

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014283.D
 Acq On : 20 Jun 2023 15:09
 Operator : KP/MD
 Sample : 03302-04
 Misc : 7.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3

Quant Time: Jun 21 02:08:04 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)

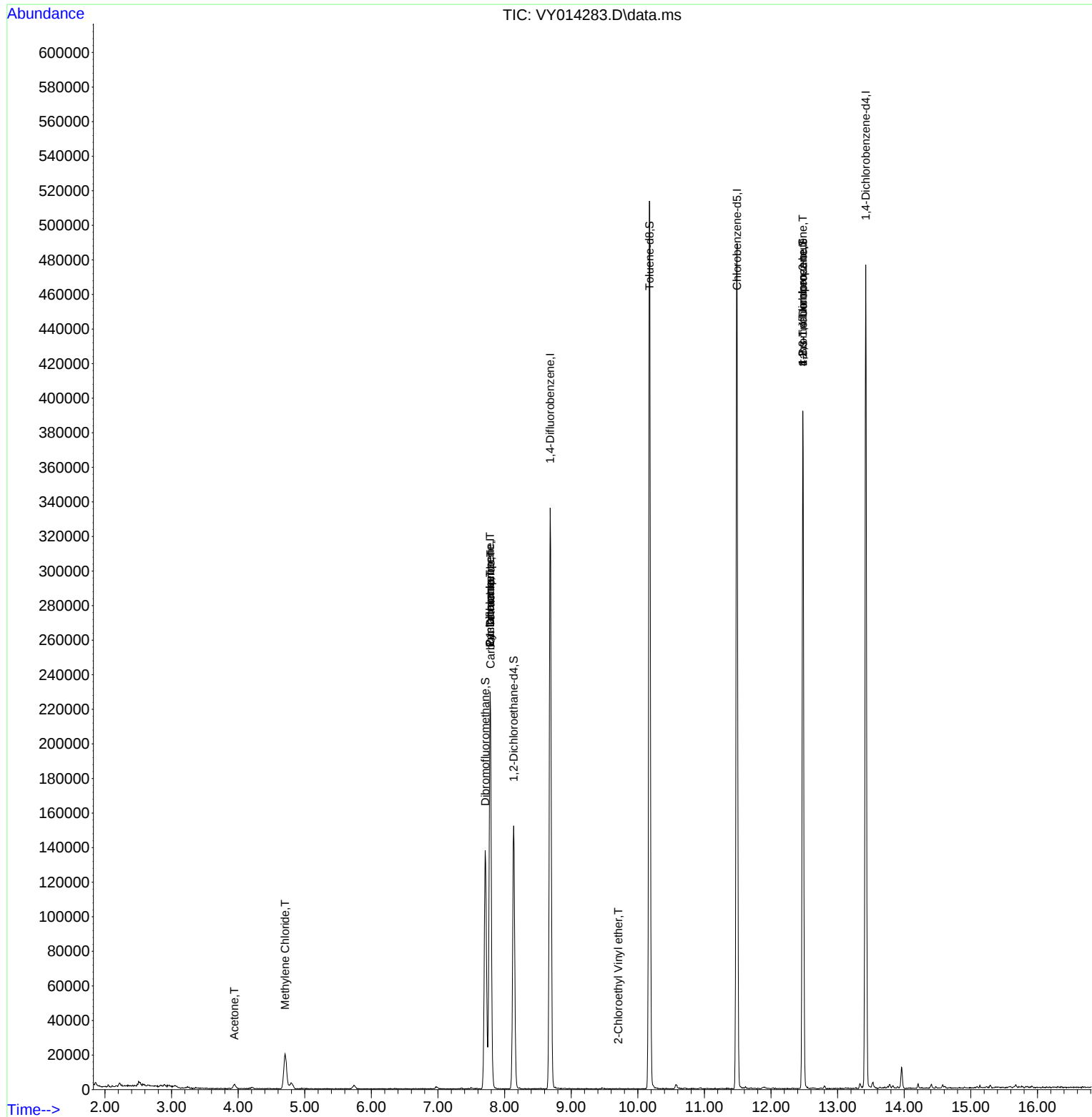
Internal Standards						
1) Pentafluorobenzene	7.783	168	176933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	283337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	263899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125481	50.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.860%
35) Dibromofluoromethane	7.710	113	92944	46.255	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.520%
50) Toluene-d8	10.179	98	339586	45.205	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.400%
62) 4-Bromofluorobenzene	12.477	95	106305	39.836	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	143	Below Cal	#	89
16) Acetone	3.942	43	4535	6.106	ug/l	91
20) Methylene Chloride	4.704	84	14722	2.827	ug/l	87
31) Cyclohexane	7.783	56	3844	1.165	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	13737	4.385	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18055	4.994	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.709	63	45	28.653	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	59653	36.434	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59653	78.757	ug/l #	11

