

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010652.D
 Acq On : 23 Sep 2022 16:33
 Operator : KP/MD
 Sample : N4724-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10-8.5-9.0

Quant Time: Sep 24 01:22:22 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)

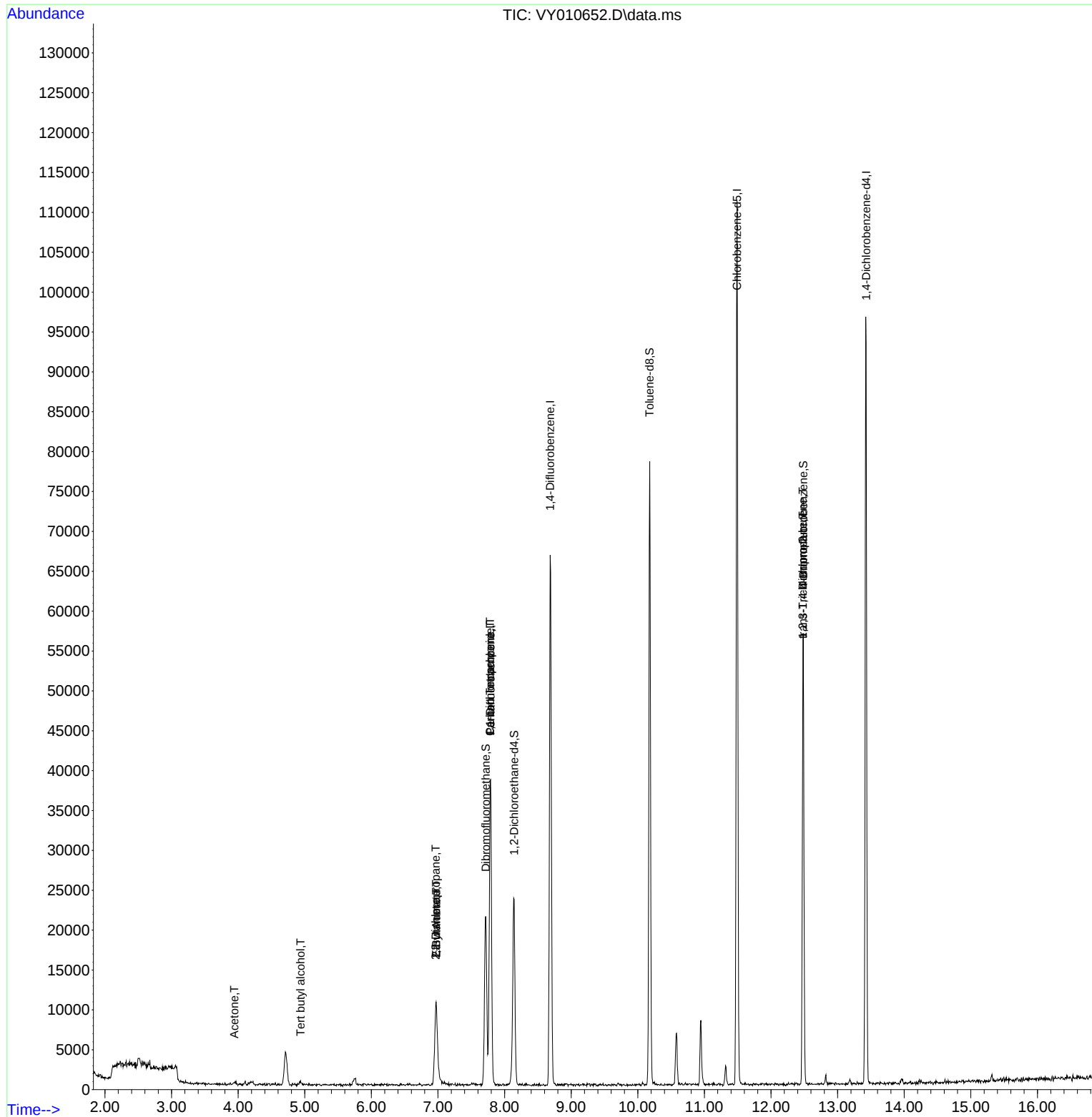
Internal Standards						
1) Pentafluorobenzene	7.789	168	31050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	58129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	61176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	25960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	17580	59.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.380%			
35) Dibromofluoromethane	7.716	113	15203	40.981	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.960%			
50) Toluene-d8	10.179	98	51745	38.506	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 77.020%			
62) 4-Bromofluorobenzene	12.483	95	15454	29.250	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 58.500%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	226	Below Cal	#	44
4) Vinyl Chloride	2.461	62	21	Below Cal	#	43
5) Bromomethane	2.668	94	219	Below Cal		97
11) Tert butyl alcohol	4.936	59	619	12.695	ug/l #	77
16) Acetone	3.942	43	496	8.190	ug/l #	47
18) Methyl Acetate	4.472	43	20	Below Cal	#	56
20) Methylene Chloride	4.716	84	3436	Below Cal	#	74
25) 2-Butanone	6.972	43	554	5.848	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	881	1.956	ug/l #	55
31) Cyclohexane	7.783	56	737	Below Cal	#	43
36) 1,1-Dichloropropene	7.783	75	2691	6.510	ug/l #	55
37) Ethyl Acetate	6.972	43	554	2.320	ug/l #	1
38) Carbon Tetrachloride	7.783	117	3193	6.718	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	8348	33.692	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	8348	74.913	ug/l #	7

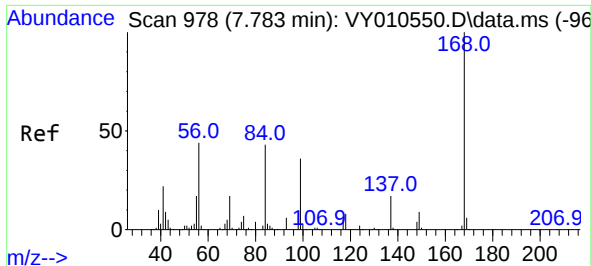
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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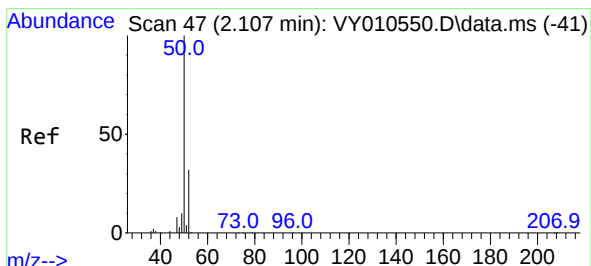
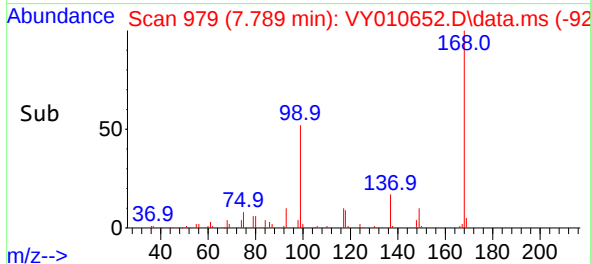
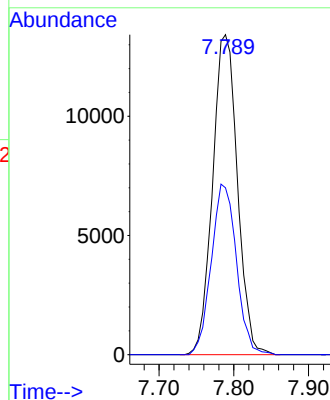
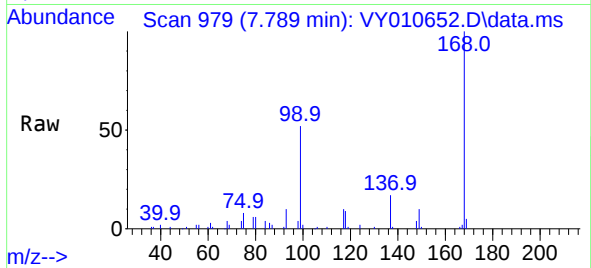




