

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014246.D
 Acq On : 19 Jun 2023 22:27
 Operator : KP/MD
 Sample : 03320-13
 Misc : 4.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14

Quant Time: Jun 20 05:03:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	171338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	260184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121750	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115767	48.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.040%
35) Dibromofluoromethane	7.722	113	90956	46.689	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.380%
50) Toluene-d8	10.185	98	324537	44.559	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.120%
62) 4-Bromofluorobenzene	12.483	95	104035	40.211	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.420%

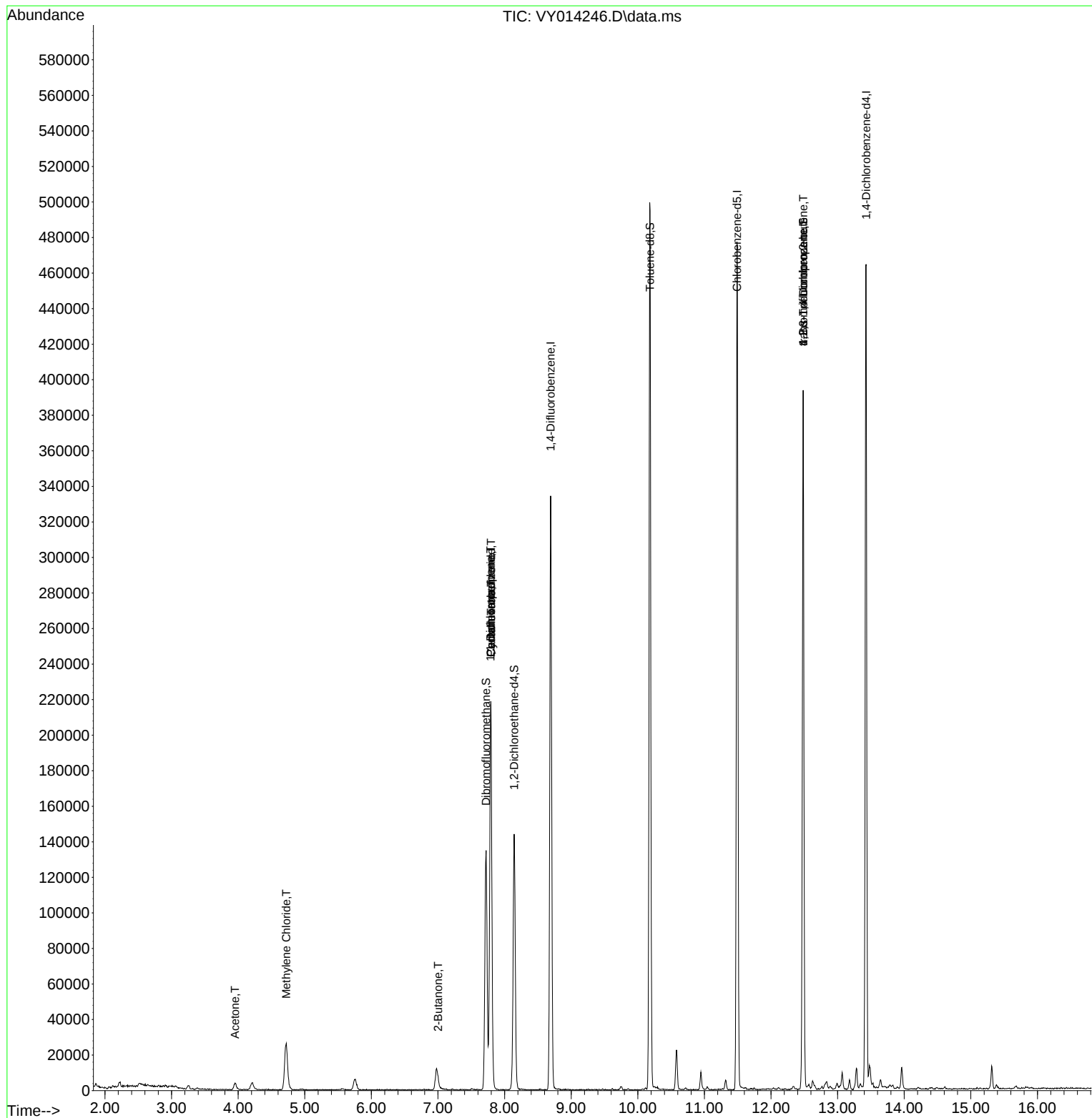
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	599	Below Cal	#	89
13) Acrolein	3.997	56	28	Below Cal	#	14
16) Acetone	3.954	43	6750	9.386	ug/l	99
20) Methylene Chloride	4.722	84	19492	5.283	ug/l	95
25) 2-Butanone	7.003	43	1425	1.610	ug/l	# 49
31) Cyclohexane	7.795	56	3881	1.214	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	13381	4.406	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	16402	4.680	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	57326	35.889	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	57326	77.577	ug/l	# 11

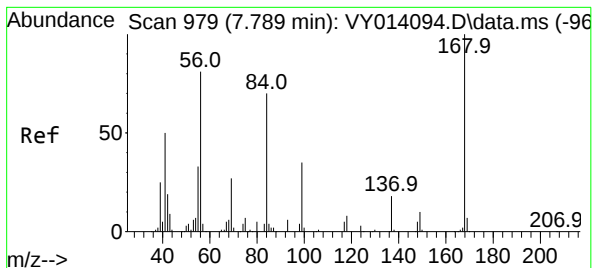
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY014246.D

