

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010304.D
 Acq On : 03 Sep 2022 02:35
 Operator : KP/MD
 Sample : N4379-10
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 03 06:11:40 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	289350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	480753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	452965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211769	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	165708	55.851	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.700%
35) Dibromofluoromethane	7.716	113	146832	45.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.760%
50) Toluene-d8	10.179	98	576035	53.759	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.520%
62) 4-Bromofluorobenzene	12.483	95	202737	46.846	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.700%

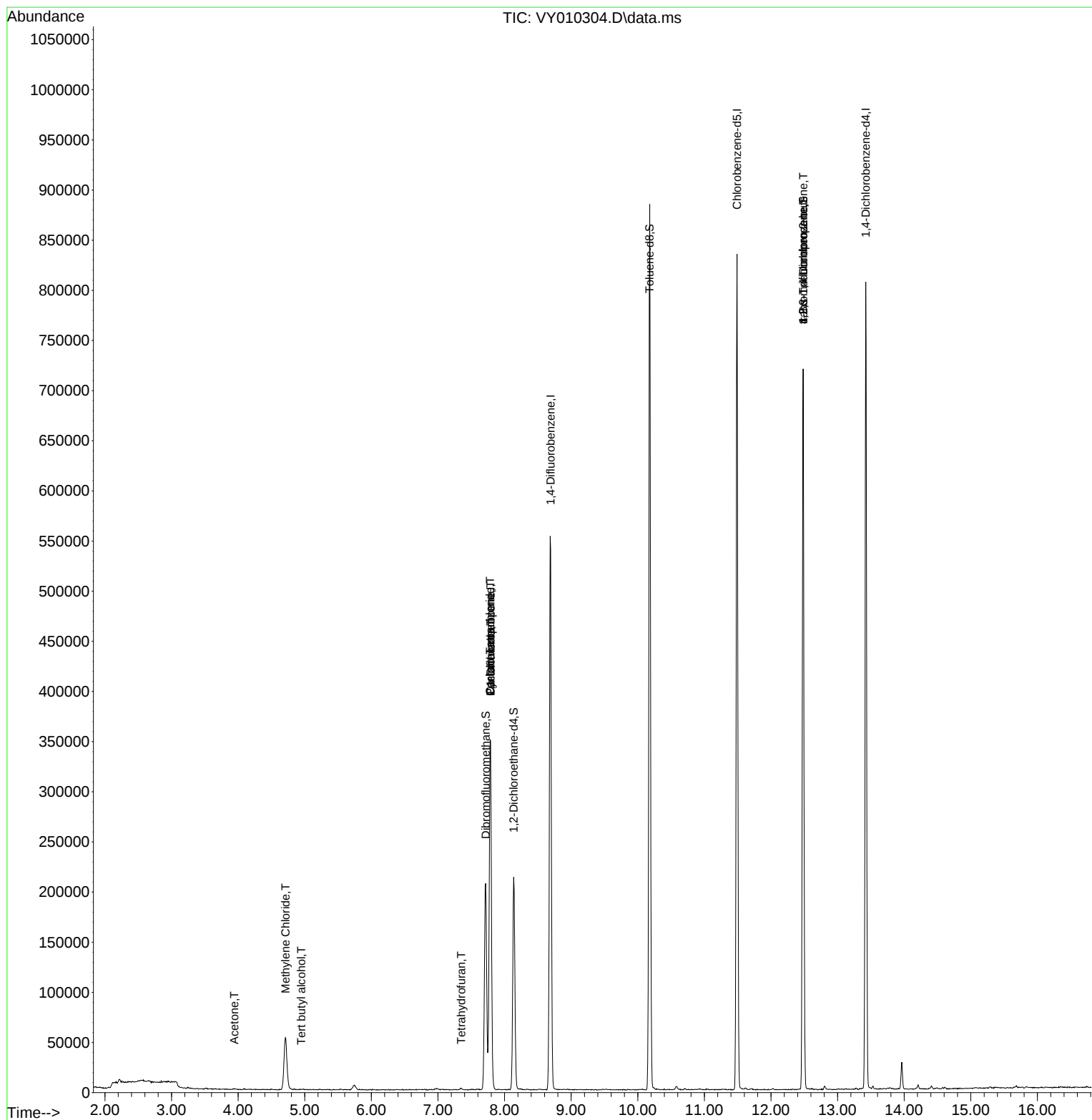
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	713	Below Cal	#	76
11) Tert butyl alcohol	4.948	59	557	1.569	ug/l #	77
16) Acetone	3.942	43	1285	1.733	ug/l #	86
20) Methylene Chloride	4.710	84	40196	11.230	ug/l	85
29) Tetrahydrofuran	7.350	42	1081	1.386	ug/l #	87
31) Cyclohexane	7.789	56	5803	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	21192	4.513	ug/l #	50
38) Carbon Tetrachloride	7.783	117	27148	5.610	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	105252	41.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	105252	87.125	ug/l #	7

