

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010283.D
 Acq On : 02 Sep 2022 16:54
 Operator : KP/MD
 Sample : N4433-05
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-4

Quant Time: Sep 02 17:29:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

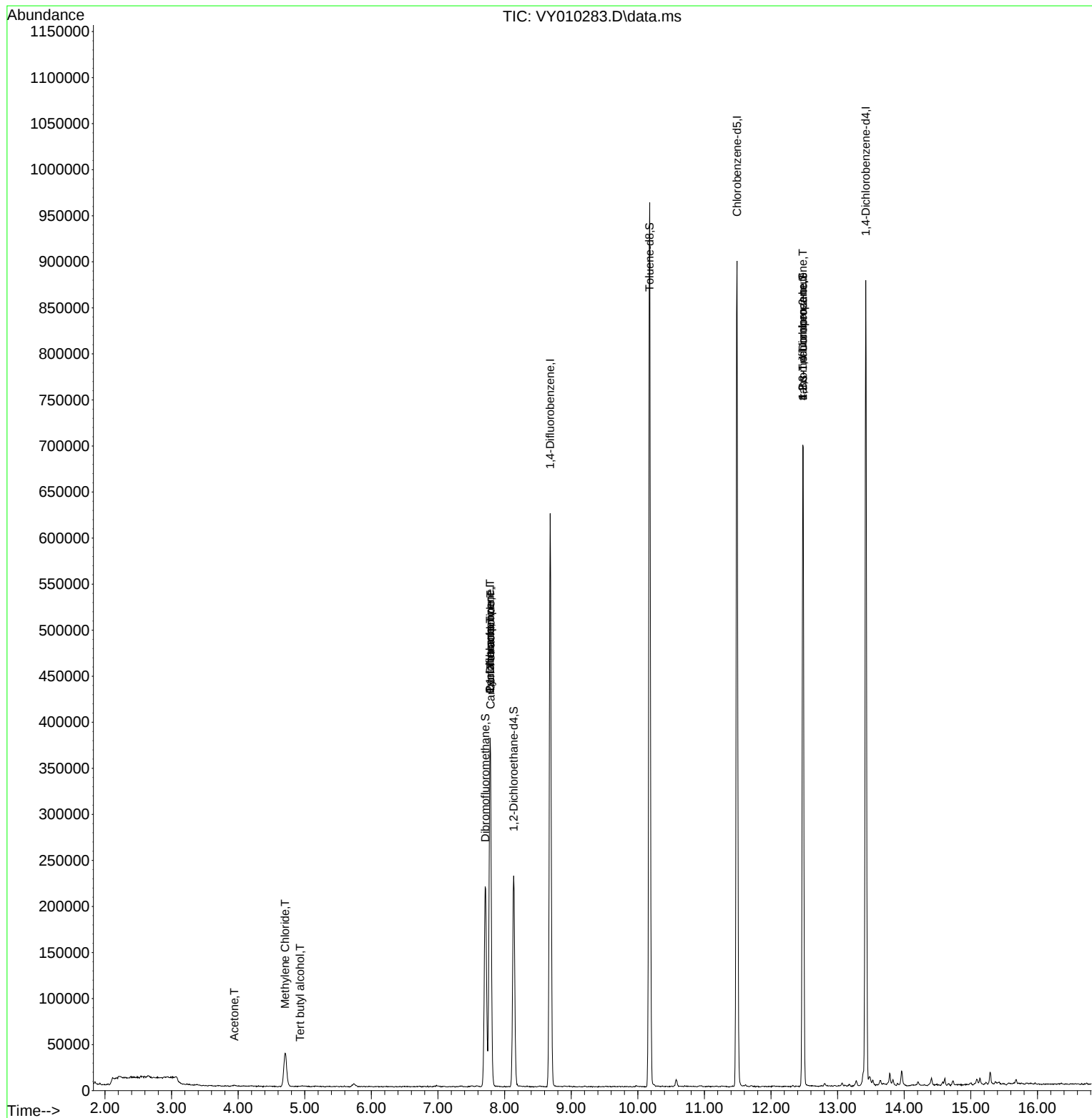
Internal Standards						
1) Pentafluorobenzene	7.783	168	305403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	527083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	491943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	222890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	177810	56.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.560%
35) Dibromofluoromethane	7.709	113	158136	45.067	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.140%
50) Toluene-d8	10.178	98	631346	53.742	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.480%
62) 4-Bromofluorobenzene	12.477	95	224692	47.434	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.655	94	779	Below Cal		87
11) Tert butyl alcohol	4.929	59	398	1.062 ug/l	#	69
16) Acetone	3.942	43	1651	2.109 ug/l	#	87
20) Methylene Chloride	4.704	84	27766	7.350 ug/l	#	82
31) Cyclohexane	7.783	56	6213	1.017 ug/l	#	1
36) 1,1-Dichloropropene	7.783	75	23442	4.553 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	29661	5.590 ug/l	#	15
76) 1,2,3-Trichloropropane	12.477	75	114977	43.347 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	114977	90.427 ug/l	#	7

