

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010312.D
 Acq On : 03 Sep 2022 05:43
 Operator : KP/MD
 Sample : N4487-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 H-1

Quant Time: Sep 03 06:14:38 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)

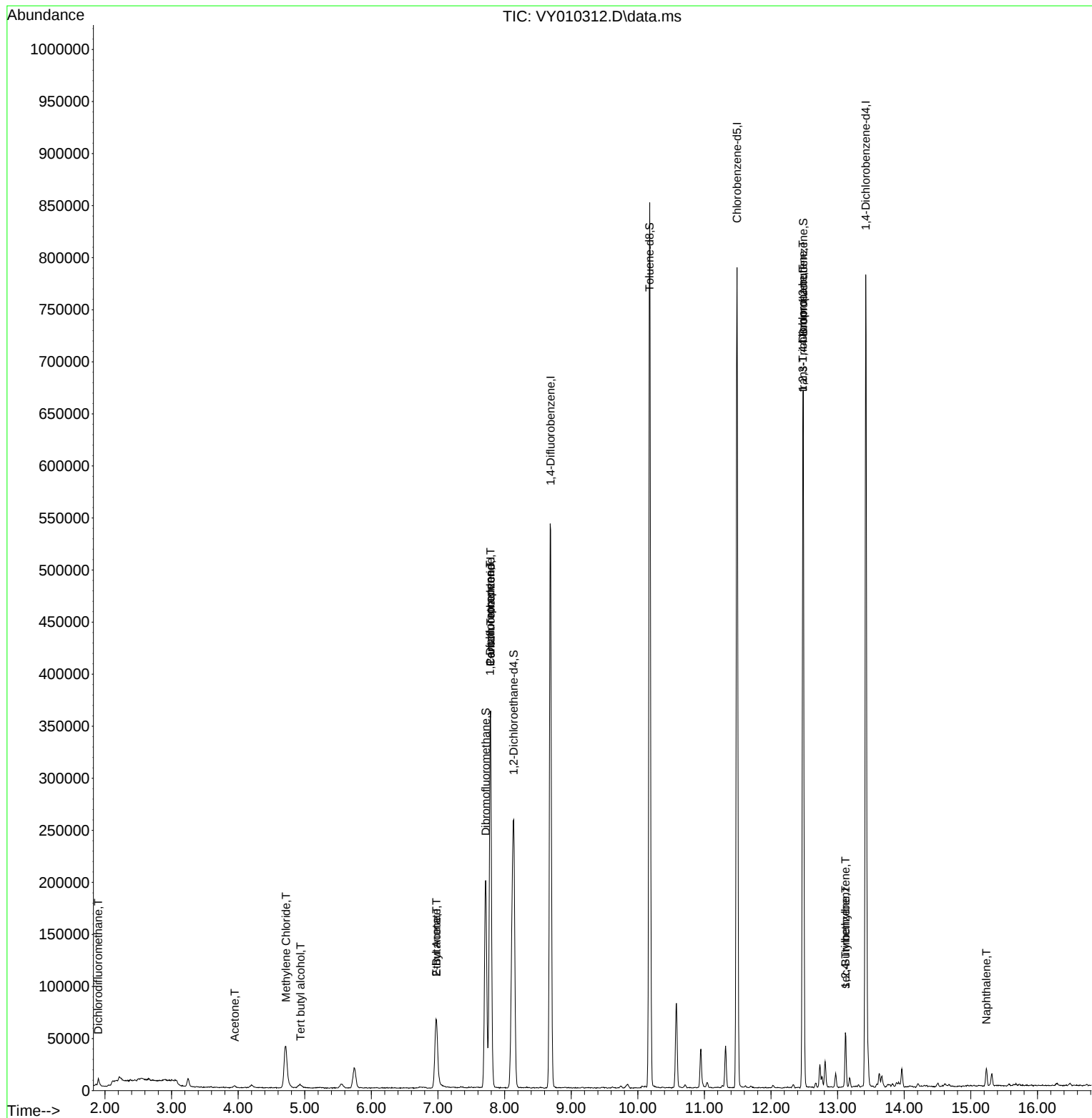
Internal Standards						
1) Pentafluorobenzene	7.789	168	288814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	478651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	439395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	201011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	155480	52.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.000%
35) Dibromofluoromethane	7.716	113	143751	45.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.220%
50) Toluene-d8	10.179	98	560963	52.582	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.160%
62) 4-Bromofluorobenzene	12.483	95	196582	45.435	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.860%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	5300	2.299	ug/l	93
5) Bromomethane	2.662	94	465	Below Cal	#	12
11) Tert butyl alcohol	4.936	59	4010	11.318	ug/l #	87
16) Acetone	3.948	43	3456	4.668	ug/l	89
20) Methylene Chloride	4.716	84	30972	8.669	ug/l	86
25) 2-Butanone	6.978	43	4010	3.300	ug/l #	83
36) 1,1-Dichloropropene	7.783	75	20476	4.380	ug/l #	51
37) Ethyl Acetate	6.978	43	4010	1.496	ug/l #	1
38) Carbon Tetrachloride	7.789	117	27181	5.641	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	100838	42.154	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	100838	87.939	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	27670	2.097	ug/l	99
85) sec-Butylbenzene	13.117	105	27670	1.603	ug/l #	56
95) Naphthalene	15.233	128	13970	1.723	ug/l	98

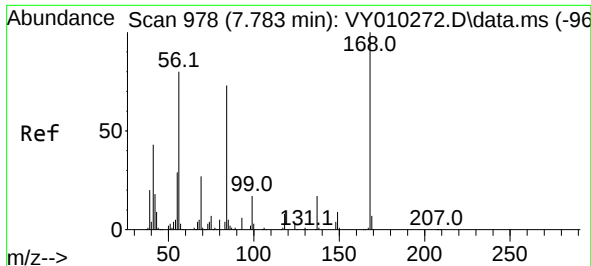
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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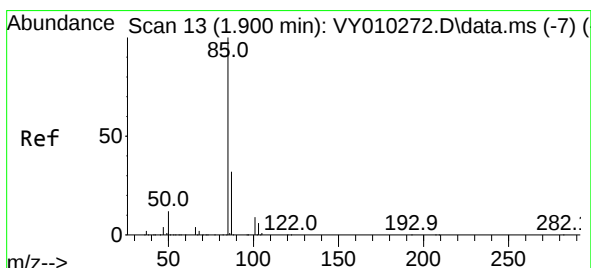
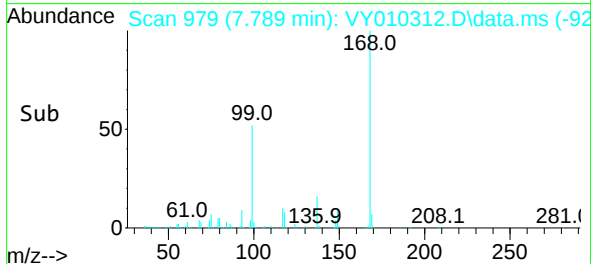
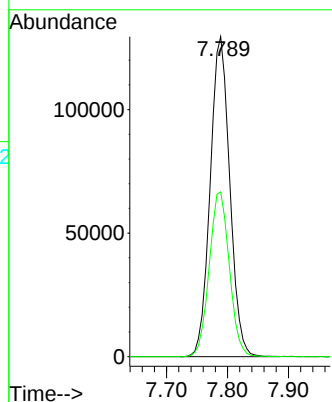
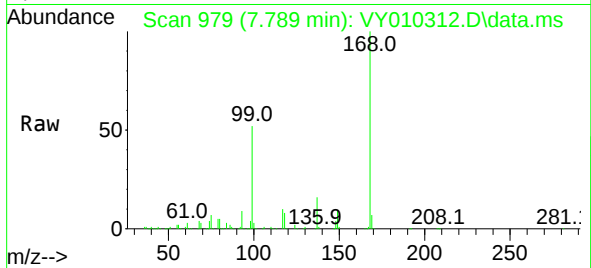




