

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010437.D
 Acq On : 09 Sep 2022 22:49
 Operator : KP/MD
 Sample : N4509-04
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_115D-20220902

Quant Time: Sep 12 03:01:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

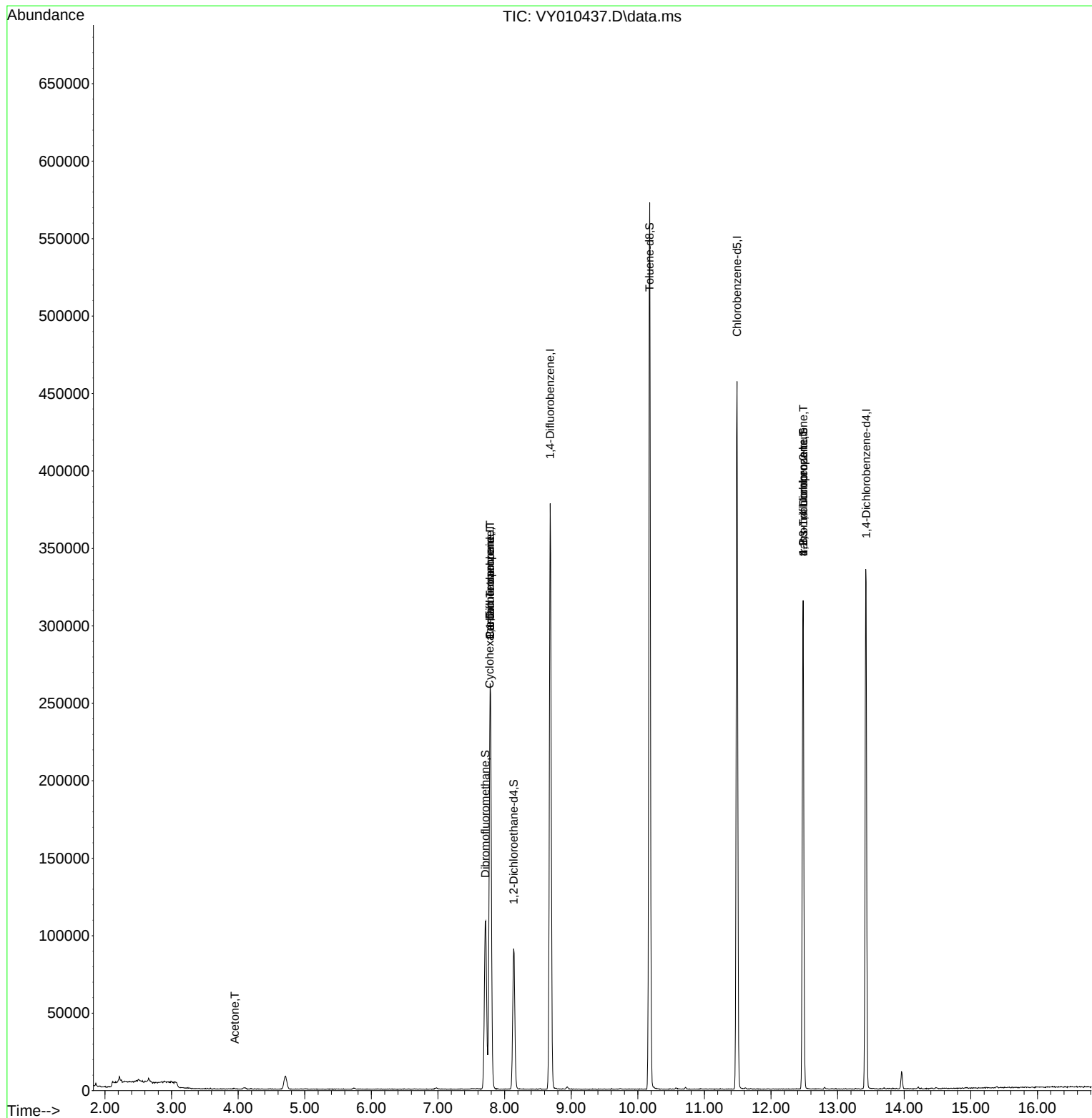
Internal Standards						
1) Pentafluorobenzene	7.783	168	215359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	255793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71684	33.049	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.100%
35) Dibromofluoromethane	7.710	113	78058	33.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	66.800%
50) Toluene-d8	10.179	98	373641	49.326	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.483	95	93956	28.666	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	57.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	136	Below Cal	#	77
16) Acetone	3.948	43	669	1.344	ug/l	98
20) Methylene Chloride	4.710	84	6581	Below Cal	#	72
31) Cyclohexane	7.777	56	4028	1.099	ug/l	# 9
36) 1,1-Dichloropropene	7.783	75	15020	4.694	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	20349	5.716	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	48309	48.021	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	48309	106.624	ug/l	# 7