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

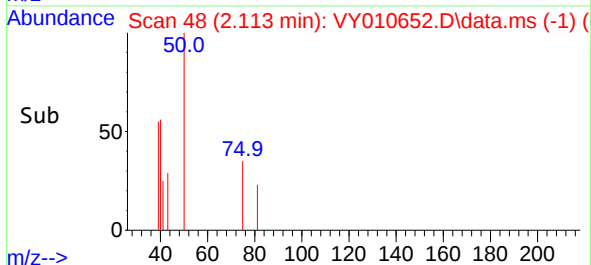
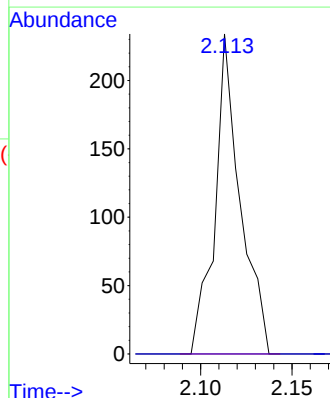
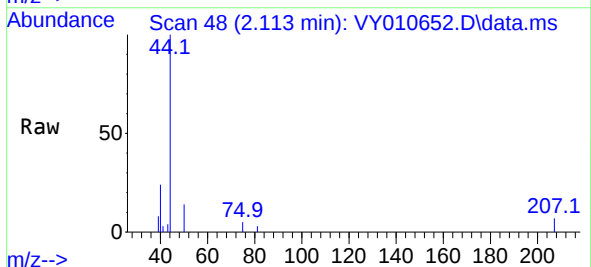
Instrument :
MSVOA_Y
ClientSampleId :
SB-10-8.5-9.0

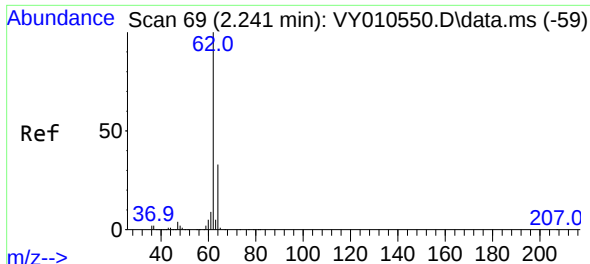
Tgt Ion:168 Resp: 31050
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

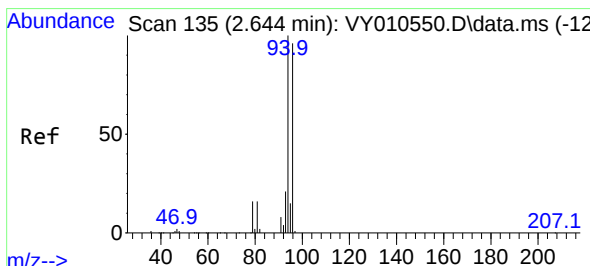
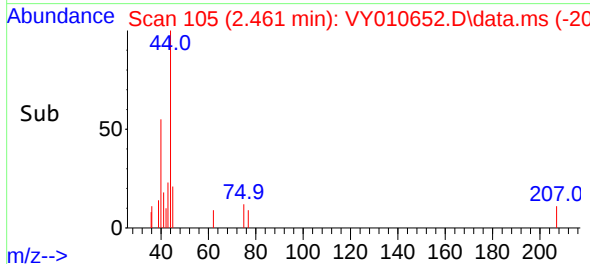
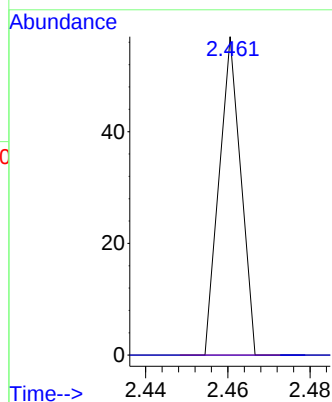
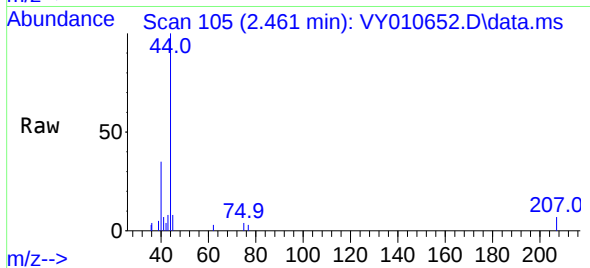




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.461 min Scan# 105
 Delta R.T. 0.220 min
 Lab File: VY010652.D
 Acq: 23 Sep 2022 16:33

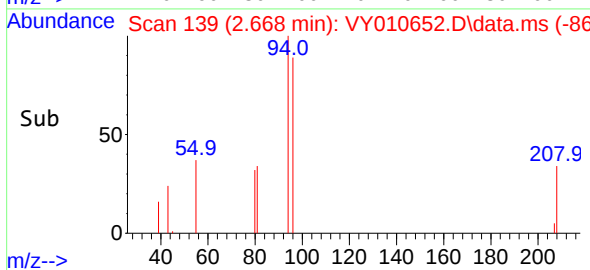
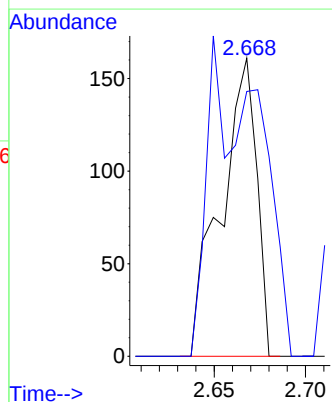
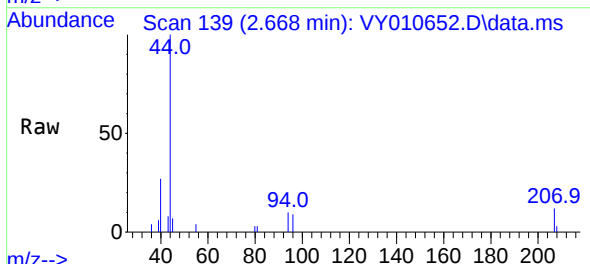
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10-8.5-9.0

