

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010212.D
 Acq On : 25 Aug 2022 18:40
 Operator : KP/MD
 Sample : N4352-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11985

Quant Time: Aug 26 06:48:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

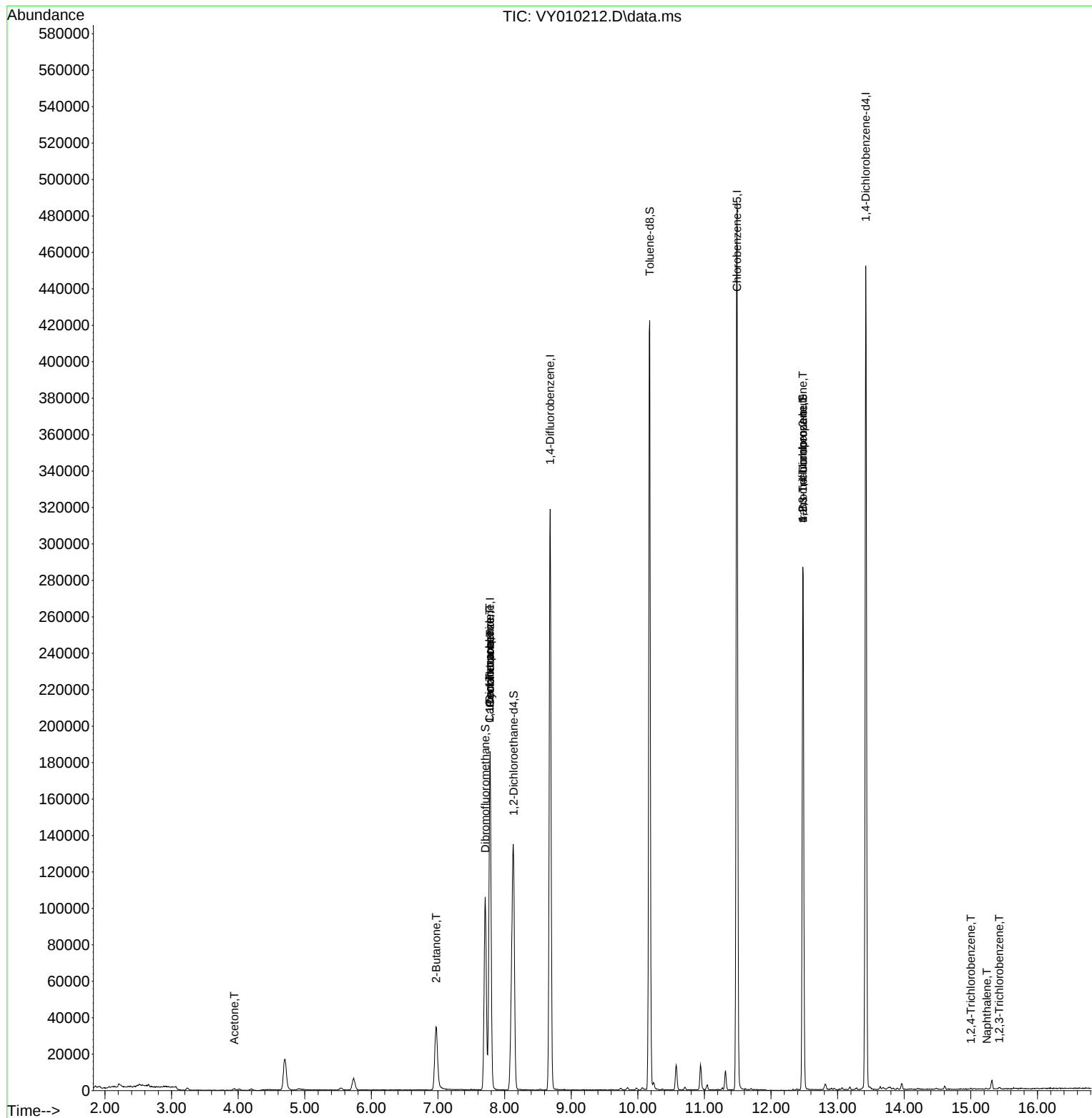
Internal Standards						
1) Pentafluorobenzene	7.783	168	143729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81781	69.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.000%
35) Dibromofluoromethane	7.710	113	75309	42.102	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.200%
50) Toluene-d8	10.179	98	277508	44.706	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	89.420%
62) 4-Bromofluorobenzene	12.477	95	85788	36.074	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	72.140%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	799	Below Cal		84
7) Trichlorofluoromethane	3.119	101	98	Below Cal	#	21
11) Tert butyl alcohol	4.936	59	176	Below Cal	#	77
16) Acetone	3.942	43	1845	4.728	ug/l #	80
18) Methyl Acetate	4.466	43	309	Below Cal	#	56
20) Methylene Chloride	4.704	84	12529	Below Cal		92
25) 2-Butanone	6.972	43	2598	4.010	ug/l	95
31) Cyclohexane	7.783	56	3022	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	11219	4.265	ug/l #	50
38) Carbon Tetrachloride	7.777	117	13685	4.911	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	43261	33.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43261	71.511	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.001	180	155	4.647	ug/l #	85
95) Naphthalene	15.239	128	441	6.022	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	185	4.713	ug/l #	65

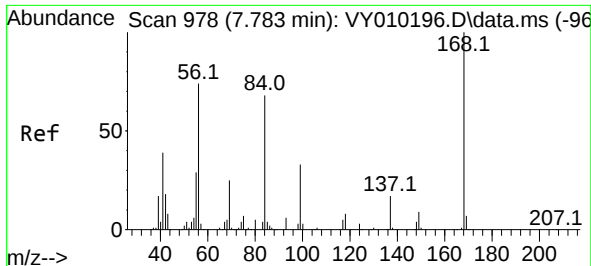
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
Data File : VY010212.D
Acq On : 25 Aug 2022 18:40
Operator : KP/MD
Sample : N4352-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11985

Quant Time: Aug 26 06:48:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 26 06:12:05 2022
Response via : Initial Calibration

