

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010582.D
 Acq On : 20 Sep 2022 17:57
 Operator : KP/MD
 Sample : N4697-09
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:21:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

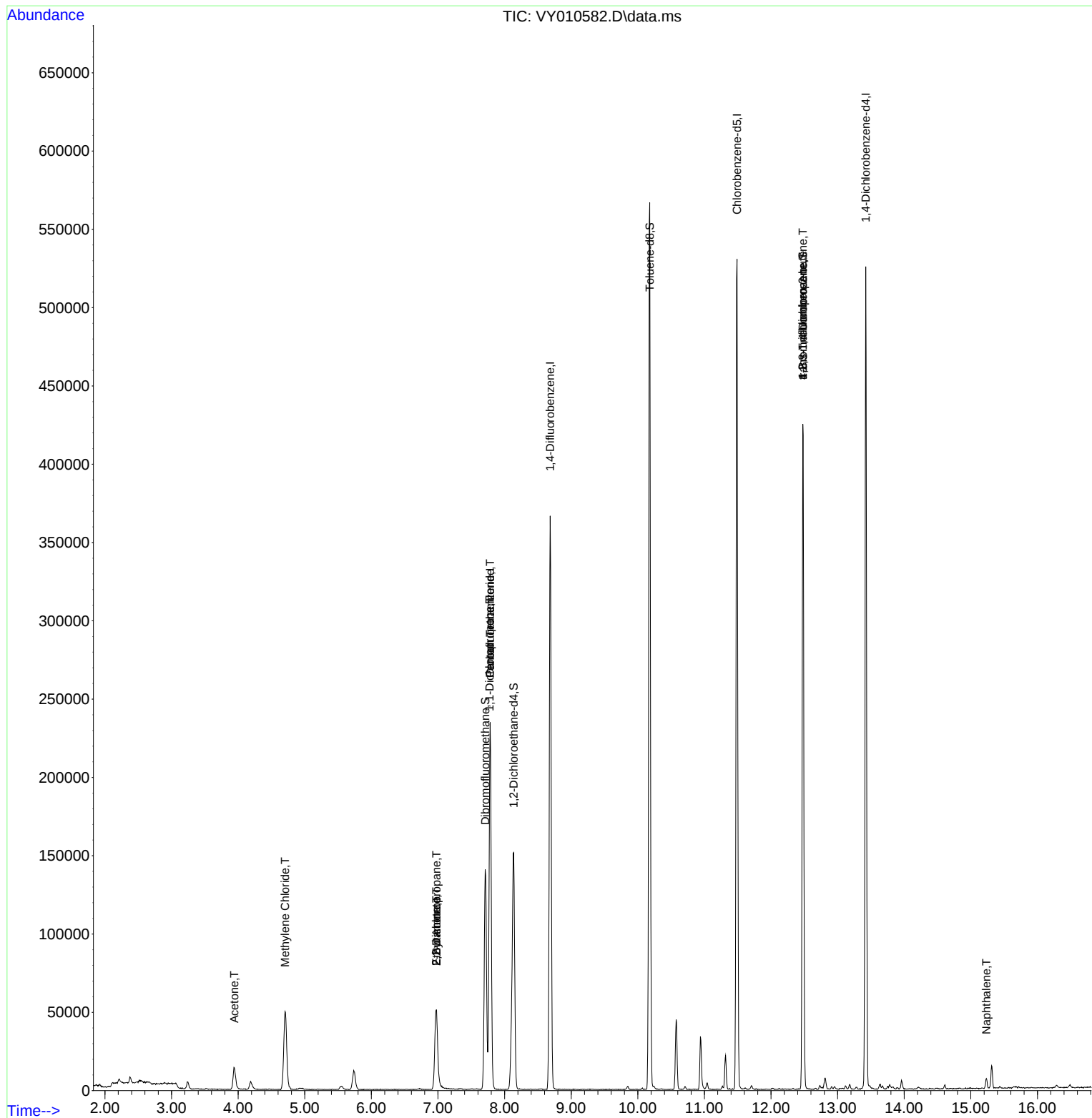
Internal Standards						
1) Pentafluorobenzene	7.783	168	184481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	320419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104661	59.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.620%	
35) Dibromofluoromethane	7.710	113	100111	48.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.920%	
50) Toluene-d8	10.179	98	381207	50.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.477	95	127549	45.217	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	421	Below Cal		73
3) Chloromethane	2.107	50	586	Below Cal	#	86
4) Vinyl Chloride	2.278	62	41	Below Cal	#	43
5) Bromomethane	2.662	94	313	Below Cal	#	35
11) Tert butyl alcohol	4.930	59	988	Below Cal	#	77
16) Acetone	3.942	43	24969	69.391	ug/l #	86
17) Carbon Disulfide	4.186	76	6656	Below Cal	#	92
18) Methyl Acetate	4.460	43	324	Below Cal	#	56
20) Methylene Chloride	4.704	84	39352	11.382	ug/l #	78
25) 2-Butanone	6.978	43	10574	18.787	ug/l	96
26) 2,2-Dichloropropane	6.978	77	3719	1.390	ug/l #	55
31) Cyclohexane	7.777	56	3678	Below Cal	#	18
36) 1,1-Dichloropropene	7.777	75	14223	6.242	ug/l #	51
37) Ethyl Acetate	6.978	43	10574	8.035	ug/l #	75
38) Carbon Tetrachloride	7.783	117	17741	6.772	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	65990	51.773	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65990	115.114	ug/l #	7
95) Naphthalene	15.233	128	5944	1.362	ug/l	98

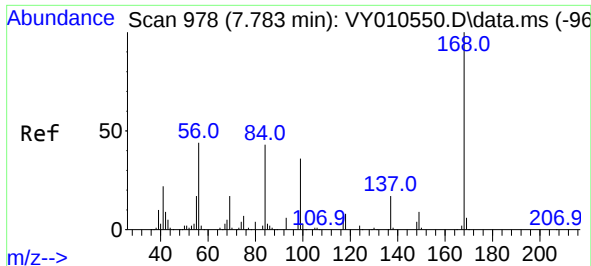
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
Data File : VY010582.D
Acq On : 20 Sep 2022 17:57
Operator : KP/MD
Sample : N4697-09
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

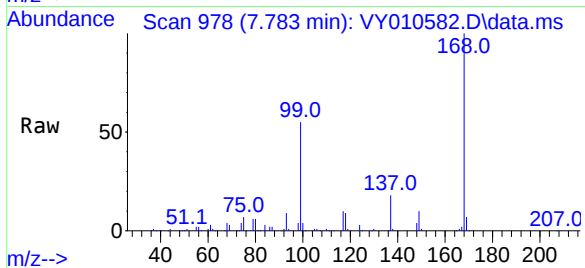
Quant Time: Sep 21 01:21:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration



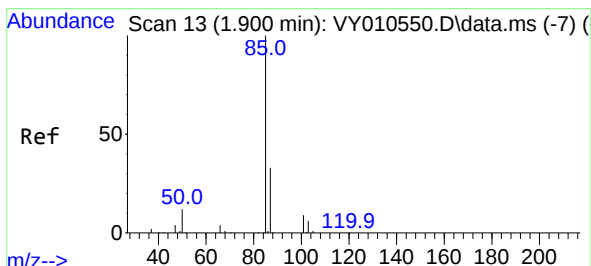
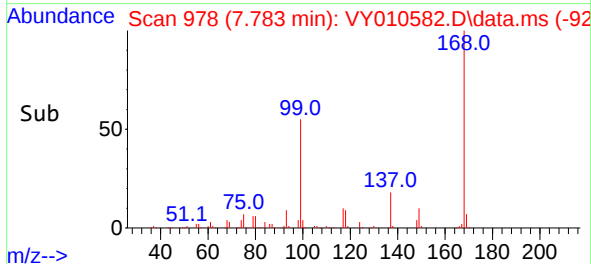
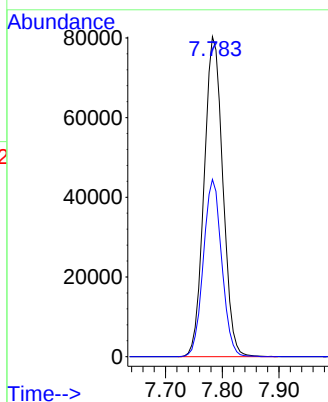


