

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010629.D
 Acq On : 22 Sep 2022 17:49
 Operator : KP/MD
 Sample : N4723-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-14-6.5-7.0

Quant Time: Sep 23 09:04:34 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)

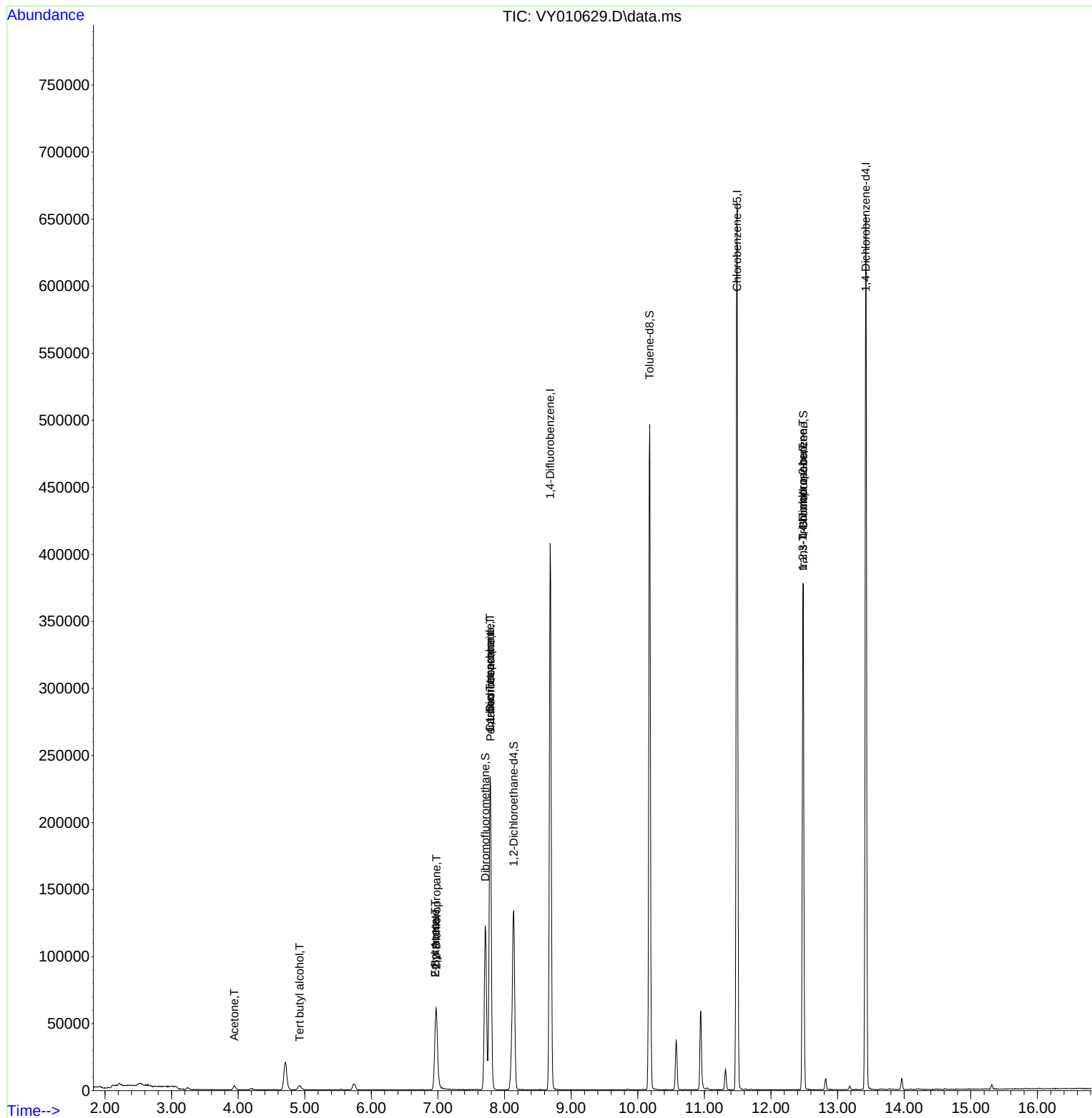
Internal Standards						
1) Pentafluorobenzene	7.789	168	183209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	360743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	95191	54.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.640%	
35) Dibromofluoromethane	7.710	113	85765	38.591	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 77.180%	
50) Toluene-d8	10.179	98	326892	40.437	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.880%	
62) 4-Bromofluorobenzene	12.483	95	108539	34.785	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.580%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	411	Below Cal		91
3) Chloromethane	2.113	50	421	Below Cal		99
4) Vinyl Chloride	2.375	62	20	Below Cal	#	43
5) Bromomethane	2.650	94	228	Below Cal		82
11) Tert butyl alcohol	4.924	59	3791	13.620 ug/l	#	77
16) Acetone	3.942	43	5316	14.876 ug/l	#	89
18) Methyl Acetate	4.473	43	470	Below Cal	#	65
20) Methylene Chloride	4.710	84	16156	Below Cal	#	81
25) 2-Butanone	6.960	43	2974	5.321 ug/l		91
26) 2,2-Dichloropropane	6.978	77	4519	1.701 ug/l	#	55
31) Cyclohexane	7.777	56	3834	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14776	5.967 ug/l	#	50
37) Ethyl Acetate	6.960	43	2974	2.079 ug/l	#	1
38) Carbon Tetrachloride	7.783	117	18159	6.378 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	56123	34.894 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56123	77.584 ug/l	#	7

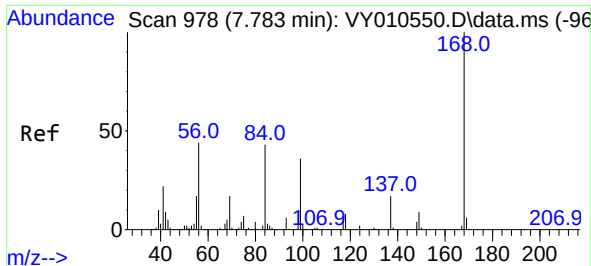
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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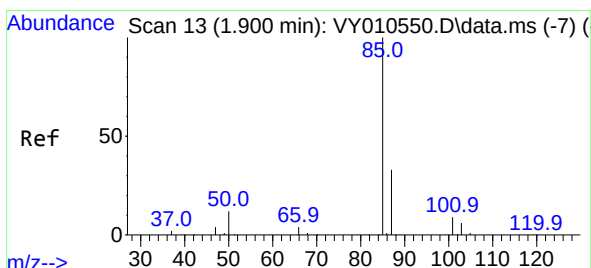
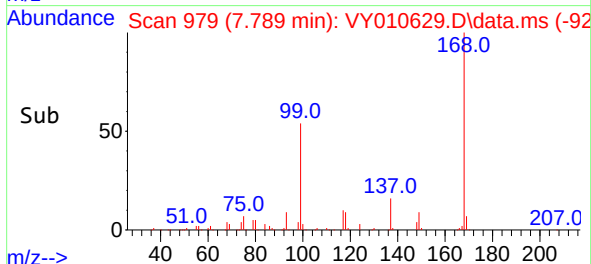
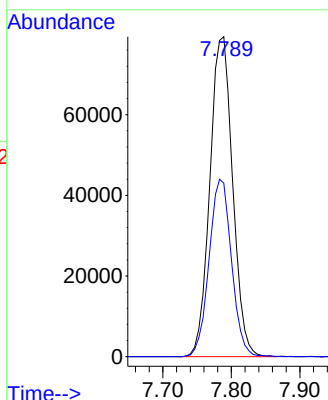
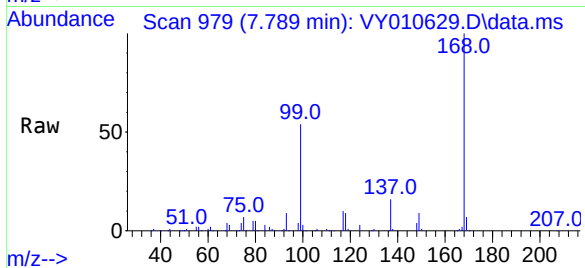