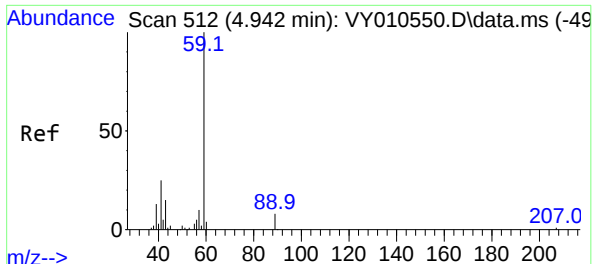
Tgt Ion: 62 Resp: 21
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.668 min Scan# 139
 Delta R.T. 0.024 min
 Lab File: VY010652.D
 Acq: 23 Sep 2022 16:33

Tgt Ion: 94 Resp: 219
 Ion Ratio Lower Upper
 94 100
 96 88.8 73.5 110.3

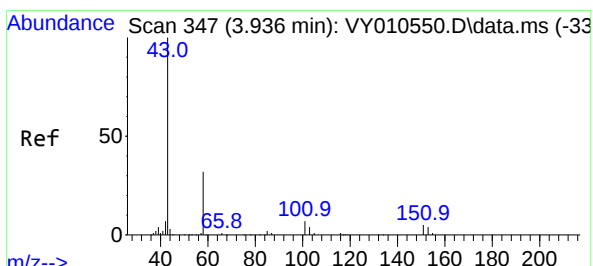
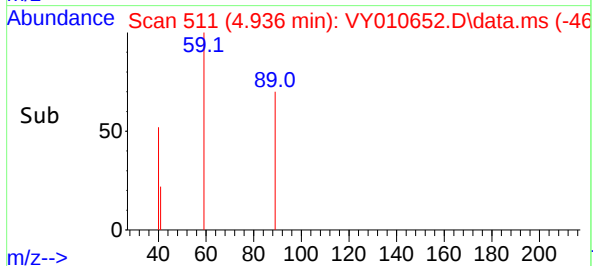
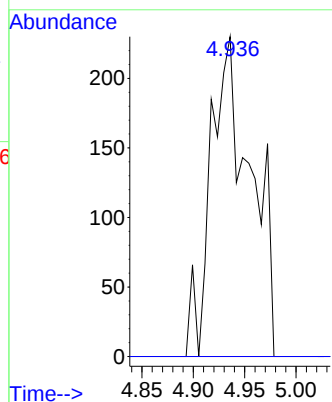
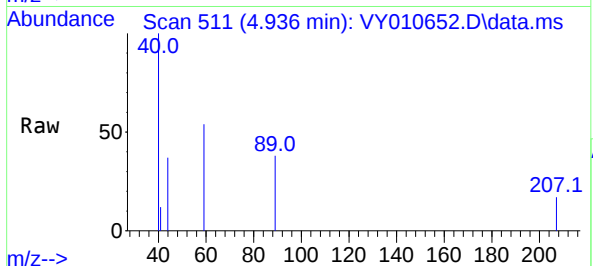




#11
Tert butyl alcohol
Concen: 12.695 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

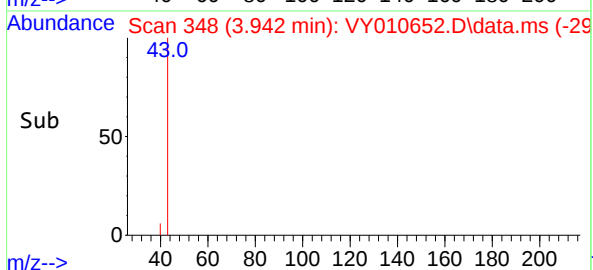
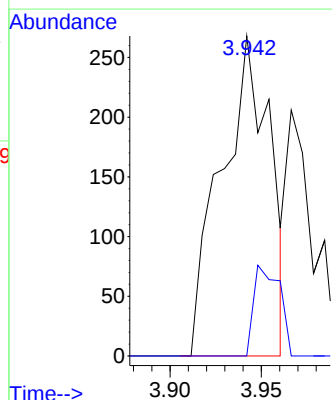
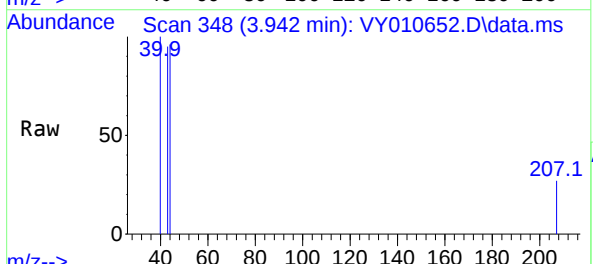
Instrument :
MSVOA_Y
ClientSampleId :
SB-10-8.5-9.0

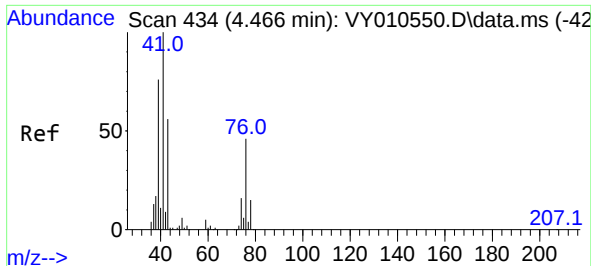
Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 8.190 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY010652.D

Acq: 23 Sep 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

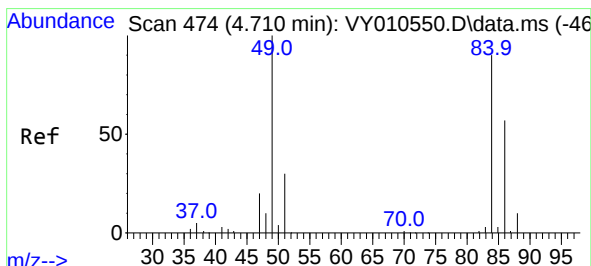
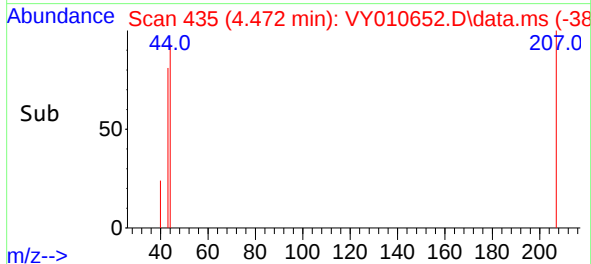
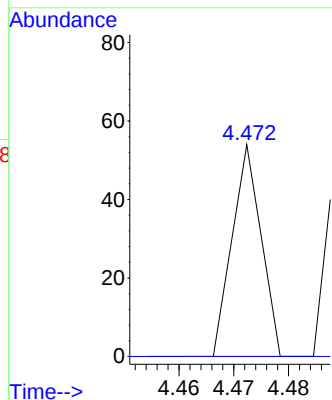
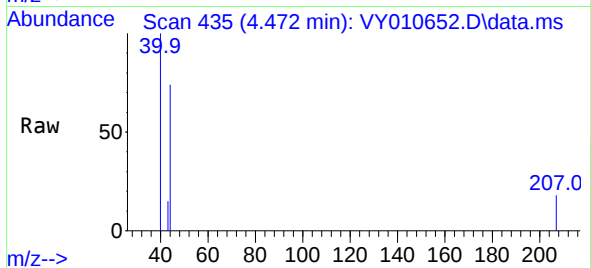
SB-10-8.5-9.0

Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY010652.D

Acq: 23 Sep 2022 16:33

Tgt Ion: 84 Resp: 3436

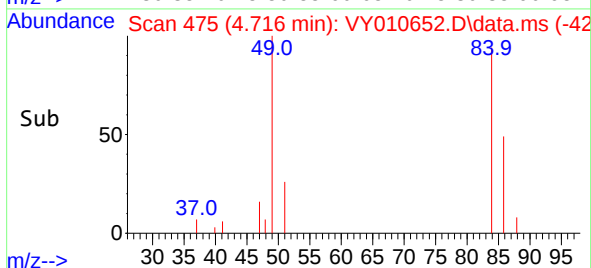
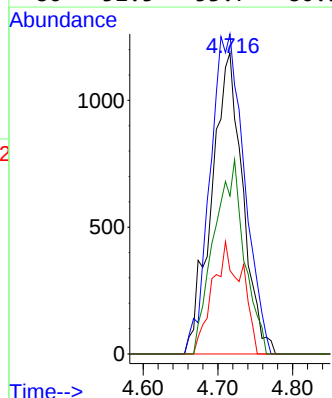
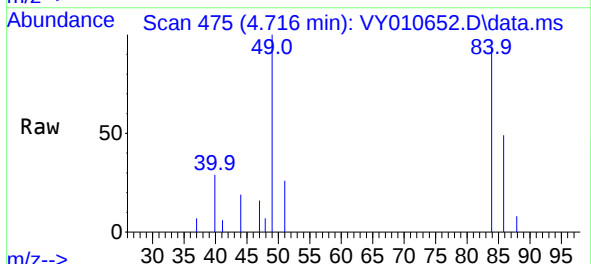
Ion Ratio Lower Upper

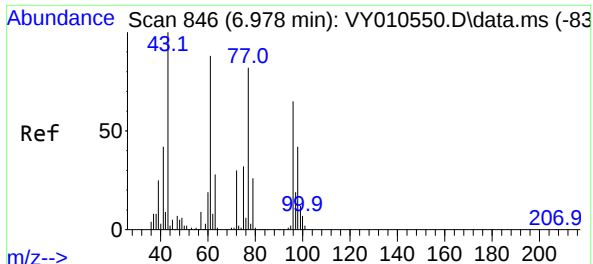
84 100

49 106.3 114.4 171.6#

51 27.7 35.3 52.9#

86 52.5 53.7 80.5#





#25

2-Butanone

Concen: 5.848 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010652.D

Acq: 23 Sep 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

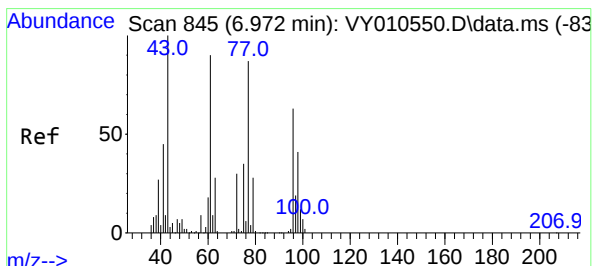
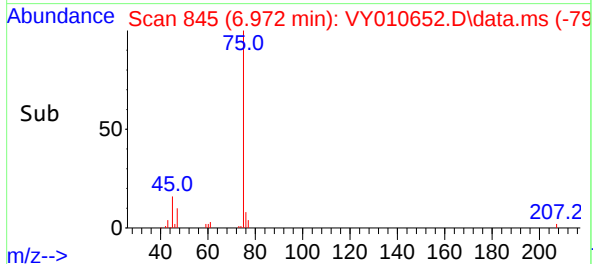
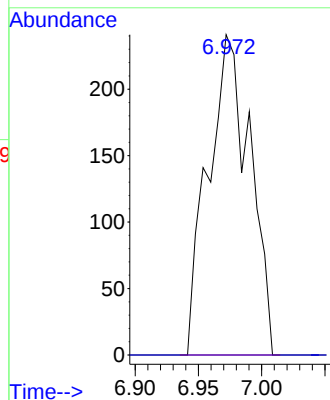
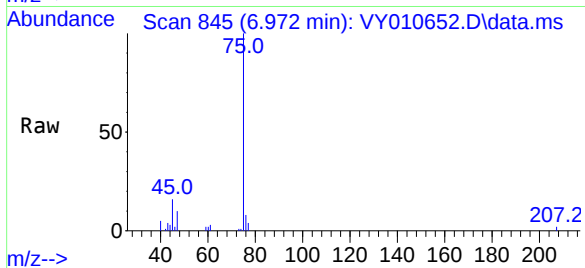
SB-10-8.5-9.0

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.956 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010652.D

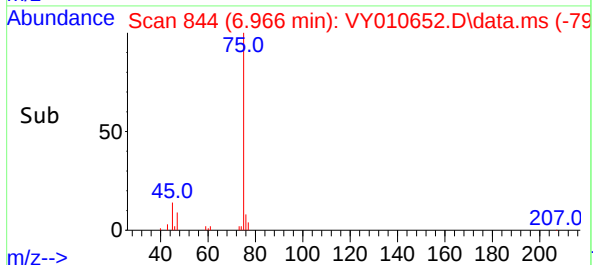
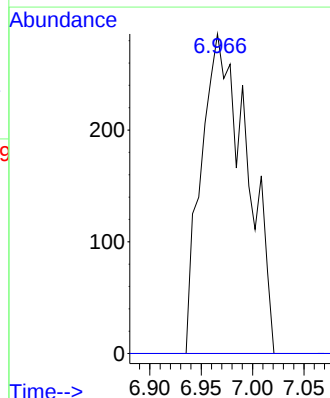
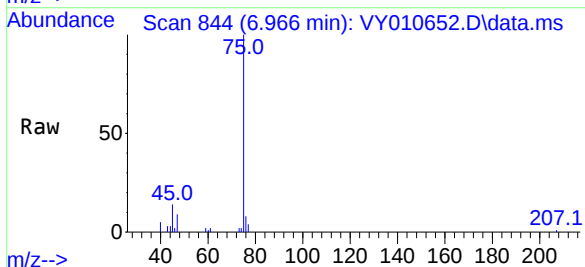
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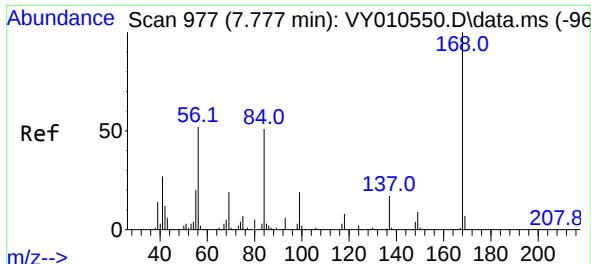
Tgt Ion: 77 Resp: 881

