

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010560.D
 Acq On : 19 Sep 2022 18:48
 Operator : KP/MD
 Sample : N4641-02
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22005-18

Quant Time: Sep 20 01:05:38 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)

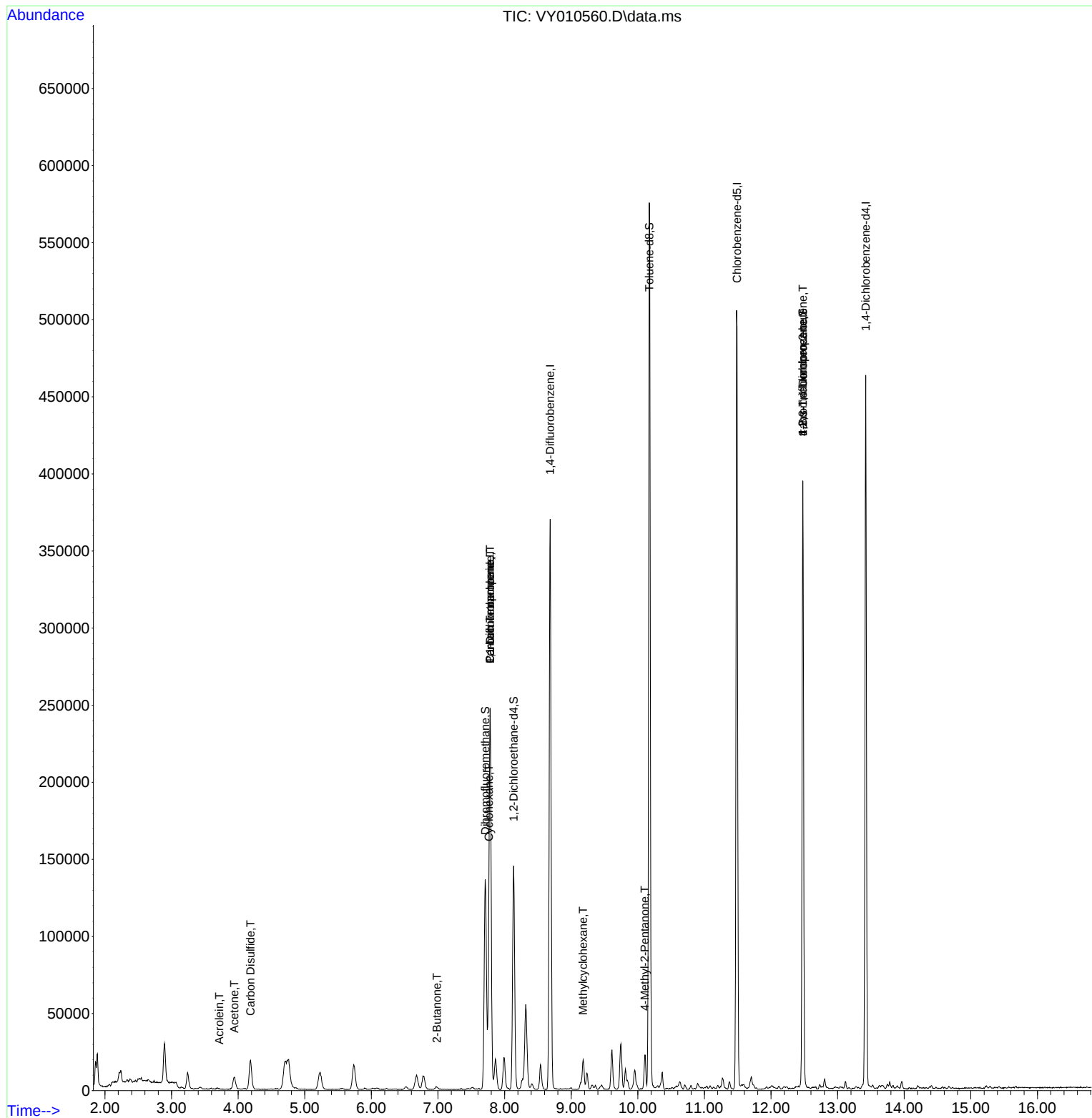
Internal Standards						
1) Pentafluorobenzene	7.783	168	185741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110463	62.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.360%			
35) Dibromofluoromethane	7.709	113	96915	47.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.280%			
50) Toluene-d8	10.172	98	375177	49.904	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.477	95	117807	41.773	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	50	Below Cal	#	43
3) Chloromethane	2.113	50	705	Below Cal		99
4) Vinyl Chloride	2.302	62	49	Below Cal	#	43
5) Bromomethane	2.649	94	646	Below Cal		100
11) Tert butyl alcohol	4.917	59	230	Below Cal	#	77
13) Acrolein	3.716	56	83	1.004	ug/l #	14
16) Acetone	3.942	43	13104	36.170	ug/l	92
17) Carbon Disulfide	4.186	76	38498	11.409	ug/l #	94
18) Methyl Acetate	4.460	43	444	Below Cal	#	56
20) Methylene Chloride	4.698	84	10257	Below Cal	#	76
25) 2-Butanone	6.984	43	1420	2.506	ug/l #	90
31) Cyclohexane	7.764	56	9069	1.029	ug/l #	76
36) 1,1-Dichloropropene	7.783	75	13388	5.906	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18198	6.982	ug/l #	16
39) Methylcyclohexane	9.179	83	4775	1.800	ug/l	98
51) 4-Methyl-2-Pentanone	10.105	43	2766	2.041	ug/l #	85
76) 1,2,3-Trichloropropane	12.477	75	59883	53.927	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59883	119.903	ug/l #	7

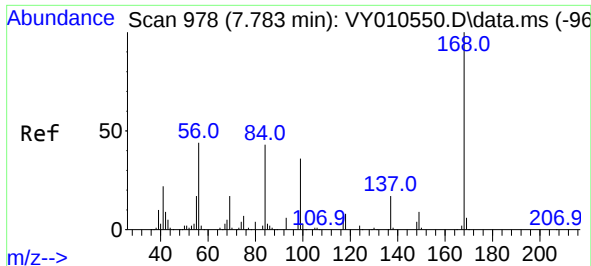
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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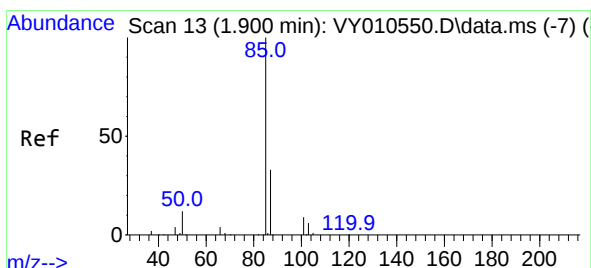
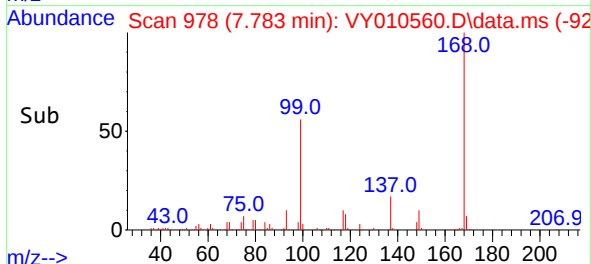
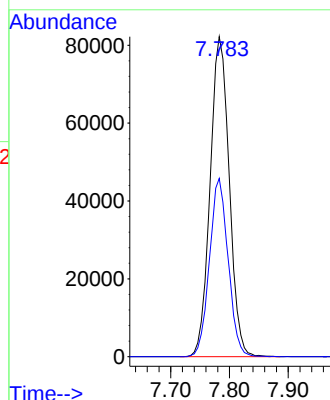
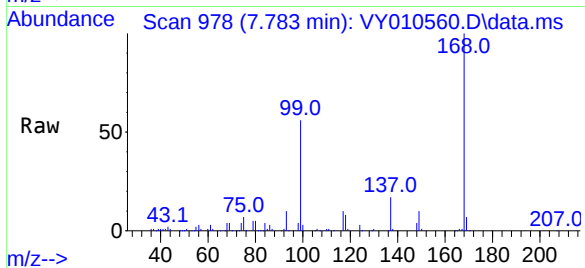




