

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014440.D
 Acq On : 26 Jun 2023 17:37
 Operator : KP/MD
 Sample : 03375-03
 Misc : 3.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(0-2)

Quant Time: Jun 27 01:50:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	165329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	253936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	238492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111350	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113508	55.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.600%
35) Dibromofluoromethane	7.722	113	79073	50.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.800%
50) Toluene-d8	10.179	98	297280	47.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.340%
62) 4-Bromofluorobenzene	12.483	95	93442	41.969	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.940%

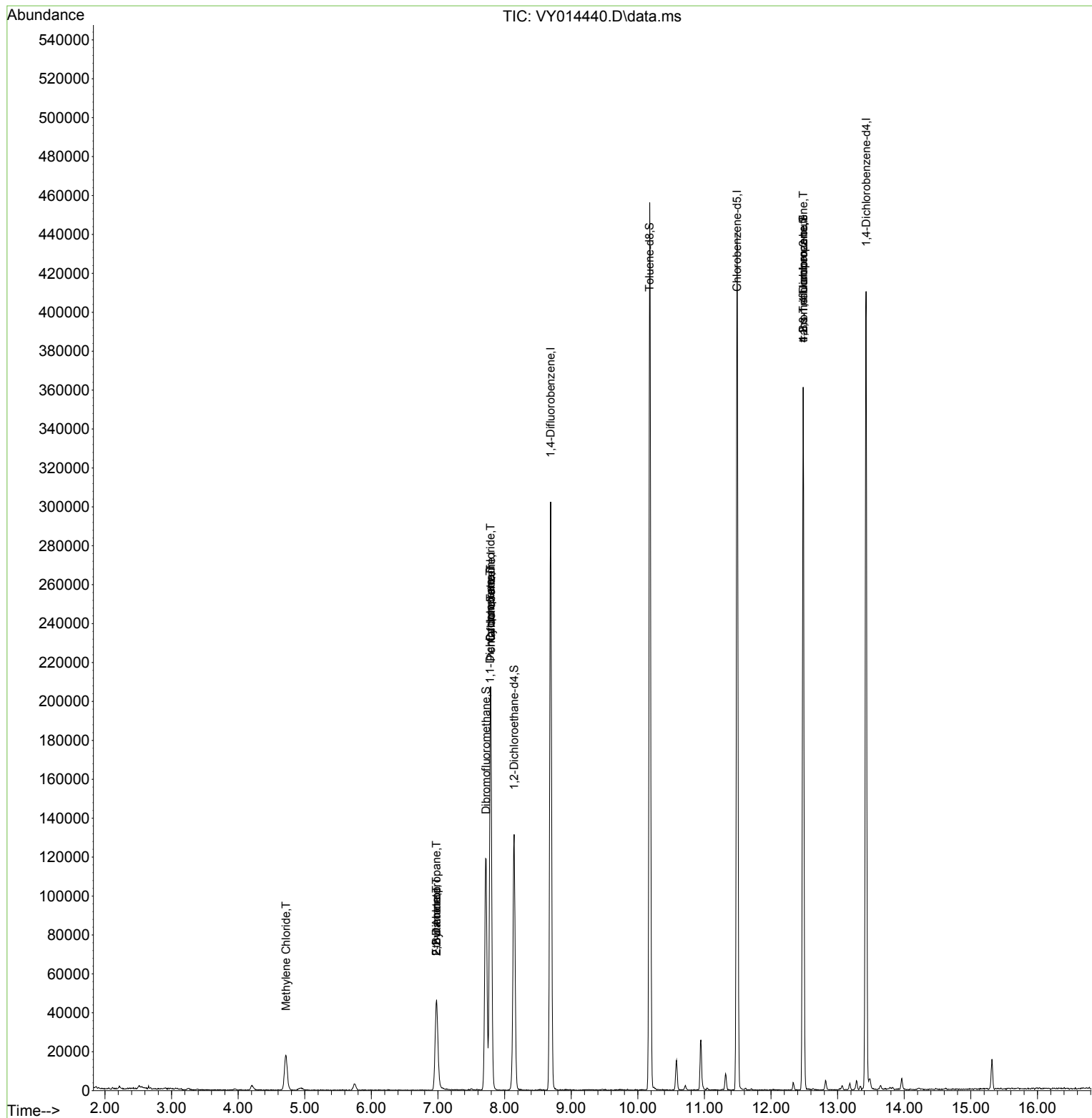
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	507	Below Cal	#	89
20) Methylene Chloride	4.716	84	13802	2.072	ug/l #	74
25) 2-Butanone	6.978	43	2727	3.390	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	3449	1.136	ug/l #	54
31) Cyclohexane	7.789	56	3291	1.298	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	11717	4.846	ug/l #	51
37) Ethyl Acetate	6.978	43	2727	1.637	ug/l #	1
38) Carbon Tetrachloride	7.789	117	15981	5.253	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	53579	38.358	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53579	87.330	ug/l #	11

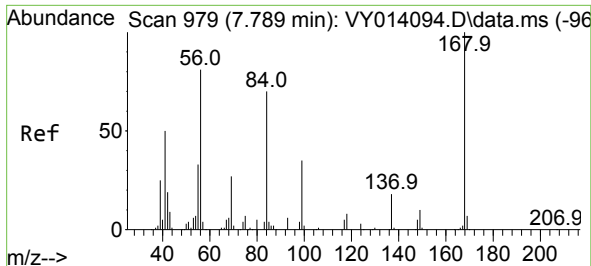
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

