

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010620.D
 Acq On : 22 Sep 2022 14:19
 Operator : KP/MD
 Sample : N4723-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13-7.5-8.0

Quant Time: Sep 23 09:02:38 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)

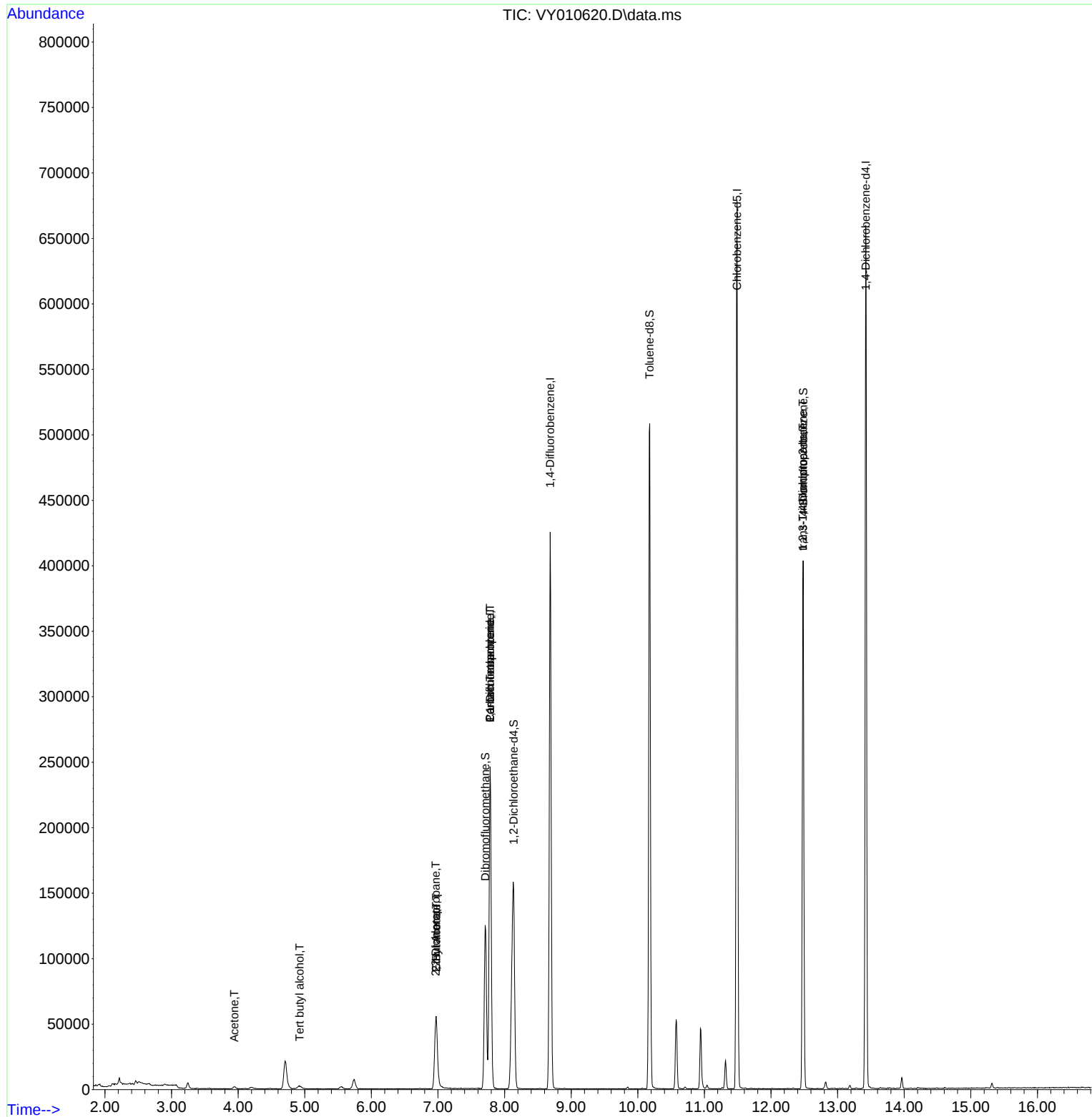
Internal Standards						
1) Pentafluorobenzene	7.783	168	188050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	363758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97431	54.169	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.340%	
35) Dibromofluoromethane	7.710	113	89457	39.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.340%	
50) Toluene-d8	10.179	98	339306	40.811	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.620%	
62) 4-Bromofluorobenzene	12.483	95	112301	35.041	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 70.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	993	Below Cal		89
3) Chloromethane	2.107	50	446	Below Cal	#	82
4) Vinyl Chloride	2.272	62	47	Below Cal	#	43
5) Bromomethane	2.662	94	300	Below Cal	#	4
11) Tert butyl alcohol	4.924	59	2967	7.610	ug/l #	77
16) Acetone	3.942	43	3086	8.413	ug/l #	87
17) Carbon Disulfide	4.186	76	44	Below Cal	#	75
18) Methyl Acetate	4.466	43	563	Below Cal	#	56
20) Methylene Chloride	4.704	84	16265	Below Cal		84
25) 2-Butanone	6.972	43	2865	4.994	ug/l #	85
26) 2,2-Dichloropropane	6.966	77	4181	1.533	ug/l #	55
31) Cyclohexane	7.783	56	3911	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14740	5.792	ug/l #	51
37) Ethyl Acetate	6.972	43	2865	1.949	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18586	6.352	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	59208	36.587	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59208	81.350	ug/l #	7

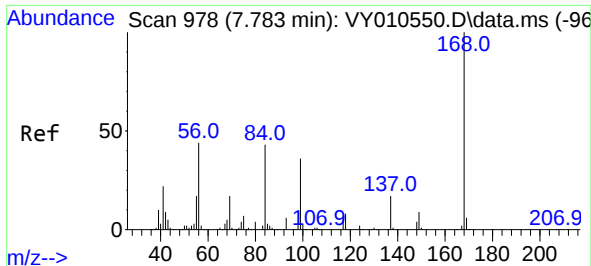
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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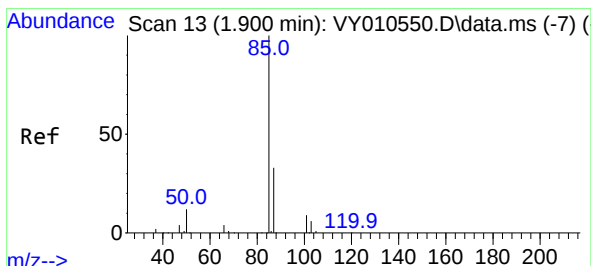
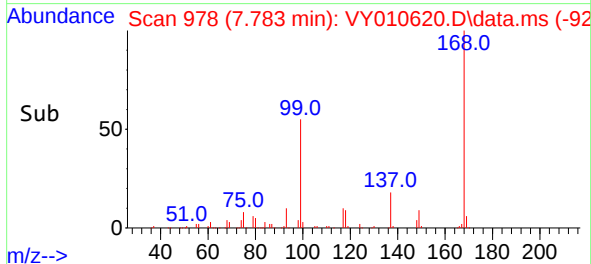
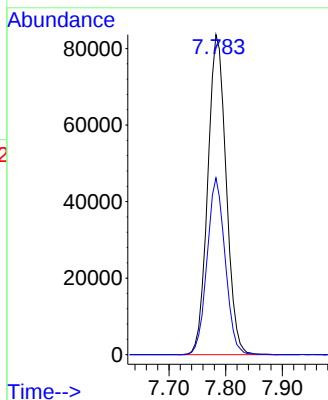
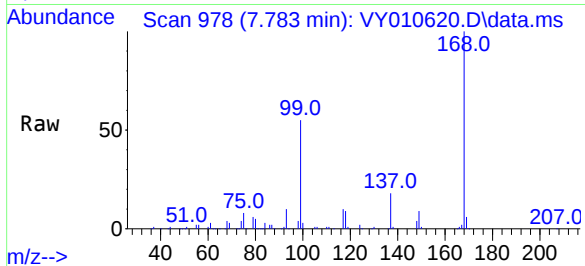