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

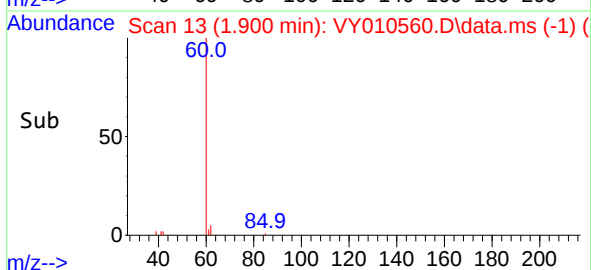
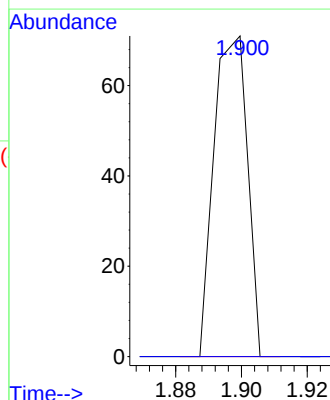
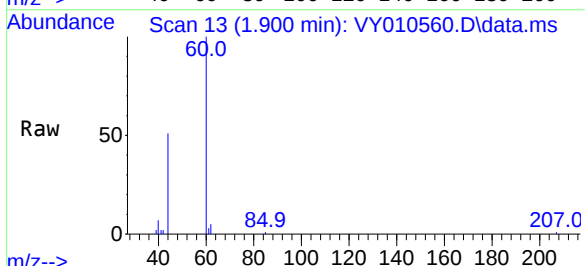
Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

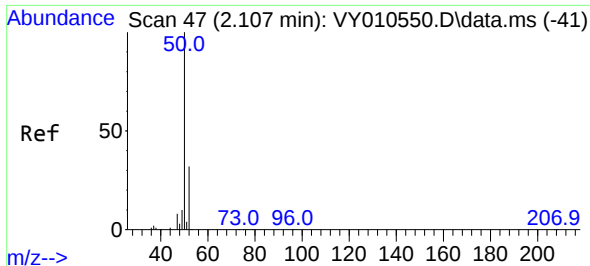
Tgt Ion:168 Resp: 185741
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion: 85 Resp: 50
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

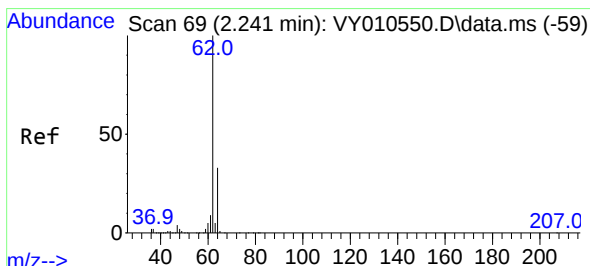
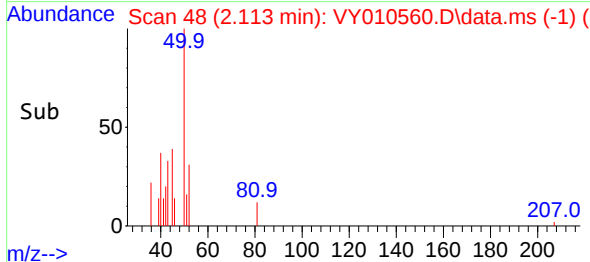
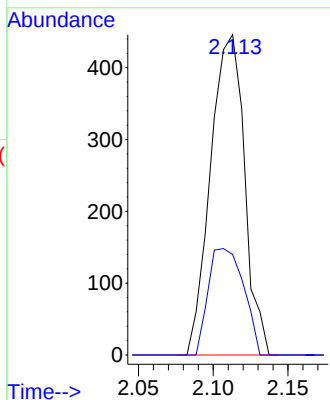
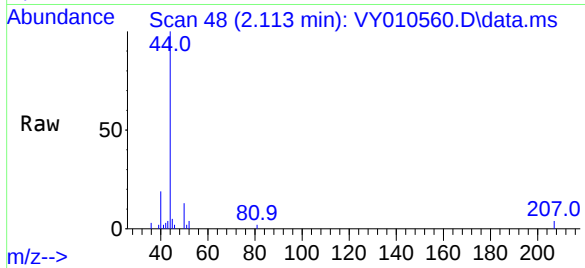




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

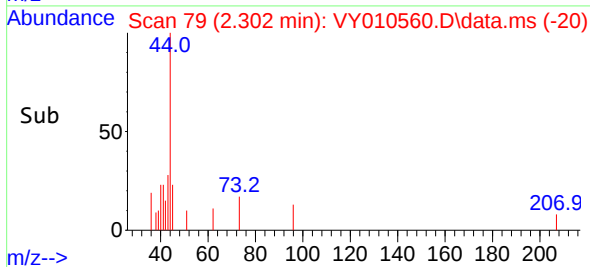
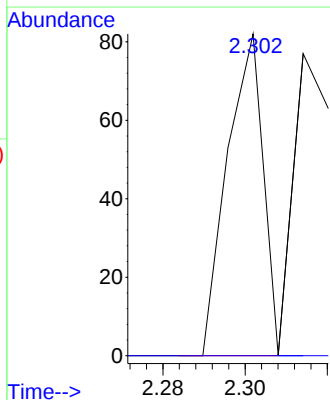
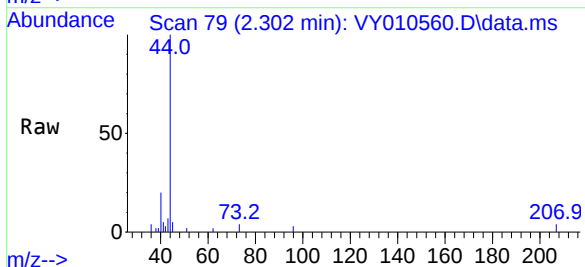
Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

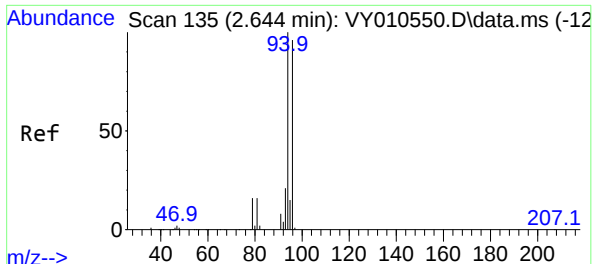
Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 31.4 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.302 min Scan# 79
Delta R.T. 0.061 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion: 62 Resp: 49
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