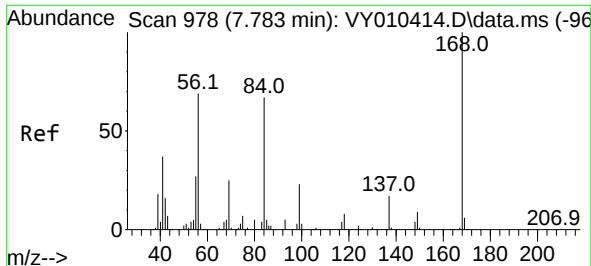
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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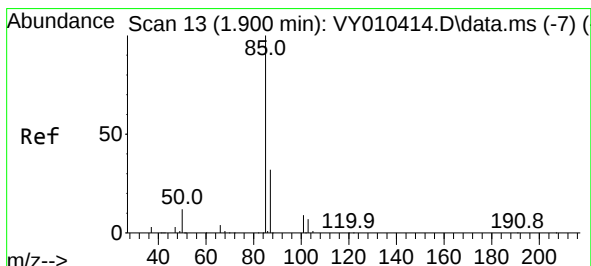
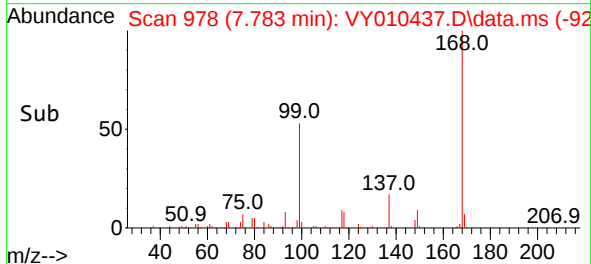
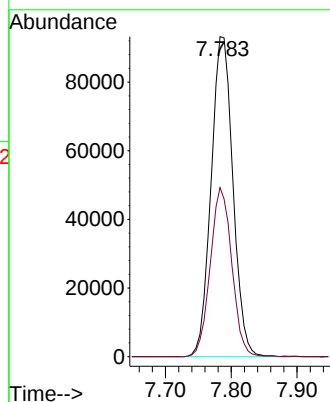
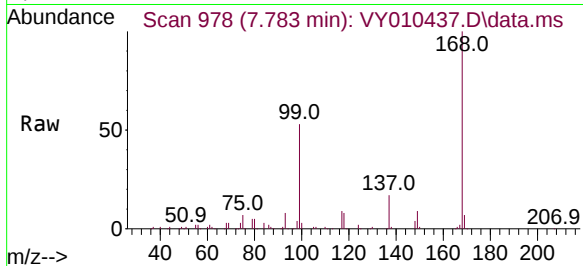




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

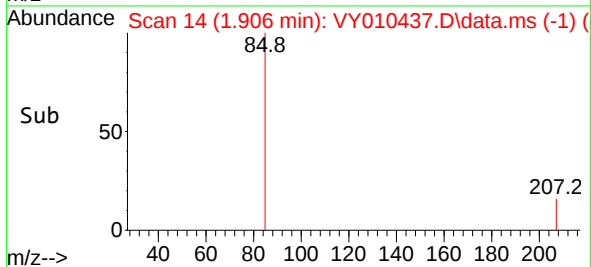
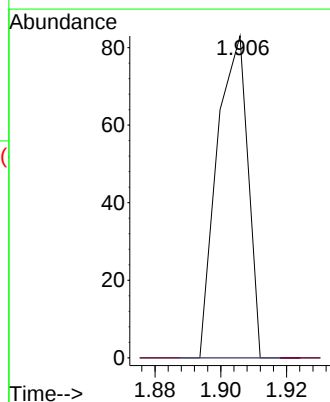
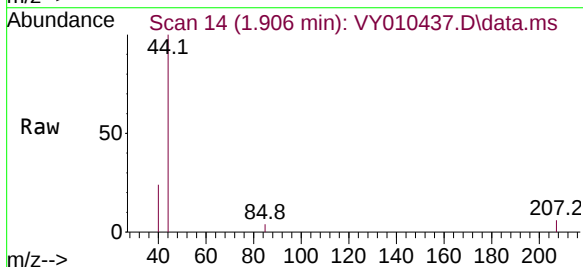
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902

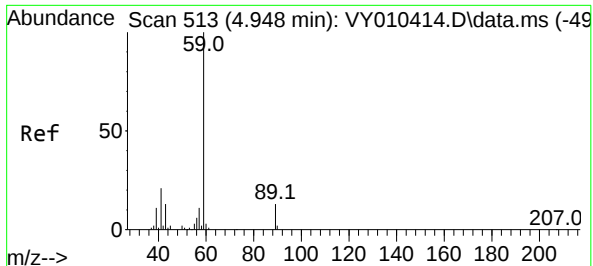
Tgt Ion:168 Resp: 215359
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY010437.D

Acq: 09 Sep 2022 22:49

Instrument :

MSVOA_Y

ClientSampleId :

