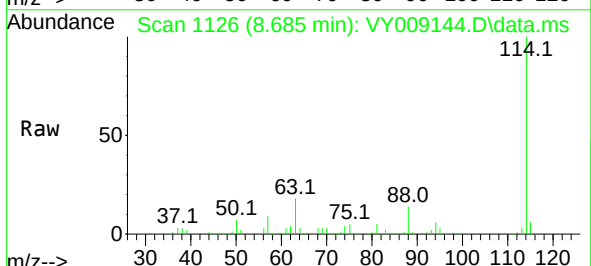
Tgt Ion: 114 Resp: 127774

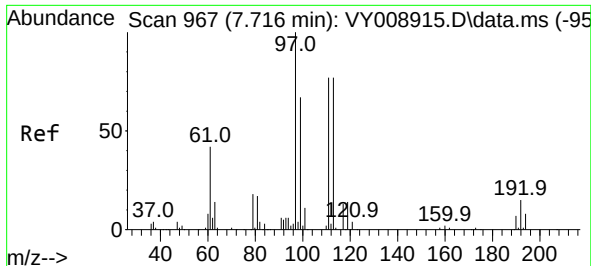
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

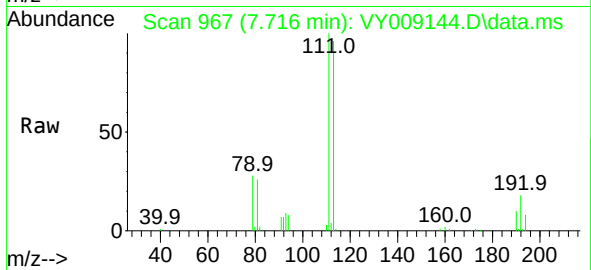
88 14.1 0.0 31.8



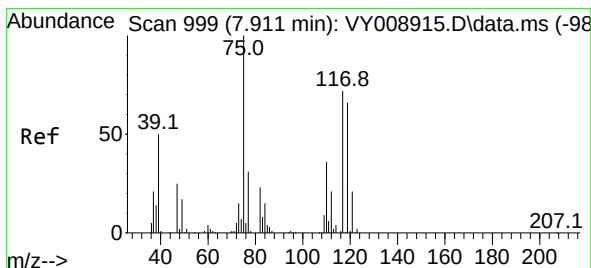
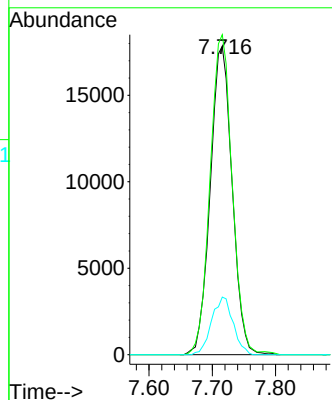
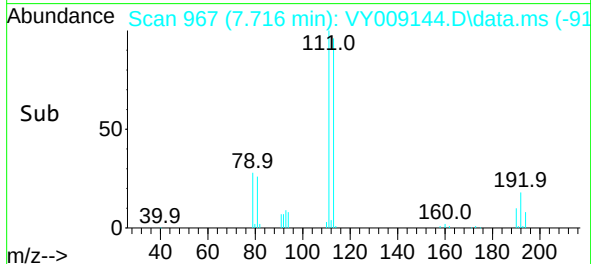


#35
Dibromofluoromethane
Concen: 53.876 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :

