

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010627.D
 Acq On : 22 Sep 2022 17:03
 Operator : KP/MD
 Sample : N4723-17
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-28-6.5-7.0

Quant Time: Sep 23 09:04:20 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)

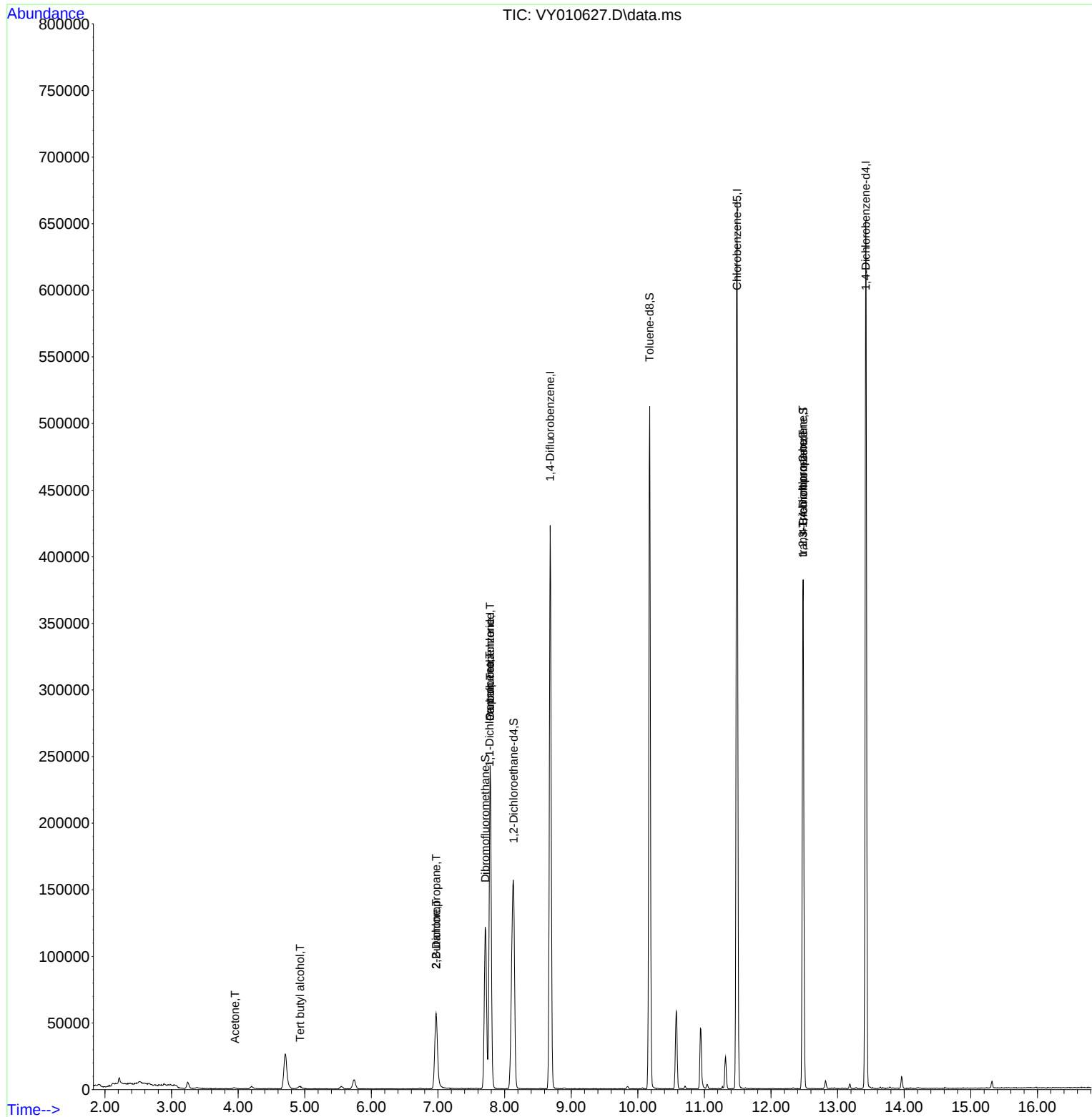
Internal Standards						
1) Pentafluorobenzene	7.783	168	185160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92967	52.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.980%	
35) Dibromofluoromethane	7.710	113	86547	38.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.640%	
50) Toluene-d8	10.179	98	329869	40.173	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.340%	
62) 4-Bromofluorobenzene	12.483	95	107908	33.967	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	1202	Below Cal		99
3) Chloromethane	2.107	50	495	Below Cal		99
4) Vinyl Chloride	2.400	62	51	Below Cal	#	43
5) Bromomethane	2.643	94	134	Below Cal	#	53
11) Tert butyl alcohol	4.930	59	2193	2.799 ug/l	#	77
16) Acetone	3.954	43	1701	4.710 ug/l		98
17) Carbon Disulfide	4.198	76	36	Below Cal	#	75
18) Methyl Acetate	4.472	43	381	Below Cal	#	56
20) Methylene Chloride	4.704	84	20435	Below Cal	#	79
25) 2-Butanone	6.972	43	2771	4.905 ug/l	#	81
26) 2,2-Dichloropropane	6.972	77	4380	1.631 ug/l	#	55
31) Cyclohexane	7.783	56	3716	Below Cal	#	4
36) 1,1-Dichloropropene	7.777	75	13910	5.527 ug/l	#	52
38) Carbon Tetrachloride	7.783	117	18709	6.466 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	56830	36.113 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56830	80.294 ug/l	#	7

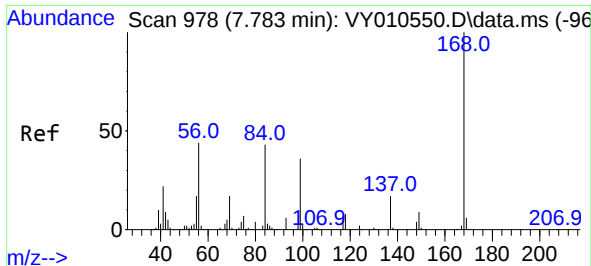
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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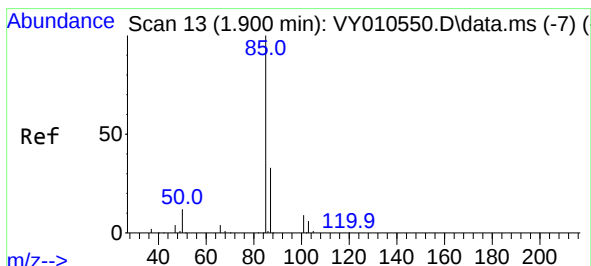
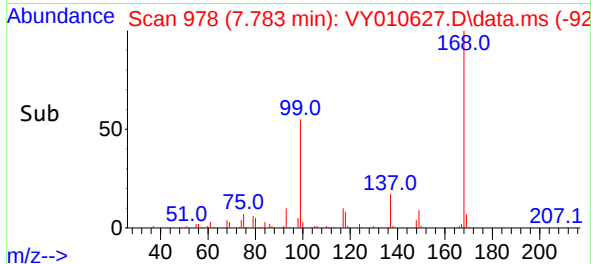
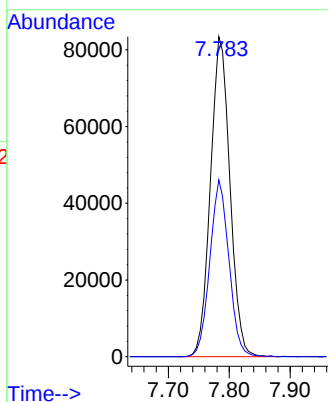
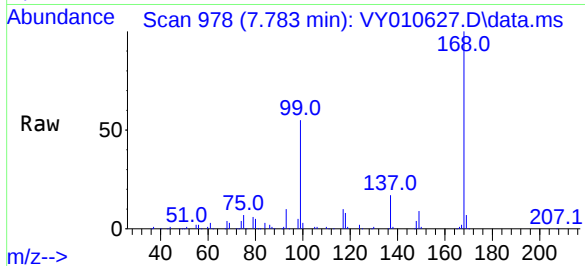




