

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090722\
 Data File : VY010378.D
 Acq On : 07 Sep 2022 17:39
 Operator : KP/MD
 Sample : N4509-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_112D-20220902

Quant Time: Sep 08 04:13:42 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	7.789	168	227024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	379406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	360022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122735	52.724	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.440%
35) Dibromofluoromethane	7.716	113	116359	46.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.140%
50) Toluene-d8	10.179	98	450242	53.243	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.480%
62) 4-Bromofluorobenzene	12.483	95	156062	45.516	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.040%

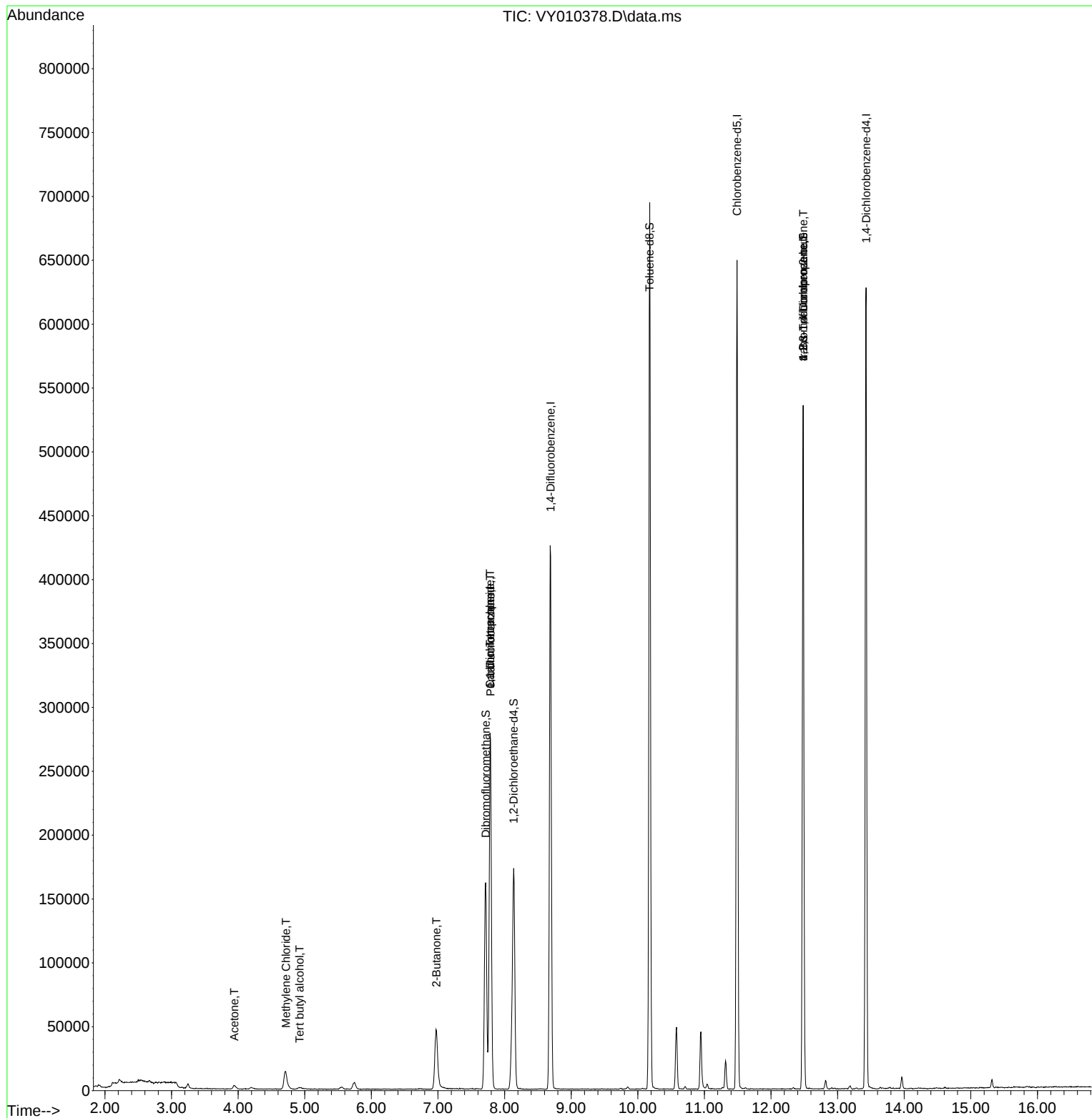
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	325	Below Cal	#	67
11) Tert butyl alcohol	4.924	59	1004	3.605	ug/l #	77
16) Acetone	3.942	43	5260	9.039	ug/l	97
20) Methylene Chloride	4.716	84	10730	3.821	ug/l #	80
25) 2-Butanone	6.978	43	2606	2.729	ug/l #	80
36) 1,1-Dichloropropene	7.783	75	16220	4.377	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21587	5.652	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	79794	39.805	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	79794	83.038	ug/l #	7

