

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010583.D
 Acq On : 20 Sep 2022 18:20
 Operator : KP/MD
 Sample : N4697-05
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

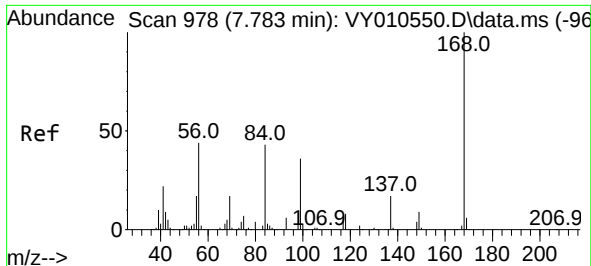
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-24-6.5-7.0

Quant Time: Sep 21 01:21:56 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	1864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	3365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	1391	78.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.040%	
35) Dibromofluoromethane	7.716	113	396	18.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 36.880%#	
50) Toluene-d8	10.179	98	3814	48.176	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.360%	
62) 4-Bromofluorobenzene	12.483	95	982	32.387	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 64.780%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	255	17.118	ug/l	94
4) Vinyl Chloride	2.235	62	20	Below Cal	#	43
5) Bromomethane	2.674	94	154	9.890	ug/l	90
10) Methyl Iodide	4.095	142	324	19.027	ug/l #	71
14) Allyl chloride	4.216	41	25	1.260	ug/l #	74
16) Acetone	3.930	43	186	51.159	ug/l #	47
19) Methyl tert-butyl Ether	5.192	73	43	1.048	ug/l #	52
20) Methylene Chloride	4.698	84	574	23.323	ug/l #	79
25) 2-Butanone	6.960	43	29	5.099	ug/l #	54
26) 2,2-Dichloropropane	6.954	77	90	3.329	ug/l #	55
27) cis-1,2-Dichloroethene	6.911	96	46	2.493	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	77	3.218	ug/l #	42
37) Ethyl Acetate	6.960	43	29	2.098	ug/l #	72
38) Carbon Tetrachloride	7.789	117	90	3.271	ug/l #	11
51) 4-Methyl-2-Pentanone	10.069	43	50	3.496	ug/l #	40
59) 2-Hexanone	10.709	43	19	1.960	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	516	67.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	516	149.511	ug/l #	7
95) Naphthalene	15.233	128	919	34.977	ug/l #	71

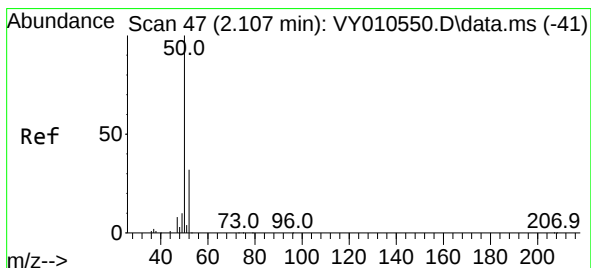
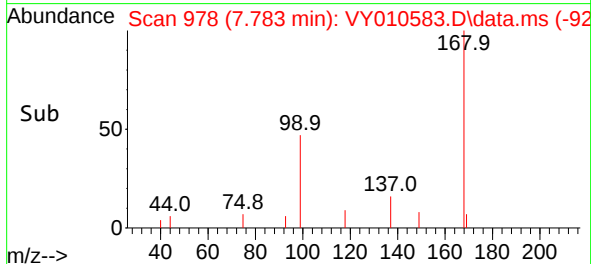
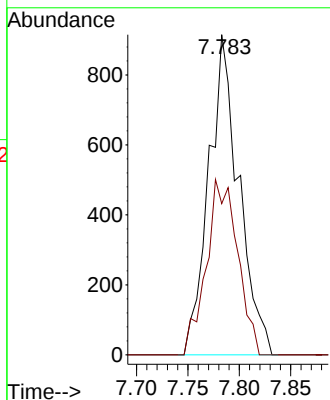
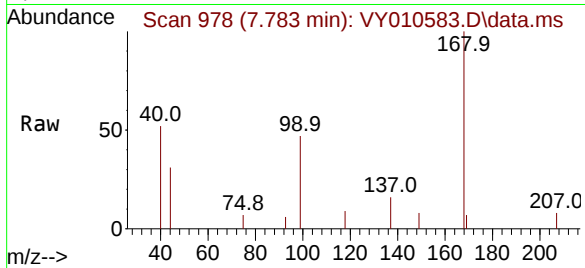
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

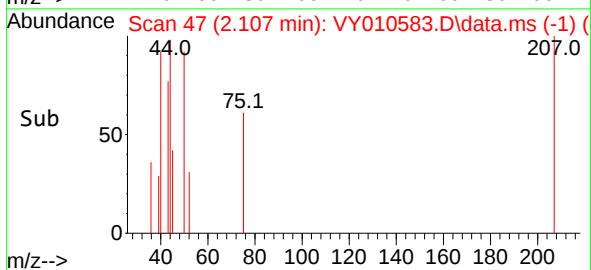
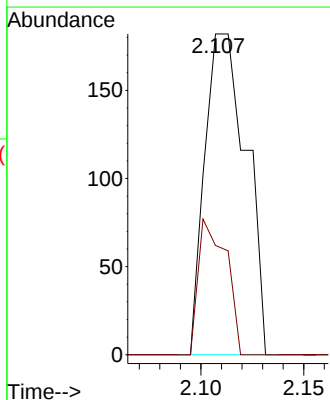
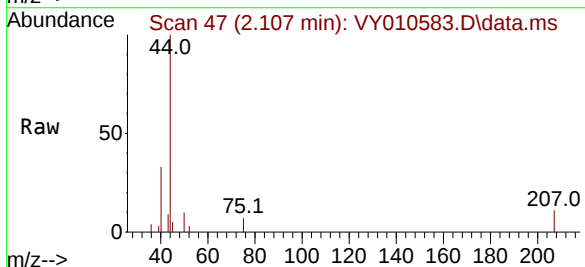
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0

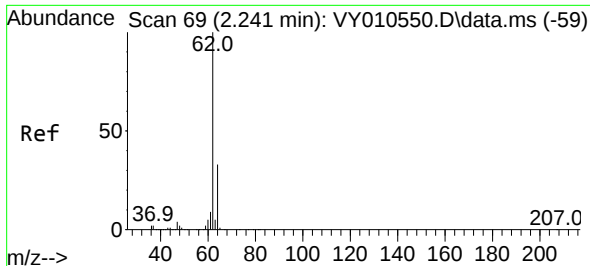
Tgt Ion:168 Resp: 1864
Ion Ratio Lower Upper
168 100
99 47.2 46.9 70.3



#3
Chloromethane
Concen: 17.118 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Tgt Ion: 50 Resp: 255
Ion Ratio Lower Upper
50 100
52 34.1 24.6 37.0