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

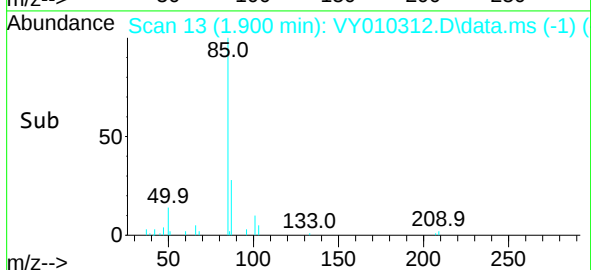
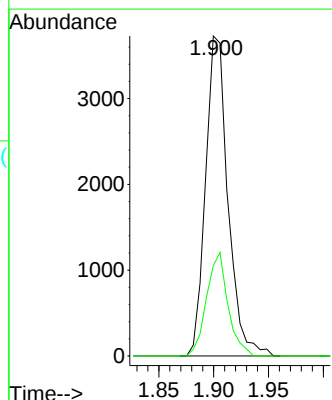
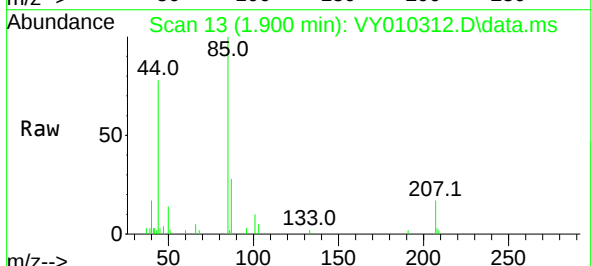
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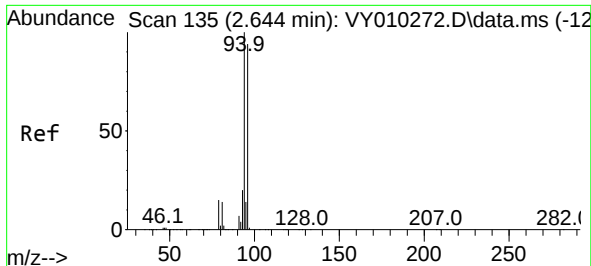
Tgt Ion:168 Resp: 288814
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 2.299 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 85 Resp: 5300
Ion Ratio Lower Upper
85 100
87 28.2 16.1 48.2

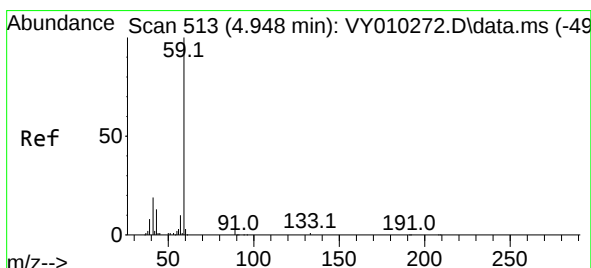
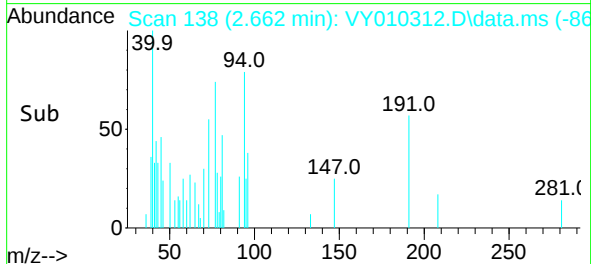
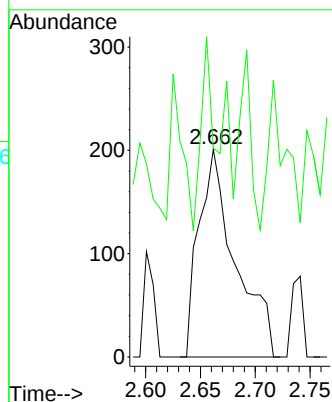
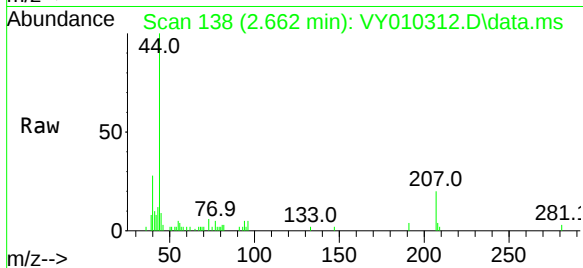