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

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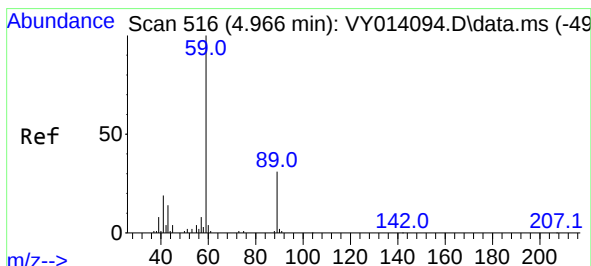
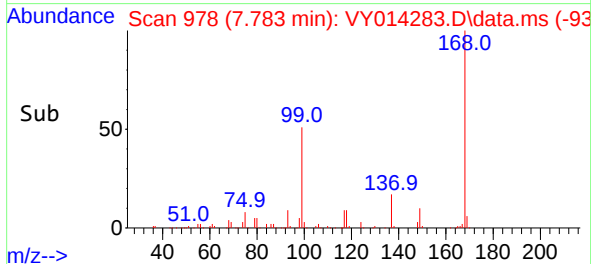
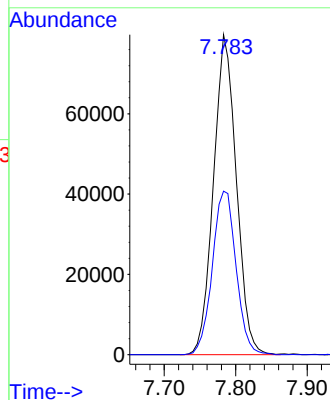
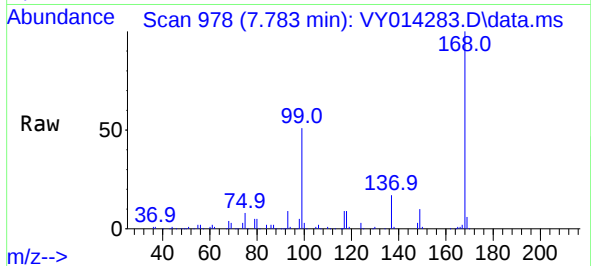




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

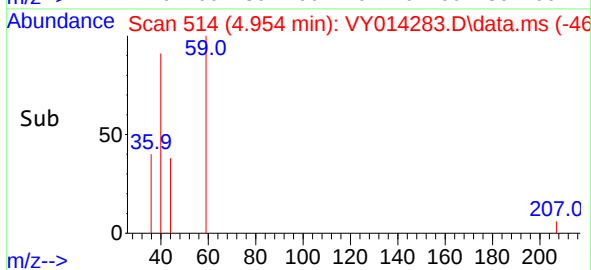
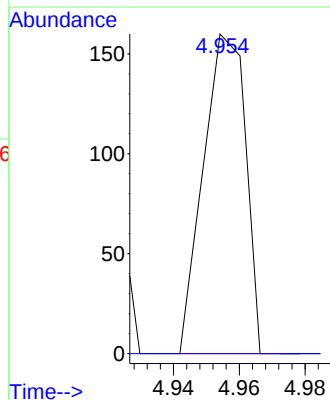
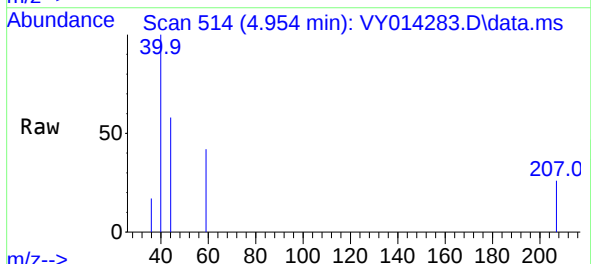
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

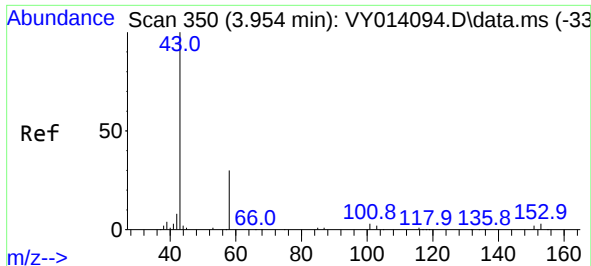
Tgt Ion:168 Resp: 176933
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

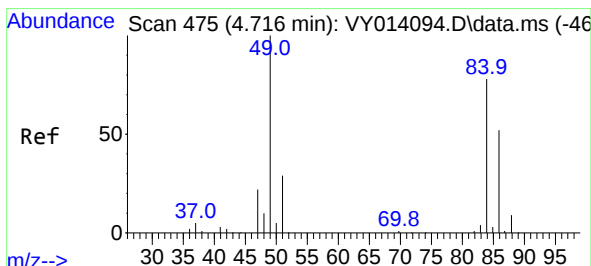
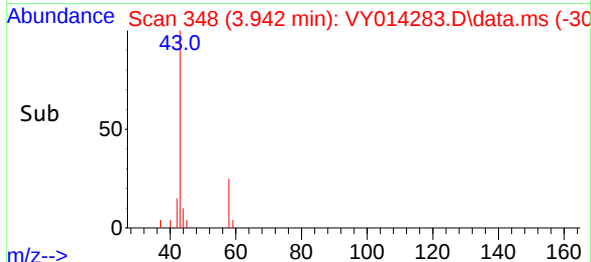
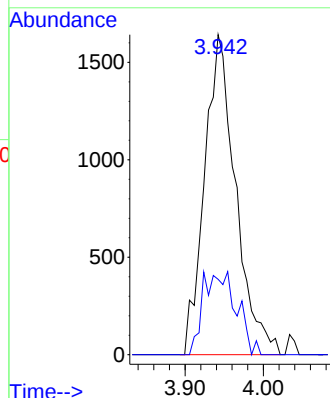
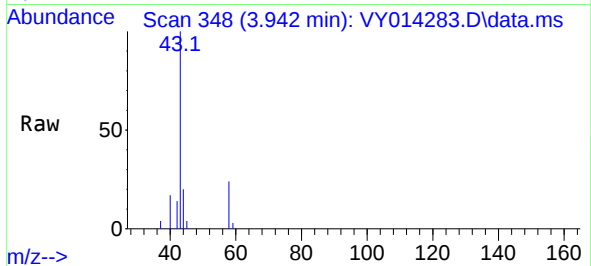