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Instrument :
MSVOA_Y
ClientSampleId :

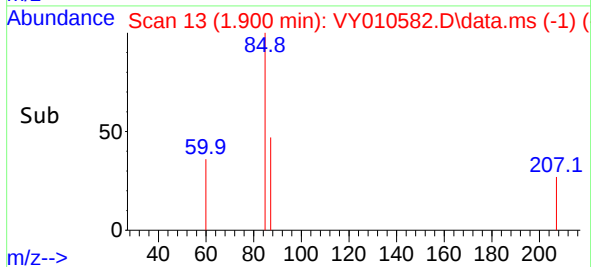
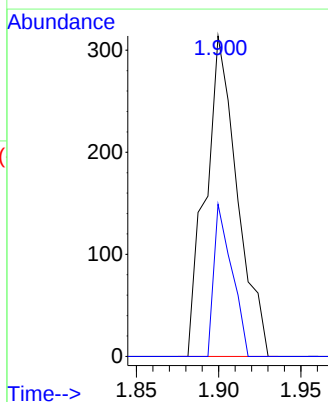
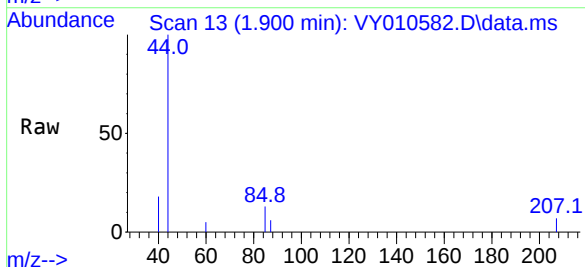


Tgt Ion:168 Resp: 184481
Ion Ratio Lower Upper
168 100
99 55.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 85 Resp: 421
Ion Ratio Lower Upper
85 100
87 47.5 16.1 48.2

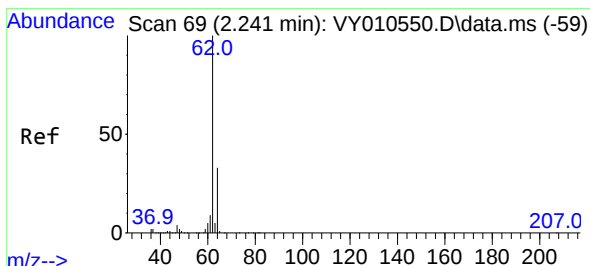
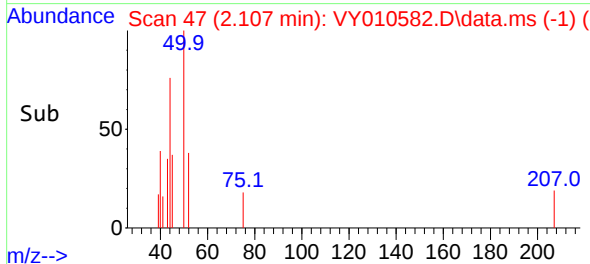
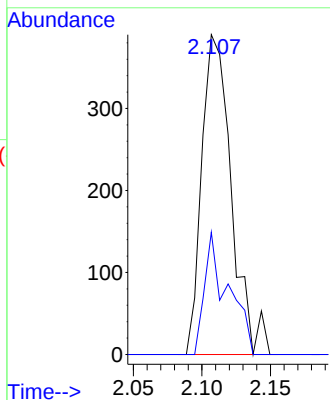
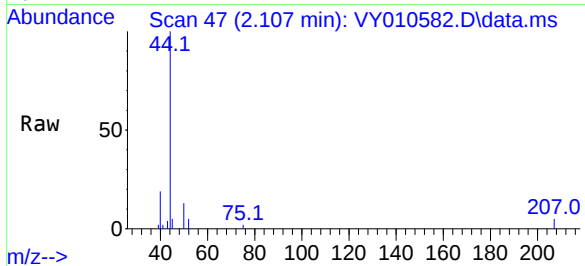




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

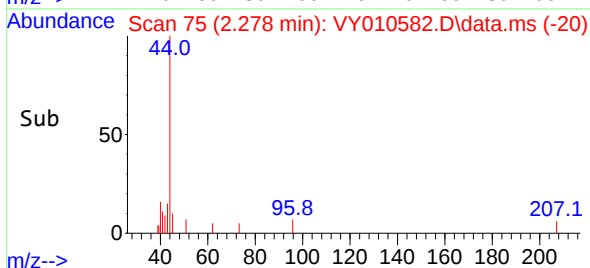
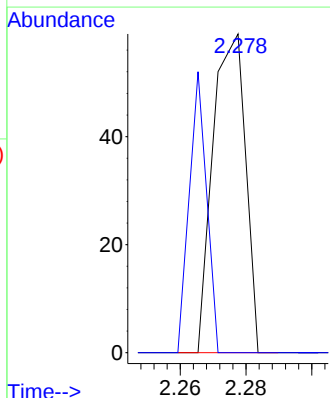
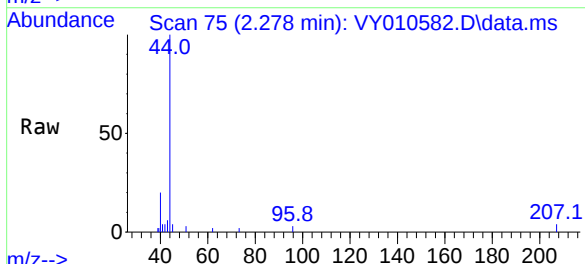
Instrument :
MSVOA_Y
ClientSampleId :

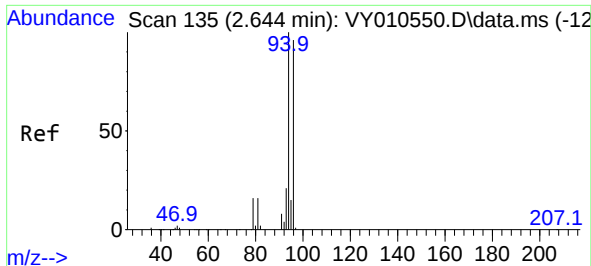
Tgt Ion: 50 Resp: 586
Ion Ratio Lower Upper
50 100
52 38.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.037 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 62 Resp: 41
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