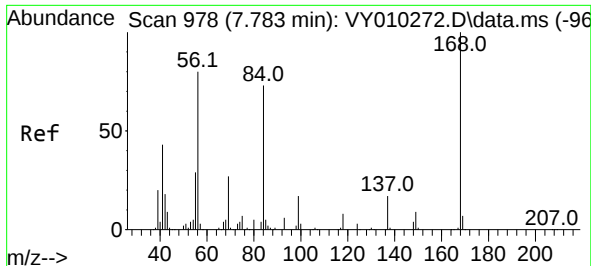
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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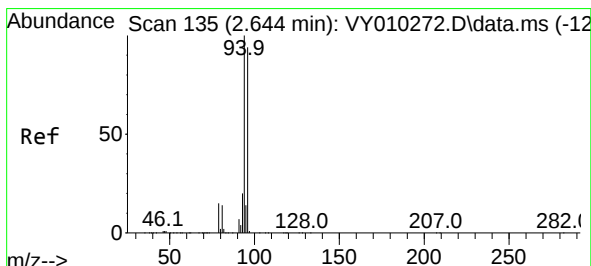
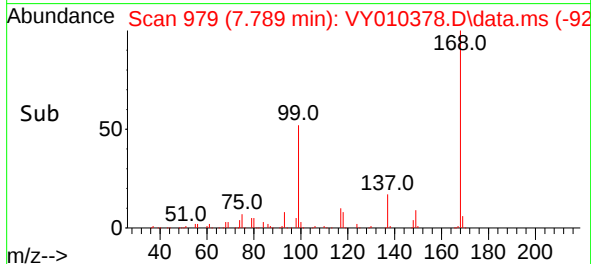
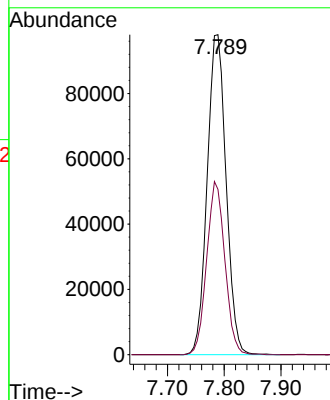
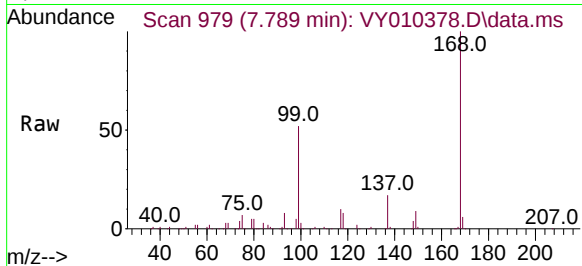




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

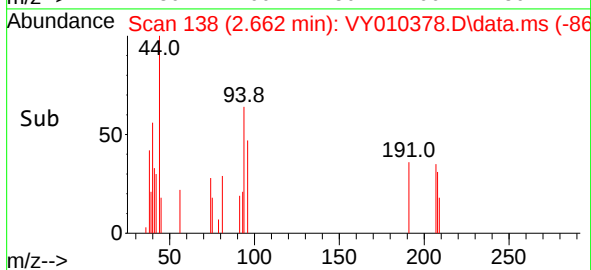
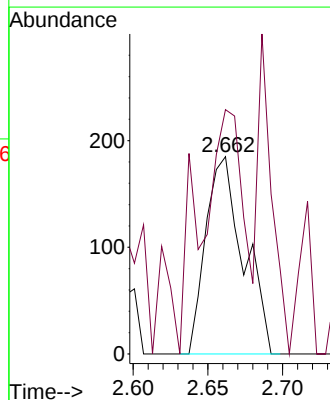
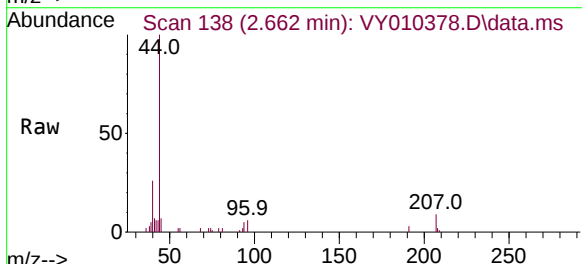
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_112D-20220902

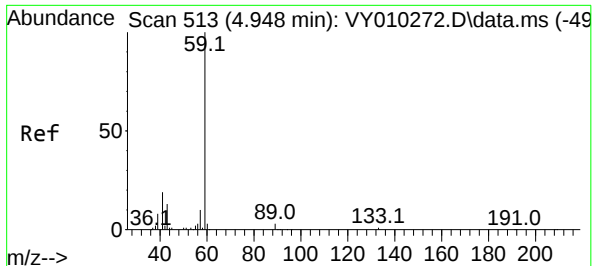
Tgt Ion:168 Resp: 227024
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 123.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: 3.605 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY010378.D