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

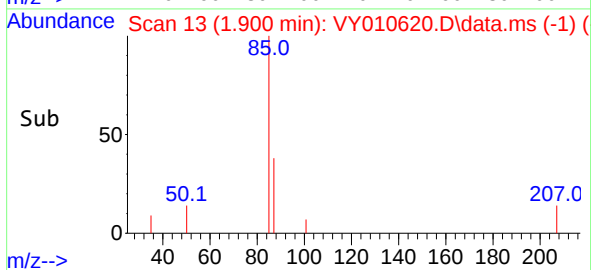
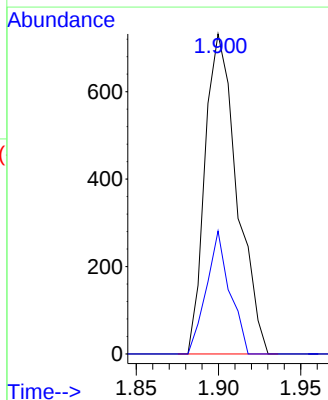
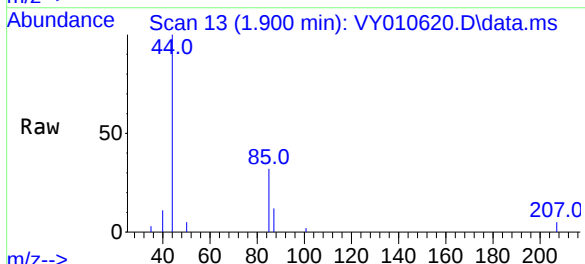
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-7.5-8.0

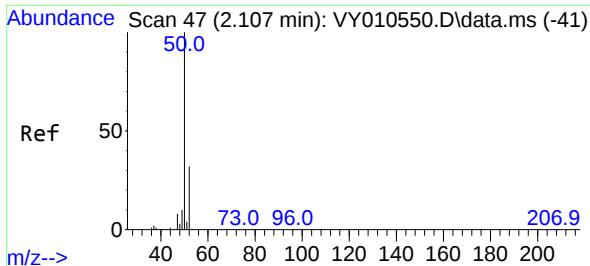
Tgt Ion:168 Resp: 188050
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 85 Resp: 993
Ion Ratio Lower Upper
85 100
87 38.4 16.1 48.2

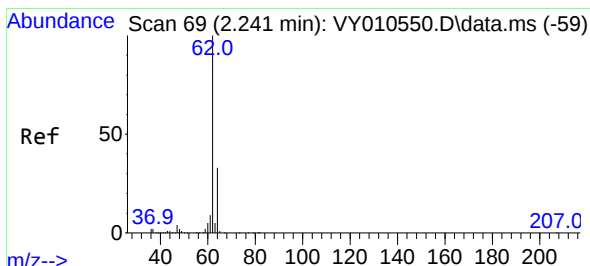
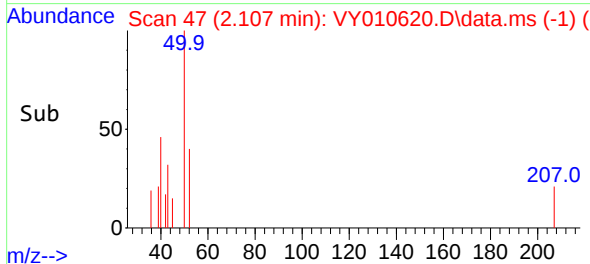
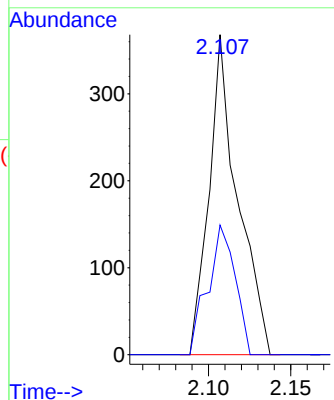
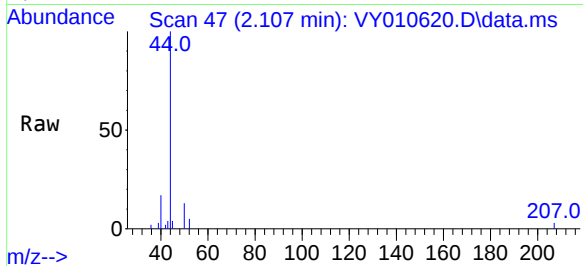




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

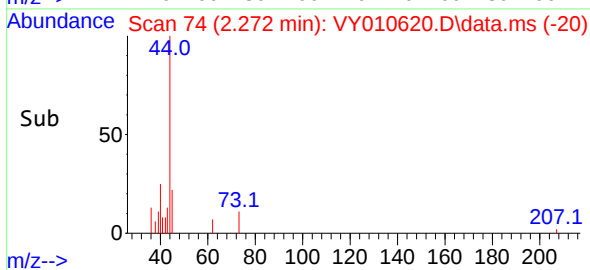
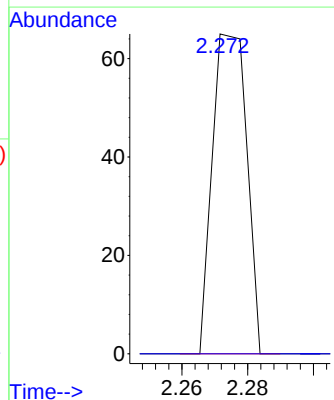
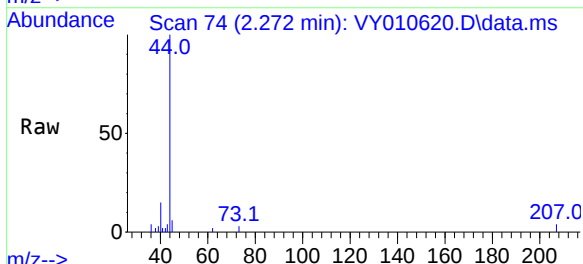
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-7.5-8.0

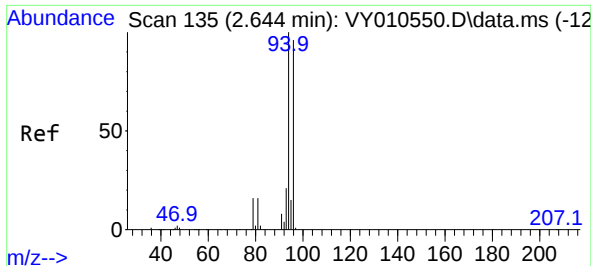
Tgt Ion: 50 Resp: 446
Ion Ratio Lower Upper
50 100
52 40.5 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.272 min Scan# 74
Delta R.T. 0.031 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 62 Resp: 47
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