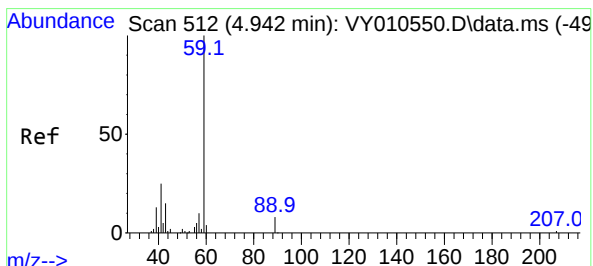
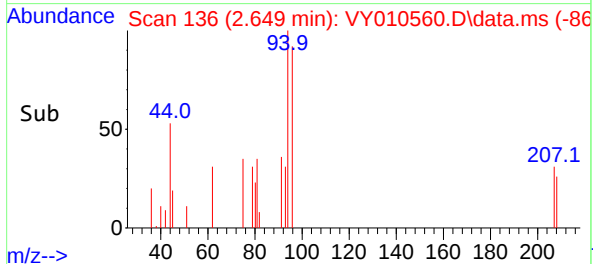
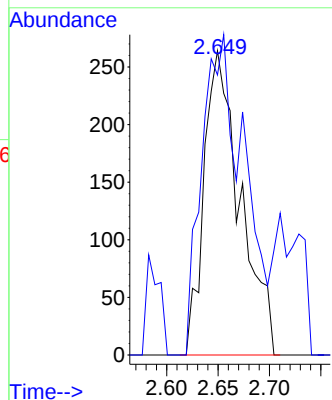
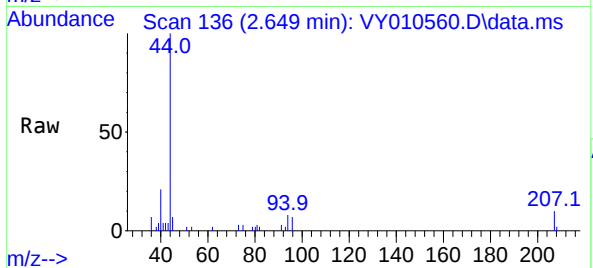




#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

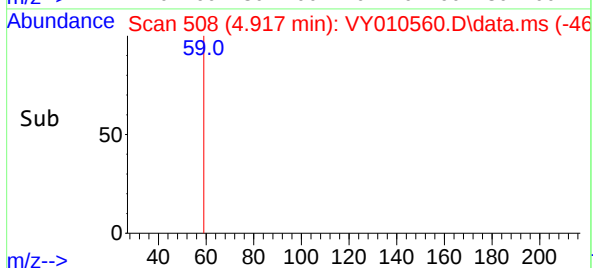
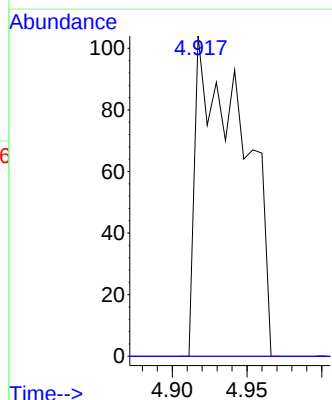
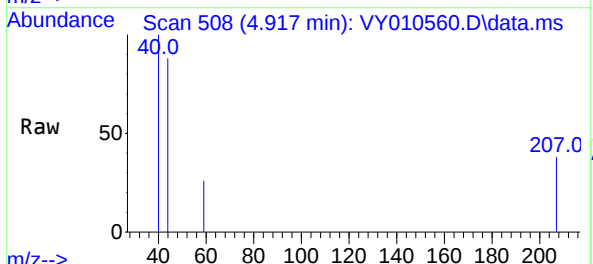
Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

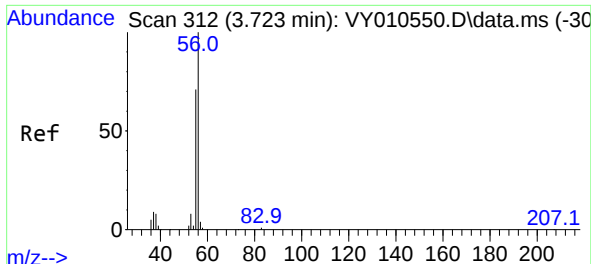
Tgt Ion: 94 Resp: 646
Ion Ratio Lower Upper
94 100
96 92.0 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.025 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

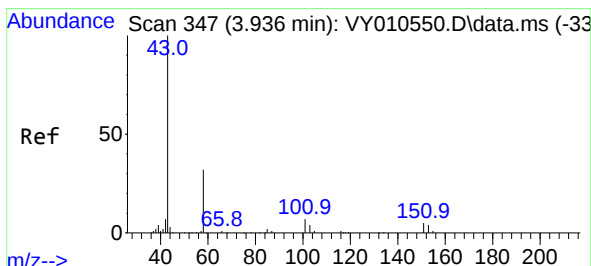
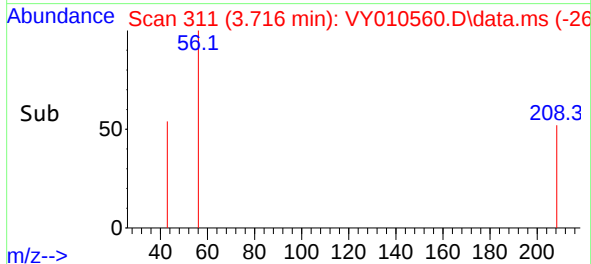
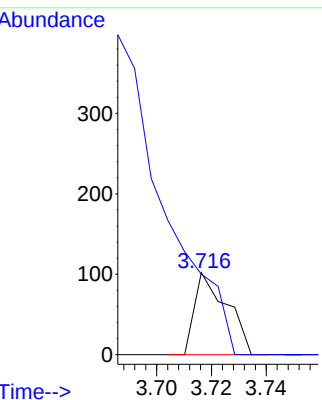
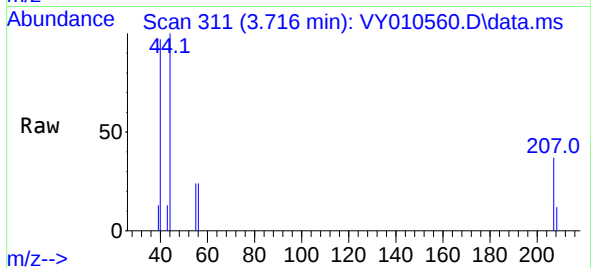




#13
Acrolein
Concen: 1.004 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

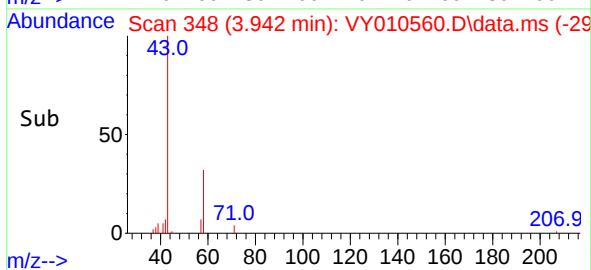
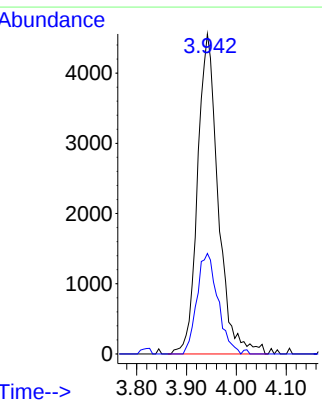
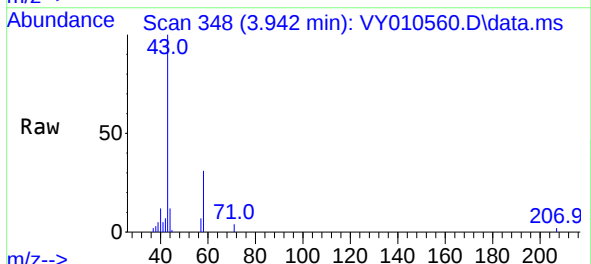
Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

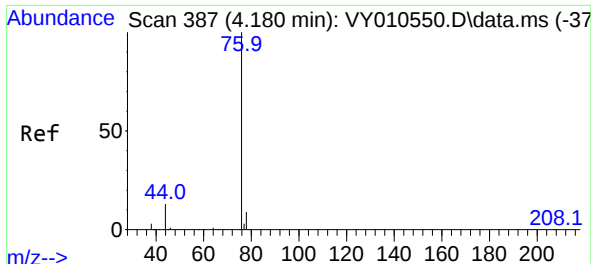
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 36.170 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion: 43 Resp: 13104
Ion Ratio Lower Upper
43 100
58 31.4 22.0 33.0