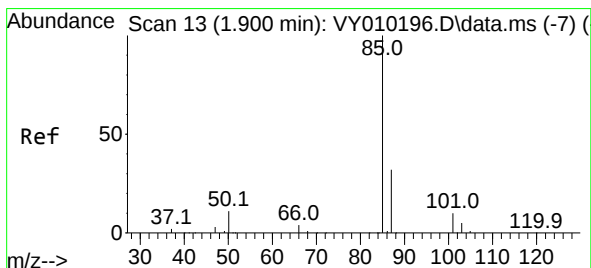
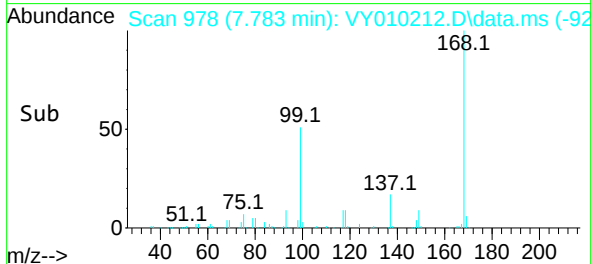
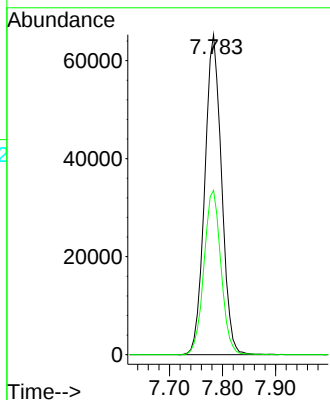
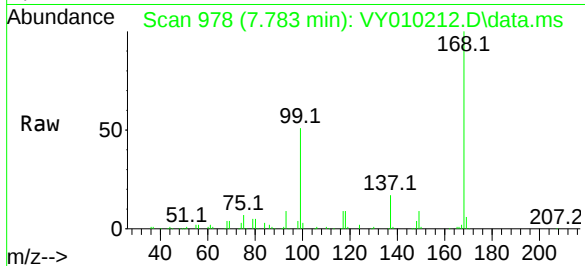




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

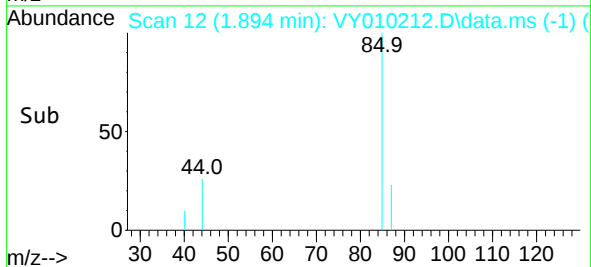
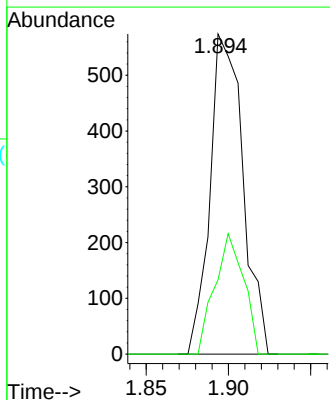
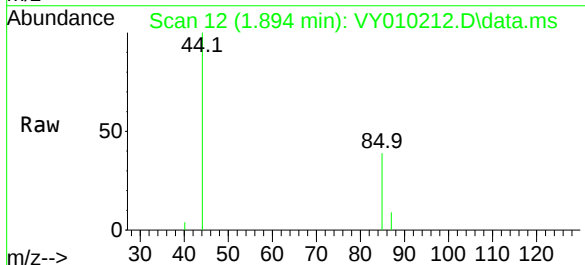
Instrument :
MSVOA_Y
ClientSampleId :
11985

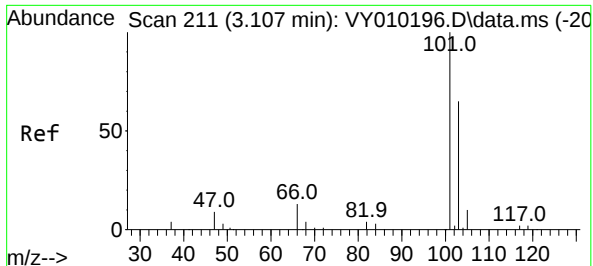
Tgt Ion:168 Resp: 143729
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

Tgt Ion: 85 Resp: 799
Ion Ratio Lower Upper
85 100
87 23.2 16.1 48.2

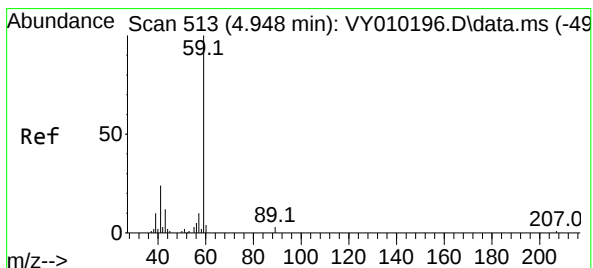
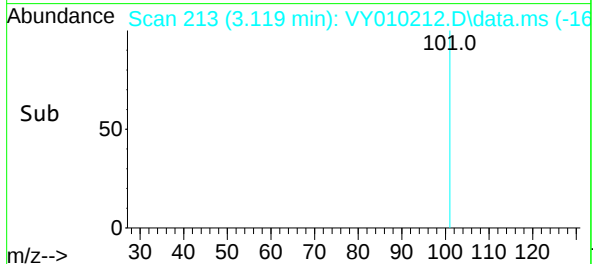
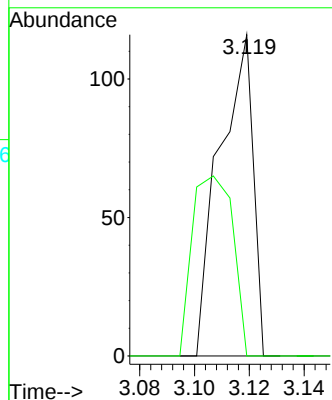
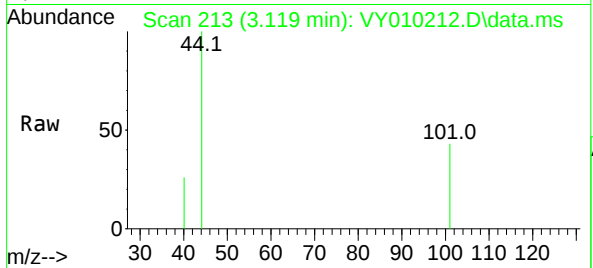




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 211
Delta R.T. 0.012 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

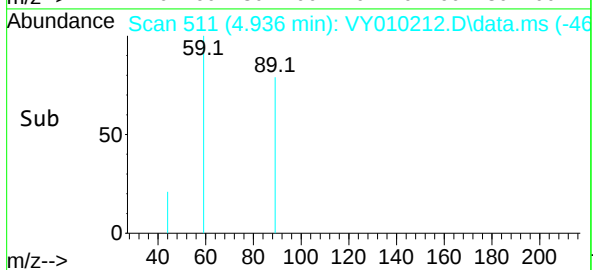
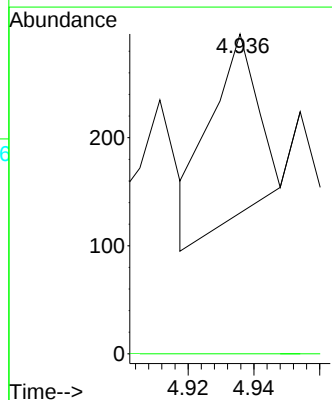
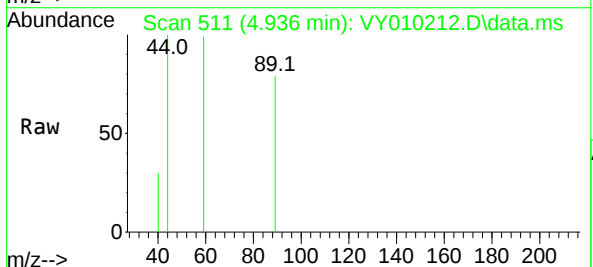
Instrument :
MSVOA_Y
ClientSampleId :
11985

