

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010625.D
 Acq On : 22 Sep 2022 16:16
 Operator : KP/MD
 Sample : N4723-13
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-26-8.5-9.0

Quant Time: Sep 23 09:04:06 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)

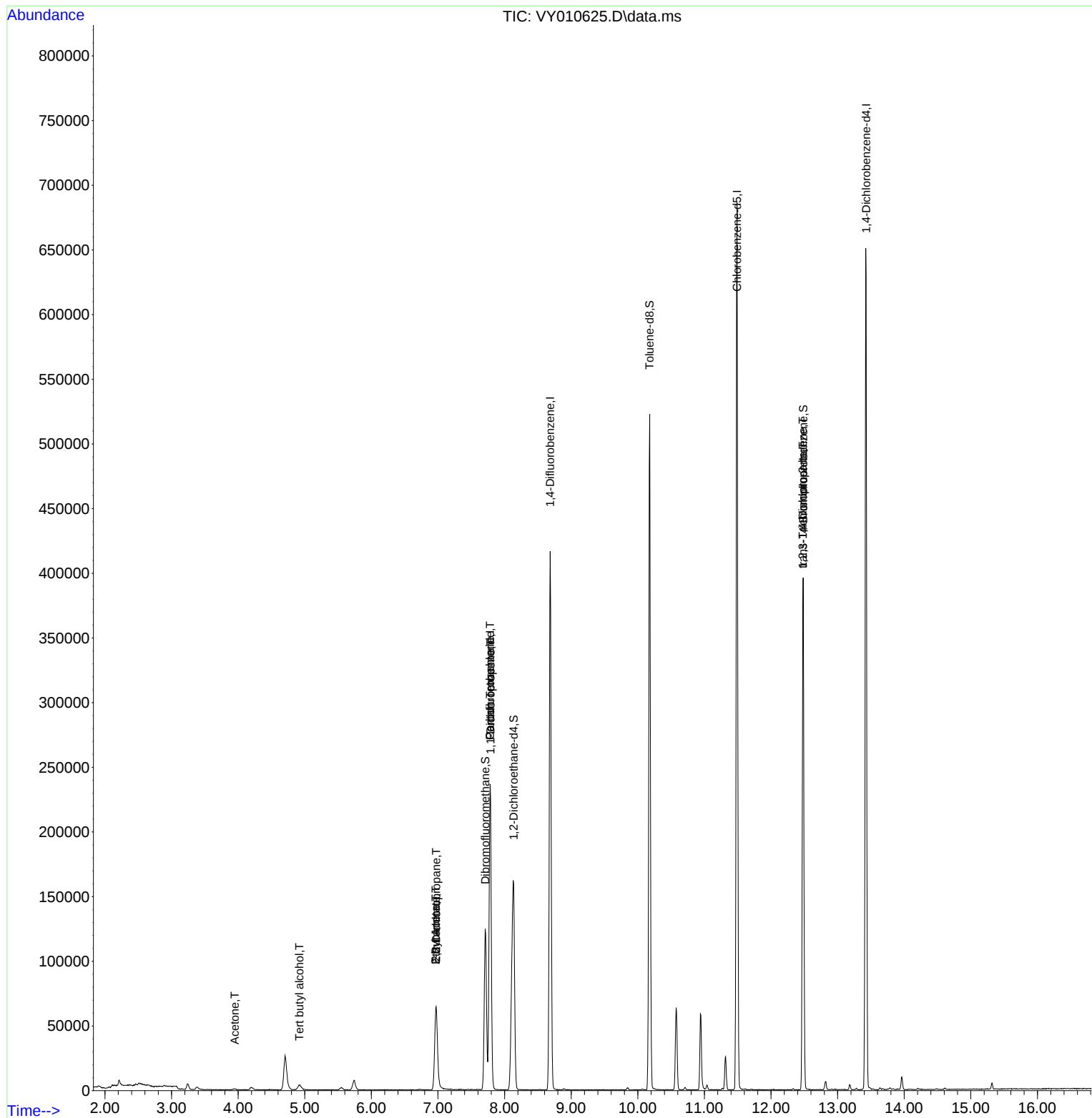
Internal Standards						
1) Pentafluorobenzene	7.783	168	185139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	364727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100131	56.545	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.100%	
35) Dibromofluoromethane	7.710	113	88228	39.149	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.300%	
50) Toluene-d8	10.179	98	333898	40.708	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.420%	
62) 4-Bromofluorobenzene	12.483	95	110248	34.848	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	977	Below Cal		94
3) Chloromethane	2.107	50	482	Below Cal		99
4) Vinyl Chloride	2.357	62	50	Below Cal	#	43
5) Bromomethane	2.637	94	100	Below Cal	#	4
11) Tert butyl alcohol	4.917	59	4332	16.930	ug/l #	77
16) Acetone	3.948	43	1519	4.206	ug/l #	65
18) Methyl Acetate	4.466	43	543	Below Cal	#	56
20) Methylene Chloride	4.704	84	19505	Below Cal	#	85
25) 2-Butanone	6.966	43	3333	5.901	ug/l #	78
26) 2,2-Dichloropropane	6.972	77	5063	1.886	ug/l #	55
31) Cyclohexane	7.783	56	3758	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14867	5.921	ug/l #	50
37) Ethyl Acetate	6.966	43	3333	2.298	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18690	6.473	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	58837	36.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58837	80.765	ug/l #	7