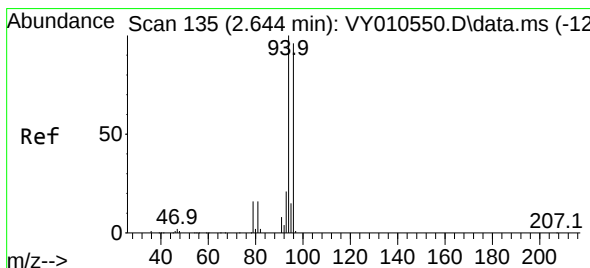
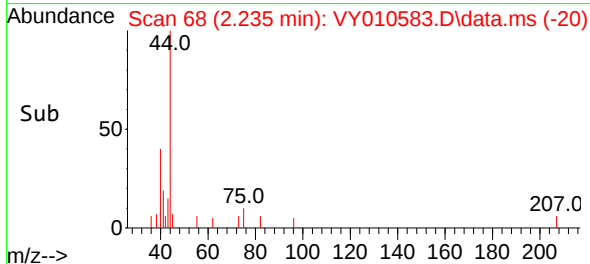
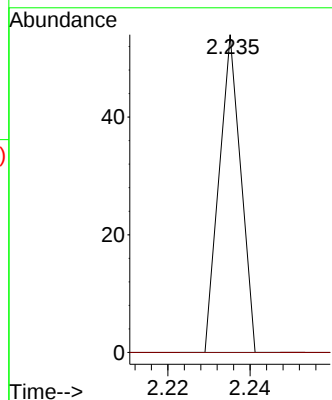
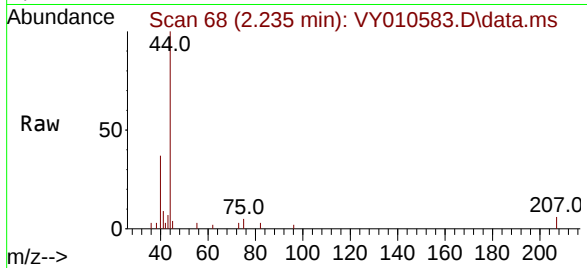




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.235 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY010583.D
 Acq: 20 Sep 2022 18:20

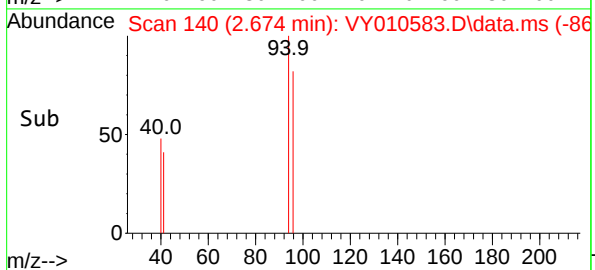
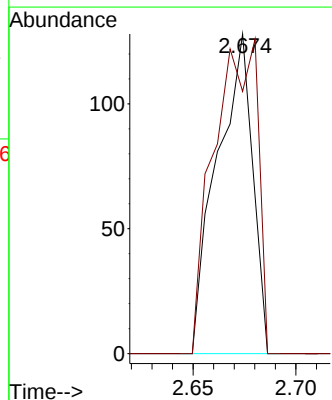
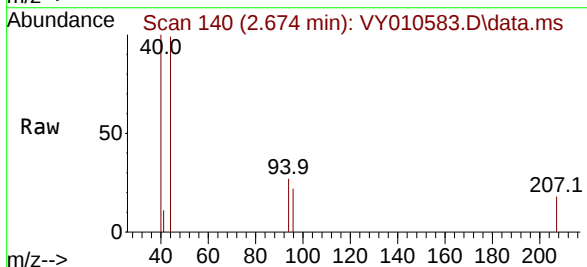
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-24-6.5-7.0

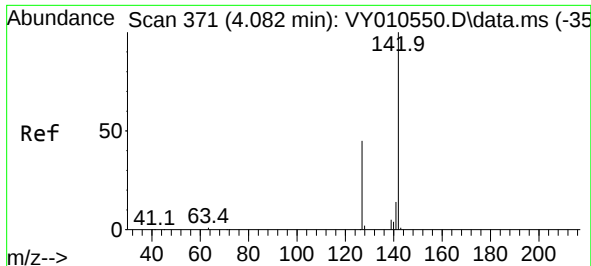
Tgt Ion: 62 Resp: 20
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 9.890 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.030 min
 Lab File: VY010583.D
 Acq: 20 Sep 2022 18:20

Tgt Ion: 94 Resp: 154
 Ion Ratio Lower Upper
 94 100
 96 82.0 73.5 110.3

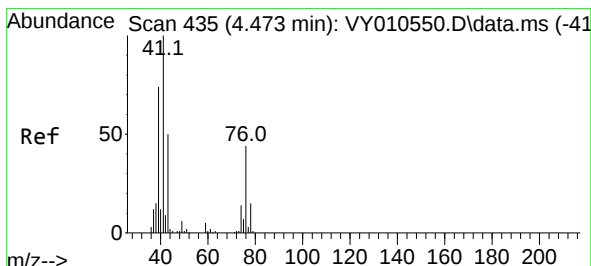
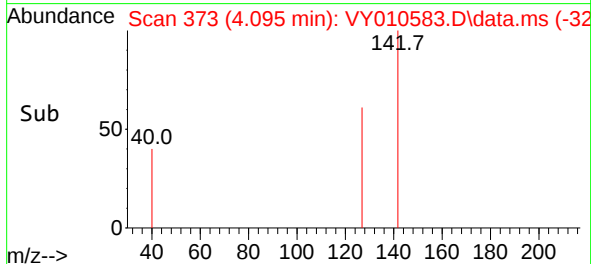
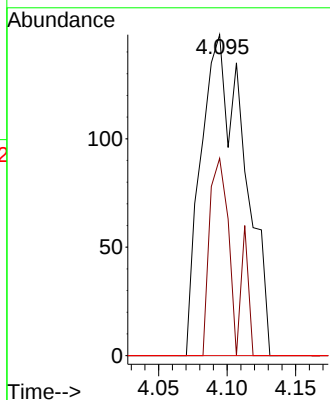
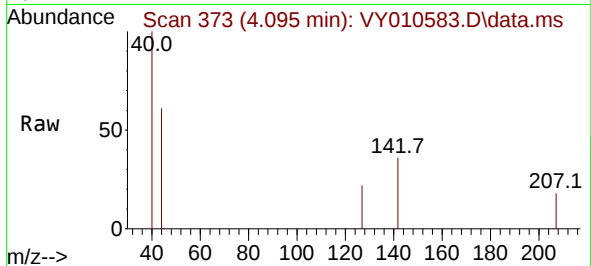




#10
Methyl Iodide
Concen: 19.027 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

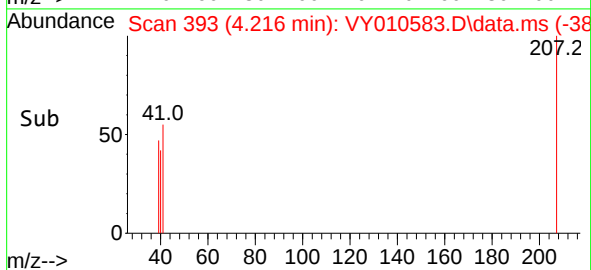
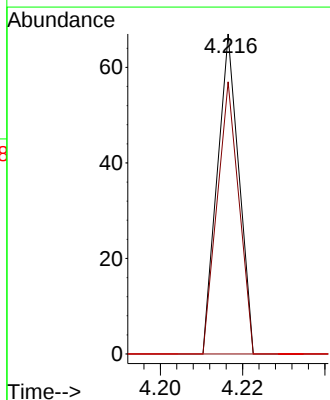
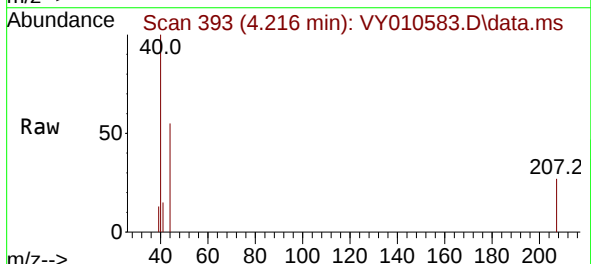
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0

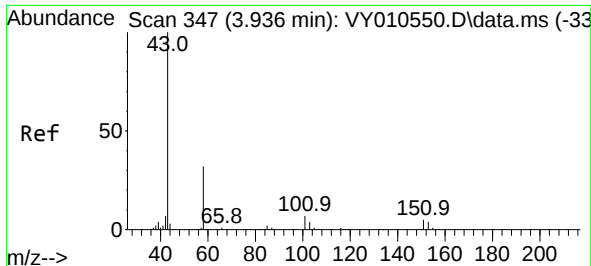
Tgt Ion:142 Resp: 324
Ion Ratio Lower Upper
142 100
127 33.0 41.5 62.3#
141 0.0 11.9 17.9#