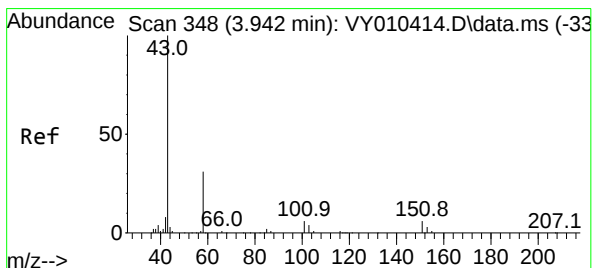
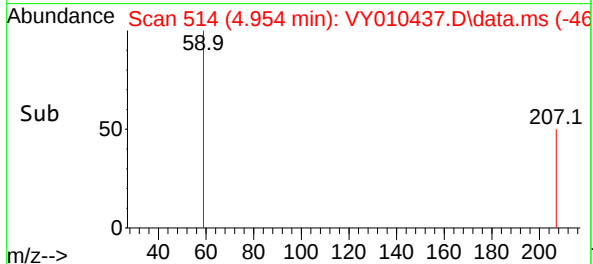
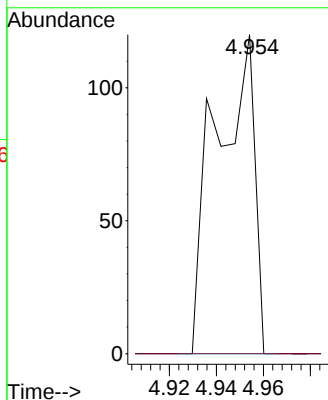
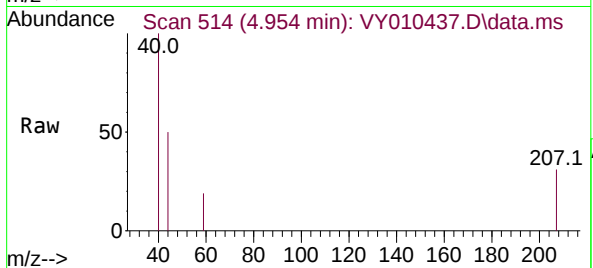
S1-SO_115D-20220902

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.344 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY010437.D

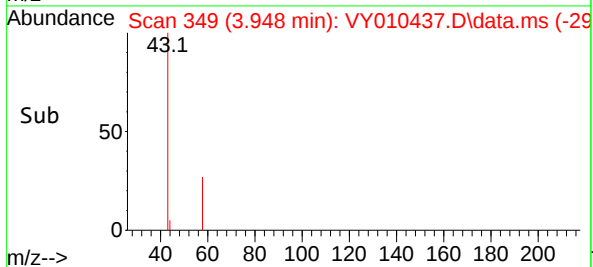
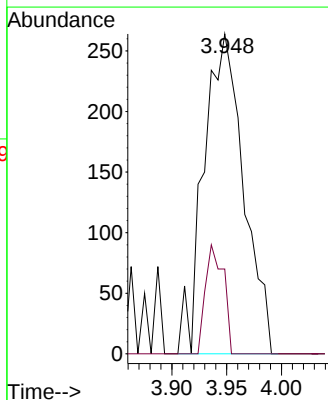
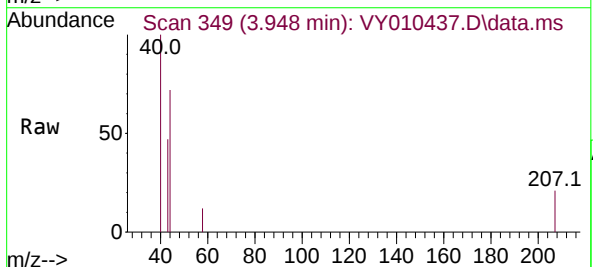
Acq: 09 Sep 2022 22:49

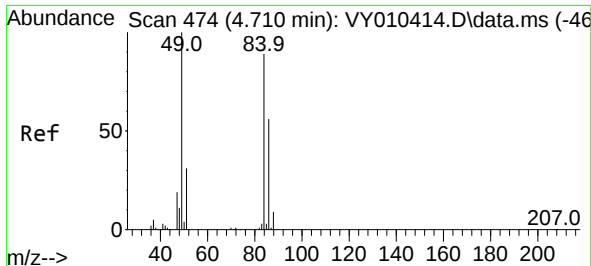
Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 26.5 22.0 33.0

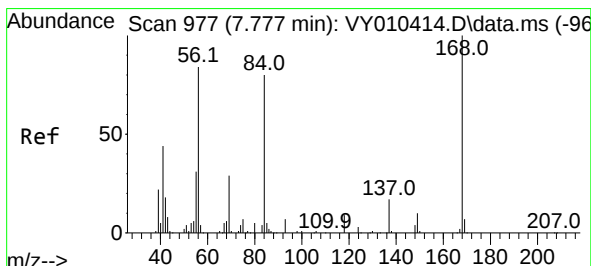
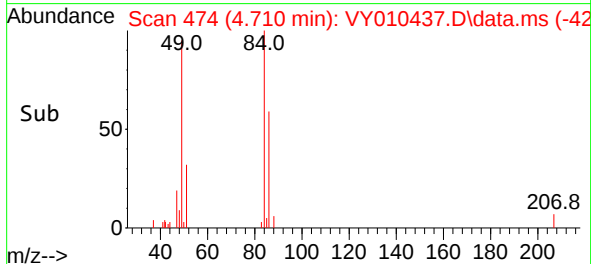
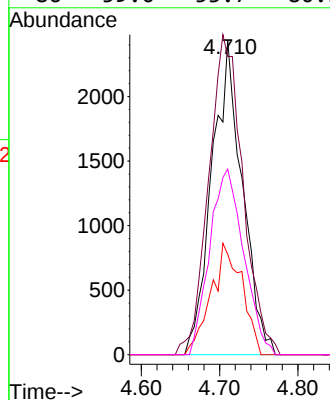
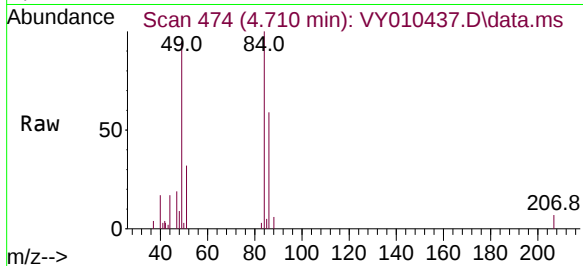