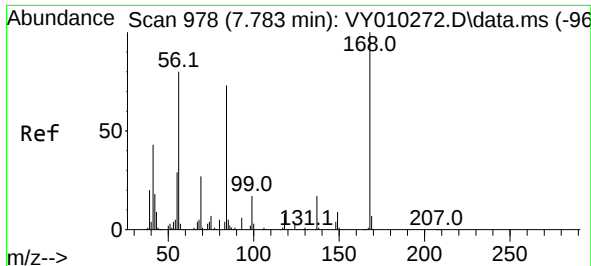
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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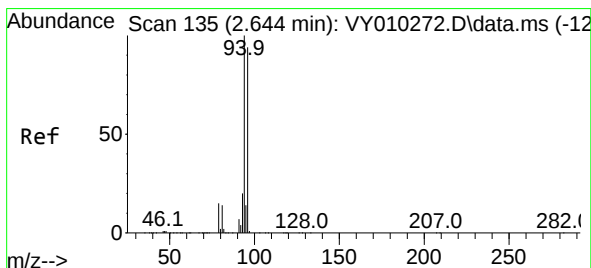
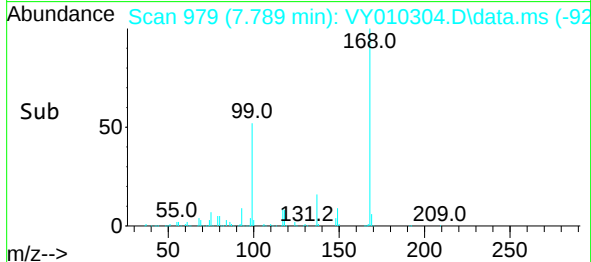
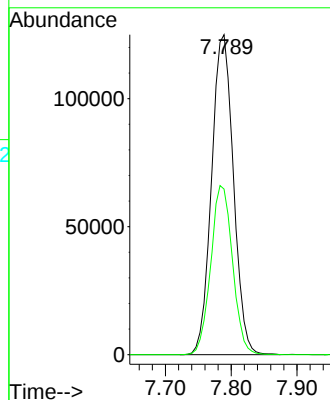
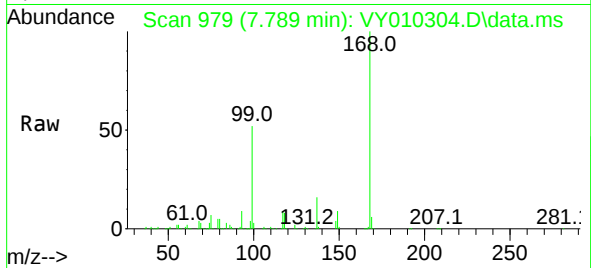




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

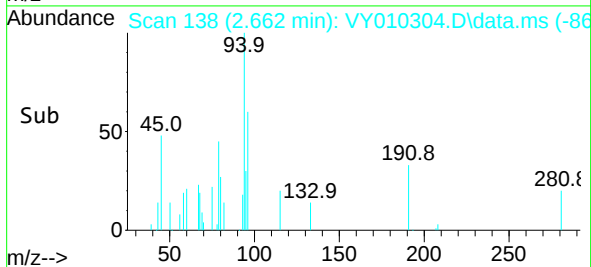
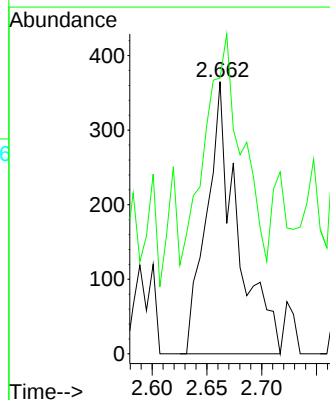
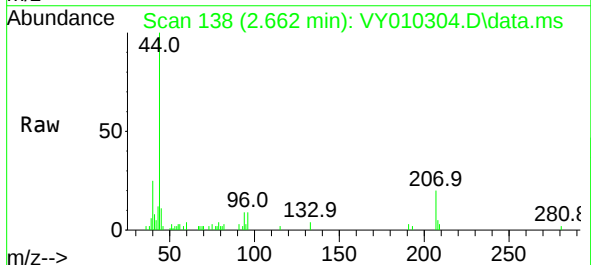
Instrument :
MSVOA_Y
ClientSampleId :

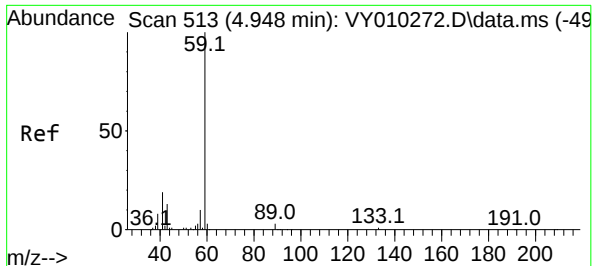
Tgt Ion:168 Resp: 289350
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

Tgt Ion: 94 Resp: 713
Ion Ratio Lower Upper
94 100
96 68.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: 1.569 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY010304.D

Acq: 03 Sep 2022 02:35

Instrument :