#14
Allyl chloride
Concen: 1.260 ug/l
RT: 4.216 min Scan# 393
Delta R.T. -0.257 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Tgt Ion: 41 Resp: 25
Ion Ratio Lower Upper
41 100
39 84.0 58.8 88.2
76 0.0 25.1 37.7#





#16

Acetone

Concen: 51.159 ug/l

RT: 3.930 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

Instrument :

MSVOA_Y

ClientSampleId :

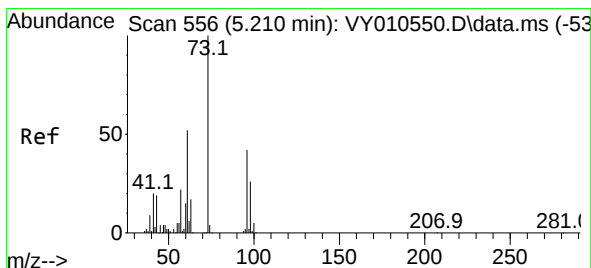
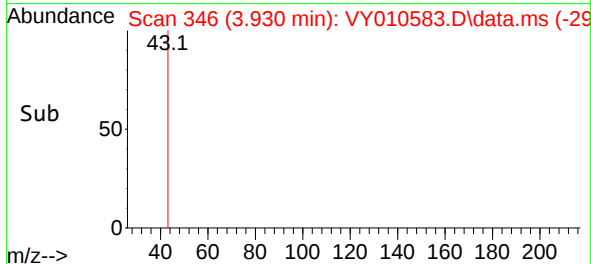
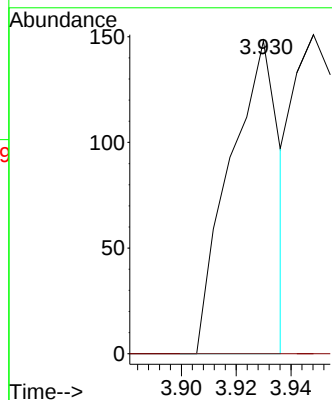
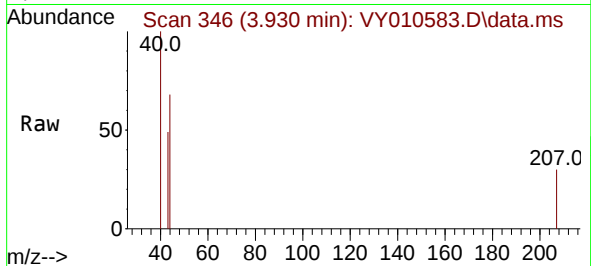
SB-24-6.5-7.0

Tgt Ion: 43 Resp: 186

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#19

Methyl tert-butyl Ether

Concen: 1.048 ug/l

RT: 5.192 min Scan# 553

Delta R.T. -0.018 min

Lab File: VY010583.D

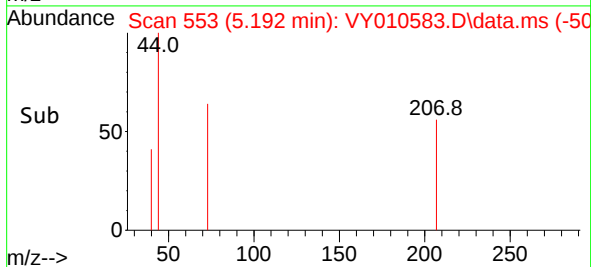
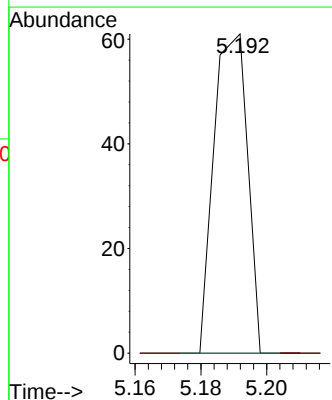
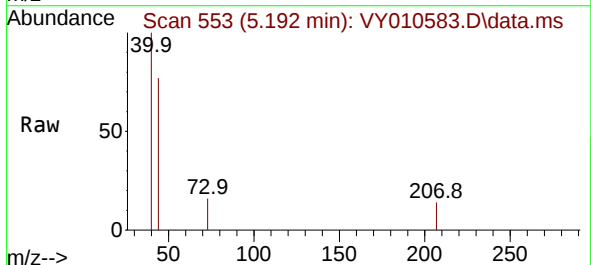
Acq: 20 Sep 2022 18:20

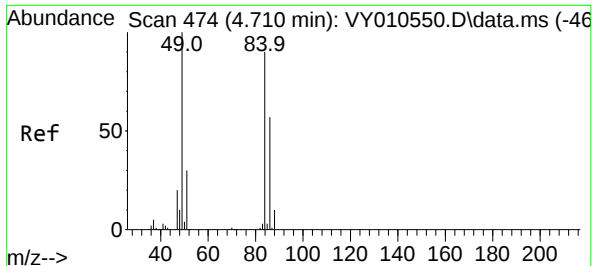
Tgt Ion: 73 Resp: 43

Ion Ratio Lower Upper

73 100

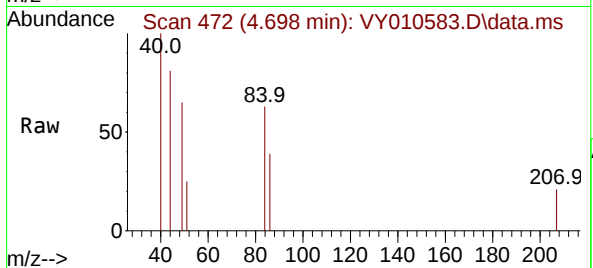
57 0.0 18.6 27.8#





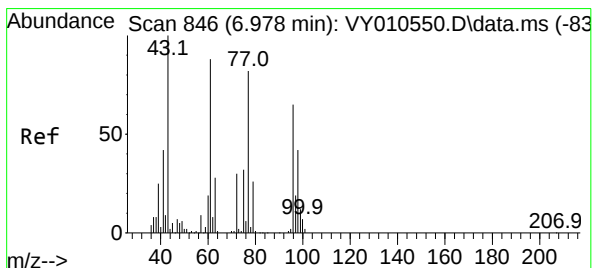
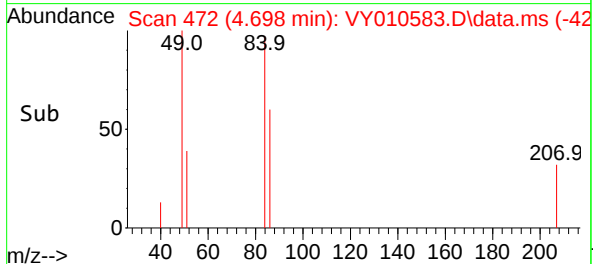
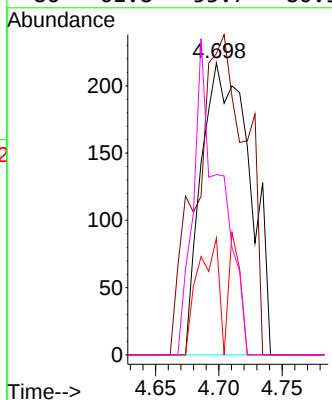
#20
Methylene Chloride
Concen: 23.323 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0