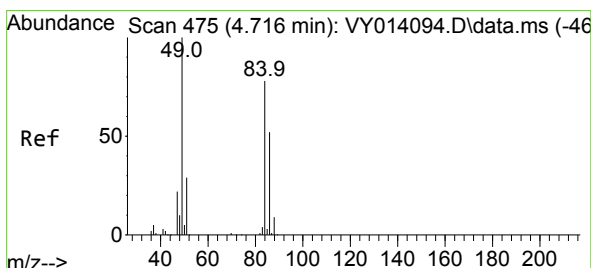
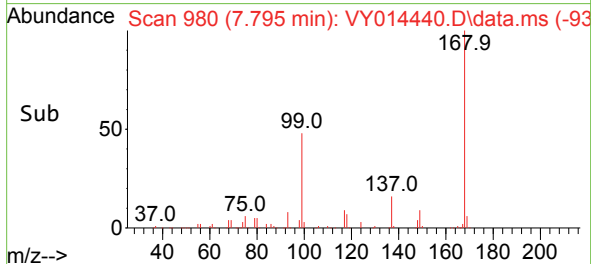
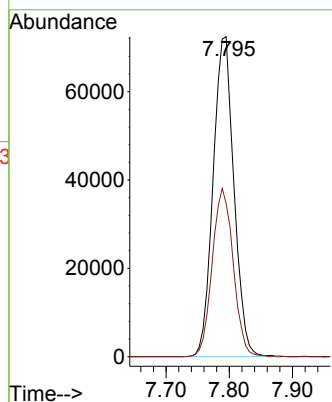
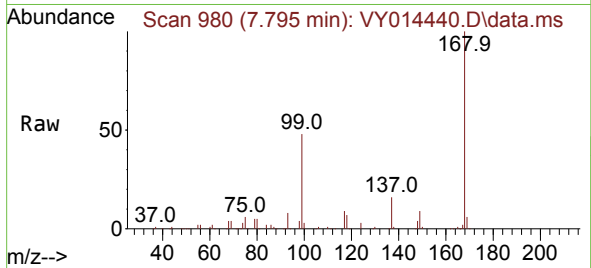




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

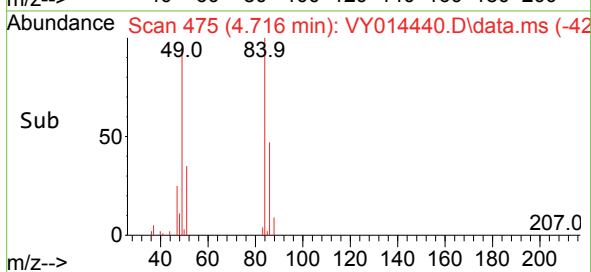
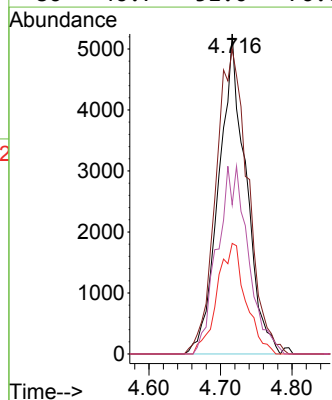
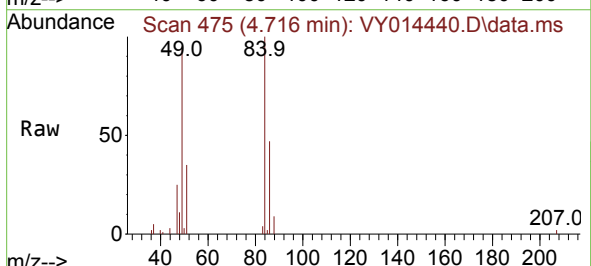
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(0-2)

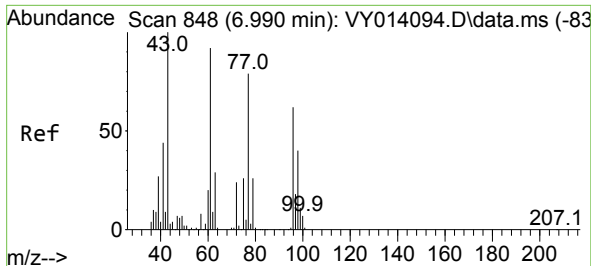
Tgt Ion:168 Resp: 165329
Ion Ratio Lower Upper
168 100
99 47.8 43.4 65.0



#20
Methylene Chloride
Concen: 2.072 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 84 Resp: 13802
Ion Ratio Lower Upper
84 100
49 95.3 106.9 160.3#
51 34.6 33.2 49.8
86 46.7 51.0 76.6#