#16
Acetone
Concen: 6.106 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

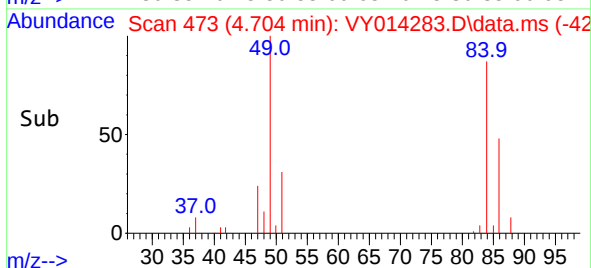
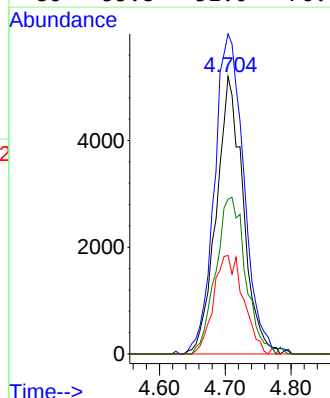
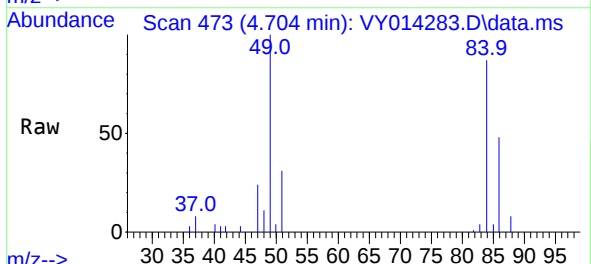
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

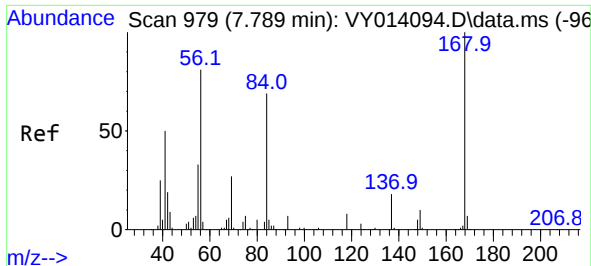
Tgt Ion: 43 Resp: 4535
Ion Ratio Lower Upper
43 100
58 23.6 22.7 34.1



#20
Methylene Chloride
Concen: 2.827 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

Tgt Ion: 84 Resp: 14722
Ion Ratio Lower Upper
84 100
49 115.3 106.9 160.3
51 35.5 33.2 49.8
86 55.8 51.0 76.6

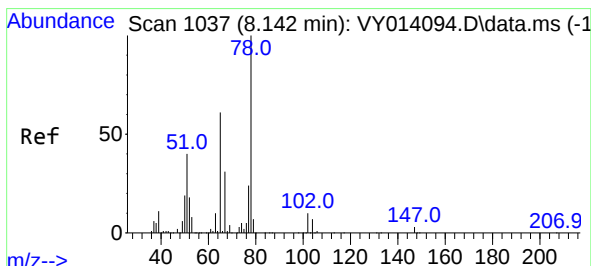
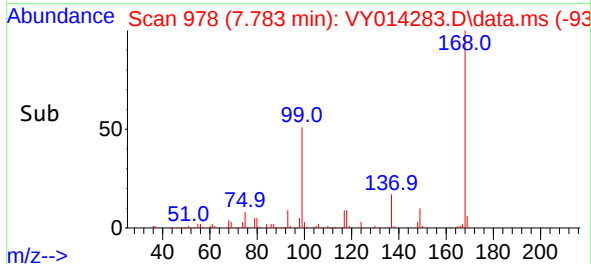
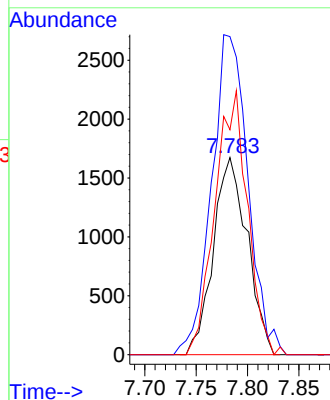
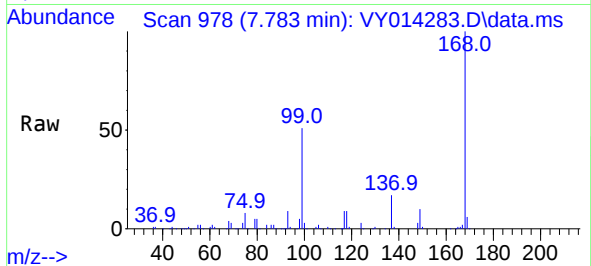