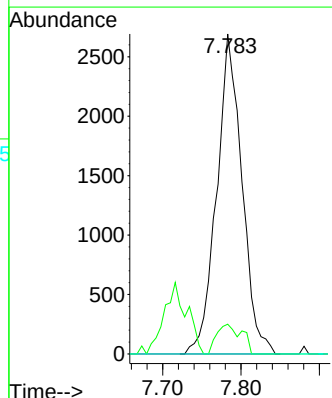
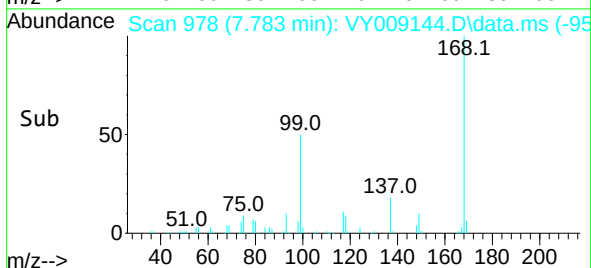
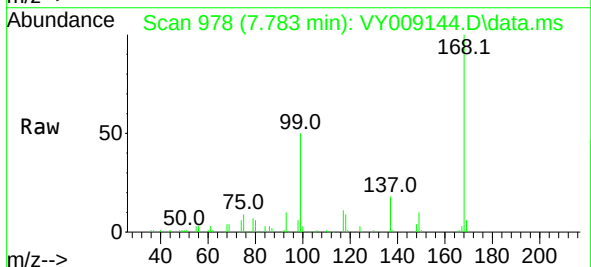


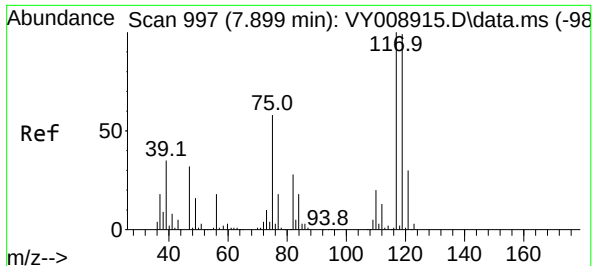
Tgt Ion:113 Resp: 42807
Ion Ratio Lower Upper
113 100
111 104.6 82.6 124.0
192 18.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

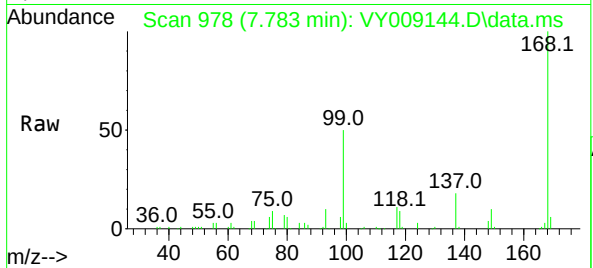
Tgt Ion: 75 Resp: 6030
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#



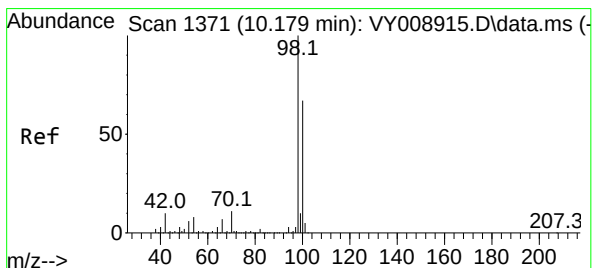
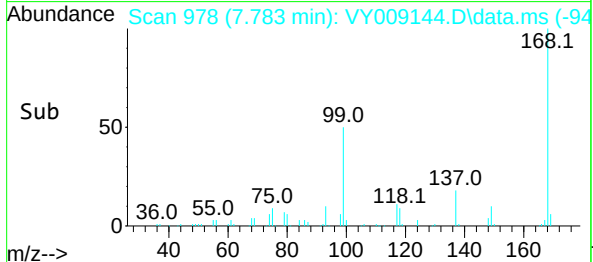
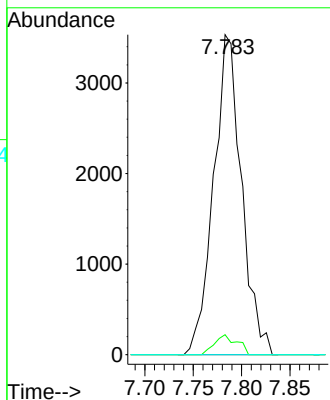


#38
Carbon Tetrachloride
Concen: 5.001 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :

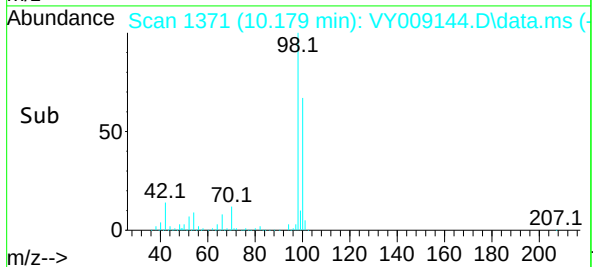
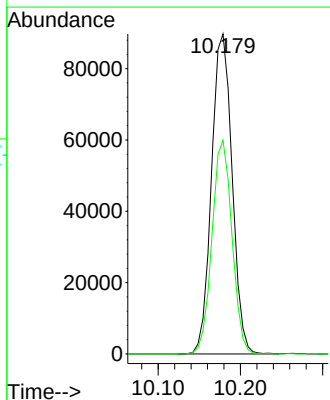
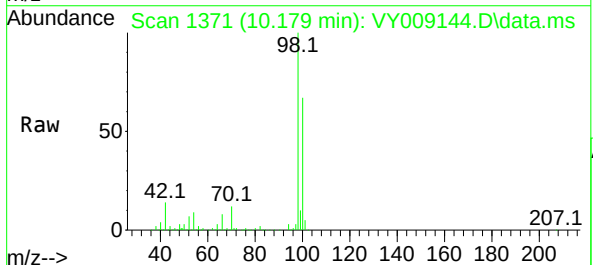


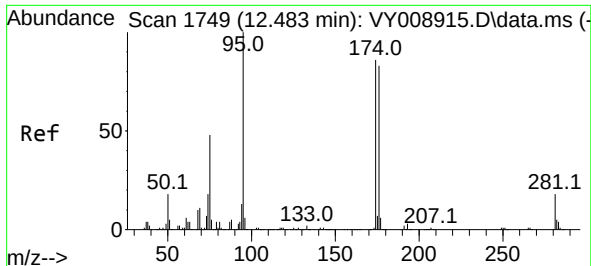
Tgt Ion:117 Resp: 7074
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.128 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

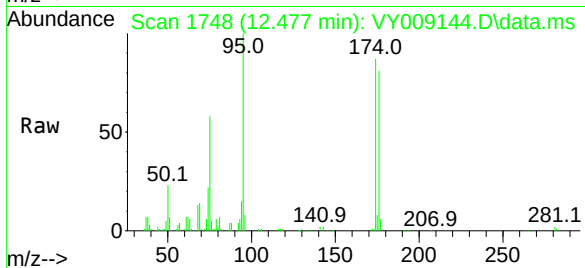
Tgt Ion: 98 Resp: 155730
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



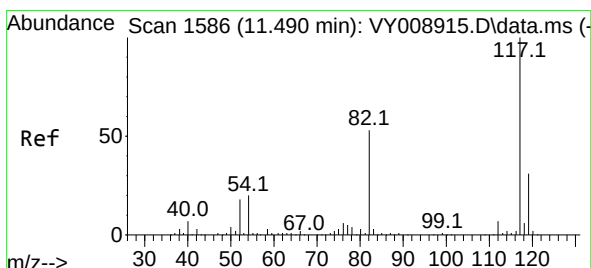
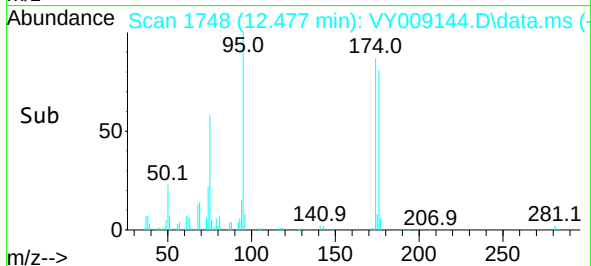
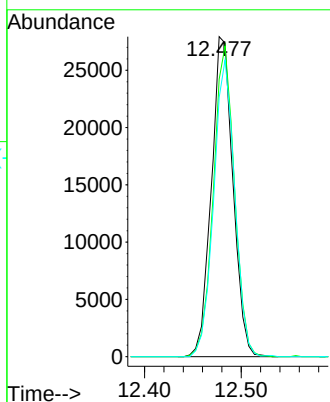