#25

2-Butanone

Concen: 3.390 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY014440.D

Acq: 26 Jun 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

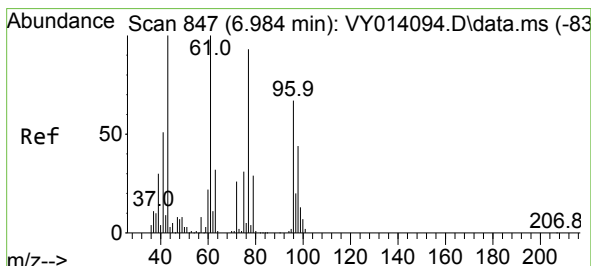
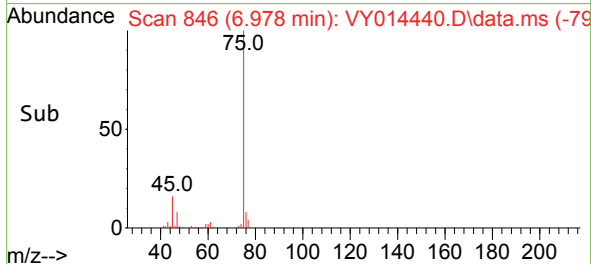
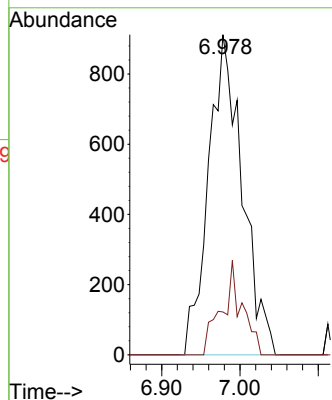
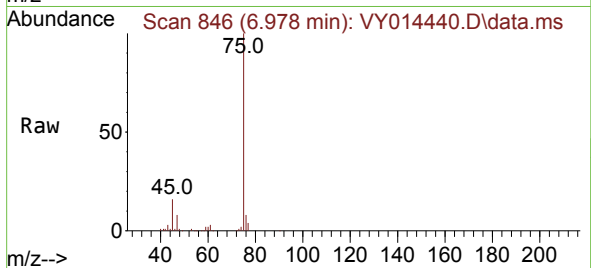
SB-2(0-2)

Tgt Ion: 43 Resp: 2727

Ion Ratio Lower Upper

43 100

72 13.4 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.136 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014440.D

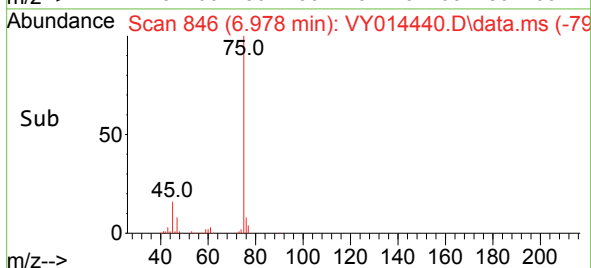
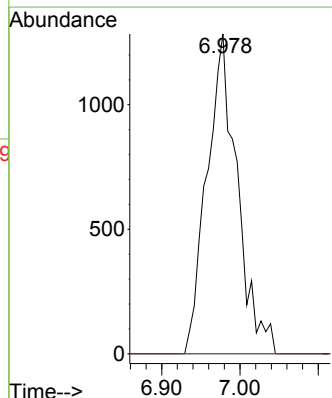
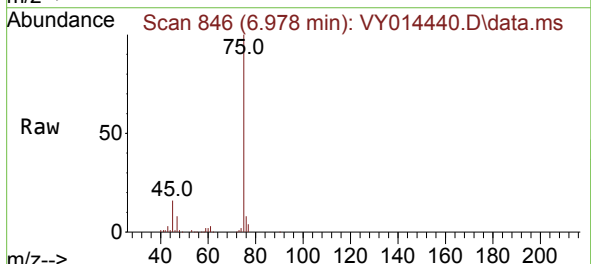
Acq: 26 Jun 2023 17:37