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

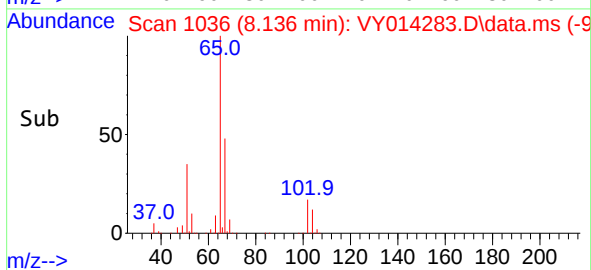
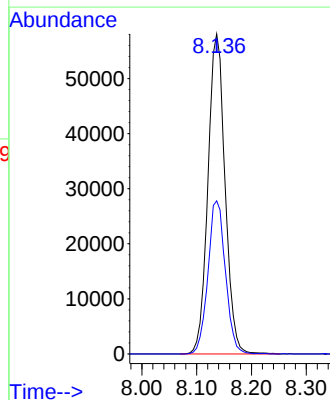
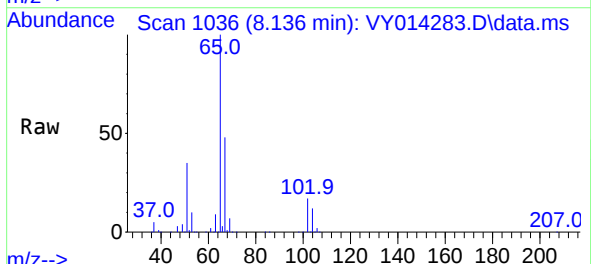
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

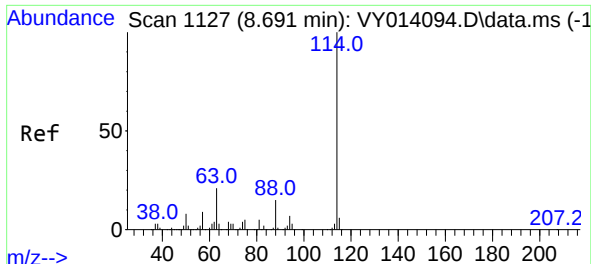
Tgt Ion: 56 Resp: 3844
Ion Ratio Lower Upper
56 100
69 157.3 27.8 41.6#
84 114.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.929 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

Tgt Ion: 65 Resp: 125481
Ion Ratio Lower Upper
65 100
67 48.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014283.D

Acq: 20 Jun 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

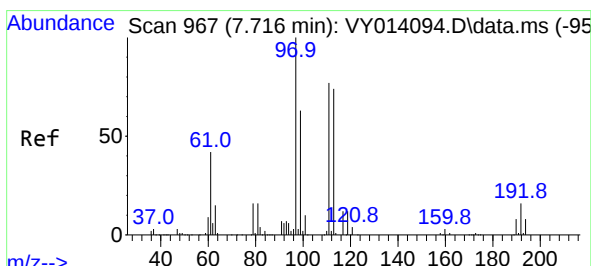
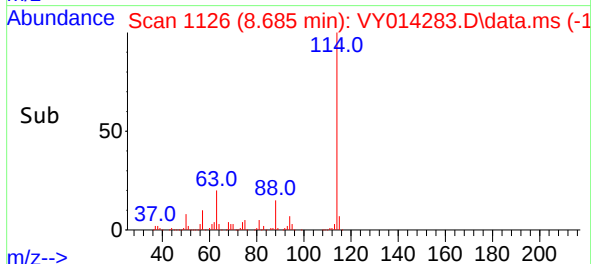
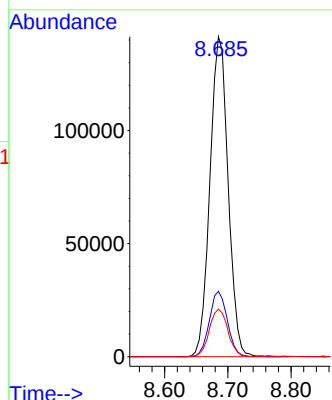
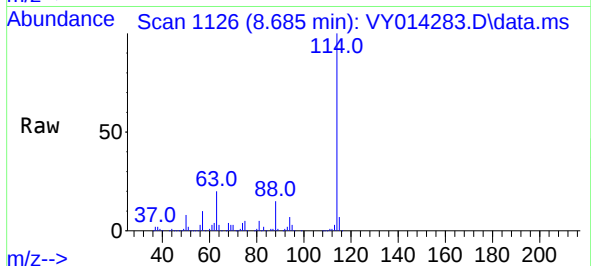
Tgt Ion:114 Resp: 283337

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.255 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014283.D