Acq: 19 Jun 2023 22:27

Instrument :

MSVOA_Y

ClientSampleId :

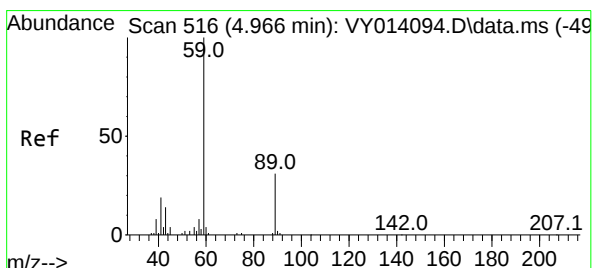
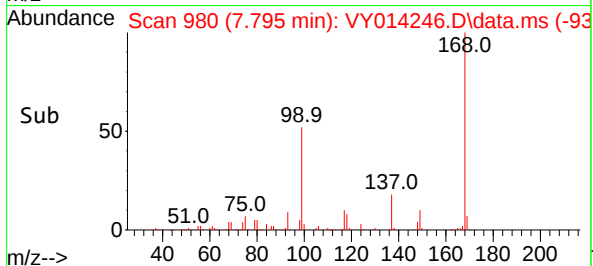
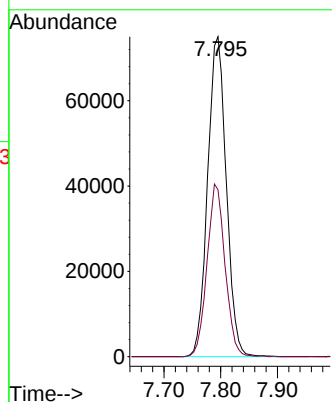
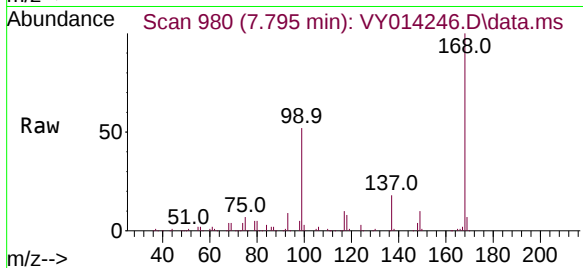
WC-14

Tgt Ion:168 Resp: 171338

Ion Ratio Lower Upper

168 100

99 52.2 43.4 65.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY014246.D

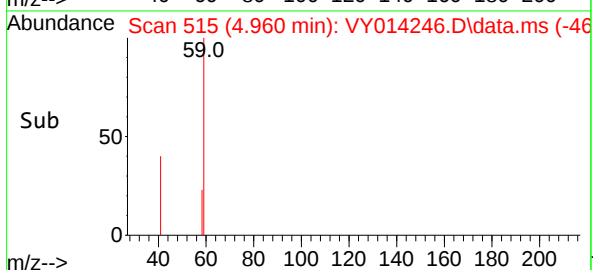
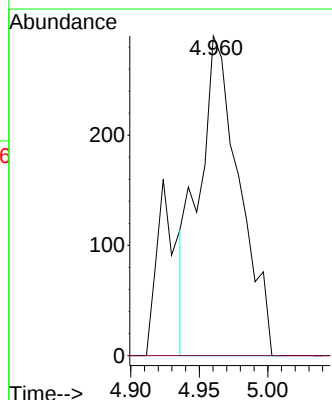
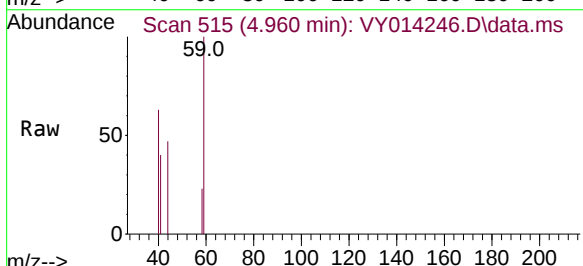
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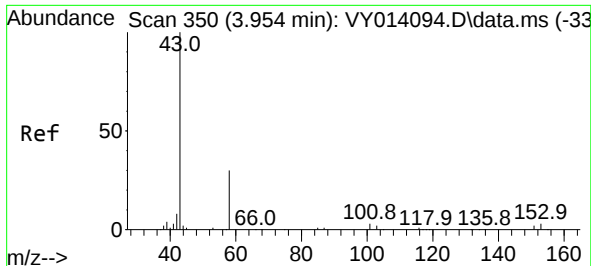
Tgt Ion: 59 Resp: 599