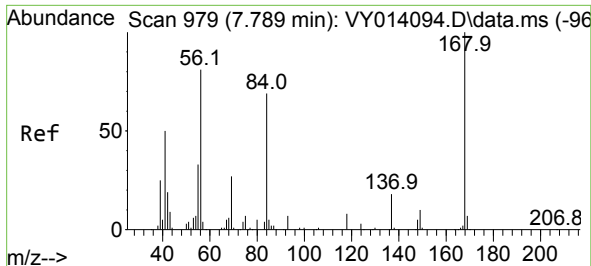
Tgt Ion: 77 Resp: 3449

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

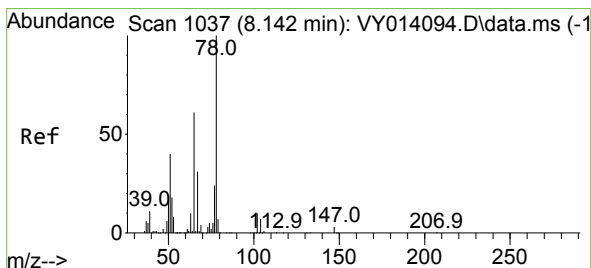
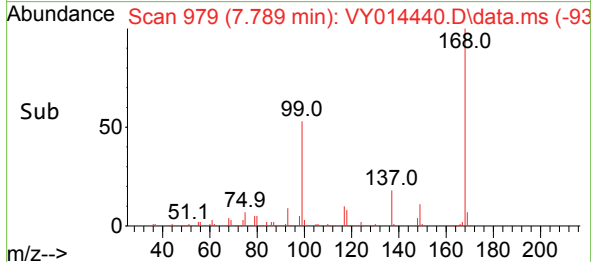
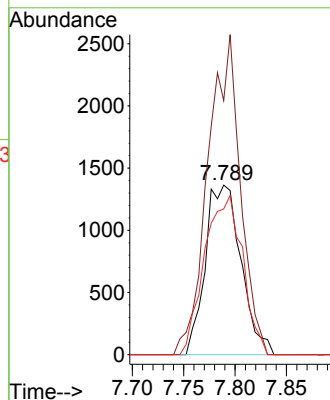
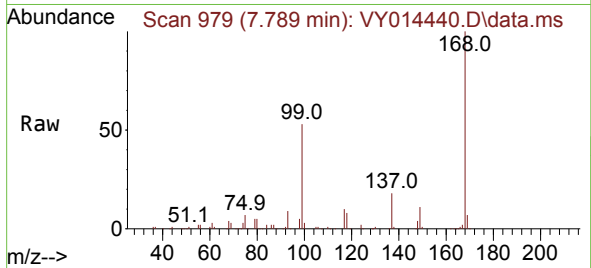




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

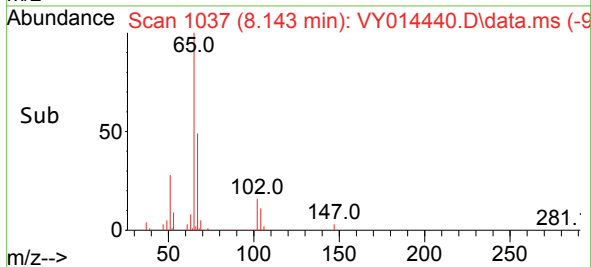
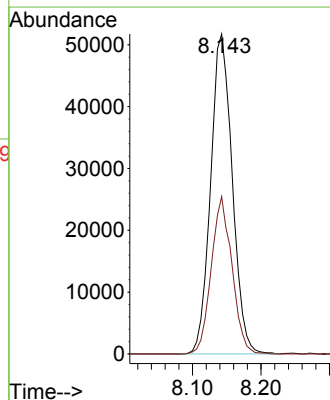
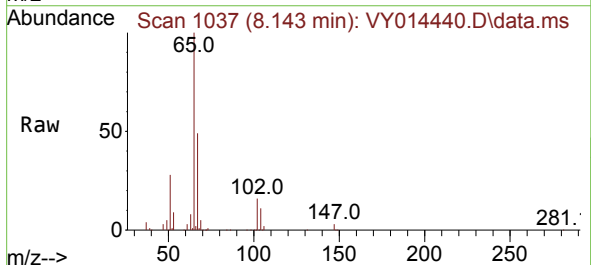
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(0-2)

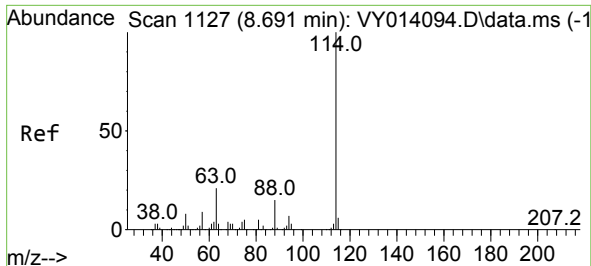
Tgt Ion: 56 Resp: 3291
Ion Ratio Lower Upper
56 100
69 149.8 27.8 41.6#
84 85.9 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 55.297 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 65 Resp: 113508
Ion Ratio Lower Upper
65 100
67 47.1 0.0 101.8

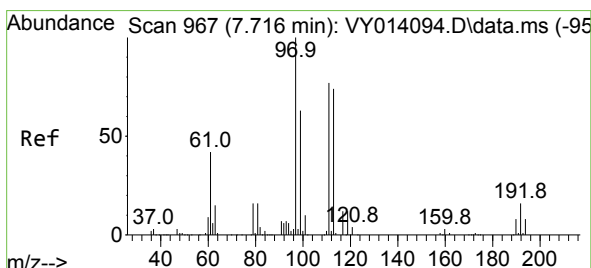
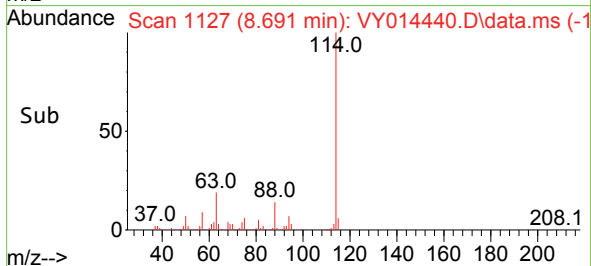
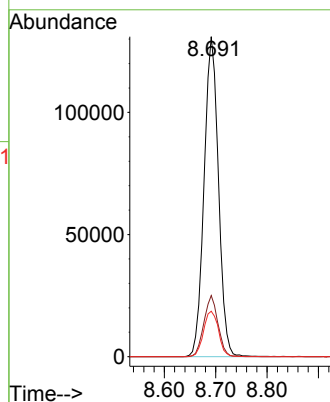
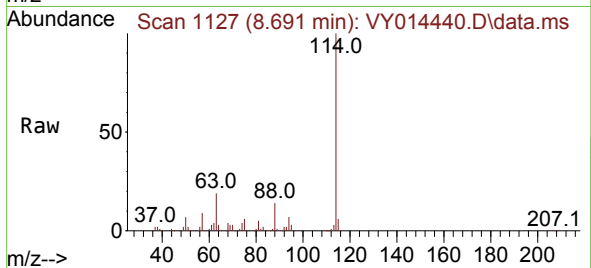