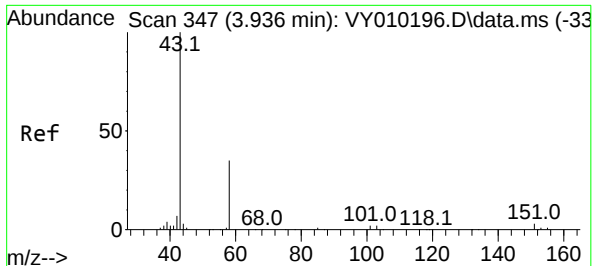
Tgt Ion:101 Resp: 98
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

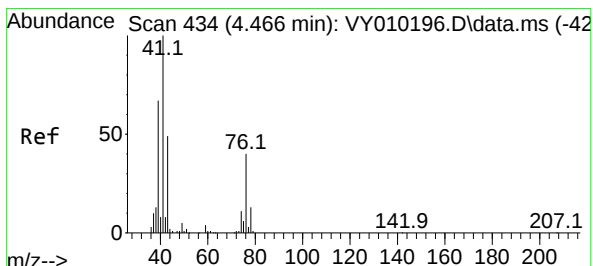
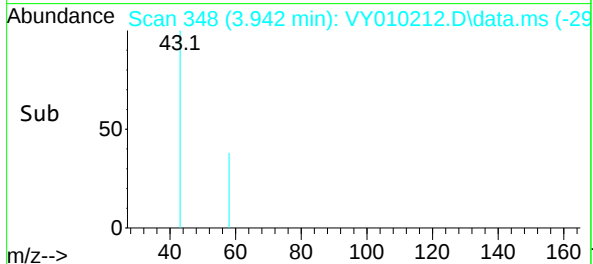
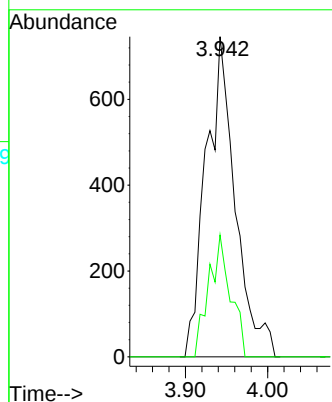
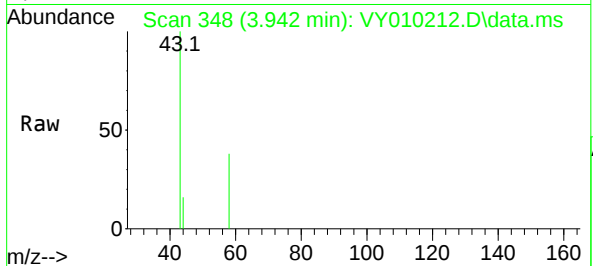




#16
Acetone
Concen: 4.728 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

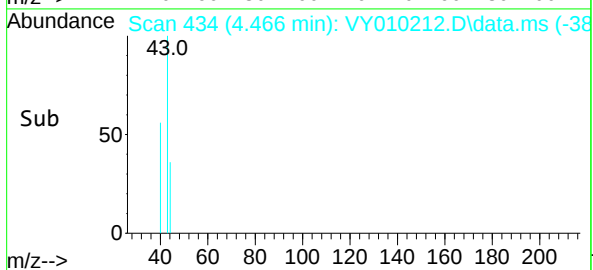
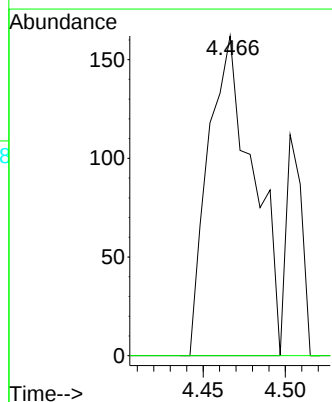
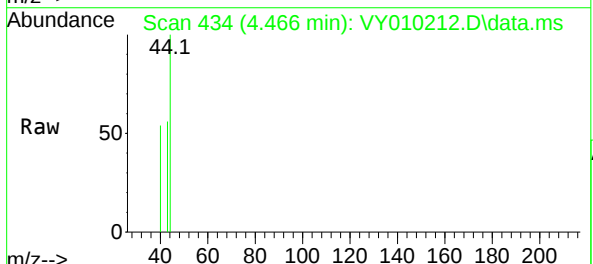
Instrument :
MSVOA_Y
ClientSampleId :
11985

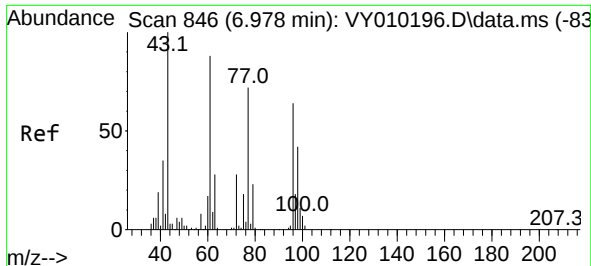
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
58 38.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

Tgt Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 4.010 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010212.D

