

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010286.D
 Acq On : 02 Sep 2022 18:04
 Operator : KP/MD
 Sample : N4423-01
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 02 22:54:04 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)

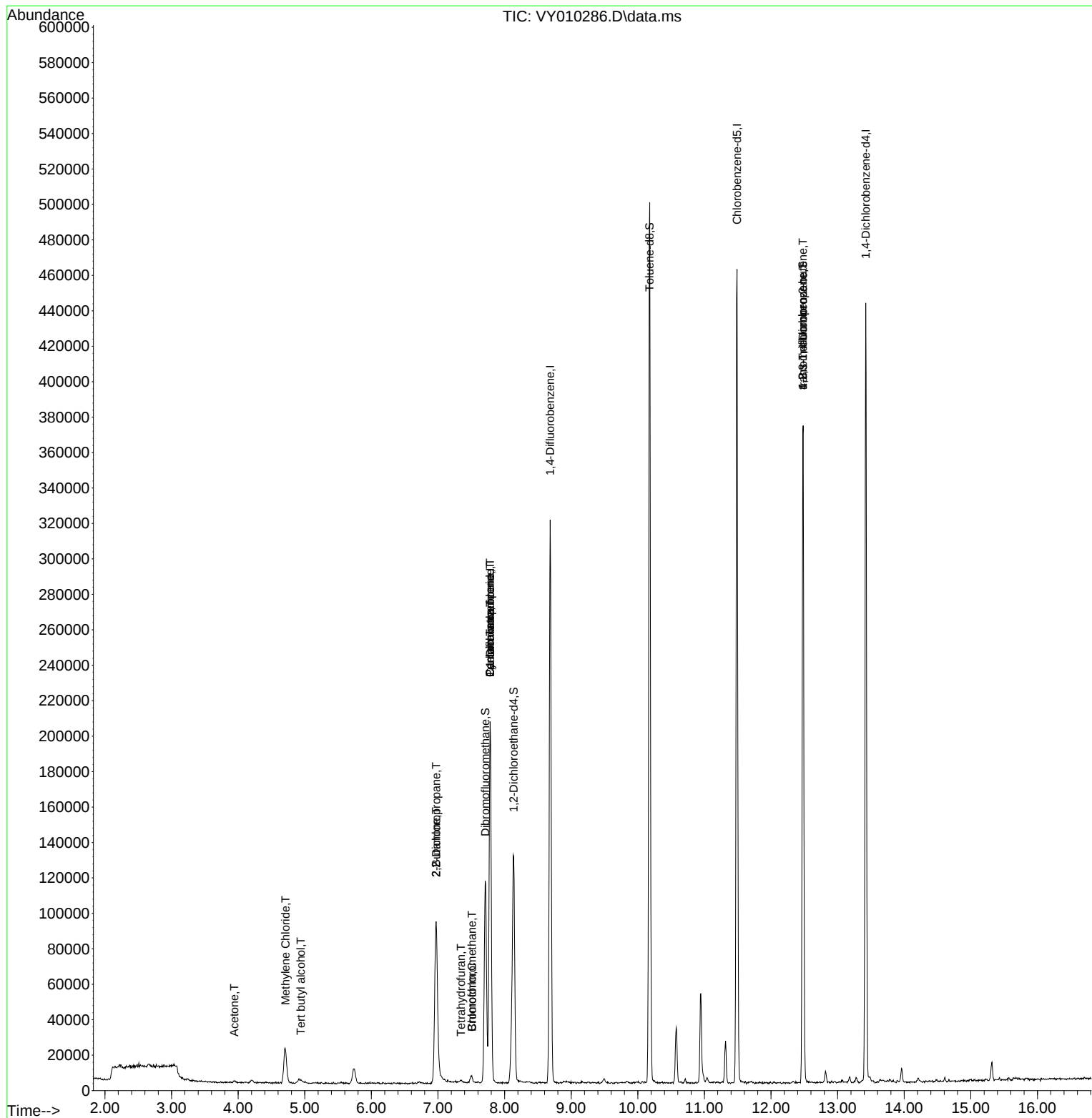
Internal Standards						
1) Pentafluorobenzene	7.783	168	161843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91591	55.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.380%
35) Dibromofluoromethane	7.710	113	83319	45.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.060%
50) Toluene-d8	10.179	98	327082	53.382	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.760%
62) 4-Bromofluorobenzene	12.477	95	114993	46.409	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	1052	Below Cal	#	45
11) Tert butyl alcohol	4.942	59	1479	7.450	ug/l #	80
16) Acetone	3.942	43	1429	3.445	ug/l #	76
20) Methylene Chloride	4.710	84	14558	7.272	ug/l #	83
25) 2-Butanone	6.972	43	5183	7.613	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	7064	2.336	ug/l #	56
28) Bromochloromethane	7.508	49	279	1.768	ug/l #	16
29) Tetrahydrofuran	7.344	42	1568	3.595	ug/l #	78
30) Chloroform	7.508	83	3761	1.150	ug/l #	75
31) Cyclohexane	7.783	56	3289	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	11871	4.421	ug/l #	51
38) Carbon Tetrachloride	7.783	117	15611	5.641	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	58833	43.501	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58833	90.748	ug/l #	7

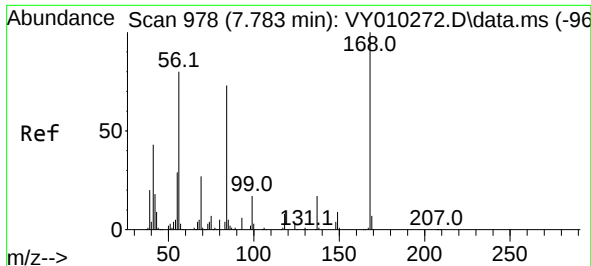
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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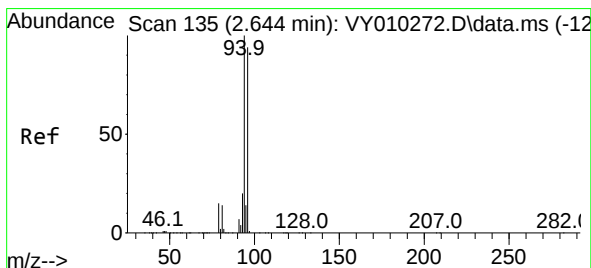
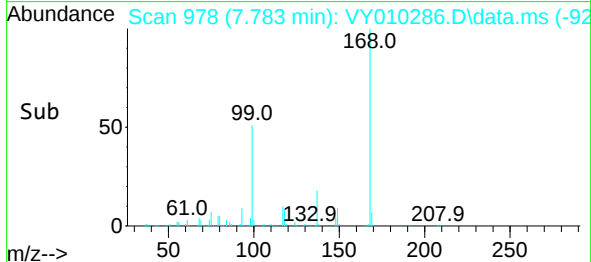
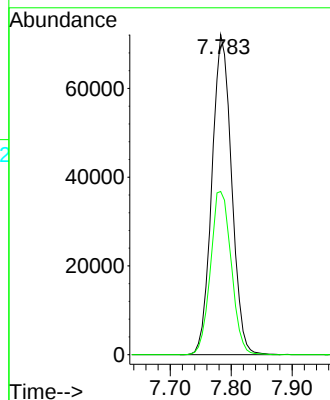
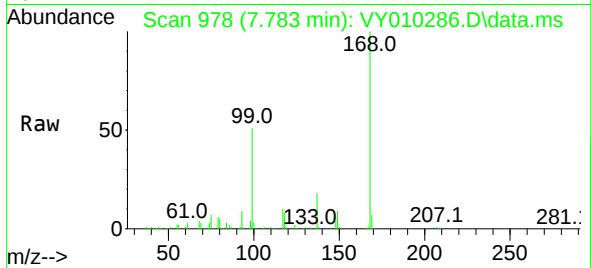