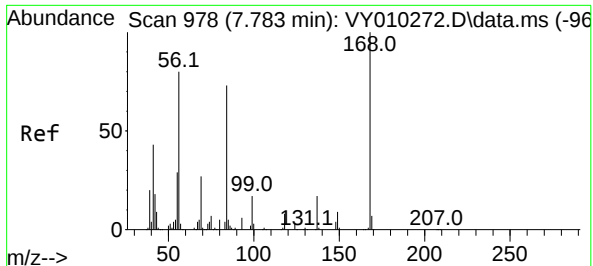
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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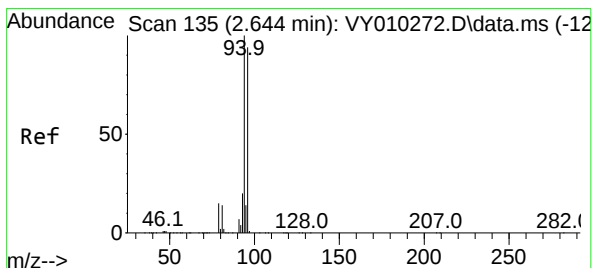
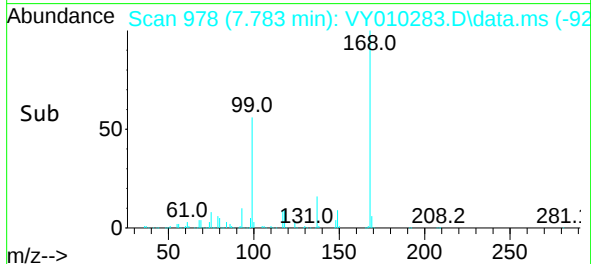
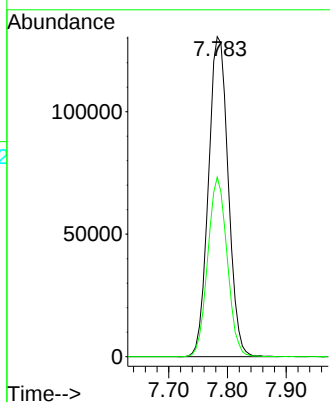
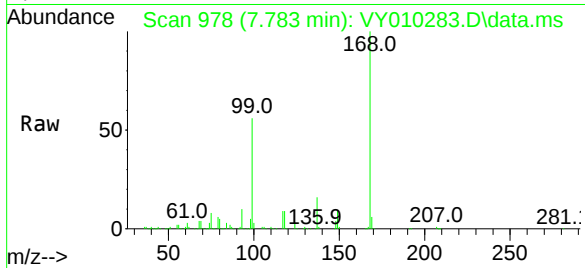




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

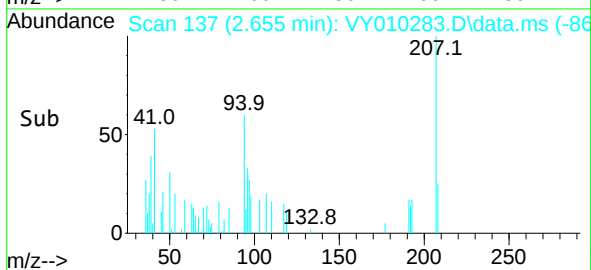
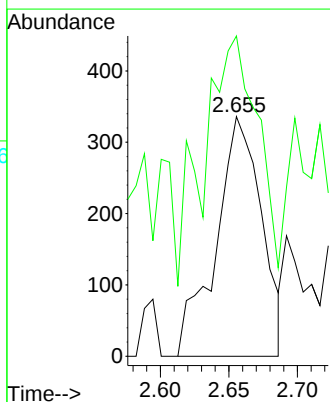
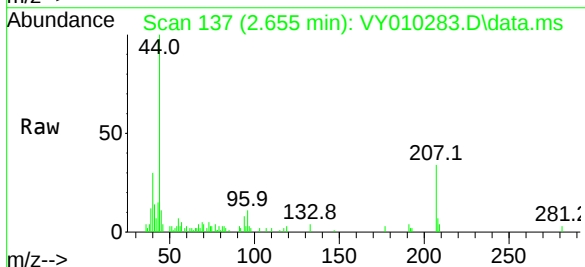
Instrument :
MSVOA_Y
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EP-4

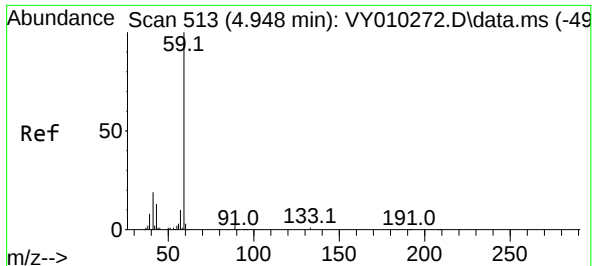
Tgt Ion:168 Resp: 305403
Ion Ratio Lower Upper
168 100
99 56.1 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 137
Delta R.T. 0.011 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

Tgt Ion: 94 Resp: 779
Ion Ratio Lower Upper
94 100
96 104.5 73.5 110.3





#11

Tert butyl alcohol

Concen: 1.062 ug/l

RT: 4.929 min Scan# 513

Delta R.T. -0.019 min

Lab File: VY010283.D

Acq: 02 Sep 2022 16:54

Instrument :

MSVOA_Y

ClientSampleId :