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

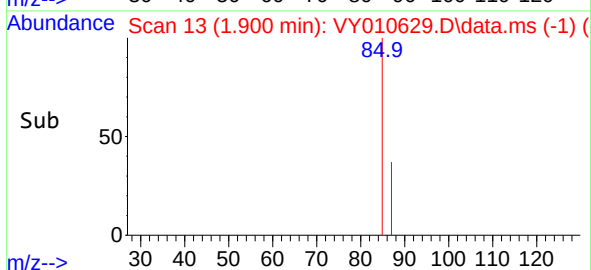
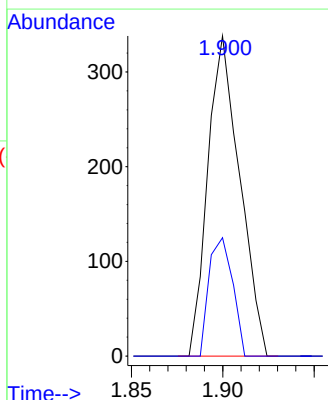
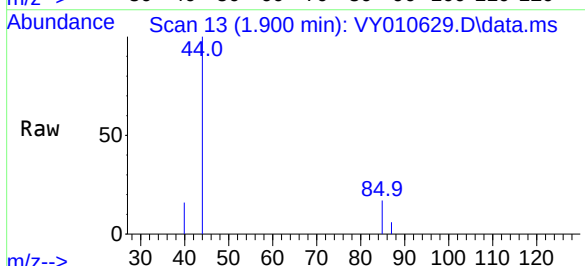
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

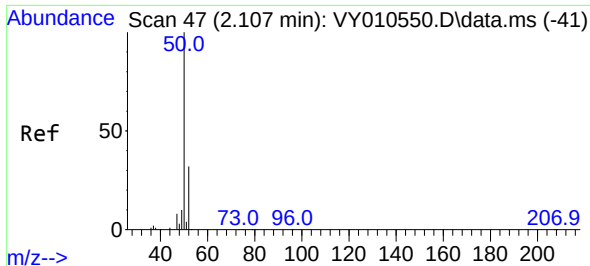
Tgt Ion:168 Resp: 183209
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 85 Resp: 411
Ion Ratio Lower Upper
85 100
87 37.0 16.1 48.2

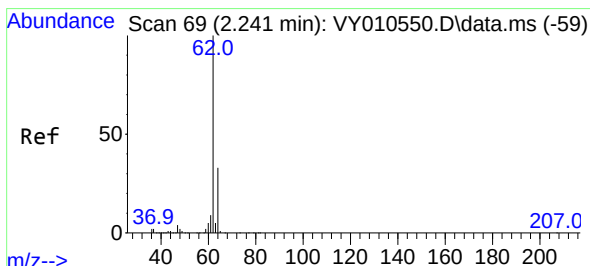
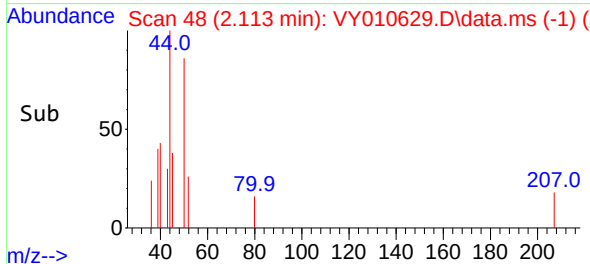
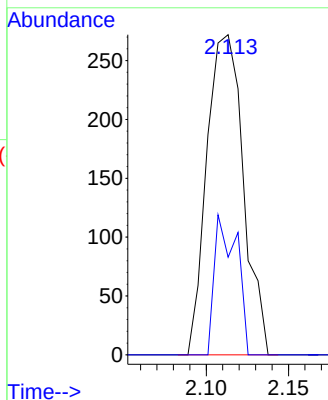
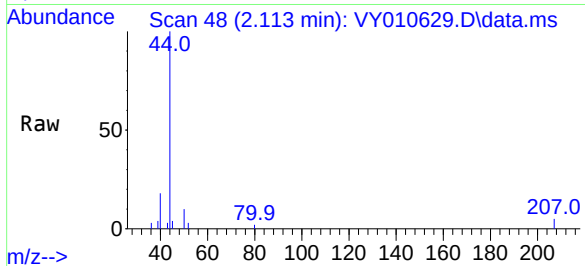




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

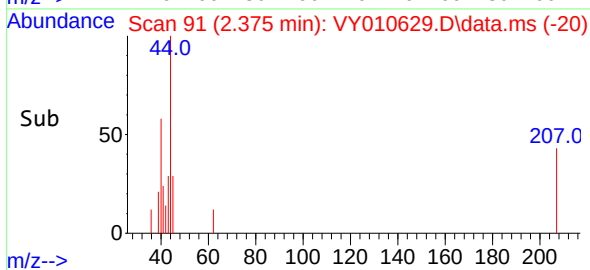
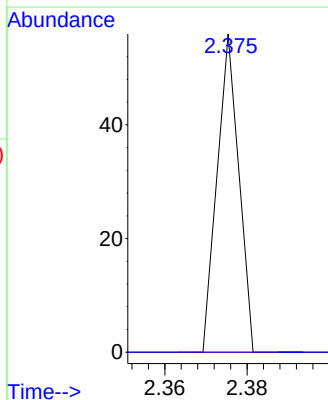
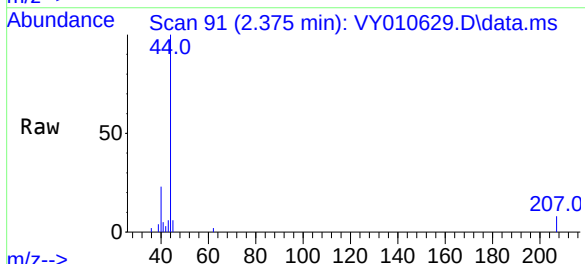
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

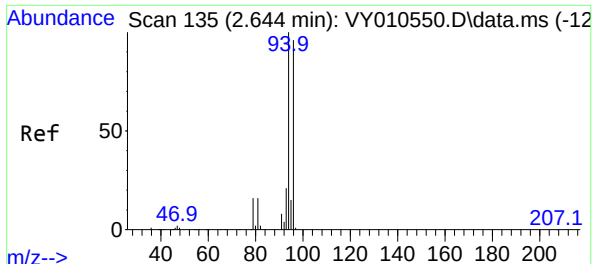
Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 30.5 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.375 min Scan# 91
Delta R.T. 0.134 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