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

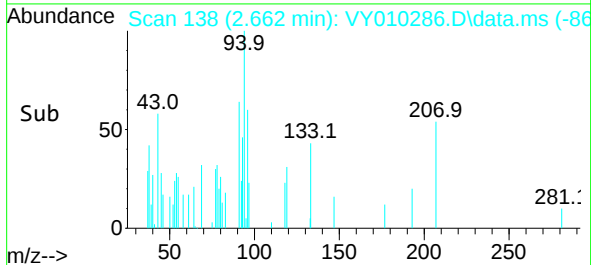
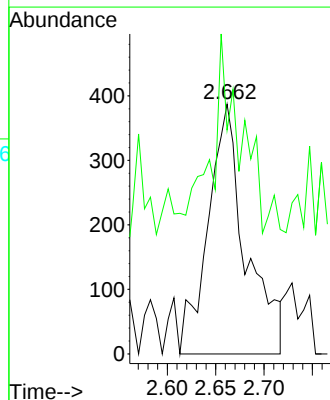
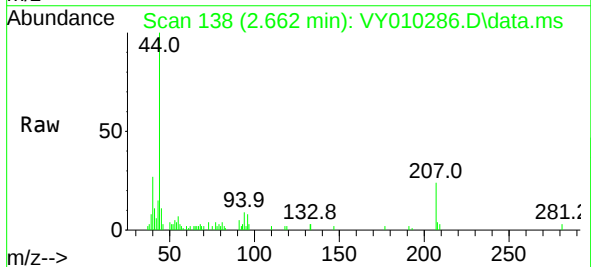
Instrument :
MSVOA_Y
ClientSampleId :

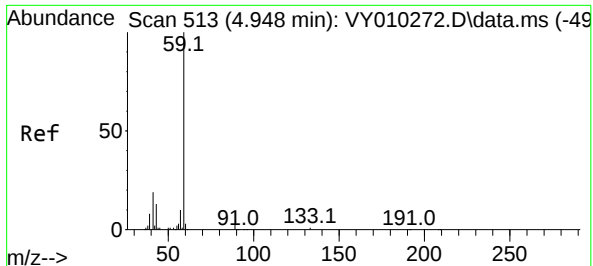
Tgt Ion:168 Resp: 161843
Ion Ratio Lower Upper
168 100
99 51.0 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion: 94 Resp: 1052
Ion Ratio Lower Upper
94 100
96 39.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: 7.450 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010286.D

Acq: 02 Sep 2022 18:04

Instrument :

MSVOA_Y

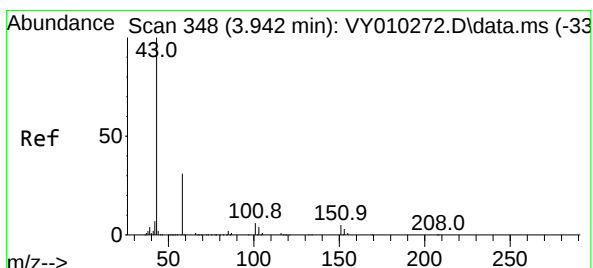
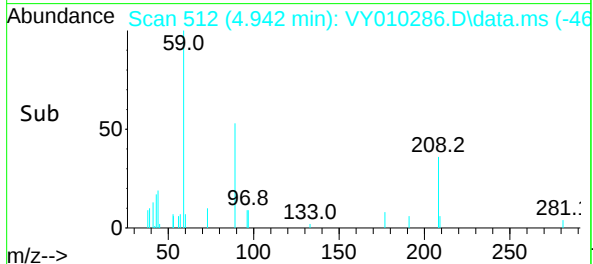
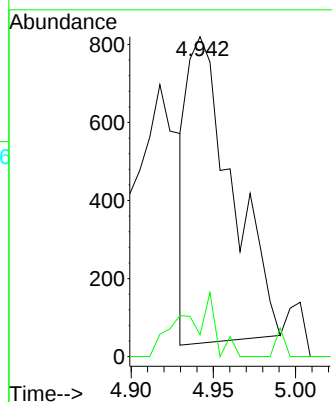
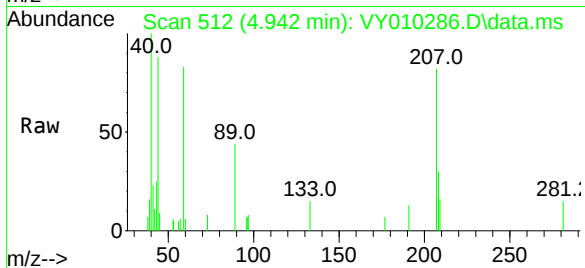
ClientSampleId :

Tgt Ion: 59 Resp: 1479

Ion Ratio Lower Upper

59 100

57 15.0 6.4 9.6#



#16

Acetone

Concen: 3.445 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010286.D

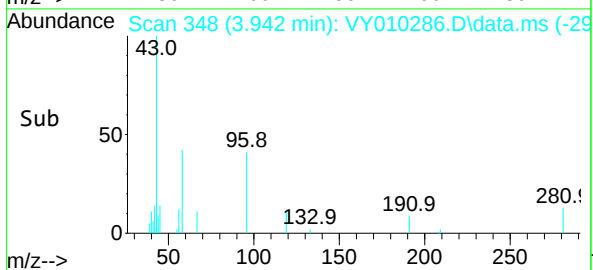
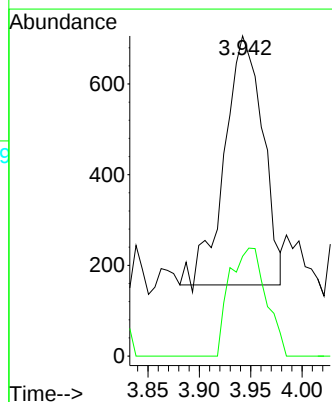
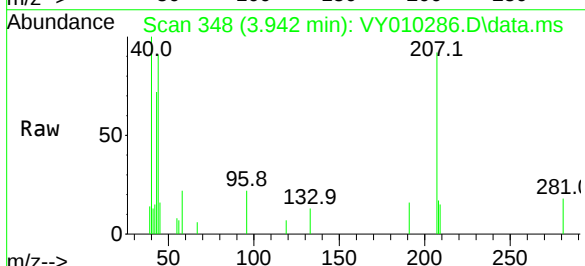
Acq: 02 Sep 2022 18:04