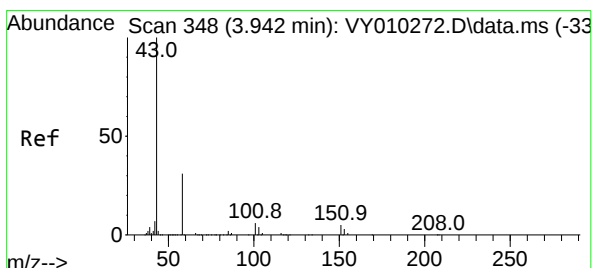
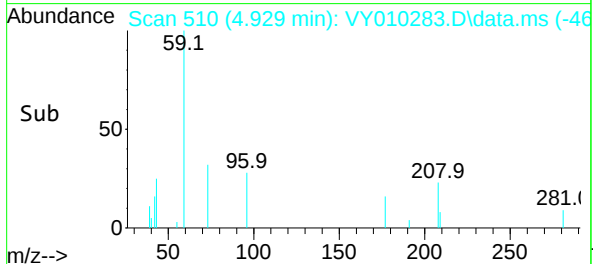
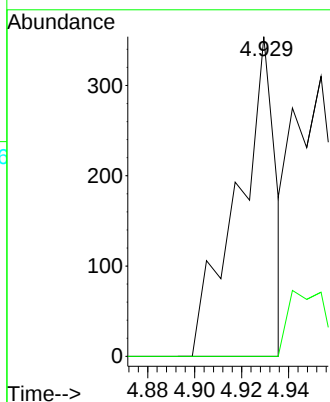
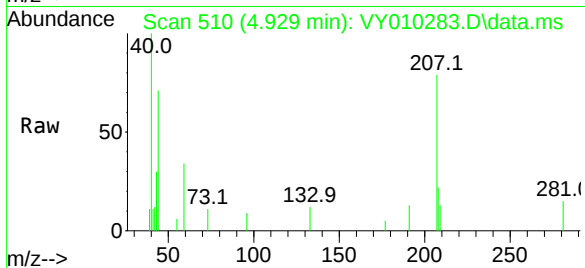
EP-4

Tgt Ion: 59 Resp: 398

Ion Ratio Lower Upper

59 100

57 19.1 6.4 9.6#



#16

Acetone

Concen: 2.109 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY010283.D

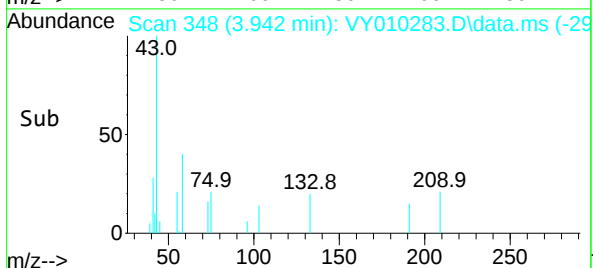
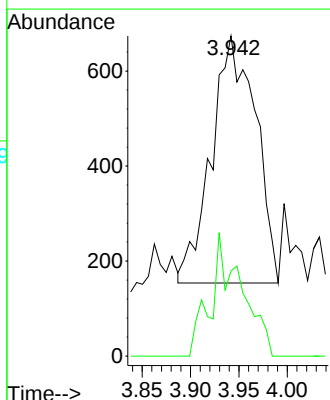
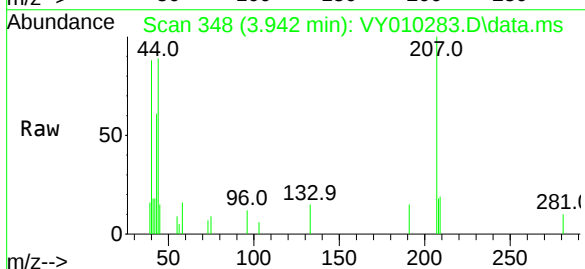
Acq: 02 Sep 2022 16:54

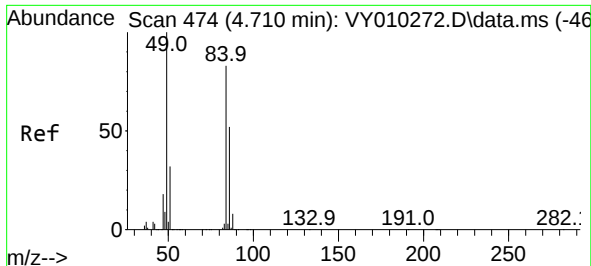
Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