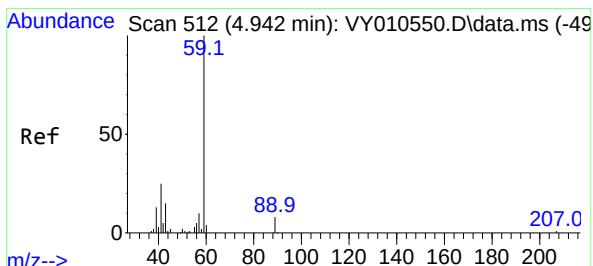
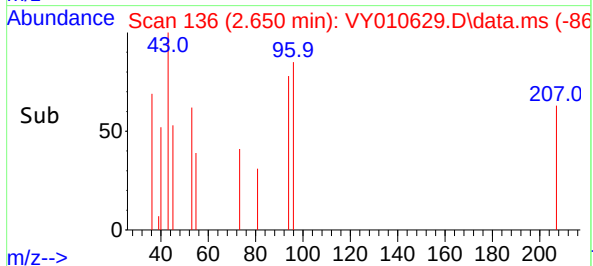
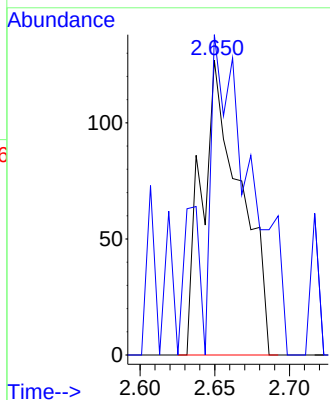
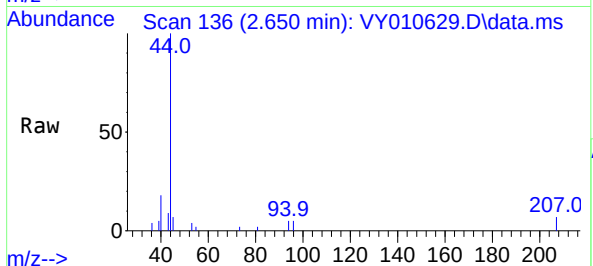




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

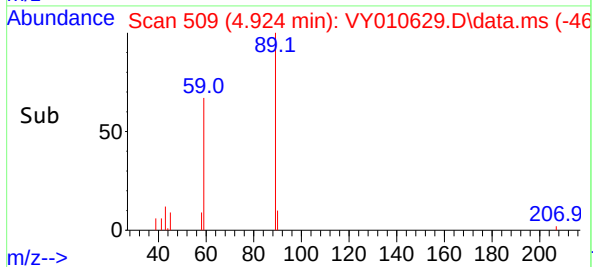
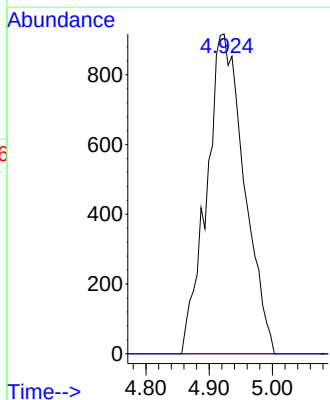
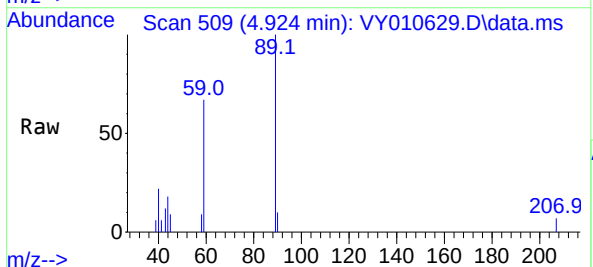
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

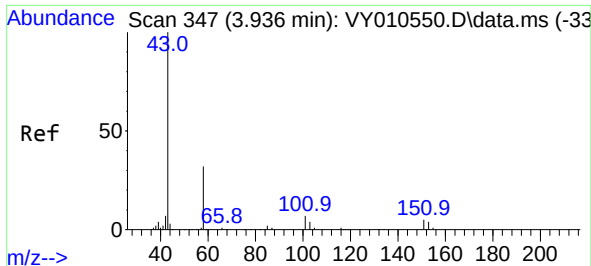
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 108.7 73.5 110.3



#11
Tert butyl alcohol
Concen: 13.620 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 59 Resp: 3791
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

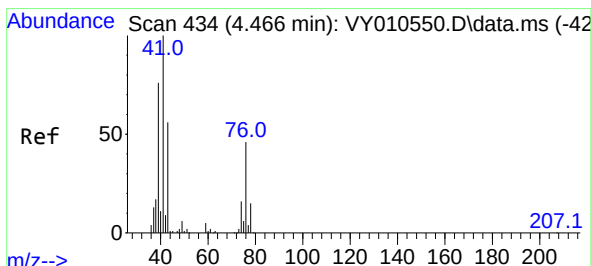
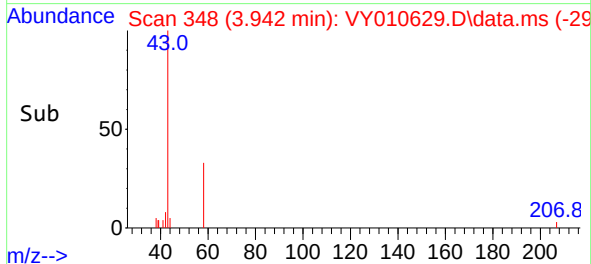
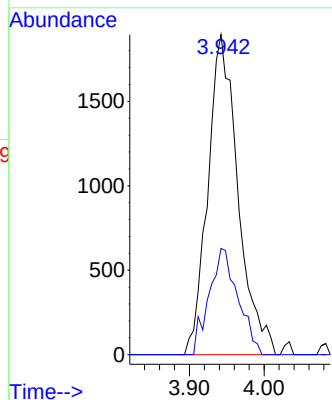
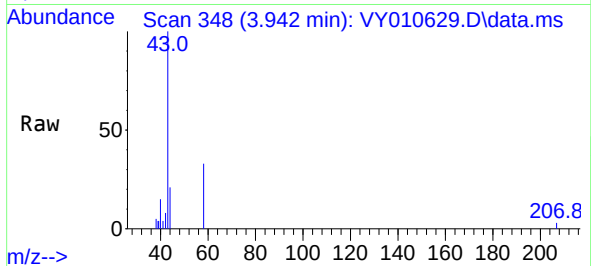