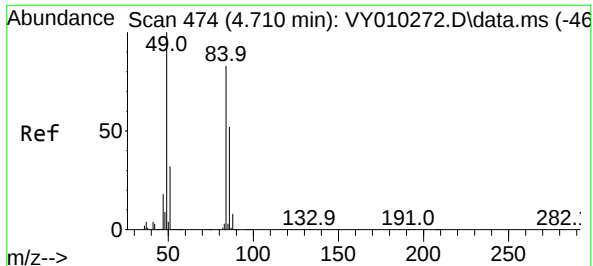
Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

43 100

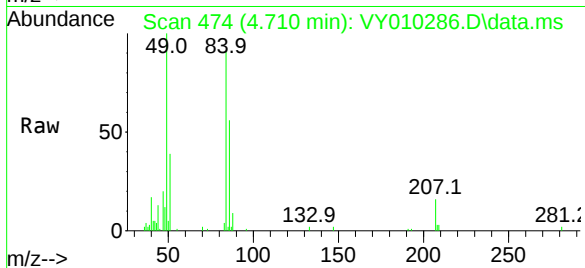
58 40.1 22.0 33.0#



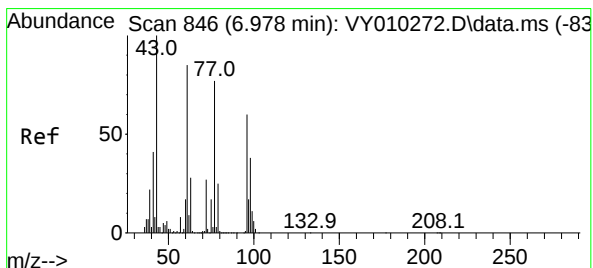
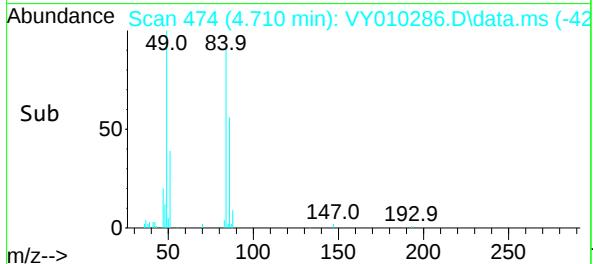
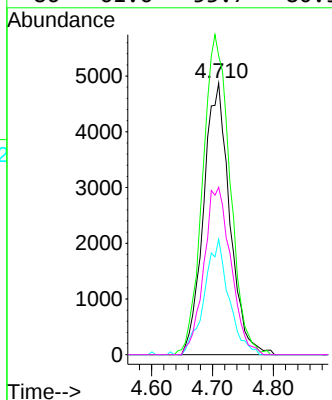


#20
Methylene Chloride
Concen: 7.272 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Instrument :
MSVOA_Y
ClientSampleId :

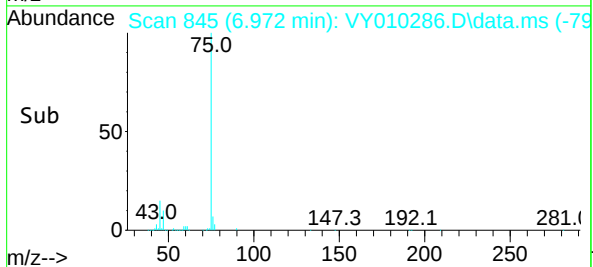
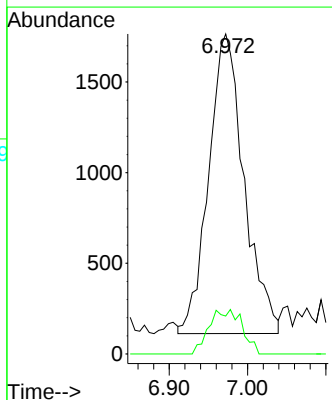
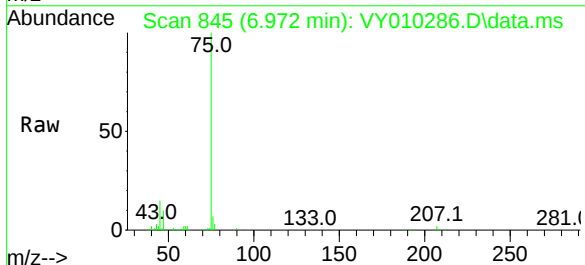


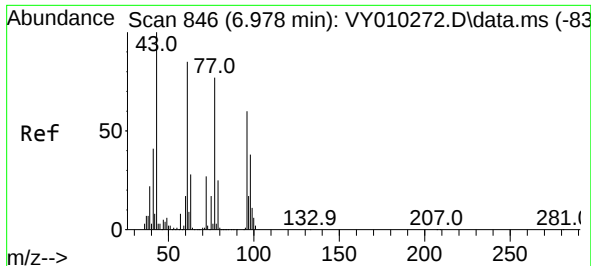
Tgt Ion: 84 Resp: 14558
Ion Ratio Lower Upper
84 100
49 110.1 114.4 171.6#
51 42.5 35.3 52.9
86 61.6 53.7 80.5



#25
2-Butanone
Concen: 7.613 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion: 43 Resp: 5183
Ion Ratio Lower Upper
43 100
72 13.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 2.336 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