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

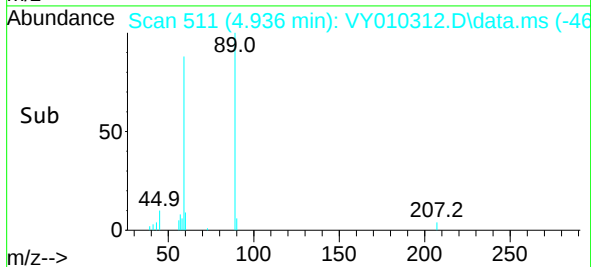
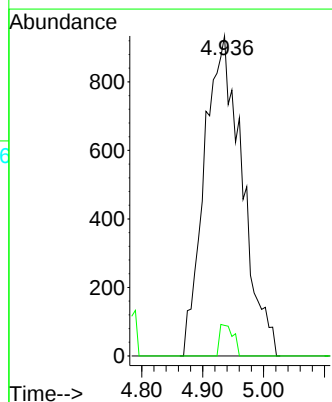
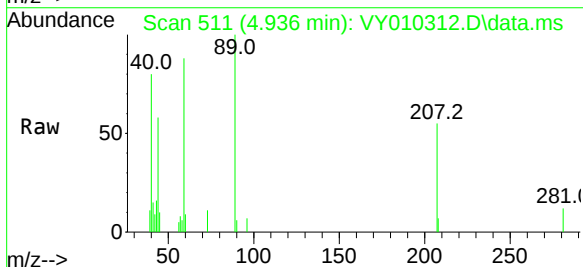
Instrument :
MSVOA_Y
ClientSampleId :
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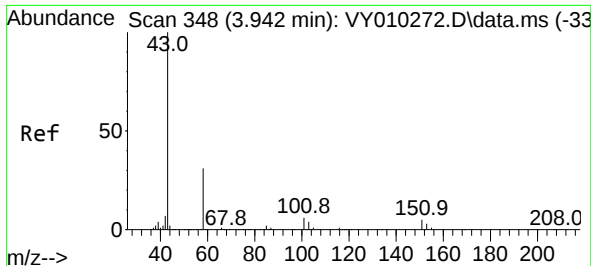
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 8.5 73.5 110.3#



#11
Tert butyl alcohol
Concen: 11.318 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 59 Resp: 4010
Ion Ratio Lower Upper
59 100
57 3.6 6.4 9.6#

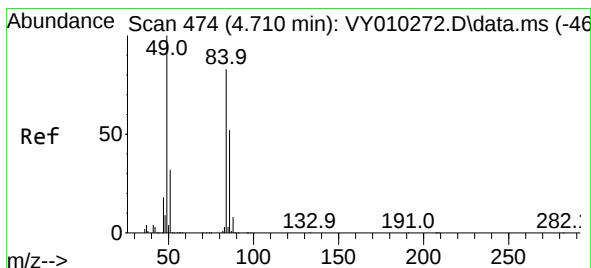
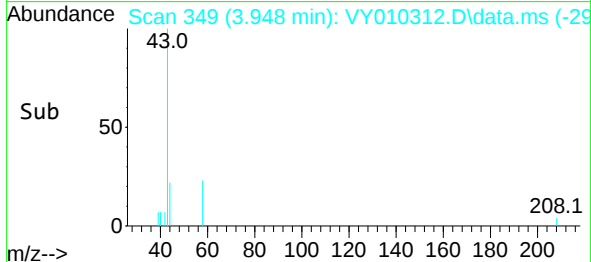
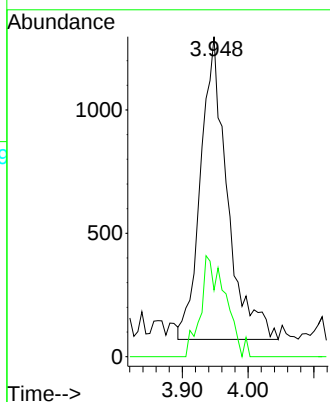
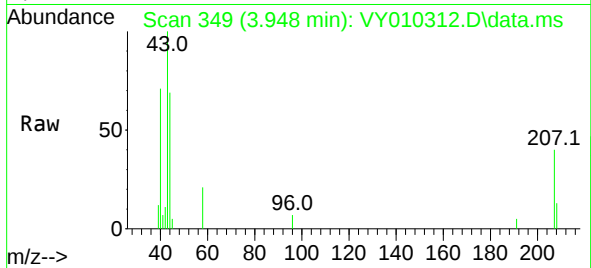




#16
Acetone
Concen: 4.668 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

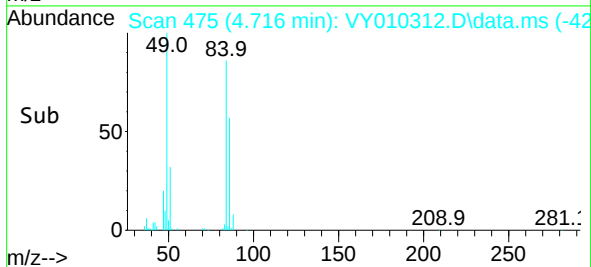
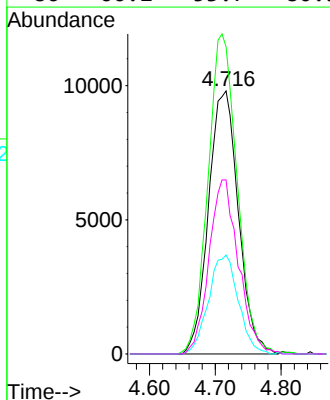
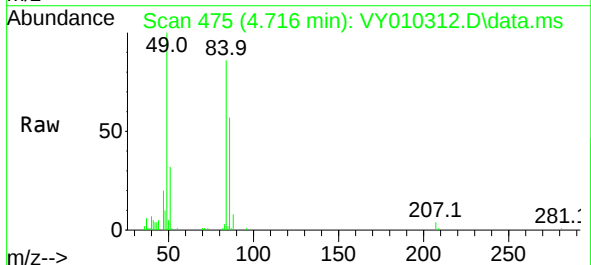
Instrument :
MSVOA_Y
ClientSampleId :
H-1

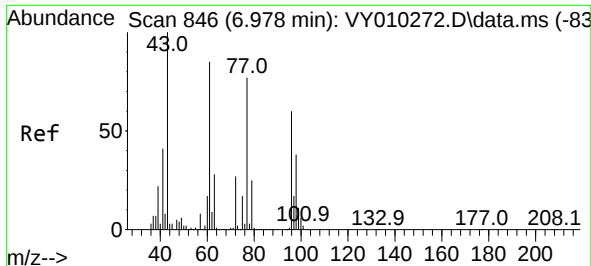
Tgt Ion: 43 Resp: 3456
Ion Ratio Lower Upper
43 100
58 22.0 22.0 33.0



#20
Methylene Chloride
Concen: 8.669 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 84 Resp: 30972
Ion Ratio Lower Upper
84 100
49 116.8 114.4 171.6
51 37.6 35.3 52.9
86 66.2 53.7 80.5