#16
Acetone
Concen: 14.876 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

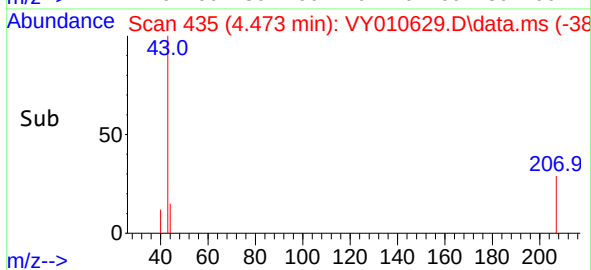
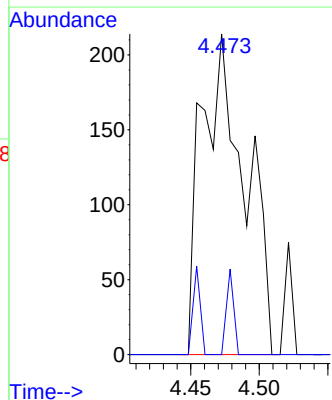
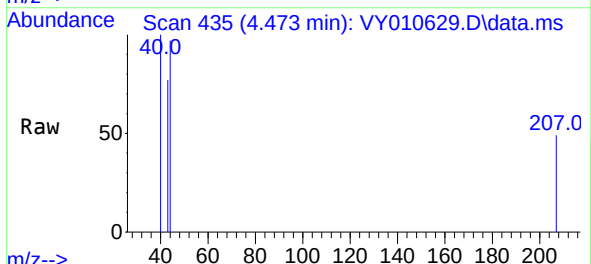
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

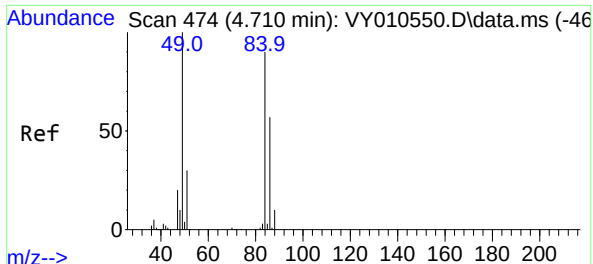
Tgt Ion: 43 Resp: 5316
Ion Ratio Lower Upper
43 100
58 33.2 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. 0.007 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

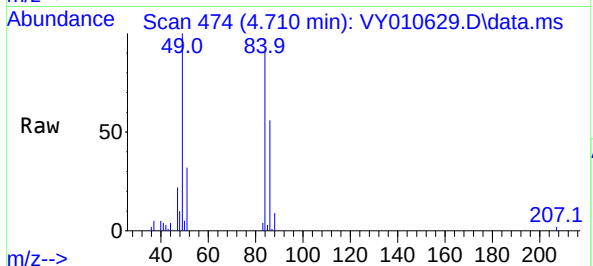
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
74 4.5 16.6 24.8#



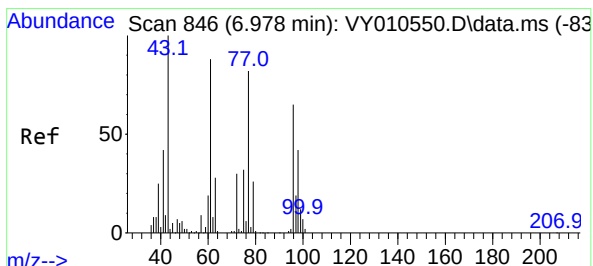
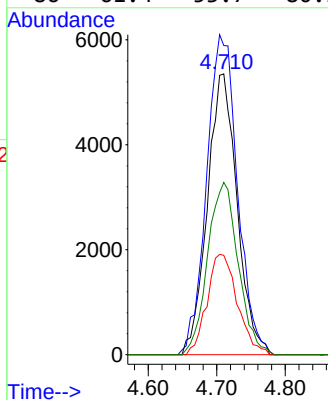
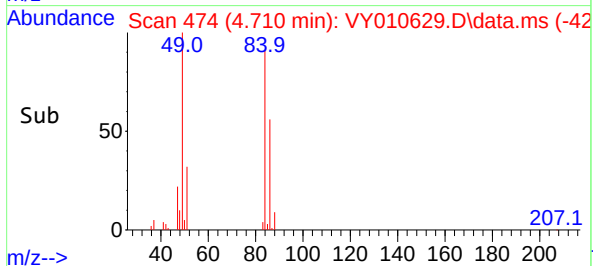


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

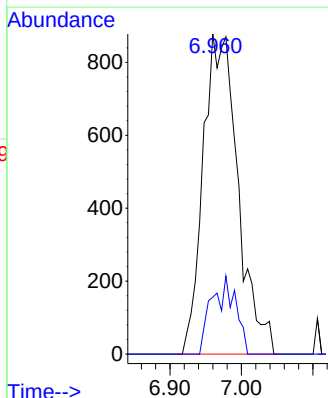
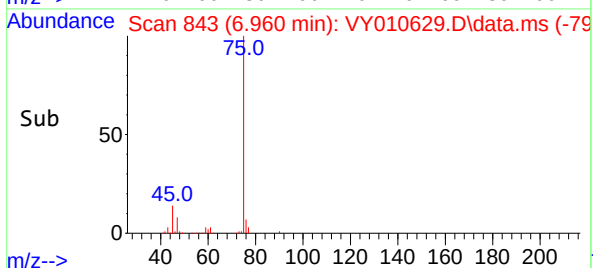
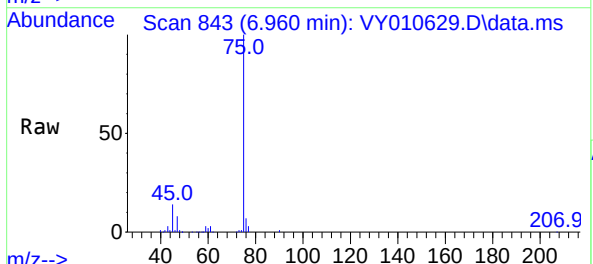


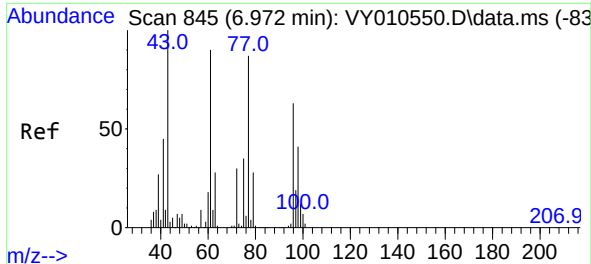
Tgt Ion: 84 Resp: 16156
Ion Ratio Lower Upper
84 100
49 110.1 114.4 171.6#
51 35.4 35.3 52.9
86 61.4 53.7 80.5



#25
2-Butanone
Concen: 5.321 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.018 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 43 Resp: 2974
Ion Ratio Lower Upper
43 100
72 17.8 17.7 26.5