Tgt Ion: 84 Resp: 574

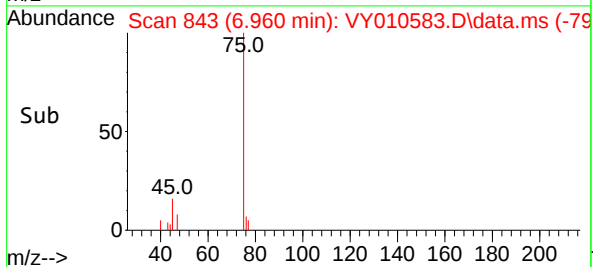
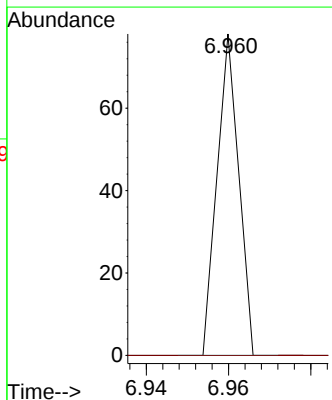
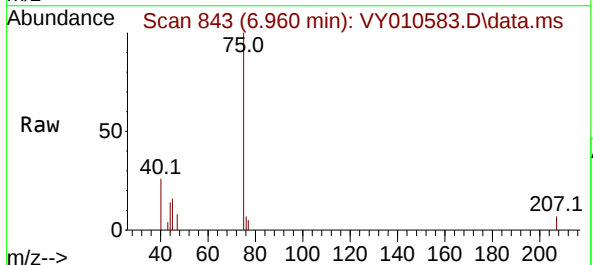
Ion	Ratio	Lower	Upper
84	100		
49	103.2	114.4	171.6#
51	40.1	35.3	52.9
86	61.8	53.7	80.5

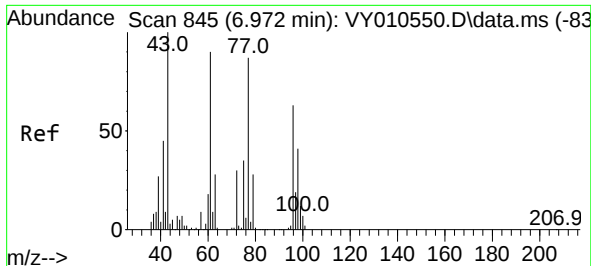


#25
2-Butanone
Concen: 5.099 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.018 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Tgt Ion: 43 Resp: 29

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 3.329 ug/l

RT: 6.954 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

Instrument :

MSVOA_Y

ClientSampleId :

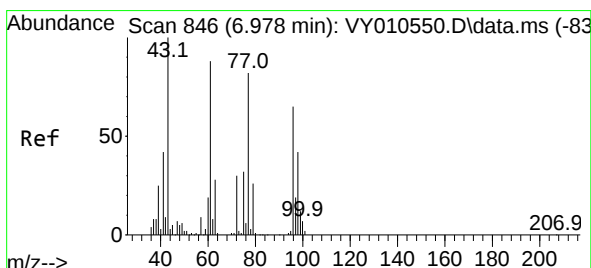
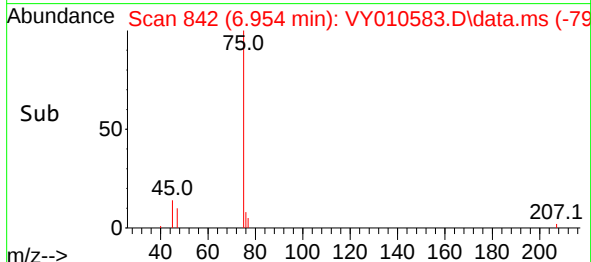
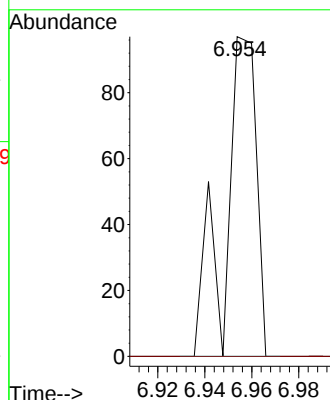
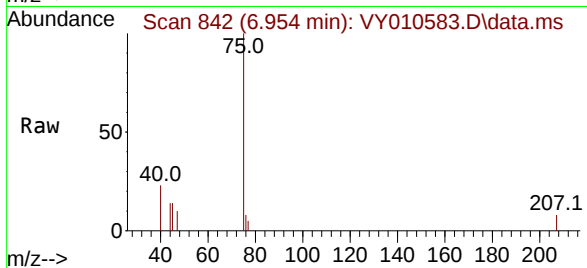
SB-24-6.5-7.0

Tgt Ion: 77 Resp: 90

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#27

cis-1,2-Dichloroethene

Concen: 2.493 ug/l

RT: 6.911 min Scan# 835

Delta R.T. -0.067 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

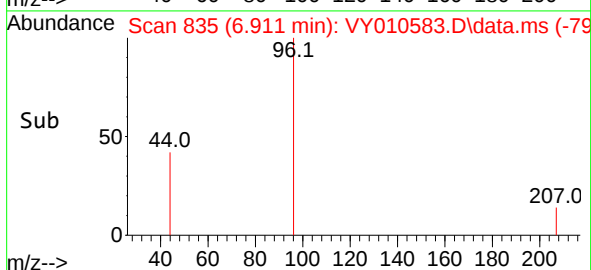
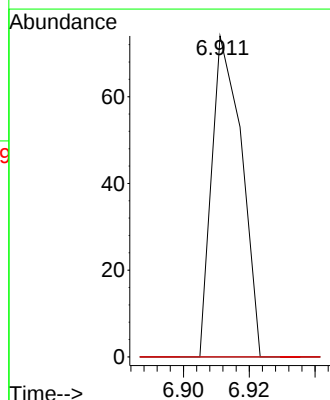
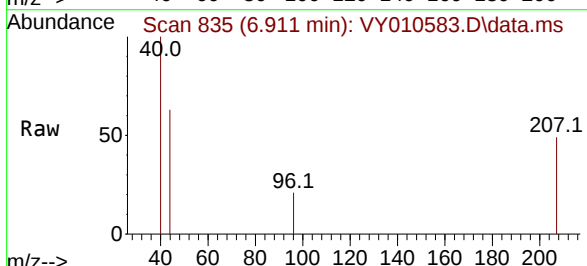
Tgt Ion: 96 Resp: 46