Acq: 07 Sep 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

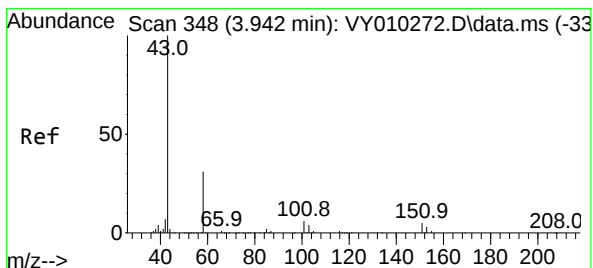
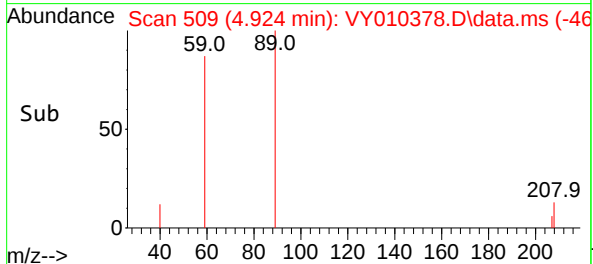
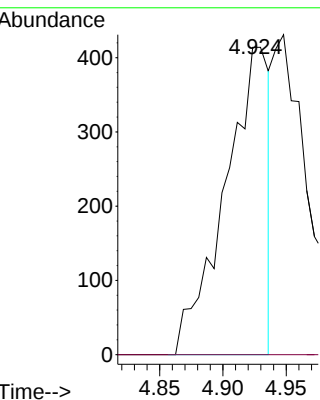
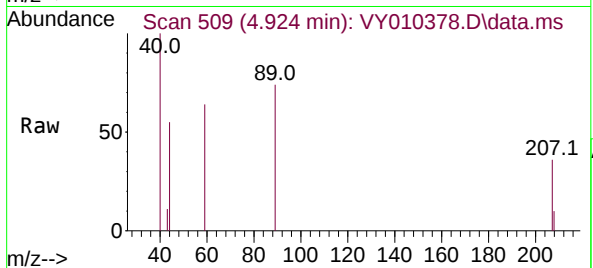
S1-SO_112D-20220902

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 9.039 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010378.D

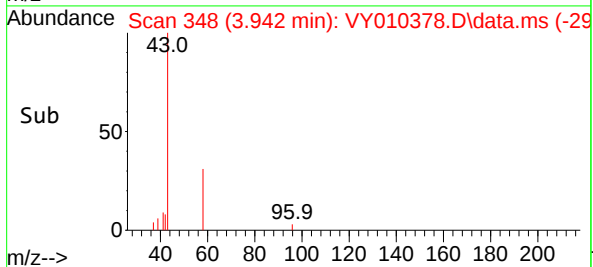
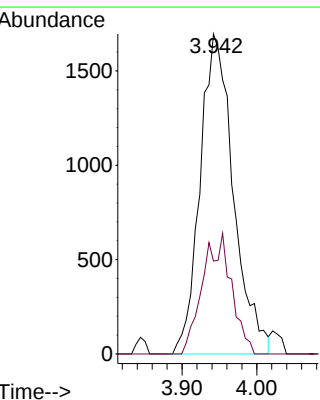
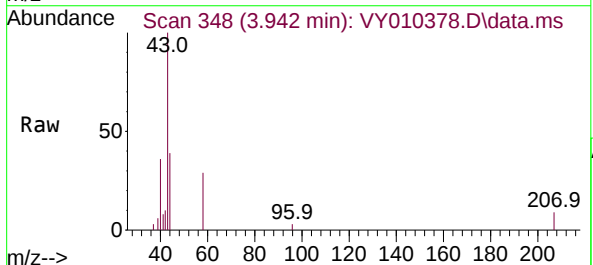
Acq: 07 Sep 2022 17:39

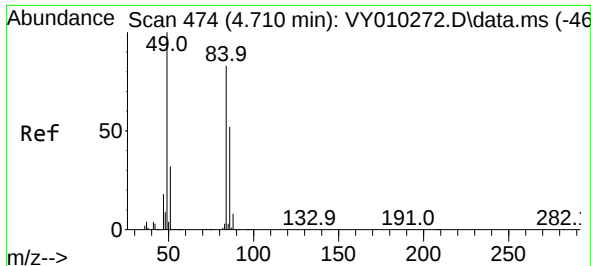
Tgt Ion: 43 Resp: 5260

Ion Ratio Lower Upper

43 100

58 29.1 22.0 33.0

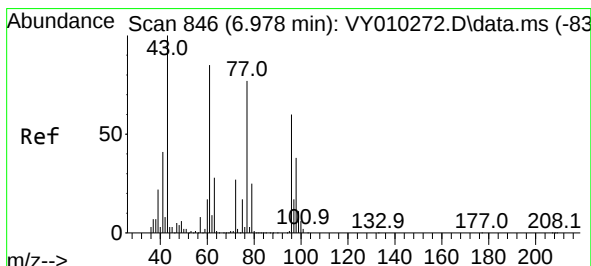
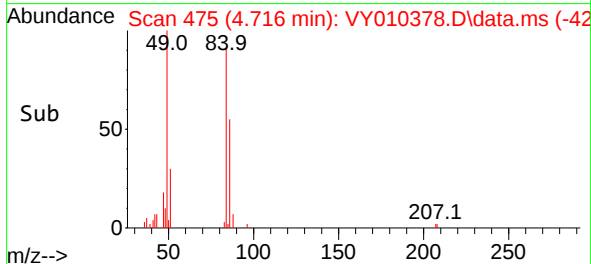
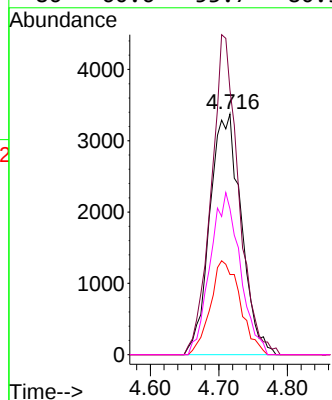
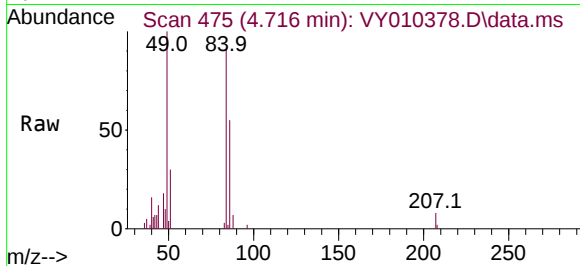