Acq: 25 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

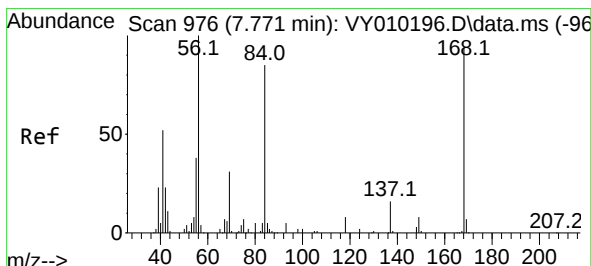
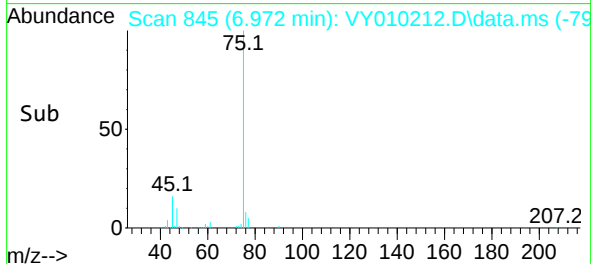
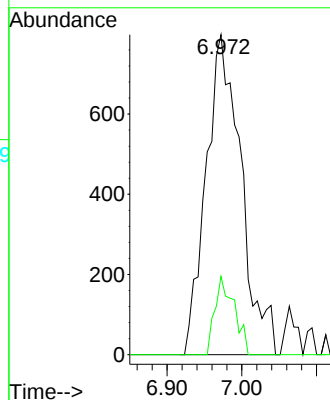
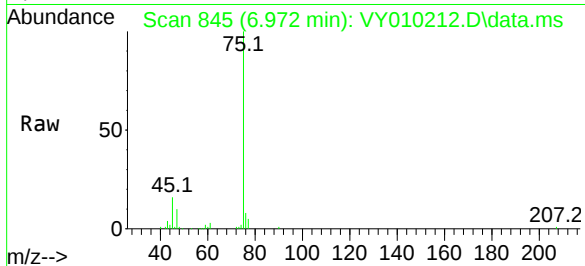
11985

Tgt Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

72 24.4 17.7 26.5



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.012 min

Lab File: VY010212.D

Acq: 25 Aug 2022 18:40

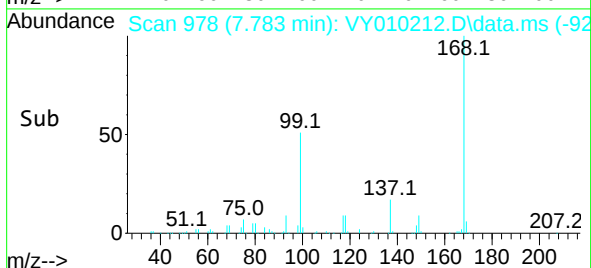
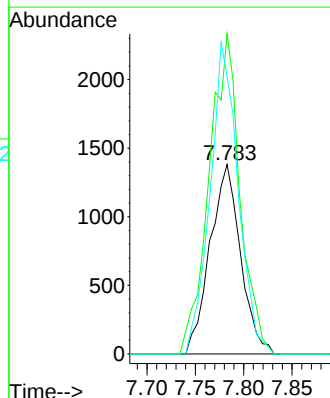
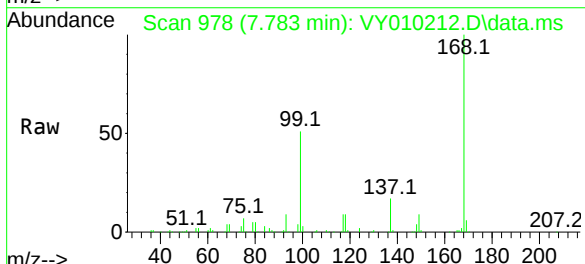
Tgt Ion: 56 Resp: 3022

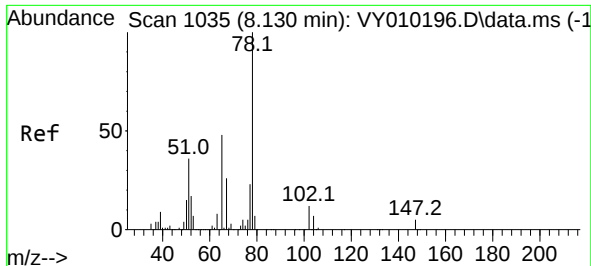
Ion Ratio Lower Upper

56 100

69 168.9 26.7 40.1#

84 146.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.002 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY010212.D

Acq: 25 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

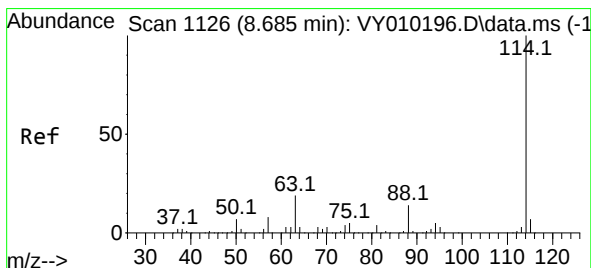
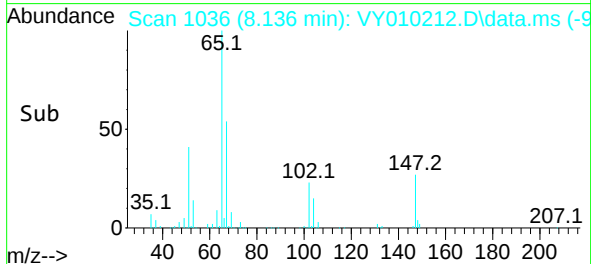
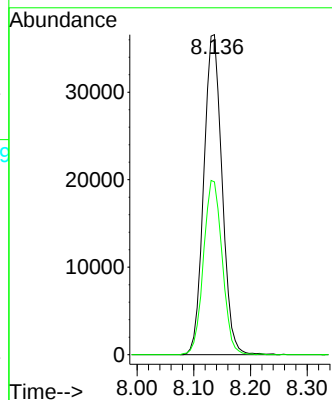
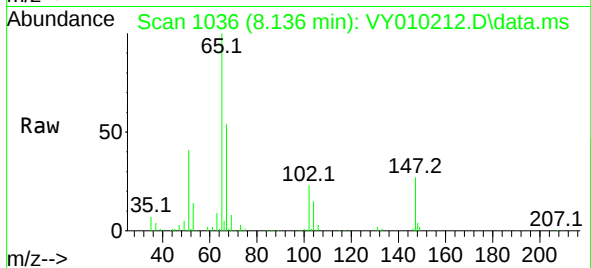
11985

Tgt Ion: 65 Resp: 81781

Ion Ratio Lower Upper

65 100

67 55.7 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: VY010212.D

Acq: 25 Aug 2022 18:40

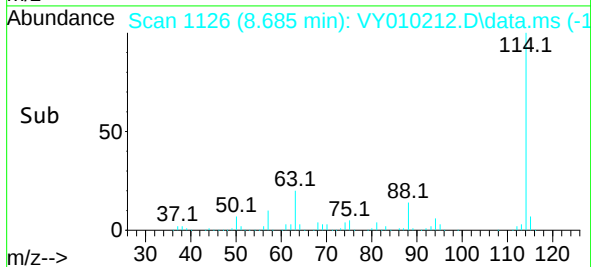
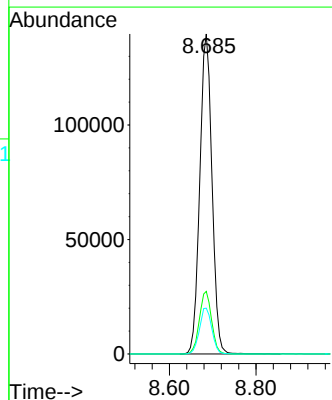
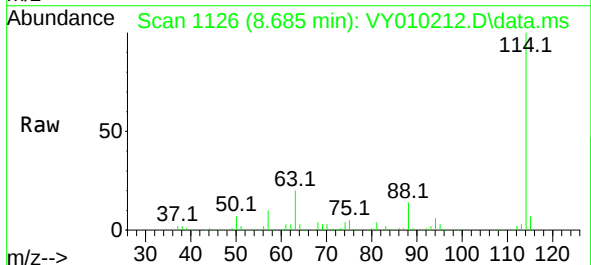
Tgt Ion: 114 Resp: 272815