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

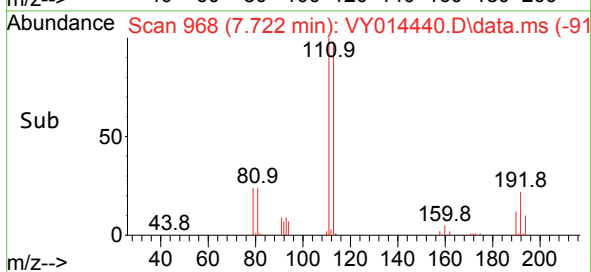
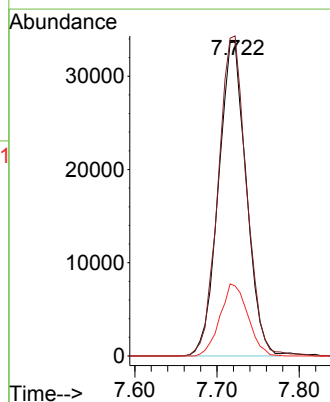
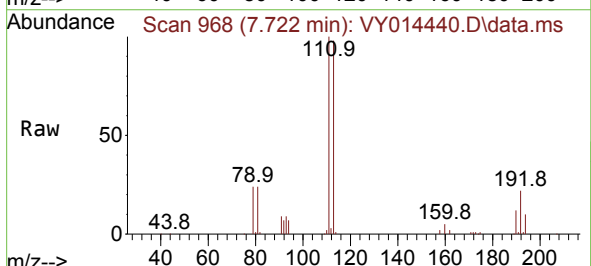
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(0-2)

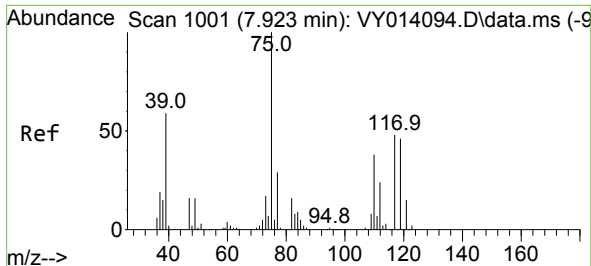
Tgt Ion:	114	Resp:	253936
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.4
88	14.2	0.0	30.6



#35
Dibromofluoromethane
Concen: 50.401 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

Tgt Ion:	113	Resp:	79073
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.3	121.9
192	22.9	16.9	25.3

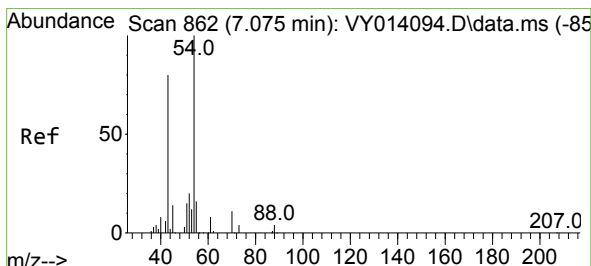
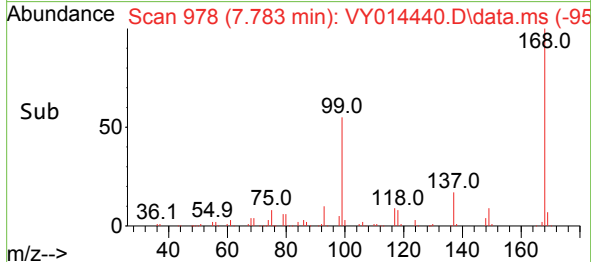
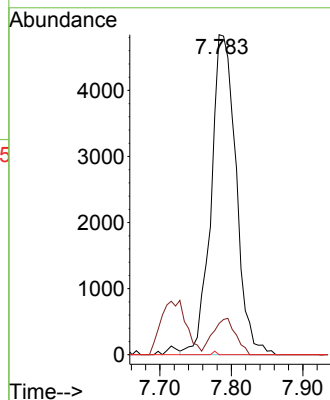
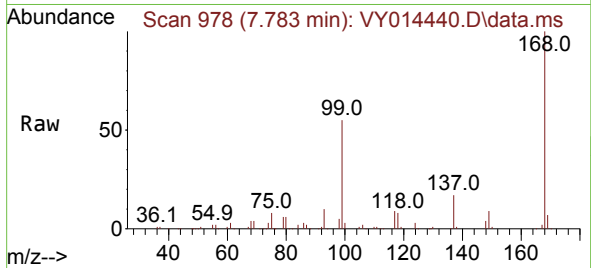




#36
1,1-Dichloropropene
Concen: 4.846 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