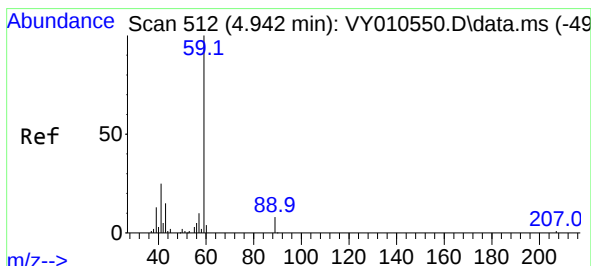
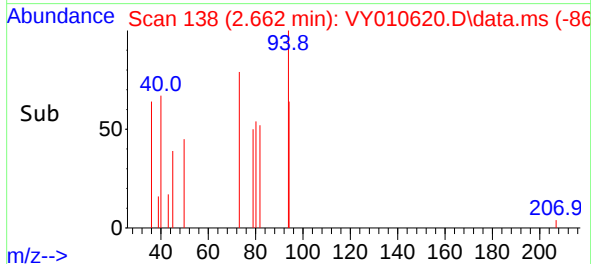
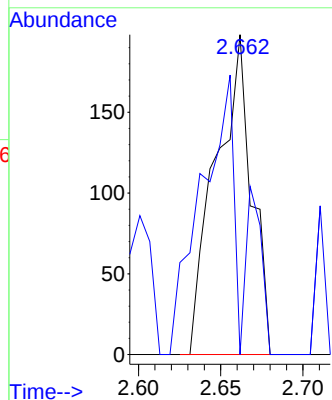
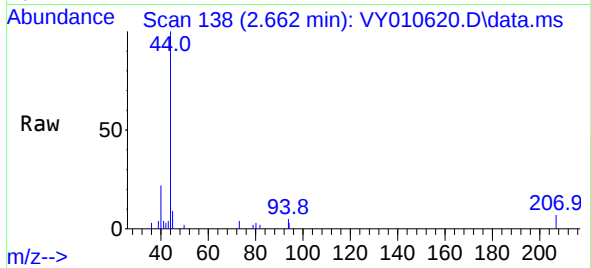




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

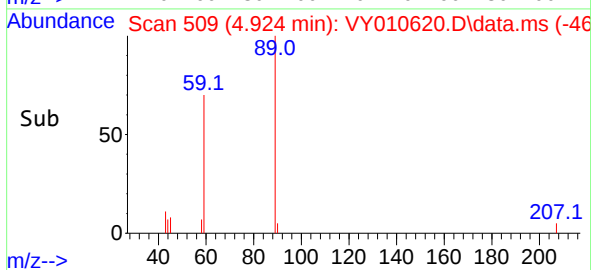
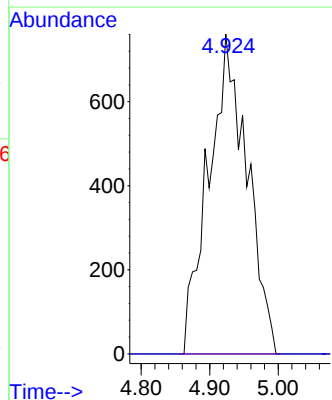
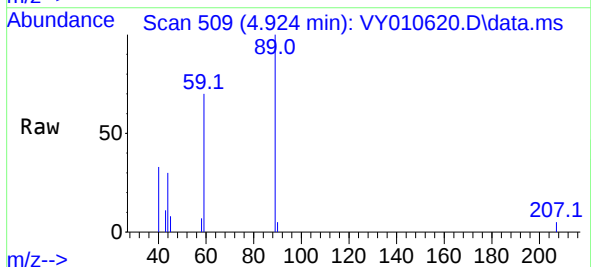
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-7.5-8.0

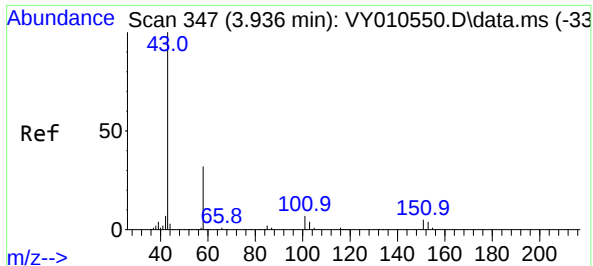
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 7.610 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 59 Resp: 2967
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

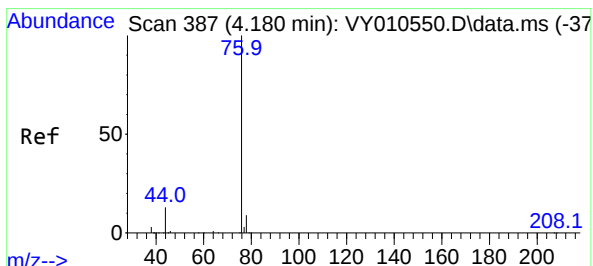
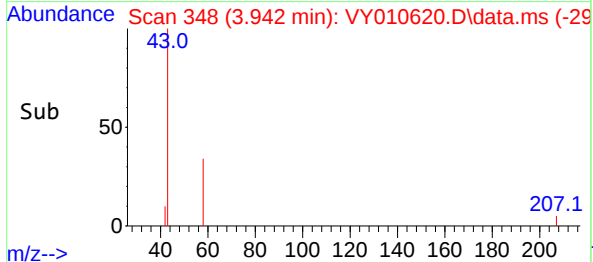
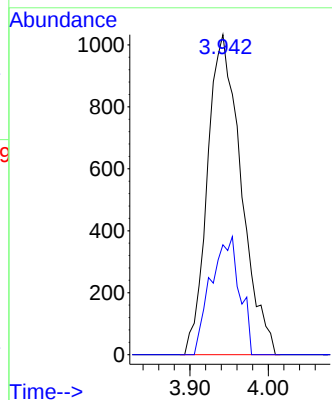
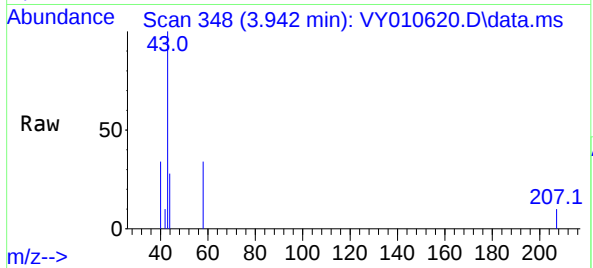




#16
Acetone
Concen: 8.413 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

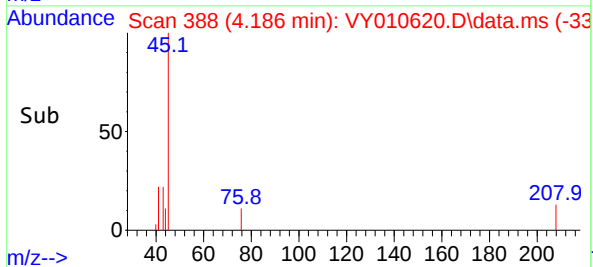
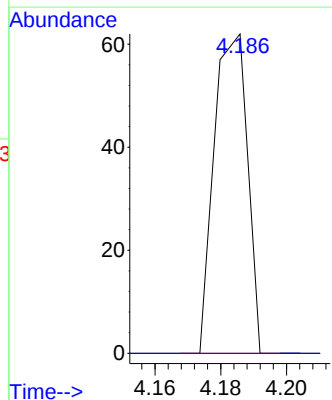
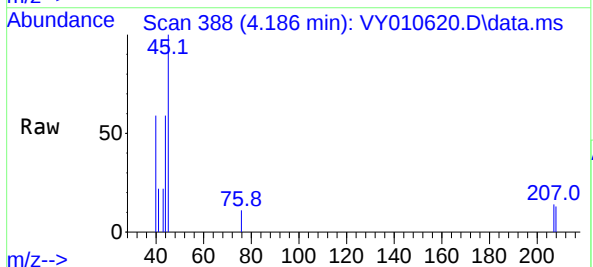
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-7.5-8.0