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

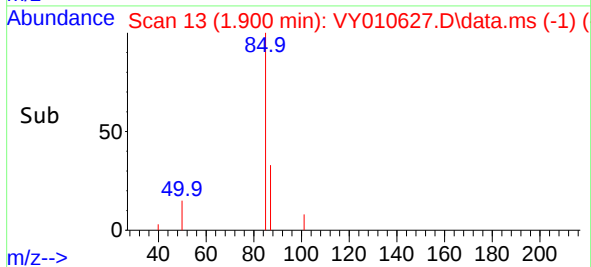
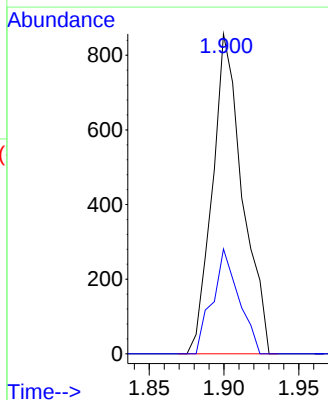
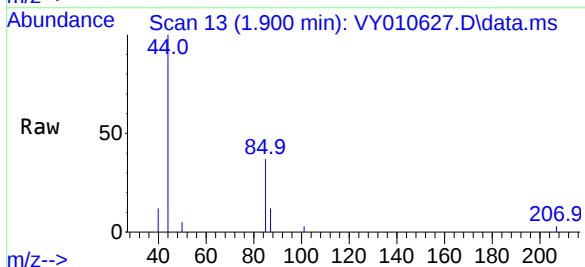
Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

Tgt Ion:168 Resp: 185160
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: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion: 85 Resp: 1202
Ion Ratio Lower Upper
85 100
87 32.8 16.1 48.2

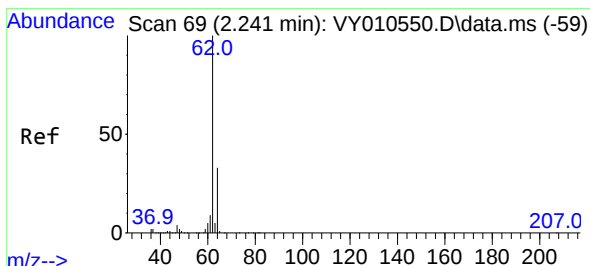
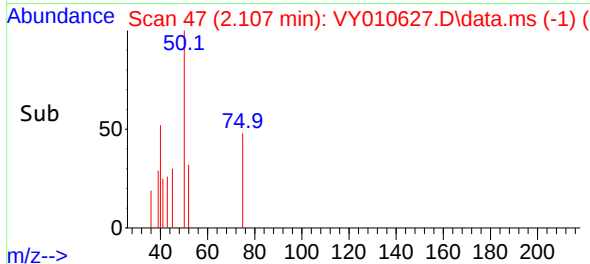
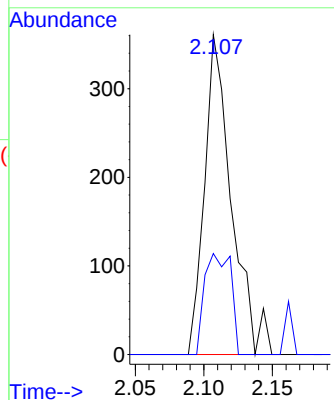
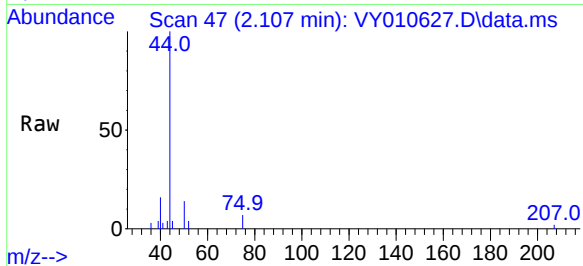




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

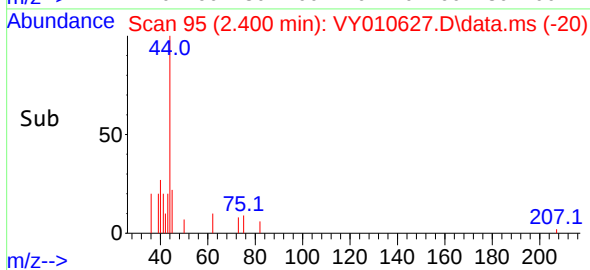
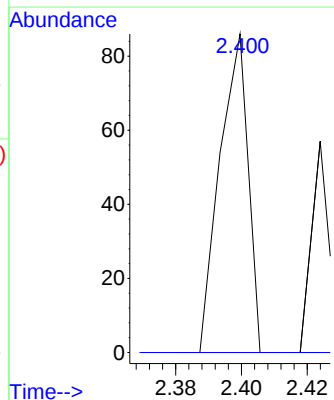
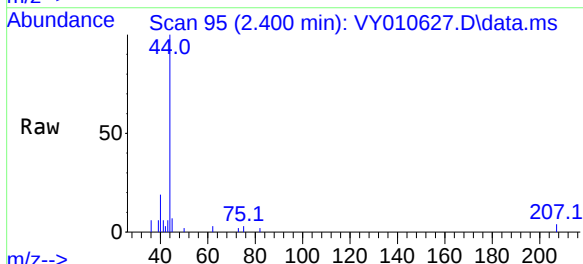
Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

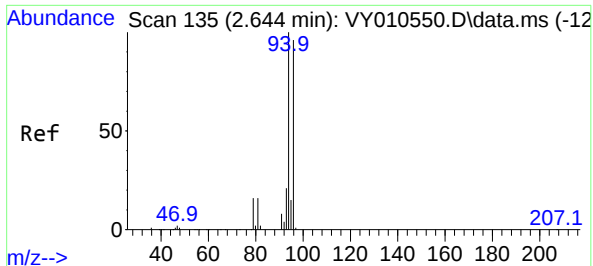
Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 31.6 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.400 min Scan# 95
Delta R.T. 0.159 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion: 62 Resp: 51
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