MSVOA_Y

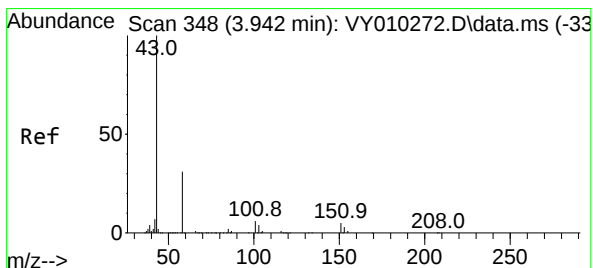
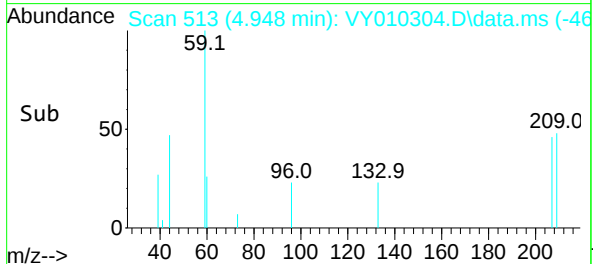
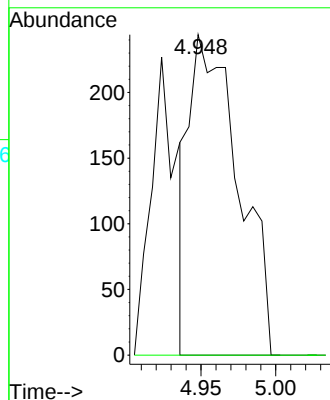
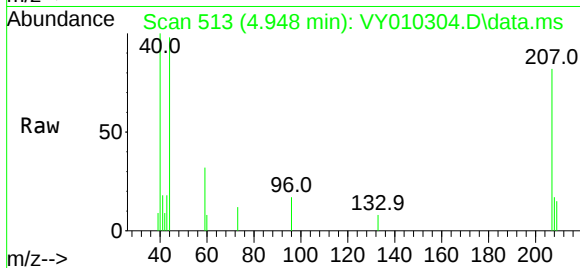
ClientSampleId :

Tgt Ion: 59 Resp: 557

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.733 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010304.D

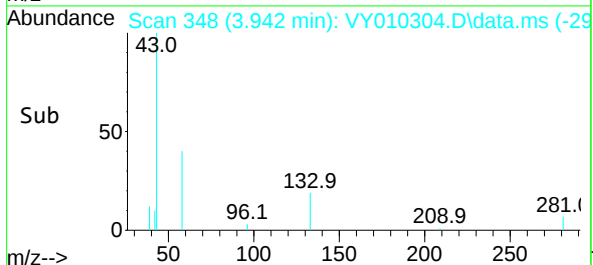
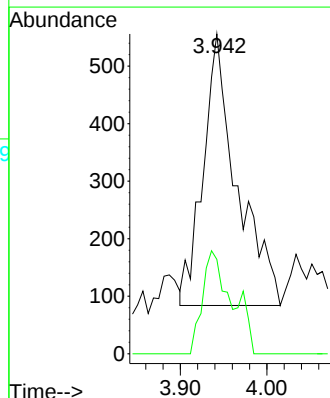
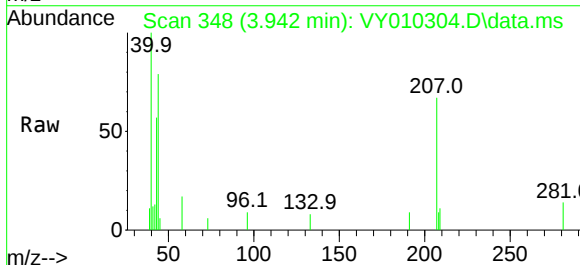
Acq: 03 Sep 2022 02:35

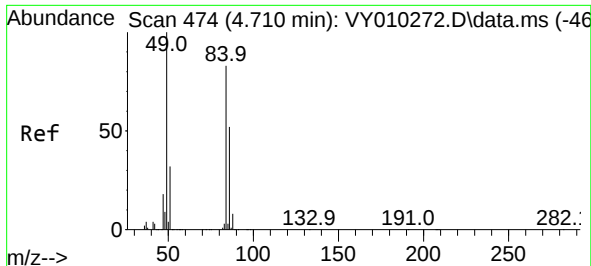
Tgt Ion: 43 Resp: 1285

Ion Ratio Lower Upper

43 100

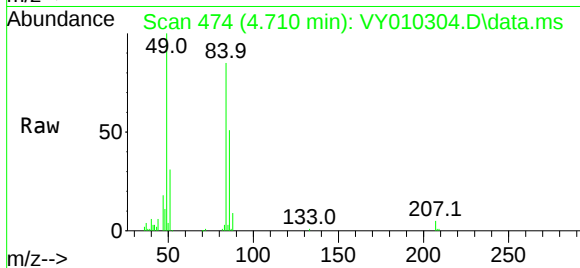
58 34.7 22.0 33.0#



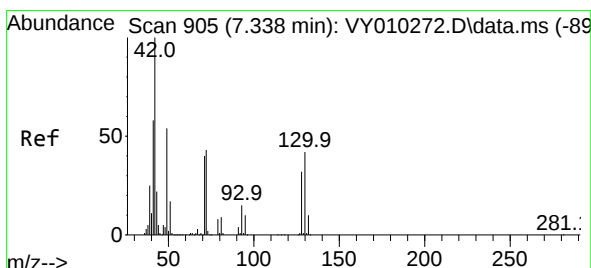
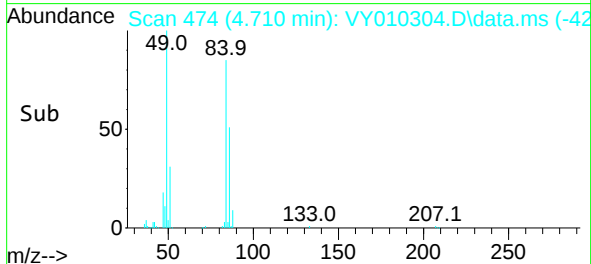
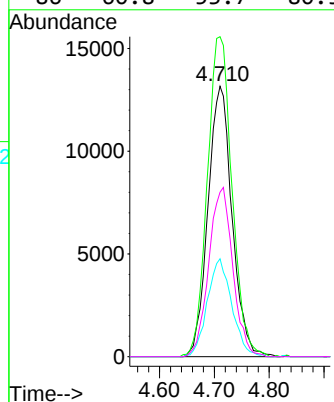