Acq: 20 Jun 2023 15:09

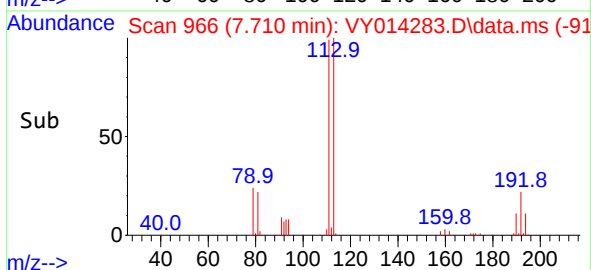
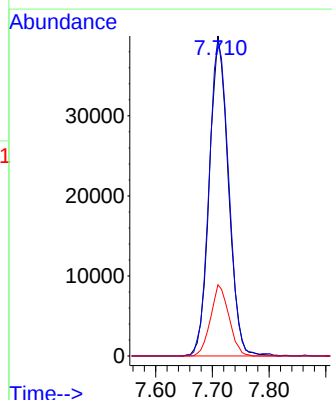
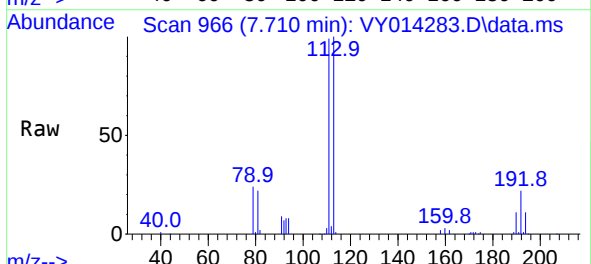
Tgt Ion:113 Resp: 92944

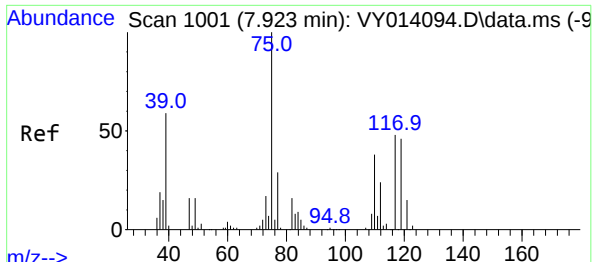
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 21.5 16.9 25.3

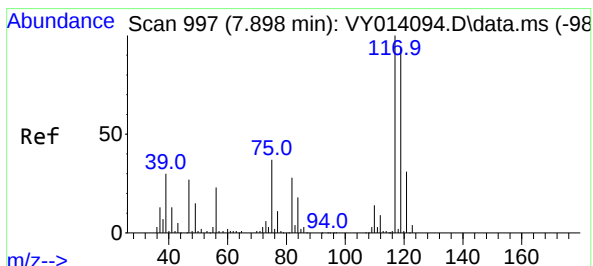
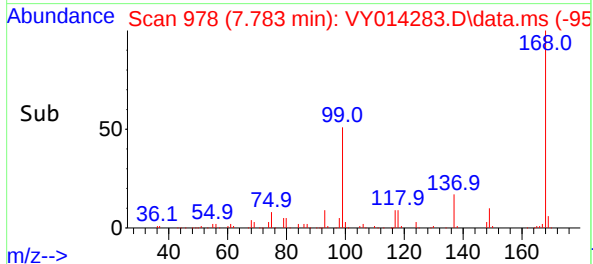
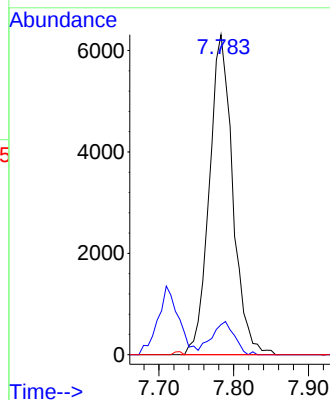
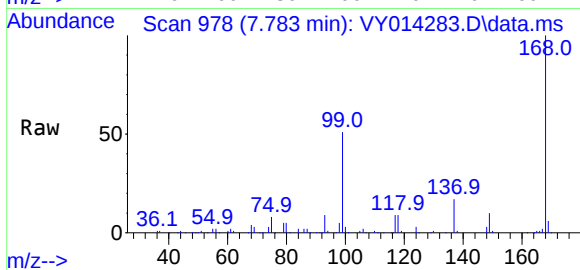




#36
1,1-Dichloropropene
Concen: 4.385 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