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

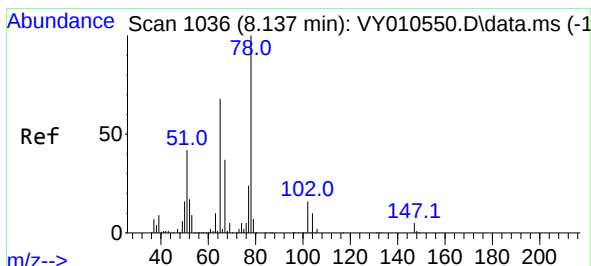
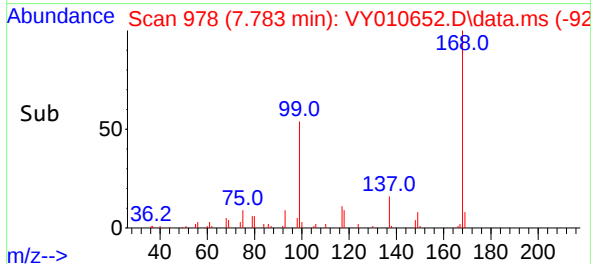
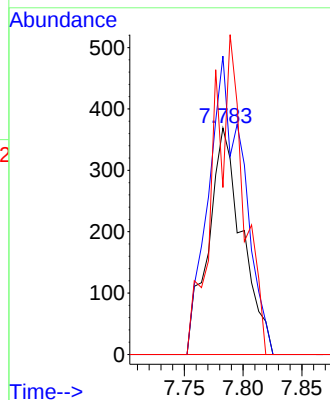
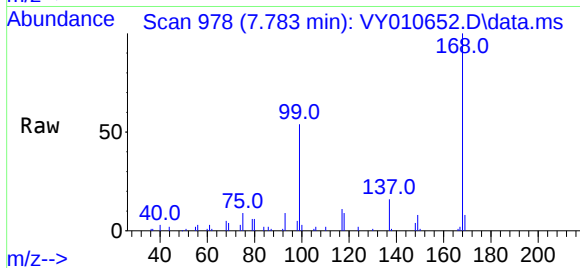




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

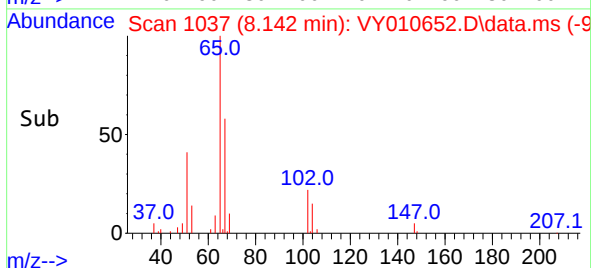
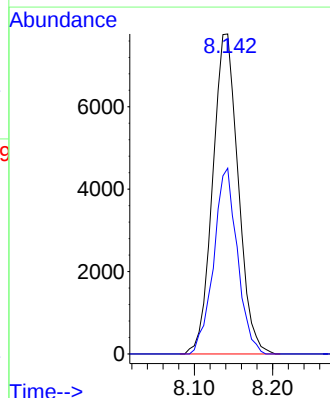
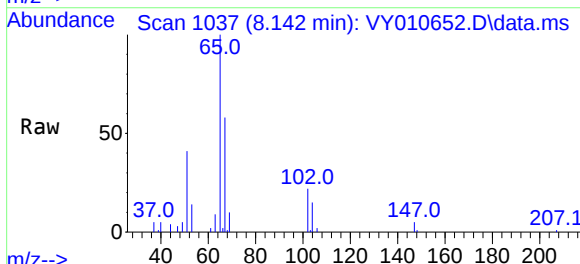
Instrument :
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ClientSampleId :
SB-10-8.5-9.0

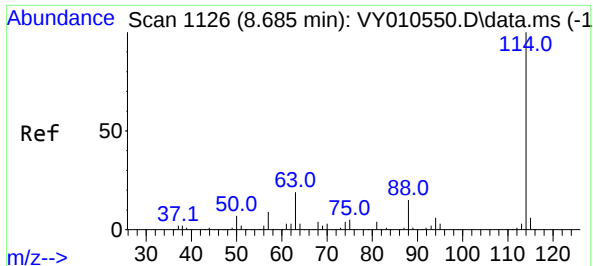
Tgt Ion: 56 Resp: 737
Ion Ratio Lower Upper
56 100
69 131.7 26.7 40.1#
84 73.7 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 59.195 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

Tgt Ion: 65 Resp: 17580
Ion Ratio Lower Upper
65 100
67 54.0 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: VY010652.D

Acq: 23 Sep 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

SB-10-8.5-9.0

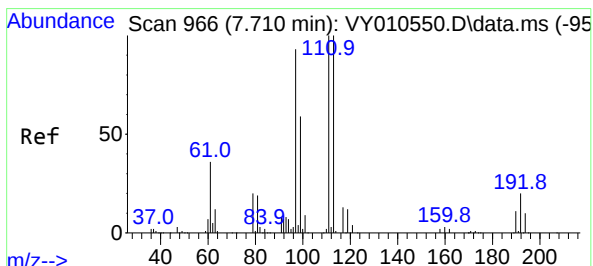
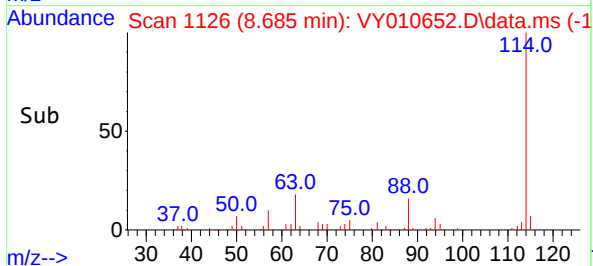
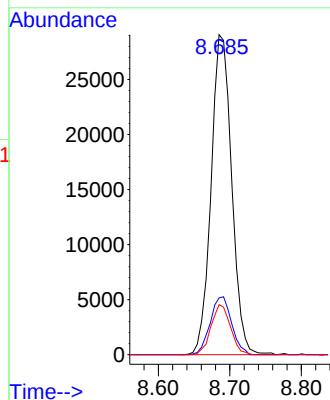
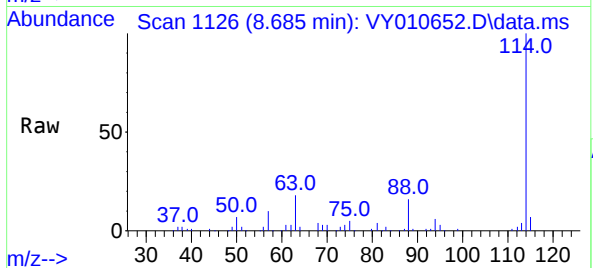
Tgt Ion:114 Resp: 58129