#20
Methylene Chloride
Concen: 11.230 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

Instrument :
MSVOA_Y
ClientSampleId :

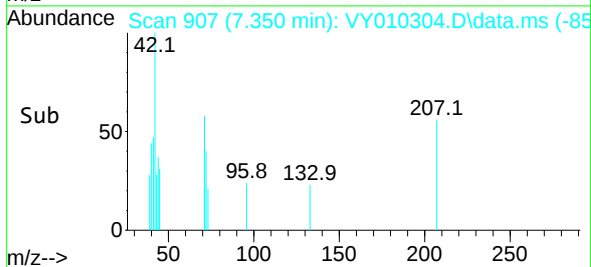
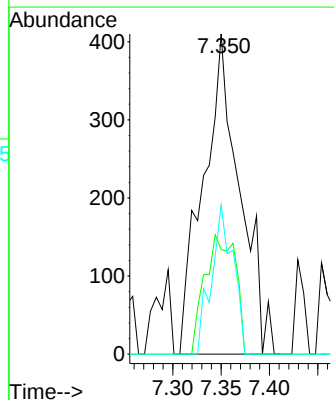
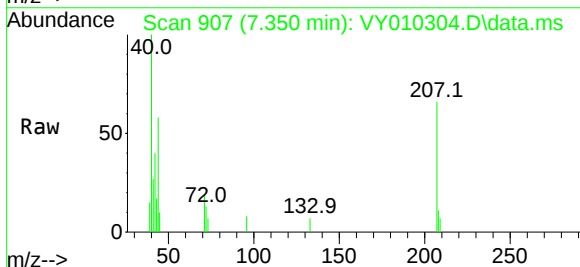


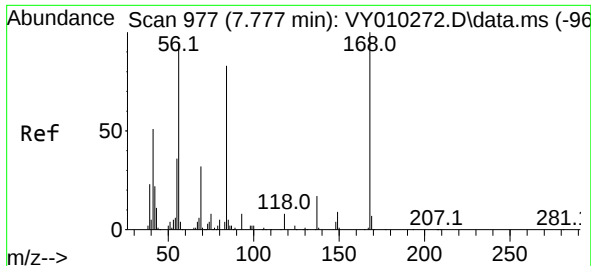
Tgt Ion:	84	Resp:	40196
Ion	Ratio	Lower	Upper
84	100		
49	118.3	114.4	171.6
51	36.2	35.3	52.9
86	60.8	53.7	80.5



#29
Tetrahydrofuran
Concen: 1.386 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

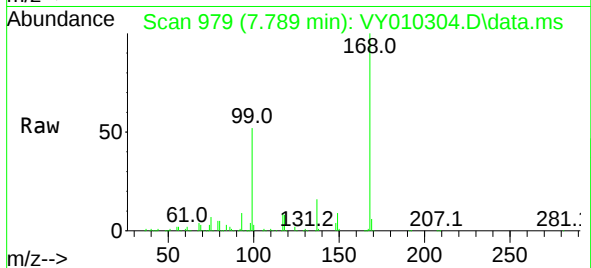
Tgt Ion:	42	Resp:	1081
Ion	Ratio	Lower	Upper
42	100		
72	31.1	30.3	45.5
71	27.5	29.0	43.4



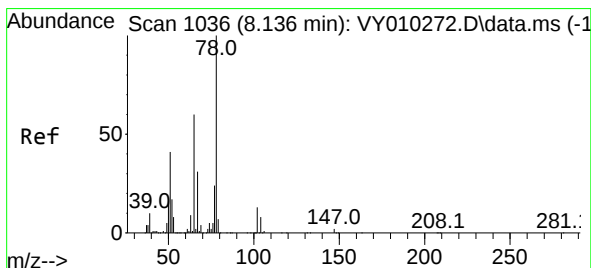
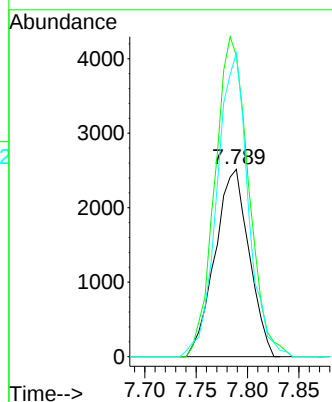
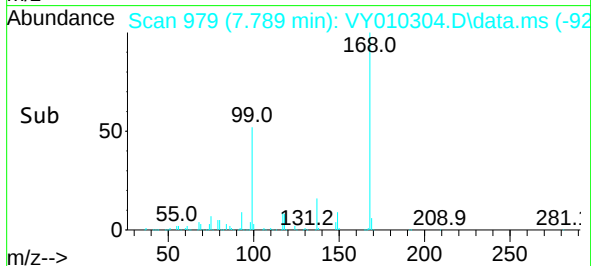


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

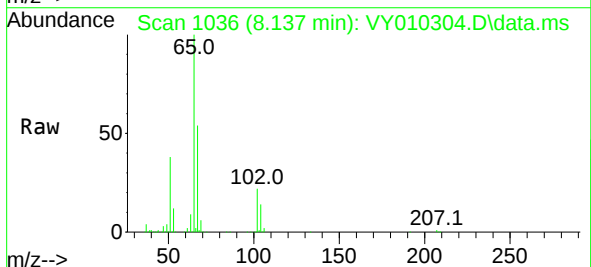
Instrument :
MSVOA_Y
ClientSampleId :