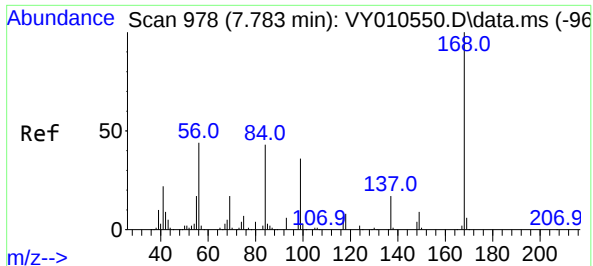
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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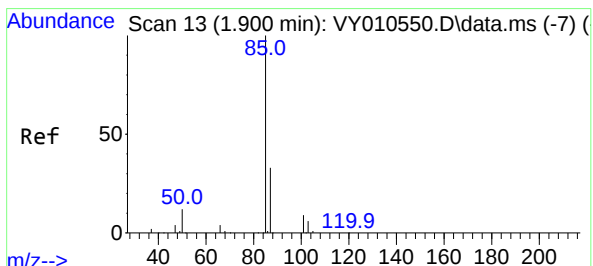
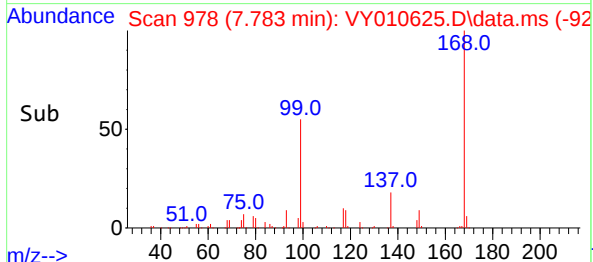
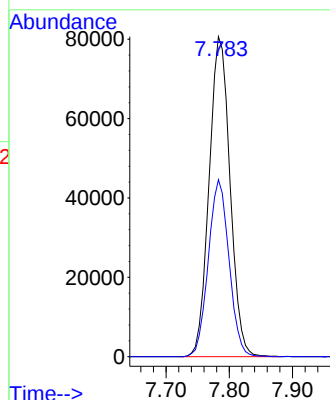
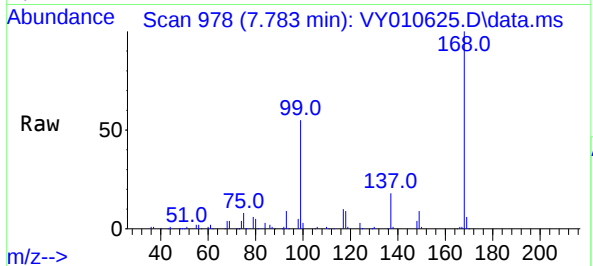




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

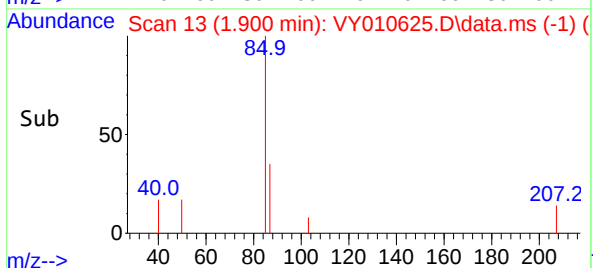
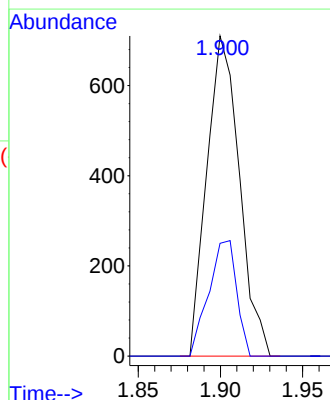
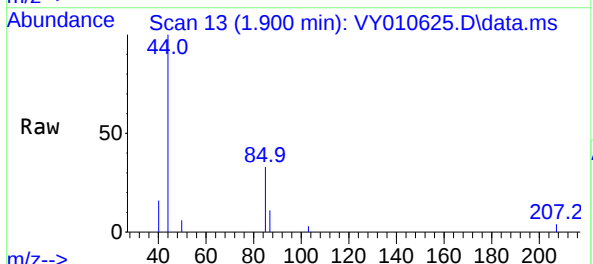
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

Tgt Ion:168 Resp: 185139
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 85 Resp: 977
Ion Ratio Lower Upper
85 100
87 35.2 16.1 48.2