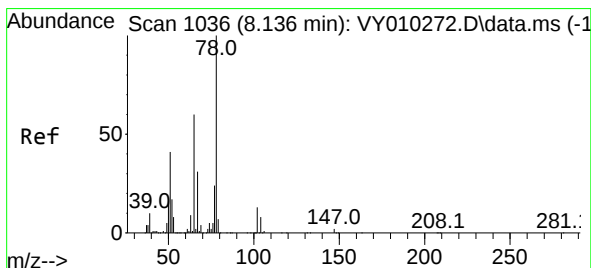
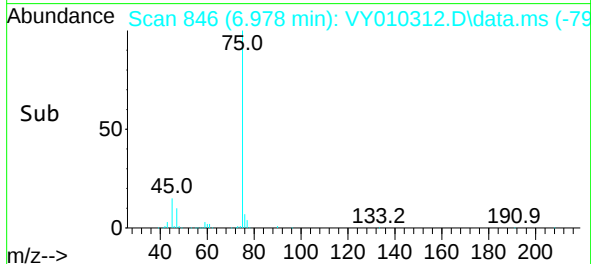
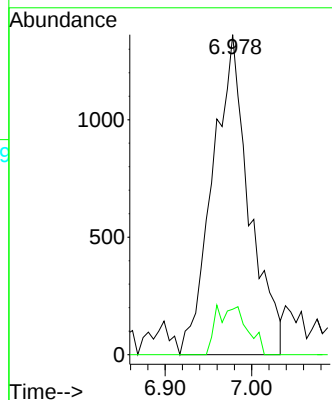
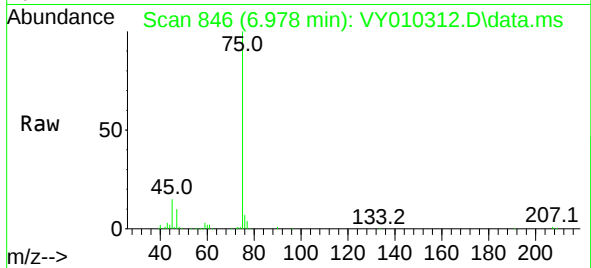




#25
2-Butanone
Concen: 3.300 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

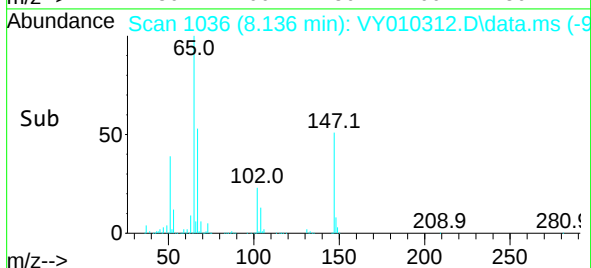
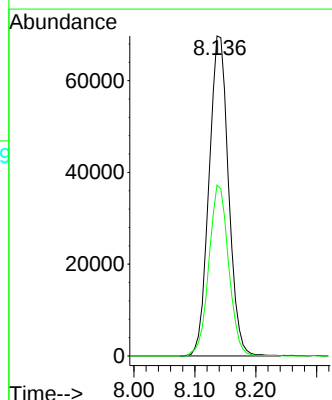
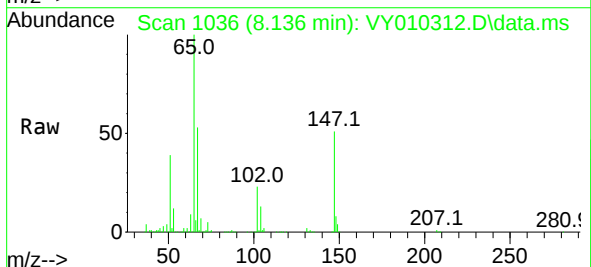
Instrument :
MSVOA_Y
ClientSampleId :
H-1

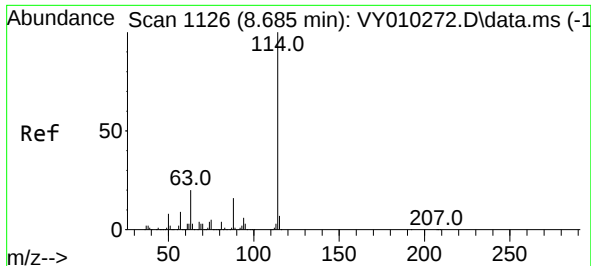
Tgt Ion: 43 Resp: 4010
Ion Ratio Lower Upper
43 100
72 14.2 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 52.501 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 65 Resp: 155480
Ion Ratio Lower Upper
65 100
67 53.8 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: VY010312.D

Acq: 03 Sep 2022 05:43

Instrument :

MSVOA_Y

ClientSampleId :

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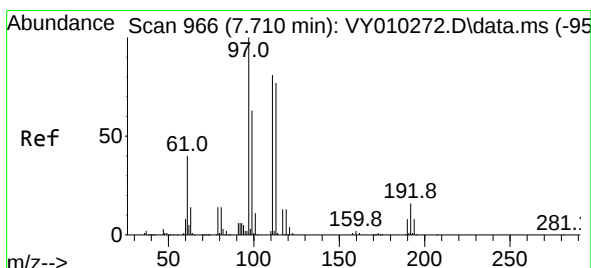
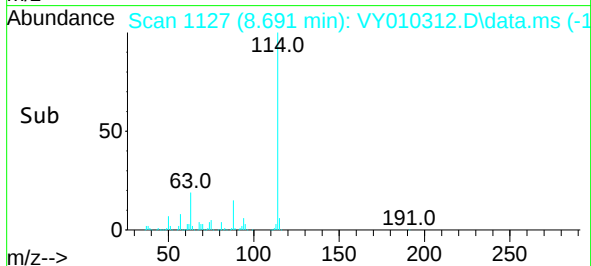
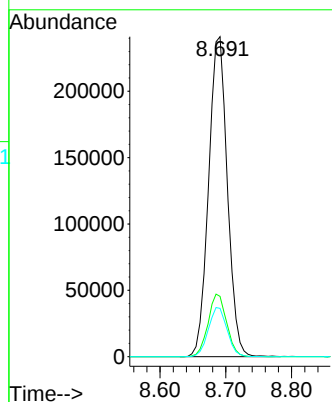
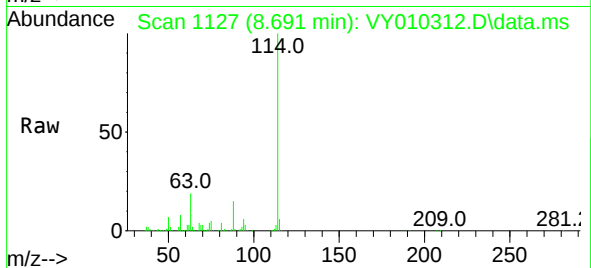
Tgt Ion:114 Resp: 478651

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.113 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010312.D