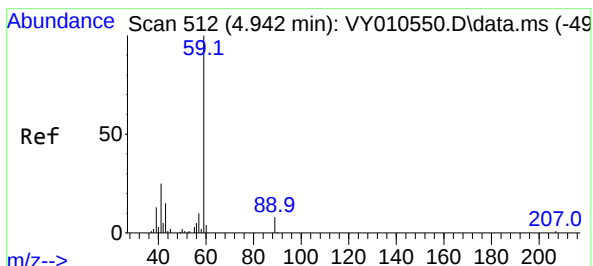
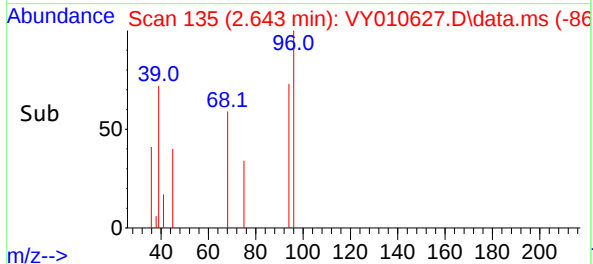
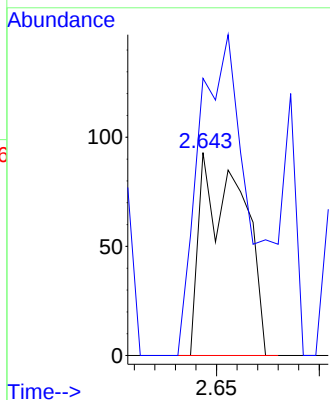
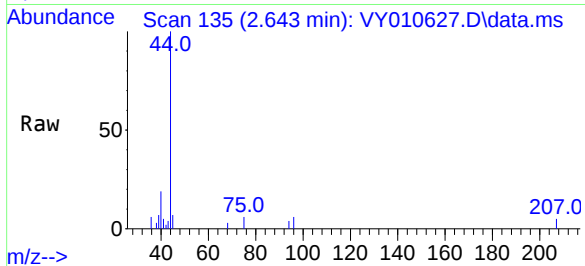




#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

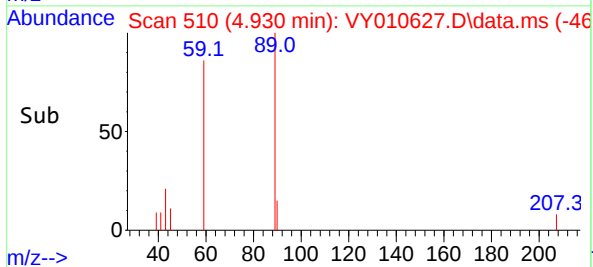
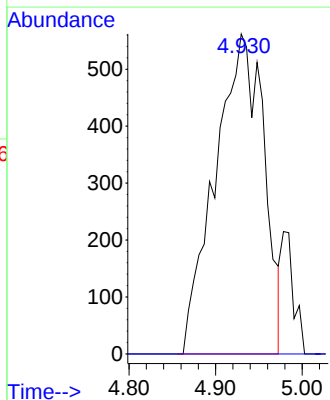
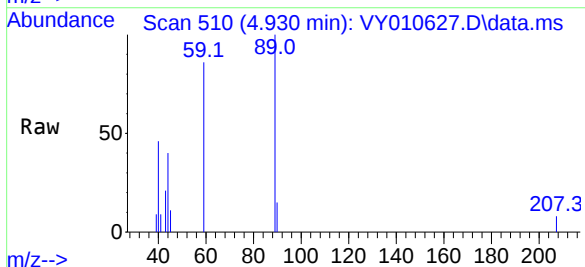
Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

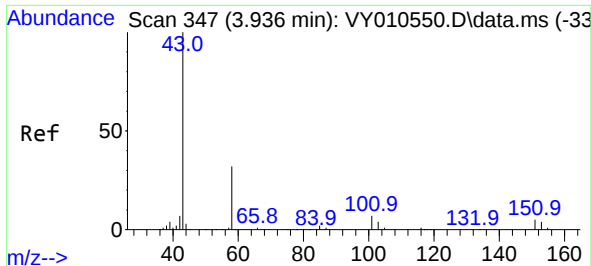
Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 136.6 73.5 110.3#



#11
Tert butyl alcohol
Concen: 2.799 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion: 59 Resp: 2193
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

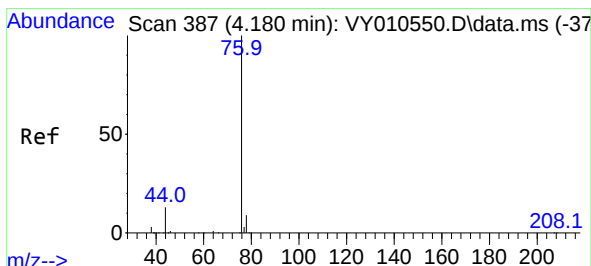
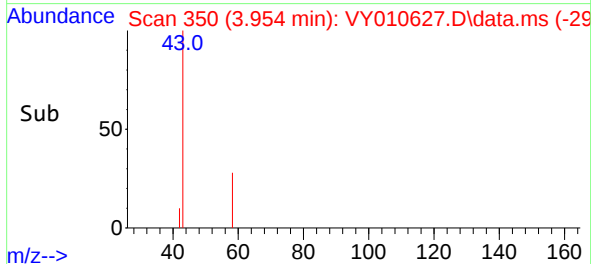
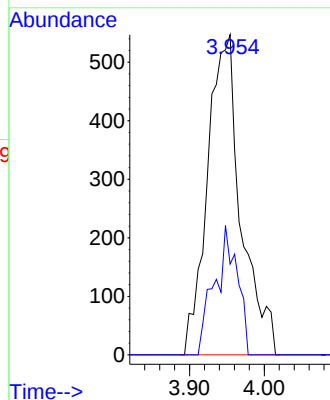
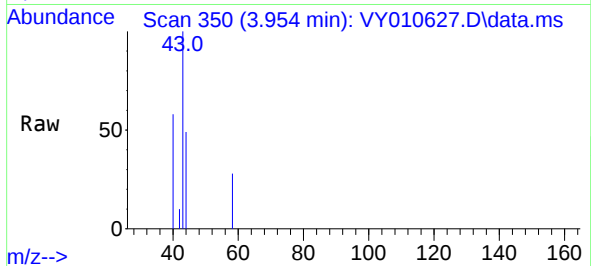