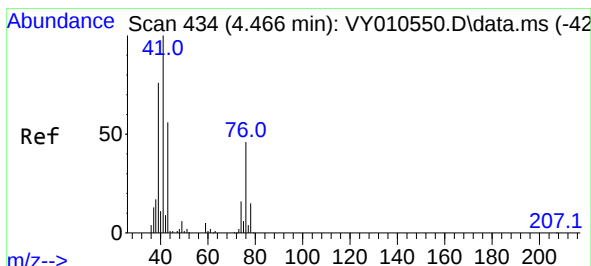
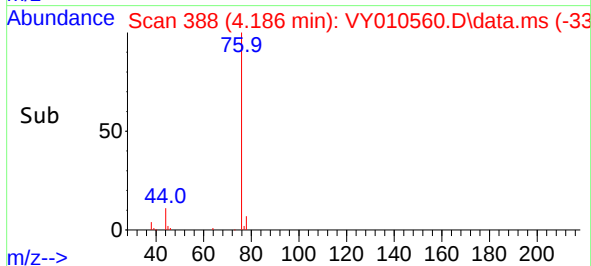
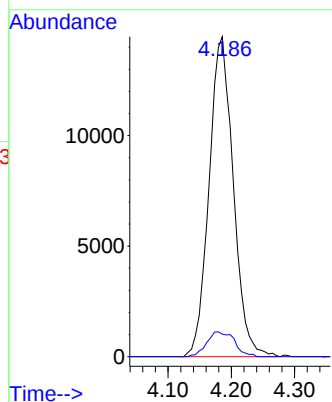
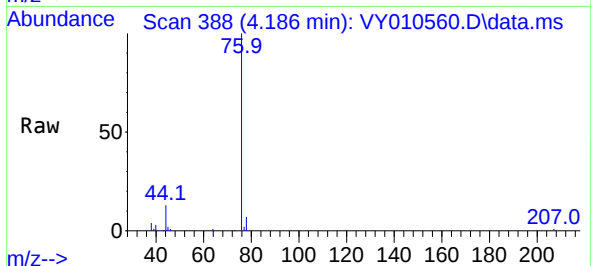




#17
Carbon Disulfide
Concen: 11.409 ug/l
RT: 4.186 min Scan# 387
Delta R.T. 0.006 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

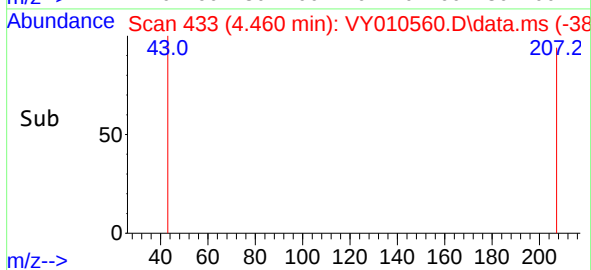
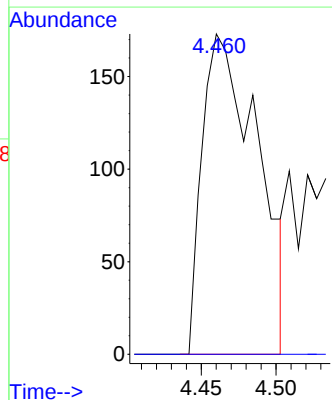
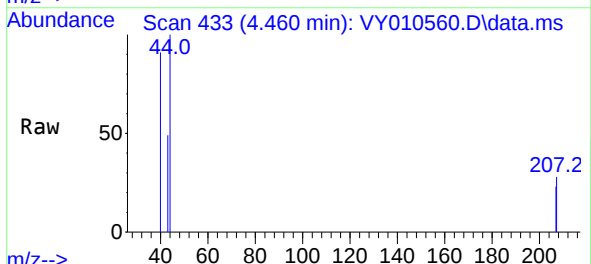
Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

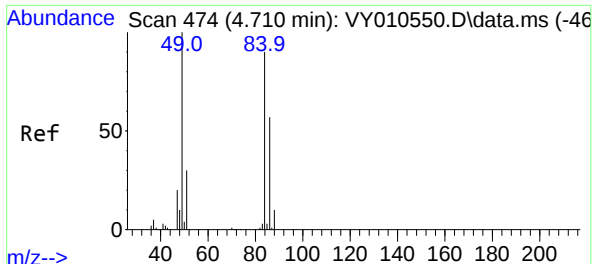
Tgt Ion: 76 Resp: 38498
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

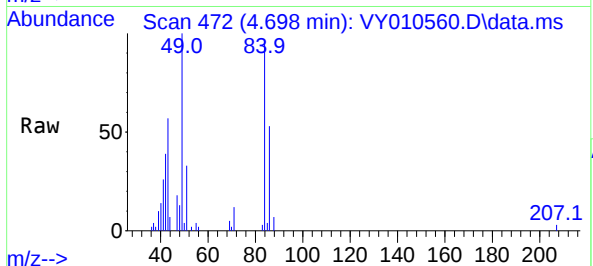
Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



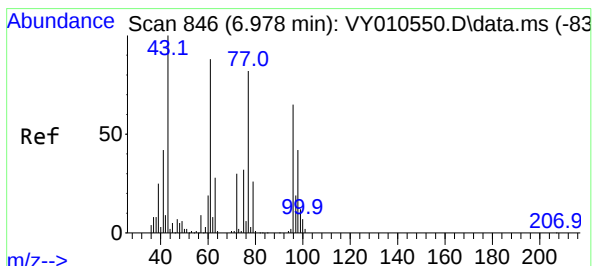
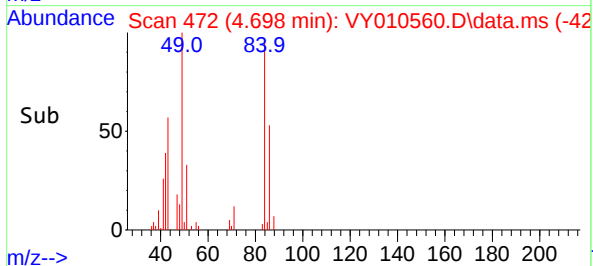
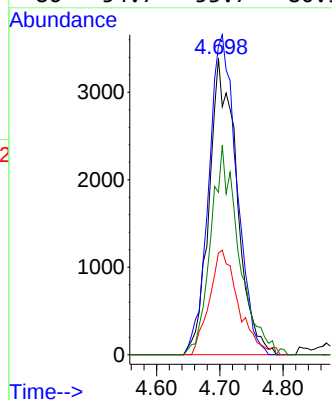


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
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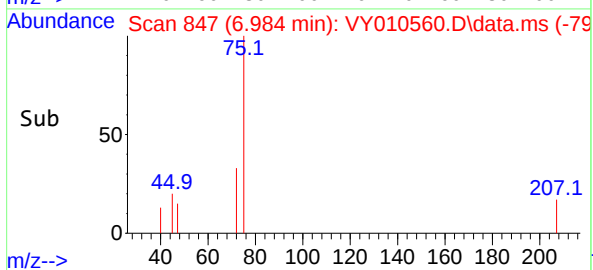
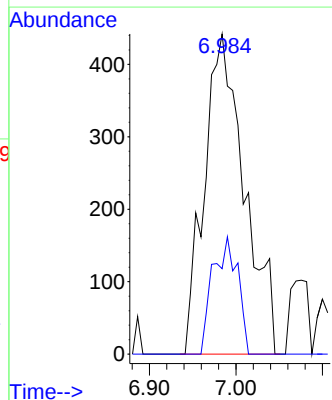
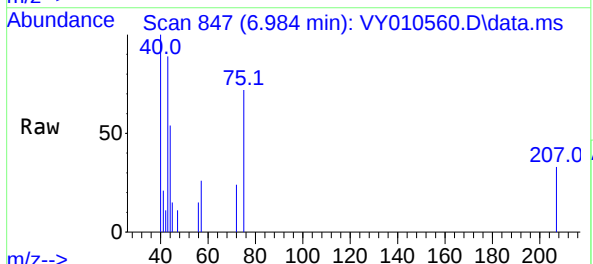