#20
Methylene Chloride
Concen: 3.821 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

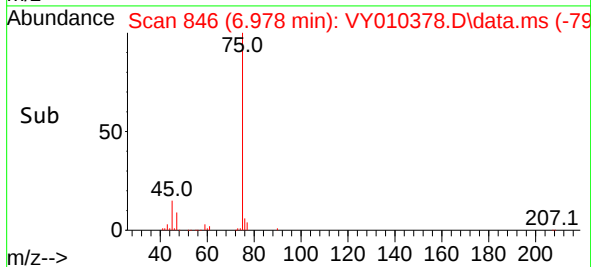
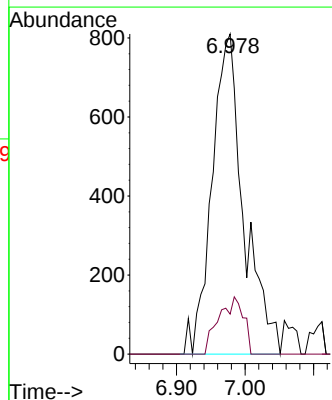
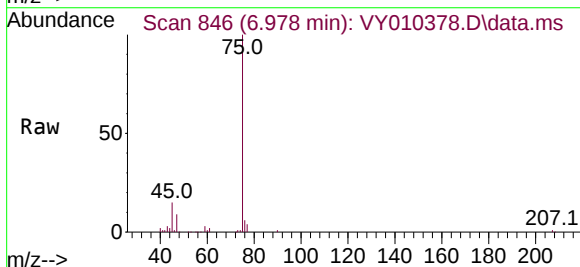
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_112D-20220902

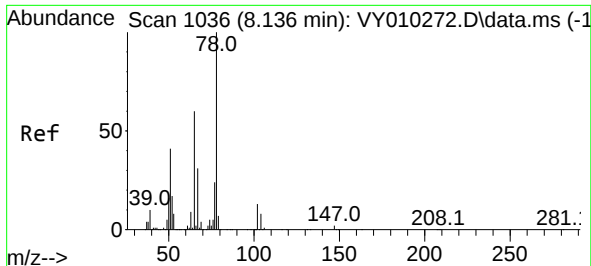
Tgt Ion:	84	Resp:	10730
Ion	Ratio	Lower	Upper
84	100		
49	110.0	114.4	171.6#
51	33.3	35.3	52.9#
86	60.6	53.7	80.5



#25
2-Butanone
Concen: 2.729 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

Tgt Ion:	43	Resp:	2606
Ion	Ratio	Lower	Upper
43	100		
72	12.5	17.7	26.5#





#33

1,2-Dichloroethane-d4

Concen: 52.724 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY010378.D

Acq: 07 Sep 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

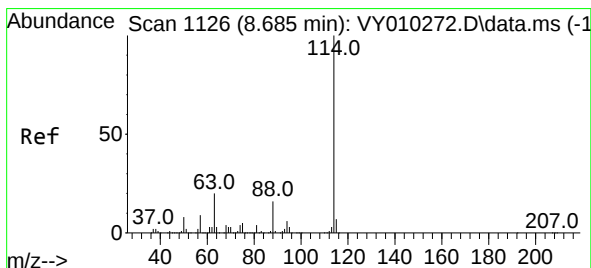
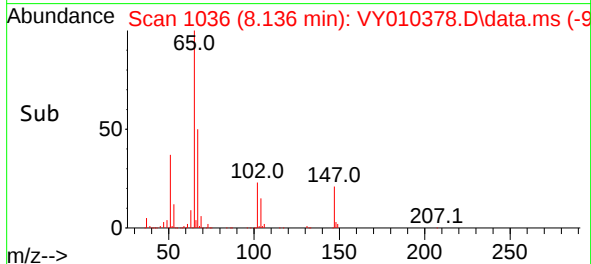
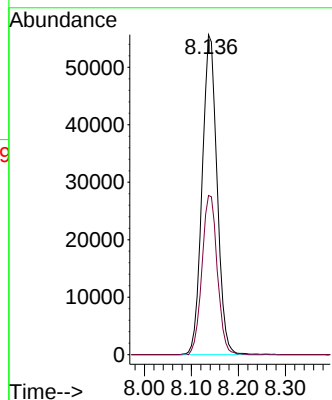
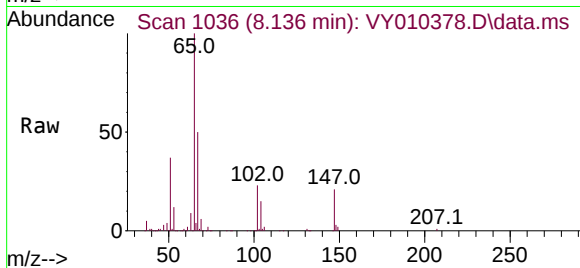
S1-SO_112D-20220902