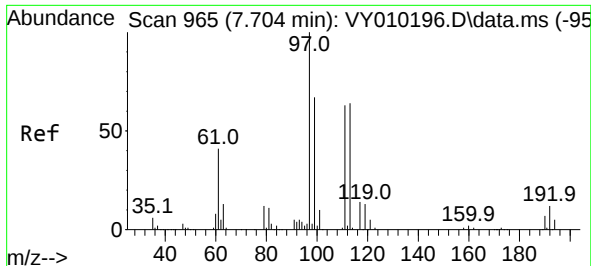
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 14.3 0.0 31.8

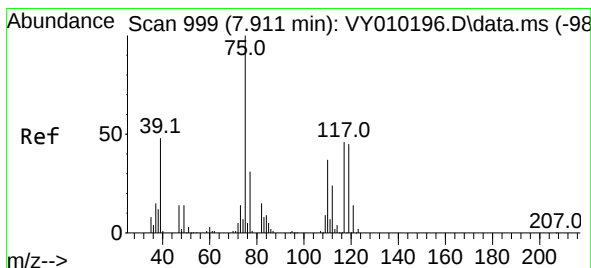
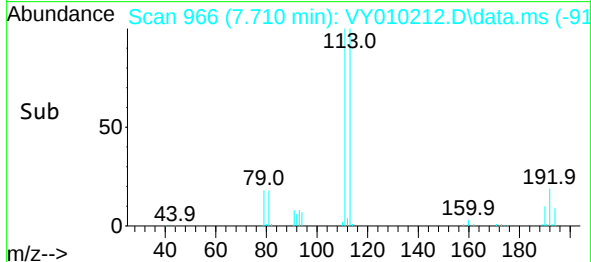
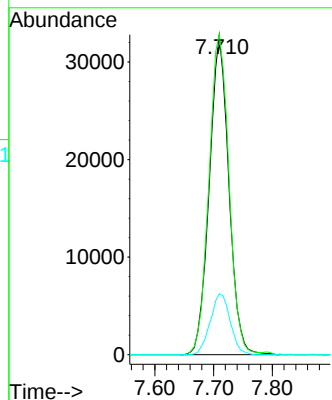
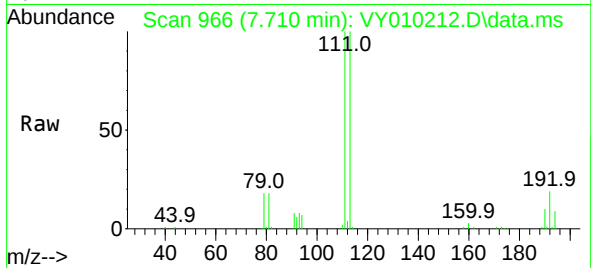




#35
Dibromofluoromethane
Concen: 42.102 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

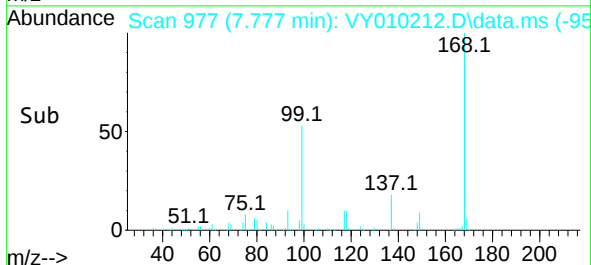
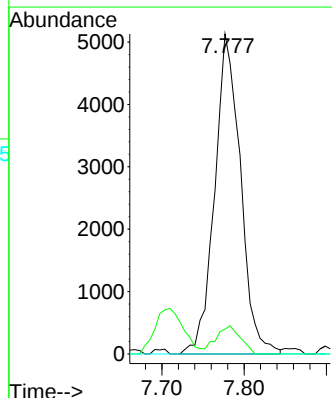
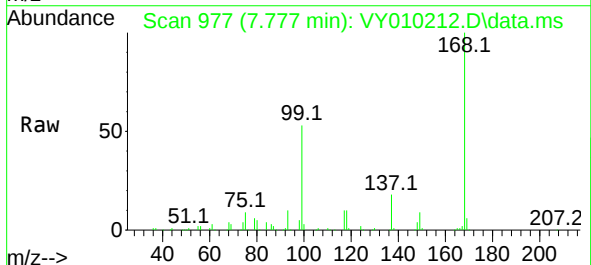
Instrument :
MSVOA_Y
ClientSampleId :
11985

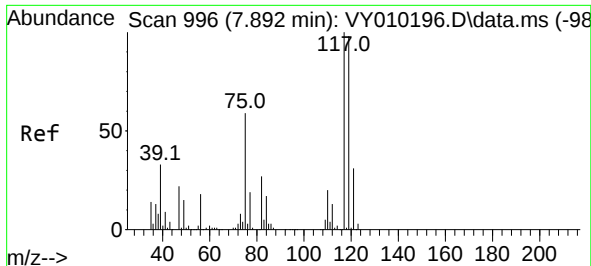
Tgt Ion:113 Resp: 75309
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.265 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