#62
4-Bromofluorobenzene
Concen: 36.643 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :

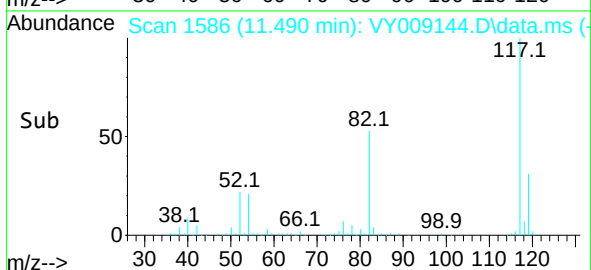
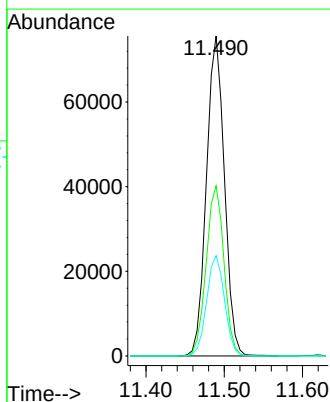
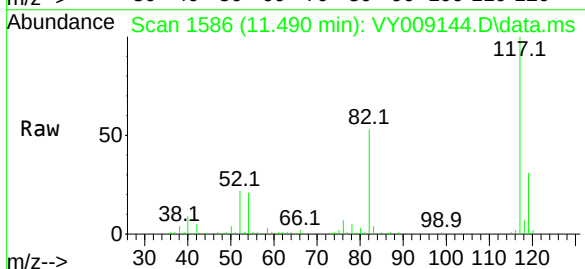


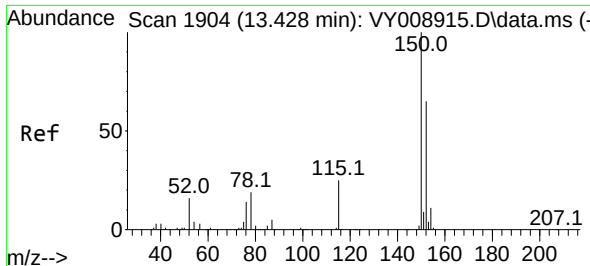
Tgt Ion: 95 Resp: 43327
Ion Ratio Lower Upper
95 100
174 94.9 0.0 177.0
176 90.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009144.D
Acq: 06 Jun 2022 13:54

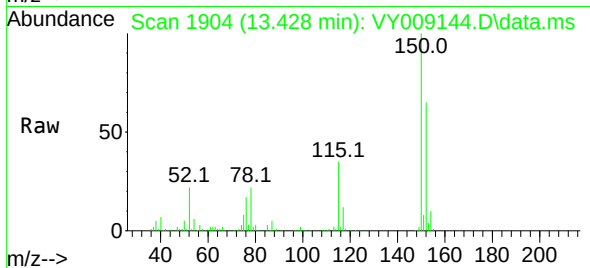
Tgt Ion: 117 Resp: 120372
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.4 25.4 38.0