Acq: 03 Sep 2022 05:43

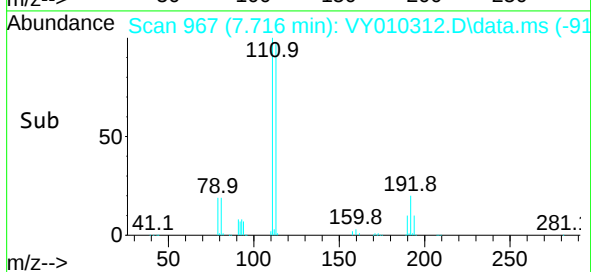
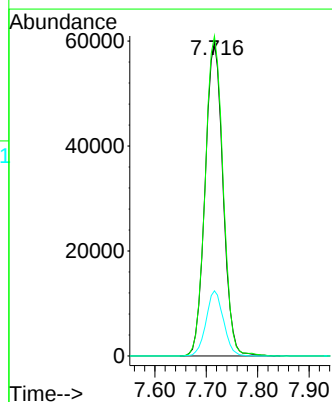
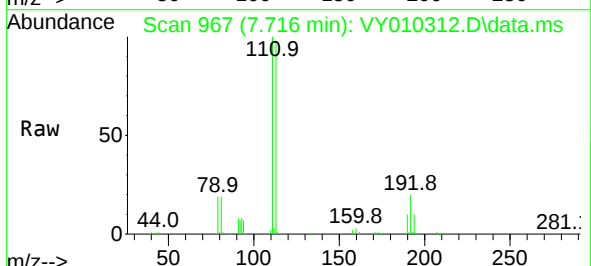
Tgt Ion:113 Resp: 143751

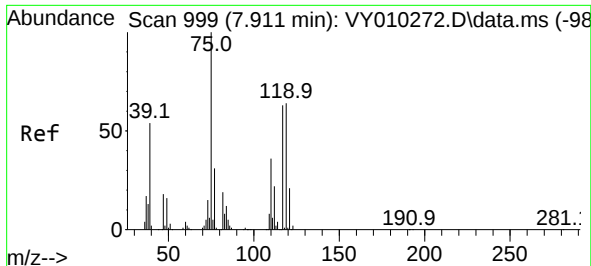
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 20.3 17.6 26.4

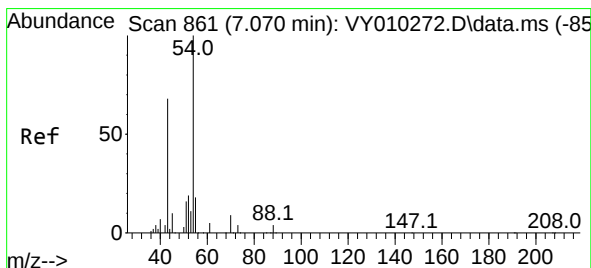
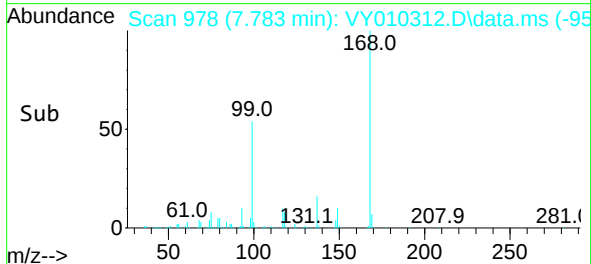
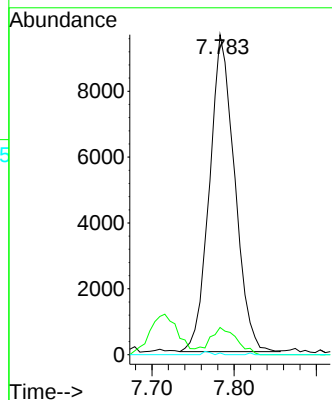
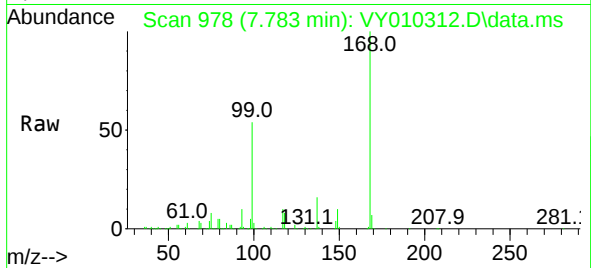




#36
1,1-Dichloropropene
Concen: 4.380 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

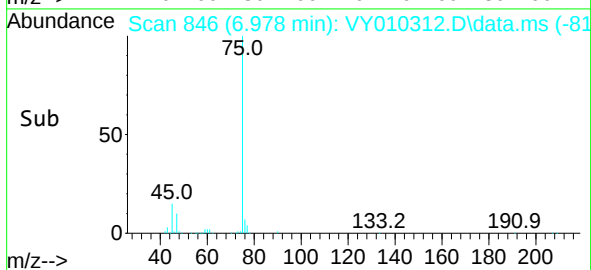
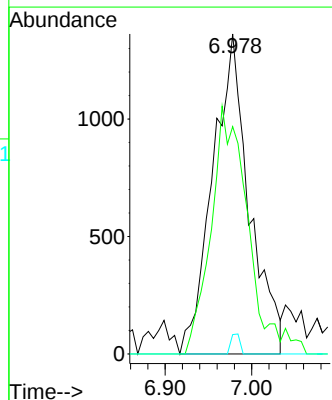
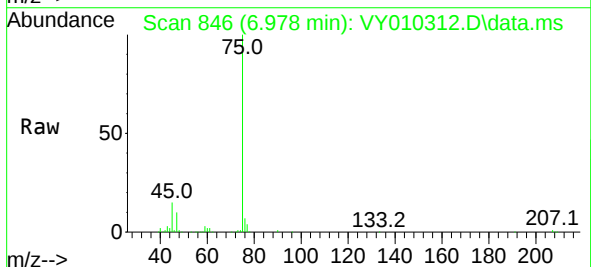
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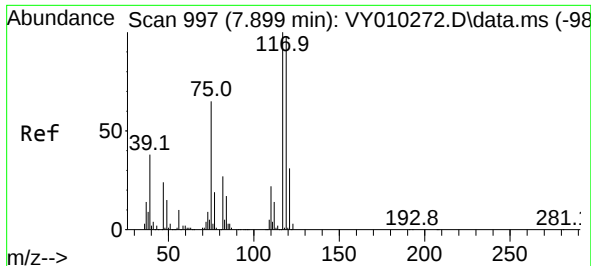
Tgt Ion: 75 Resp: 20476
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.4 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.496 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 43 Resp: 4010
Ion Ratio Lower Upper
43 100
61 77.9 9.7 14.5#
70 1.5 7.1 10.7#