Tgt Ion: 75 Resp: 11219
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#

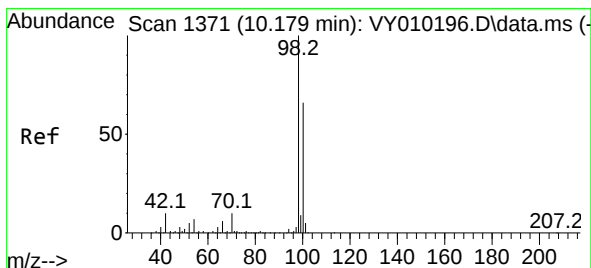
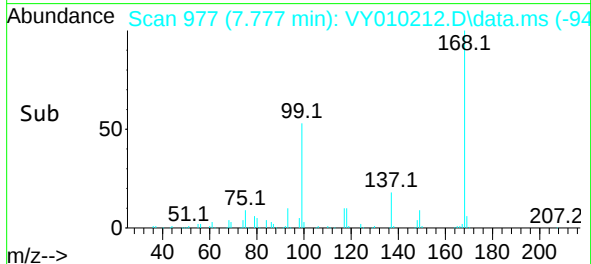
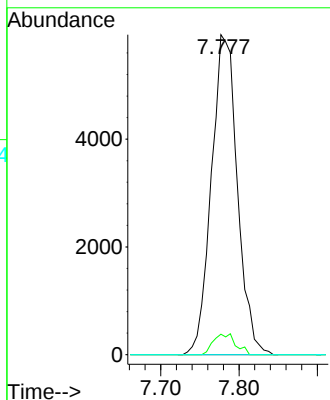
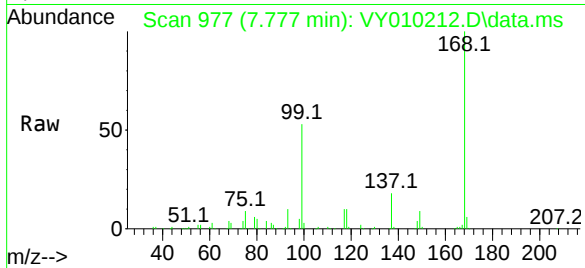




#38
Carbon Tetrachloride
Concen: 4.911 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.115 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

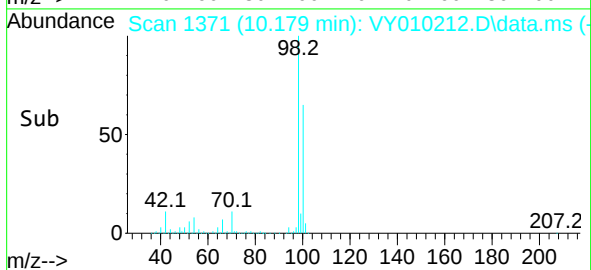
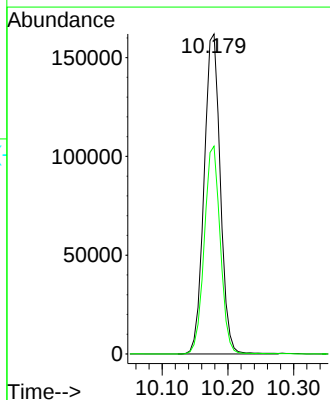
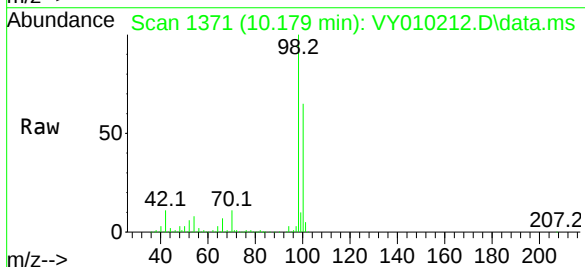
Instrument :
MSVOA_Y
ClientSampleId :
11985

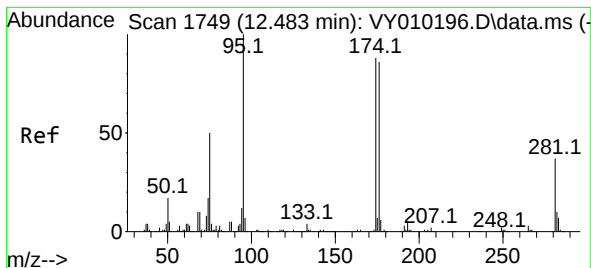
Tgt Ion:117 Resp: 13685
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.706 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

Tgt Ion: 98 Resp: 277508
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

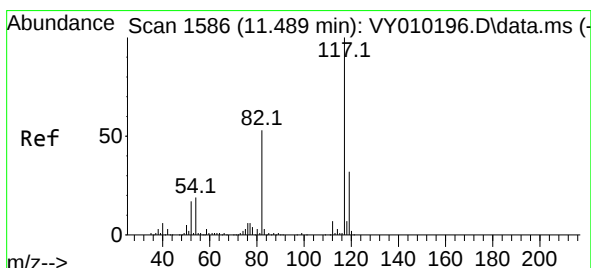
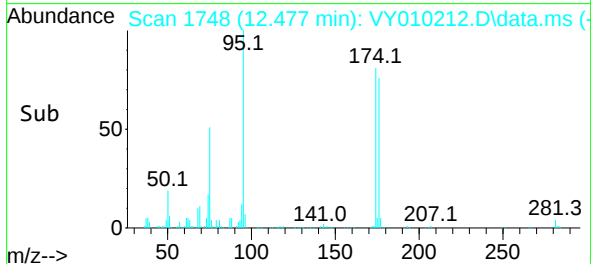
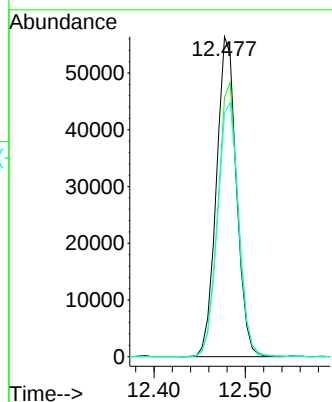
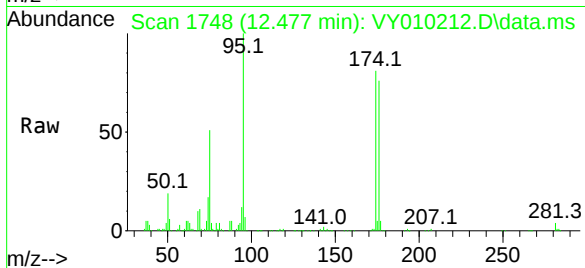




#62
4-Bromofluorobenzene
Concen: 36.074 ug/l
RT: 12.477 min Scan# 11985
Delta R.T. -0.006 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

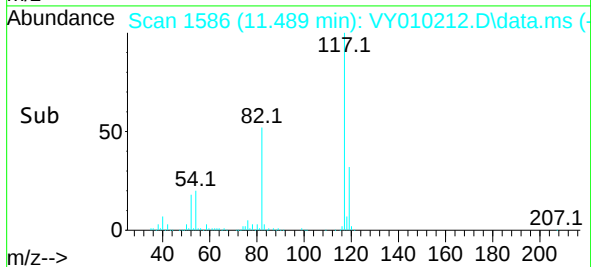
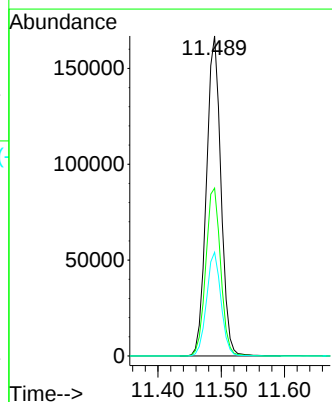
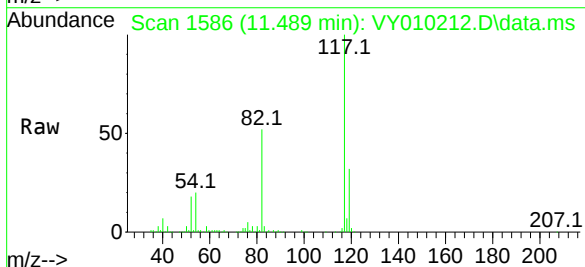
Instrument :
MSVOA_Y
ClientSampleId :
11985