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

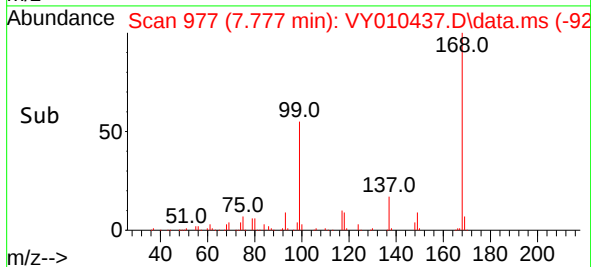
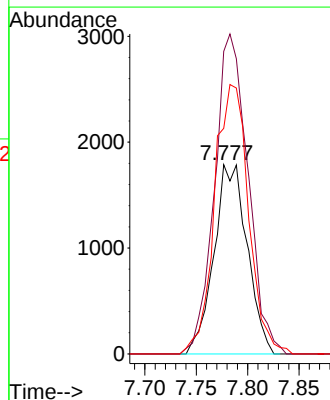
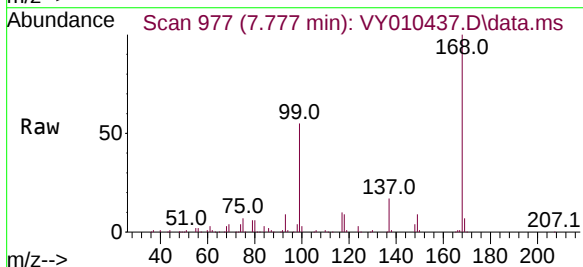
Instrument :
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ClientSampleId :
S1-SO_115D-20220902

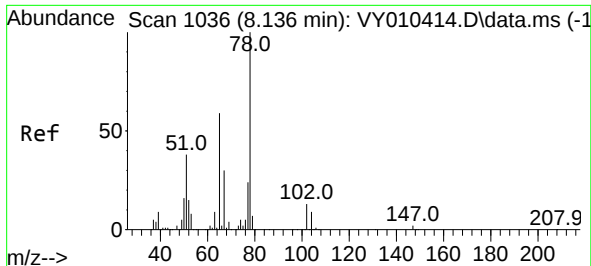
Tgt Ion:	84	Resp:	6581
Ion	Ratio	Lower	Upper
84	100		
49	94.9	114.4	171.6#
51	31.9	35.3	52.9#
86	59.0	53.7	80.5



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

Tgt Ion:	56	Resp:	4028
Ion	Ratio	Lower	Upper
56	100		
69	159.9	26.7	40.1#
84	119.2	67.2	100.8#

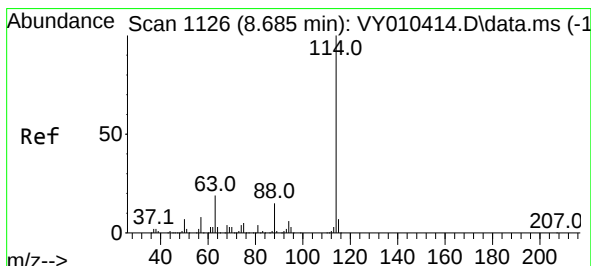
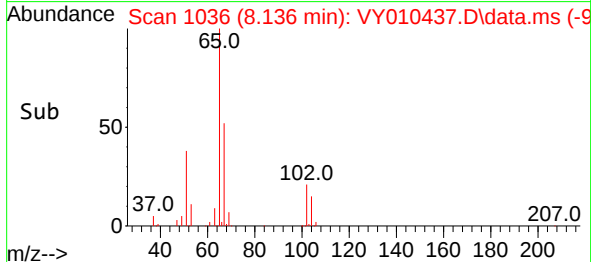
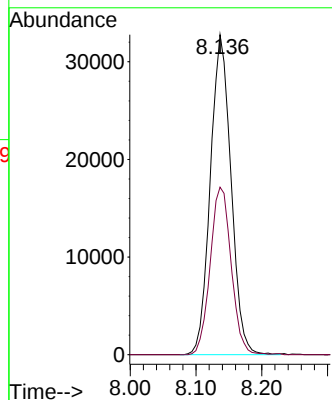
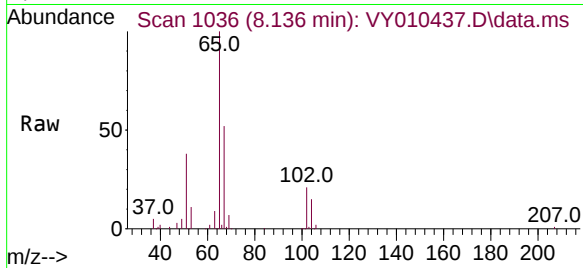