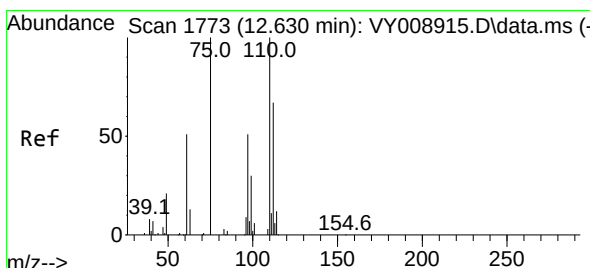
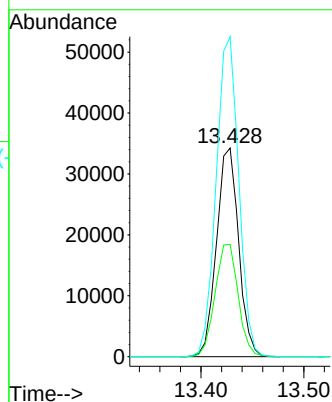
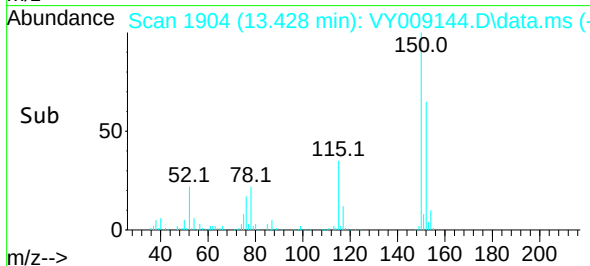


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY009144.D
 Acq: 06 Jun 2022 13:54

Instrument :
 MSVOA_Y
 ClientSampleId :

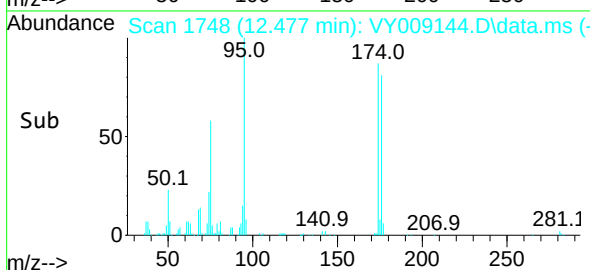
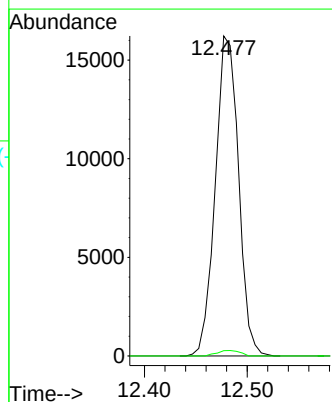
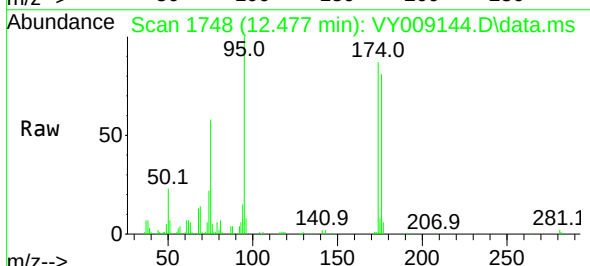


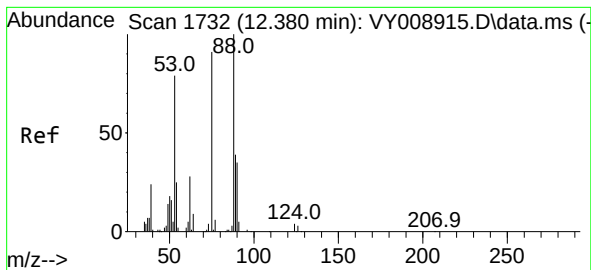
Tgt Ion:152 Resp: 51092
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.2 84.7
 150 156.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.351 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009144.D
 Acq: 06 Jun 2022 13:54

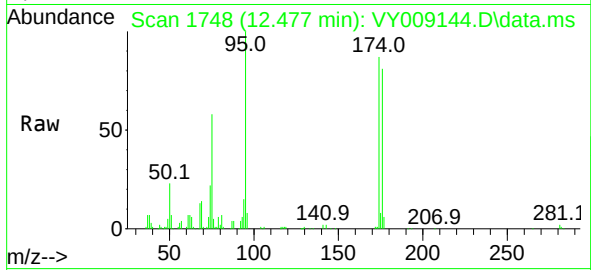
Tgt Ion: 75 Resp: 25431
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.135 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009144.D
 Acq: 06 Jun 2022 13:54

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