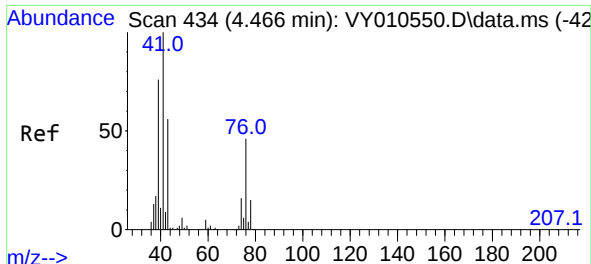
Tgt Ion: 43 Resp: 3086
Ion Ratio Lower Upper
43 100
58 34.4 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 76 Resp: 44
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010620.D

Acq: 22 Sep 2022 14:19

Instrument :

MSVOA_Y

ClientSampleId :

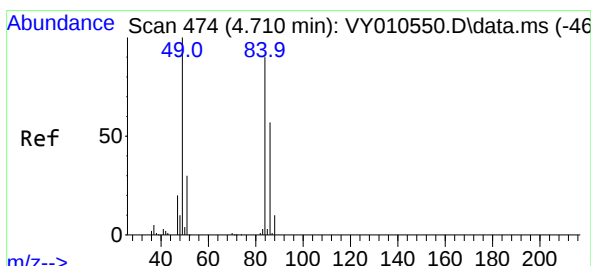
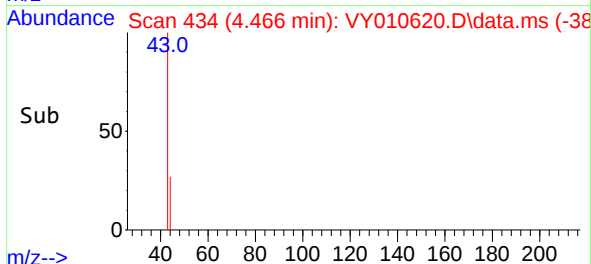
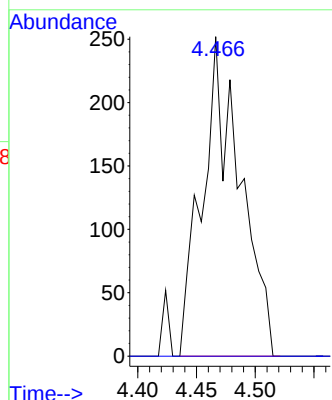
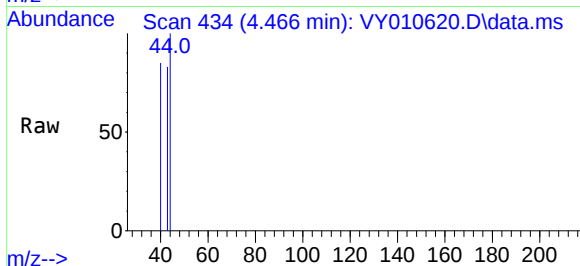
SB-13-7.5-8.0

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010620.D

Acq: 22 Sep 2022 14:19

Tgt Ion: 84 Resp: 16265

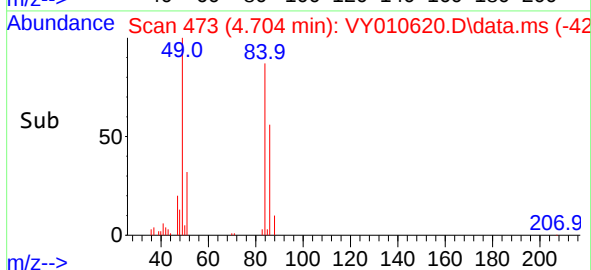
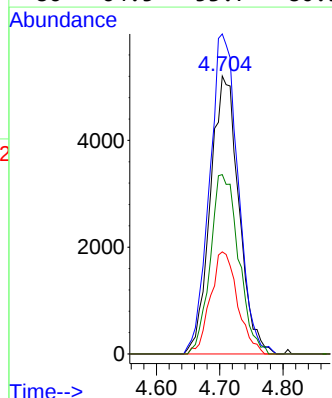
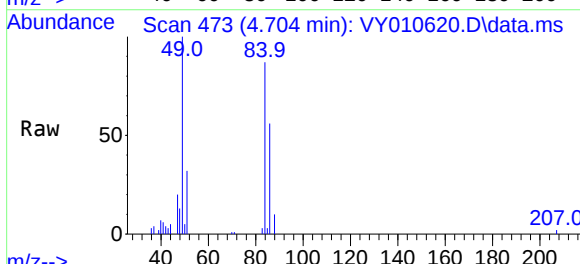
Ion Ratio Lower Upper

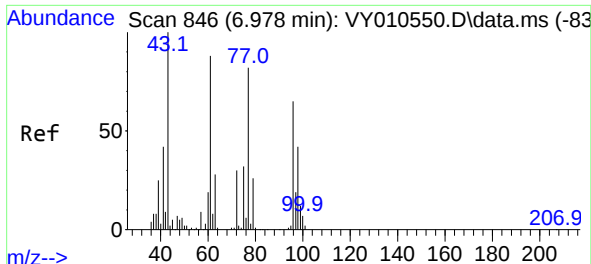
84 100

49 115.1 114.4 171.6

51 36.7 35.3 52.9

86 64.5 53.7 80.5





#25

2-Butanone

Concen: 4.994 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010620.D

Acq: 22 Sep 2022 14:19

Instrument :

MSVOA_Y

ClientSampleId :

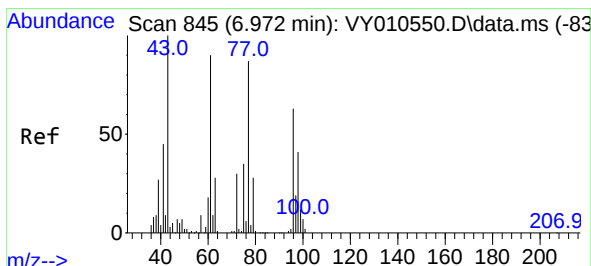
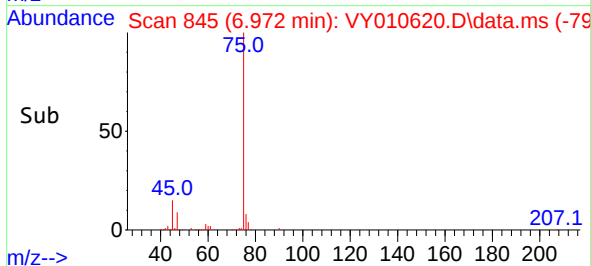
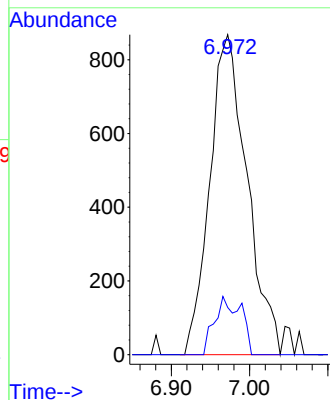
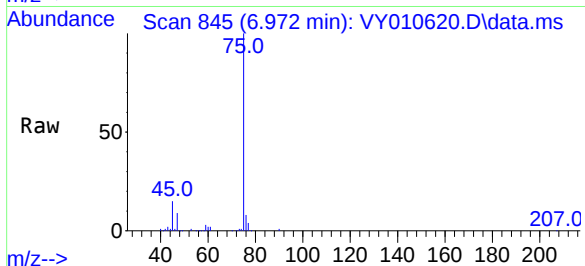
SB-13-7.5-8.0