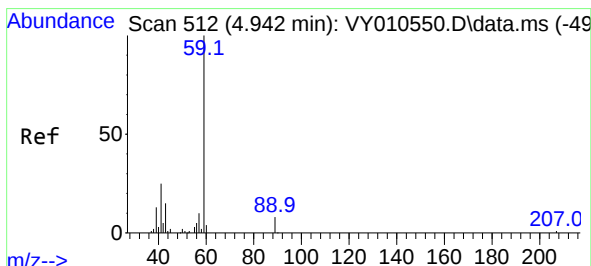
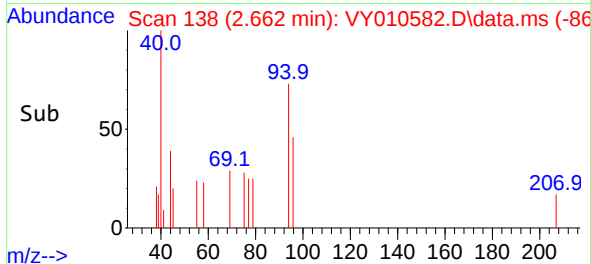
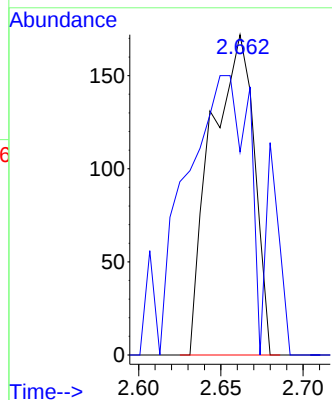
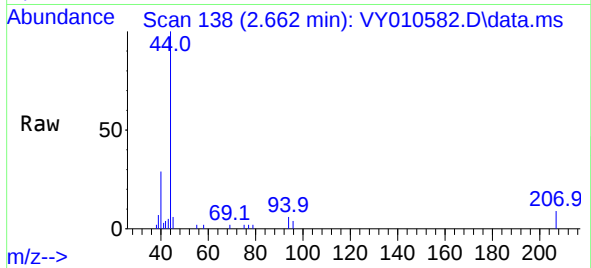




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

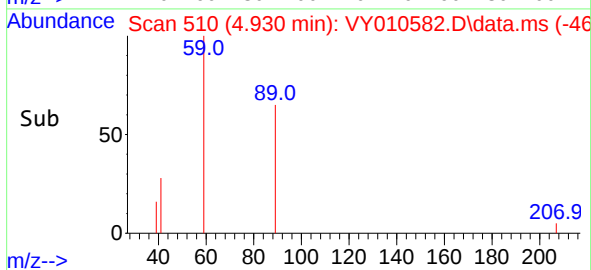
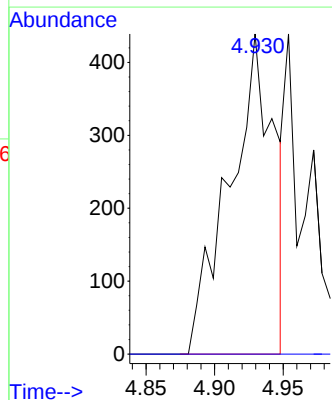
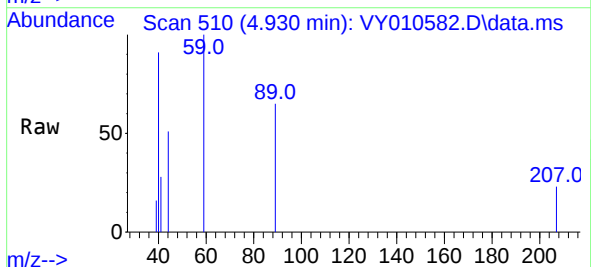
Instrument :
MSVOA_Y
ClientSampleId :

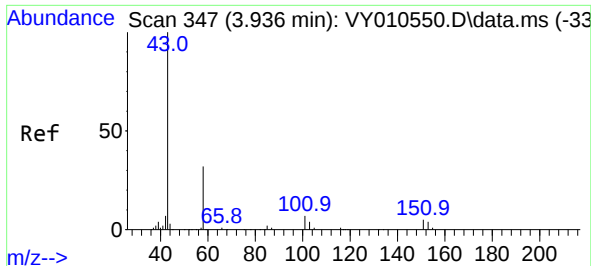
Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 29.7 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 59 Resp: 988
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

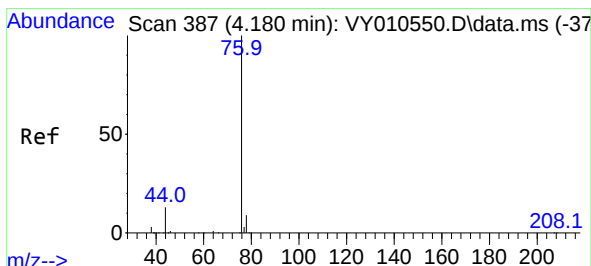
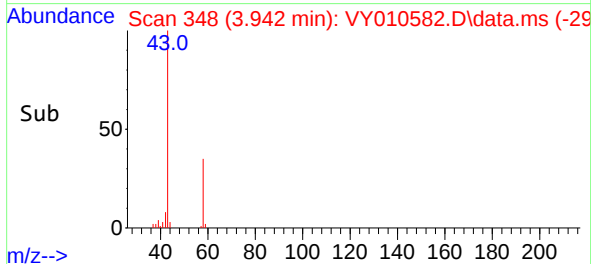
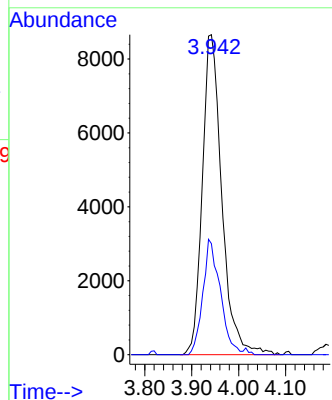
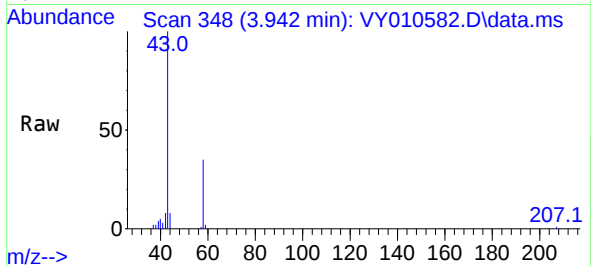




#16
Acetone
Concen: 69.391 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

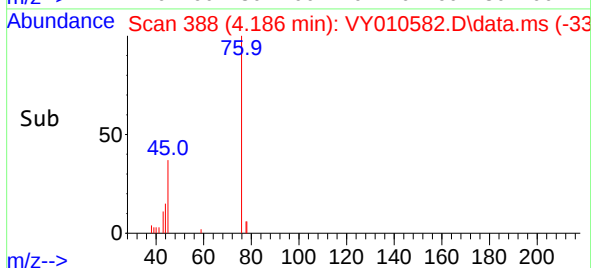
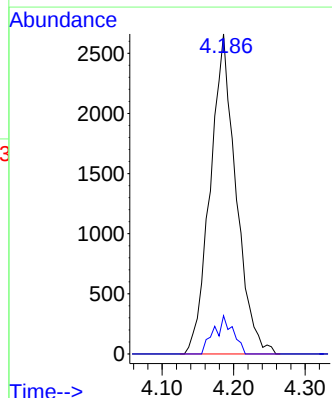
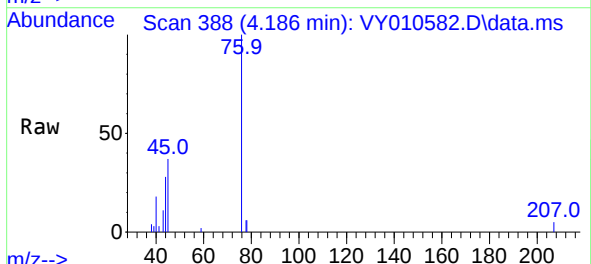
Instrument :
MSVOA_Y
ClientSampleId :

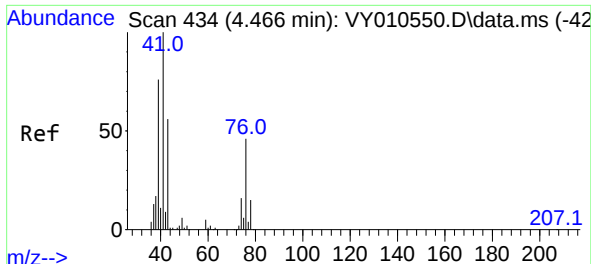
Tgt Ion: 43 Resp: 24969
Ion Ratio Lower Upper
43 100
58 34.7 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 76 Resp: 6656
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.006 min