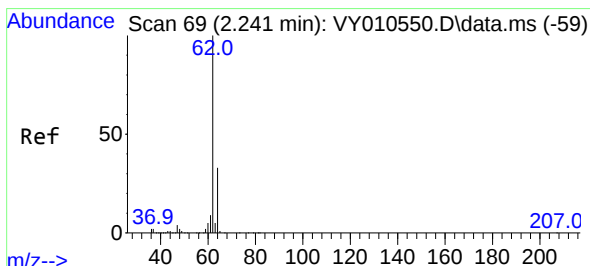
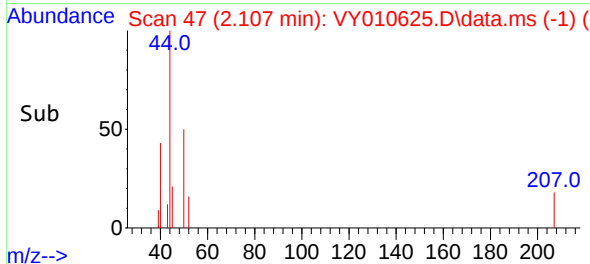
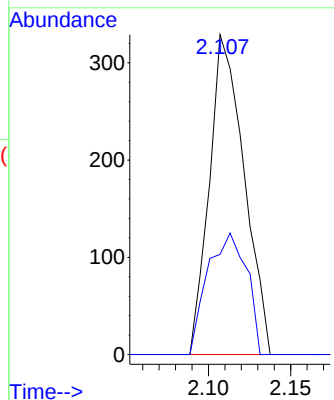
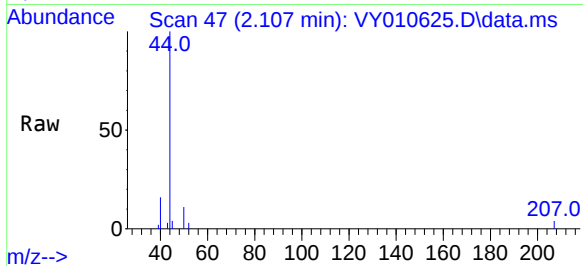




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

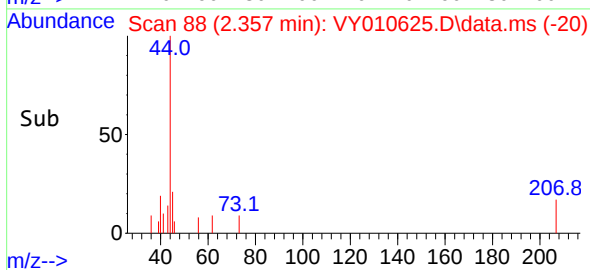
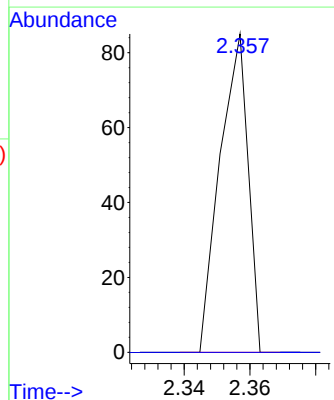
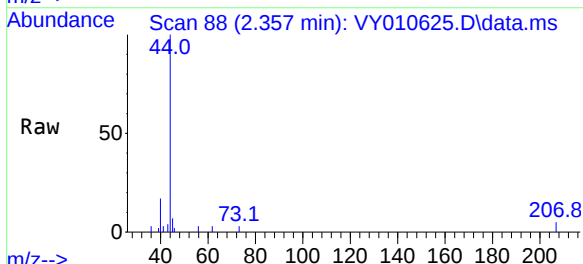
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

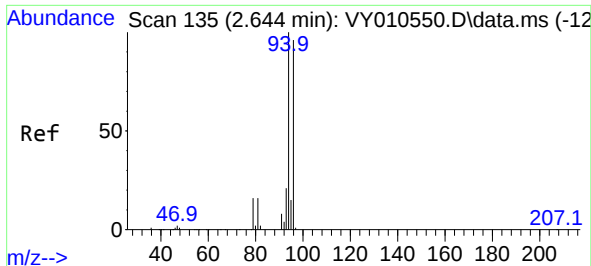
Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 31.3 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.357 min Scan# 88
Delta R.T. 0.116 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 62 Resp: 50
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

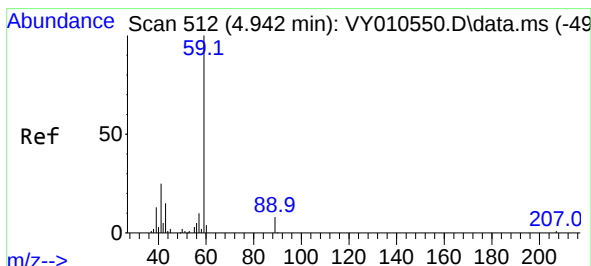
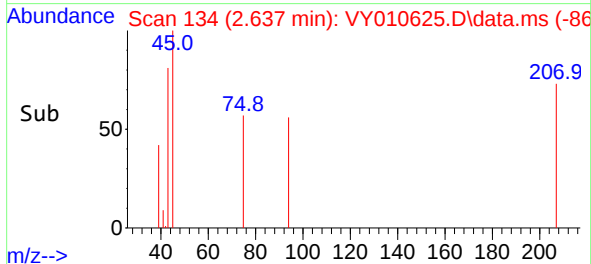
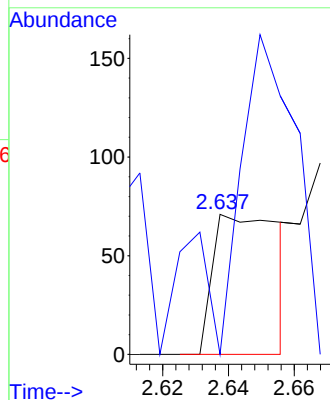
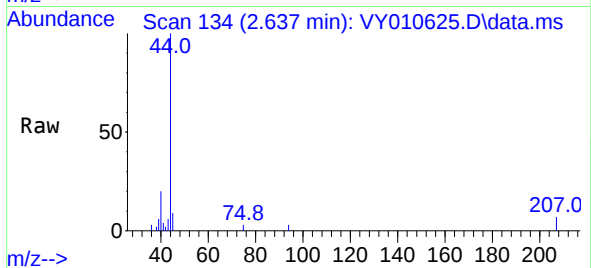