Tgt Ion: 43 Resp: 2865

Ion Ratio Lower Upper

43 100

72 14.7 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.533 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010620.D

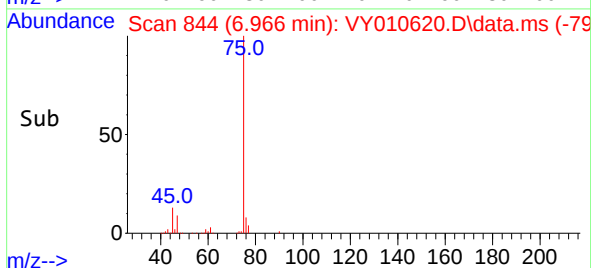
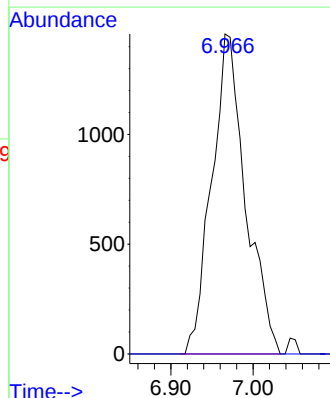
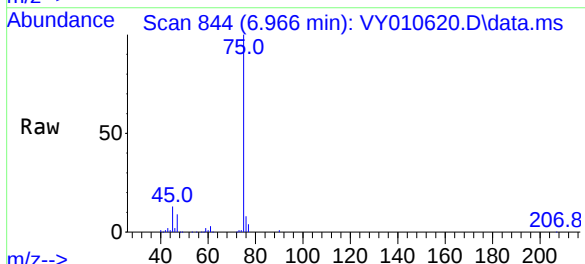
Acq: 22 Sep 2022 14:19

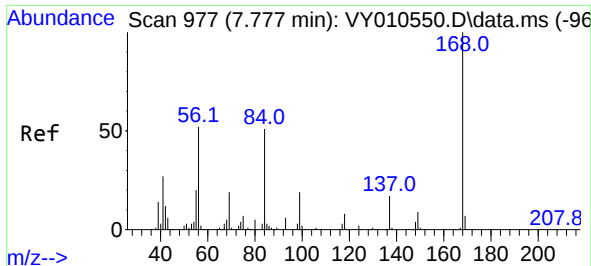
Tgt Ion: 77 Resp: 4181

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

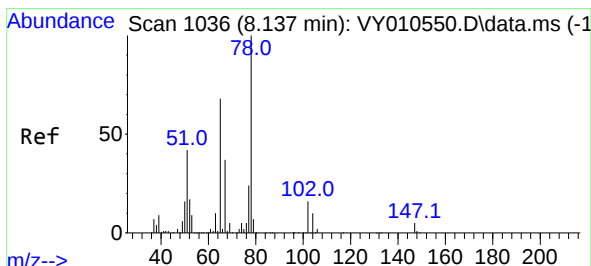
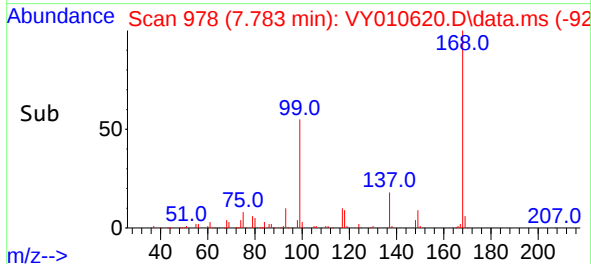
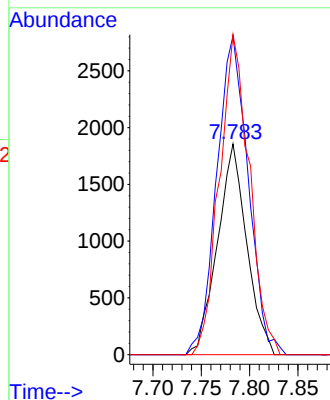
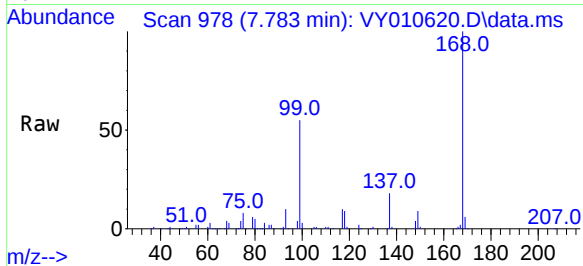




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

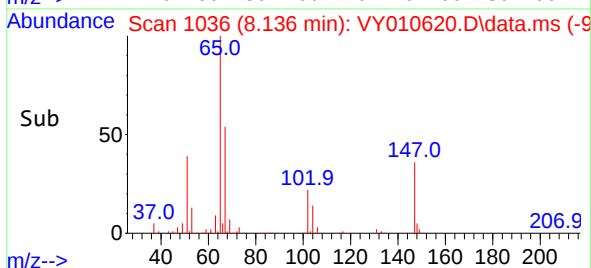
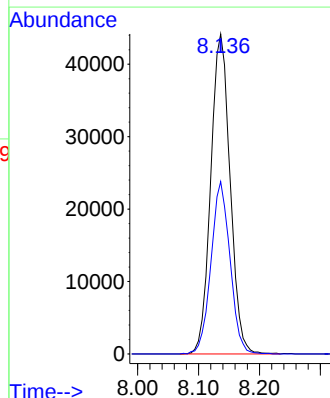
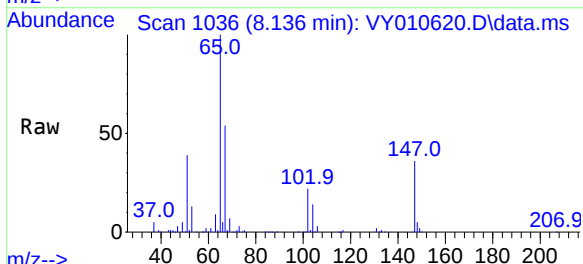
Instrument :
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SB-13-7.5-8.0

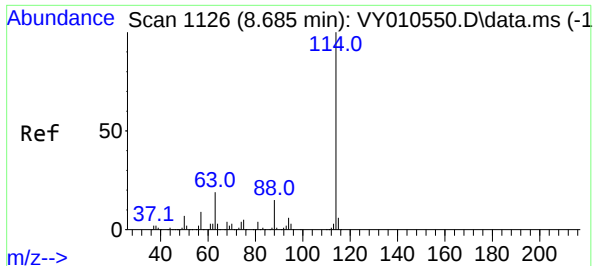
Tgt Ion: 56 Resp: 3911
Ion Ratio Lower Upper
56 100
69 151.3 26.7 40.1#
84 151.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.169 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 65 Resp: 97431
Ion Ratio Lower Upper
65 100
67 53.0 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: VY010620.D

Acq: 22 Sep 2022 14:19

Instrument :

MSVOA_Y

ClientSampleId :