#16
Acetone
Concen: 4.710 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

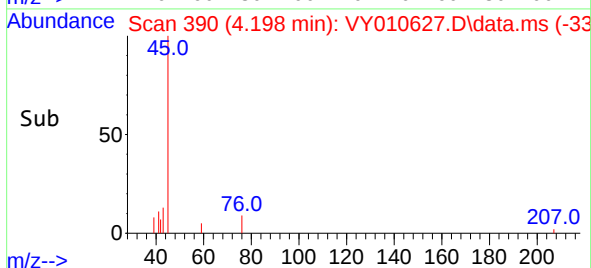
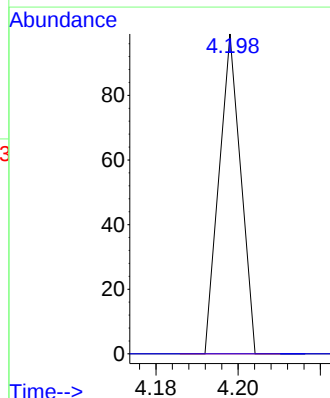
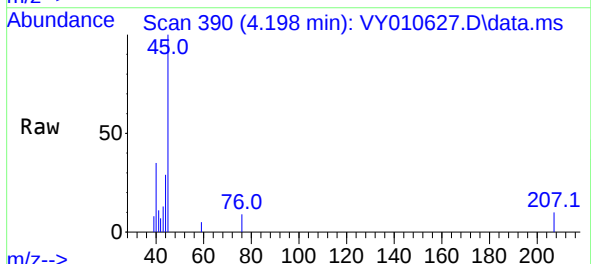
Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

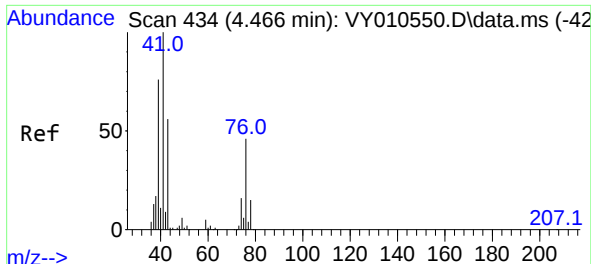
Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
58 28.3 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion: 76 Resp: 36
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY010627.D

Acq: 22 Sep 2022 17:03

Instrument :

MSVOA_Y

ClientSampleId :

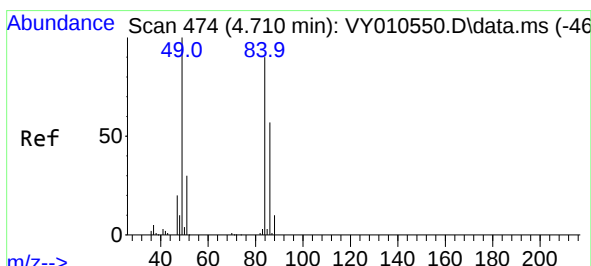
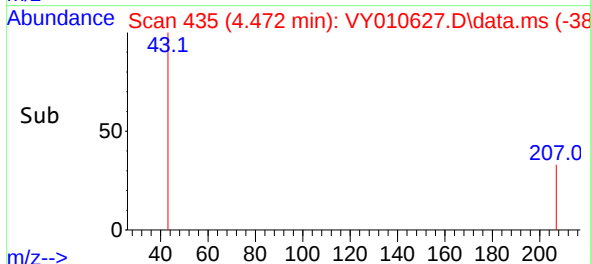
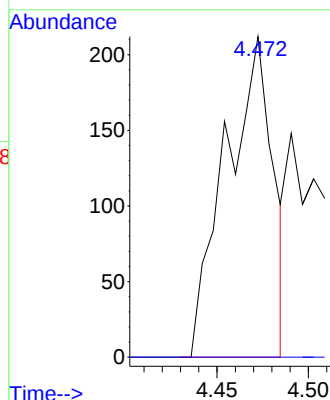
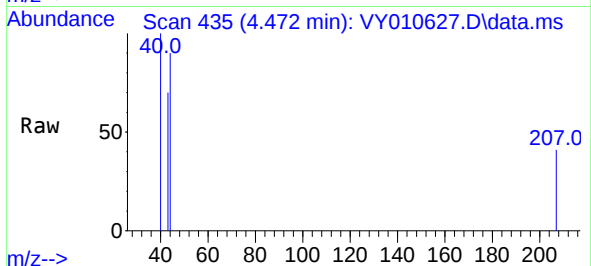
SB-28-6.5-7.0

Tgt Ion: 43 Resp: 381

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: VY010627.D

Acq: 22 Sep 2022 17:03

Tgt Ion: 84 Resp: 20435

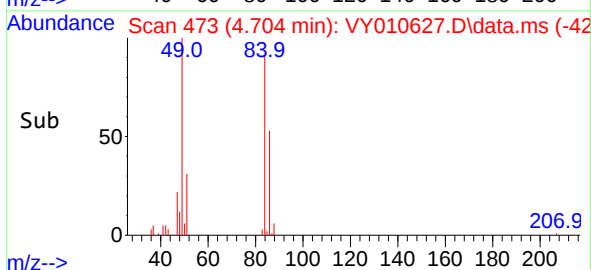
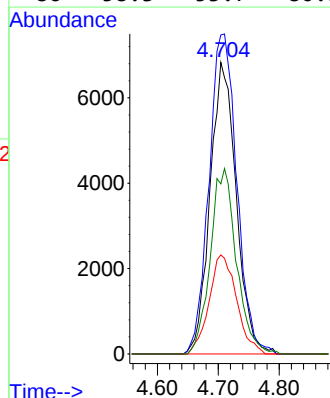
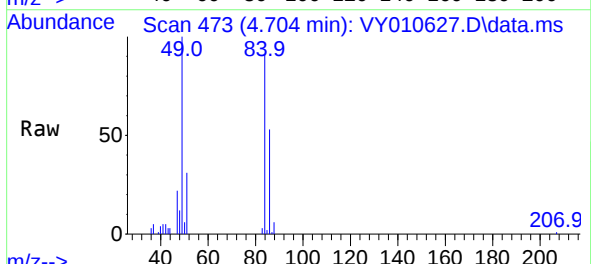
Ion Ratio Lower Upper

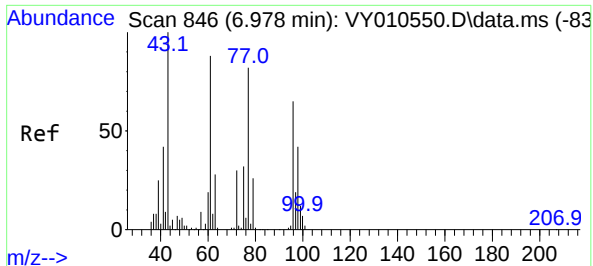
84 100

49 109.4 114.4 171.6#

51 34.0 35.3 52.9#

86 58.3 53.7 80.5





#25

2-Butanone

Concen: 4.905 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010627.D

Acq: 22 Sep 2022 17:03

Instrument :

MSVOA_Y

ClientSampleId :