43 100

58 34.4 22.0 33.0#

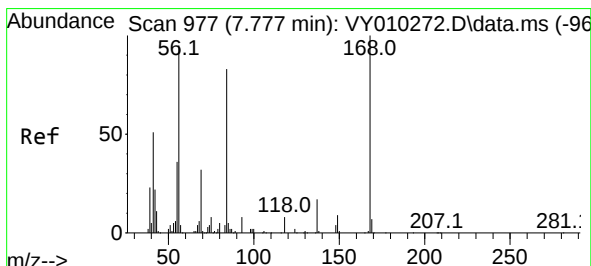
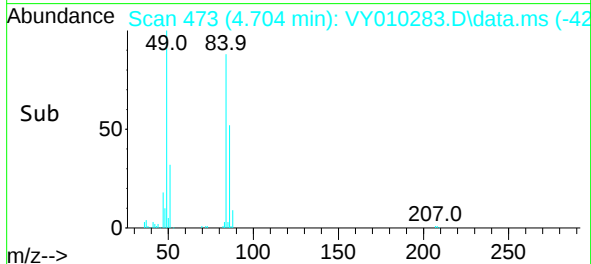
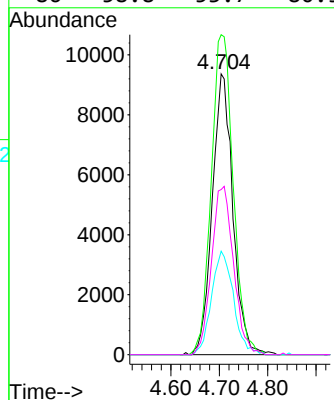
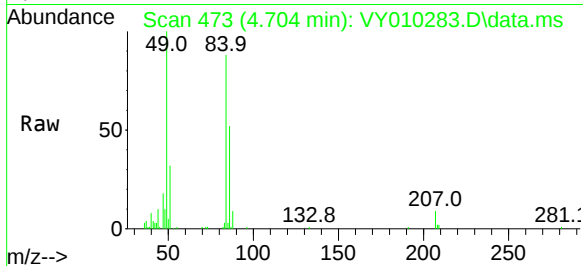




#20
Methylene Chloride
Concen: 7.350 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

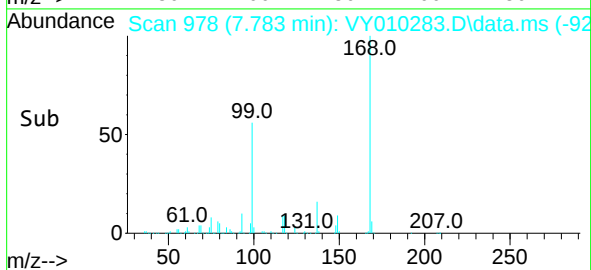
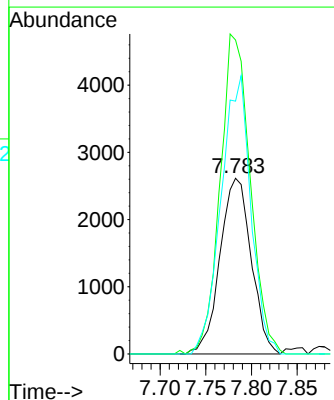
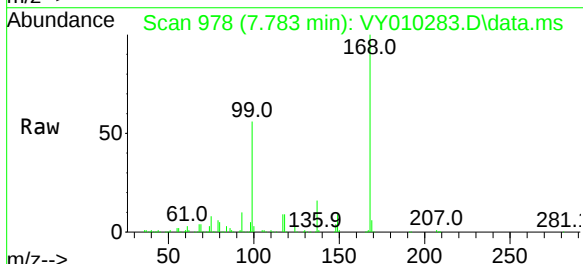
Instrument :
MSVOA_Y
ClientSampleId :
EP-4

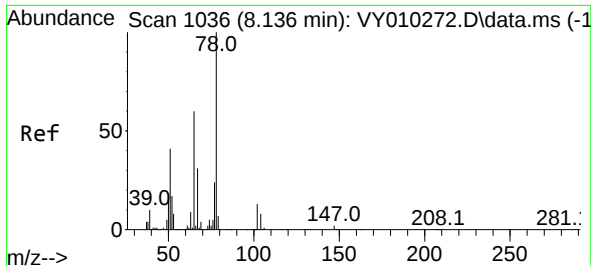
Tgt Ion:	84	Resp:	27766
Ion	Ratio	Lower	Upper
84	100		
49	113.9	114.4	171.6#
51	36.9	35.3	52.9
86	58.8	53.7	80.5



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

Tgt Ion:	56	Resp:	6213
Ion	Ratio	Lower	Upper
56	100		
69	176.7	26.7	40.1#
84	143.9	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.780 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010283.D

Acq: 02 Sep 2022 16:54

Instrument :

MSVOA_Y

ClientSampleId :

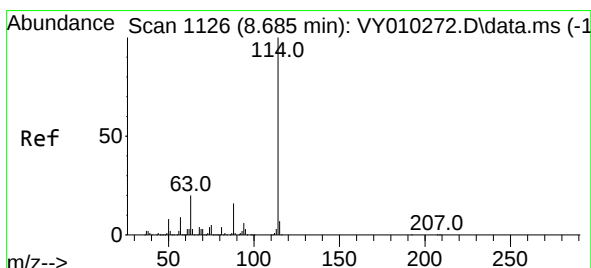
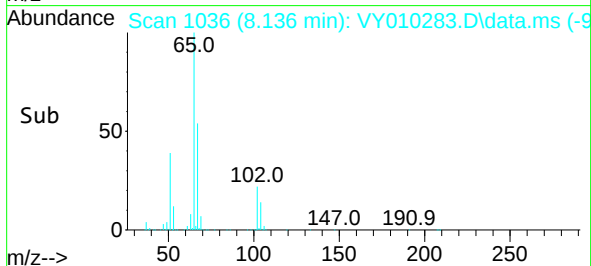
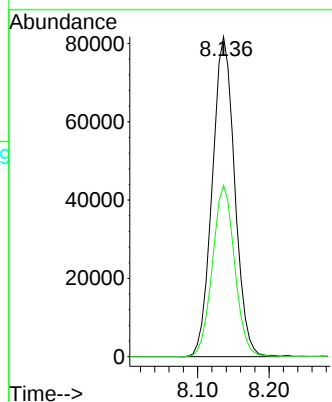
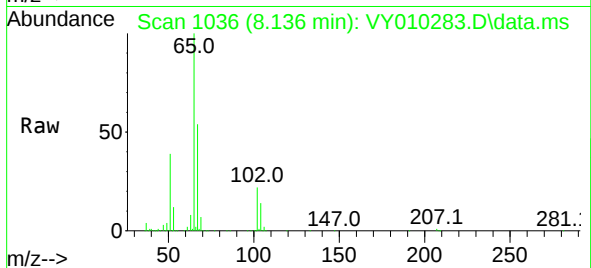
EP-4