#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

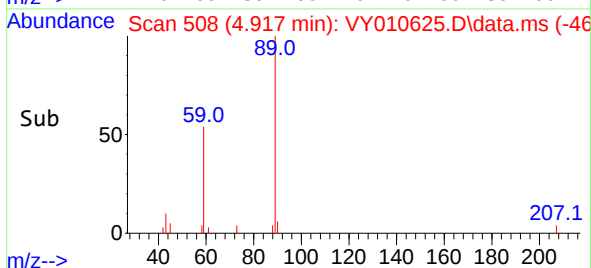
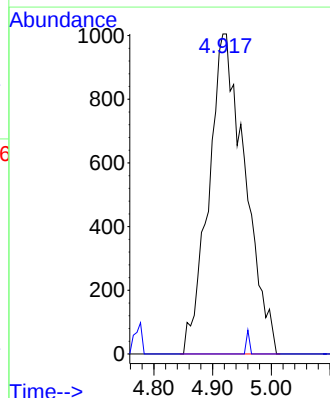
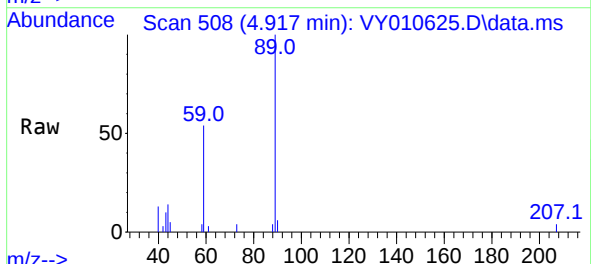
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

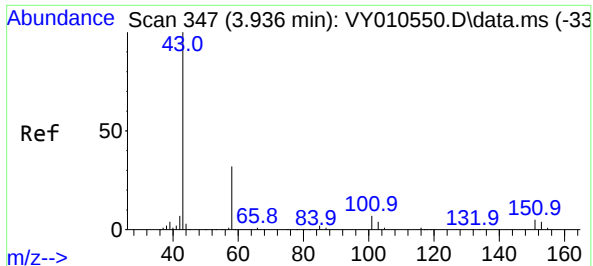
Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 16.930 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.025 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 59 Resp: 4332
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

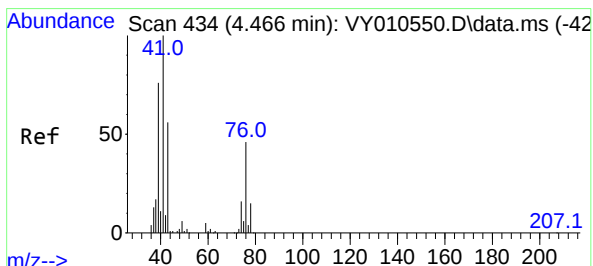
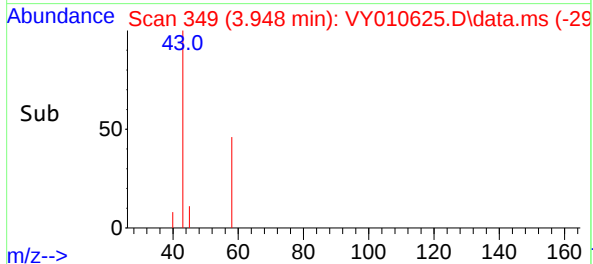
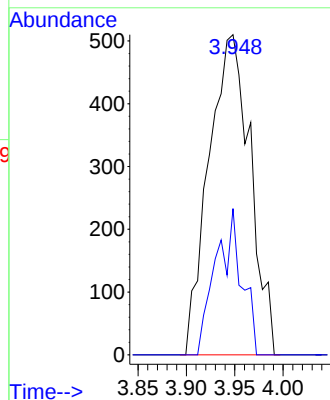
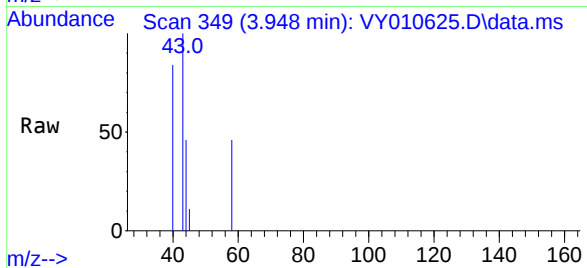