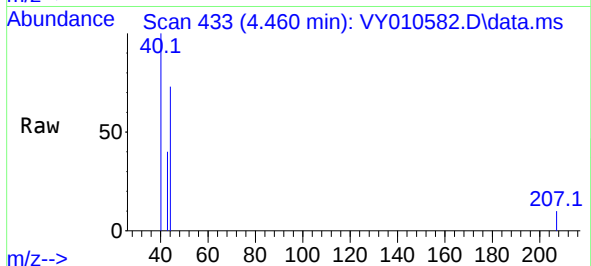
Lab File: VY010582.D

Acq: 20 Sep 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

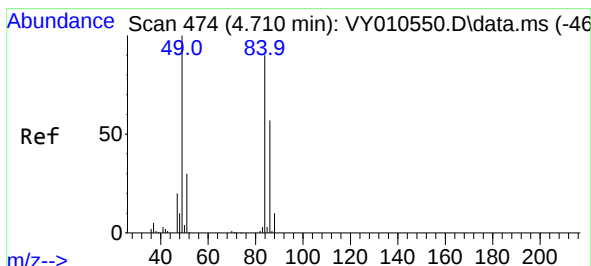
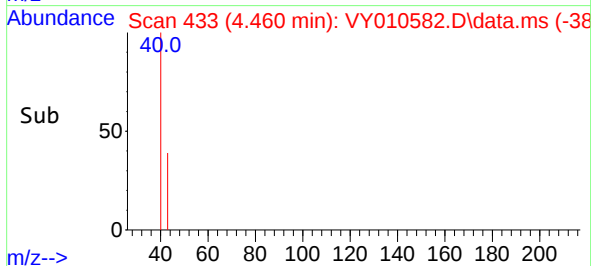
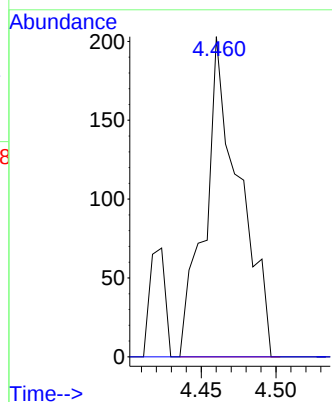


Tgt Ion: 43 Resp: 324

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 11.382 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010582.D

Acq: 20 Sep 2022 17:57

Tgt Ion: 84 Resp: 39352

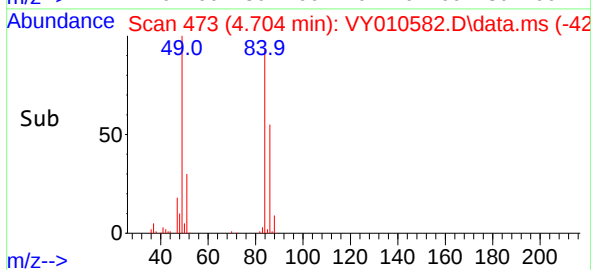
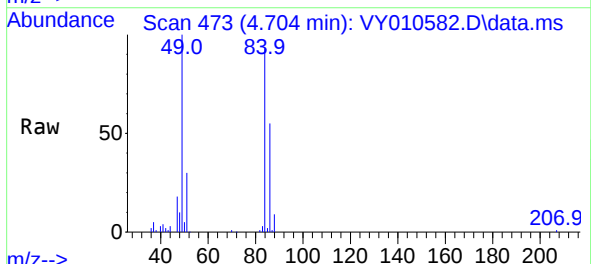
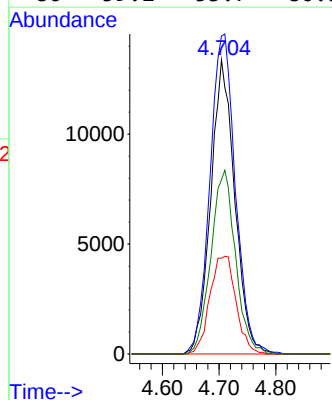
Ion Ratio Lower Upper

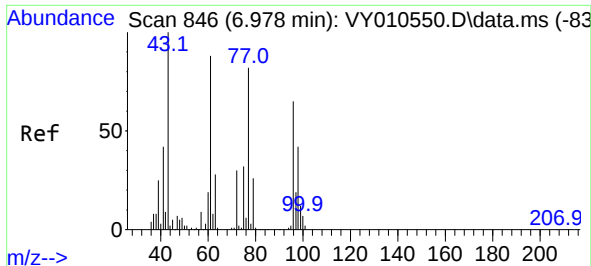
84 100

49 108.1 114.4 171.6#

51 32.6 35.3 52.9#

86 59.2 53.7 80.5





#25

2-Butanone

Concen: 18.787 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

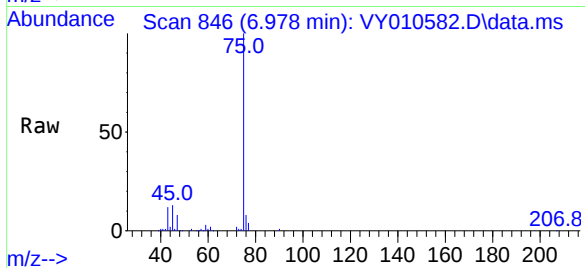
Lab File: VY010582.D

Acq: 20 Sep 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

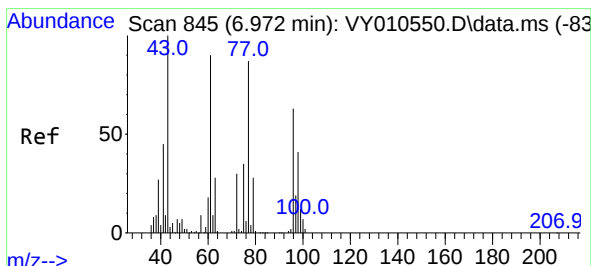
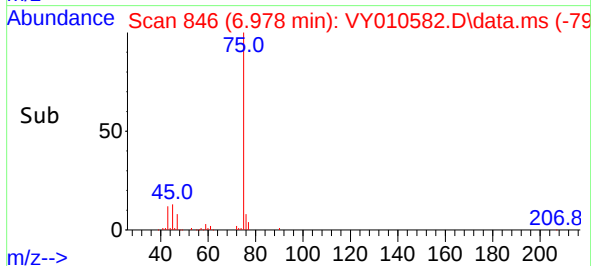
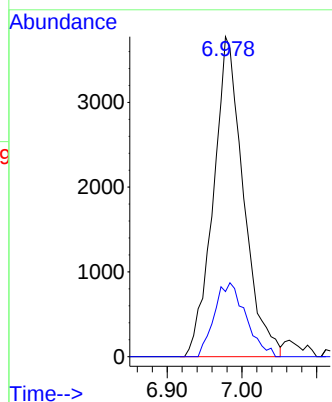


Tgt Ion: 43 Resp: 10574

Ion Ratio Lower Upper

43 100

72 20.4 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.390 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY010582.D