SB-13-7.5-8.0

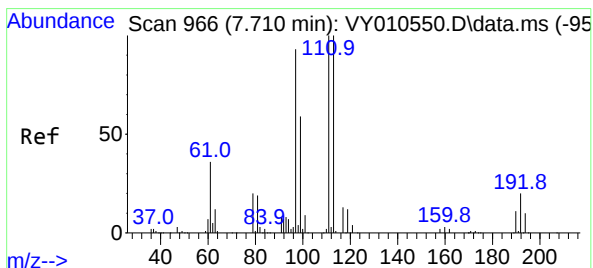
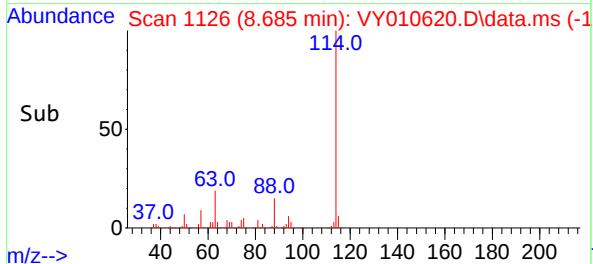
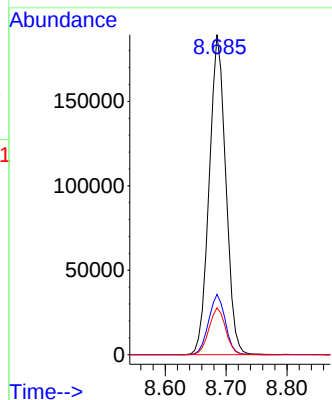
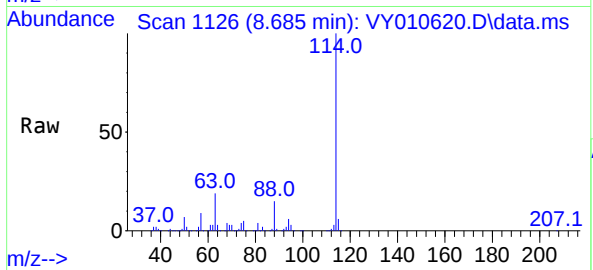
Tgt Ion:114 Resp: 357864

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 39.169 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010620.D

Acq: 22 Sep 2022 14:19

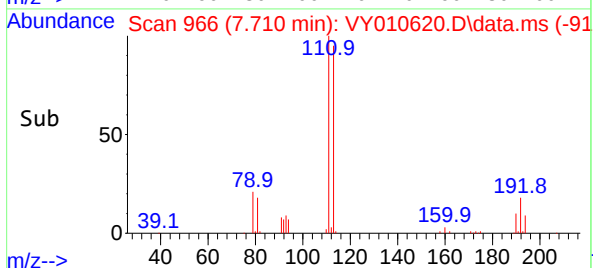
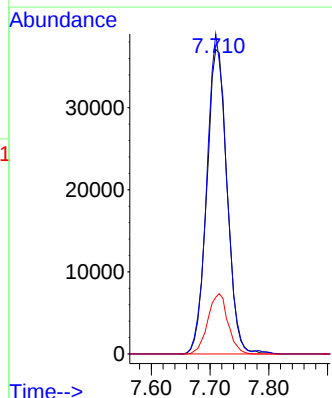
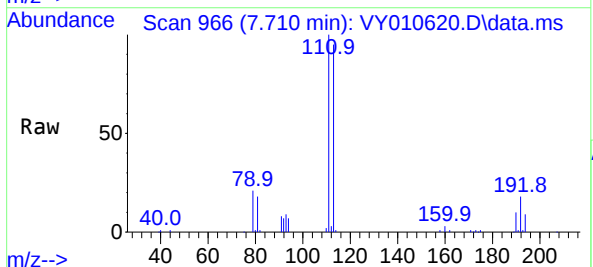
Tgt Ion:113 Resp: 89457

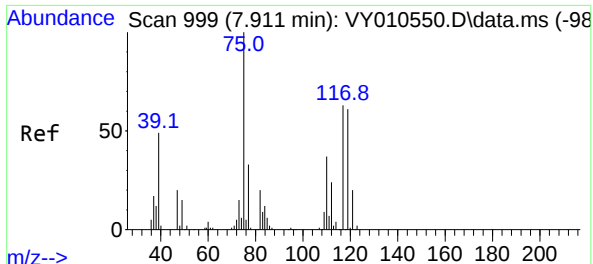
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.792 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010620.D

Acq: 22 Sep 2022 14:19

Instrument :

MSVOA_Y

ClientSampleId :

SB-13-7.5-8.0

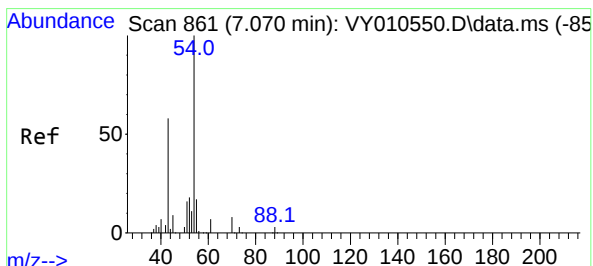
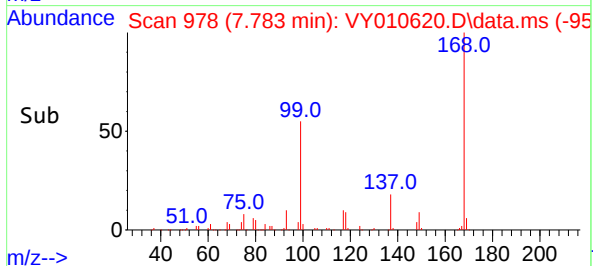
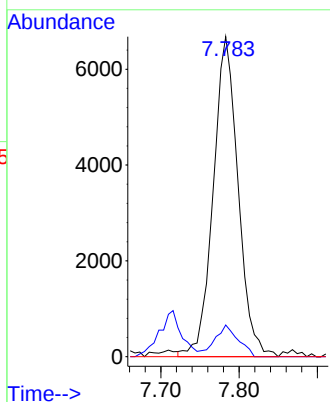
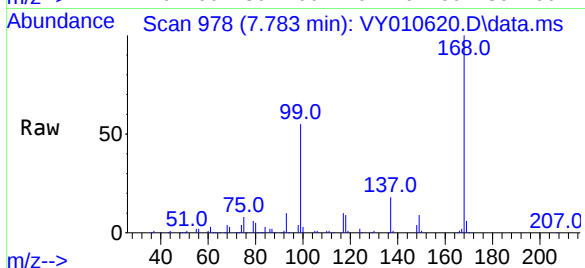
Tgt Ion: 75 Resp: 14740

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.949 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010620.D

Acq: 22 Sep 2022 14:19

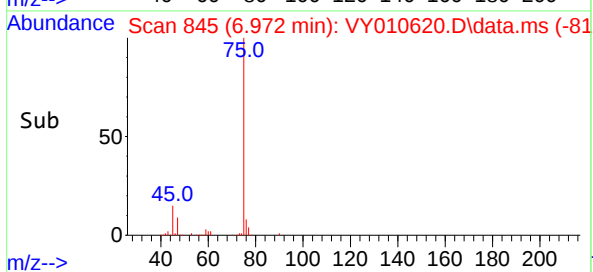
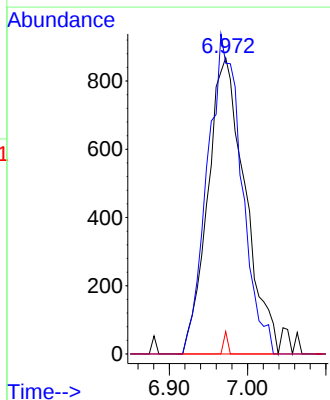
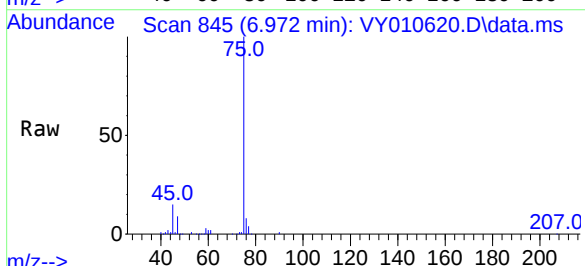
Tgt Ion: 43 Resp: 2865