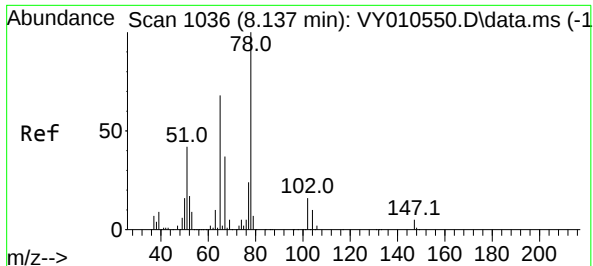
Ion Ratio Lower Upper

96 100

61 0.0 0.0 319.8

98 0.0 0.0 127.0





#33

1,2-Dichloroethane-d4

Concen: 78.020 ug/l

RT: 8.130 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY010583.D

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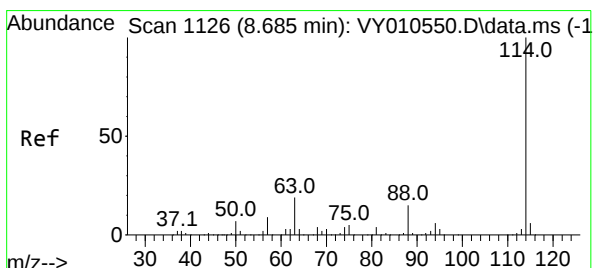
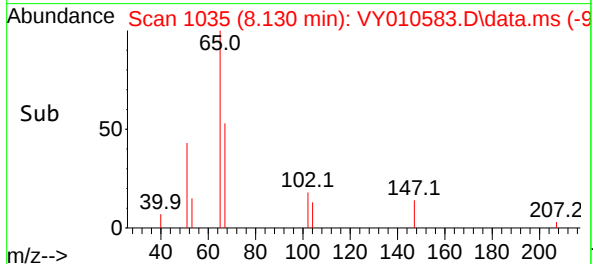
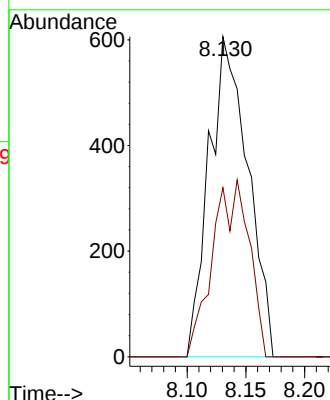
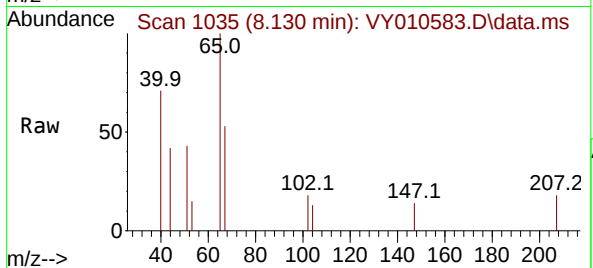
SB-24-6.5-7.0

Tgt Ion: 65 Resp: 1391

Ion Ratio Lower Upper

65 100

67 28.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

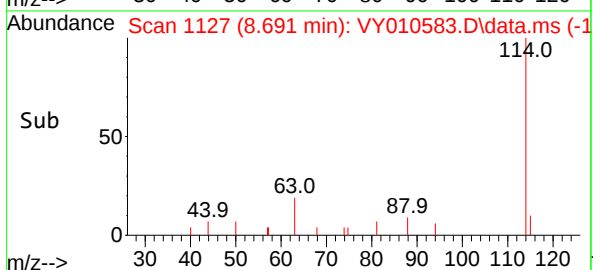
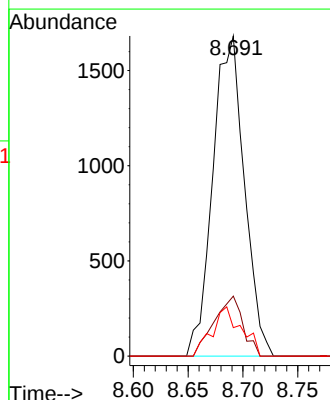
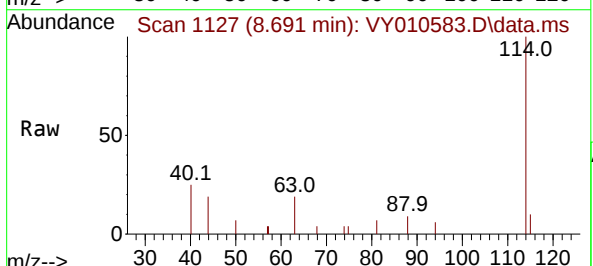
Tgt Ion: 114 Resp: 3365

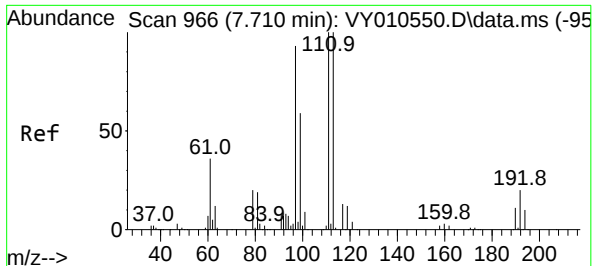
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 8.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 18.440 ug/l

RT: 7.716 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-24-6.5-7.0

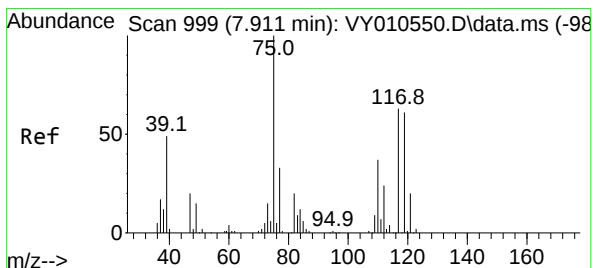
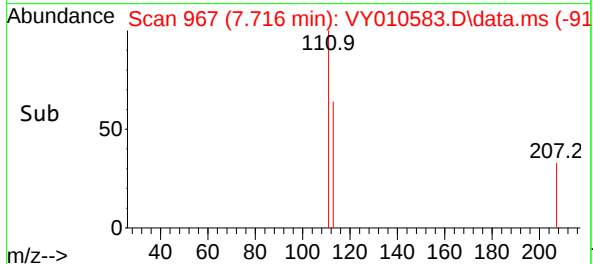
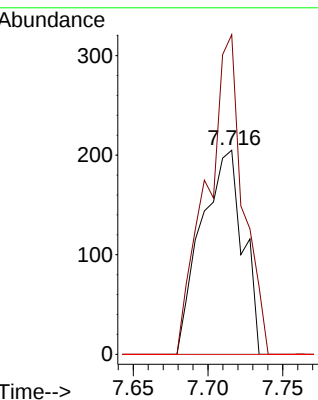
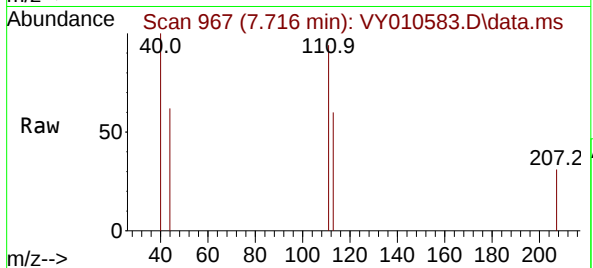
Tgt Ion:113 Resp: 396

Ion Ratio Lower Upper

113 100

111 137.9 82.6 124.0#

192 0.0 17.6 26.4#



#36

1,1-Dichloropropene

Concen: 3.218 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

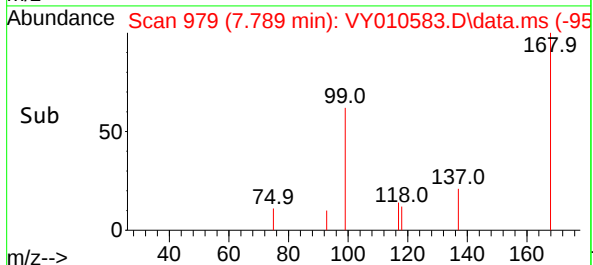
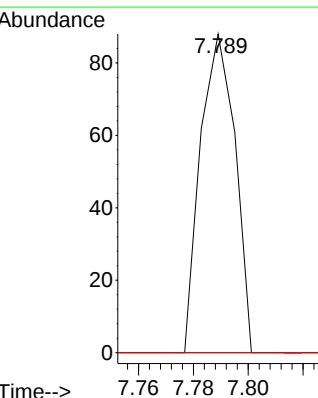
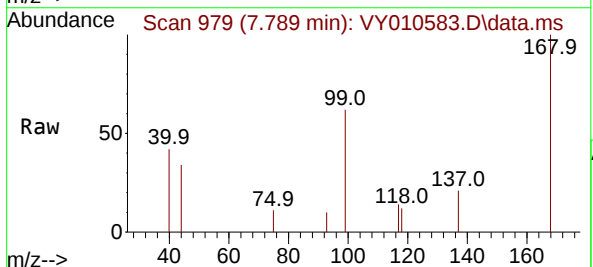
Tgt Ion: 75 Resp: 77