Tgt Ion: 65 Resp: 122735

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010378.D

Acq: 07 Sep 2022 17:39

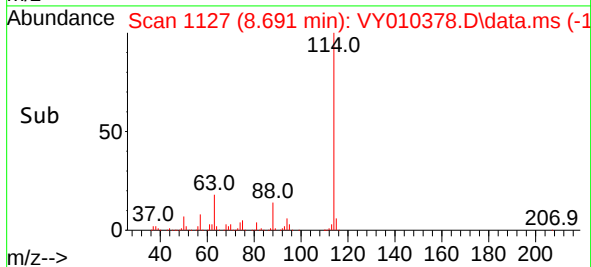
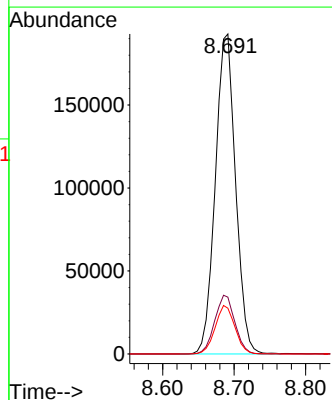
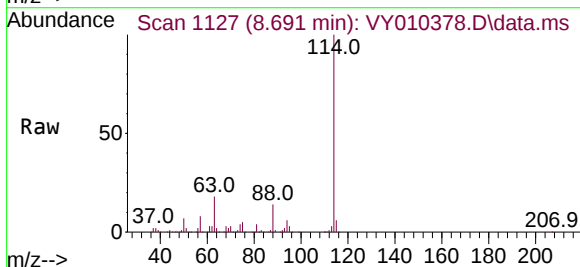
Tgt Ion: 114 Resp: 379406

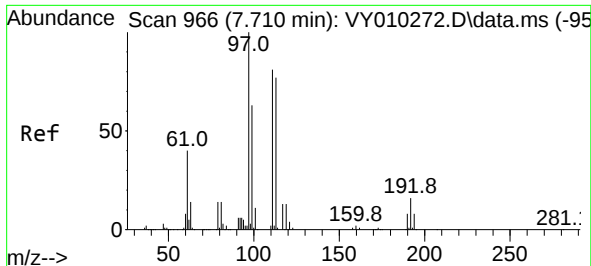
Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 14.3 0.0 31.8

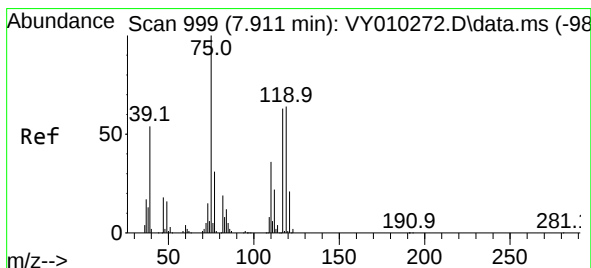
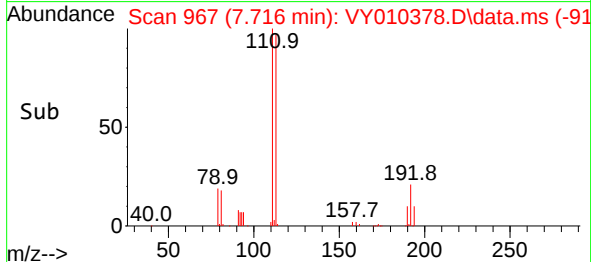
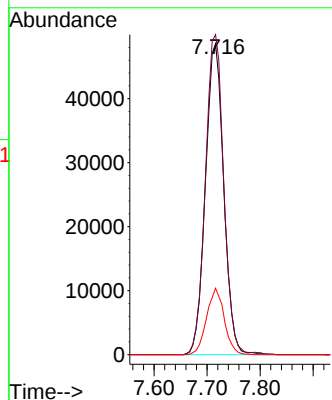
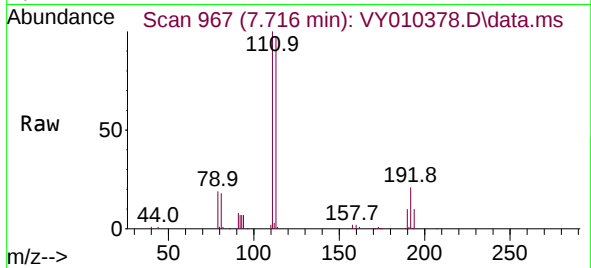




#35
Dibromofluoromethane
Concen: 46.069 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