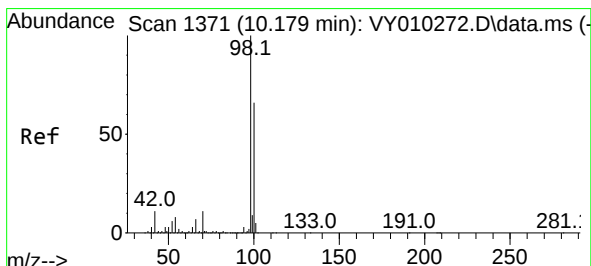
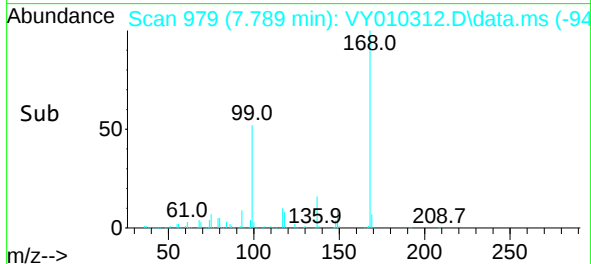
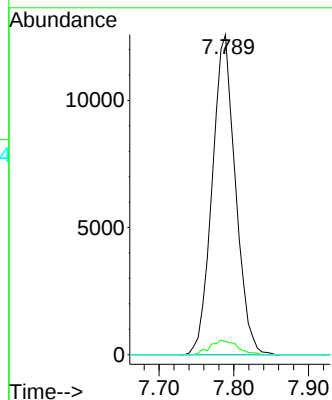
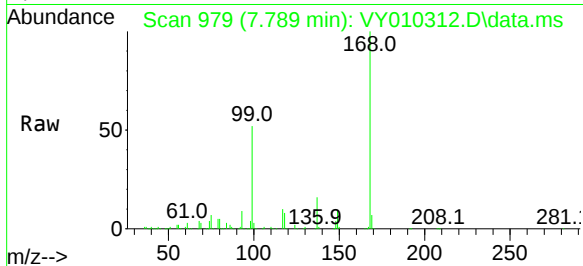




#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

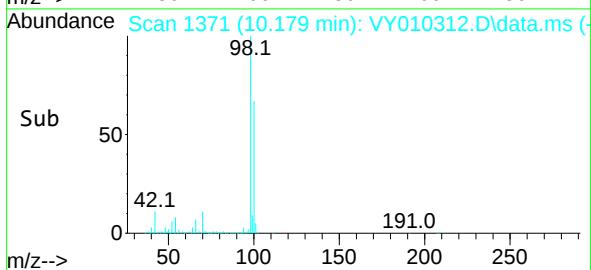
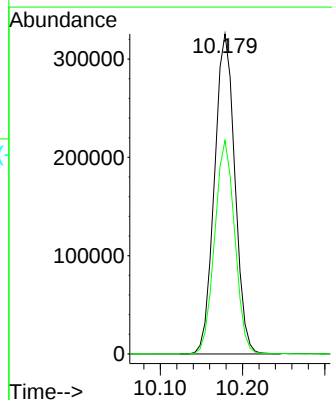
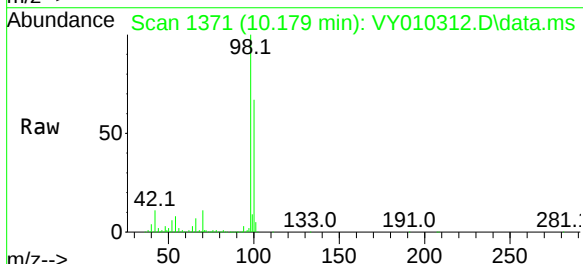
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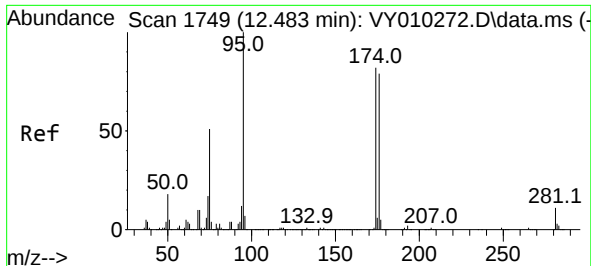
Tgt Ion:117 Resp: 27181
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.582 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 98 Resp: 560963
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

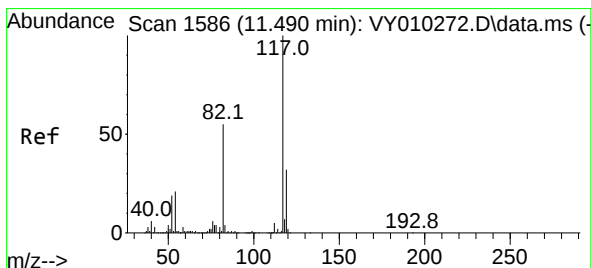
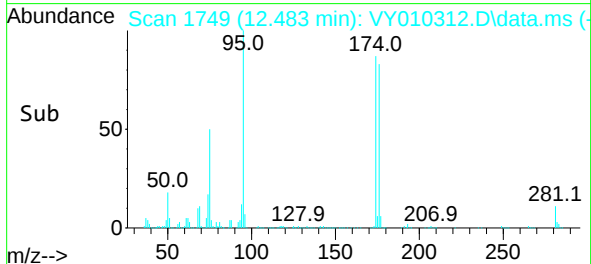
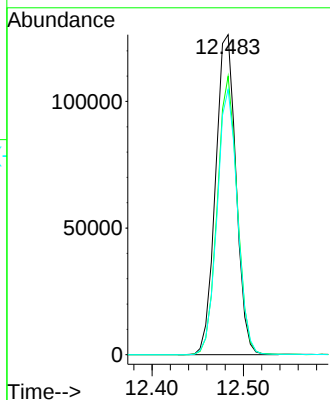
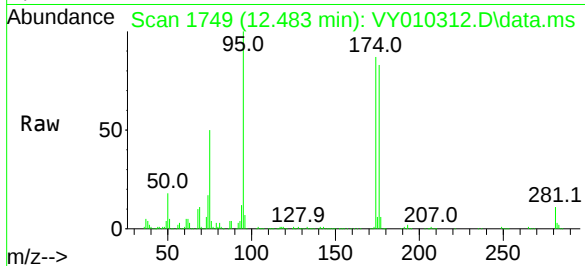




#62
4-Bromofluorobenzene
Concen: 45.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