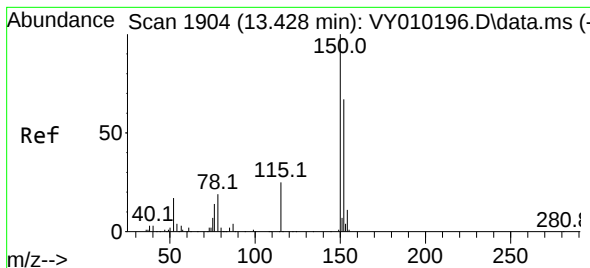
Tgt Ion: 95 Resp: 85788
Ion Ratio Lower Upper
95 100
174 87.3 0.0 177.0
176 83.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010212.D
Acq: 25 Aug 2022 18:40

Tgt Ion: 117 Resp: 266631
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 11985

Delta R.T. -0.006 min

Lab File: VY010212.D

Acq: 25 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

11985

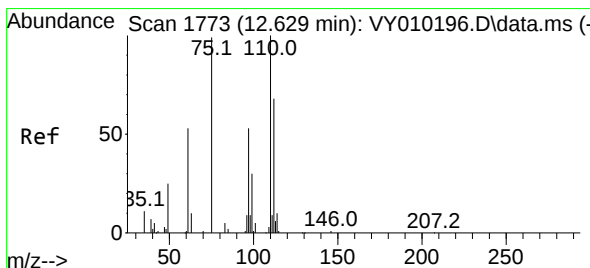
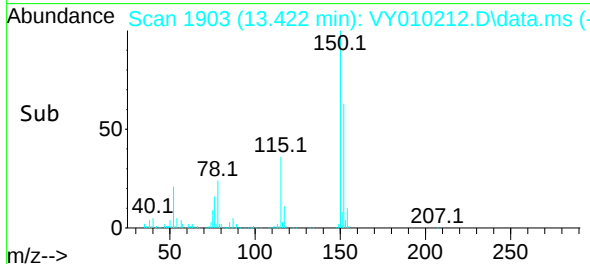
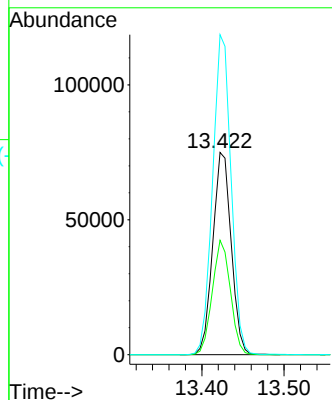
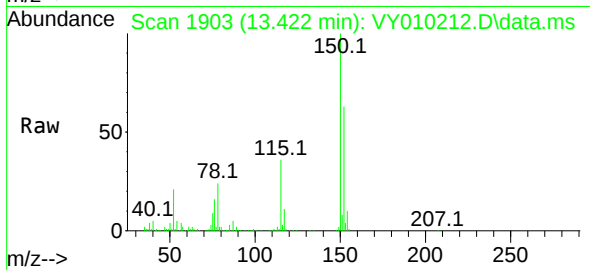
Tgt Ion:152 Resp: 116789

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.7

150 158.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 33.632 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010212.D

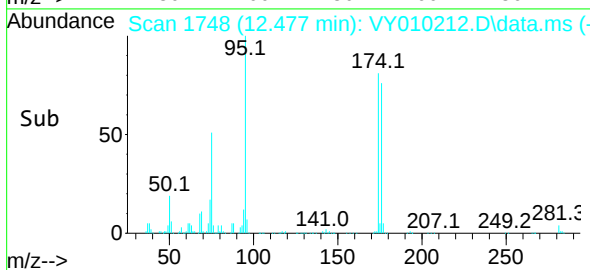
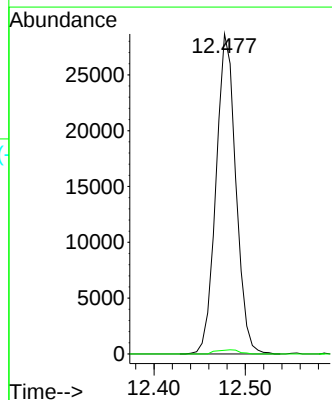
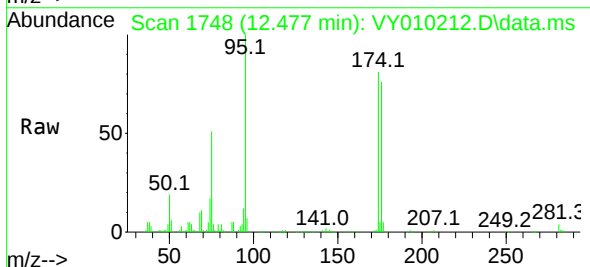
Acq: 25 Aug 2022 18:40