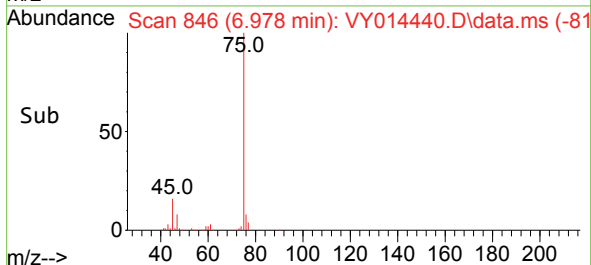
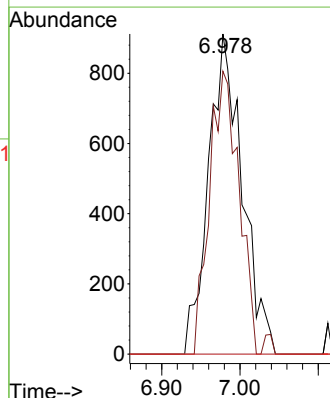
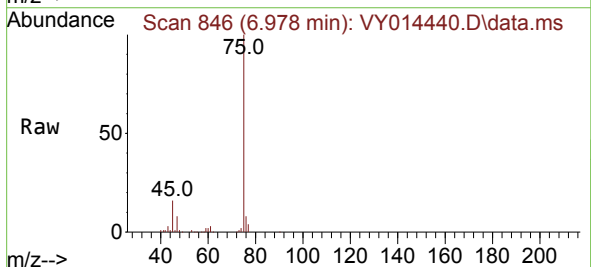
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(0-2)

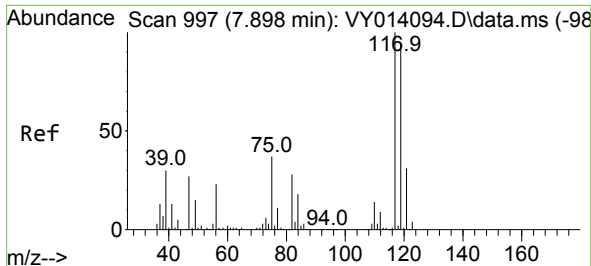
Tgt Ion: 75 Resp: 11717
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.2 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.637 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

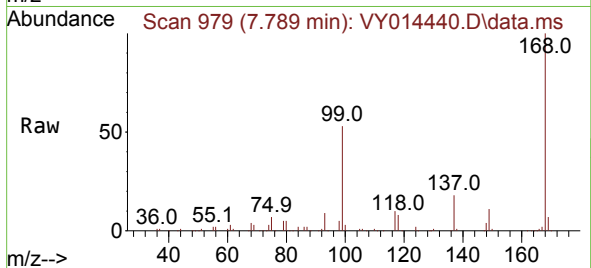
Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
61 77.2 10.1 15.1#
70 0.0 7.1 10.7#



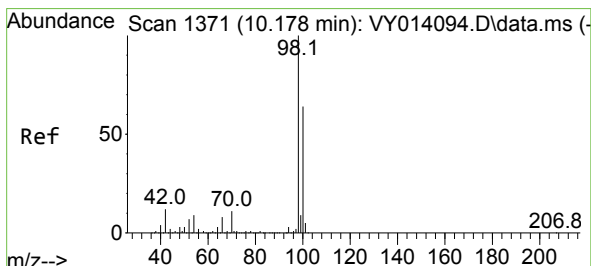
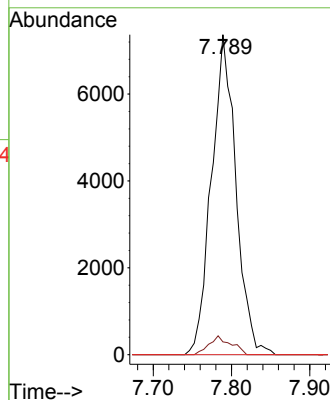
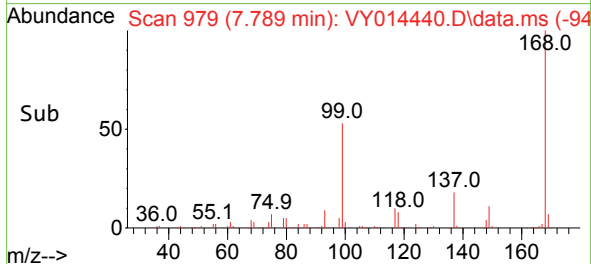


#38
Carbon Tetrachloride
Concen: 5.253 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

Instrument :
MSVOA_Y
ClientSampleId :
SB-2(0-2)

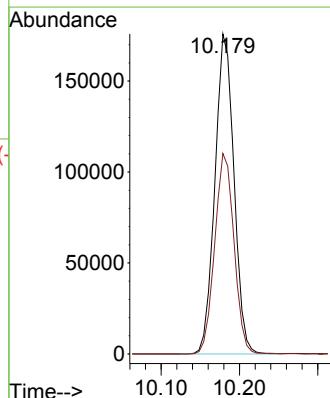
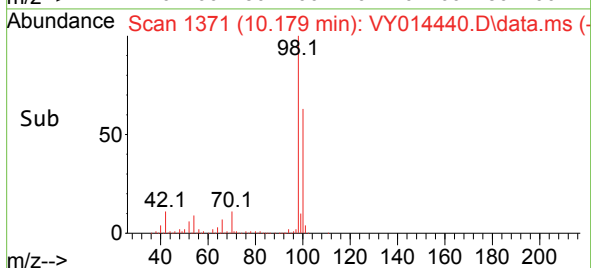
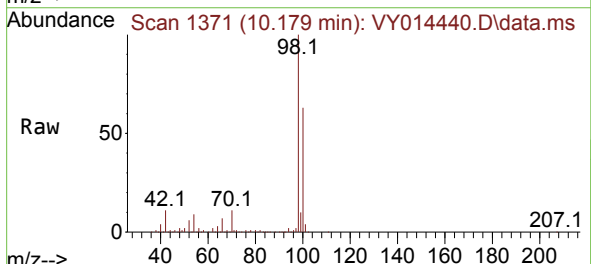