#33
 1,2-Dichloroethane-d4
 Concen: 33.049 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY010437.D
 Acq: 09 Sep 2022 22:49

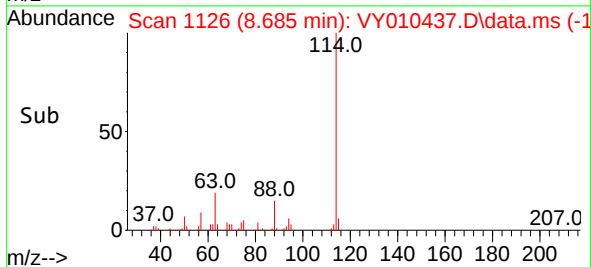
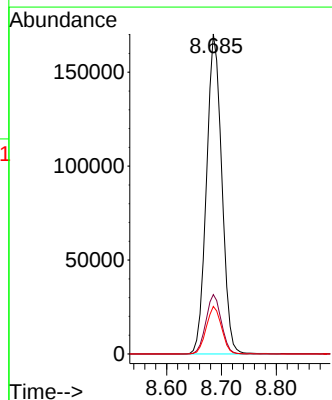
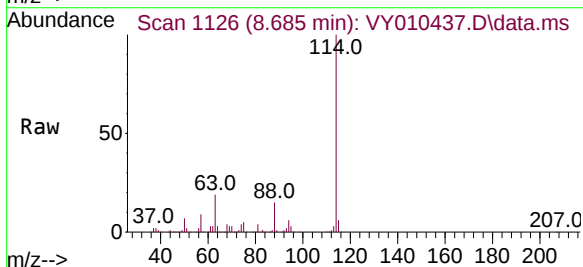
Instrument :
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 ClientSampleId :
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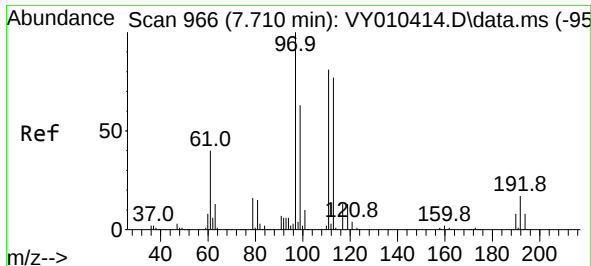
Tgt Ion: 65 Resp: 71684
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010437.D
 Acq: 09 Sep 2022 22:49

Tgt Ion: 114 Resp: 329100
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.2
 88 14.9 0.0 31.8

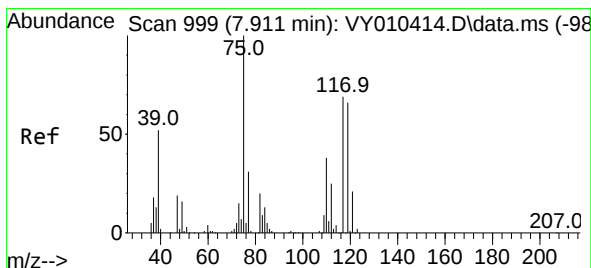
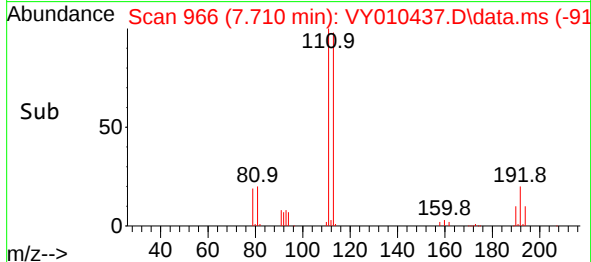
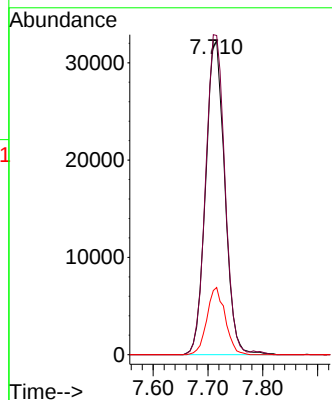
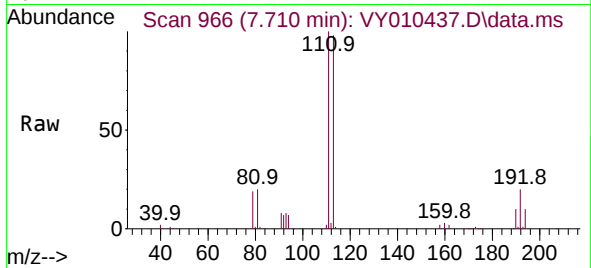




#35
Dibromofluoromethane
Concen: 33.397 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