#16
Acetone
Concen: 4.206 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

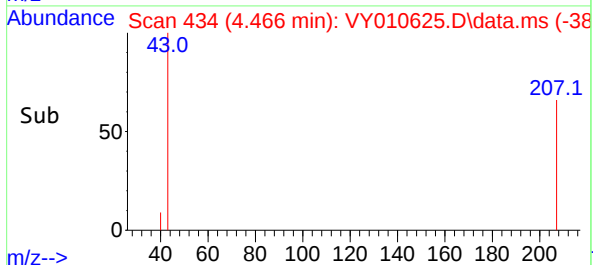
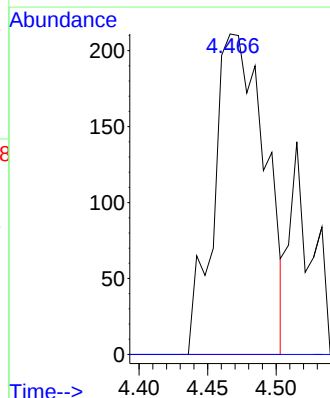
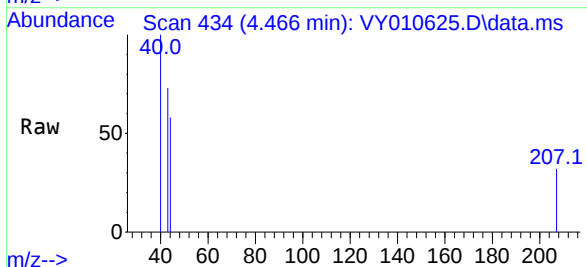
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

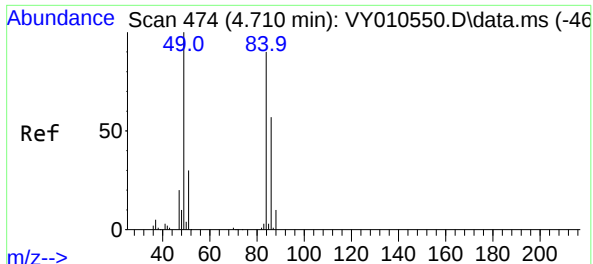
Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
58 45.7 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



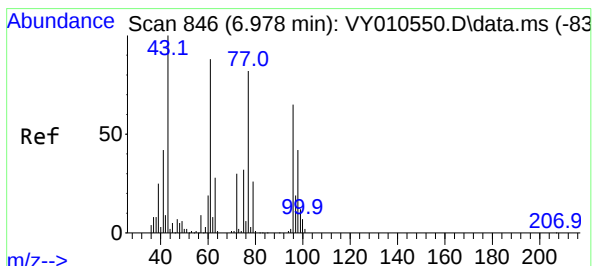
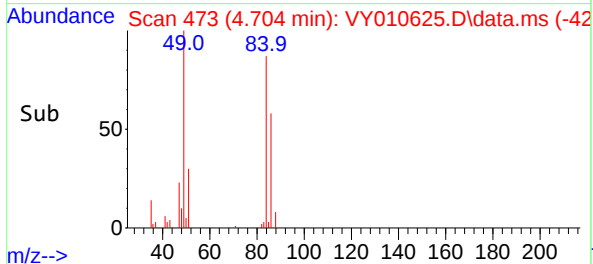
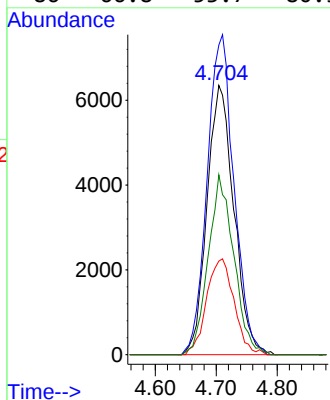
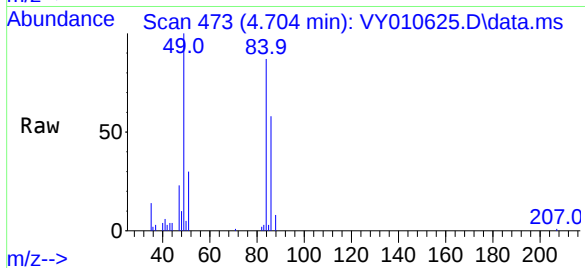


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

Tgt Ion: 84 Resp: 19505

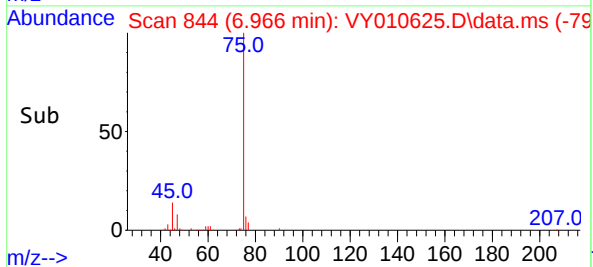
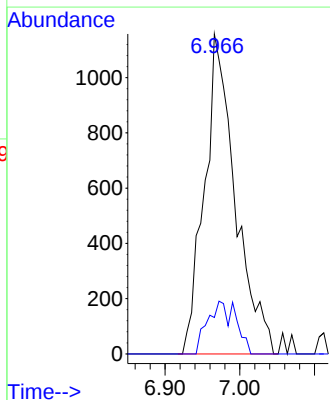
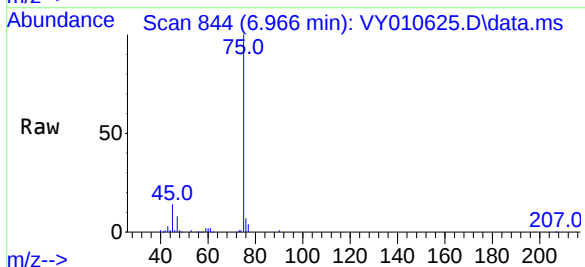
Ion	Ratio	Lower	Upper
84	100		
49	115.0	114.4	171.6
51	34.8	35.3	52.9#
86	66.8	53.7	80.5