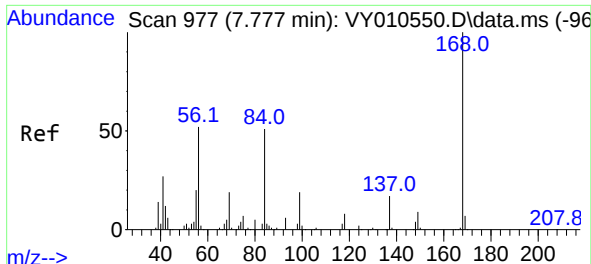
Tgt Ion: 84 Resp: 10257
Ion Ratio Lower Upper
84 100
49 104.0 114.4 171.6#
51 34.3 35.3 52.9#
86 54.7 53.7 80.5



#25
2-Butanone
Concen: 2.506 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

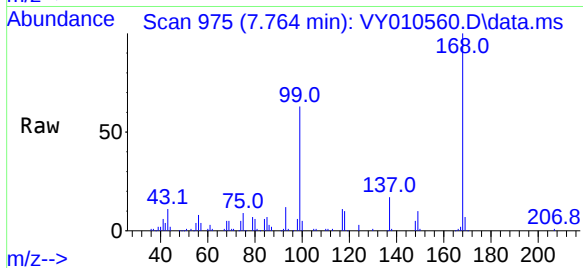
Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
72 26.7 17.7 26.5#



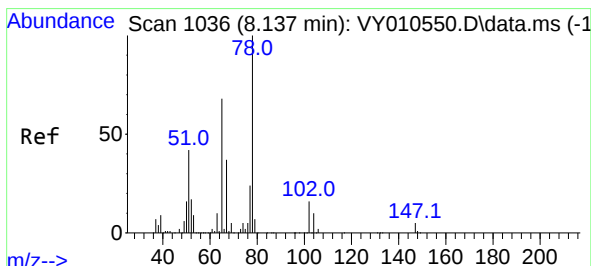
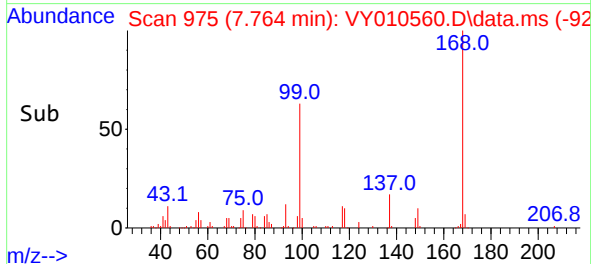
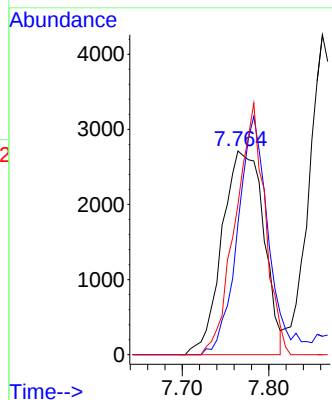


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.764 min Scan# 91
Delta R.T. -0.013 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

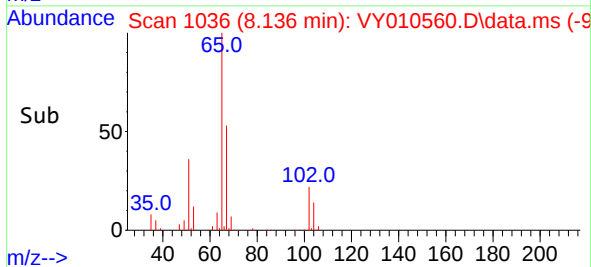
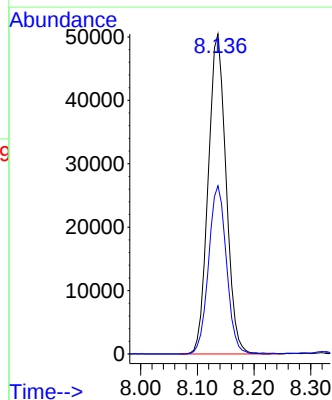
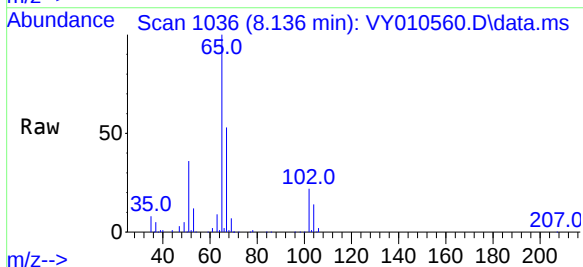


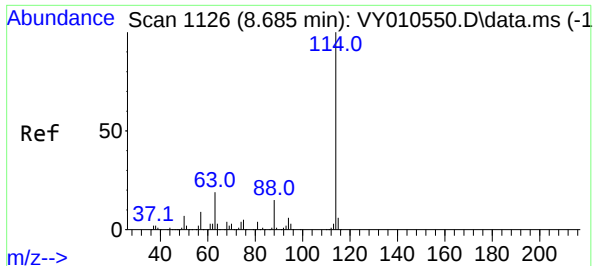
Tgt Ion: 56 Resp: 9069
Ion Ratio Lower Upper
56 100
69 64.4 26.7 40.1#
84 73.6 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 62.178 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion: 65 Resp: 110463
Ion Ratio Lower Upper
65 100
67 52.6 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: VY010560.D

Acq: 19 Sep 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

D22005-18

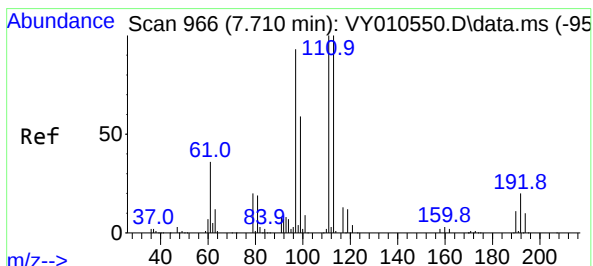
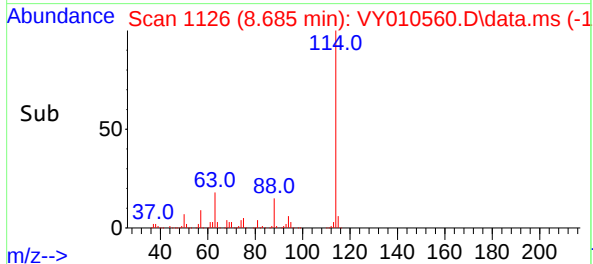
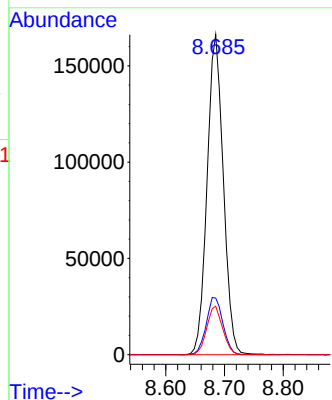
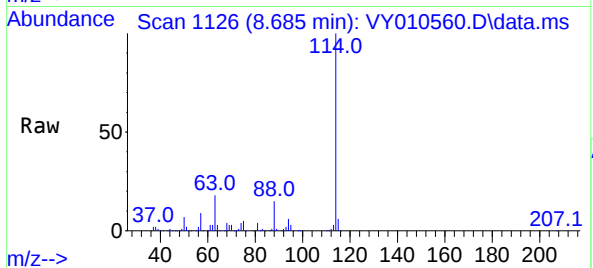
Tgt Ion:114 Resp: 318783