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

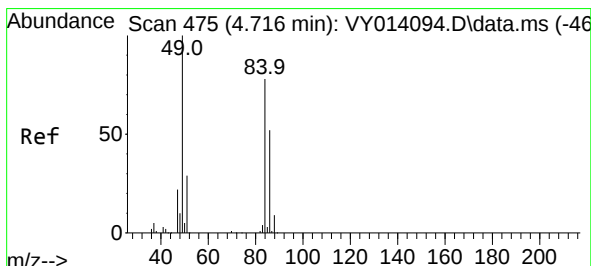
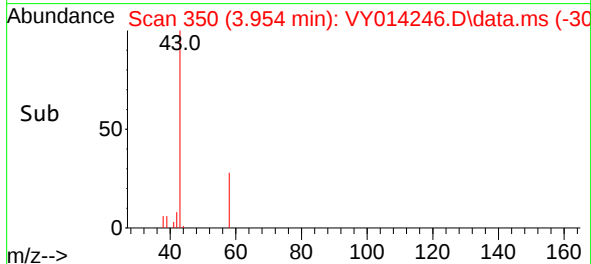
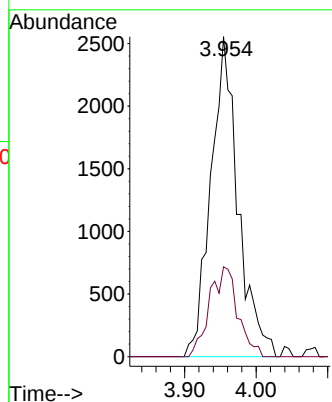
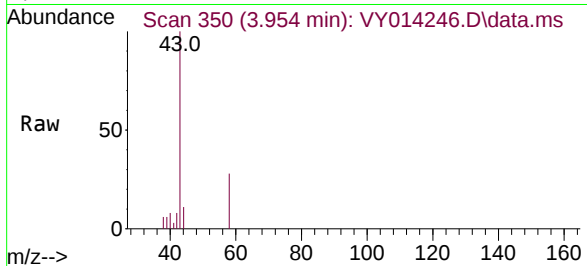




#16
Acetone
Concen: 9.386 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

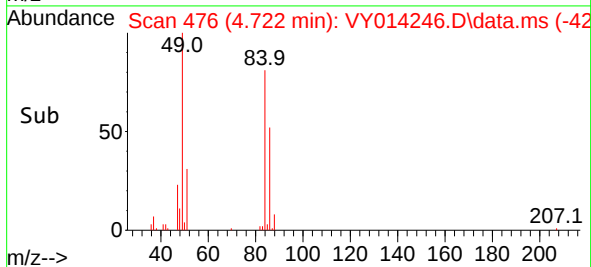
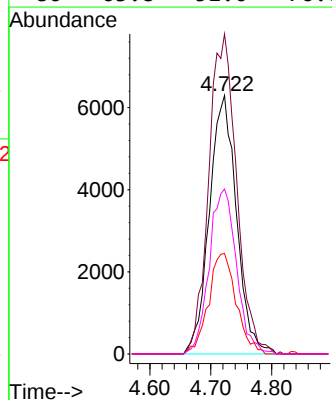
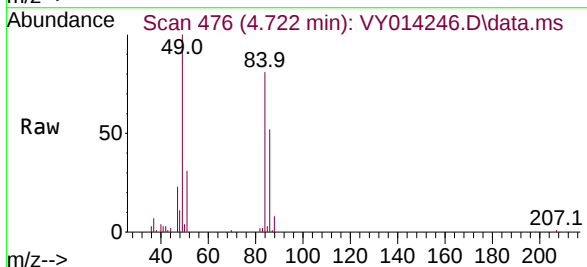
Instrument :
MSVOA_Y
ClientSampleId :
WC-14

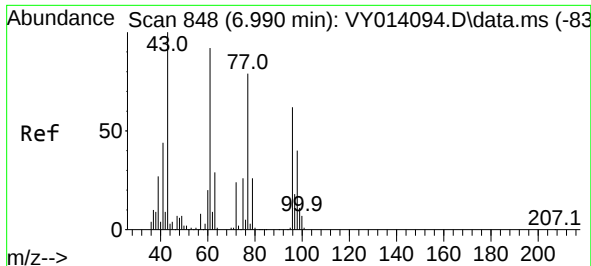
Tgt Ion: 43 Resp: 6750
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 5.283 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

Tgt Ion: 84 Resp: 19492
Ion Ratio Lower Upper
84 100
49 123.8 106.9 160.3
51 38.9 33.2 49.8
86 63.8 51.0 76.6

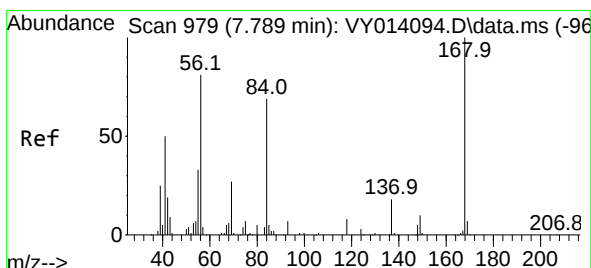
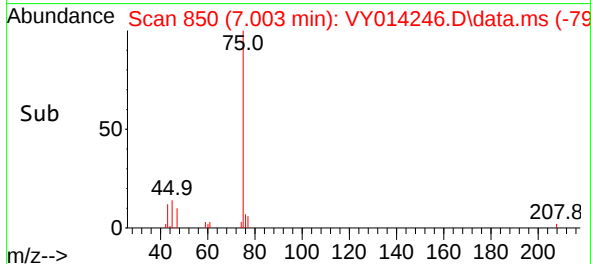
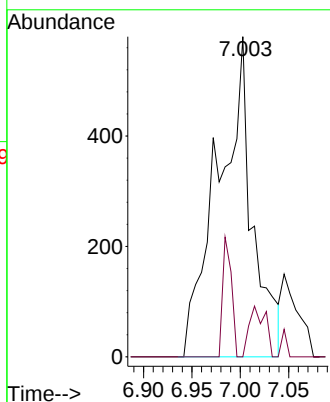
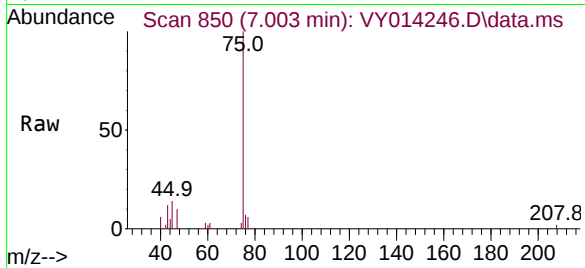