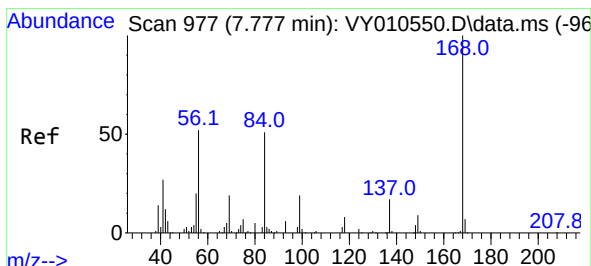
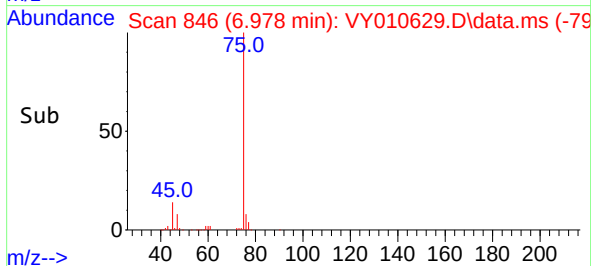
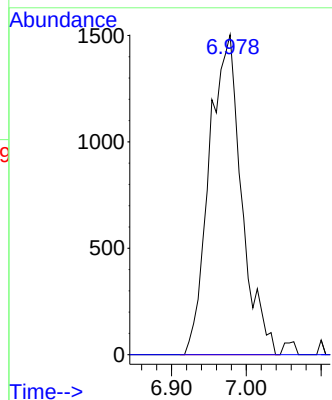
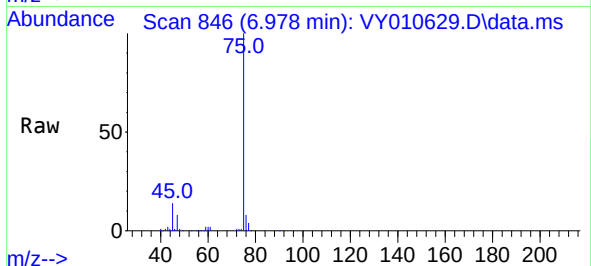




#26
2,2-Dichloropropane
Concen: 1.701 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

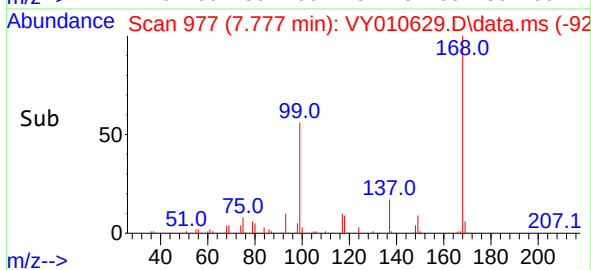
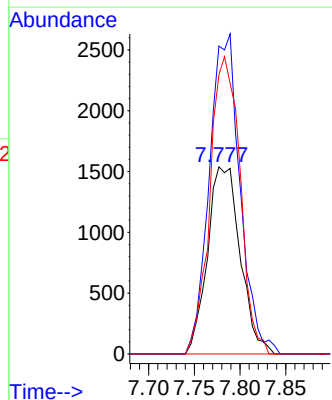
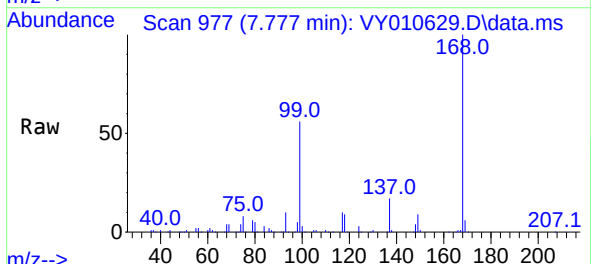
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MSVOA_Y
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SB-14-6.5-7.0

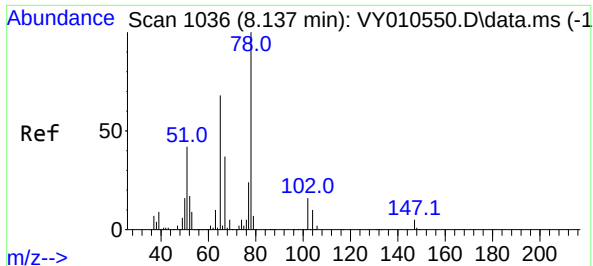
Tgt Ion: 77 Resp: 4519
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 56 Resp: 3834
Ion Ratio Lower Upper
56 100
69 164.6 26.7 40.1#
84 149.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.322 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY010629.D

Acq: 22 Sep 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

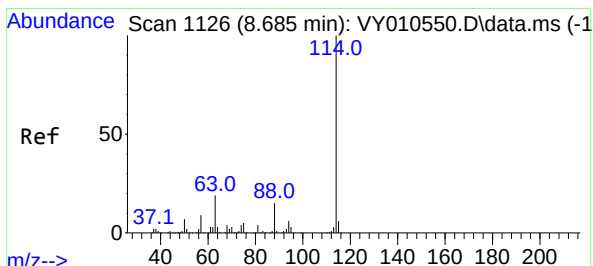
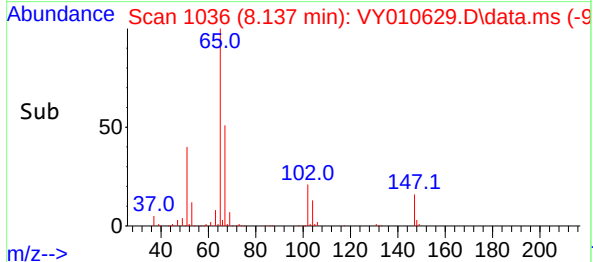
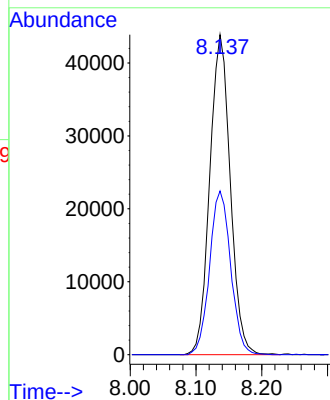
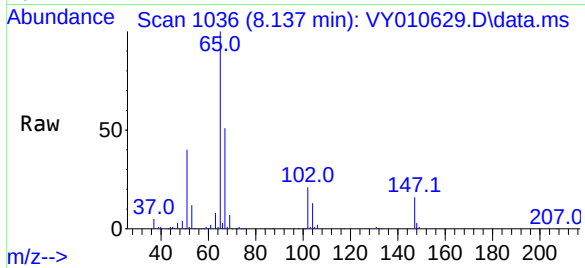
SB-14-6.5-7.0

Tgt Ion: 65 Resp: 95191

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: VY010629.D

Acq: 22 Sep 2022 17:49

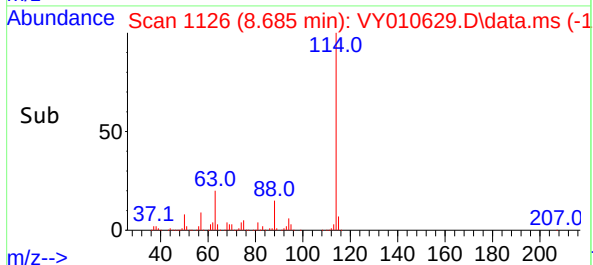
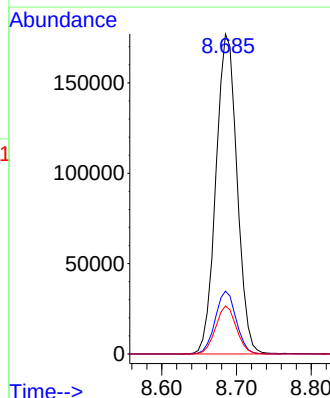
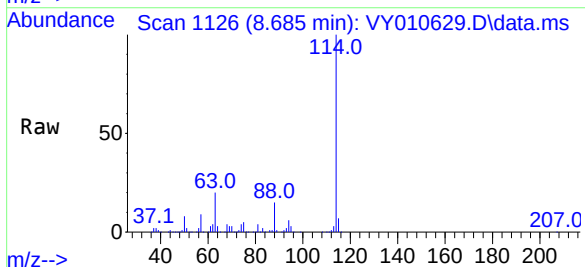
Tgt Ion:114 Resp: 348226