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.981 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010652.D

Acq: 23 Sep 2022 16:33

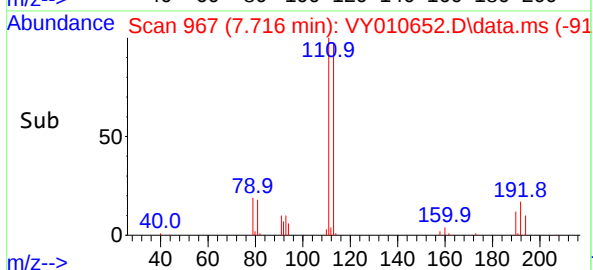
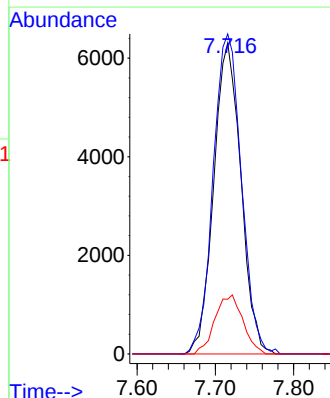
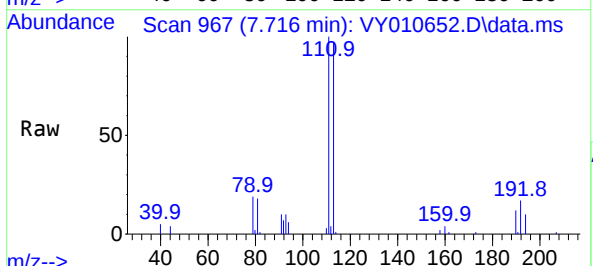
Tgt Ion:113 Resp: 15203

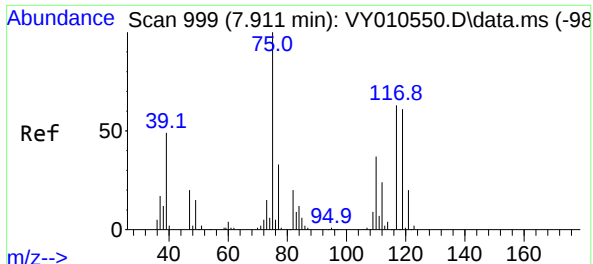
Ion Ratio Lower Upper

113 100

111 106.6 82.6 124.0

192 19.5 17.6 26.4

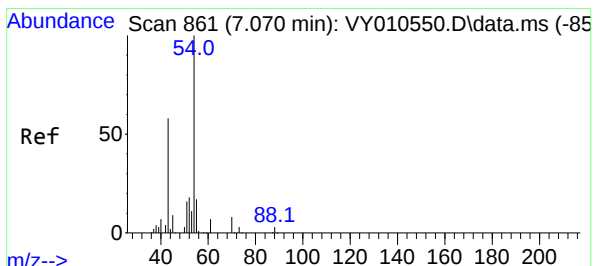
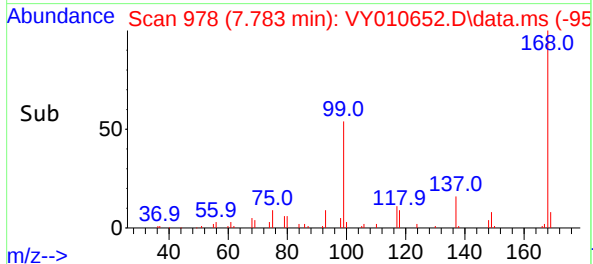
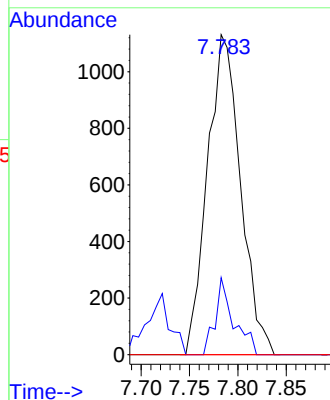
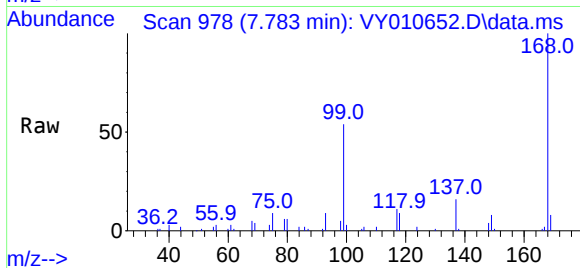




#36
1,1-Dichloropropene
Concen: 6.510 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

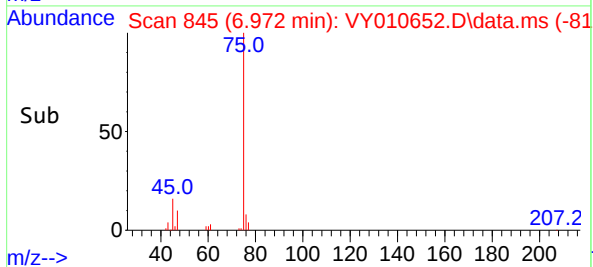
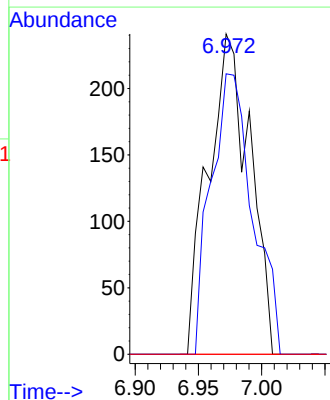
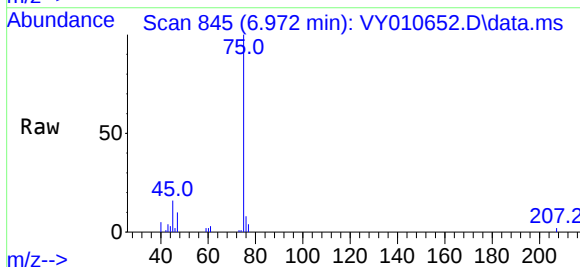
Instrument :
MSVOA_Y
ClientSampleId :
SB-10-8.5-9.0

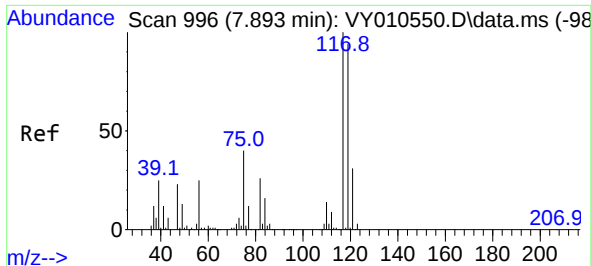
Tgt Ion: 75 Resp: 2691
Ion Ratio Lower Upper
75 100
110 13.4 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.320 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

Tgt Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
61 87.4 9.7 14.5#
70 0.0 7.1 10.7#