#25
2-Butanone
Concen: 1.610 ug/l
RT: 7.003 min Scan# 81
Delta R.T. 0.013 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

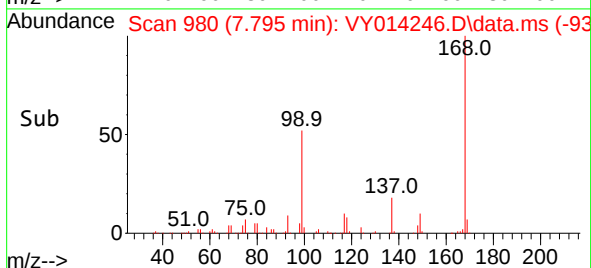
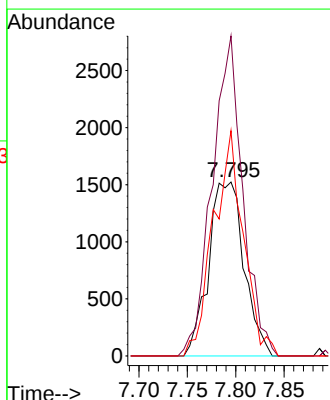
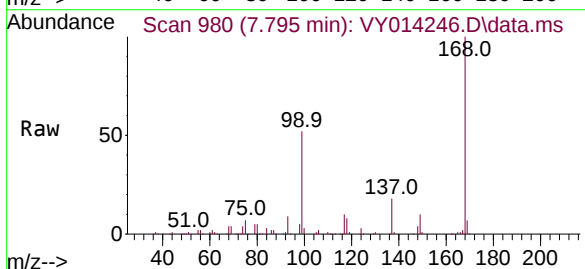
Instrument :
MSVOA_Y
ClientSampleId :
WC-14

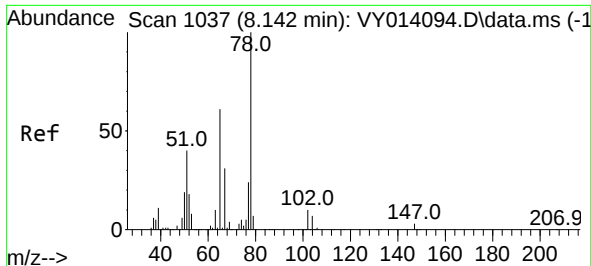
Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

Tgt Ion: 56 Resp: 3881
Ion Ratio Lower Upper
56 100
69 184.0 27.8 41.6#
84 129.5 66.4 99.6#



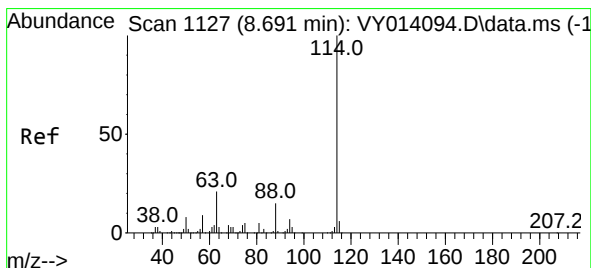
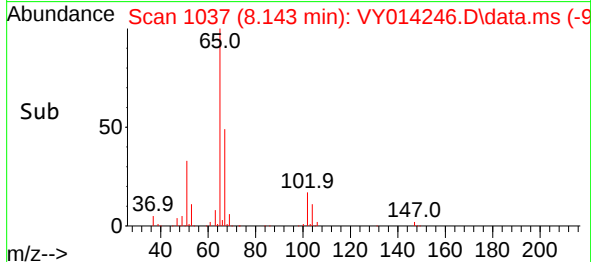
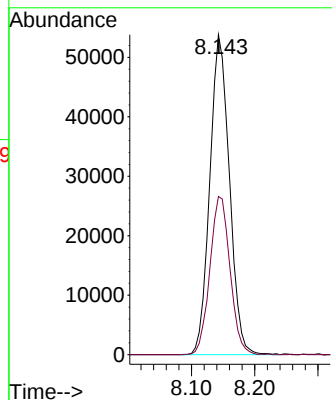
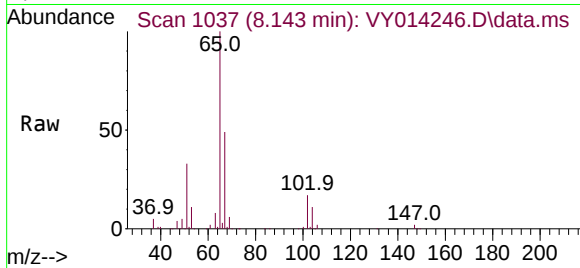


#33
 1,2-Dichloroethane-d4
 Concen: 48.521 ug/l
 RT: 8.143 min Scan# 1103
 Delta R.T. 0.001 min
 Lab File: VY014246.D
 Acq: 19 Jun 2023 22:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14