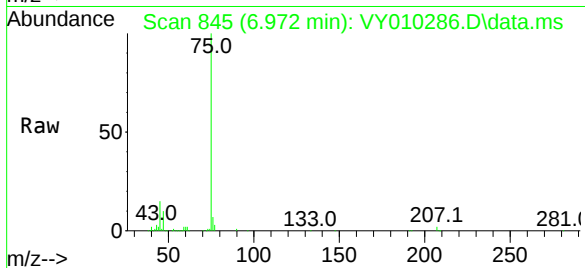
Lab File: VY010286.D

Acq: 02 Sep 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

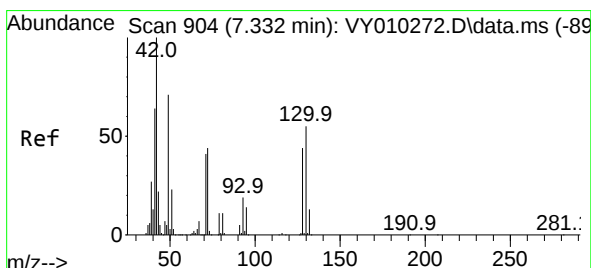
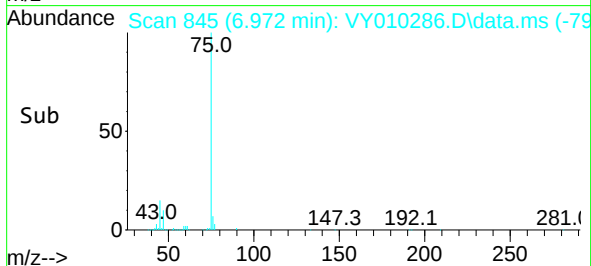
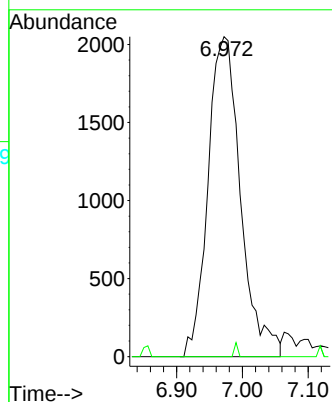


Tgt Ion: 77 Resp: 7064

Ion Ratio Lower Upper

77 100

97 0.5 10.4 31.4#



#28

Bromochloromethane

Concen: 1.768 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.176 min

Lab File: VY010286.D

Acq: 02 Sep 2022 18:04

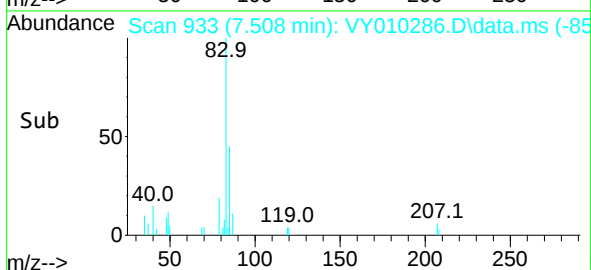
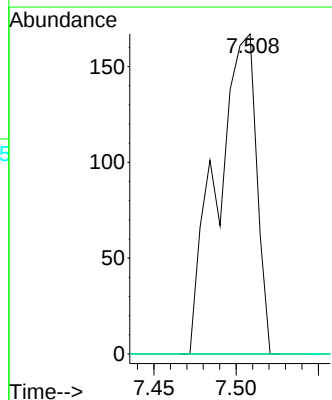
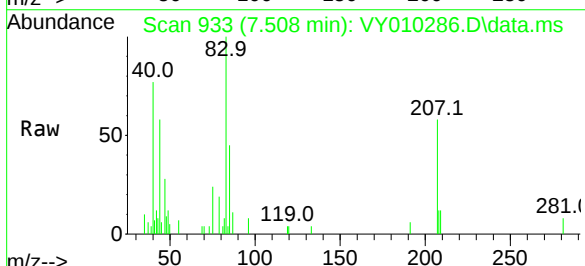
Tgt Ion: 49 Resp: 279

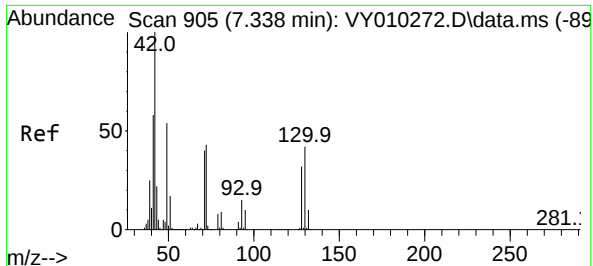
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 0.0 55.4 83.0#





#29

Tetrahydrofuran

Concen: 3.595 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

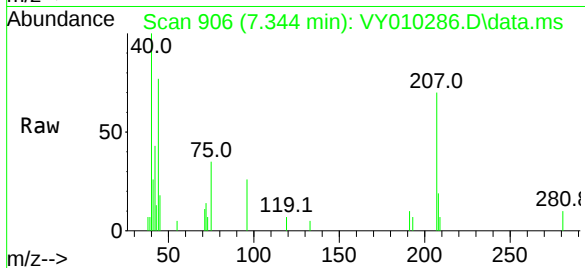
Lab File: VY010286.D

Acq: 02 Sep 2022 18:04

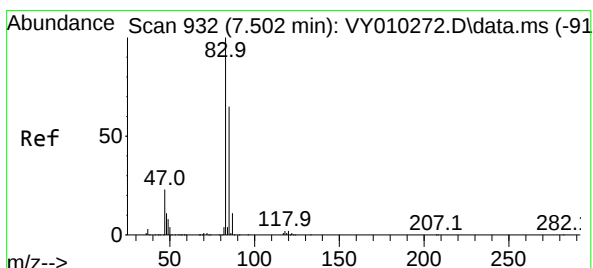
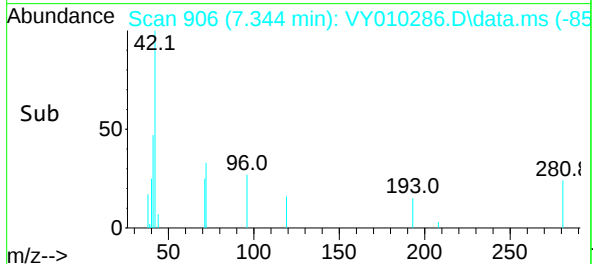
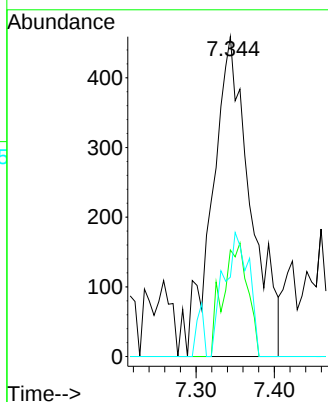
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1568
Ion Ratio	100	Lower	Upper
72	22.9	30.3	45.5#
71	25.1	29.0	43.4#