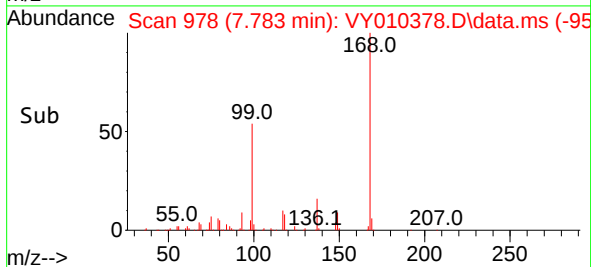
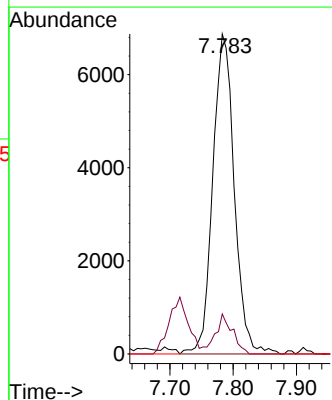
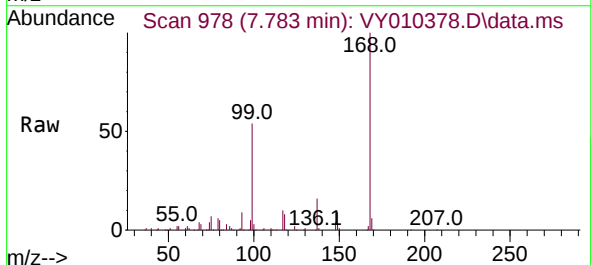
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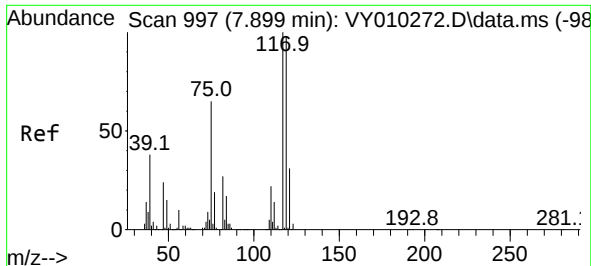
Tgt Ion:113 Resp: 116359
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.377 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

Tgt Ion: 75 Resp: 16220
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

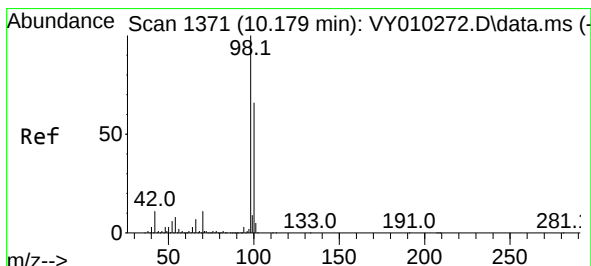
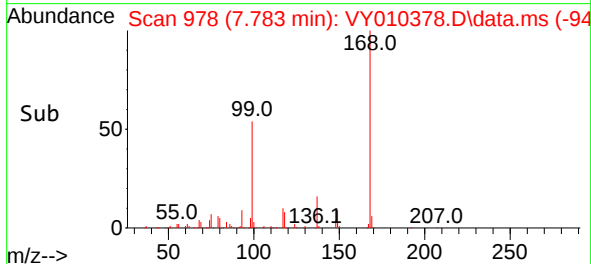
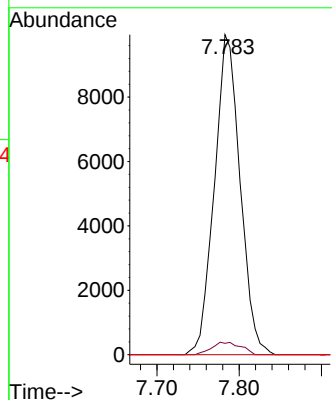
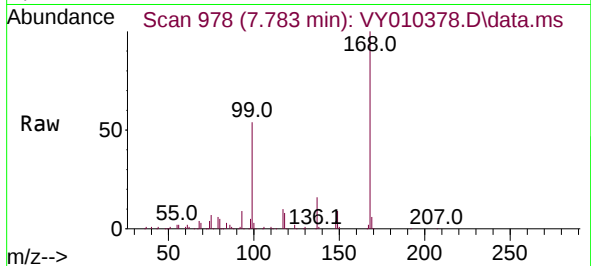




#38
Carbon Tetrachloride
Concen: 5.652 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