Tgt Ion: 65 Resp: 115767

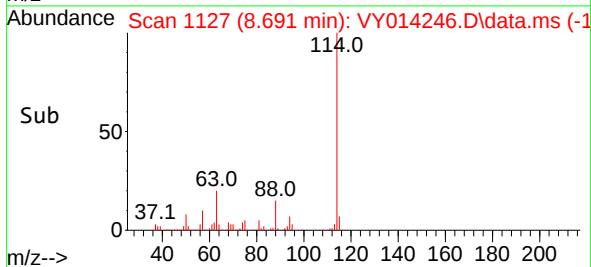
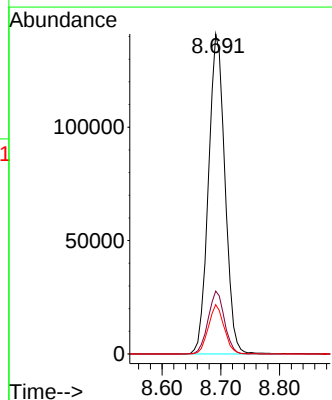
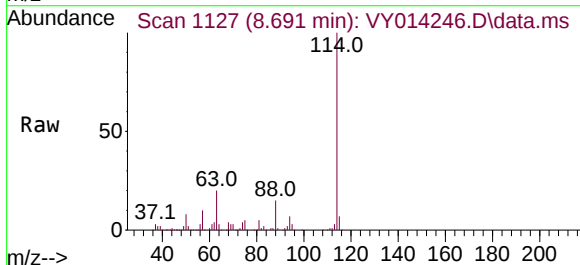
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.8

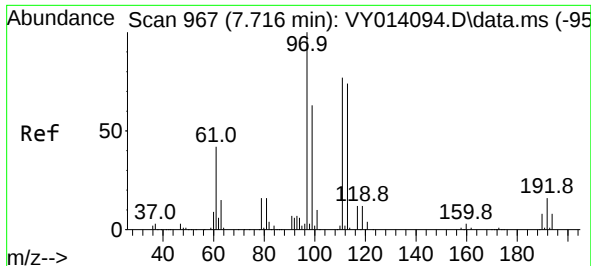


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014246.D
 Acq: 19 Jun 2023 22:27

Tgt Ion: 114 Resp: 274703

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.4
88	15.4	0.0	30.6





#35

Dibromofluoromethane

Concen: 46.689 ug/l

RT: 7.722 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014246.D

Acq: 19 Jun 2023 22:27

Instrument :

MSVOA_Y

ClientSampleId :

WC-14

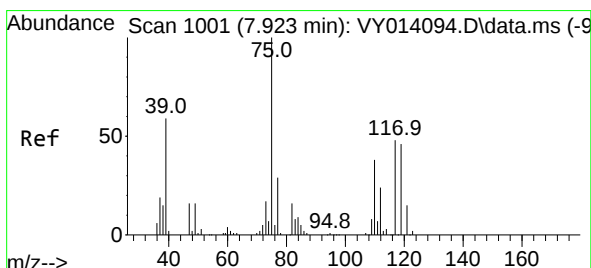
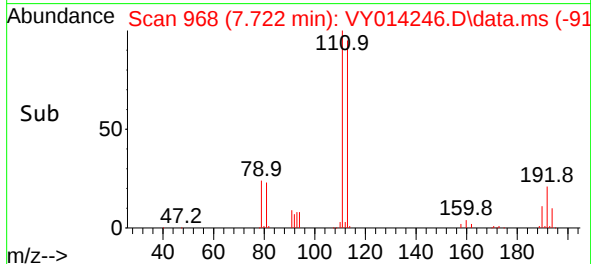
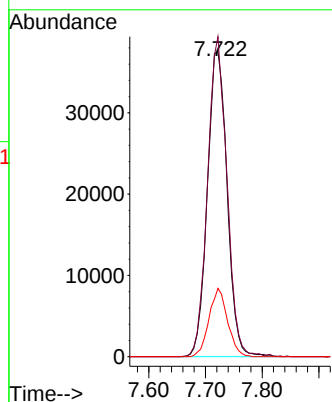
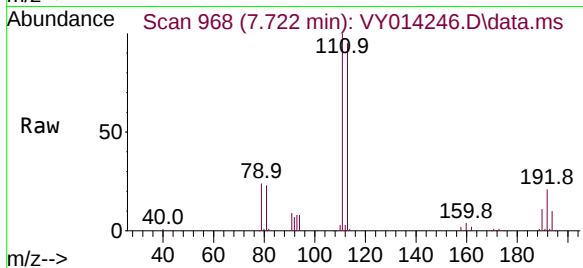
Tgt Ion:113 Resp: 90956

Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 21.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.406 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY014246.D