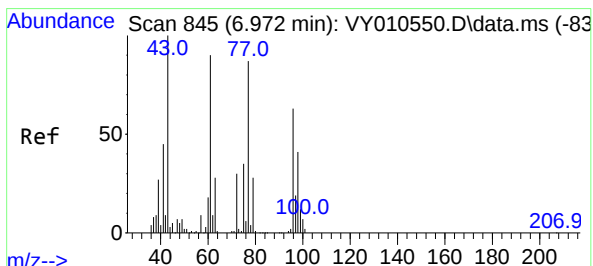
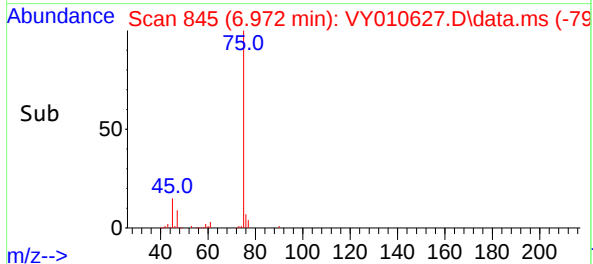
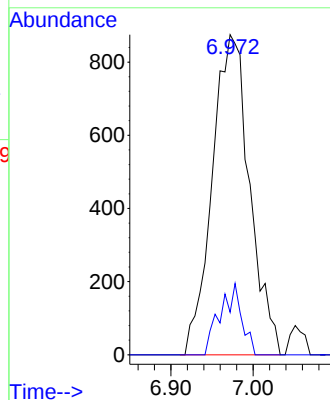
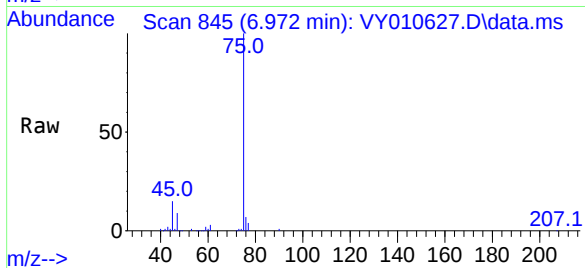
SB-28-6.5-7.0

Tgt Ion: 43 Resp: 2771

Ion Ratio Lower Upper

43 100

72 13.3 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.631 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010627.D

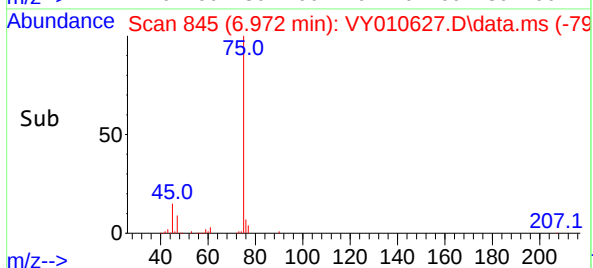
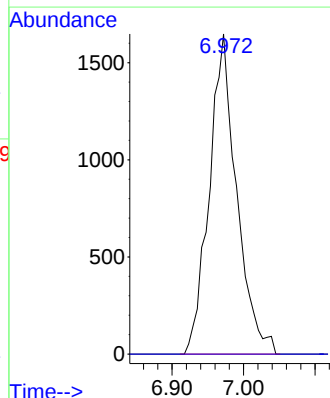
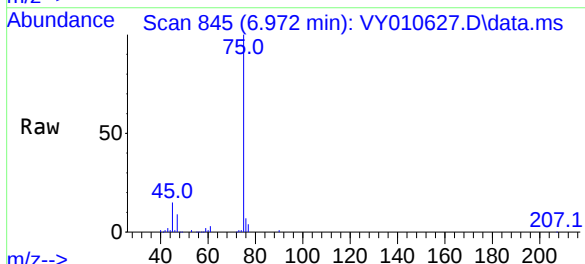
Acq: 22 Sep 2022 17:03

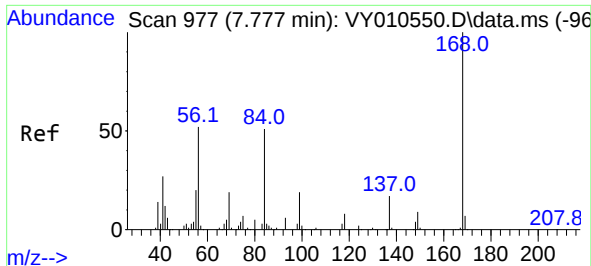
Tgt Ion: 77 Resp: 4380

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

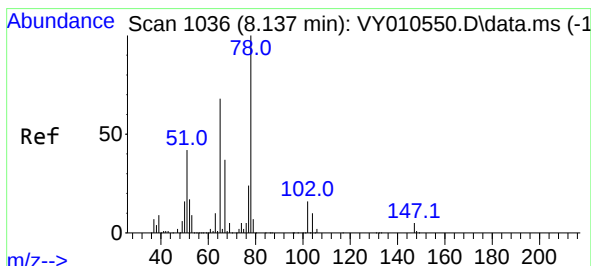
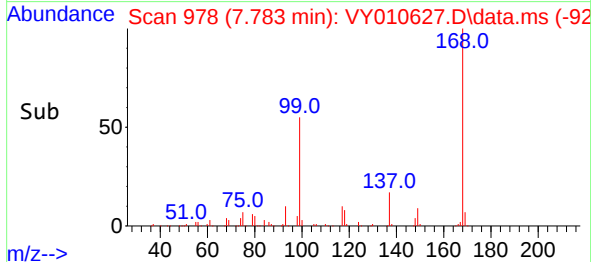
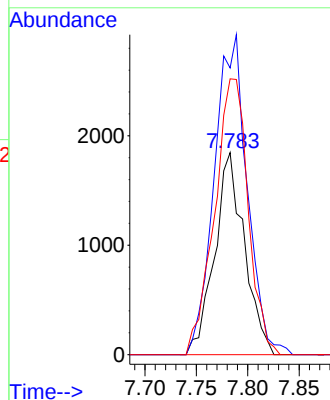
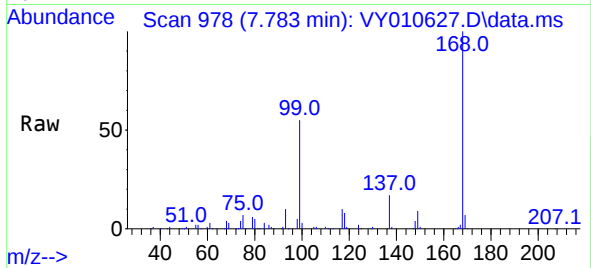




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

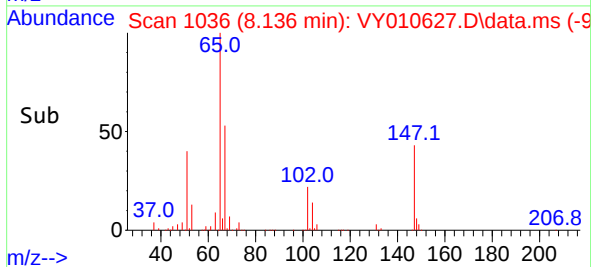
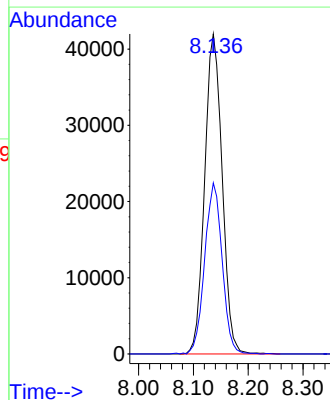
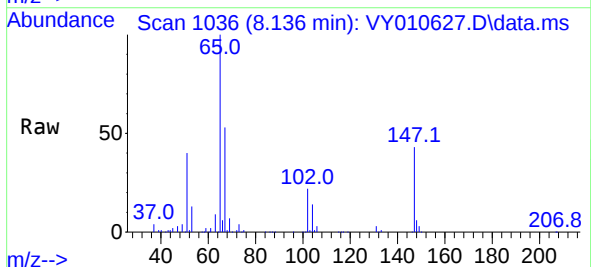
Instrument :
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SB-28-6.5-7.0