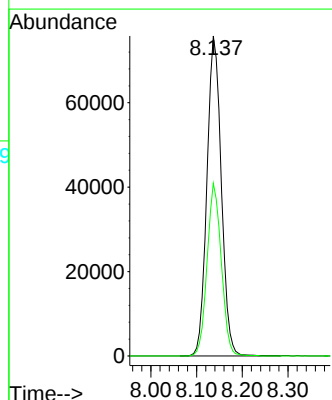
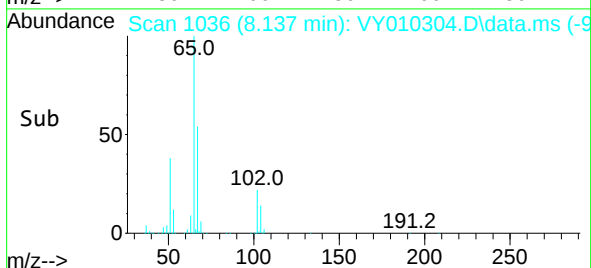
Tgt Ion: 56 Resp: 5803
Ion Ratio Lower Upper
56 100
69 160.6 26.7 40.1#
84 161.9 67.2 100.8#

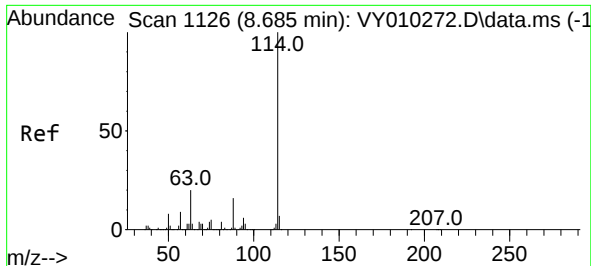


#33
1,2-Dichloroethane-d4
Concen: 55.851 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35



Tgt Ion: 65 Resp: 165708
Ion Ratio Lower Upper
65 100
67 53.1 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: VY010304.D

Acq: 03 Sep 2022 02:35

Instrument :

MSVOA_Y

ClientSampleId :

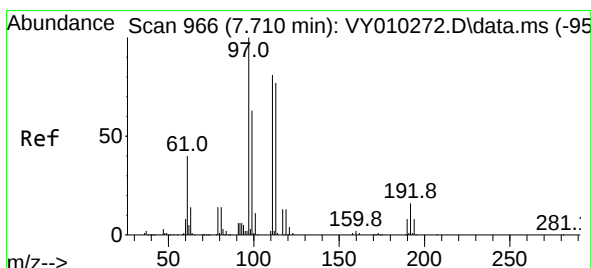
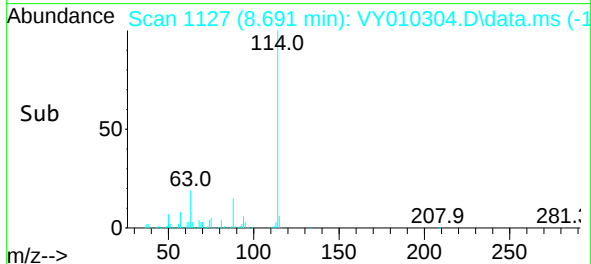
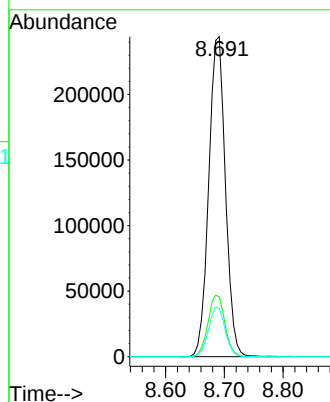
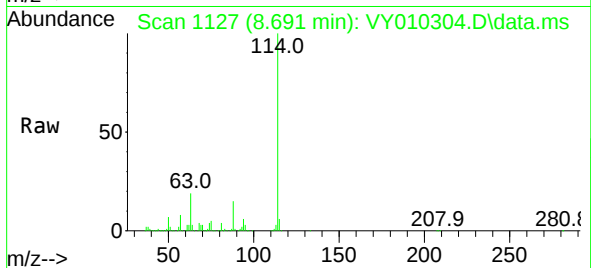
Tgt Ion:114 Resp: 480753

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.878 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010304.D

Acq: 03 Sep 2022 02:35

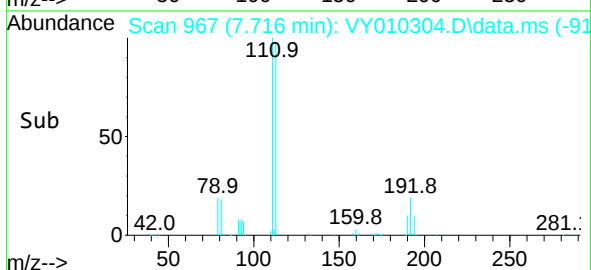
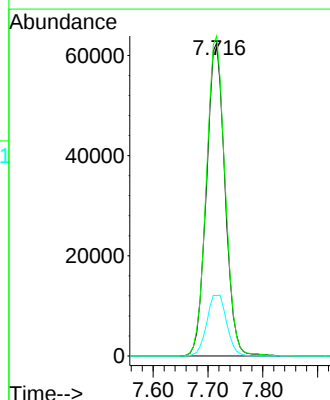
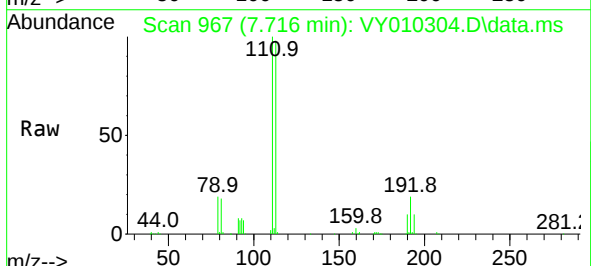
Tgt Ion:113 Resp: 146832