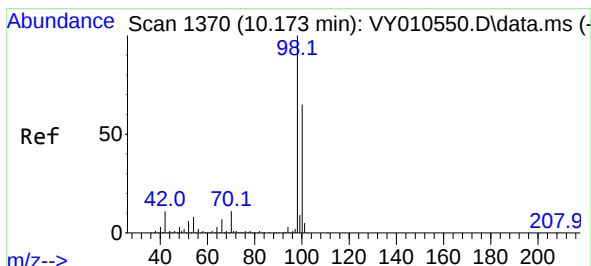
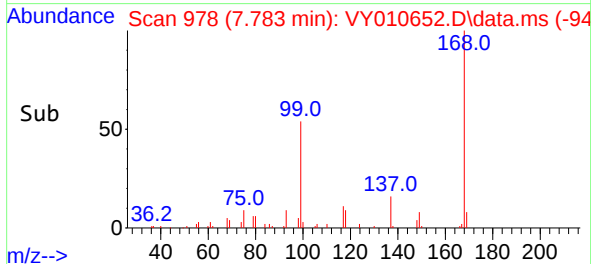
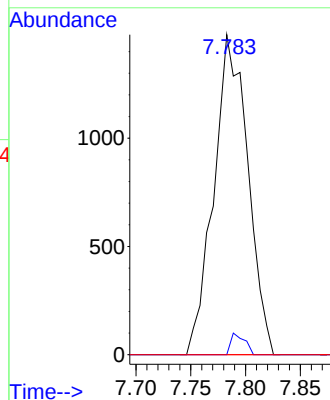
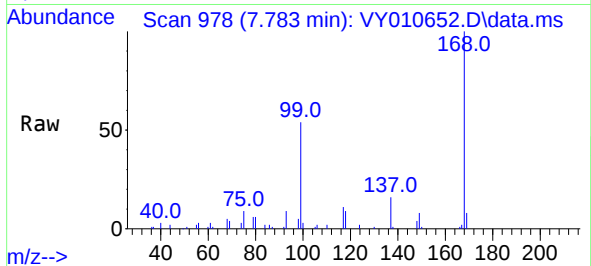




#38
Carbon Tetrachloride
Concen: 6.718 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

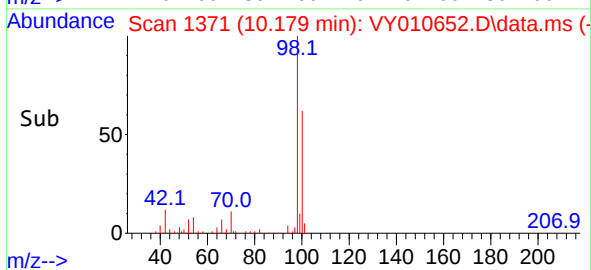
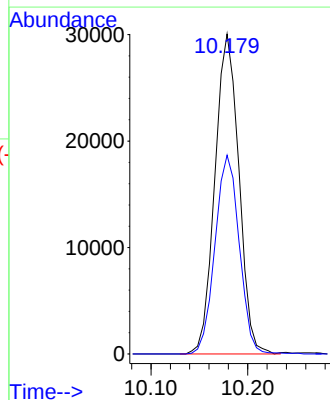
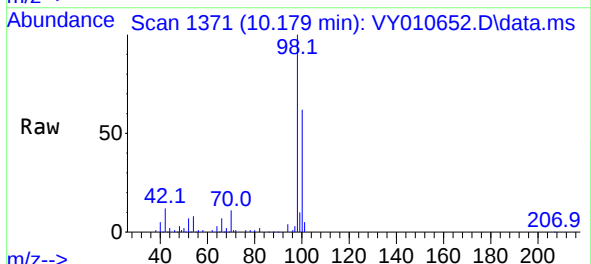
Instrument :
MSVOA_Y
ClientSampleId :
SB-10-8.5-9.0

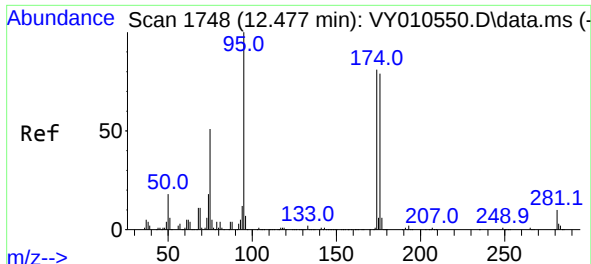
Tgt Ion:117 Resp: 3193
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.506 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

Tgt Ion: 98 Resp: 51745
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2

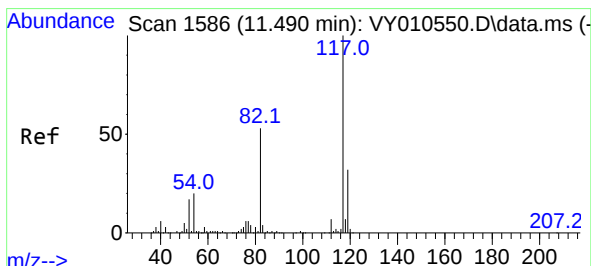
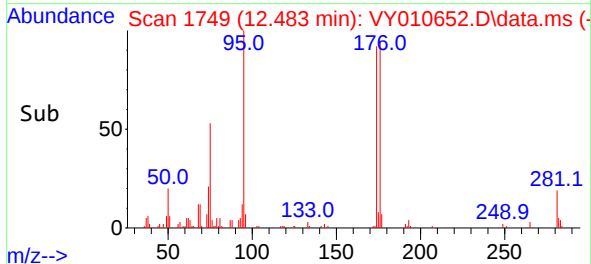
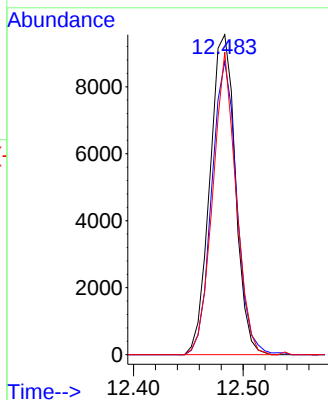
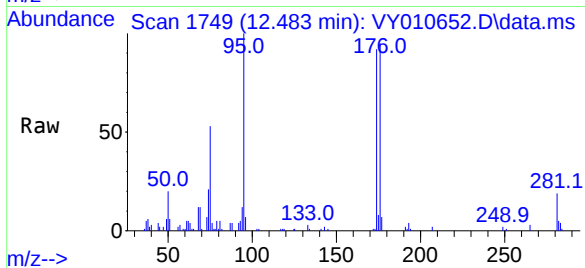




#62
4-Bromofluorobenzene
Concen: 29.250 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