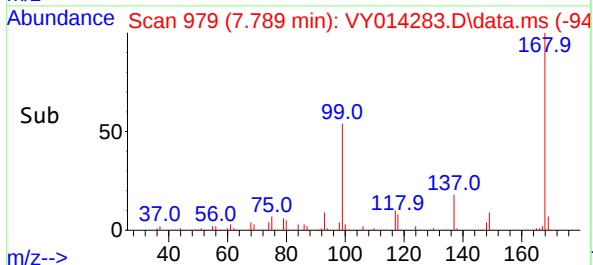
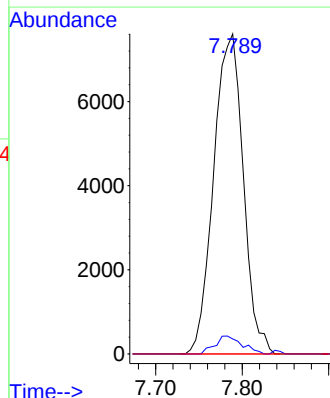
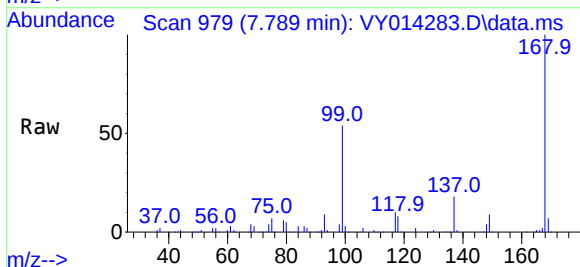
Instrument :
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ClientSampleId :
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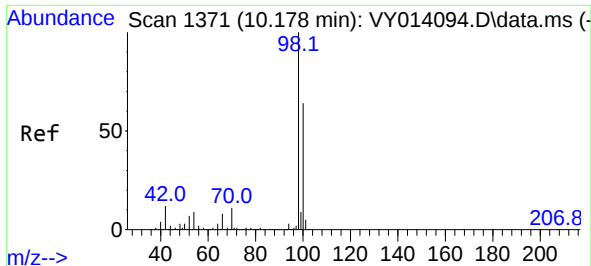
Tgt Ion: 75 Resp: 13737
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

Tgt Ion: 117 Resp: 18055
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#

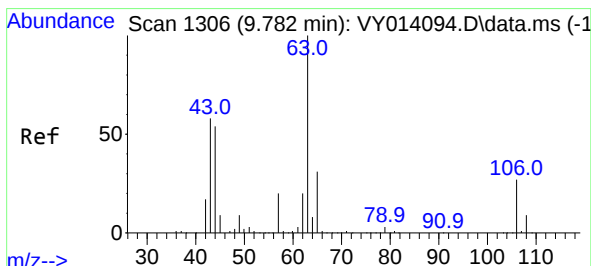
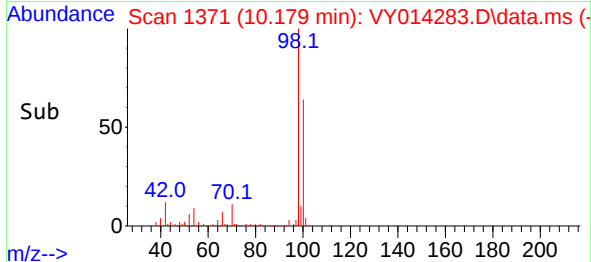
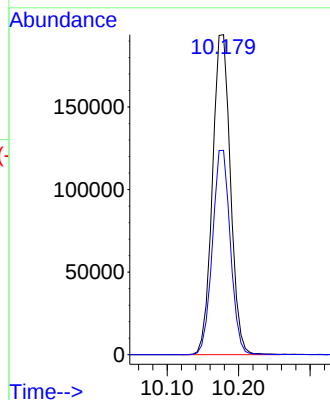
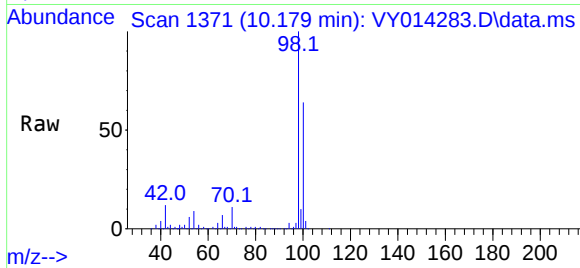




#50
Toluene-d8
Concen: 45.205 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

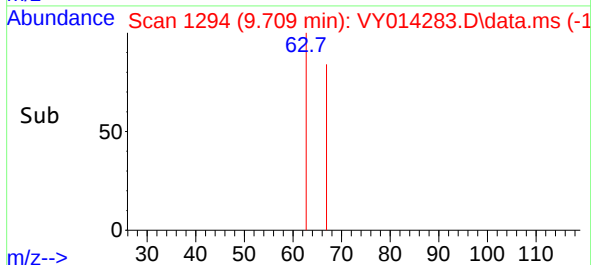
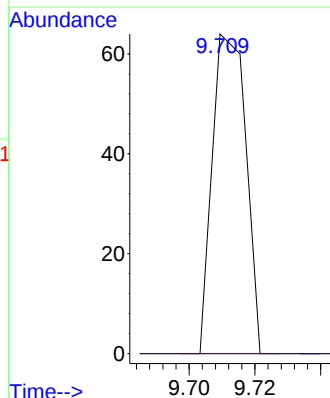
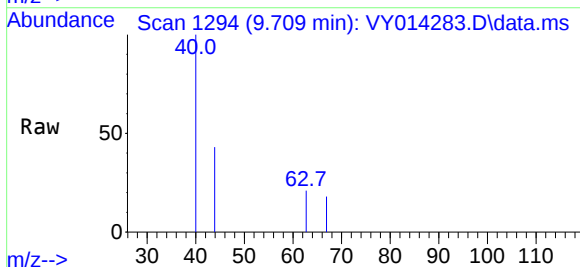
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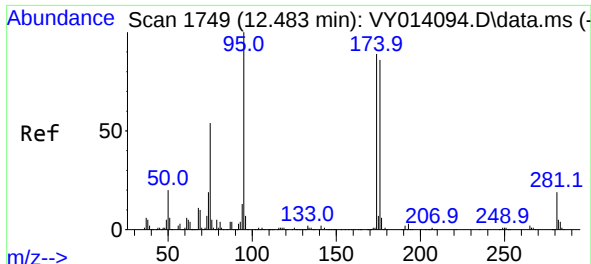
Tgt Ion: 98 Resp: 339586
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.653 ug/l
RT: 9.709 min Scan# 1294
Delta R.T. -0.073 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