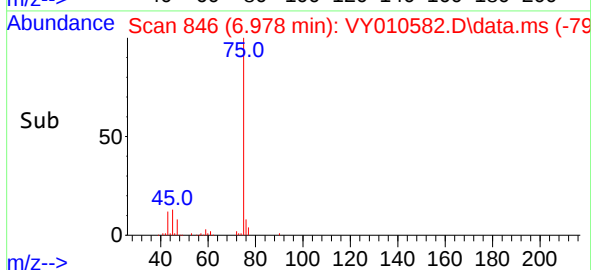
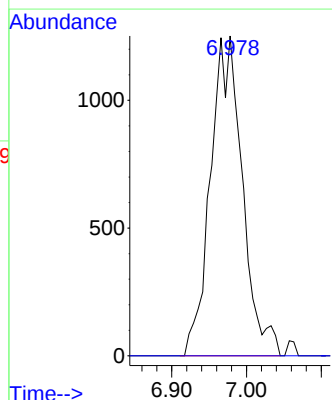
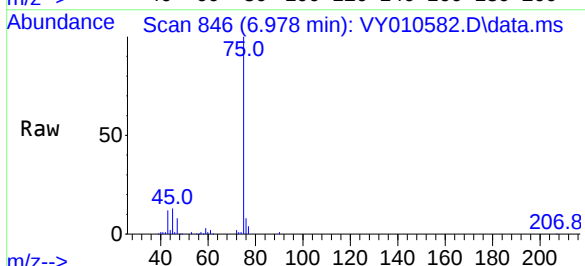
Acq: 20 Sep 2022 17:57

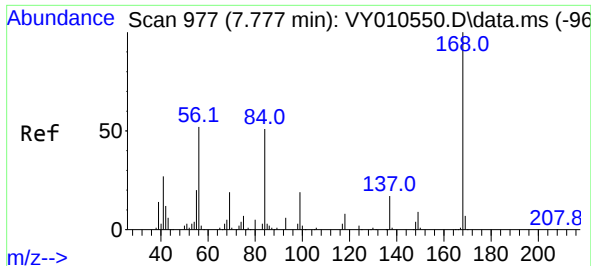
Tgt Ion: 77 Resp: 3719

Ion Ratio Lower Upper

77 100

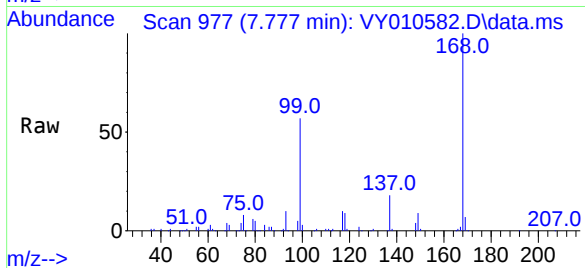
97 0.0 10.4 31.4#



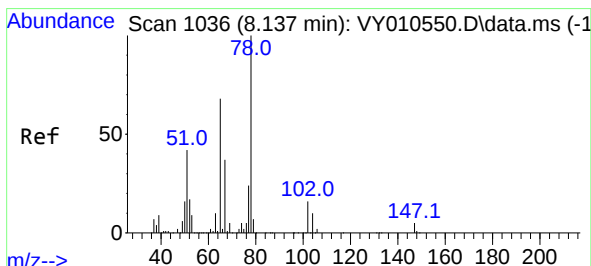
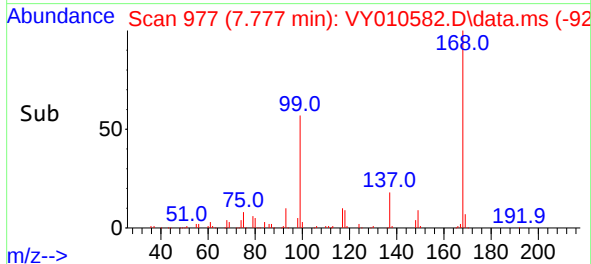
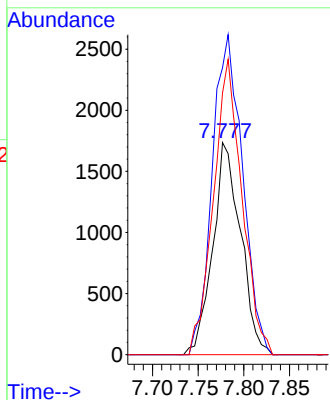


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Instrument :
MSVOA_Y
ClientSampleId :

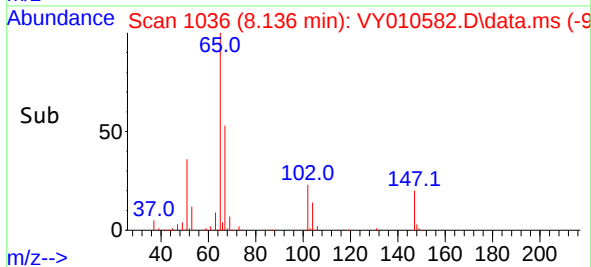
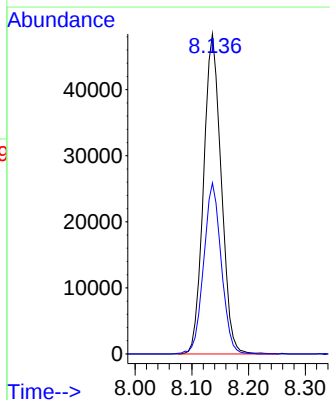
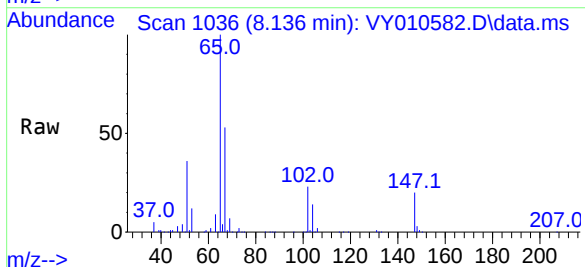


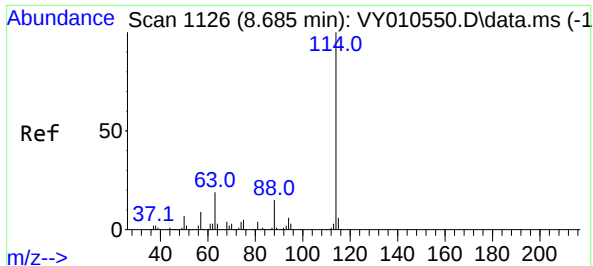
Tgt Ion: 56 Resp: 3678
Ion Ratio Lower Upper
56 100
69 135.3 26.7 40.1#
84 123.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.314 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 65 Resp: 104661
Ion Ratio Lower Upper
65 100
67 53.3 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: VY010582.D

Acq: 20 Sep 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

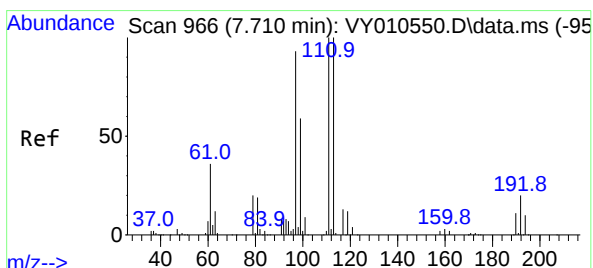
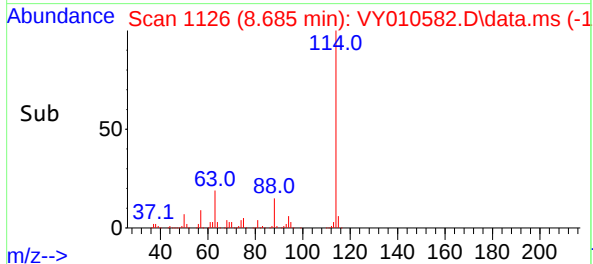
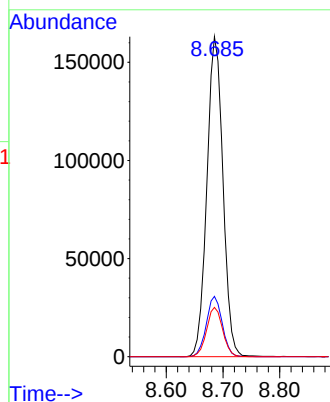
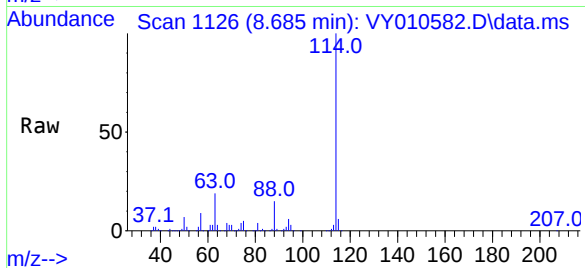
Tgt Ion:114 Resp: 320419