#30

Chloroform

Concen: 1.150 ug/l

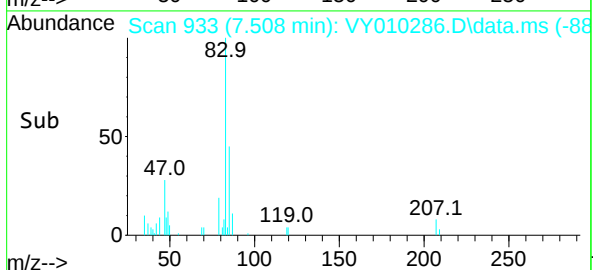
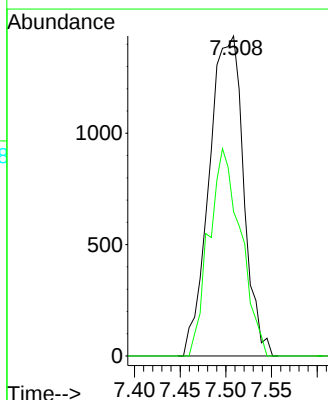
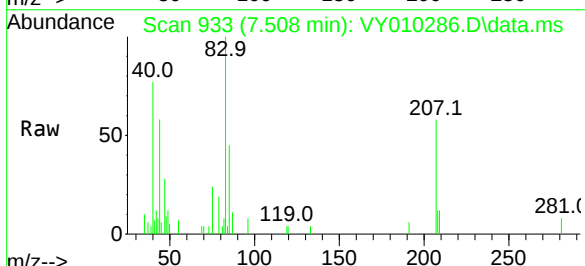
RT: 7.508 min Scan# 933

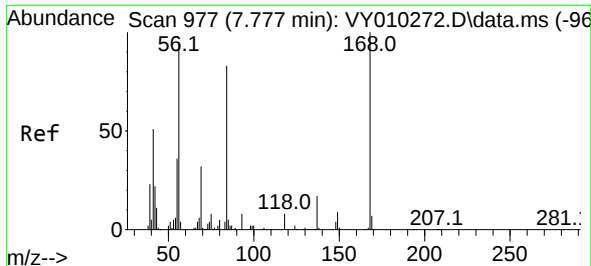
Delta R.T. 0.006 min

Lab File: VY010286.D

Acq: 02 Sep 2022 18:04

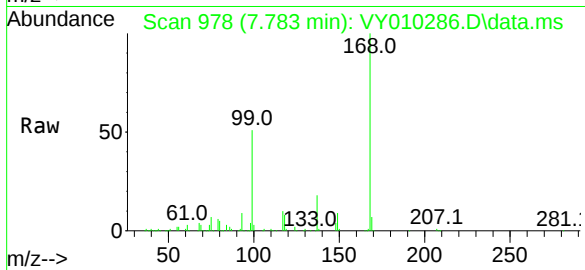
Tgt Ion:	83	Resp:	3761
Ion Ratio	100	Lower	Upper
85	45.1	51.8	77.6#



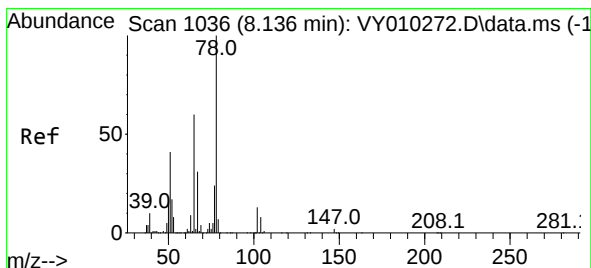
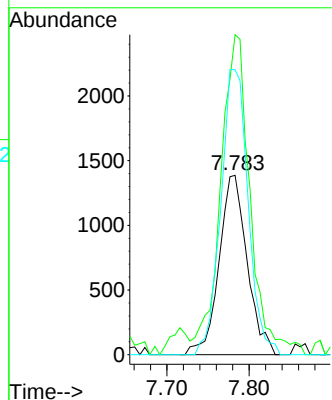
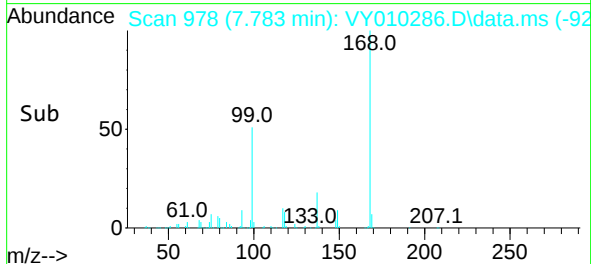


#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Instrument :
MSVOA_Y
ClientSampleId :

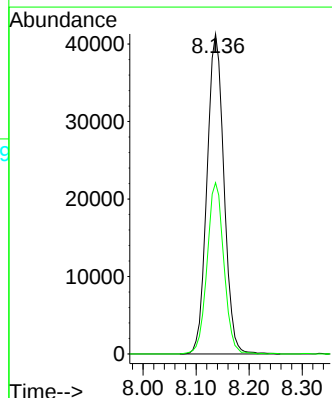
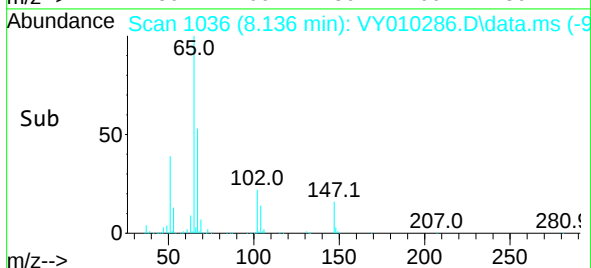
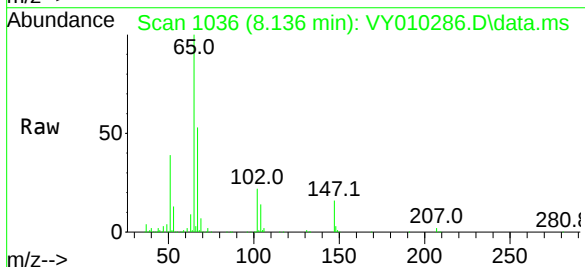


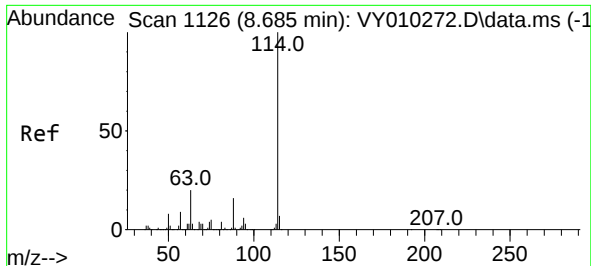
Tgt Ion: 56 Resp: 3289
Ion Ratio Lower Upper
56 100
69 169.7 26.7 40.1#
84 158.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.191 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion: 65 Resp: 91591
Ion Ratio Lower Upper
65 100
67 52.9 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: VY010286.D