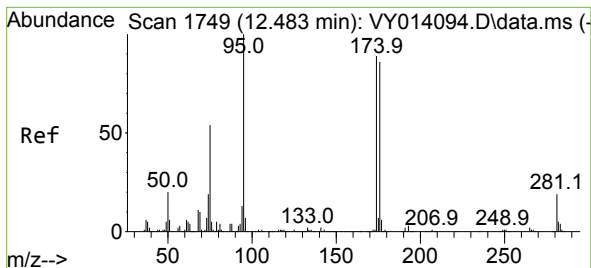
Tgt Ion:117 Resp: 15981
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.668 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 98 Resp: 297280
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1

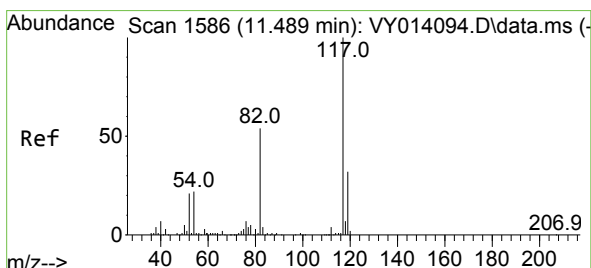
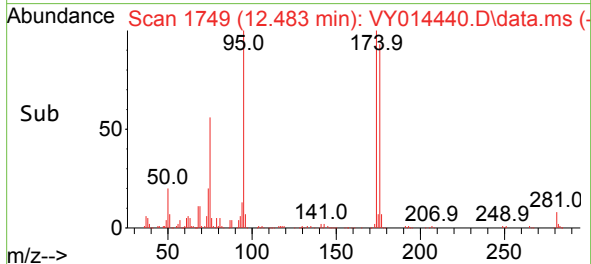
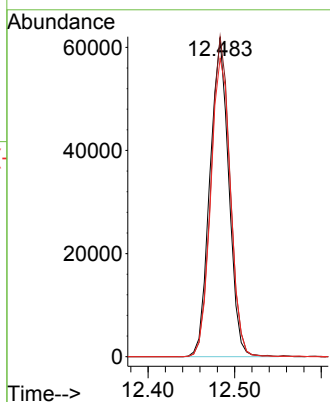
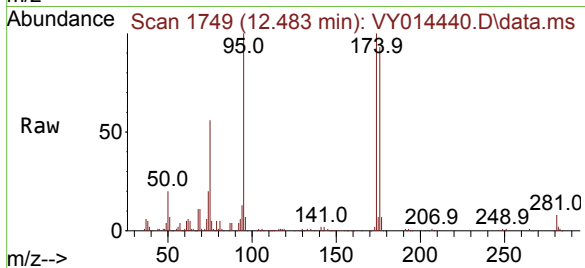




#62
4-Bromofluorobenzene
Concen: 41.969 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

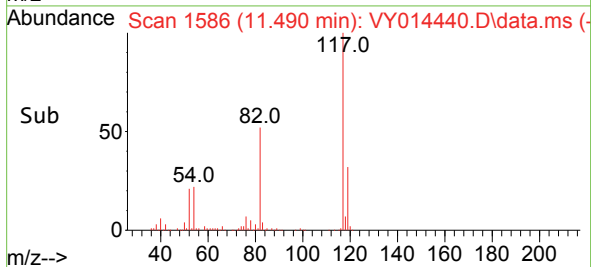
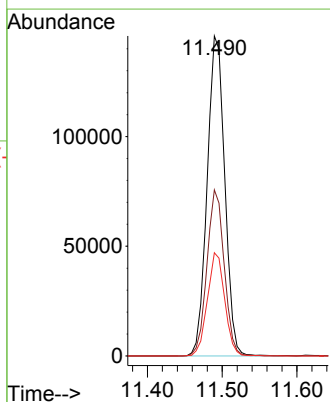
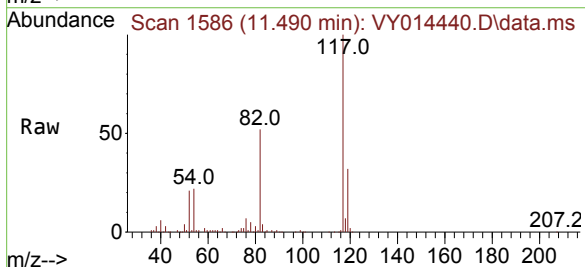
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(0-2)