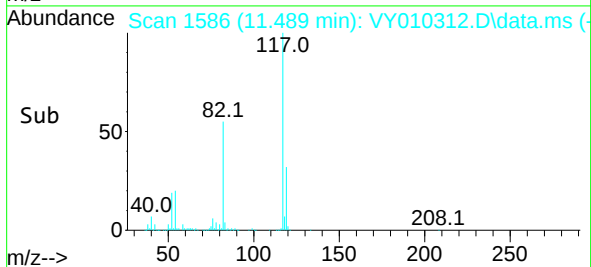
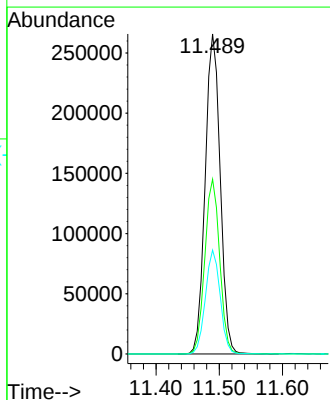
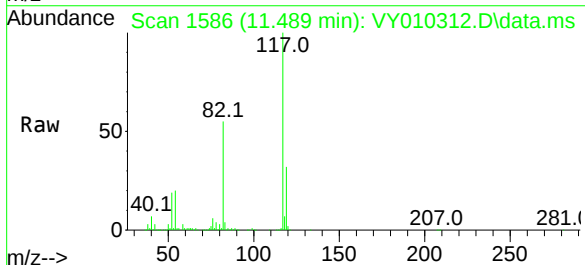
Instrument :
MSVOA_Y
ClientSampleId :
H-1

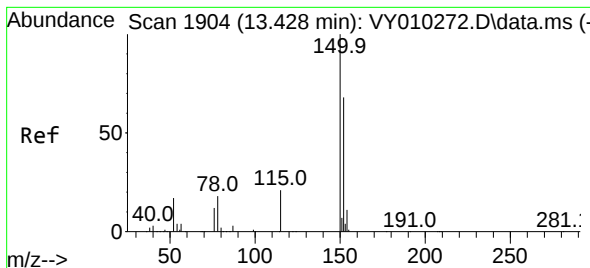
Tgt Ion: 95 Resp: 196582
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 117 Resp: 439395
Ion Ratio Lower Upper
117 100
82 54.6 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# 1904

Delta R.T. -0.006 min

Lab File: VY010312.D

Acq: 03 Sep 2022 05:43

Instrument :

MSVOA_Y

ClientSampleId :

H-1

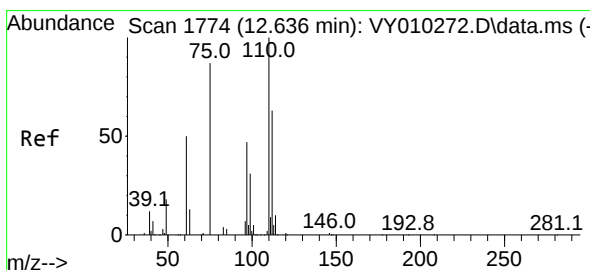
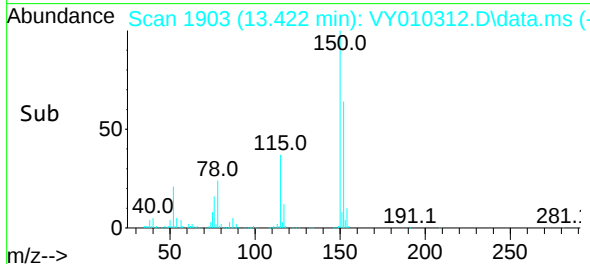
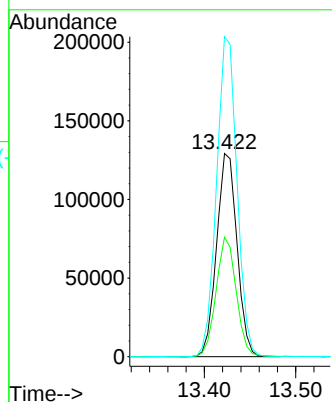
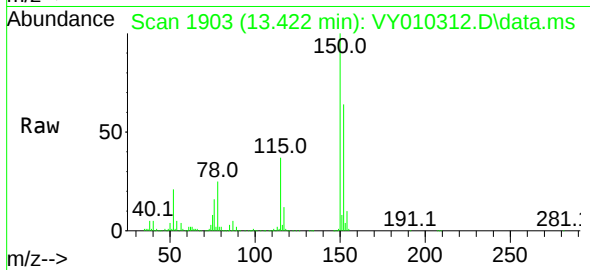
Tgt Ion:152 Resp: 201011

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 157.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 42.154 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY010312.D

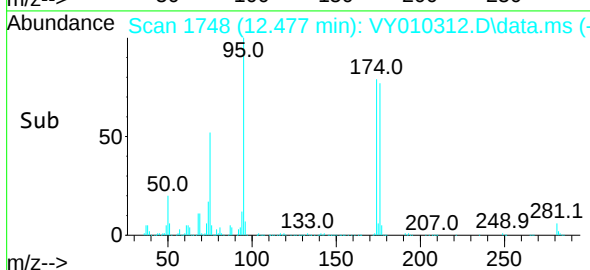
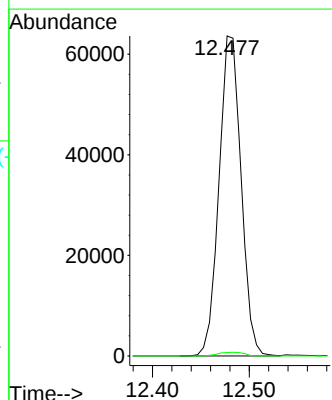
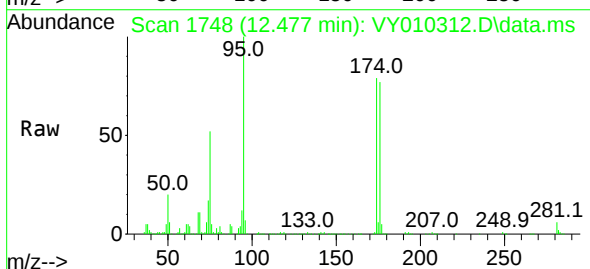
Acq: 03 Sep 2022 05:43