Acq: 19 Jun 2023 22:27

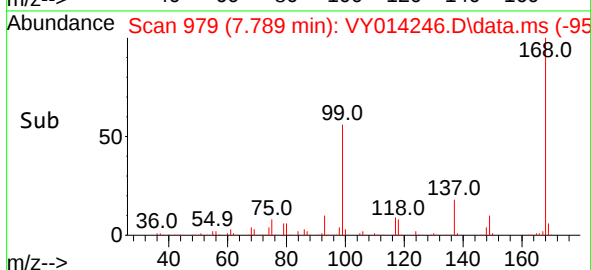
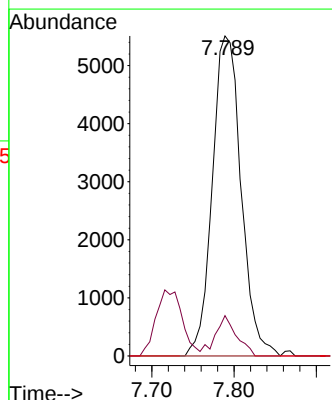
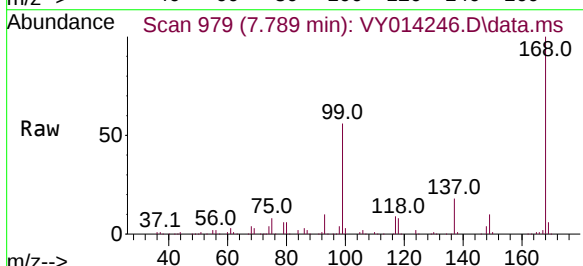
Tgt Ion: 75 Resp: 13381

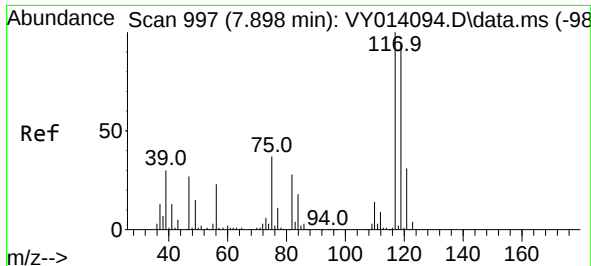
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

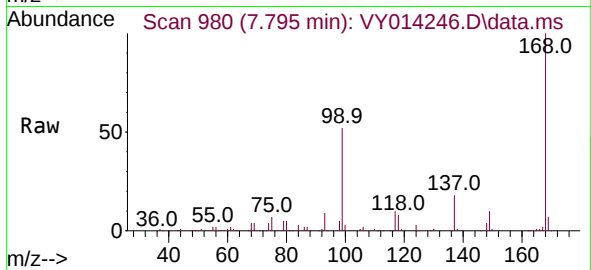
77 0.0 24.4 36.6#



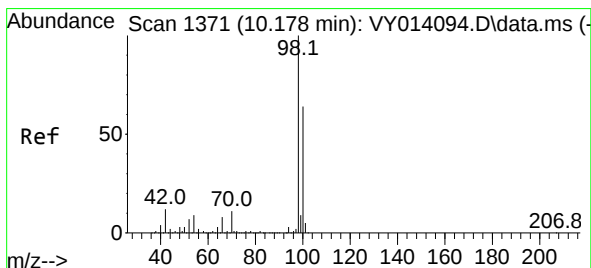
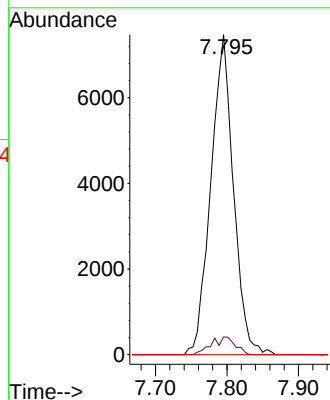
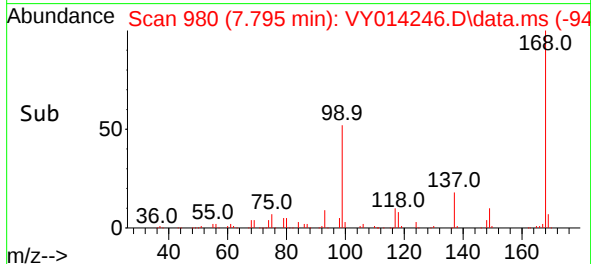


#38
Carbon Tetrachloride
Concen: 4.680 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

Instrument :
MSVOA_Y
ClientSampleId :
WC-14

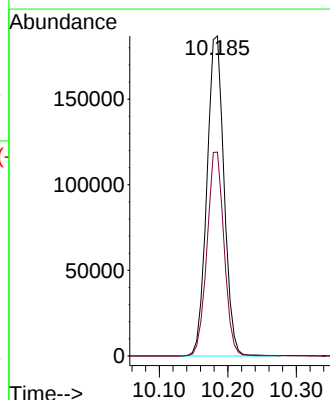
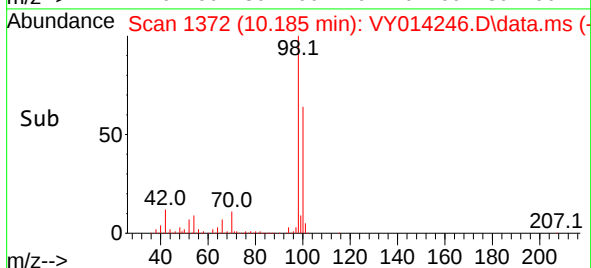
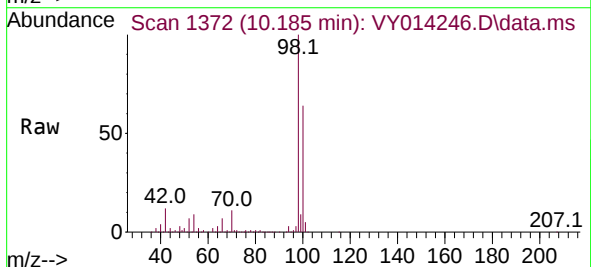