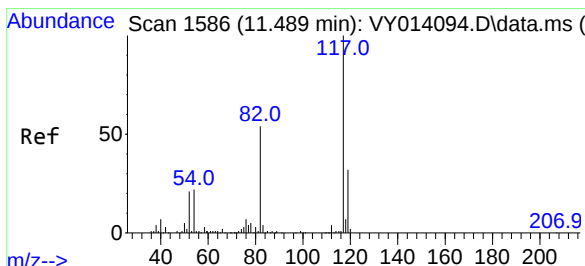
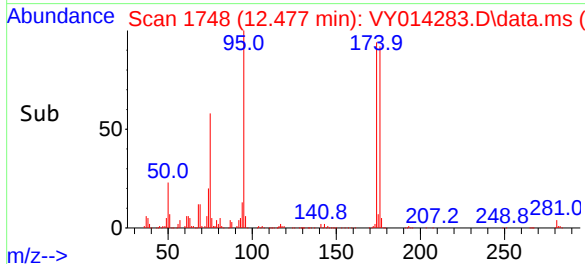
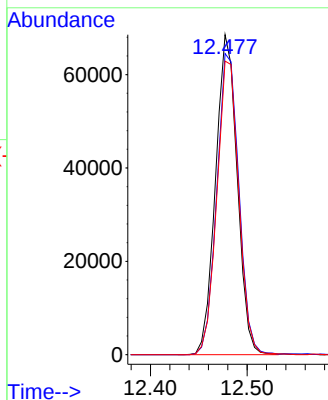
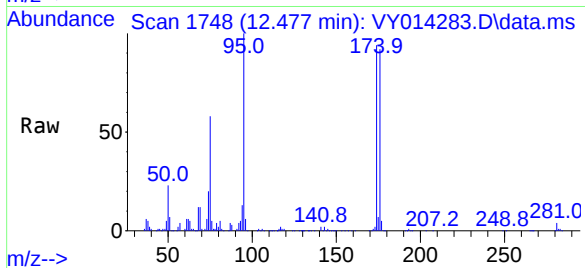




#62
4-Bromofluorobenzene
Concen: 39.836 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

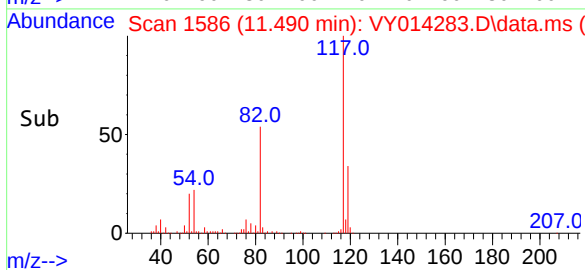
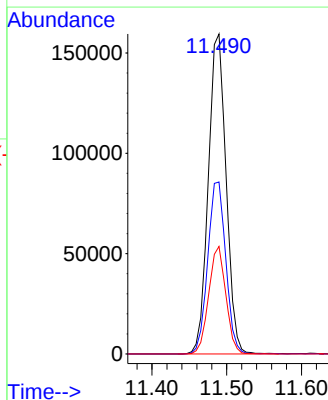
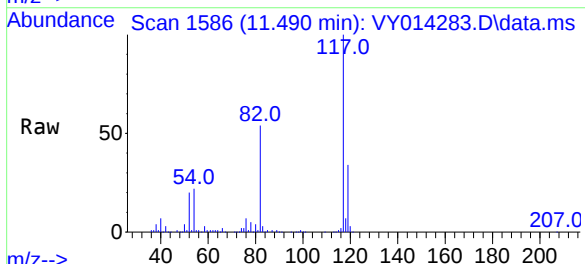
Instrument :
MSVOA_Y
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SB-3

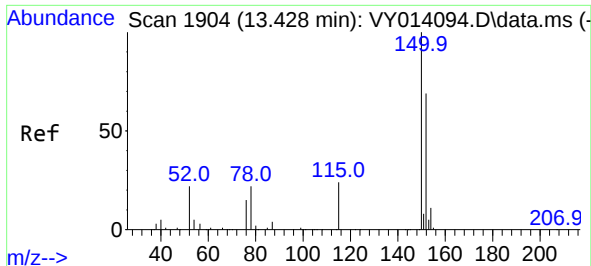
Tgt Ion: 95 Resp: 106305
Ion Ratio Lower Upper
95 100
174 96.3 0.0 178.2
176 93.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

Tgt Ion: 117 Resp: 263899
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 33.6 26.3 39.5