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.956 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010582.D

Acq: 20 Sep 2022 17:57

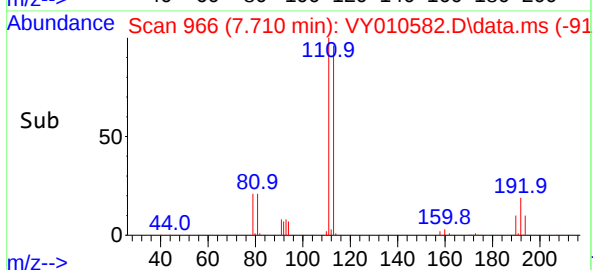
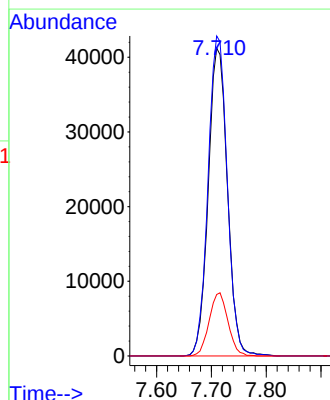
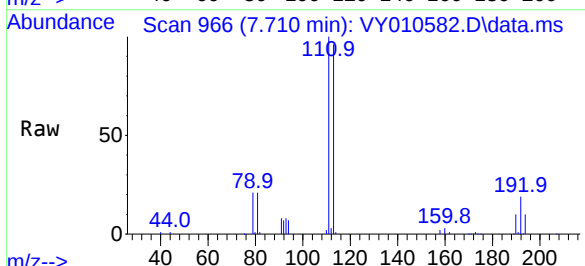
Tgt Ion:113 Resp: 100111

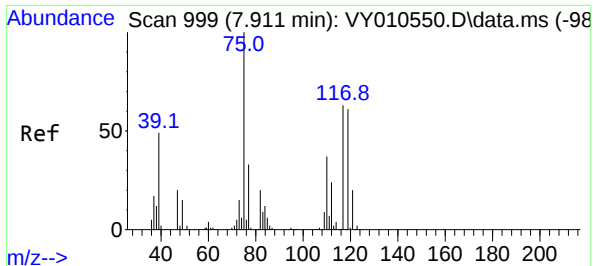
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 20.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.242 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010582.D

Acq: 20 Sep 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

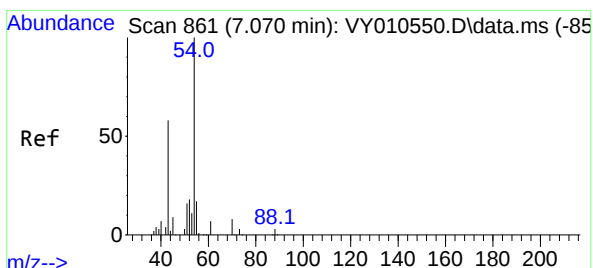
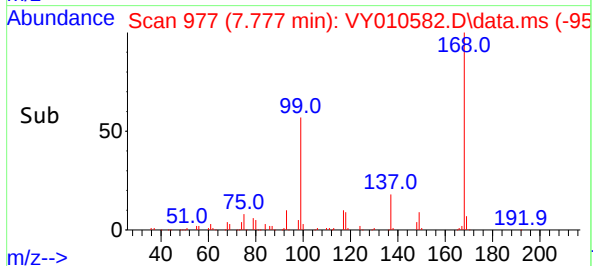
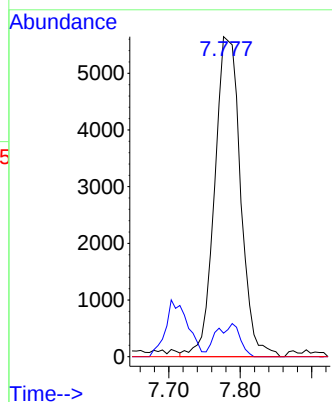
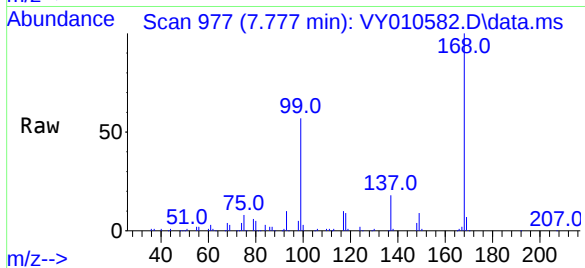
Tgt Ion: 75 Resp: 14223

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 8.035 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY010582.D

Acq: 20 Sep 2022 17:57

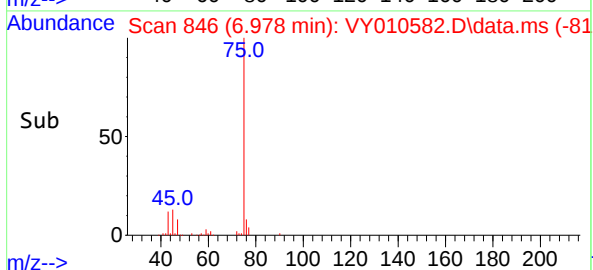
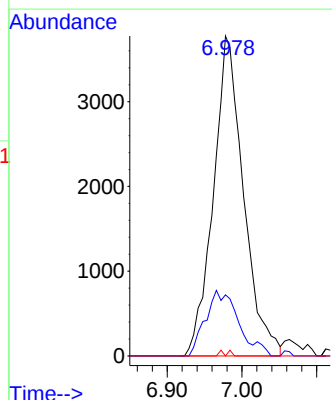
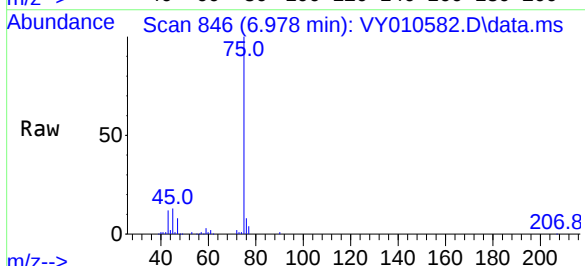
Tgt Ion: 43 Resp: 10574