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.636 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.001 min

Lab File: VY010560.D

Acq: 19 Sep 2022 18:48

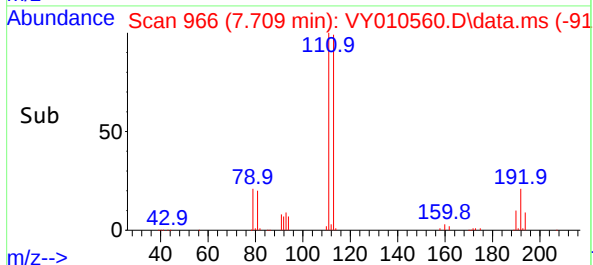
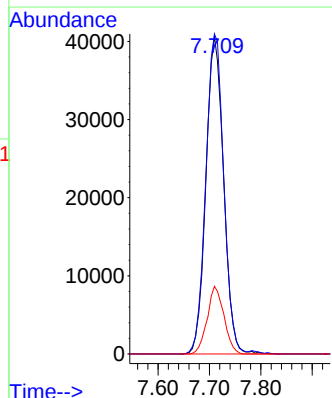
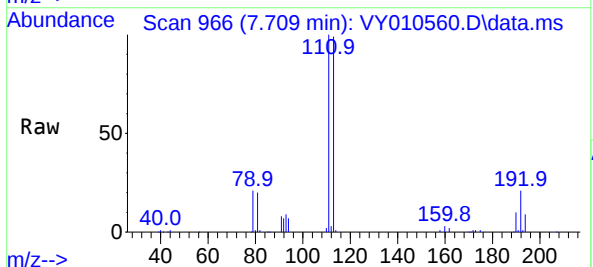
Tgt Ion:113 Resp: 96915

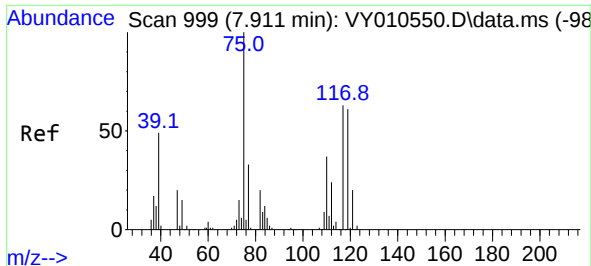
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 20.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.906 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010560.D

Acq: 19 Sep 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

D22005-18

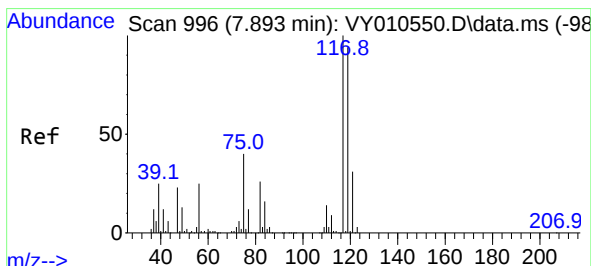
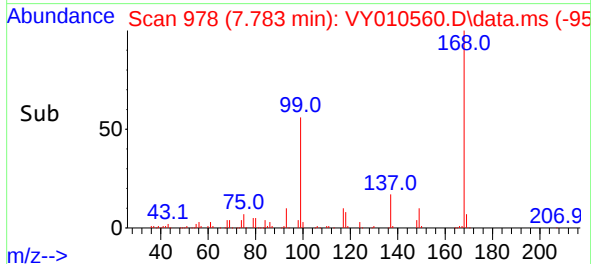
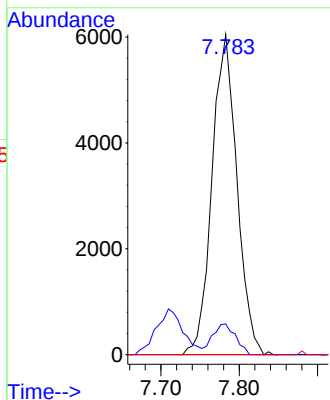
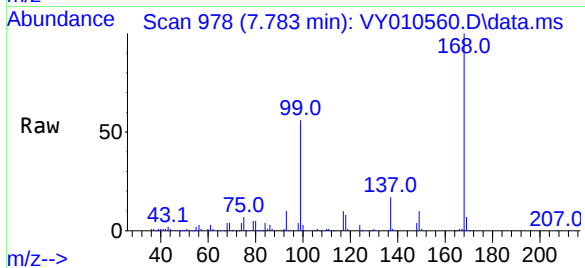
Tgt Ion: 75 Resp: 13388

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.982 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010560.D

Acq: 19 Sep 2022 18:48

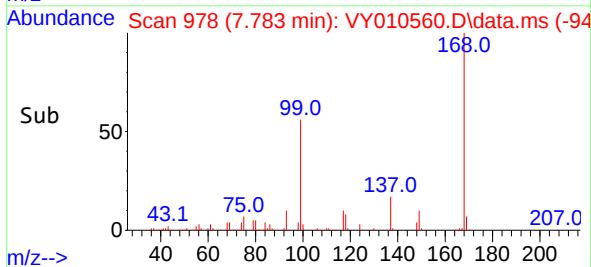
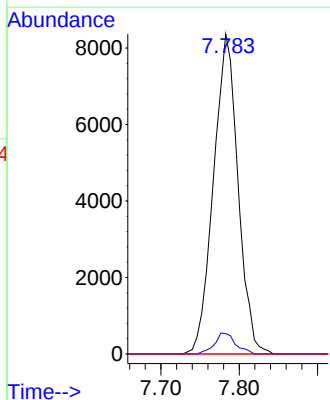
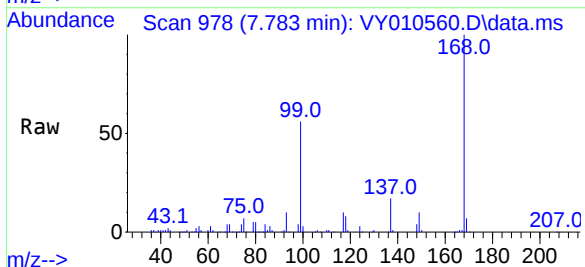
Tgt Ion: 117 Resp: 18198

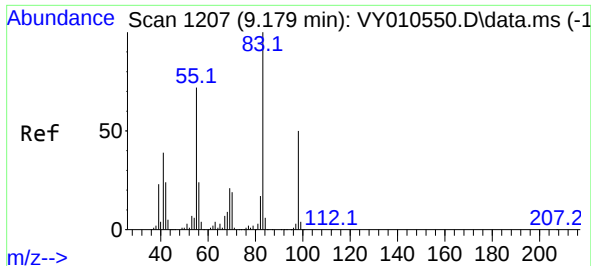
Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.800 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010560.D