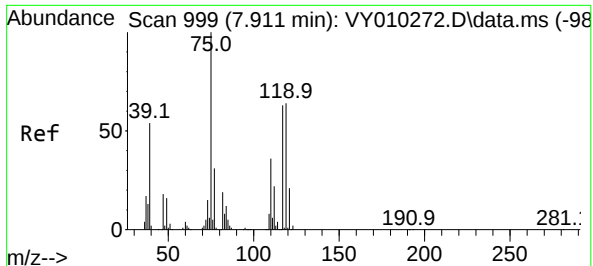
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 20.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010304.D

Acq: 03 Sep 2022 02:35

Instrument :

MSVOA_Y

ClientSampleId :

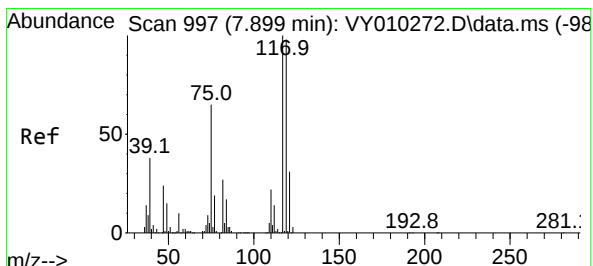
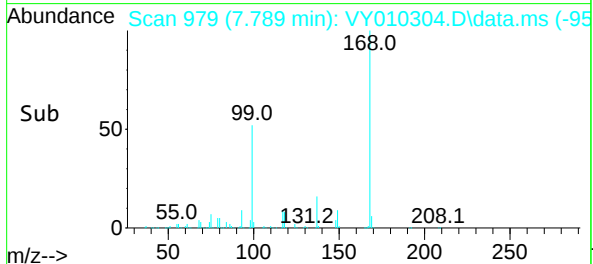
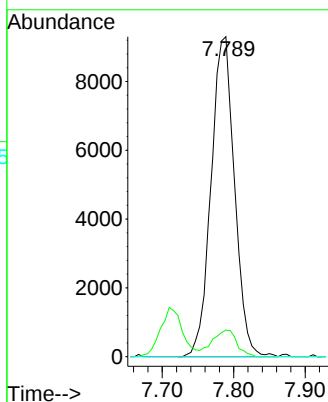
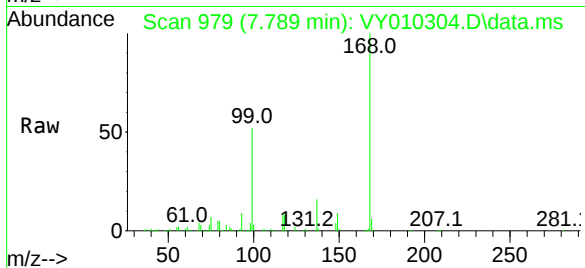
Tgt Ion: 75 Resp: 21192

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.610 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010304.D

Acq: 03 Sep 2022 02:35

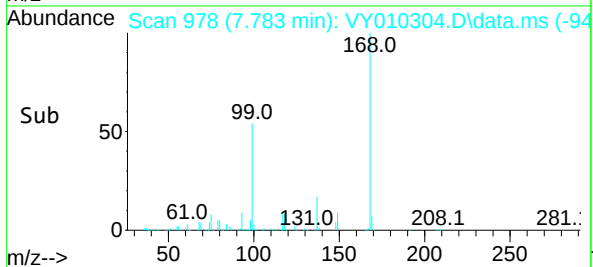
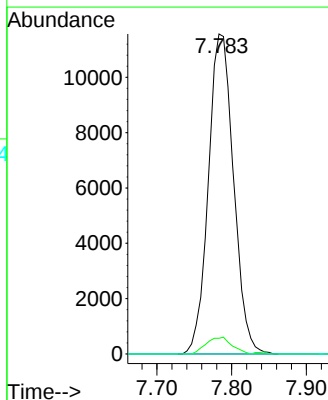
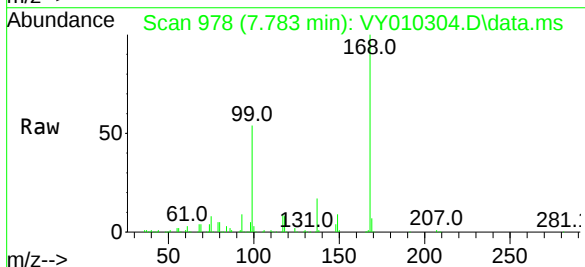
Tgt Ion: 117 Resp: 27148

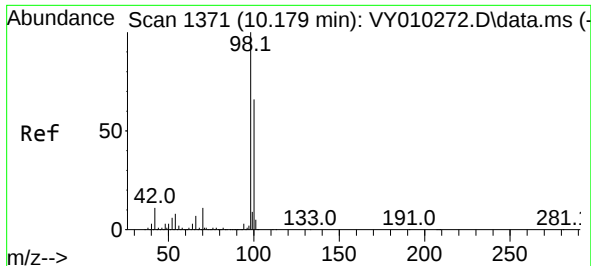
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#