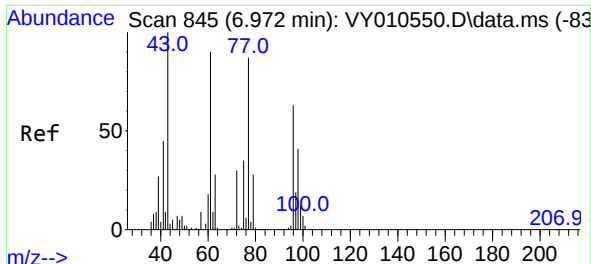


#25
2-Butanone
Concen: 5.901 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 43 Resp: 3333

Ion	Ratio	Lower	Upper
43	100		
72	11.4	17.7	26.5#

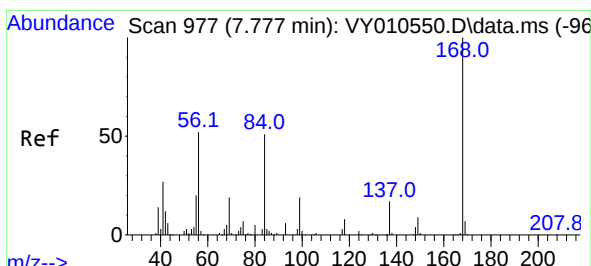
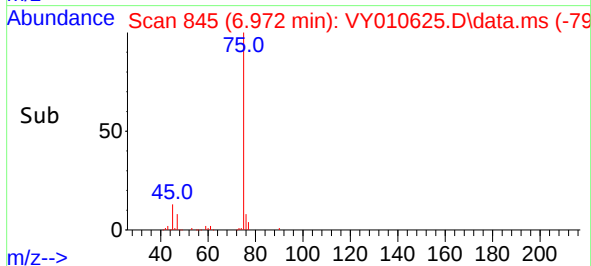
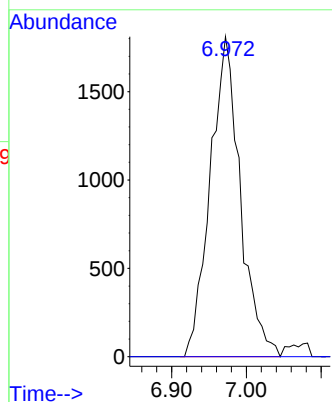
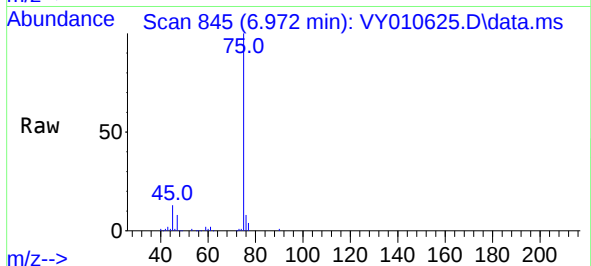




#26
2,2-Dichloropropane
Concen: 1.886 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

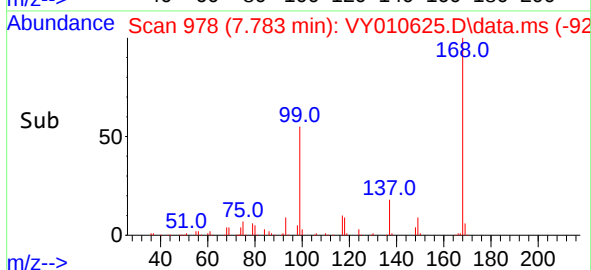
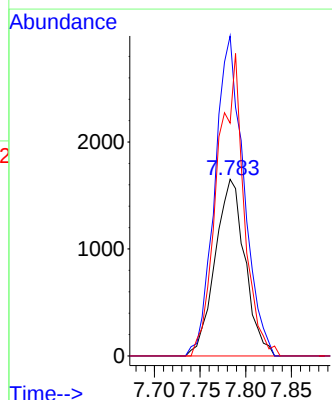
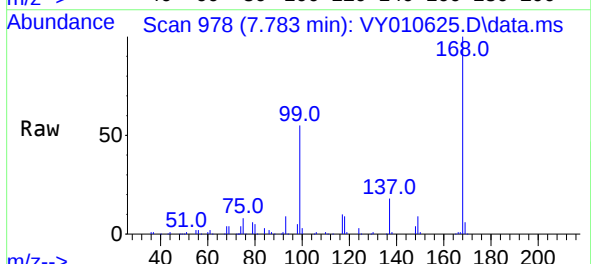
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