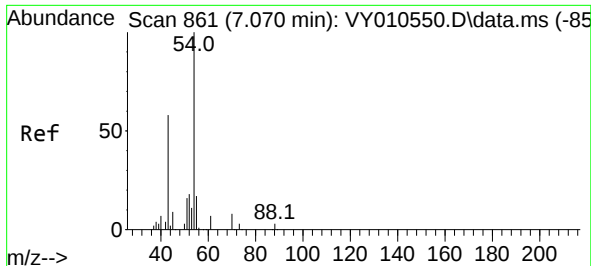
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.098 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-24-6.5-7.0

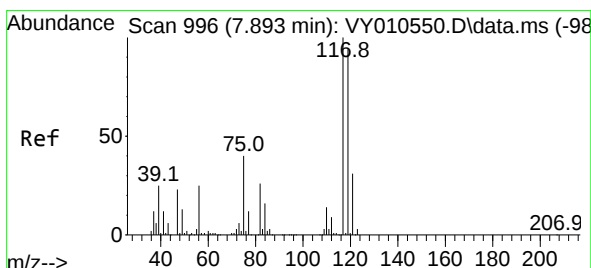
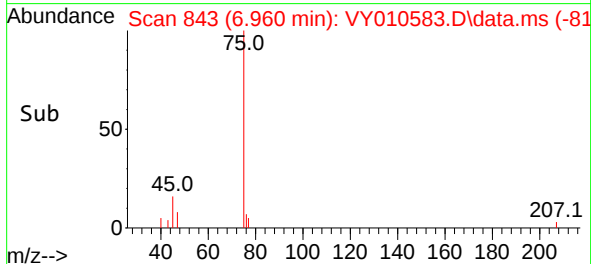
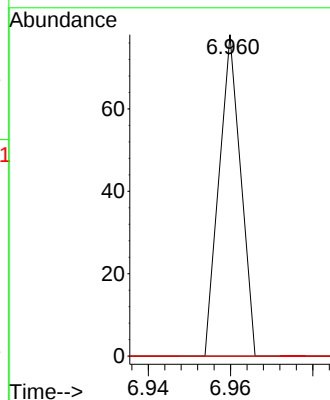
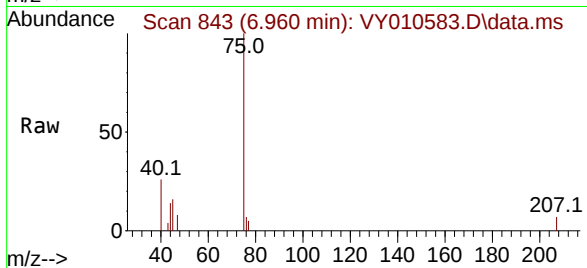
Tgt Ion: 43 Resp: 29

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 3.271 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY010583.D

Acq: 20 Sep 2022 18:20

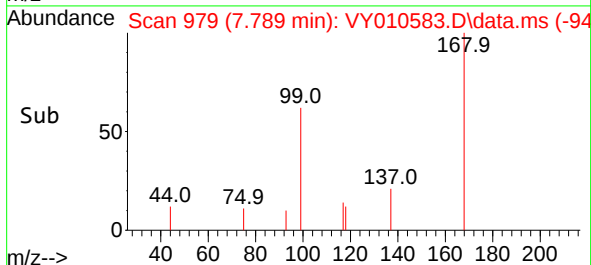
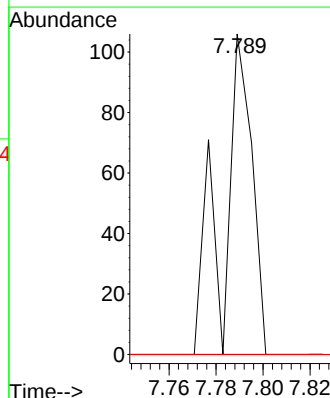
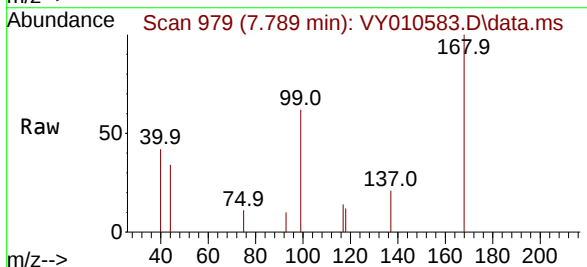
Tgt Ion: 117 Resp: 90

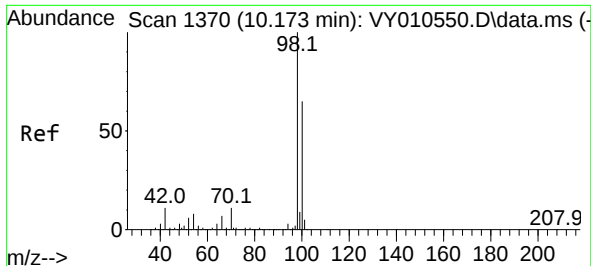
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

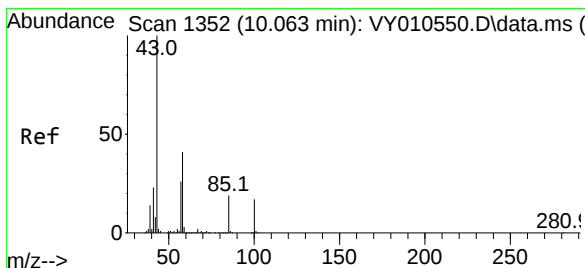
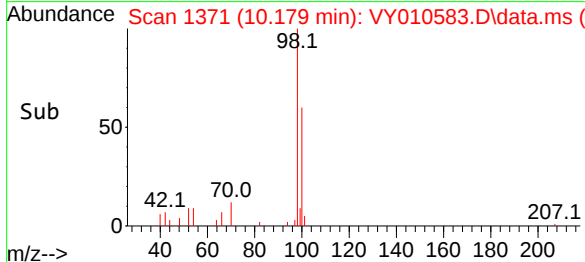
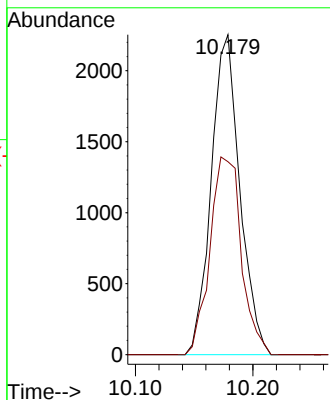
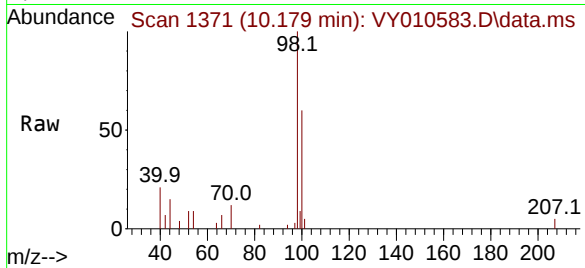




#50
Toluene-d8
Concen: 48.176 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