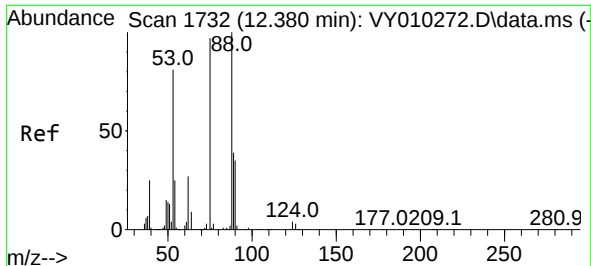
Tgt Ion: 75 Resp: 100838

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

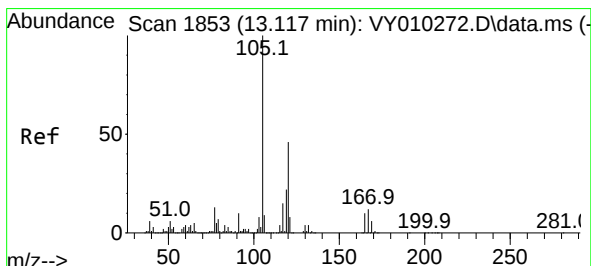
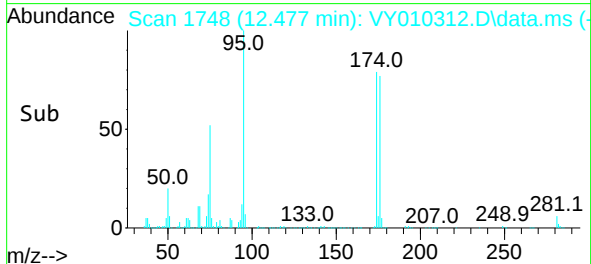
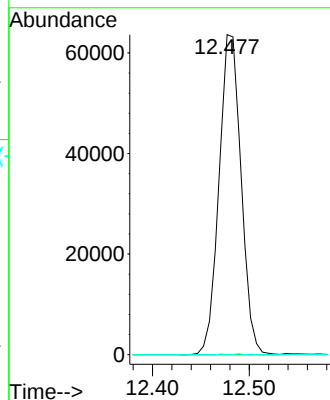
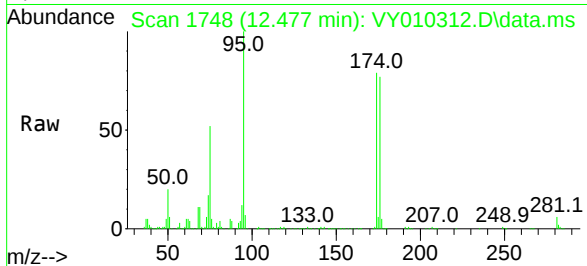




#81
trans-1,4-Dichloro-2-butene
Concen: 87.939 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.097 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

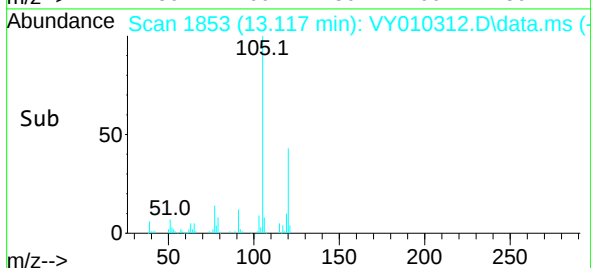
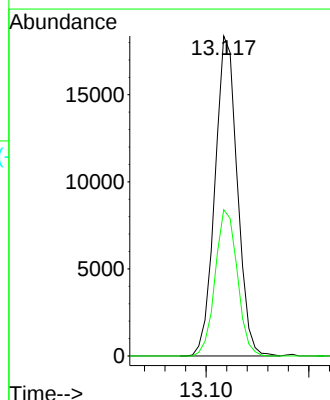
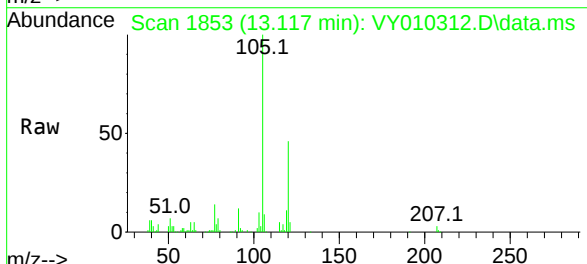
Instrument :
MSVOA_Y
ClientSampleId :
H-1

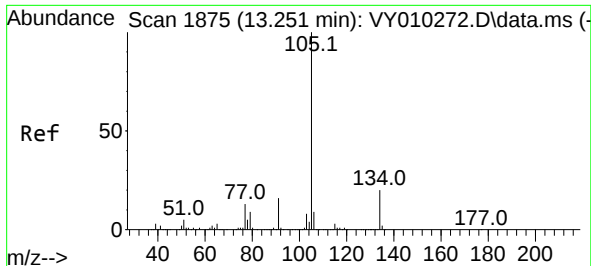
Tgt Ion: 75 Resp: 100838
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.097 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 105 Resp: 27670
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.9

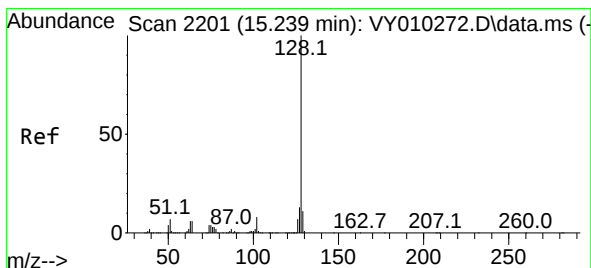
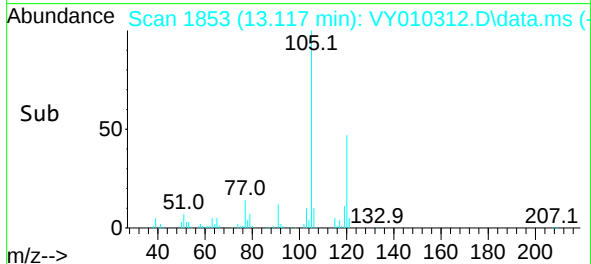
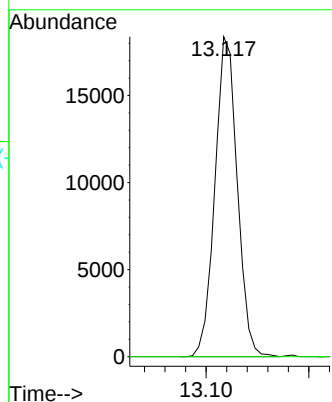
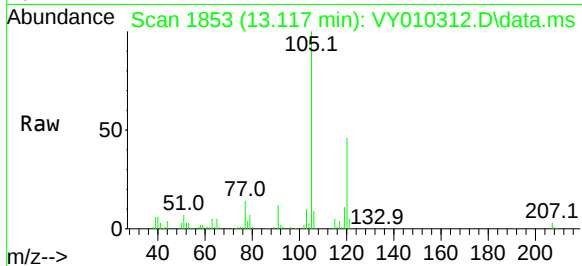




#85
 sec-Butylbenzene
 Concen: 1.603 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.134 min
 Lab File: VY010312.D
 Acq: 03 Sep 2022 05:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 H-1

Tgt Ion:105 Resp: 27670
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 1.723 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY010312.D
 Acq: 03 Sep 2022 05:43

Tgt Ion:128 Resp: 13970
 Ion Ratio Lower Upper
 128 100
 127 14.0 11.0 16.4
 129 11.9 8.4 12.6