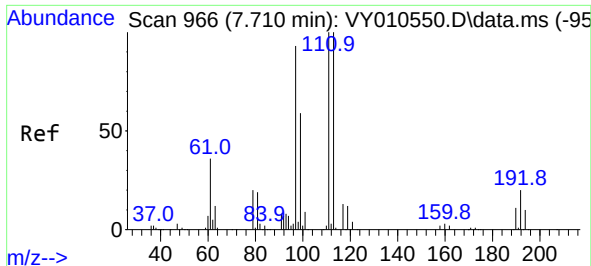
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.0 0.0 31.8

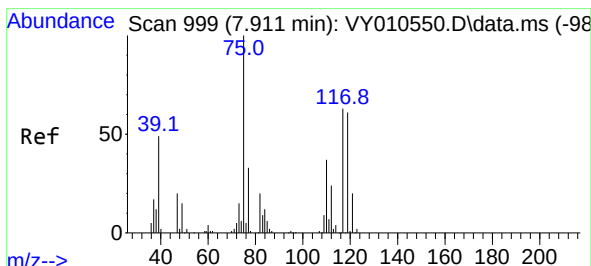
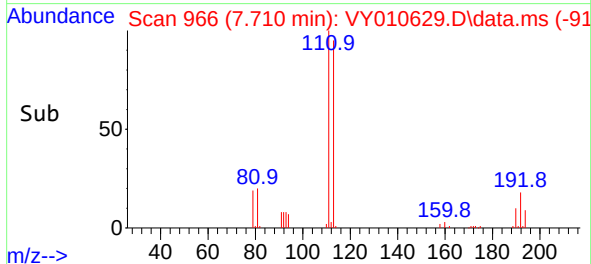
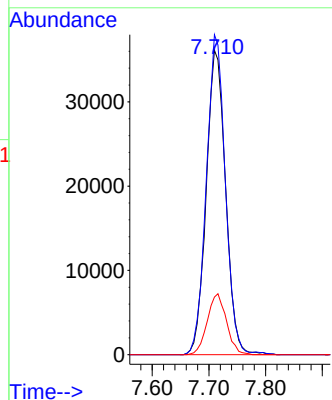
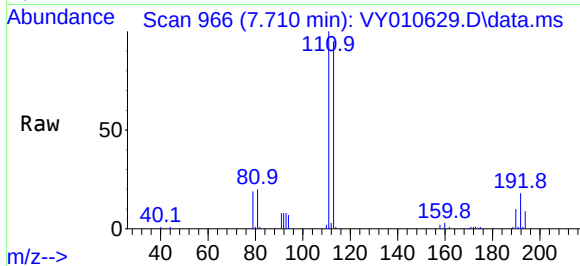




#35
Dibromofluoromethane
Concen: 38.591 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

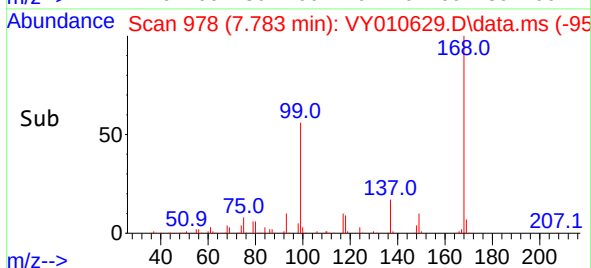
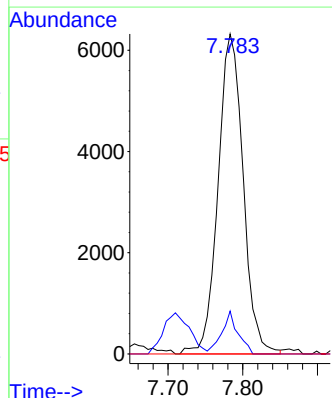
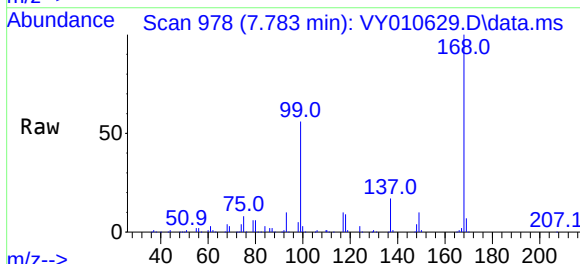
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

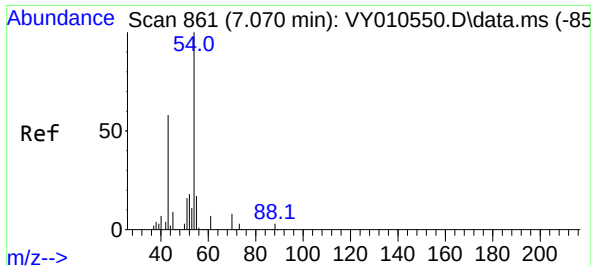
Tgt Ion:	113	Resp:	85765
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	19.8	17.6	26.4



#36
1,1-Dichloropropene
Concen: 5.967 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion:	75	Resp:	14776
Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 2.079 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY010629.D

Acq: 22 Sep 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

SB-14-6.5-7.0

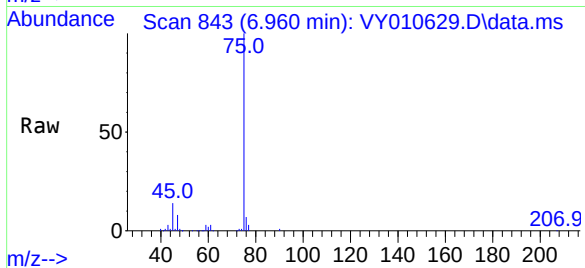
Tgt Ion: 43 Resp: 2974

Ion Ratio Lower Upper

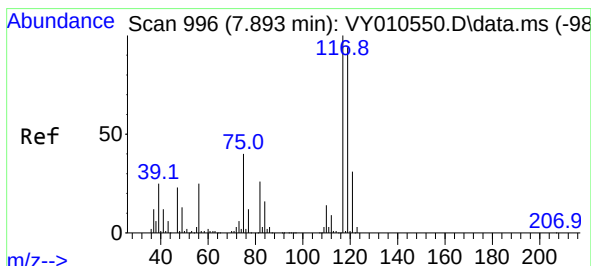
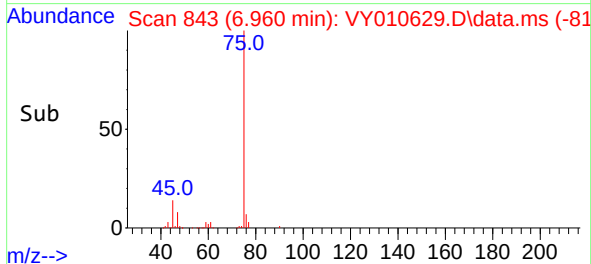
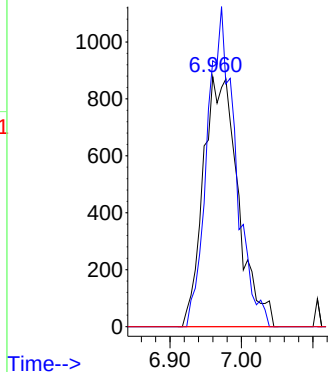
43 100