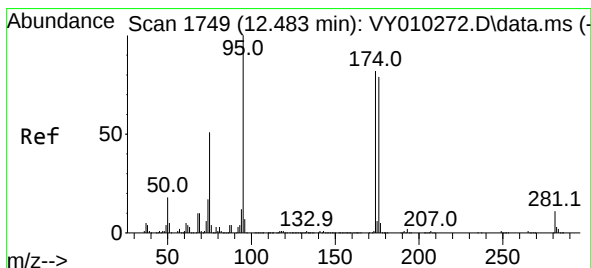
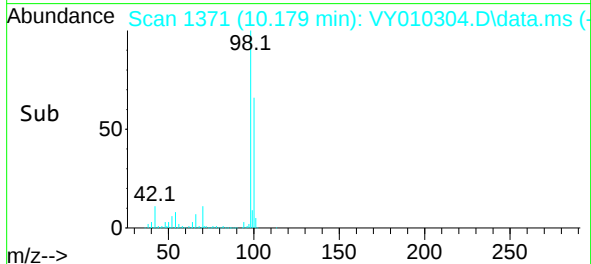
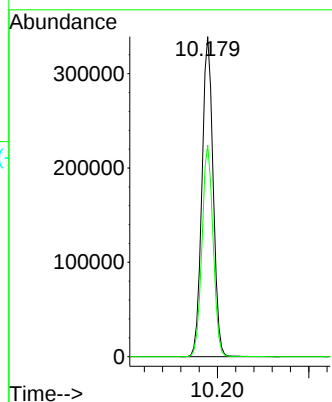
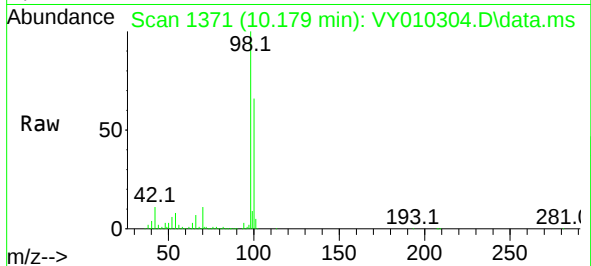




#50
Toluene-d8
Concen: 53.759 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

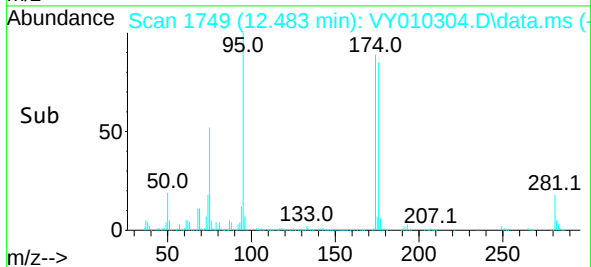
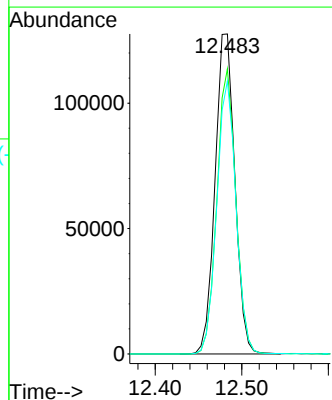
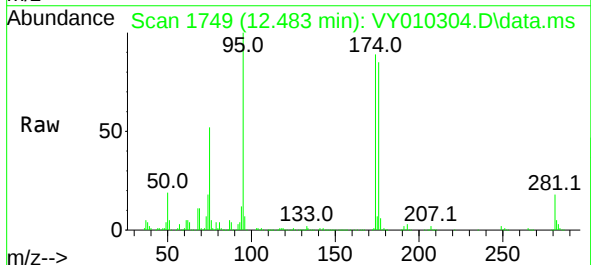
Instrument :
MSVOA_Y
ClientSampleId :

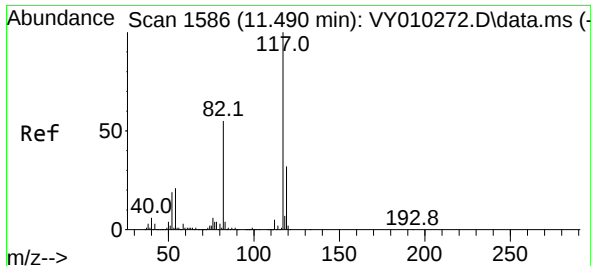
Tgt Ion: 98 Resp: 576035
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.846 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

Tgt Ion: 95 Resp: 202737
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 82.9 0.0 175.8

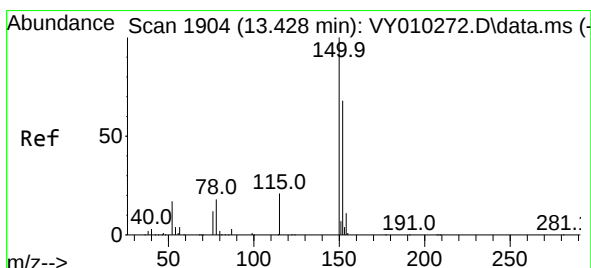
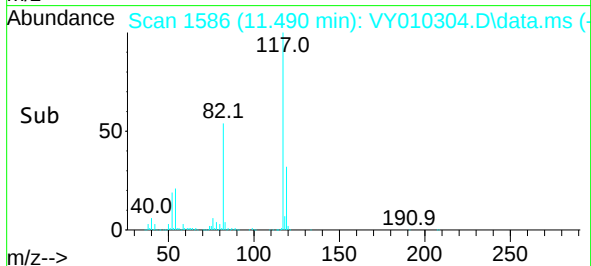
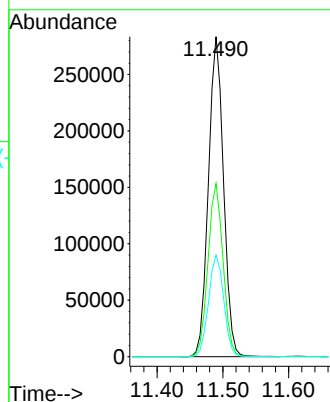
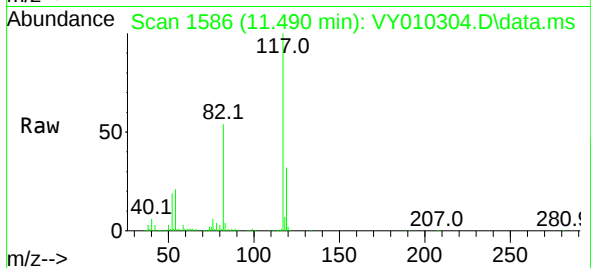