Tgt Ion: 65 Resp: 177810

Ion Ratio Lower Upper

65 100

67 53.1 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: VY010283.D

Acq: 02 Sep 2022 16:54

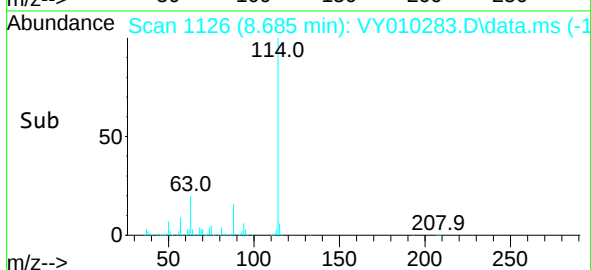
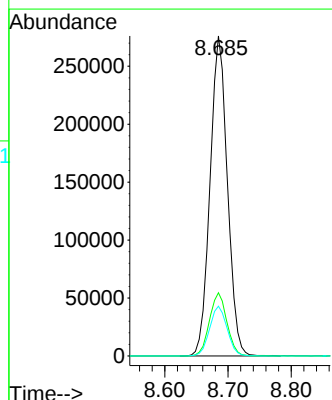
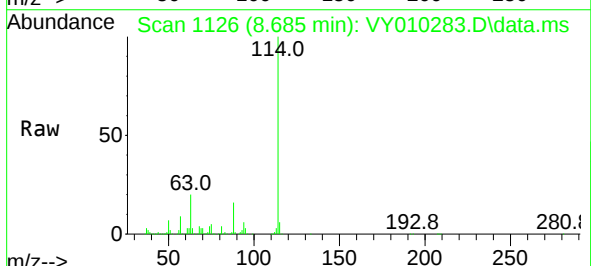
Tgt Ion: 114 Resp: 527083

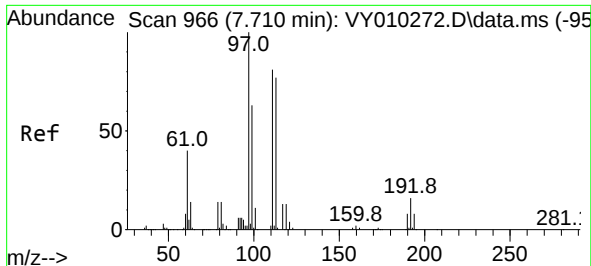
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.6 0.0 31.8

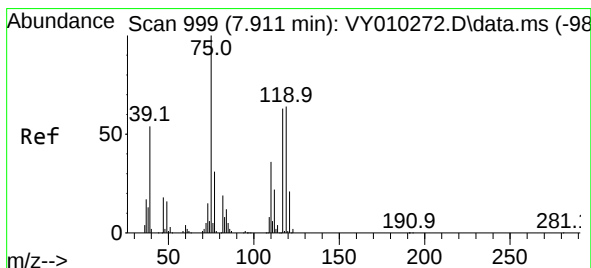
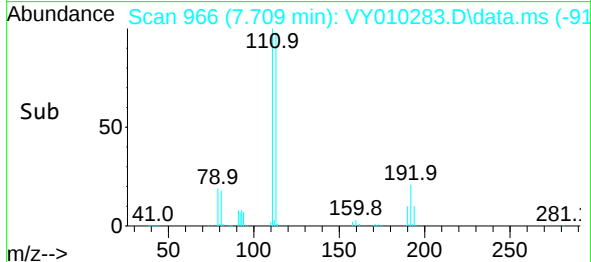
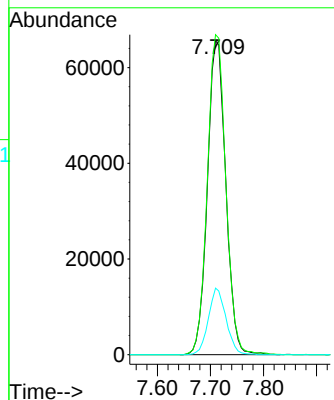
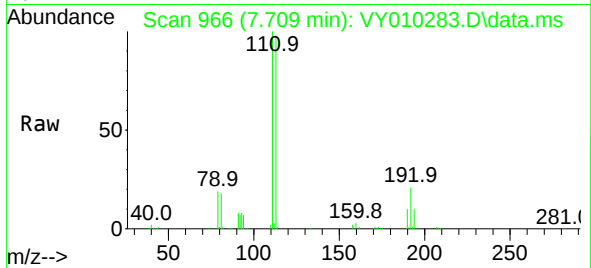




#35
Dibromofluoromethane
Concen: 45.067 ug/l
RT: 7.709 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