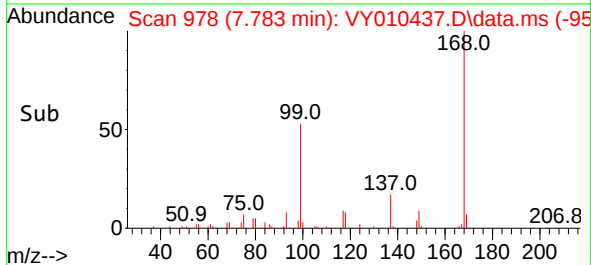
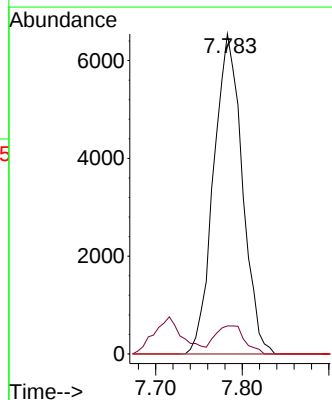
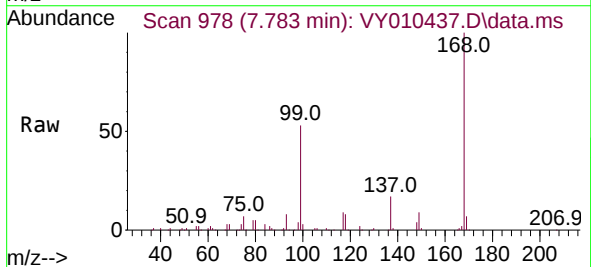
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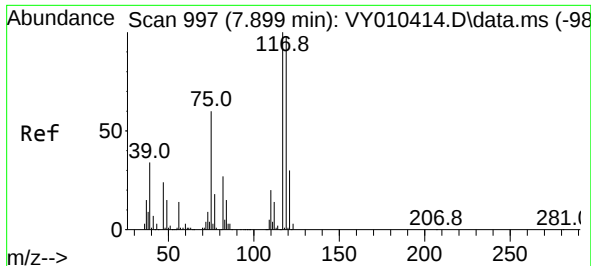
Tgt Ion:113 Resp: 78058
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.694 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

Tgt Ion: 75 Resp: 15020
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#

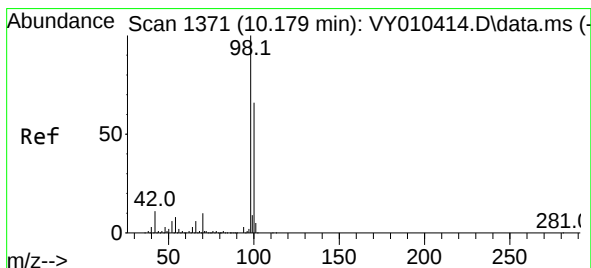
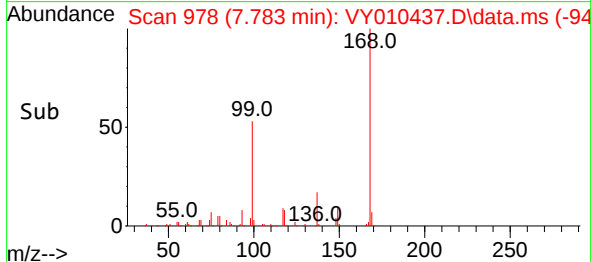
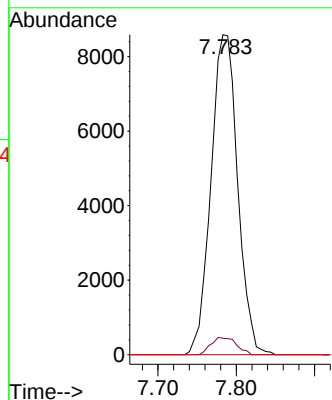
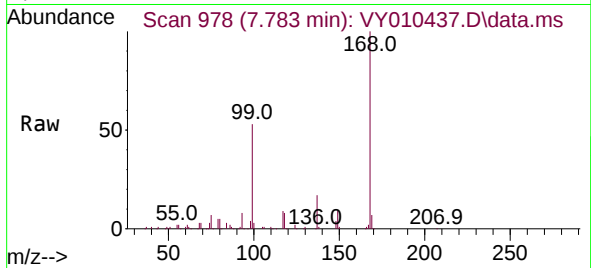




#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

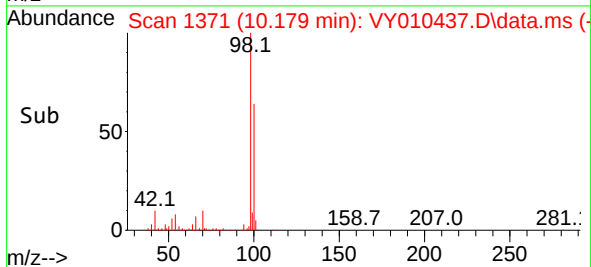
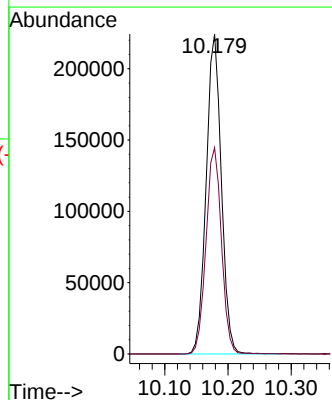
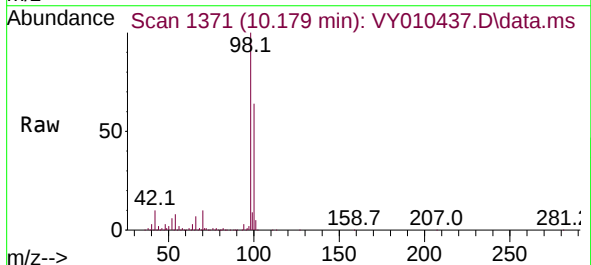
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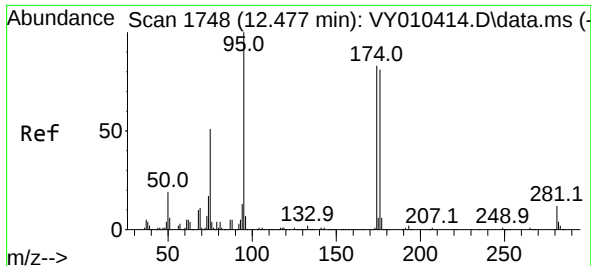
Tgt Ion:117 Resp: 20349
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.326 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