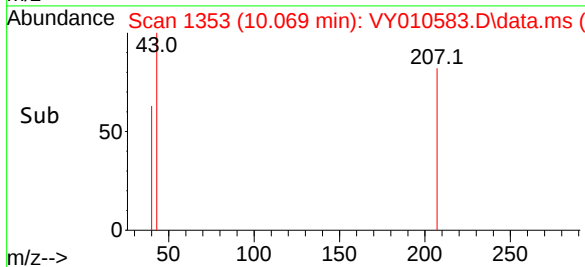
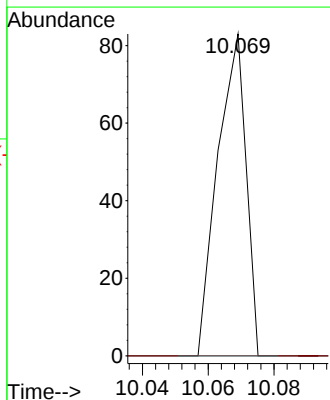
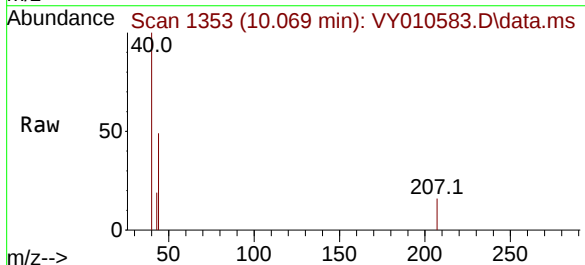
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0

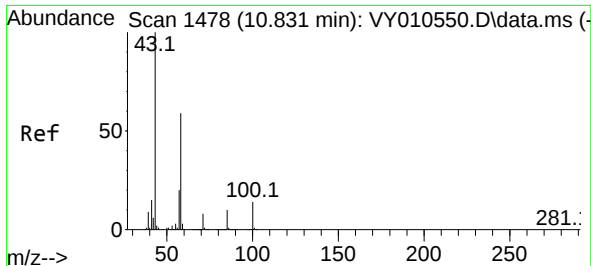
Tgt Ion: 98 Resp: 3814
Ion Ratio Lower Upper
98 100
100 67.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 3.496 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#

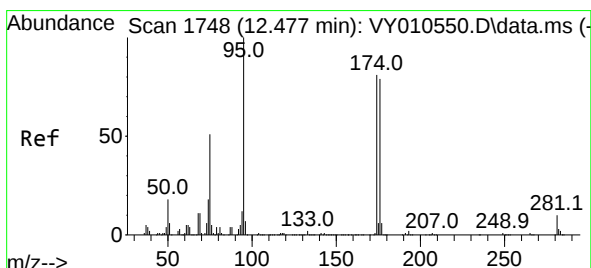
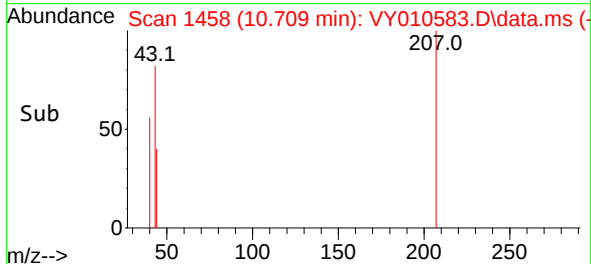
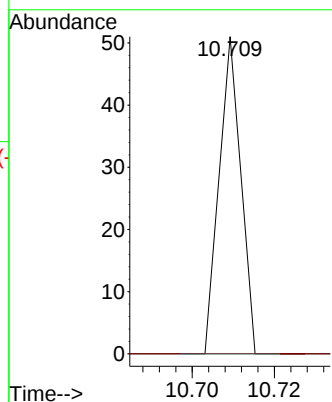
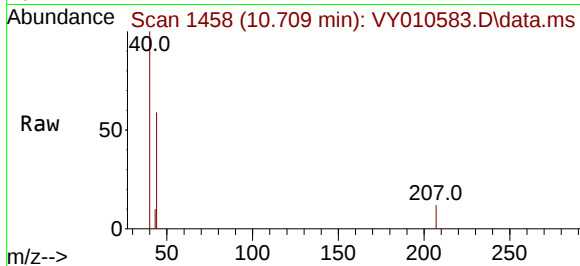




#59
2-Hexanone
Concen: 1.960 ug/l
RT: 10.709 min Scan# 1478
Delta R.T. -0.122 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

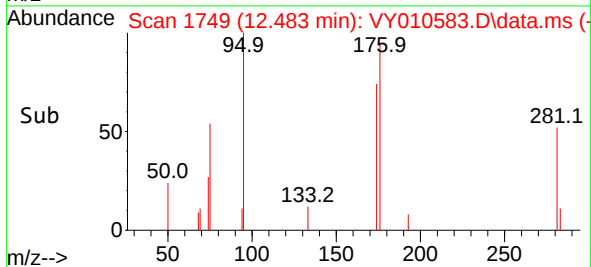
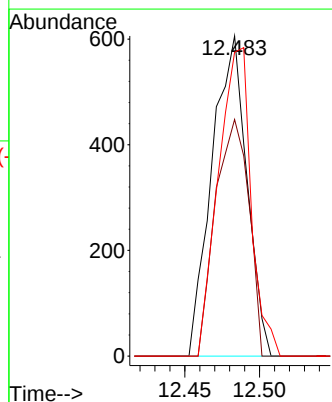
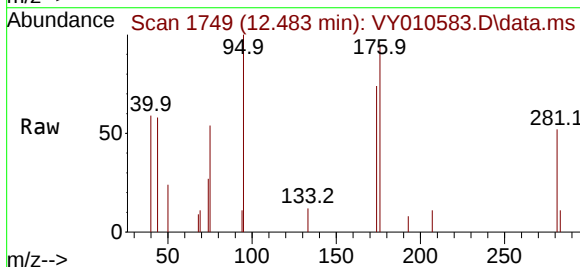
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0

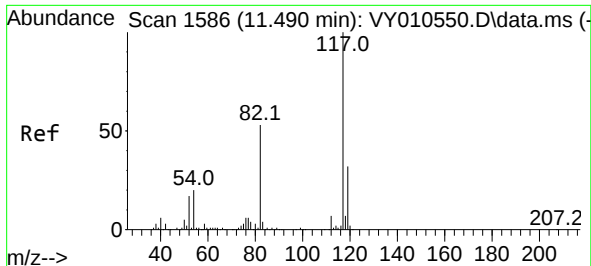
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 32.387 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Tgt Ion: 95 Resp: 982
Ion Ratio Lower Upper
95 100
174 70.8 0.0 177.0
176 90.3 0.0 175.8

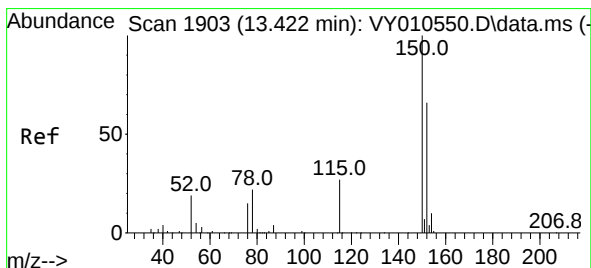
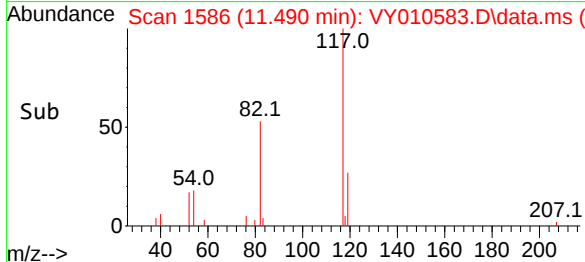
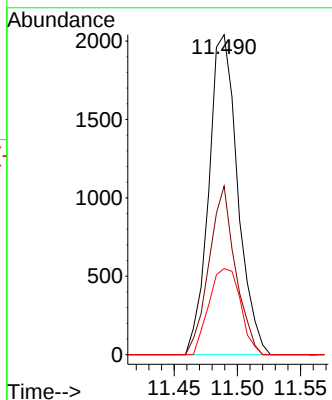
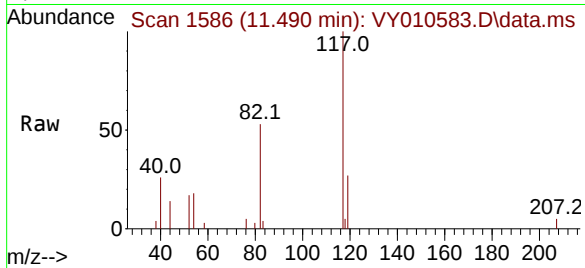