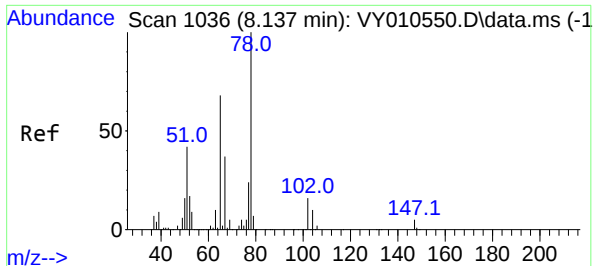
Tgt Ion: 77 Resp: 5063
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 56 Resp: 3758
Ion Ratio Lower Upper
56 100
69 181.2 26.7 40.1#
84 131.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.545 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010625.D

Acq: 22 Sep 2022 16:16

Instrument :

MSVOA_Y

ClientSampleId :

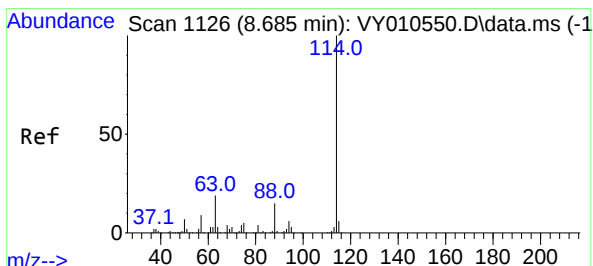
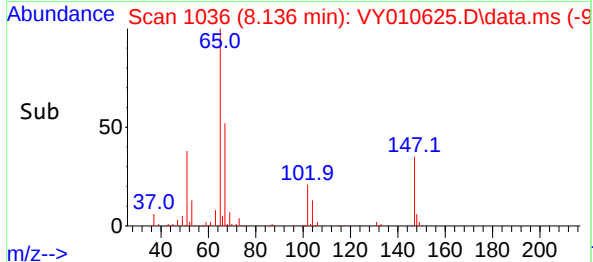
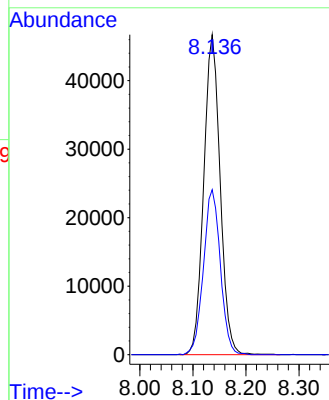
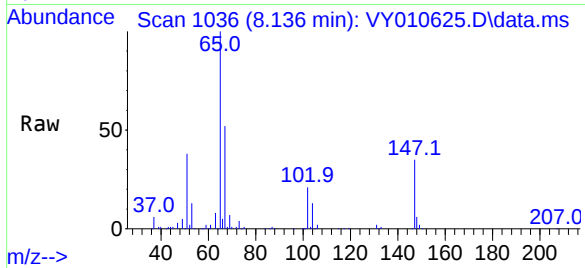
SB-26-8.5-9.0

Tgt Ion: 65 Resp: 100131

Ion Ratio Lower Upper

65 100

67 53.2 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: VY010625.D

Acq: 22 Sep 2022 16:16

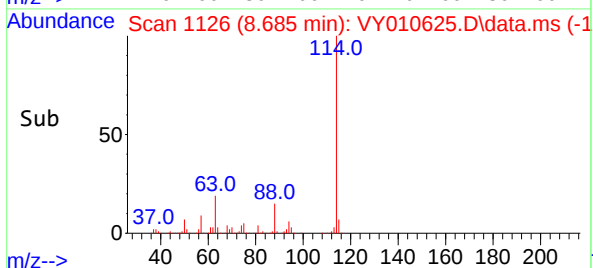
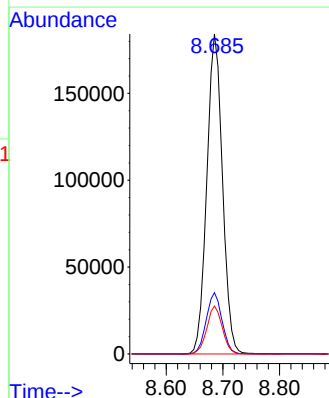
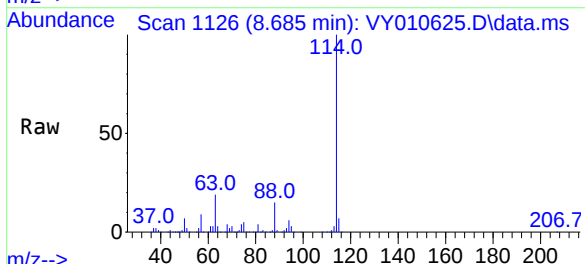
Tgt Ion:114 Resp: 353122

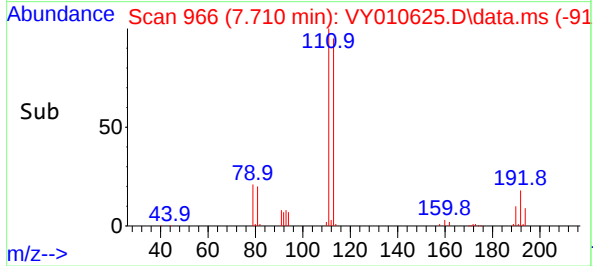
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