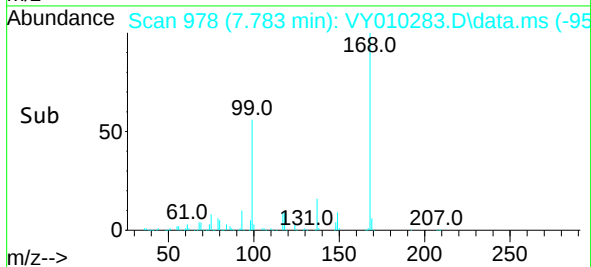
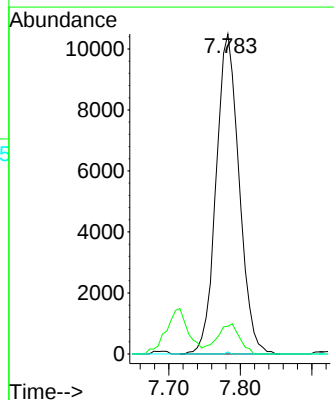
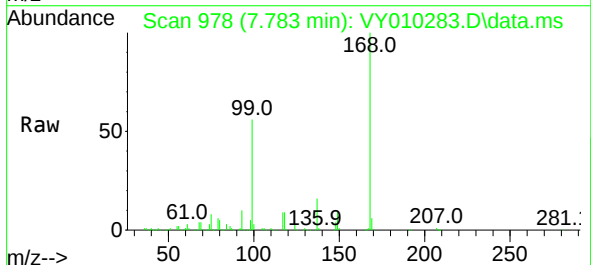
Instrument :
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EP-4

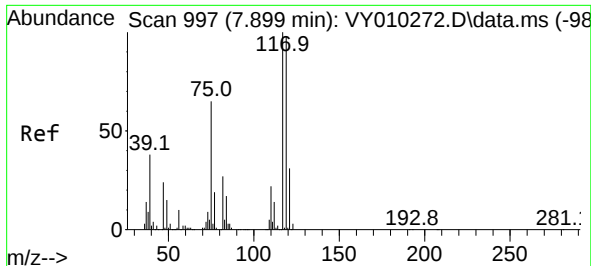
Tgt Ion:113 Resp: 158136
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

Tgt Ion: 75 Resp: 23442
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.1 24.4 36.6#

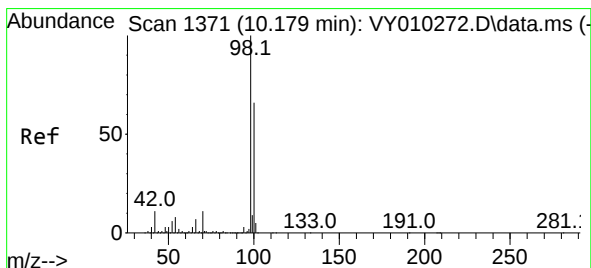
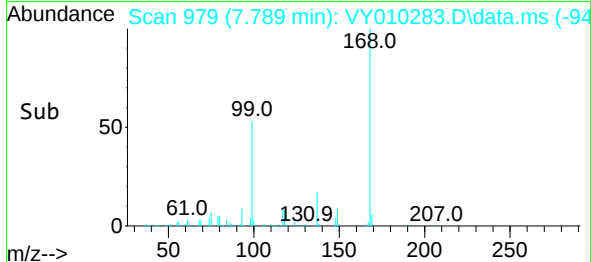
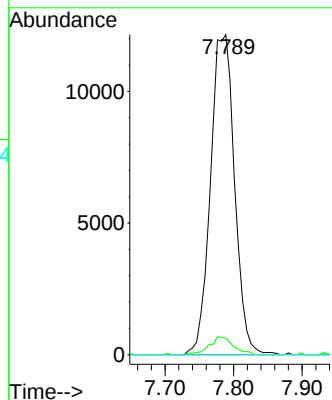
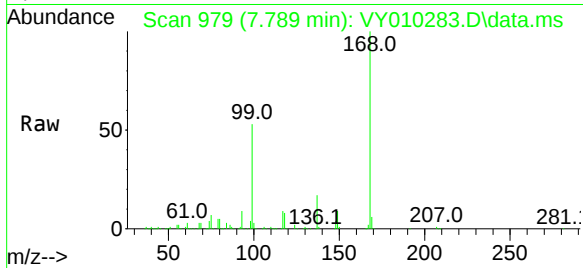




#38
Carbon Tetrachloride
Concen: 5.590 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