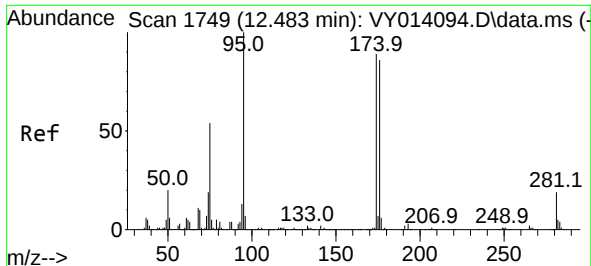
Tgt Ion:117 Resp: 16402
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.559 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

Tgt Ion: 98 Resp: 324537
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

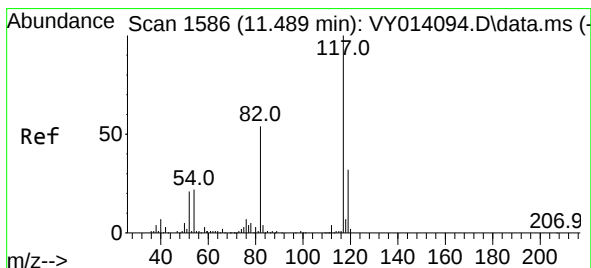
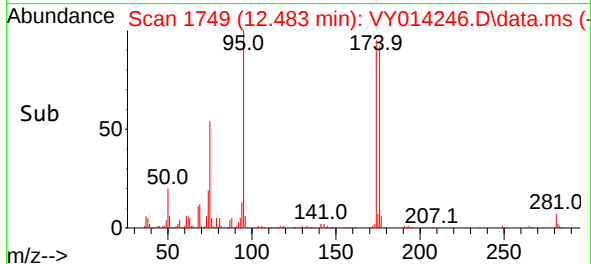
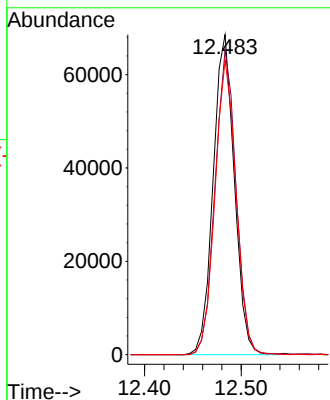
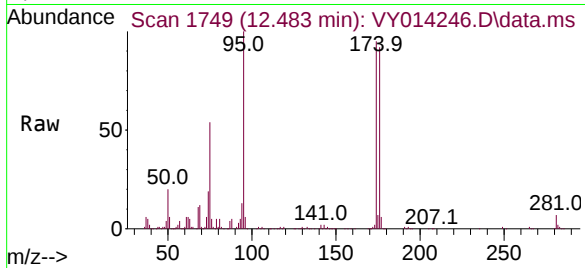




#62
4-Bromofluorobenzene
Concen: 40.211 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

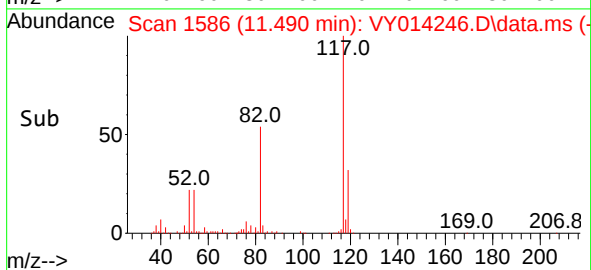
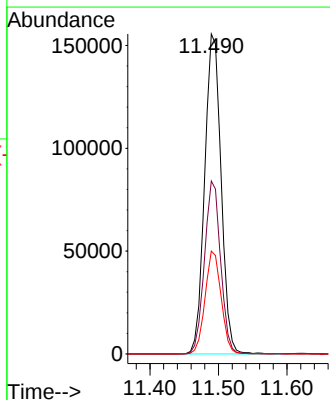
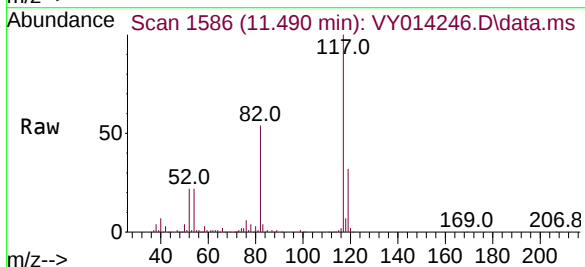
Instrument :
MSVOA_Y
ClientSampleId :
WC-14

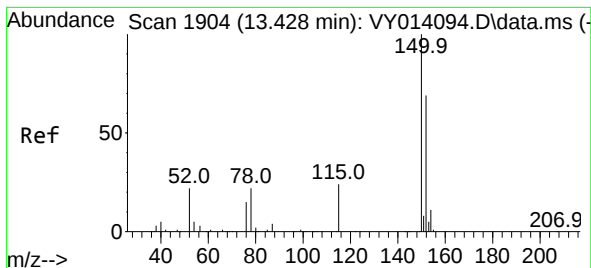
Tgt Ion: 95 Resp: 104035
Ion Ratio Lower Upper
95 100
174 94.7 0.0 178.2
176 91.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014246.D
Acq: 19 Jun 2023 22:27

Tgt Ion: 117 Resp: 260184
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014246.D