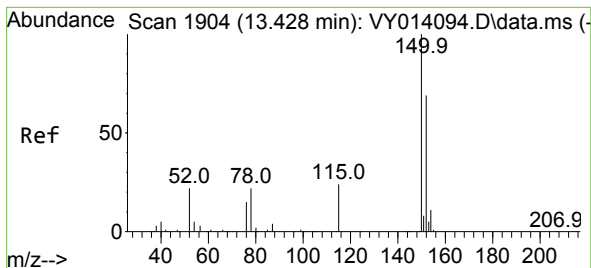
Tgt Ion: 95 Resp: 93442
Ion Ratio Lower Upper
95 100
174 101.9 0.0 178.2
176 98.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014440.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 117 Resp: 238492
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 32.3 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: VY014440.D

Acq: 26 Jun 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

SB-2(0-2)

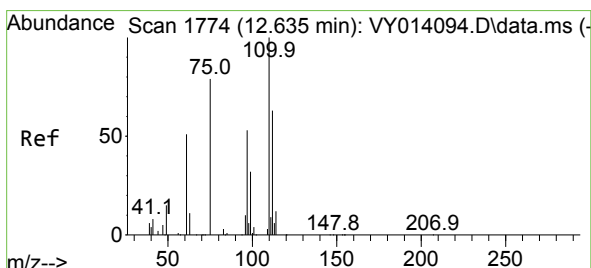
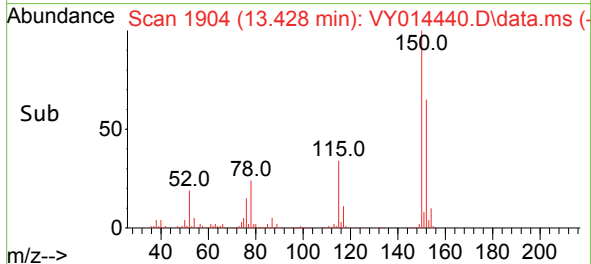
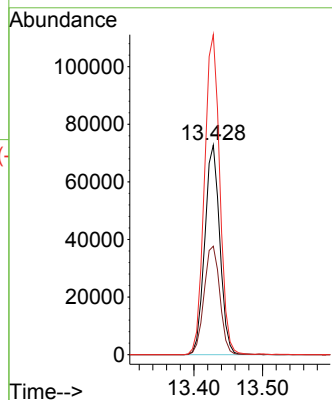
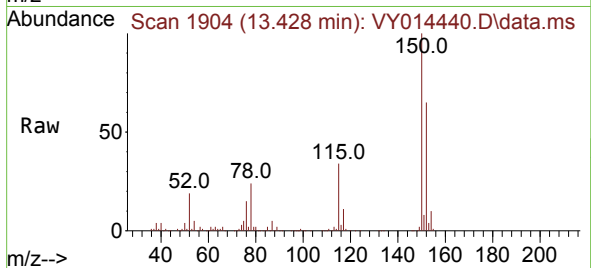
Tgt Ion:152 Resp: 111350

Ion Ratio Lower Upper

152 100

115 54.4 28.8 86.5

150 154.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.358 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014440.D

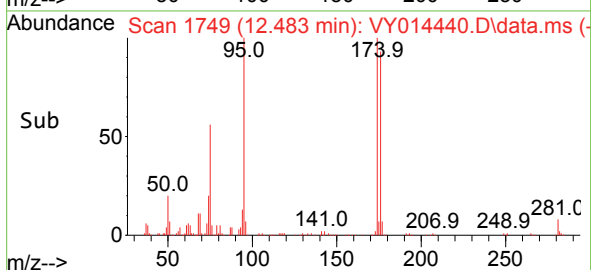
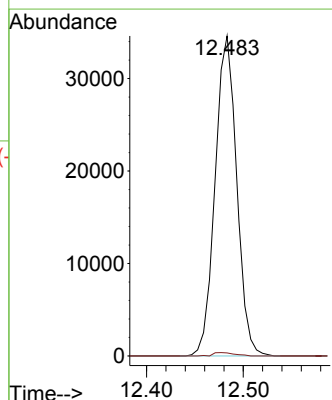
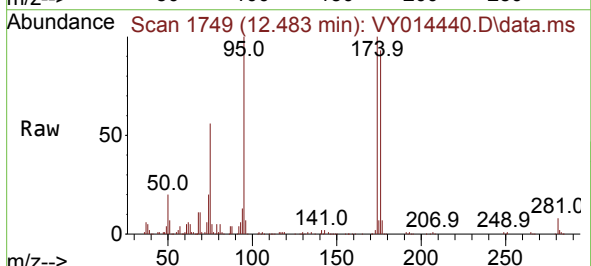
Acq: 26 Jun 2023 17:37

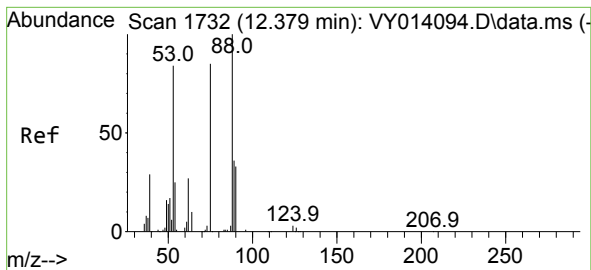
Tgt Ion: 75 Resp: 53579

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.330 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014440.D
 Acq: 26 Jun 2023 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(0-2)

Tgt Ion: 75 Resp: 53579
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