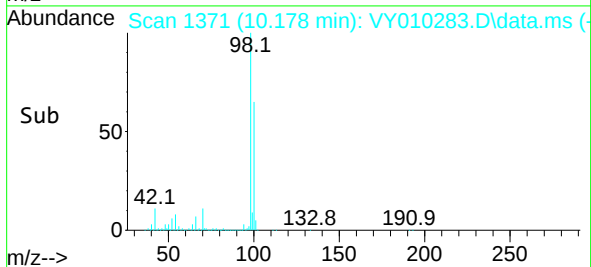
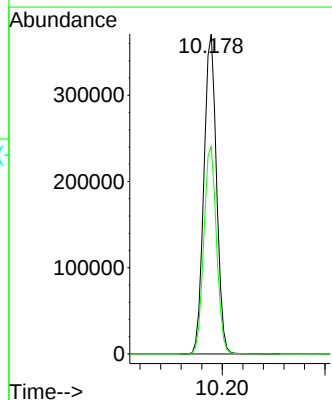
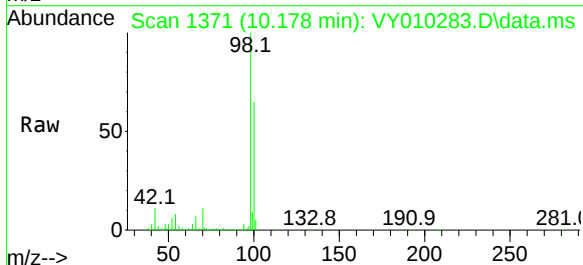
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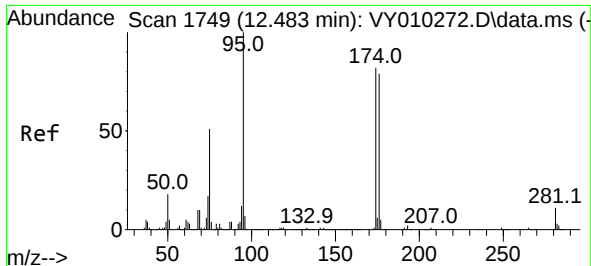
Tgt Ion:117 Resp: 29661
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.742 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

Tgt Ion: 98 Resp: 631346
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

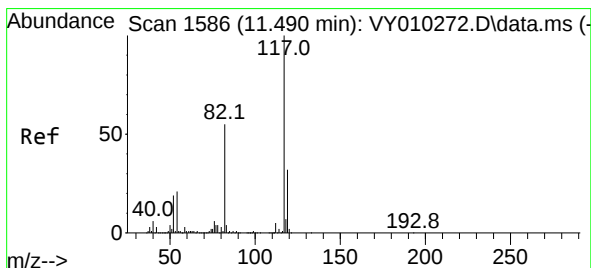
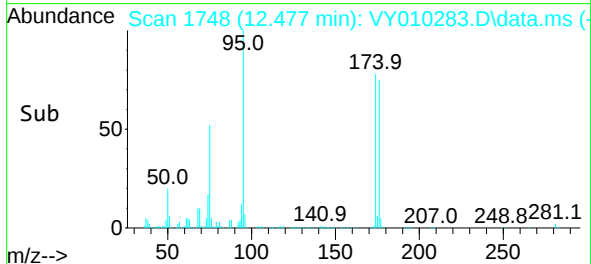
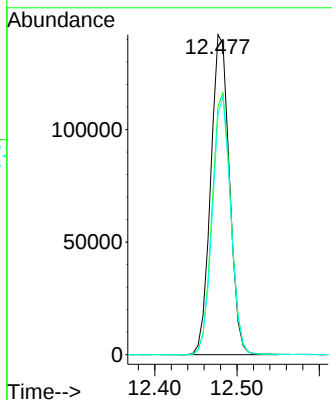
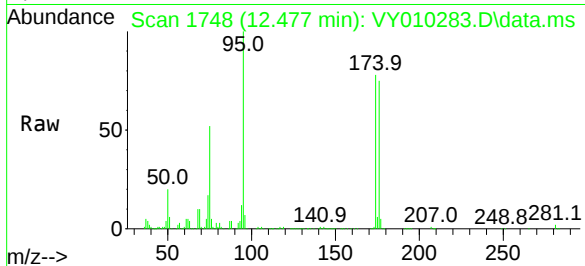




#62
4-Bromofluorobenzene
Concen: 47.434 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

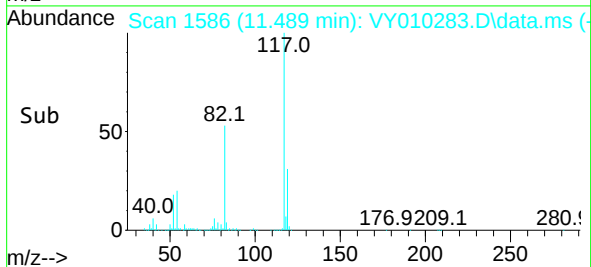
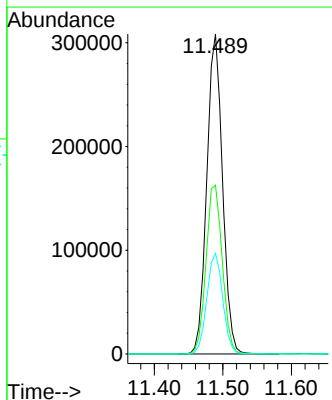
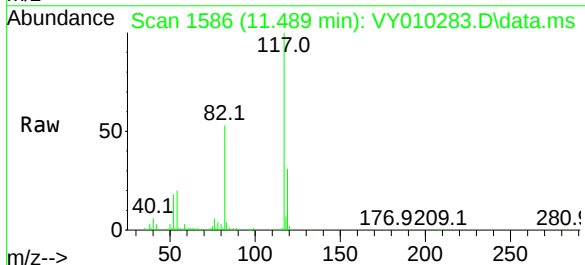
Instrument :
MSVOA_Y
ClientSampleId :
EP-4