Acq: 02 Sep 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

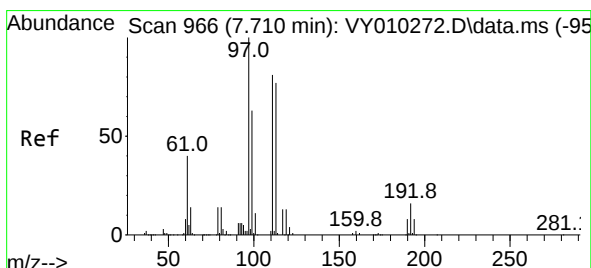
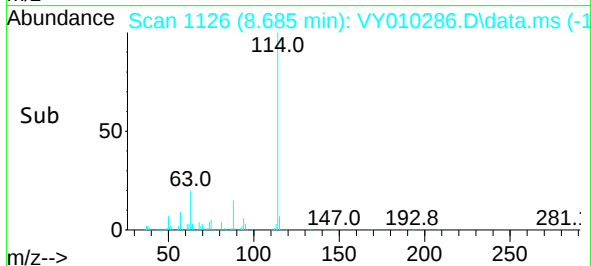
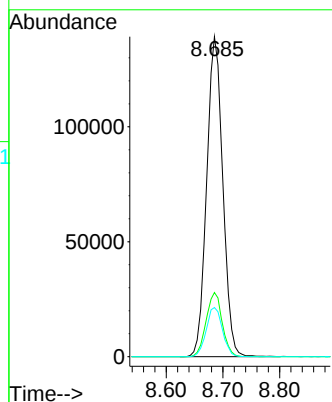
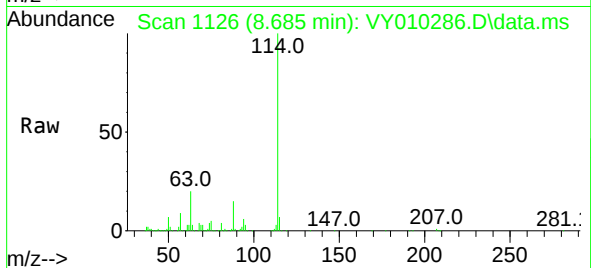
Tgt Ion:114 Resp: 274905

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.527 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010286.D

Acq: 02 Sep 2022 18:04

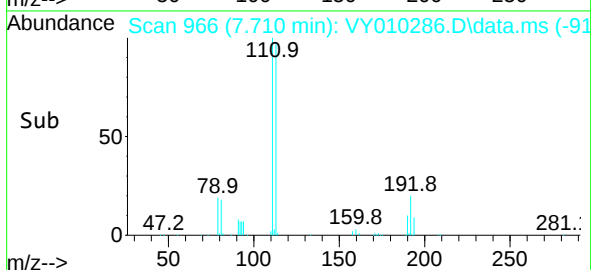
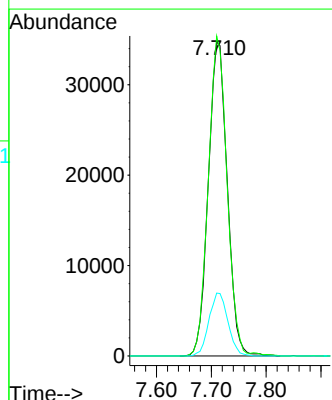
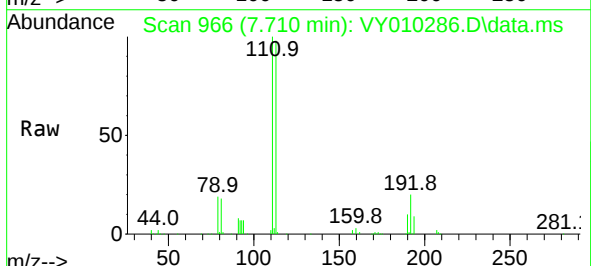
Tgt Ion:113 Resp: 83319

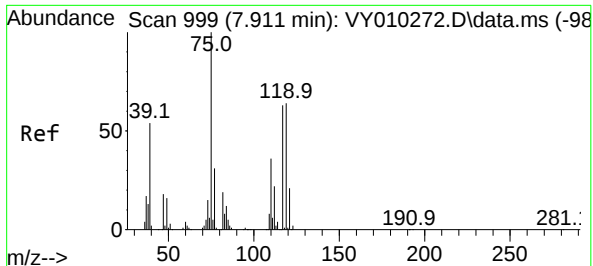
Ion Ratio Lower Upper

113 100

111 100.3 82.6 124.0

192 20.0 17.6 26.4

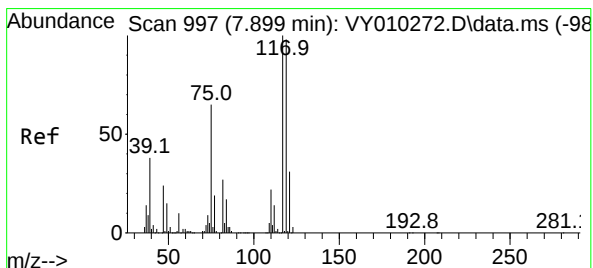
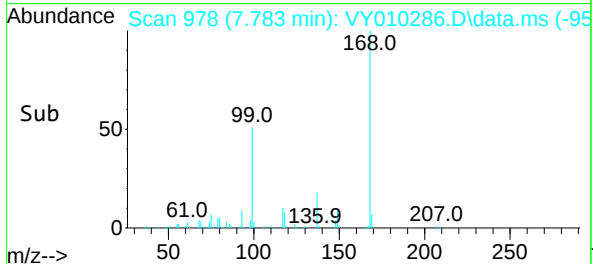
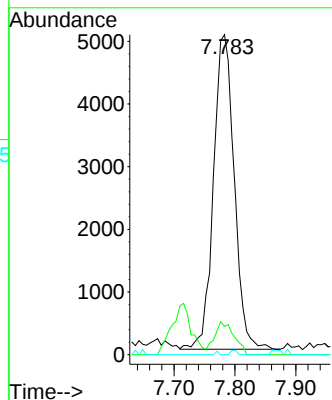
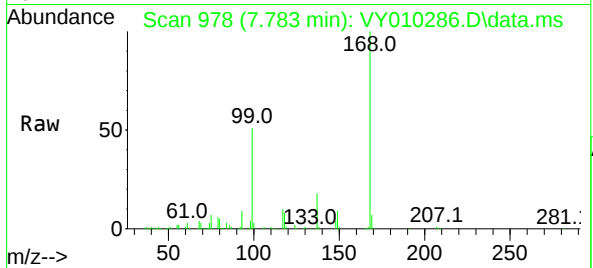




#36
1,1-Dichloropropene
Concen: 4.421 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