Tgt Ion: 98 Resp: 373641
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2

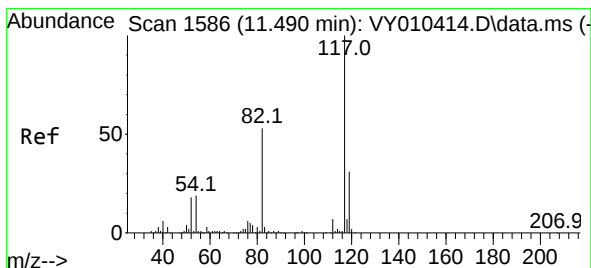
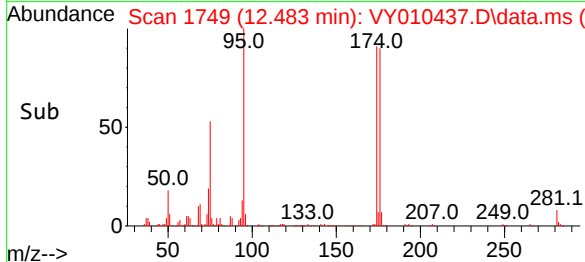
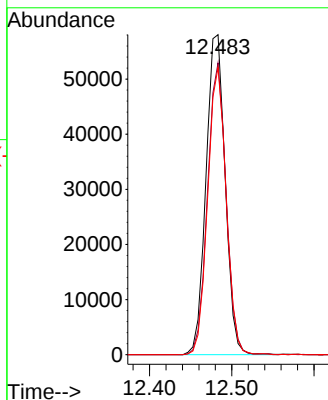
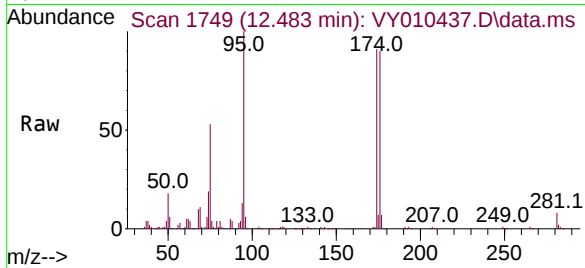




#62
4-Bromofluorobenzene
Concen: 28.666 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

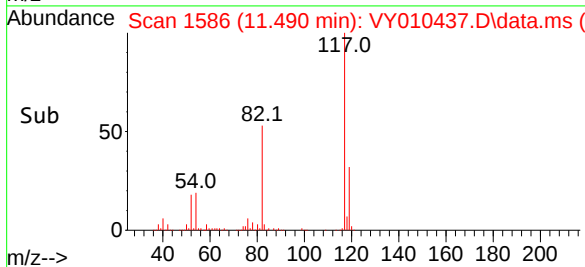
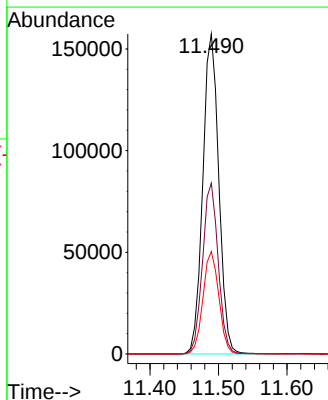
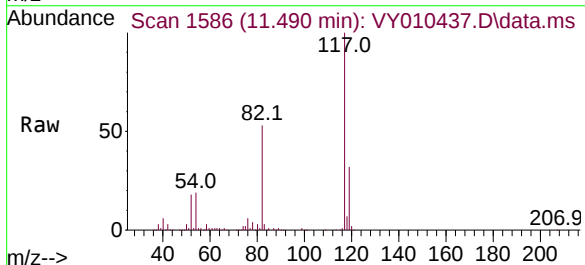
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902

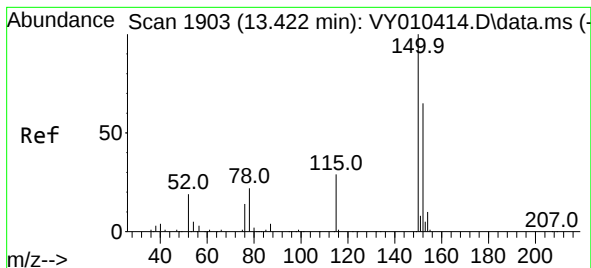
Tgt Ion: 95 Resp: 93956
Ion Ratio Lower Upper
95 100
174 88.4 0.0 177.0
176 86.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010437.D
Acq: 09 Sep 2022 22:49

Tgt Ion: 117 Resp: 255793
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY010437.D