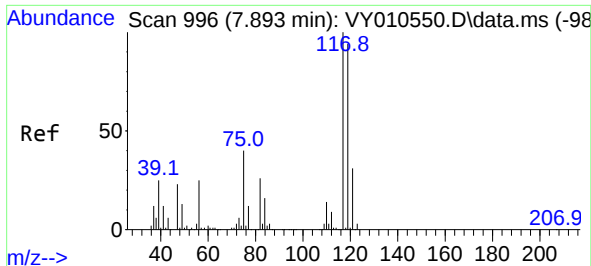
Ion Ratio Lower Upper

43 100

61 22.5 9.7 14.5#

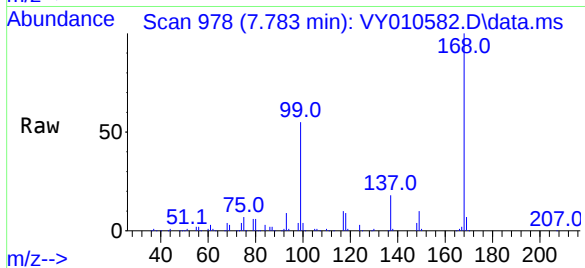
70 0.5 7.1 10.7#



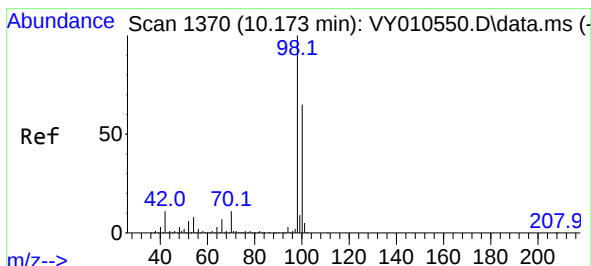
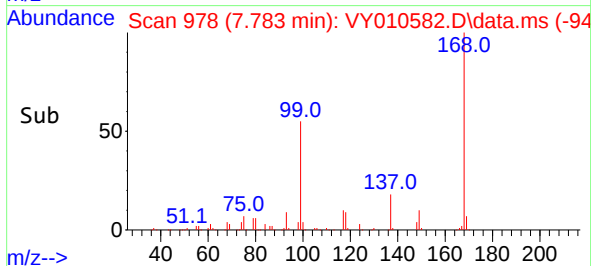
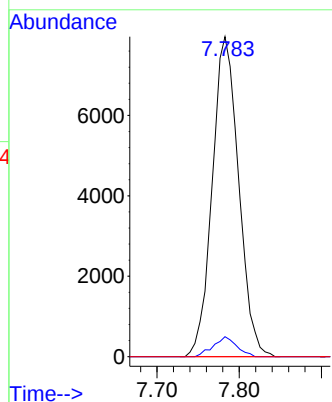


#38
Carbon Tetrachloride
Concen: 6.772 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Instrument :
MSVOA_Y
ClientSampleId :

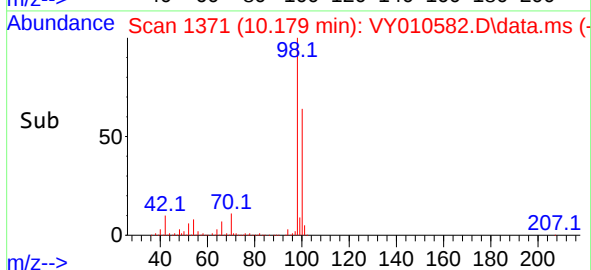
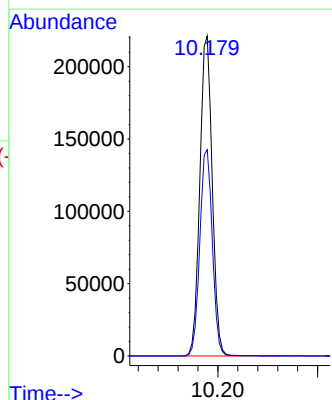
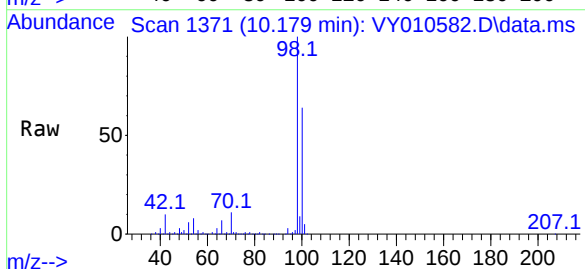


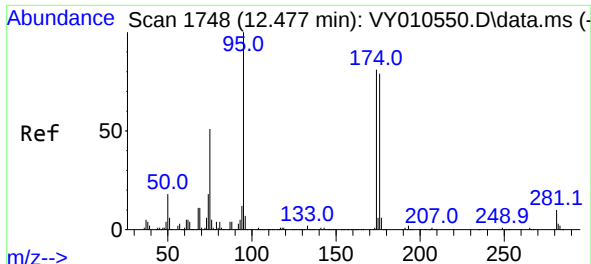
Tgt Ion:117 Resp: 17741
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.413 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 98 Resp: 381207
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

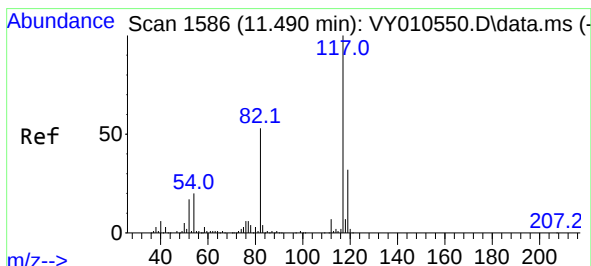
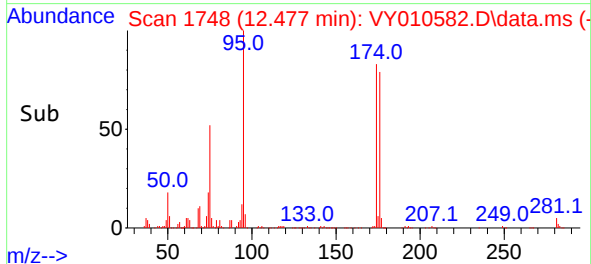
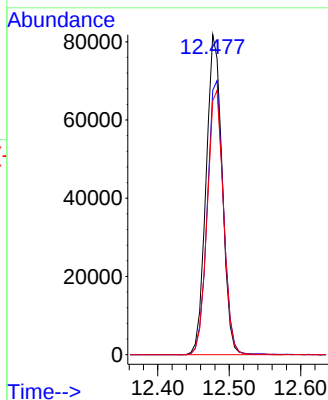
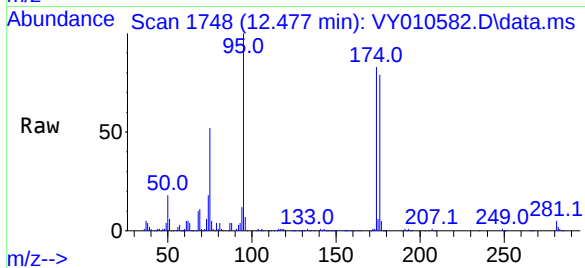




#62
4-Bromofluorobenzene
Concen: 45.217 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

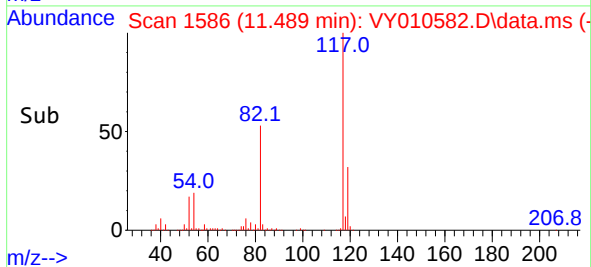
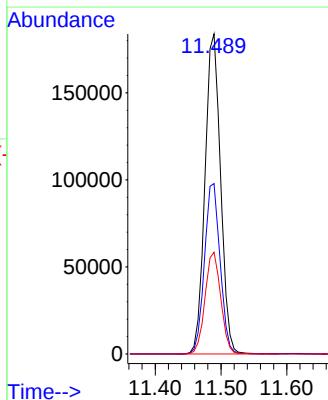
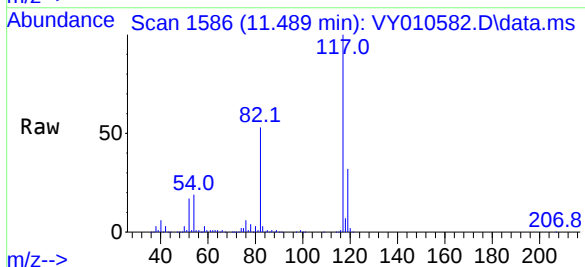
Instrument :
MSVOA_Y
ClientSampleId :