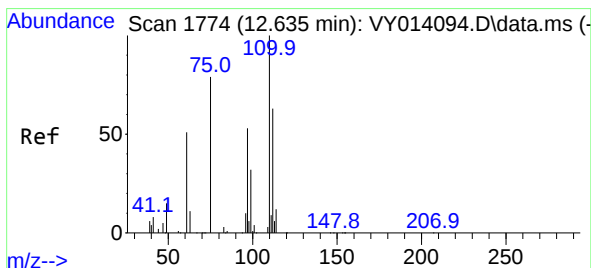
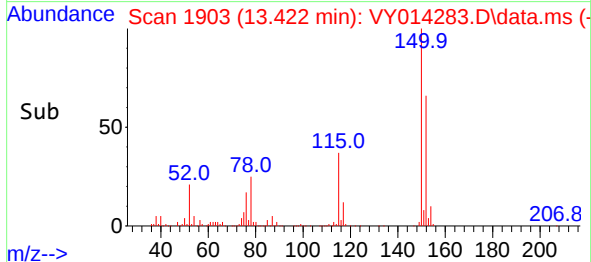
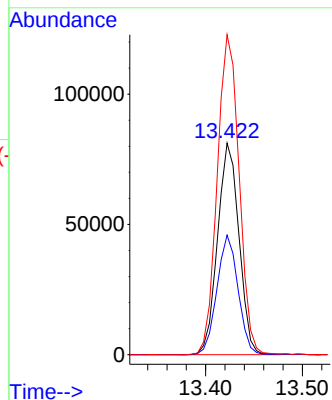
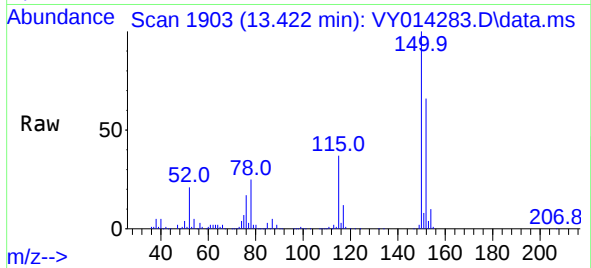




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

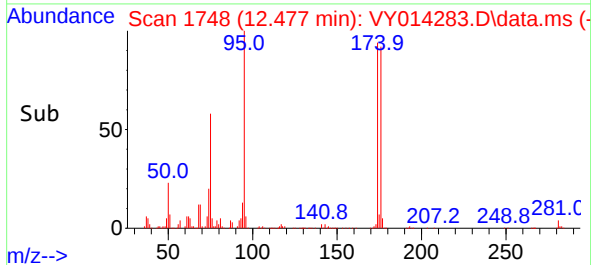
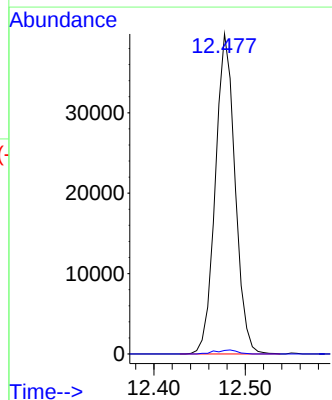
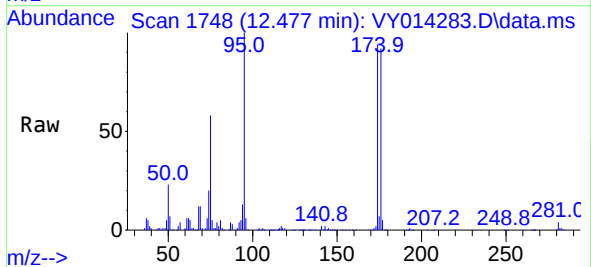
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

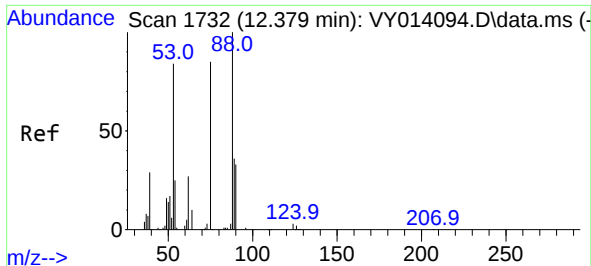
Tgt Ion:152 Resp: 124795
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 154.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.434 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014283.D
Acq: 20 Jun 2023 15:09

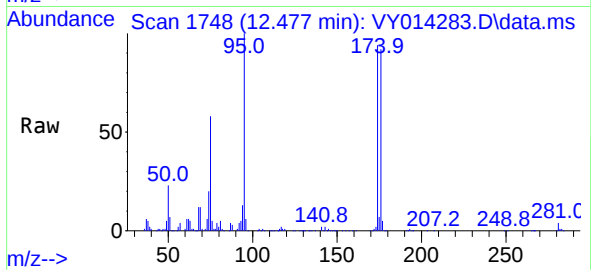
Tgt Ion: 75 Resp: 59653
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.757 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014283.D
 Acq: 20 Jun 2023 15:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3



Tgt Ion: 75 Resp: 59653
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