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

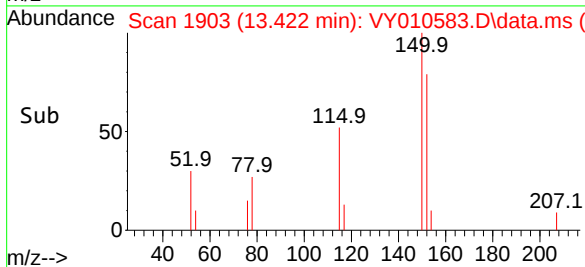
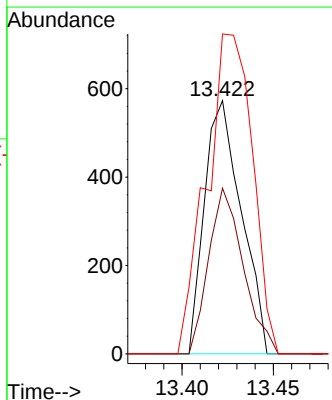
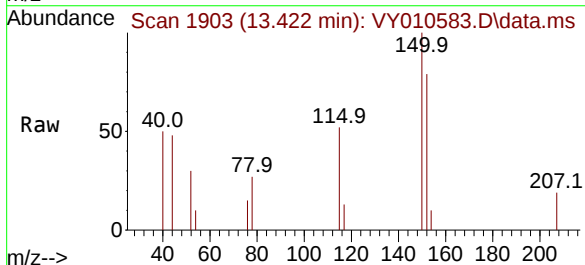
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0

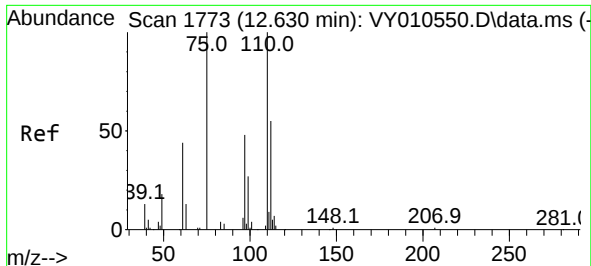
Tgt Ion:	117	Resp:	3246
Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	26.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Tgt Ion:	152	Resp:	804
Ion	Ratio	Lower	Upper
152	100		
115	61.4	28.2	84.7
150	157.2	0.0	347.6

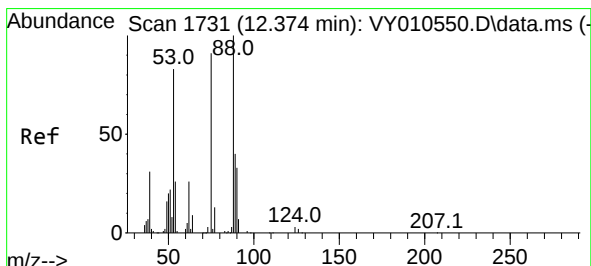
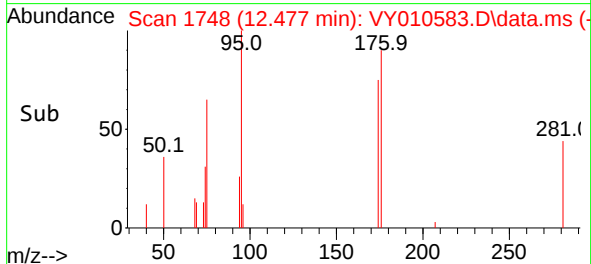
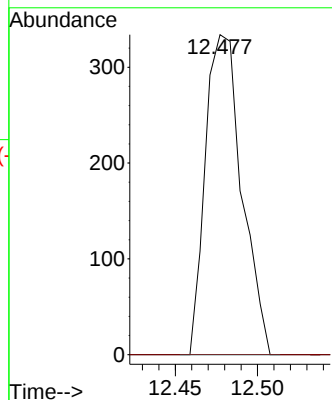
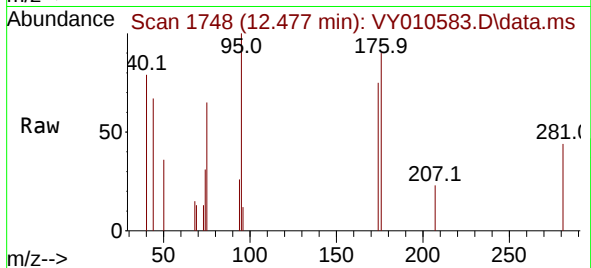




#76
1,2,3-Trichloropropane
Concen: 67.243 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

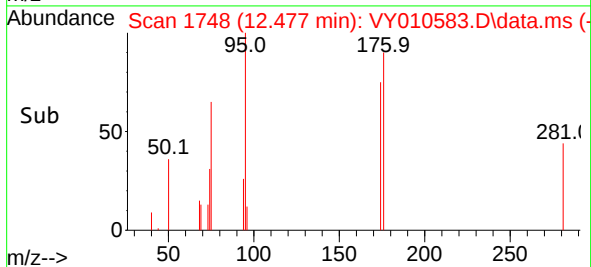
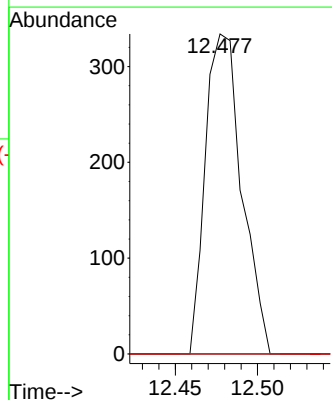
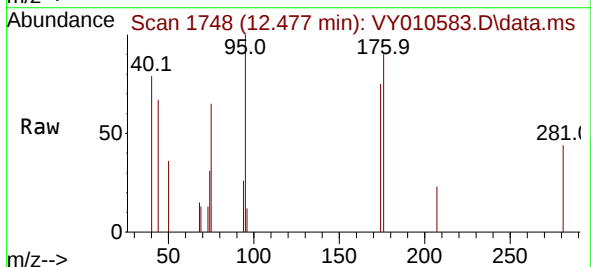
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0

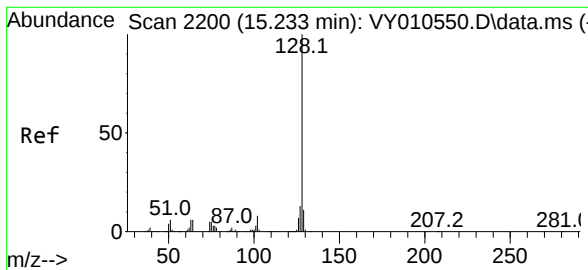
Tgt Ion: 75 Resp: 516
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 149.511 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

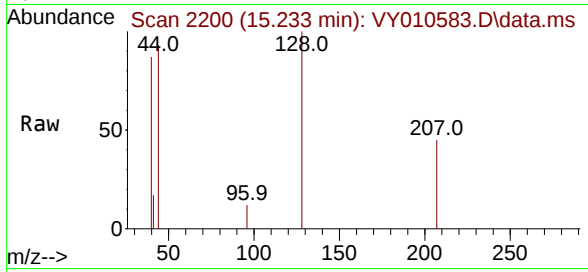
Tgt Ion: 75 Resp: 516
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 34.977 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010583.D
Acq: 20 Sep 2022 18:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-24-6.5-7.0



Tgt Ion:	128	Resp:	919
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	2.4	8.4	12.6#