Acq: 19 Jun 2023 22:27

Instrument :

MSVOA_Y

ClientSampleId :

WC-14

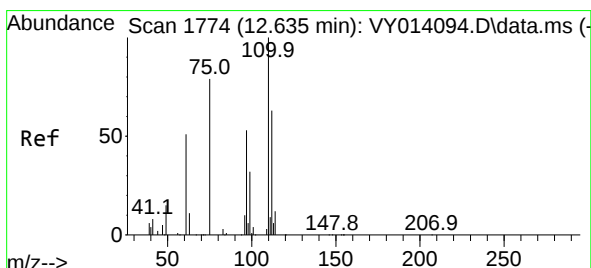
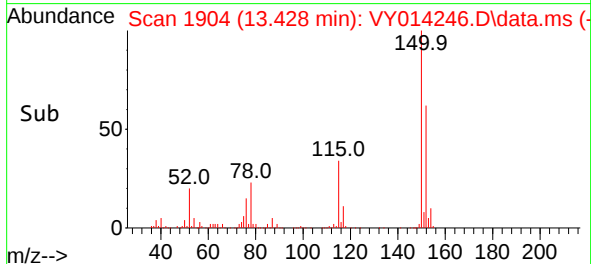
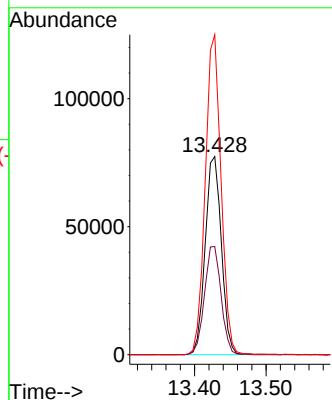
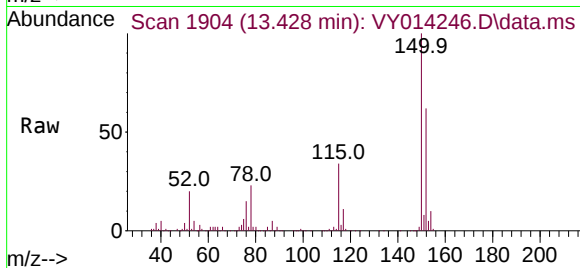
Tgt Ion:152 Resp: 121750

Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 157.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.889 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014246.D

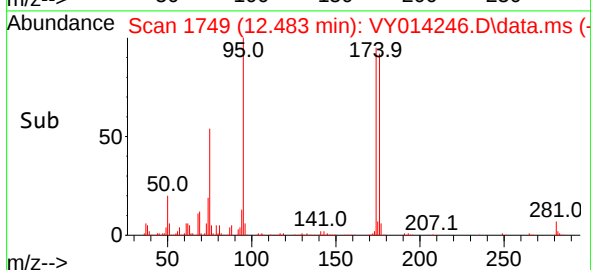
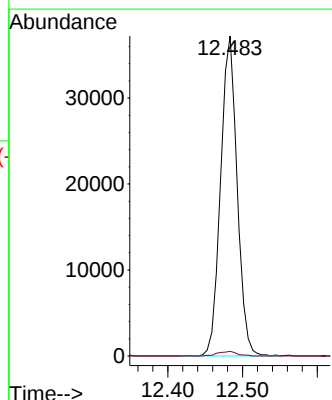
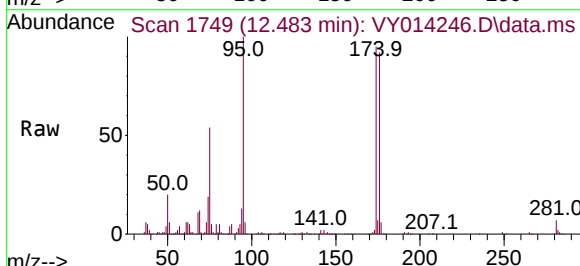
Acq: 19 Jun 2023 22:27

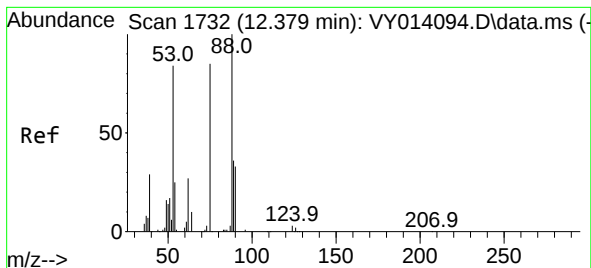
Tgt Ion: 75 Resp: 57326

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 77.577 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY014246.D

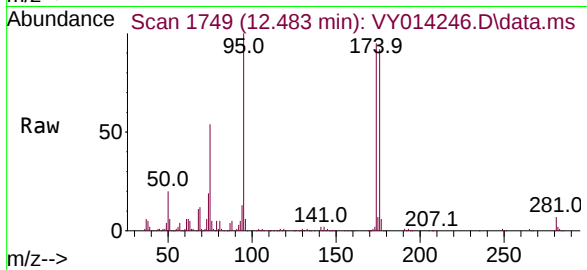
Acq: 19 Jun 2023 22:27

Instrument :

MSVOA_Y

ClientSampleId :

WC-14



Tgt Ion: 75 Resp: 57326

Ion Ratio Lower Upper

75 100

53 0.7 77.8 116.8#

89 0.2 37.4 56.0#