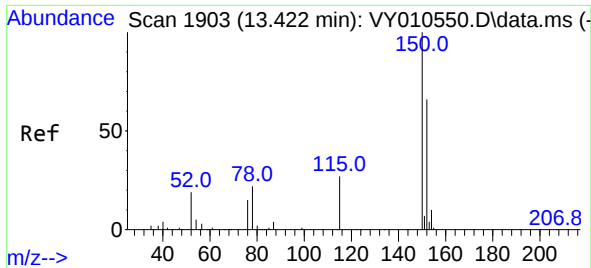
Tgt Ion: 95 Resp: 127549
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 83.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

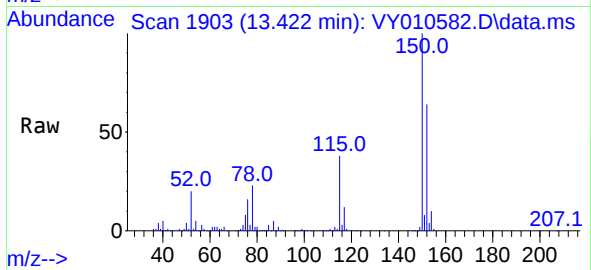
Tgt Ion: 117 Resp: 303769
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 31.8 25.4 38.0



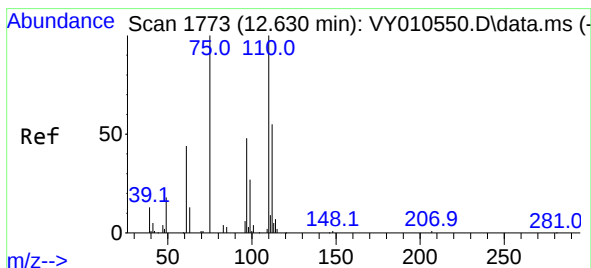
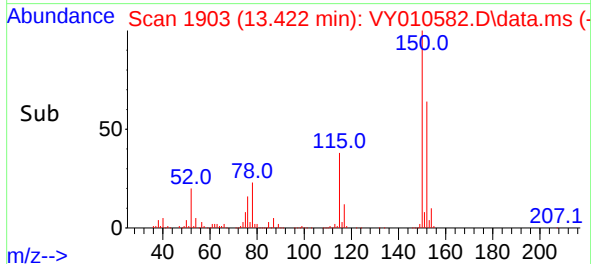
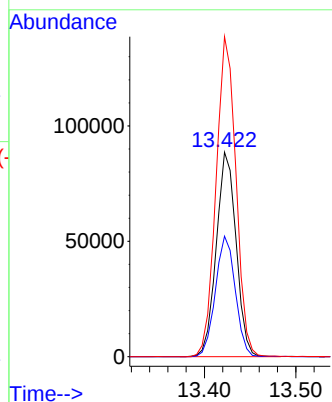


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY010582.D
 Acq: 20 Sep 2022 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :

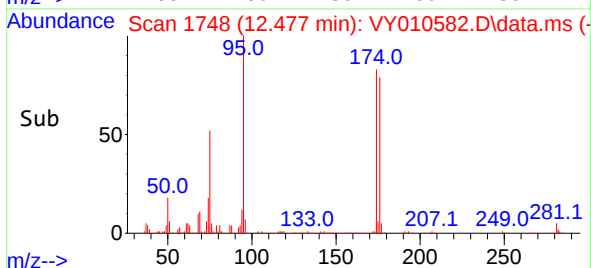
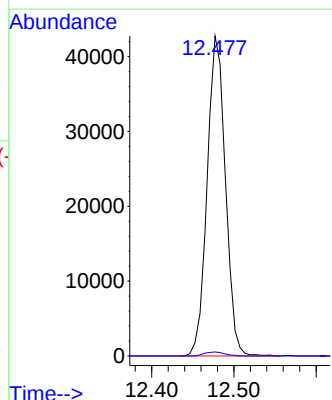
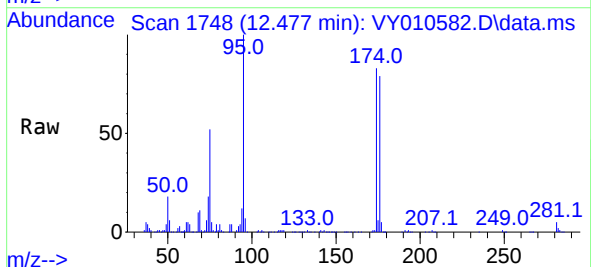


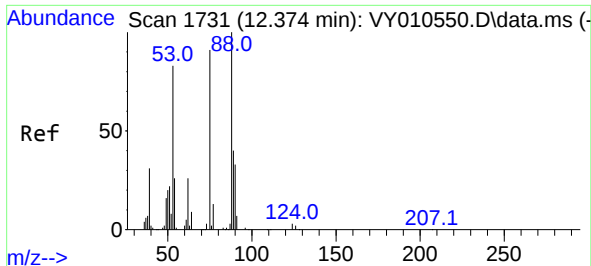
Tgt Ion:152 Resp: 133546
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.2 84.7
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.773 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010582.D
 Acq: 20 Sep 2022 17:57

Tgt Ion: 75 Resp: 65990
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

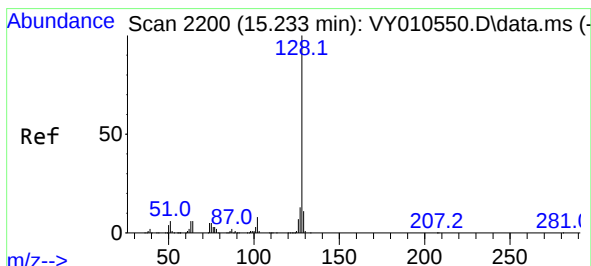
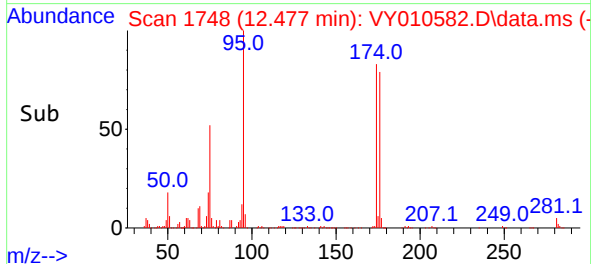
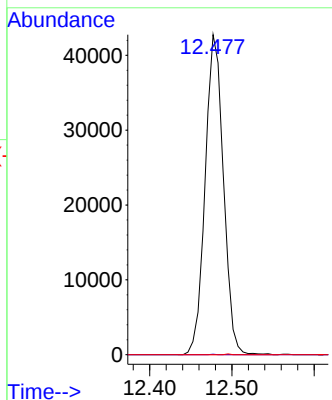
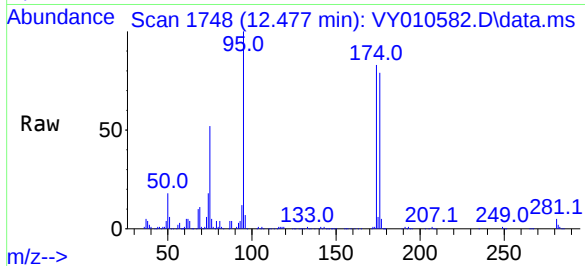




#81
trans-1,4-Dichloro-2-butene
Concen: 115.114 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 65990
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 1.362 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010582.D
Acq: 20 Sep 2022 17:57

Tgt Ion: 128 Resp: 5944
Ion Ratio Lower Upper
128 100
127 12.4 11.0 16.4
129 10.3 8.4 12.6