Acq: 19 Sep 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

D22005-18

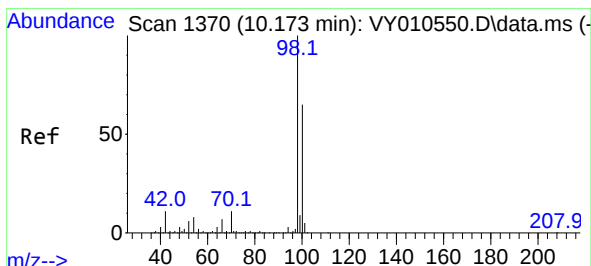
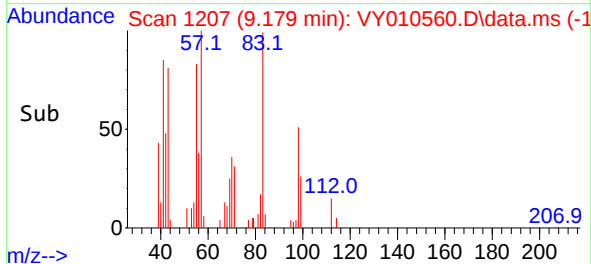
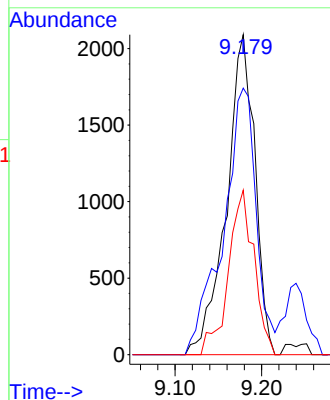
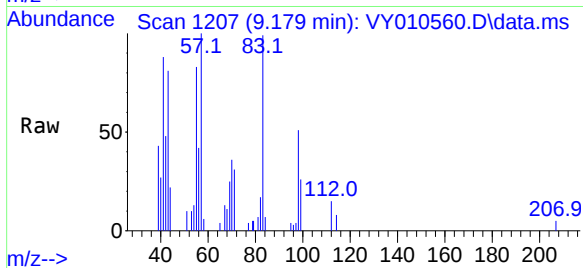
Tgt Ion: 83 Resp: 4775

Ion Ratio Lower Upper

83 100

55 83.3 66.5 99.7

98 51.4 37.9 56.9



#50

Toluene-d8

Concen: 49.904 ug/l

RT: 10.172 min Scan# 1370

Delta R.T. -0.001 min

Lab File: VY010560.D

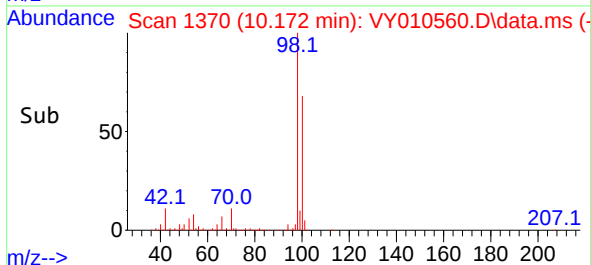
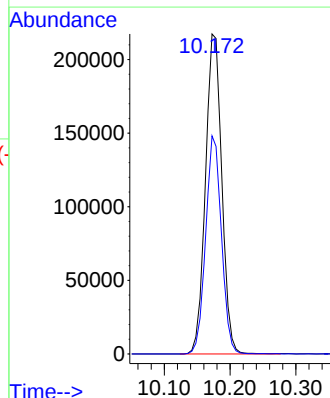
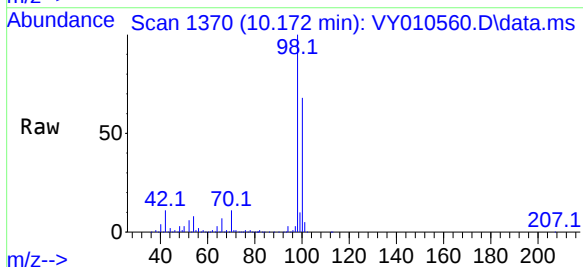
Acq: 19 Sep 2022 18:48

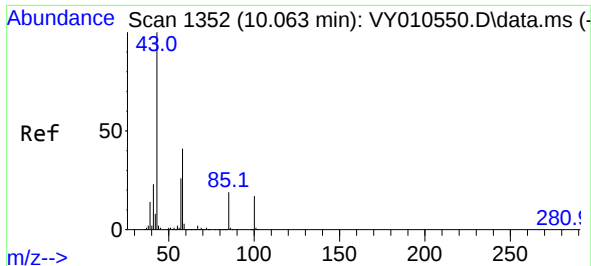
Tgt Ion: 98 Resp: 375177

Ion Ratio Lower Upper

98 100

100 65.9 50.2 75.2

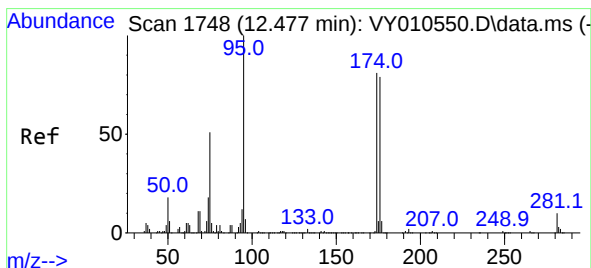
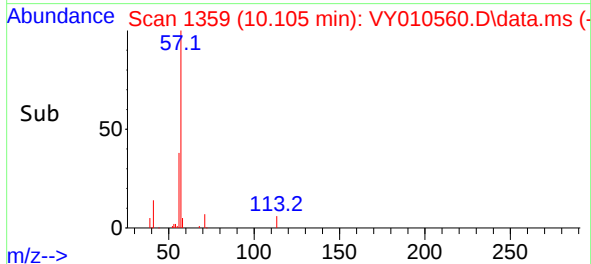
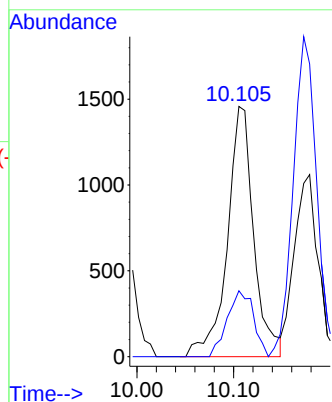
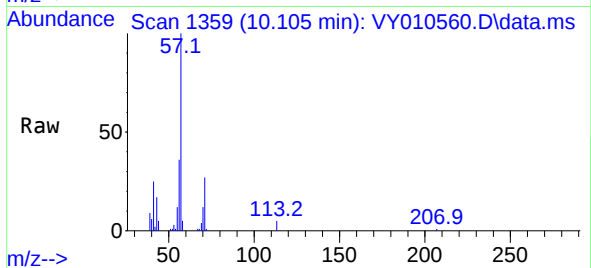




#51
4-Methyl-2-Pentanone
Concen: 2.041 ug/l
RT: 10.105 min Scan# 1359
Delta R.T. 0.042 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

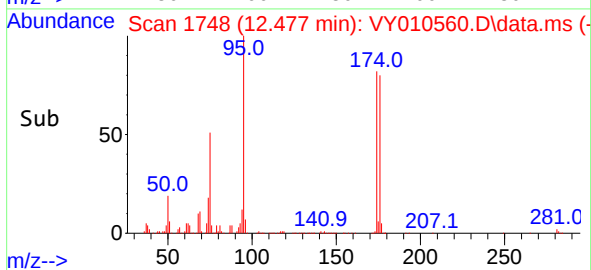
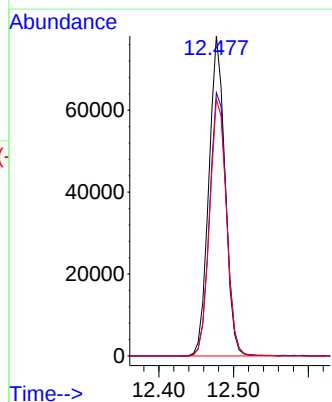
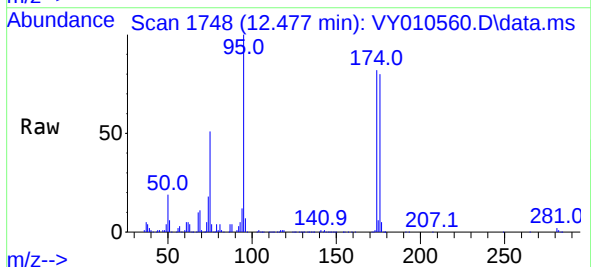
Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