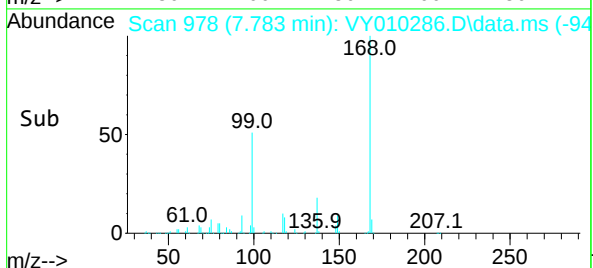
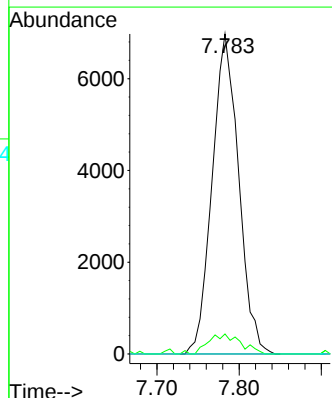
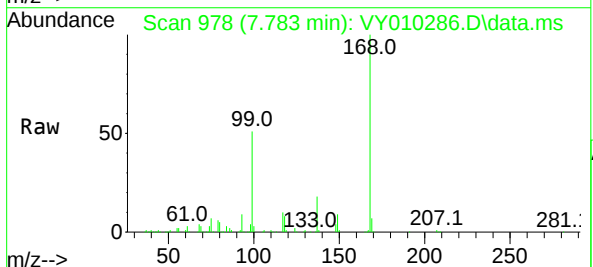
Instrument :
MSVOA_Y
ClientSampleId :

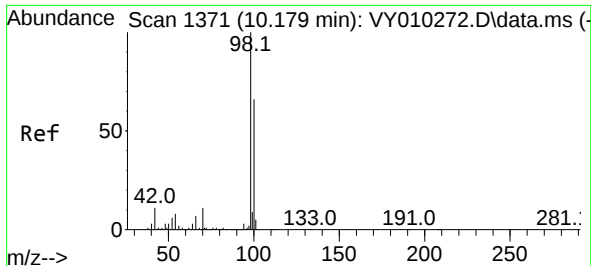
Tgt Ion: 75 Resp: 11871
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion: 117 Resp: 15611
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#

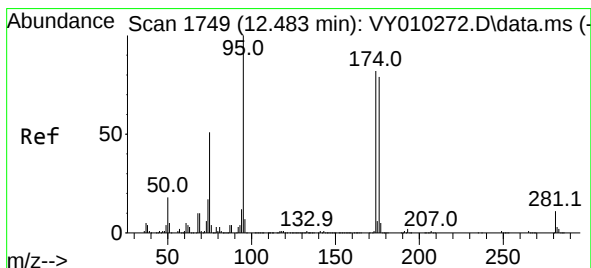
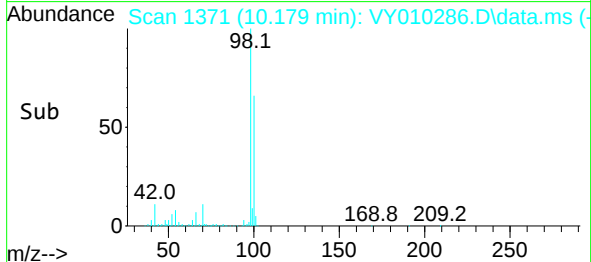
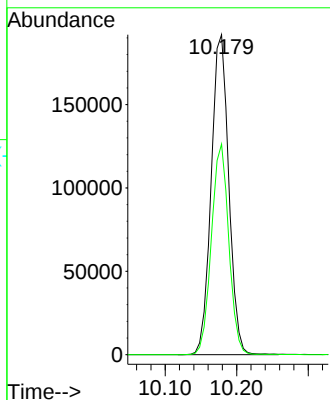
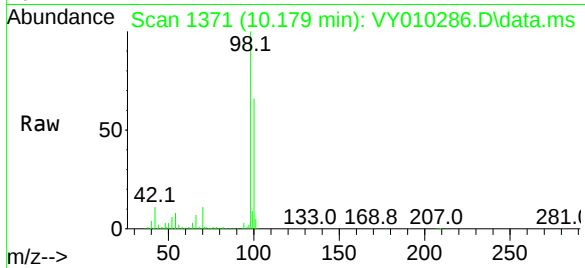




#50
Toluene-d8
Concen: 53.382 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

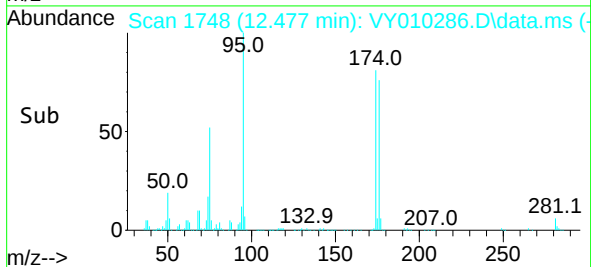
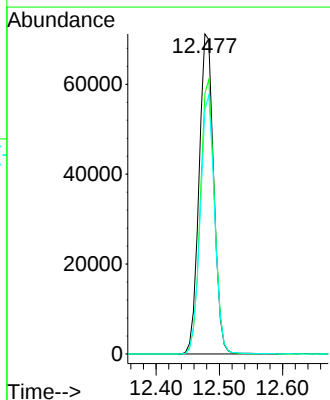
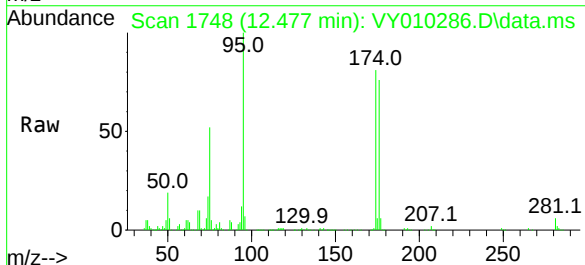
Instrument :
MSVOA_Y
ClientSampleId :

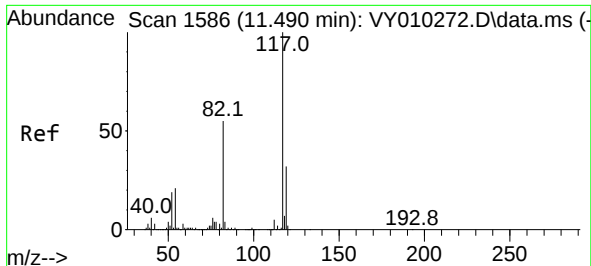
Tgt Ion: 98 Resp: 327082
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.409 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion: 95 Resp: 114993
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 79.0 0.0 175.8