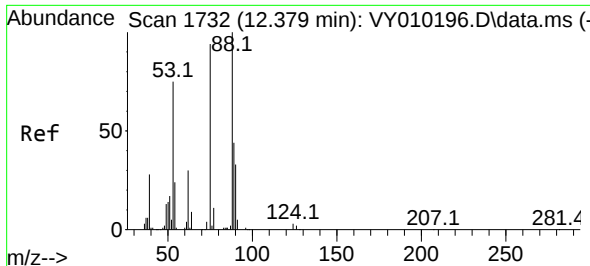
Tgt Ion: 75 Resp: 43261

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

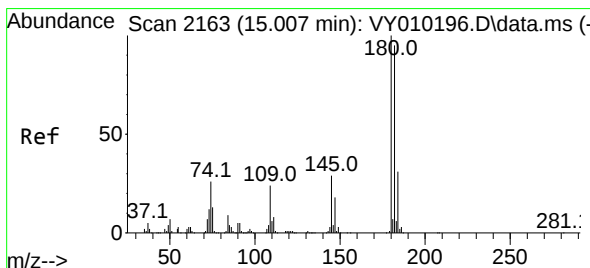
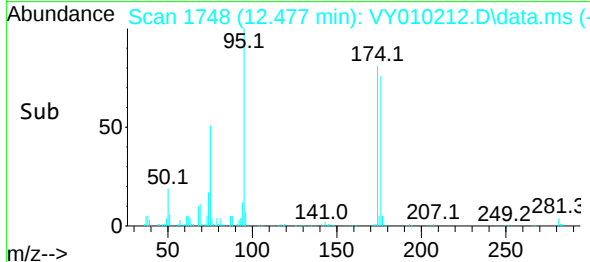
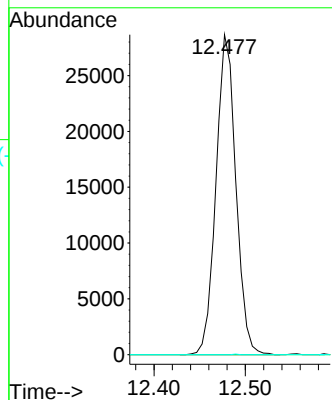
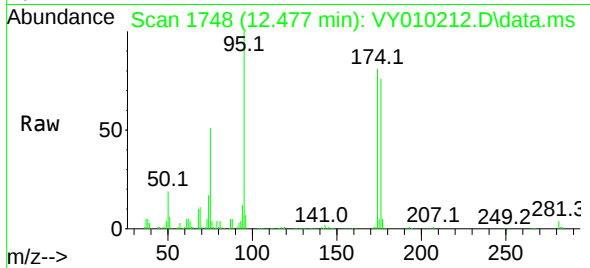




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.511 ug/l
 RT: 12.477 min Scan# 11985
 Delta R.T. 0.098 min
 Lab File: VY010212.D
 Acq: 25 Aug 2022 18:40

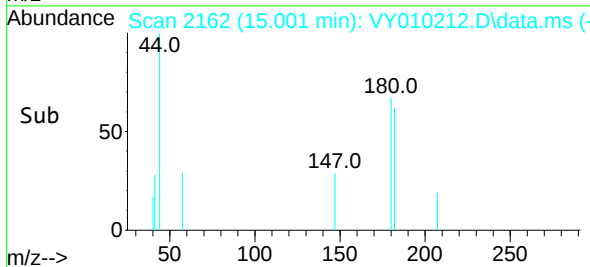
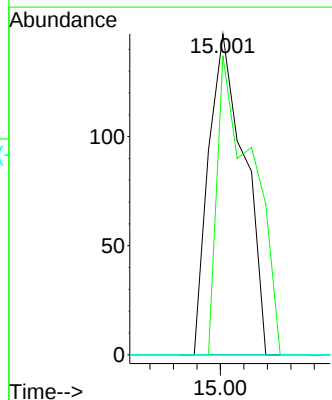
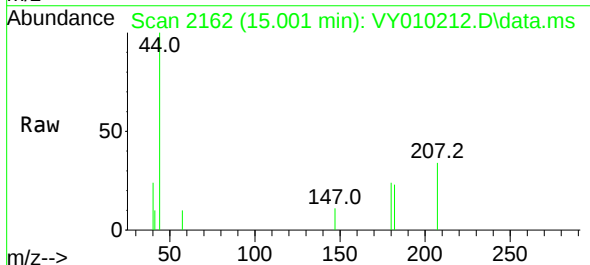
Instrument :
 MSVOA_Y
 ClientSampleId :
 11985

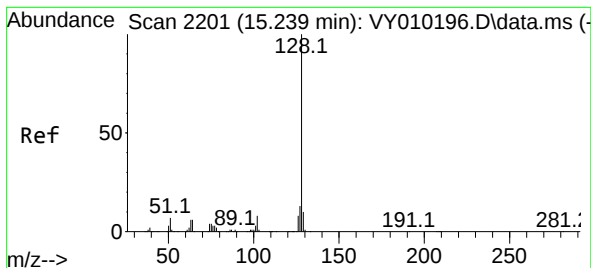
Tgt Ion: 75 Resp: 43261
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.647 ug/l
 RT: 15.001 min Scan# 2162
 Delta R.T. -0.006 min
 Lab File: VY010212.D
 Acq: 25 Aug 2022 18:40

Tgt Ion: 180 Resp: 155
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.3 141.9
 145 0.0 14.6 43.8#





#95

Naphthalene

Concen: 6.022 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010212.D

Acq: 25 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

11985

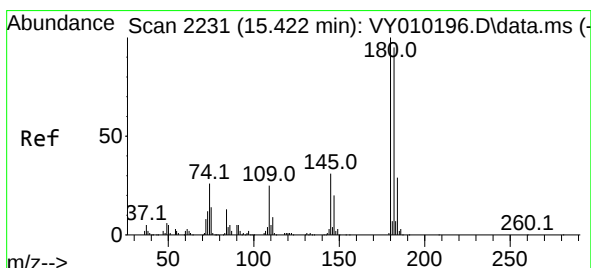
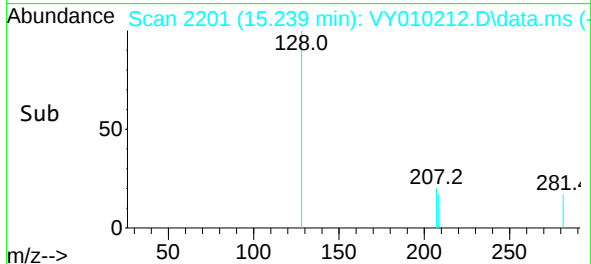
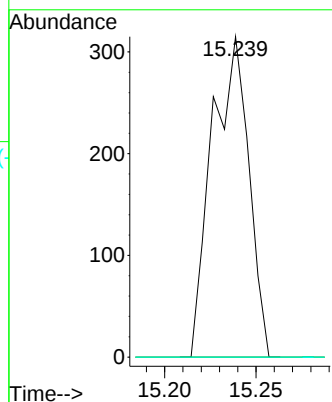
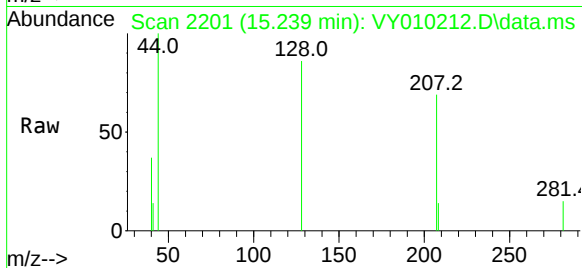
Tgt Ion:128 Resp: 441

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 4.713 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY010212.D

Acq: 25 Aug 2022 18:40

Tgt Ion:180 Resp: 185

Ion Ratio Lower Upper

180 100

182 60.5 47.3 141.9

145 11.9 15.3 45.9#