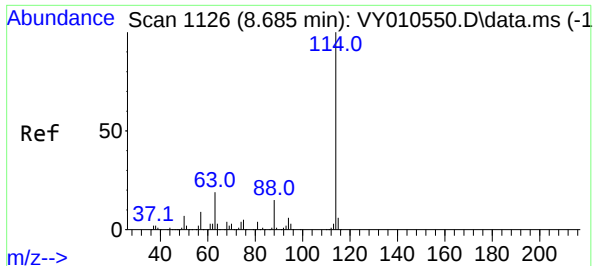
Tgt Ion: 56 Resp: 3716
Ion Ratio Lower Upper
56 100
69 141.9 26.7 40.1#
84 136.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.494 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion: 65 Resp: 92967
Ion Ratio Lower Upper
65 100
67 53.4 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: VY010627.D

Acq: 22 Sep 2022 17:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-28-6.5-7.0

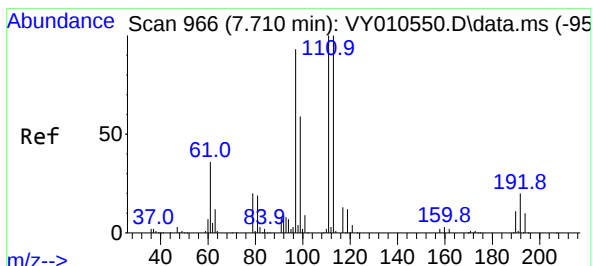
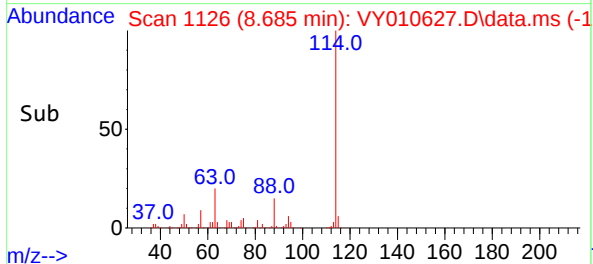
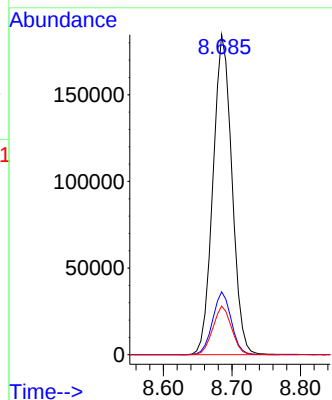
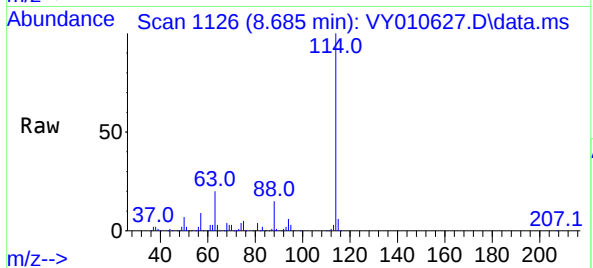
Tgt Ion:114 Resp: 353900

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.319 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010627.D

Acq: 22 Sep 2022 17:03

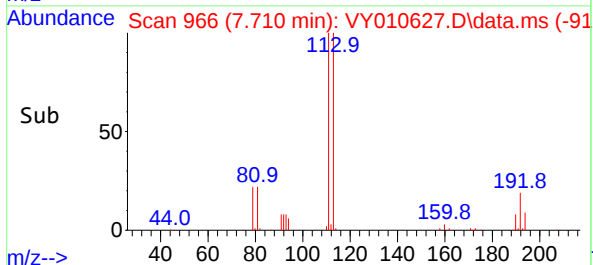
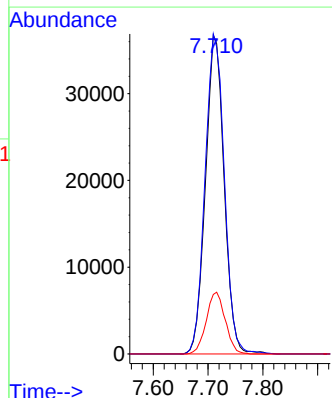
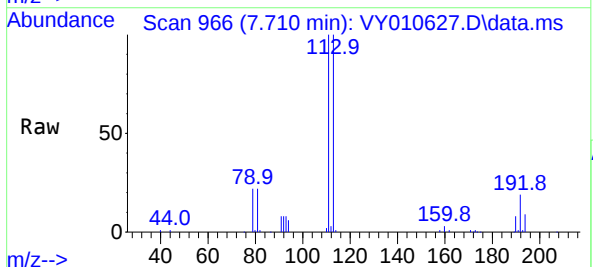
Tgt Ion:113 Resp: 86547

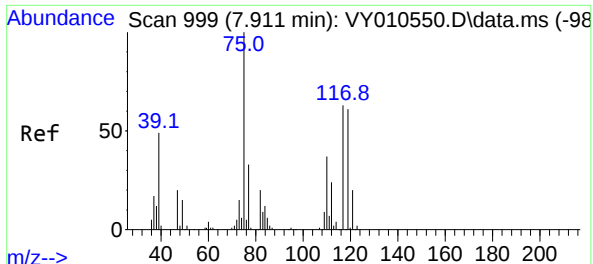
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.527 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010627.D

Acq: 22 Sep 2022 17:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-28-6.5-7.0

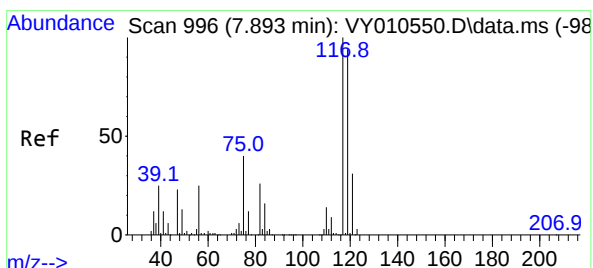
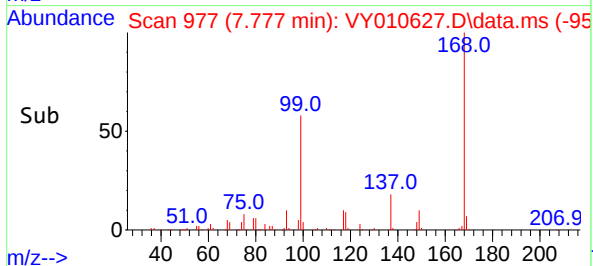
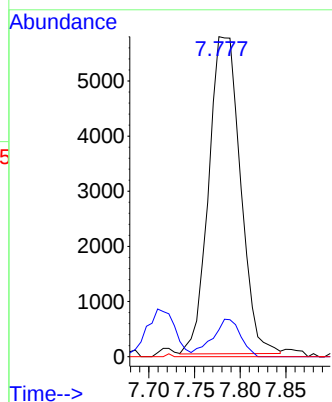
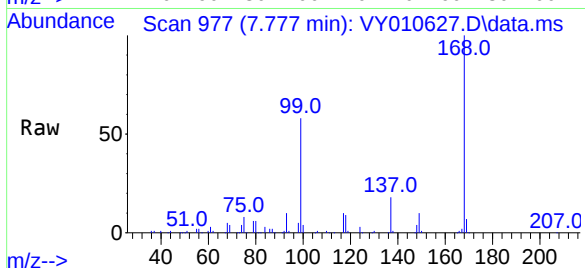
Tgt Ion: 75 Resp: 13910

Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010627.D

Acq: 22 Sep 2022 17:03

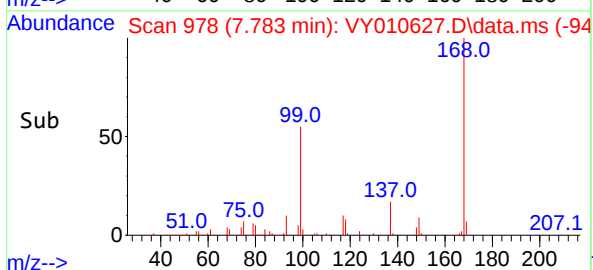
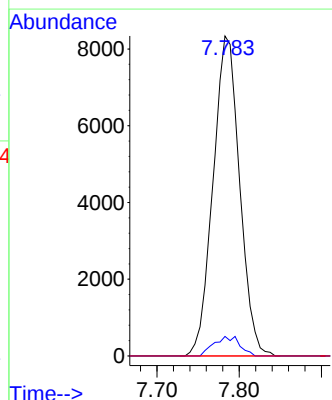
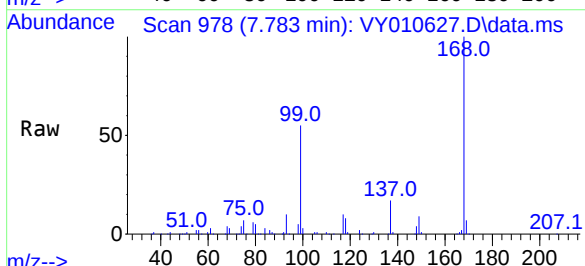
Tgt Ion: 117 Resp: 18709

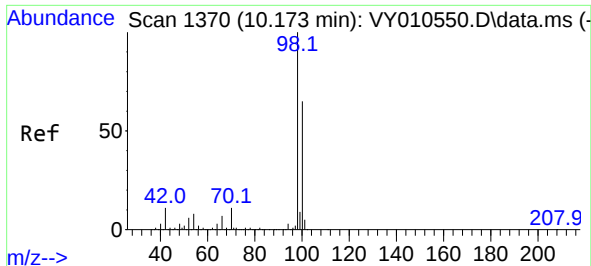
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

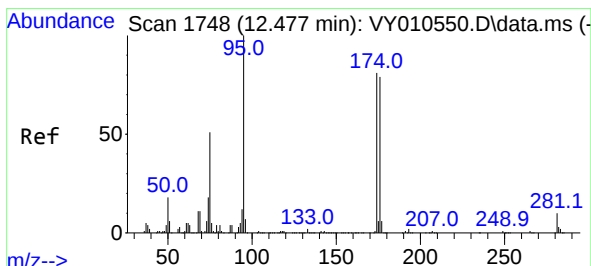
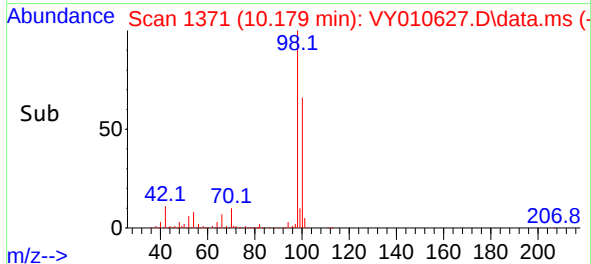
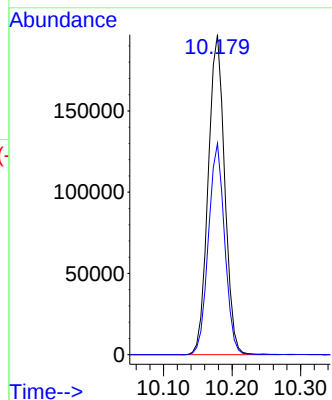
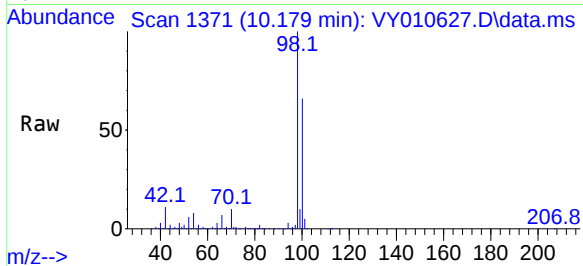




#50
Toluene-d8
Concen: 40.173 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

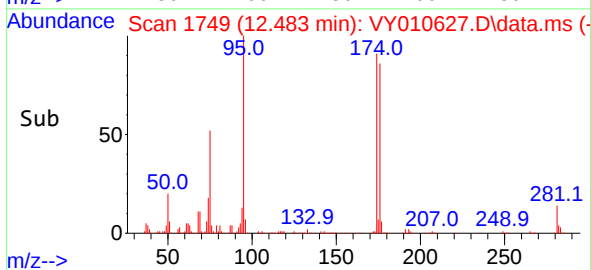
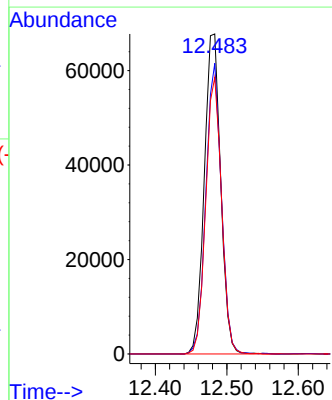
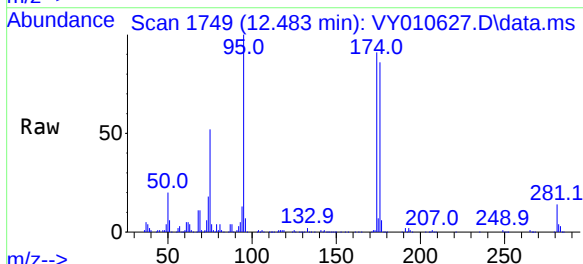
Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

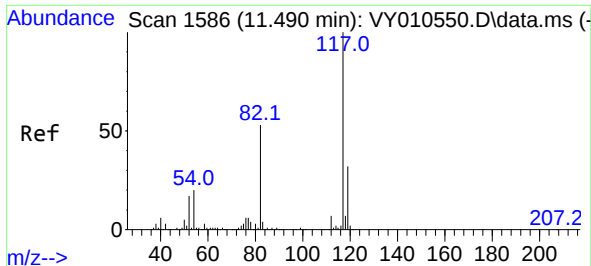
Tgt Ion: 98 Resp: 329869
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 33.967 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