61 103.0 9.7 14.5#

70 0.0 7.1 10.7#



Abundance



#38

Carbon Tetrachloride

Concen: 6.378 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010629.D

Acq: 22 Sep 2022 17:49

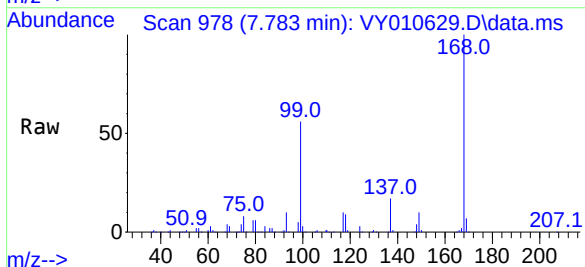
Tgt Ion: 117 Resp: 18159

Ion Ratio Lower Upper

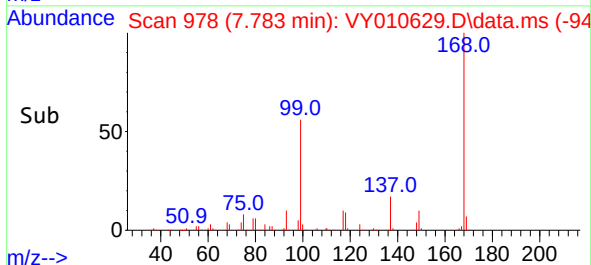
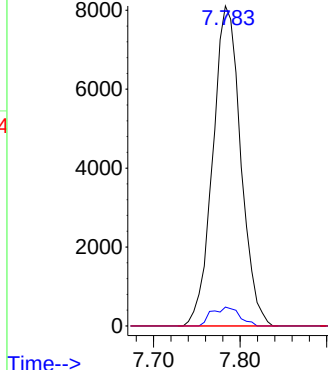
117 100

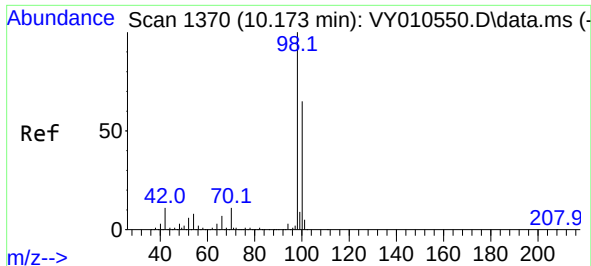
119 5.9 77.9 116.9#

121 0.0 24.8 37.2#



Abundance

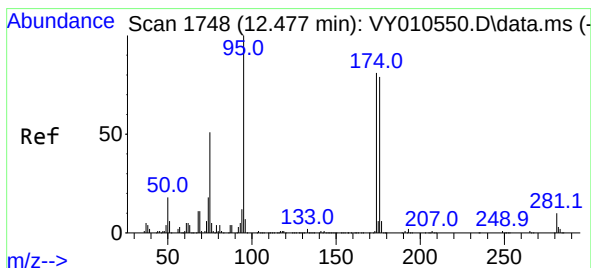
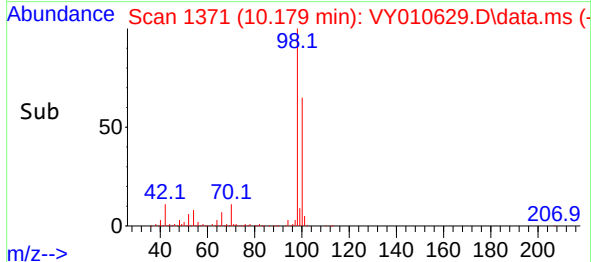
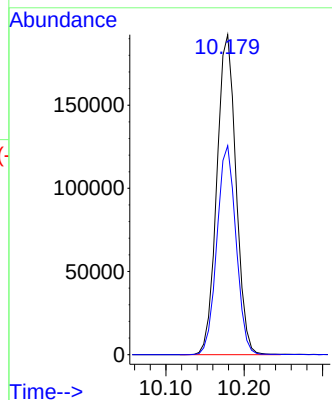
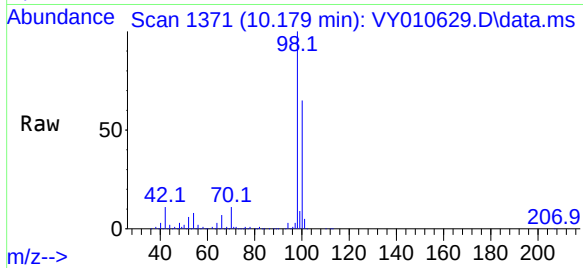




#50
Toluene-d8
Concen: 40.437 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

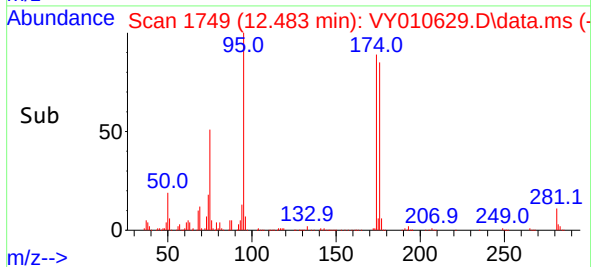
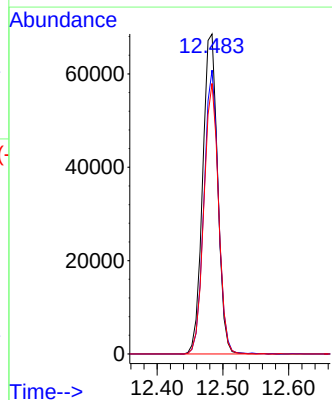
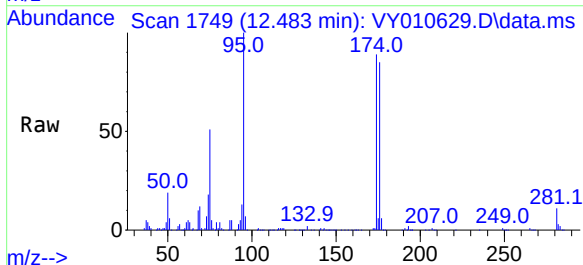
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