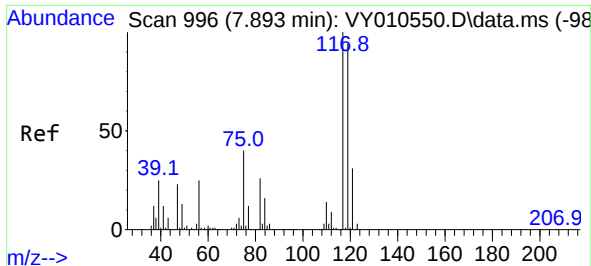
Ion Ratio Lower Upper

43 100

61 99.2 9.7 14.5#

70 0.8 7.1 10.7#

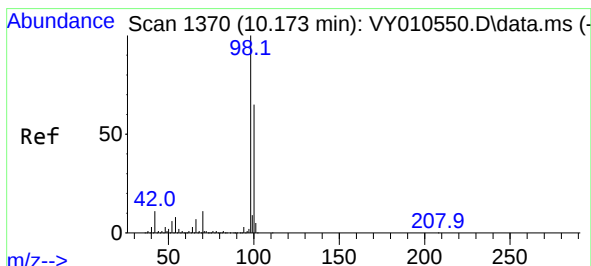
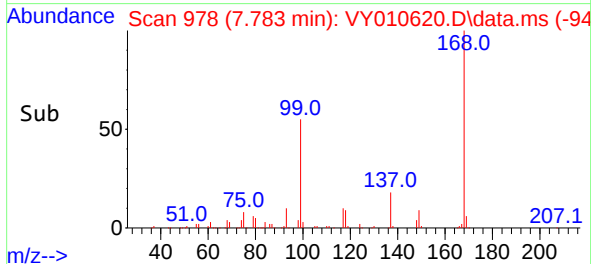
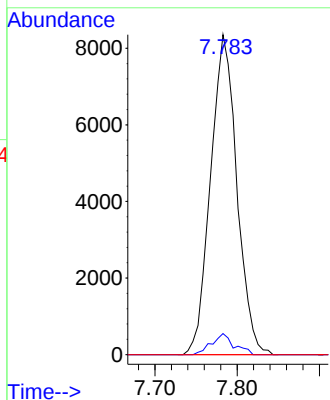
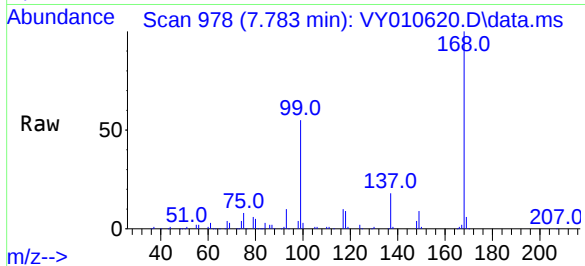




#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

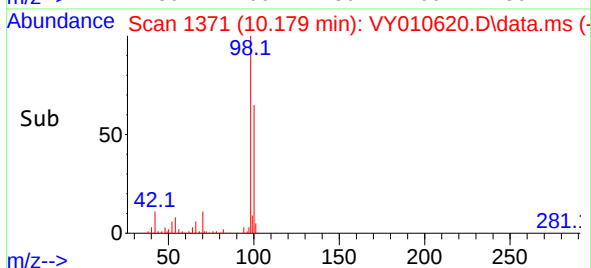
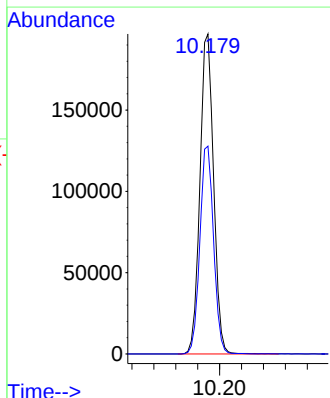
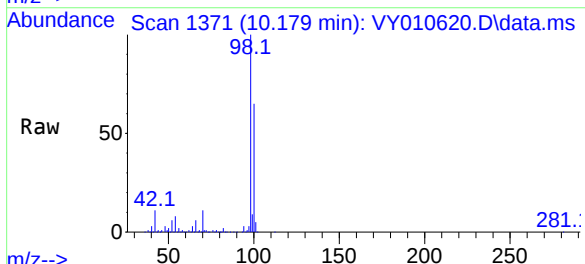
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-7.5-8.0

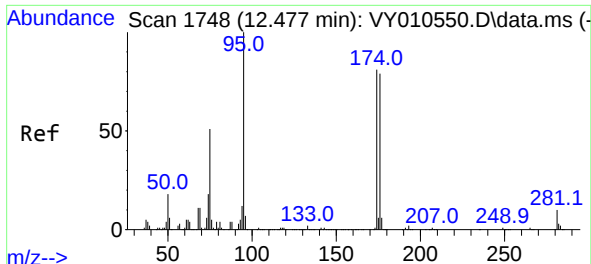
Tgt Ion:117 Resp: 18586
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 40.811 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 98 Resp: 339306
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

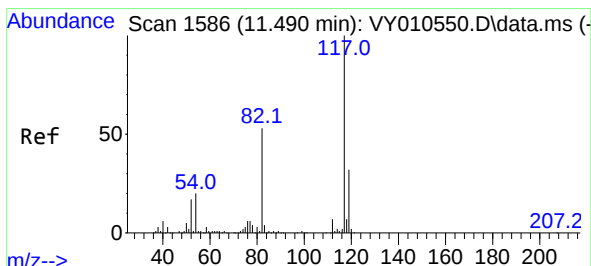
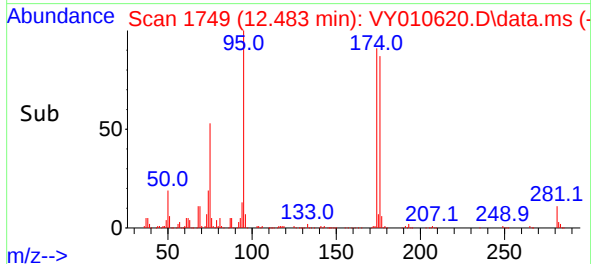
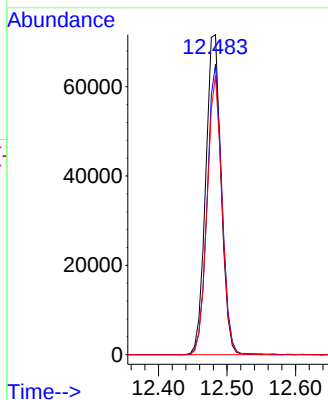
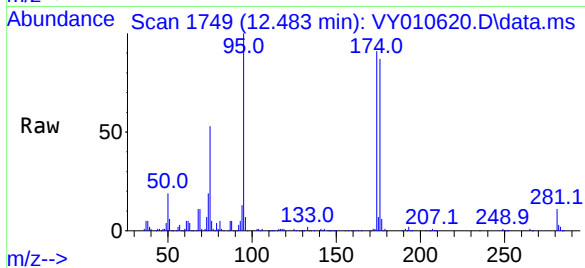




#62
4-Bromofluorobenzene
Concen: 35.041 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