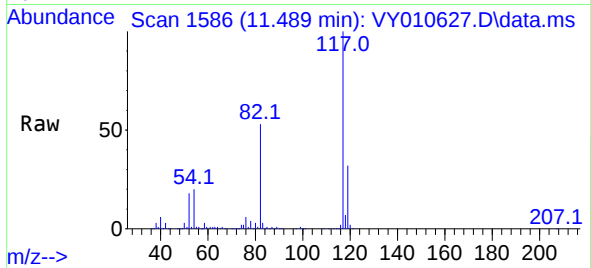
Tgt Ion: 95 Resp: 107908
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 83.1 0.0 175.8



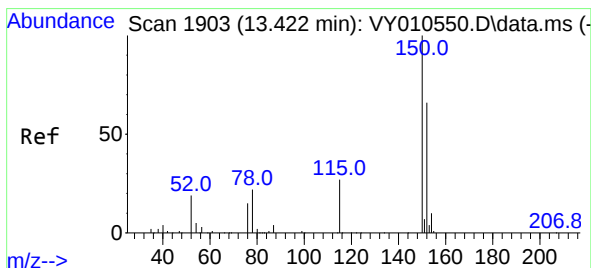
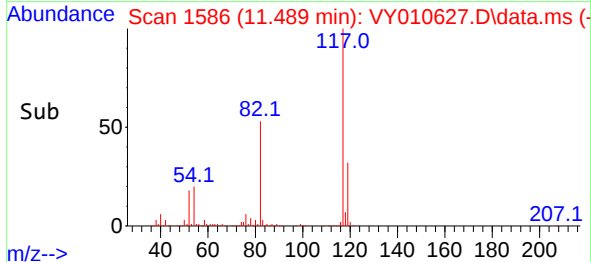
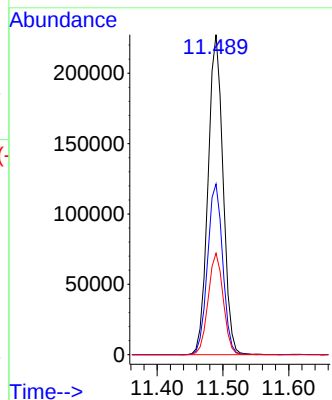


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

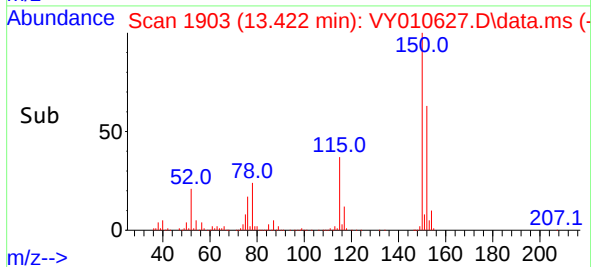
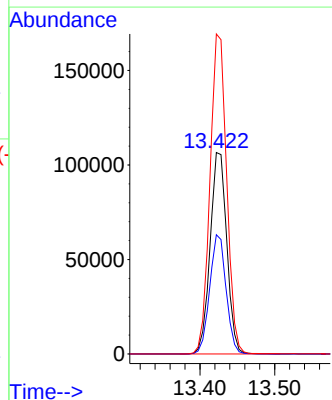
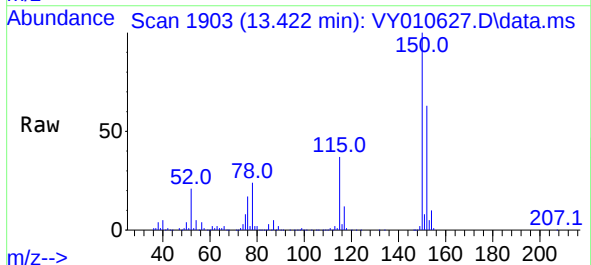


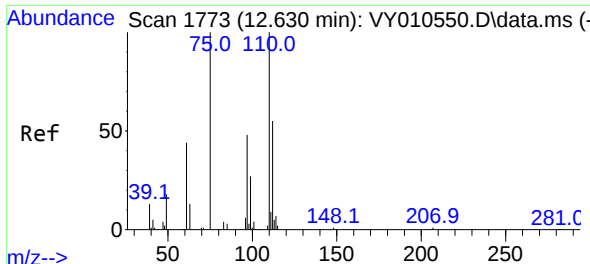
Tgt Ion:117 Resp: 361201
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion:152 Resp: 164882
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 159.0 0.0 347.6

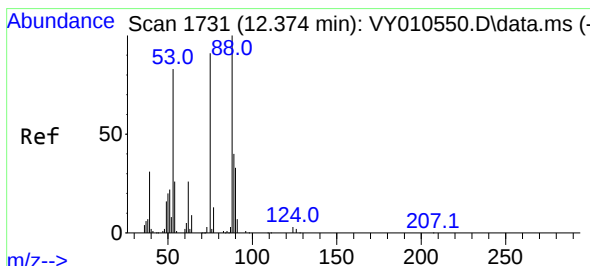
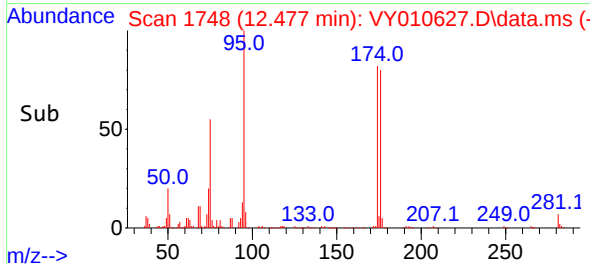
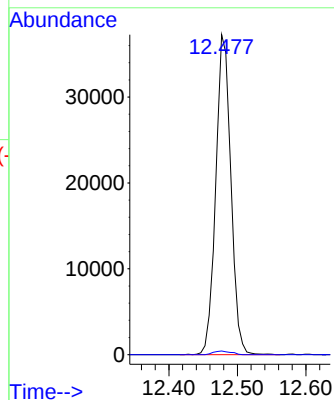
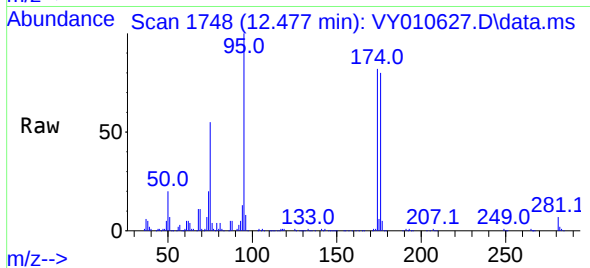




#76
1,2,3-Trichloropropane
Concen: 36.113 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-28-6.5-7.0

Tgt Ion: 75 Resp: 56830
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.294 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010627.D
Acq: 22 Sep 2022 17:03

Tgt Ion: 75 Resp: 56830
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