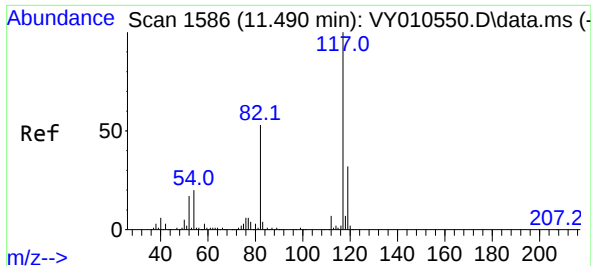
Tgt Ion: 43 Resp: 2766
Ion Ratio Lower Upper
43 100
58 26.2 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 41.773 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

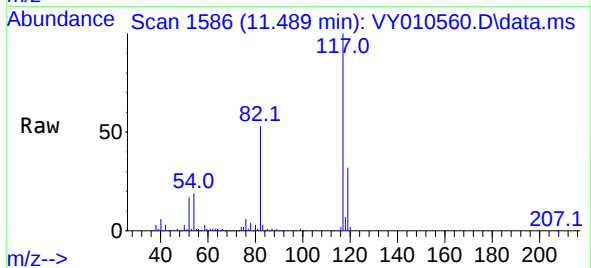
Tgt Ion: 95 Resp: 117807
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 83.1 0.0 175.8



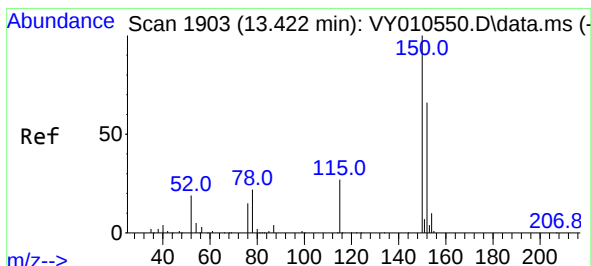
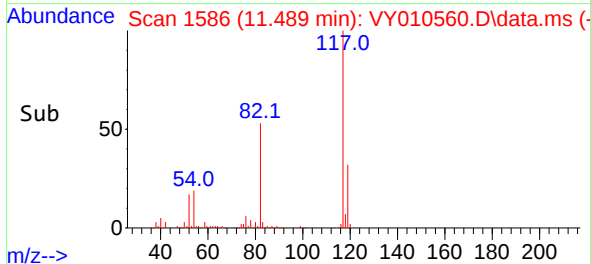
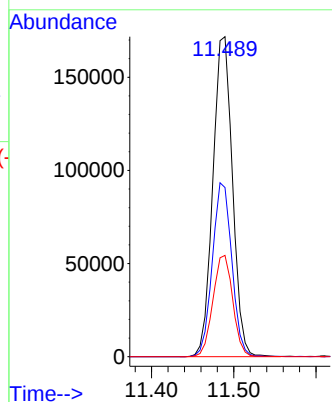


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

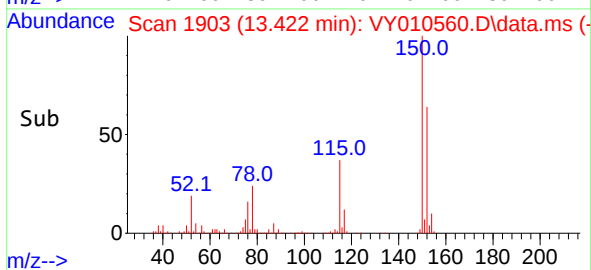
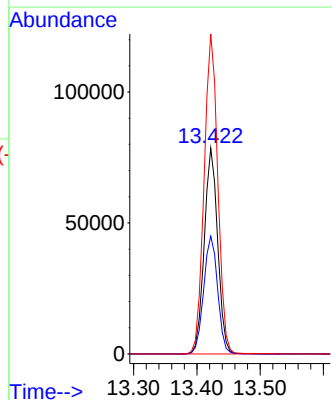
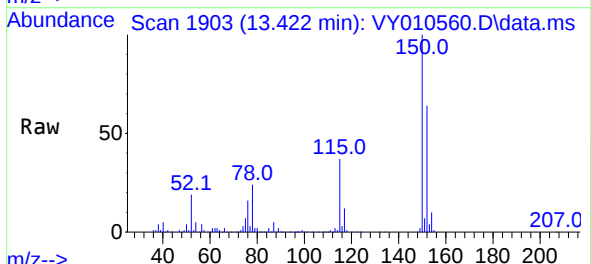


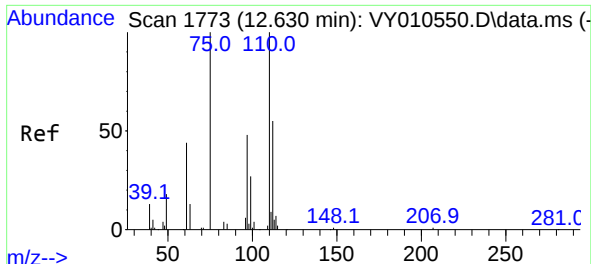
Tgt Ion:117 Resp: 284757
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion:152 Resp: 116346
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 158.3 0.0 347.6

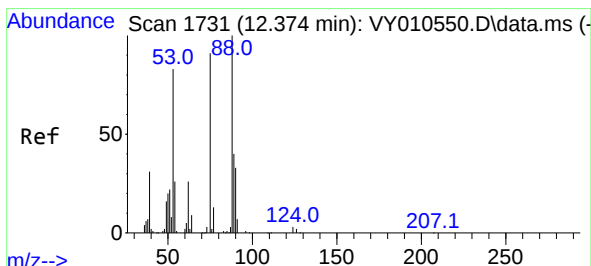
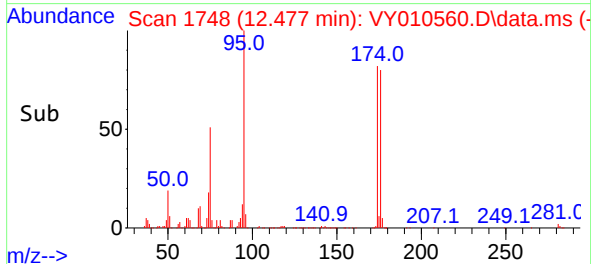
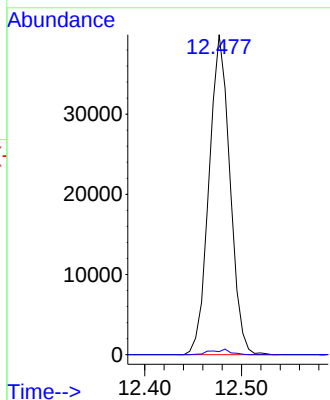
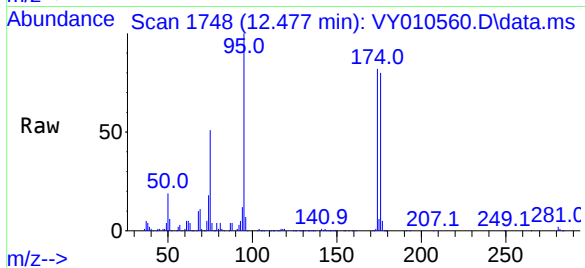




#76
1,2,3-Trichloropropane
Concen: 53.927 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
D22005-18

Tgt Ion: 75 Resp: 59883
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.903 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010560.D
Acq: 19 Sep 2022 18:48

Tgt Ion: 75 Resp: 59883
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