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

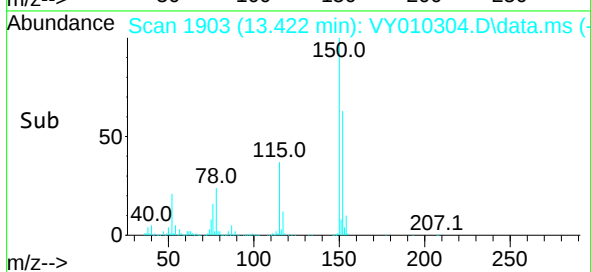
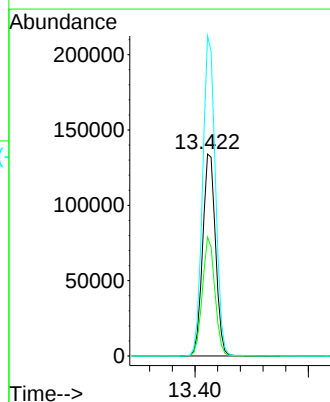
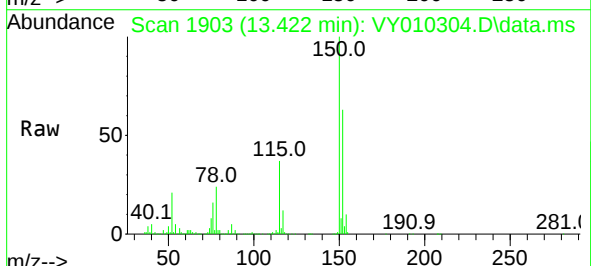
Instrument :
MSVOA_Y
ClientSampleId :

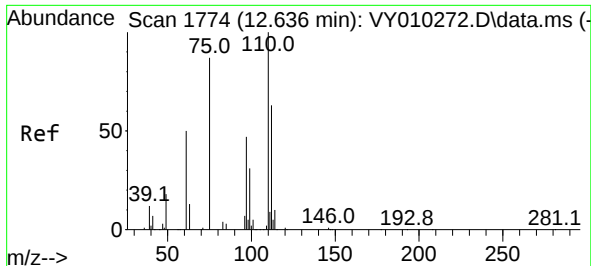
Tgt Ion:117 Resp: 452965
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

Tgt Ion:152 Resp: 211769
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 156.4 0.0 347.6

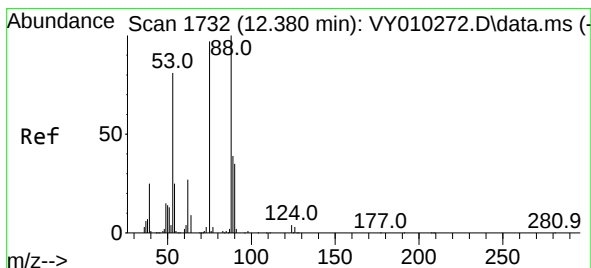
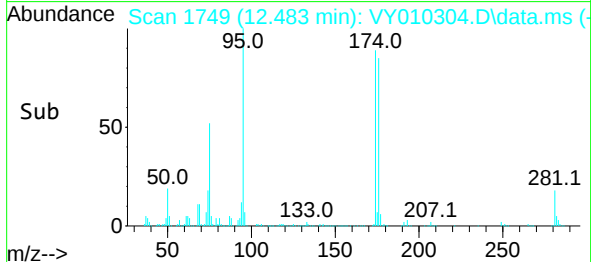
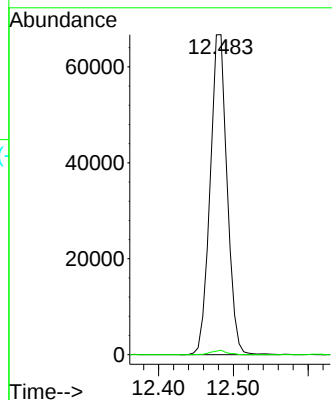
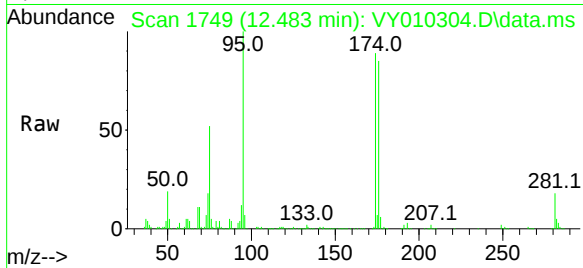




#76
1,2,3-Trichloropropane
Concen: 41.764 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 105252
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.125 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY010304.D
Acq: 03 Sep 2022 02:35

Tgt Ion: 75 Resp: 105252
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.4 37.0 55.4#