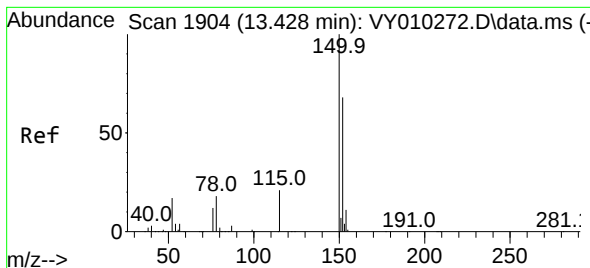
Tgt Ion: 95 Resp: 224692
Ion Ratio Lower Upper
95 100
174 82.1 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010283.D
Acq: 02 Sep 2022 16:54

Tgt Ion: 117 Resp: 491943
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY010283.D

Acq: 02 Sep 2022 16:54

Instrument :

MSVOA_Y

ClientSampleId :

EP-4

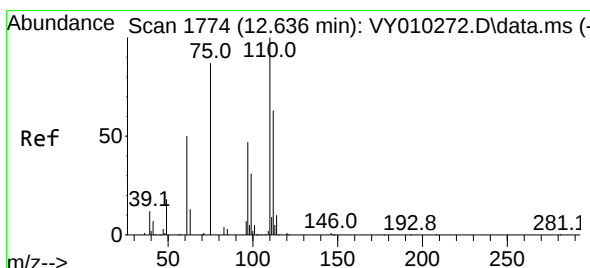
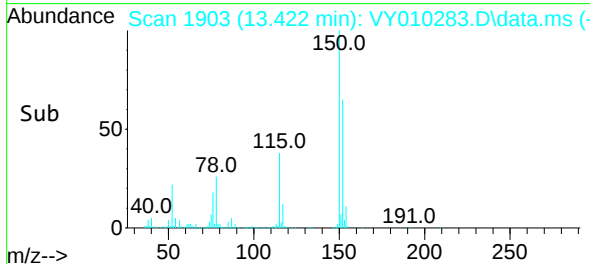
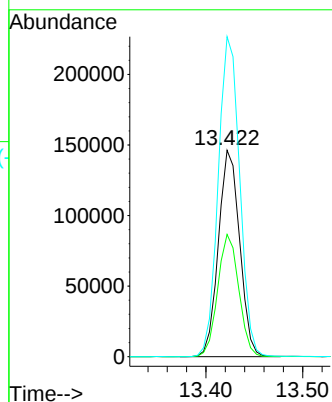
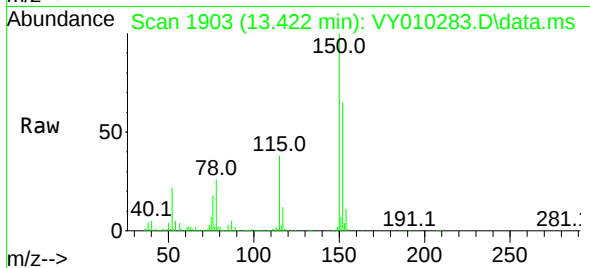
Tgt Ion:152 Resp: 222890

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 157.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 43.347 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY010283.D

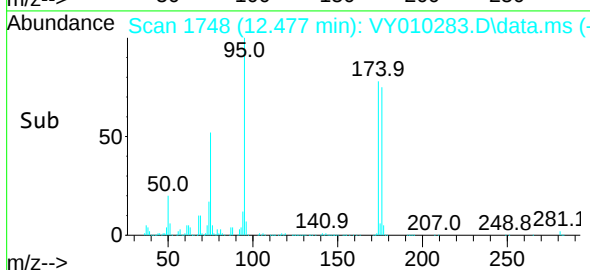
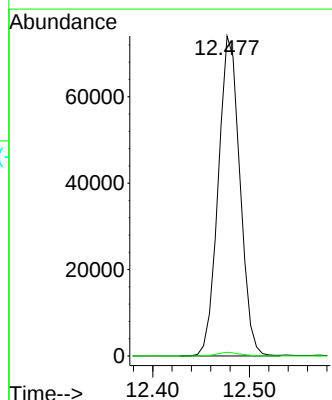
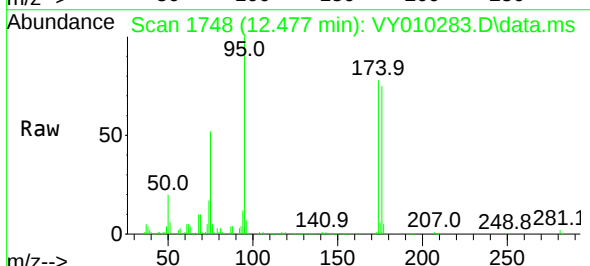
Acq: 02 Sep 2022 16:54

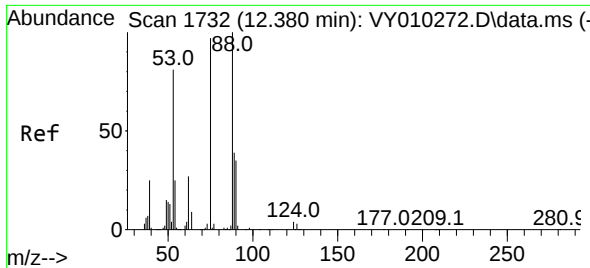
Tgt Ion: 75 Resp: 114977

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.427 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010283.D
 Acq: 02 Sep 2022 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-4

Tgt Ion: 75 Resp: 114977
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