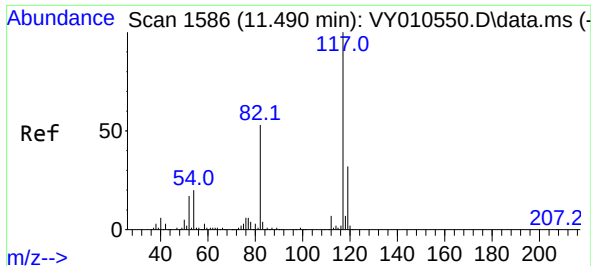
Tgt Ion: 98 Resp: 326892
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.785 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 95 Resp: 108539
Ion Ratio Lower Upper
95 100
174 85.3 0.0 177.0
176 82.5 0.0 175.8

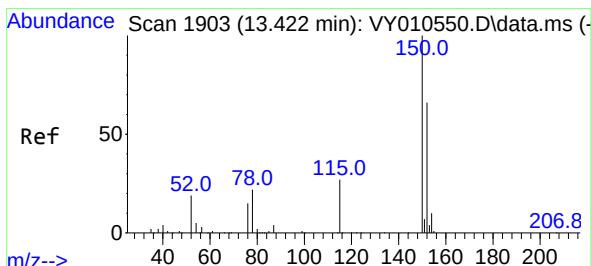
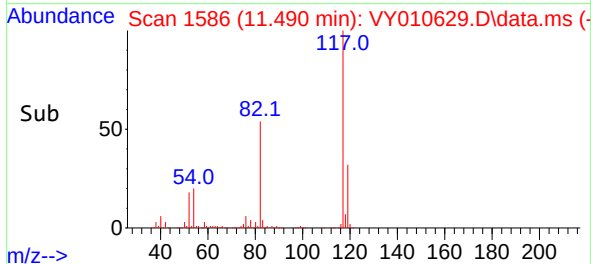
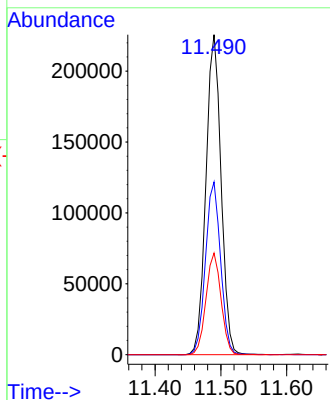
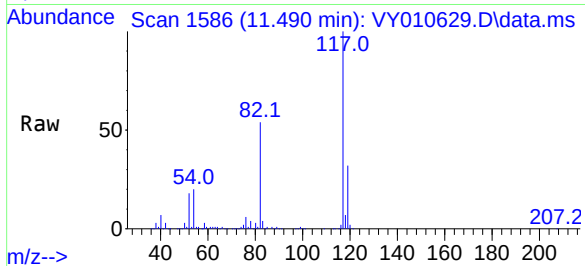




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

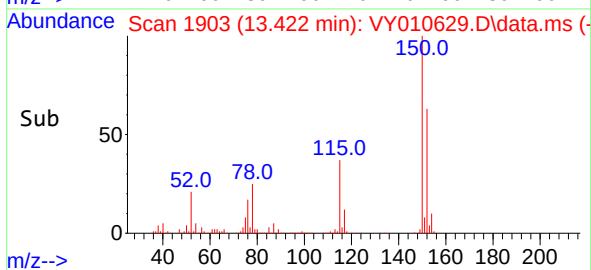
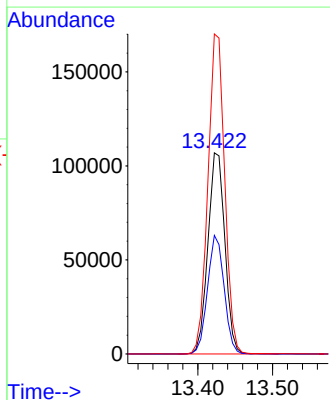
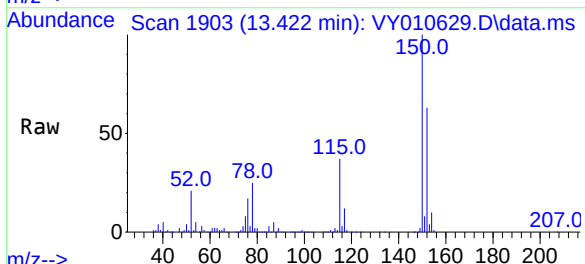
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

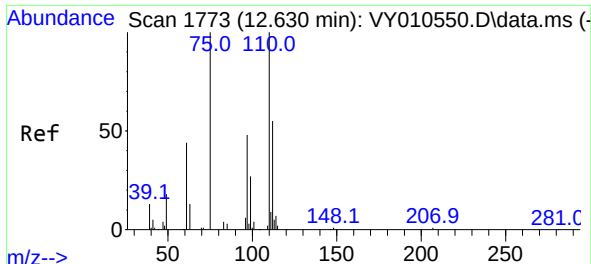
Tgt Ion:117 Resp: 360743
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion:152 Resp: 168519
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 157.4 0.0 347.6

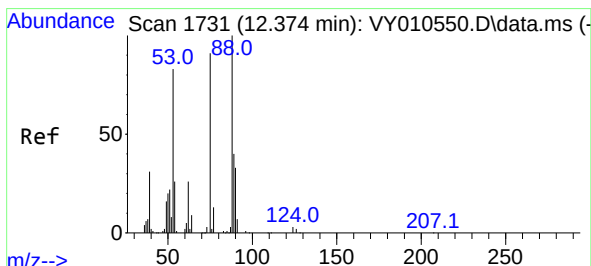
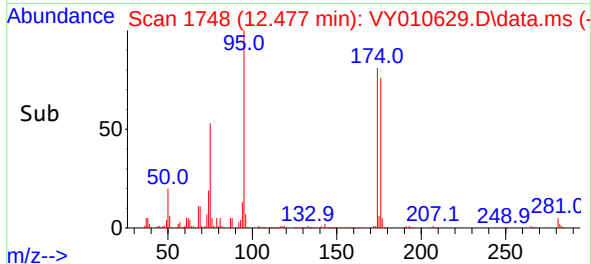
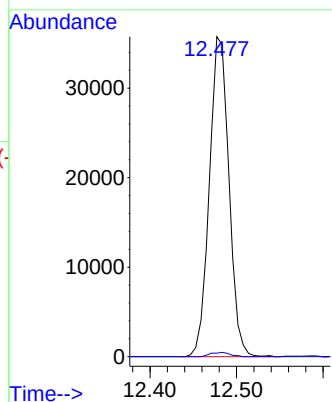
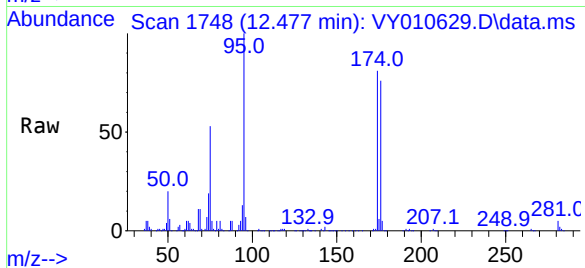




#76
1,2,3-Trichloropropane
Concen: 34.894 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :
SB-14-6.5-7.0

Tgt Ion: 75 Resp: 56123
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.584 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010629.D
Acq: 22 Sep 2022 17:49

Tgt Ion: 75 Resp: 56123
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