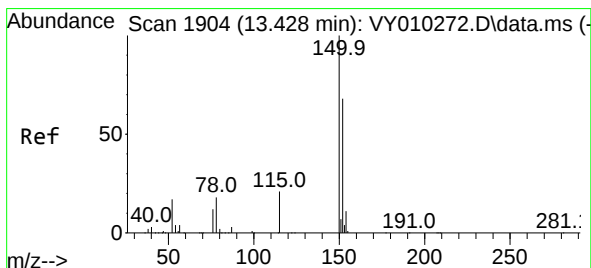
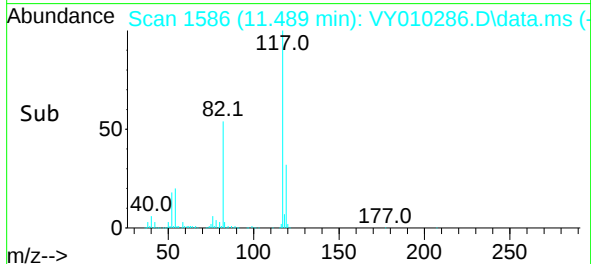
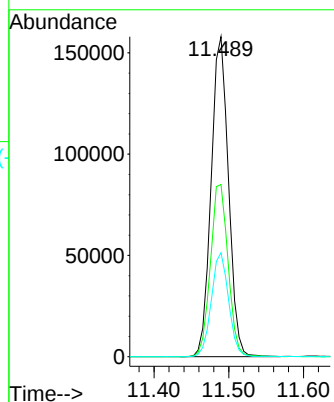
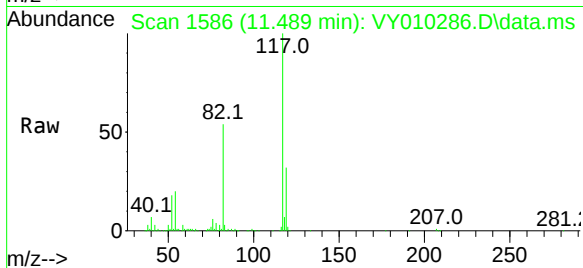




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

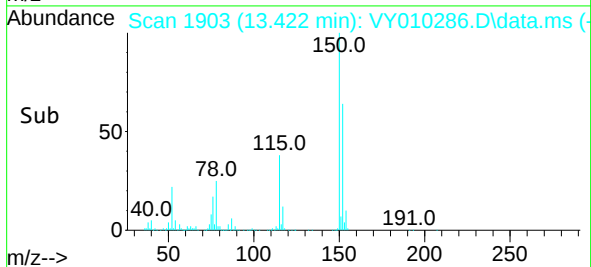
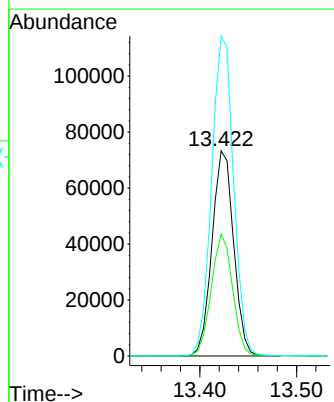
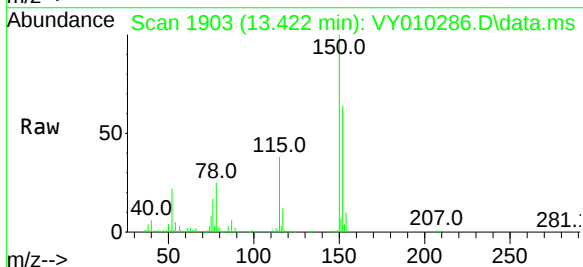
Instrument :
MSVOA_Y
ClientSampleId :

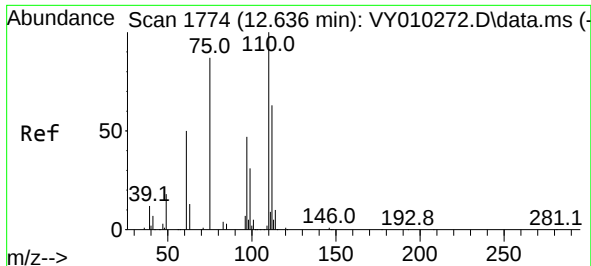
Tgt Ion:117 Resp: 254604
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion:152 Resp: 113647
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 158.6 0.0 347.6

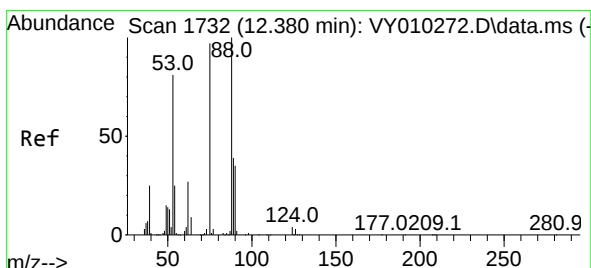
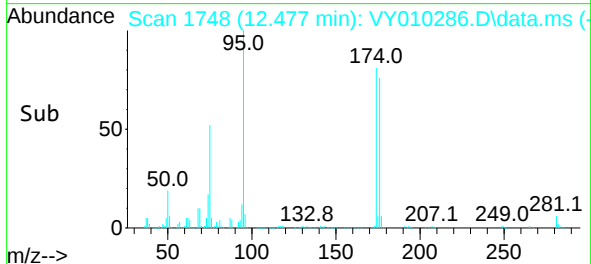
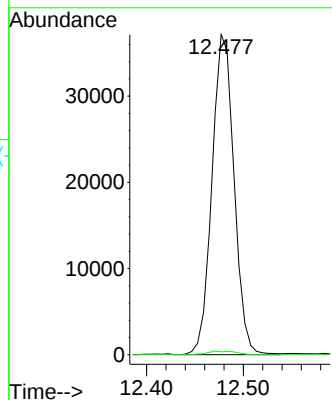
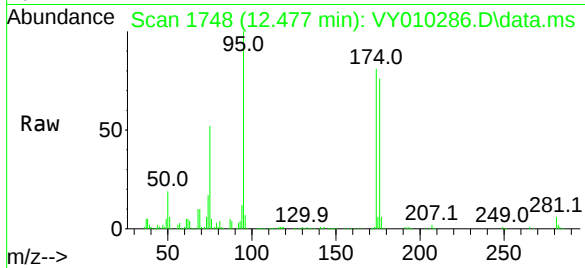




#76
1,2,3-Trichloropropane
Concen: 43.501 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 58833
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.748 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010286.D
Acq: 02 Sep 2022 18:04

Tgt Ion: 75 Resp: 58833
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