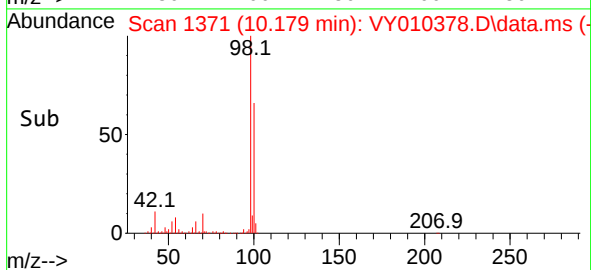
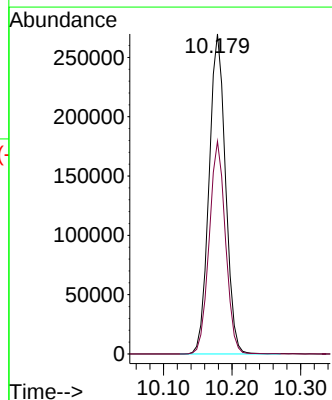
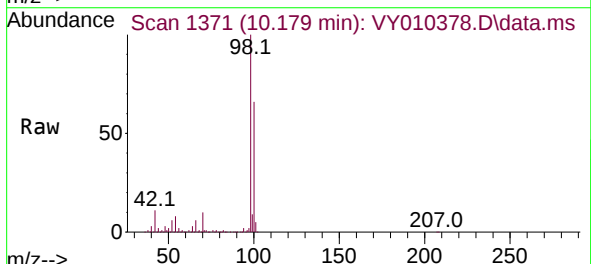
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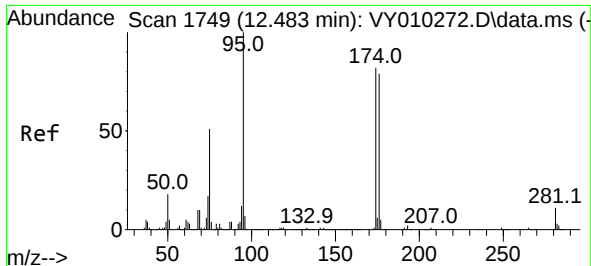
Tgt Ion:117 Resp: 21587
Ion Ratio Lower Upper
117 100
119 3.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.243 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

Tgt Ion: 98 Resp: 450242
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2

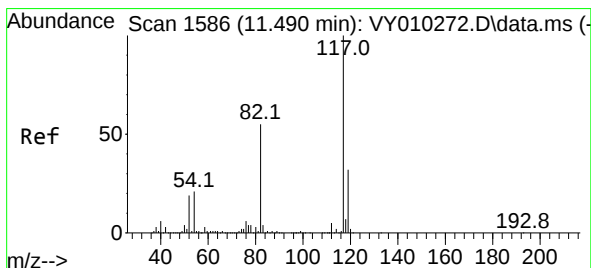
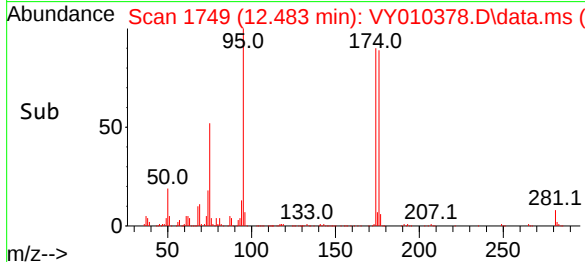
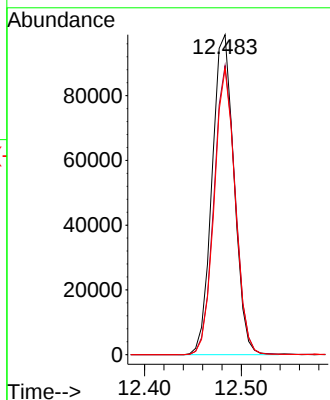
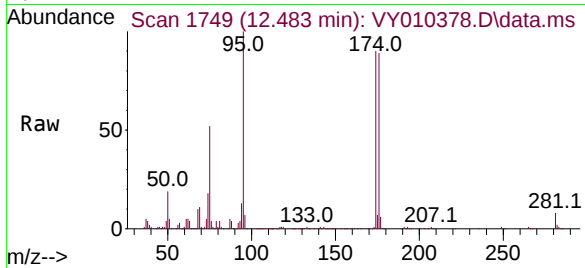




#62
4-Bromofluorobenzene
Concen: 45.516 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

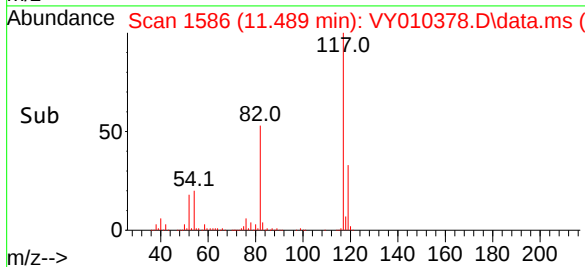
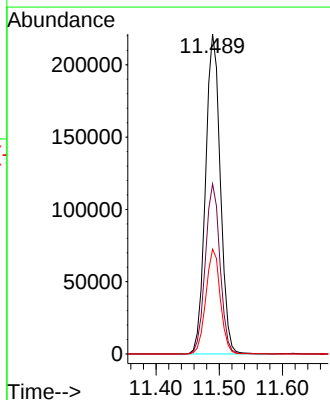
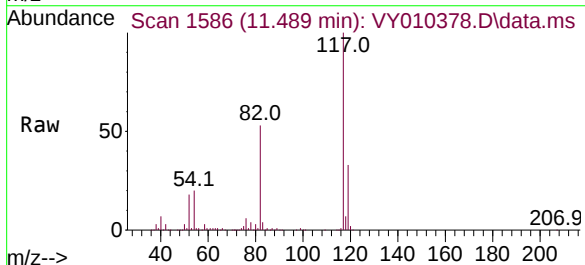
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_112D-20220902