Acq: 09 Sep 2022 22:49

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_115D-20220902

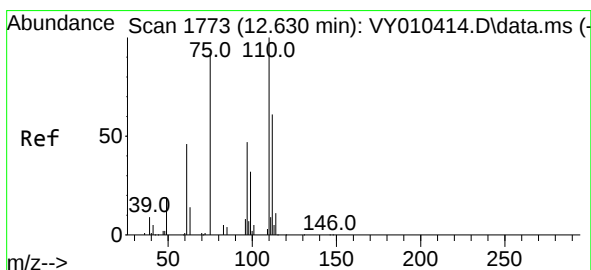
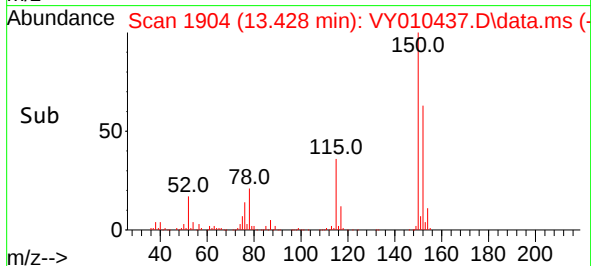
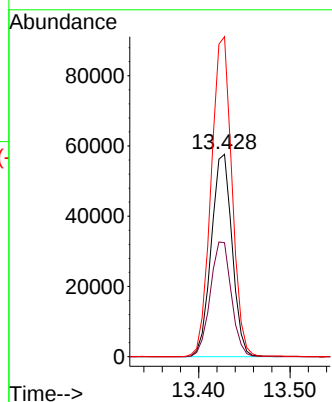
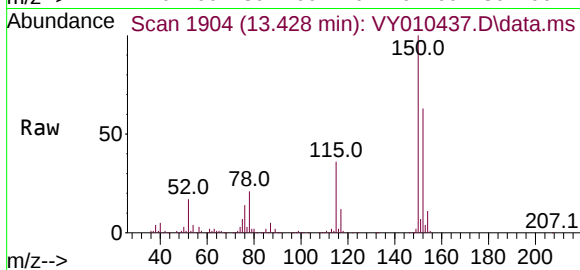
Tgt Ion:152 Resp: 91150

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 157.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 48.021 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY010437.D

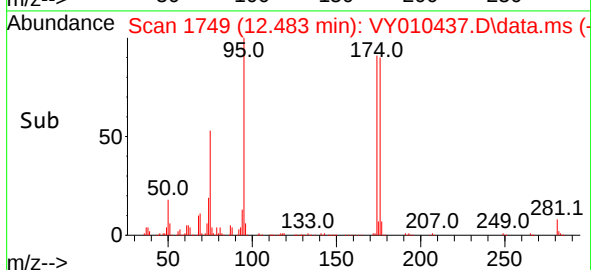
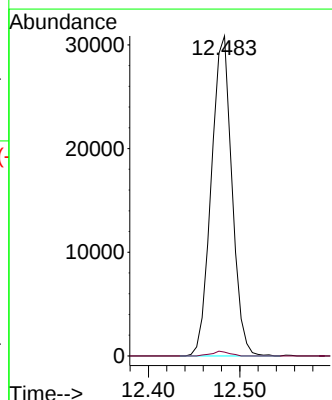
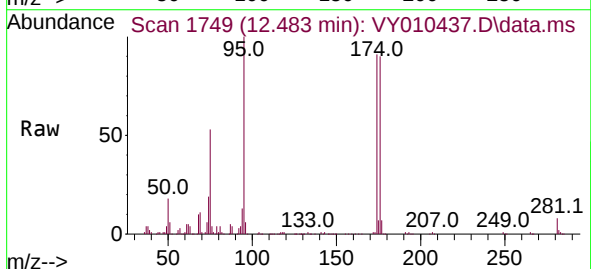
Acq: 09 Sep 2022 22:49

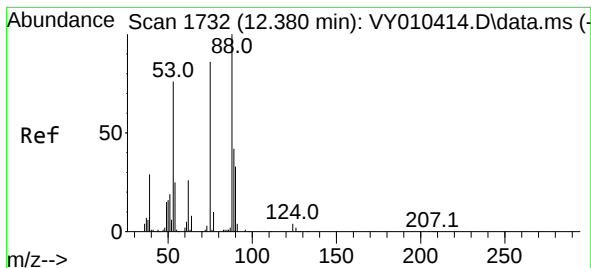
Tgt Ion: 75 Resp: 48309

Ion Ratio Lower Upper

75 100

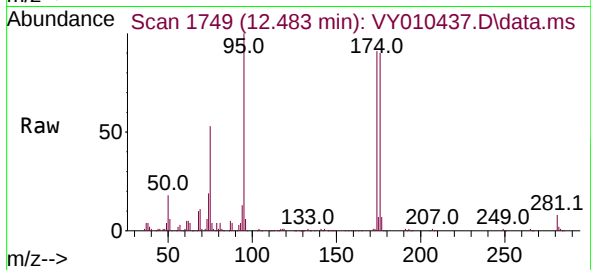
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.624 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010437.D
 Acq: 09 Sep 2022 22:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_115D-20220902



Tgt Ion: 75 Resp: 48309
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