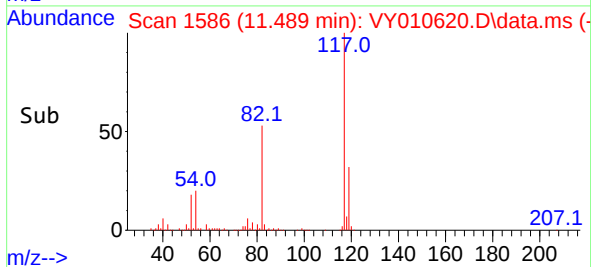
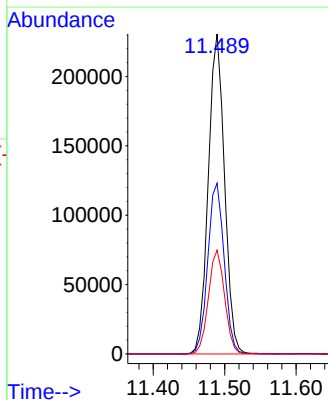
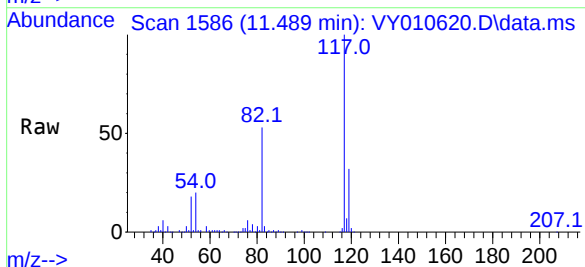
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-7.5-8.0

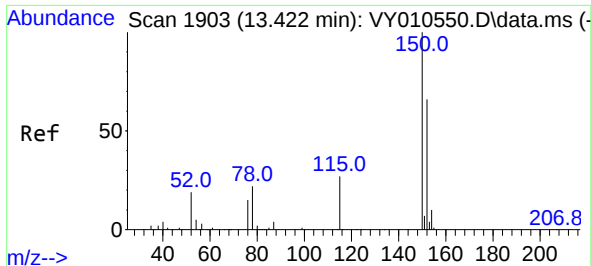
Tgt Ion: 95 Resp: 112301
Ion Ratio Lower Upper
95 100
174 87.6 0.0 177.0
176 83.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010620.D
Acq: 22 Sep 2022 14:19

Tgt Ion: 117 Resp: 363758
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.4 25.4 38.0

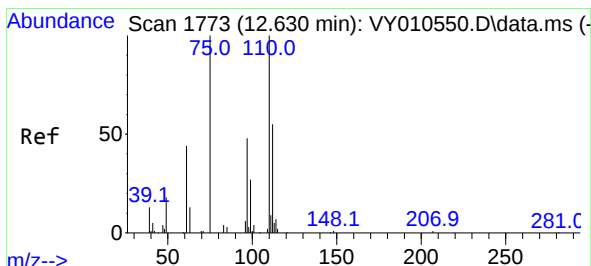
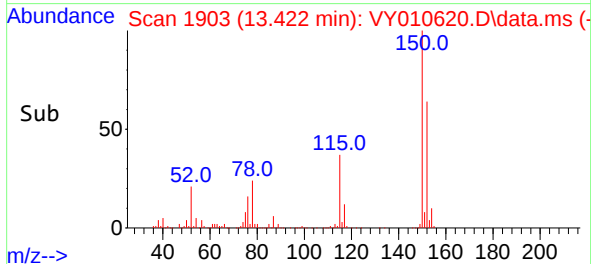
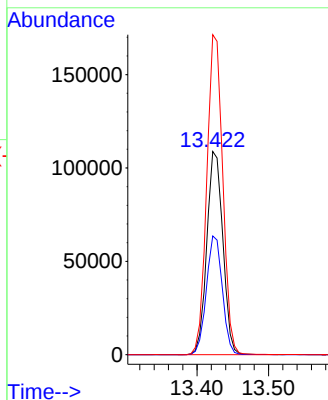
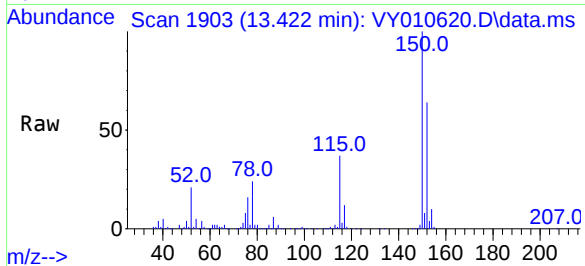




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010620.D
 Acq: 22 Sep 2022 14:19

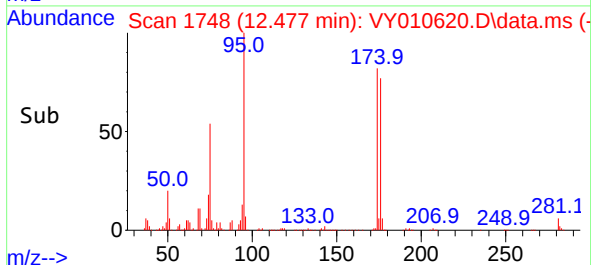
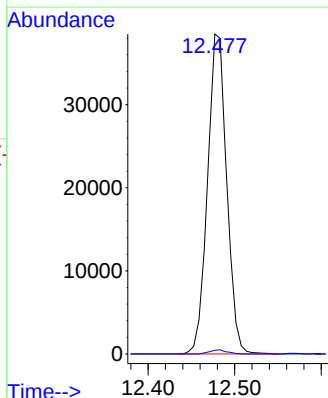
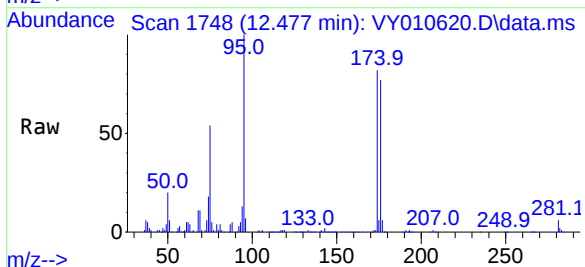
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13-7.5-8.0

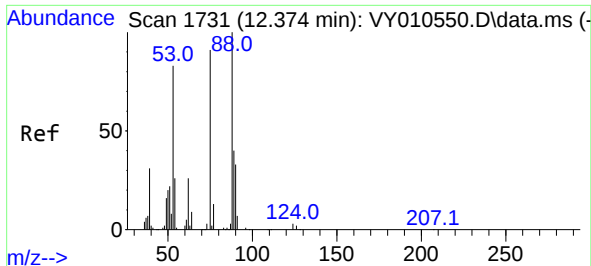
Tgt Ion:152 Resp: 169552
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.2 84.7
 150 156.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 36.587 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010620.D
 Acq: 22 Sep 2022 14:19

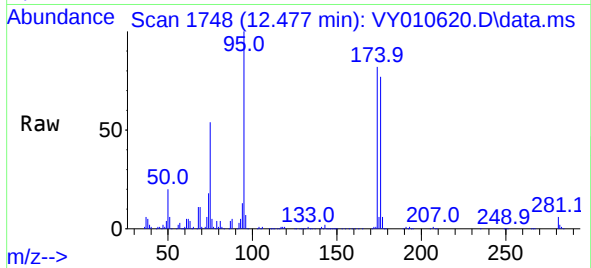
Tgt Ion: 75 Resp: 59208
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.350 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010620.D
 Acq: 22 Sep 2022 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13-7.5-8.0



Tgt Ion: 75 Resp: 59208
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