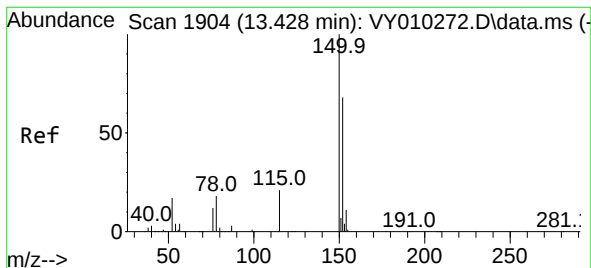
Tgt Ion: 95 Resp: 156062
Ion Ratio Lower Upper
95 100
174 87.6 0.0 177.0
176 85.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010378.D
Acq: 07 Sep 2022 17:39

Tgt Ion: 117 Resp: 360022
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 32.7 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: VY010378.D

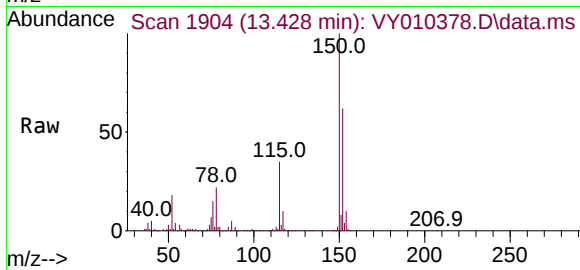
Acq: 07 Sep 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_112D-20220902



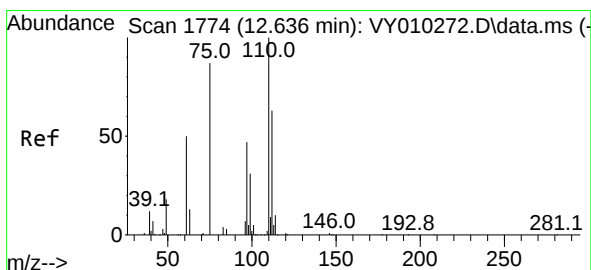
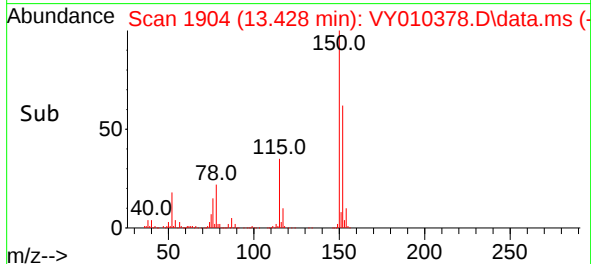
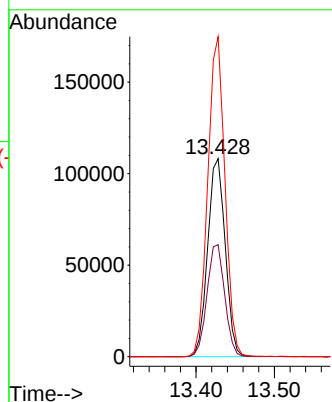
Tgt Ion:152 Resp: 168449

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 157.8 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 39.805 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY010378.D

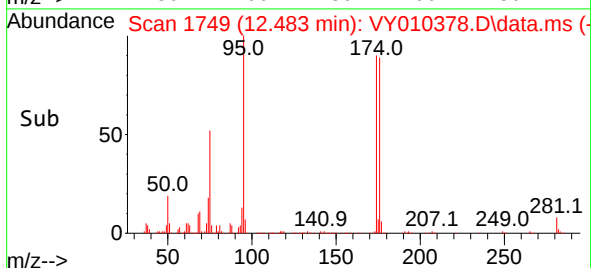
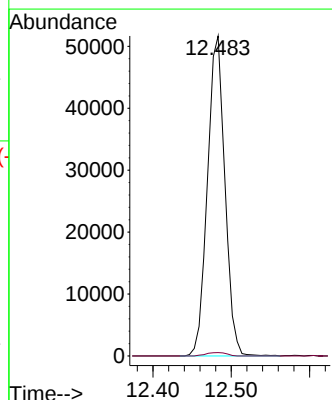
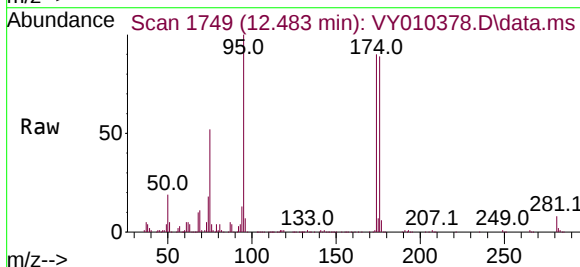
Acq: 07 Sep 2022 17:39

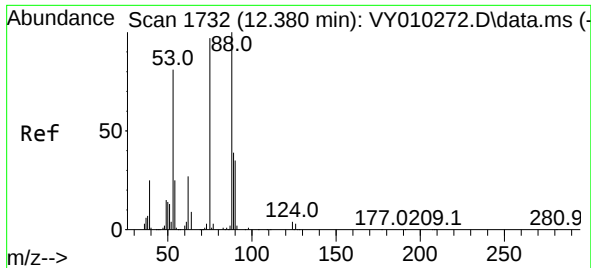
Tgt Ion: 75 Resp: 79794

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.038 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010378.D
 Acq: 07 Sep 2022 17:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_112D-20220902

Tgt Ion: 75 Resp: 79794
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