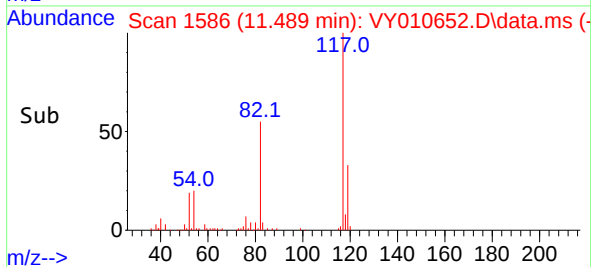
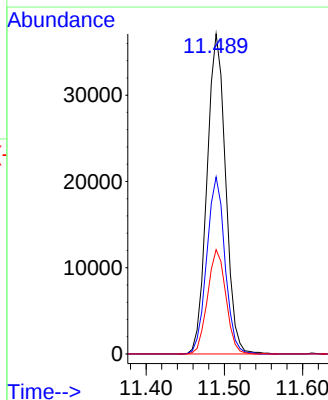
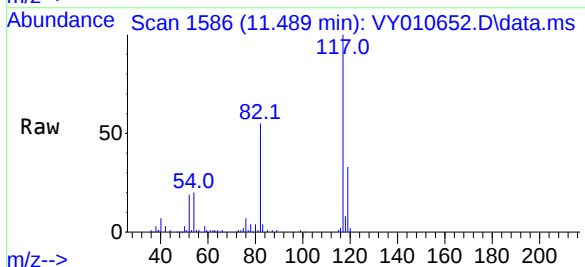
Instrument :
MSVOA_Y
ClientSampleId :
SB-10-8.5-9.0

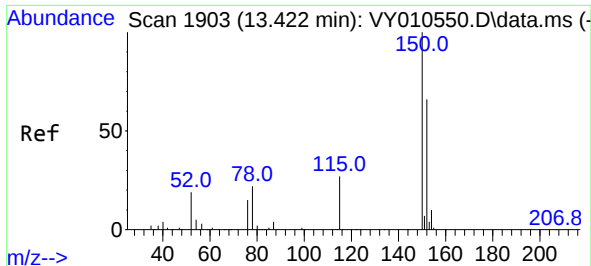
Tgt Ion:	95	Resp:	15454
Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	177.0
176	86.2	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010652.D
Acq: 23 Sep 2022 16:33

Tgt Ion:	117	Resp:	61176
Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.0	64.4
119	32.6	25.4	38.0

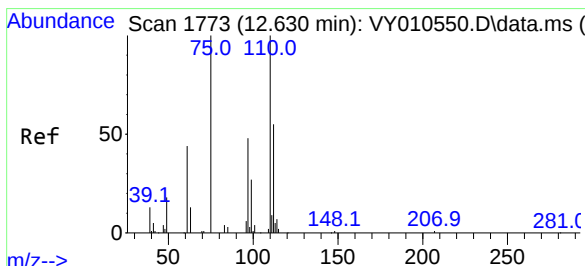
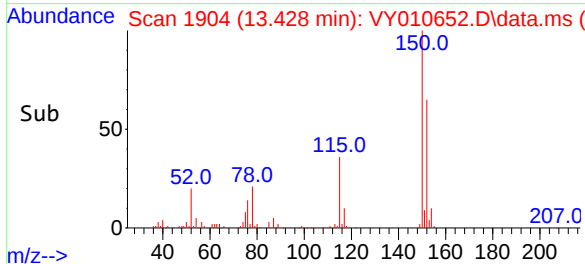
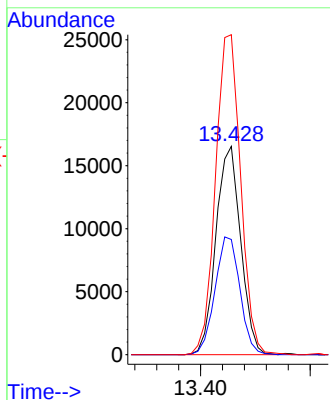
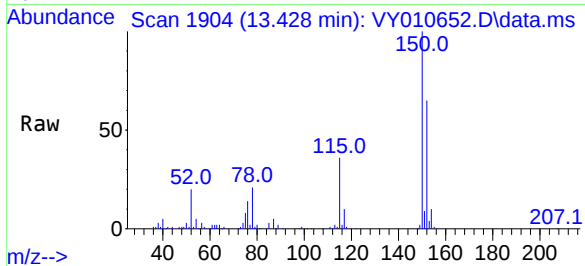




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010652.D
 Acq: 23 Sep 2022 16:33

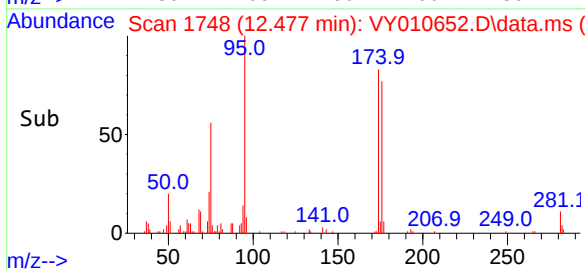
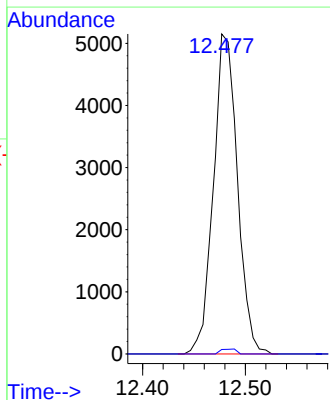
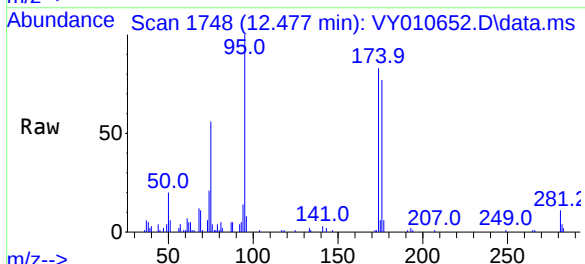
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10-8.5-9.0

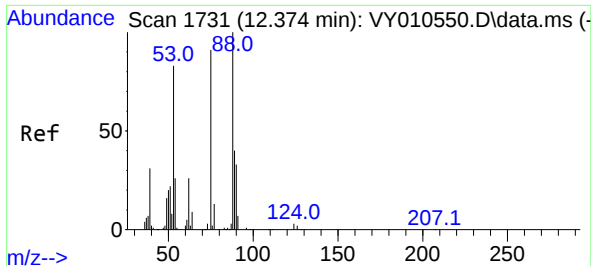
Tgt Ion:152 Resp: 25960
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 33.692 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010652.D
 Acq: 23 Sep 2022 16:33

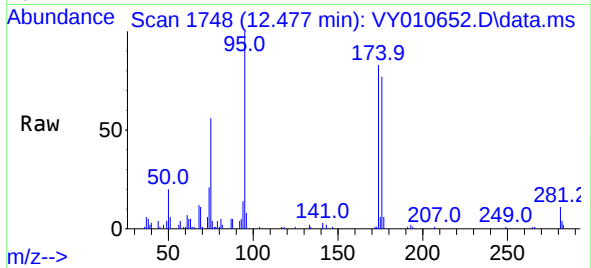
Tgt Ion: 75 Resp: 8348
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.913 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010652.D
 Acq: 23 Sep 2022 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10-8.5-9.0



Tgt Ion:	75	Resp:	8348
Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