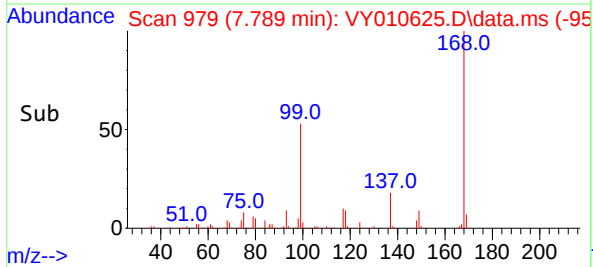
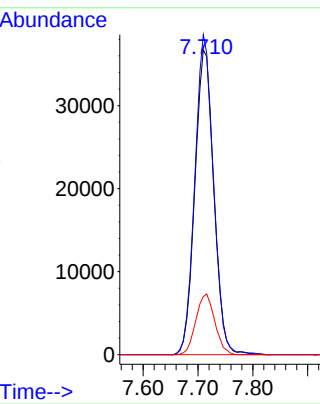
88 15.0 0.0 31.8





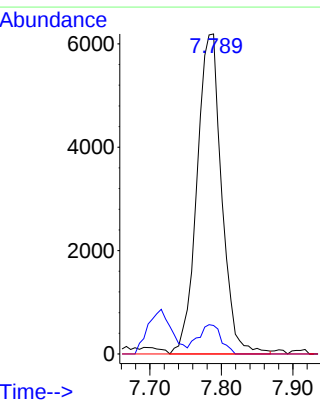
#35
Dibromofluoromethane
Concen: 39.149 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

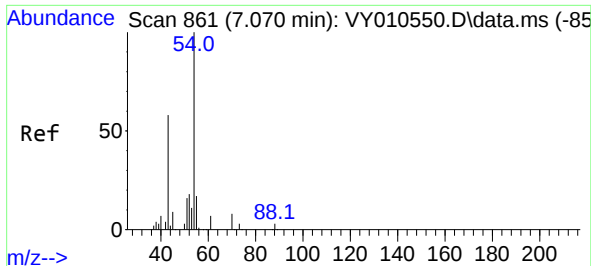
Tgt	Ion:113	Resp:	88228
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	19.8	17.6	26.4



```
#36
1,1-Dichloropropene
Concen: 5.921 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16
```

Tgt Ion: 75	Resp: 14867
Ion Ratio Lower	Upper
75 100	
110 8.5	17.1 51.2#
77 0.0	24.4 36.6#





#37

Ethyl Acetate

Concen: 2.298 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY010625.D

Acq: 22 Sep 2022 16:16

Instrument :

MSVOA_Y

ClientSampleId :

SB-26-8.5-9.0

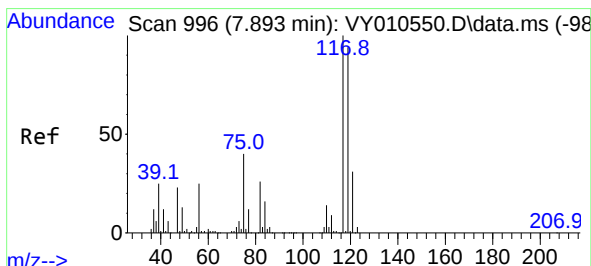
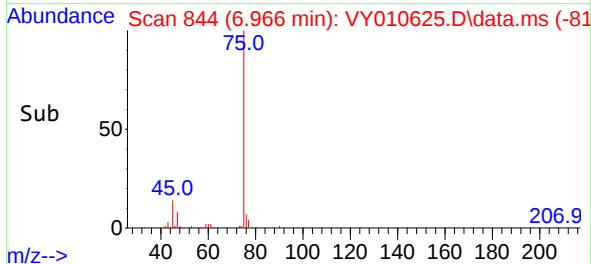
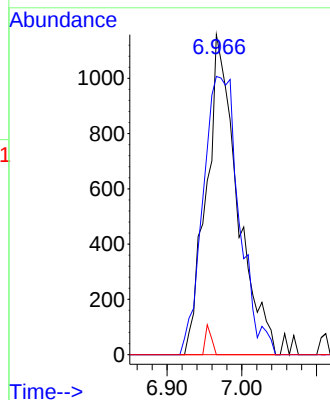
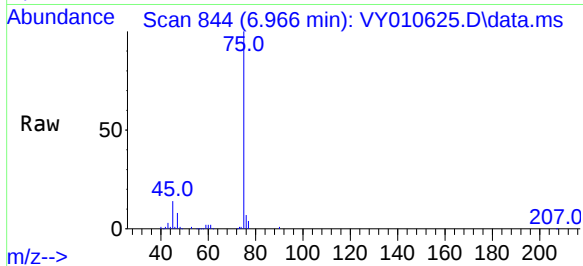
Tgt Ion: 43 Resp: 3333

Ion Ratio Lower Upper

43 100

61 101.8 9.7 14.5#

70 1.8 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010625.D

Acq: 22 Sep 2022 16:16

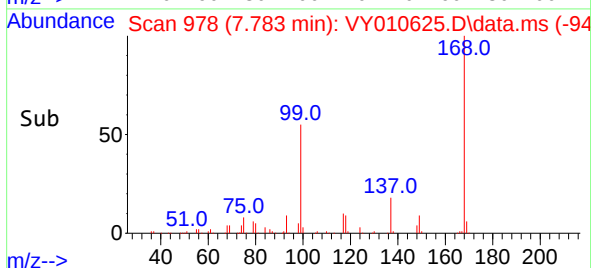
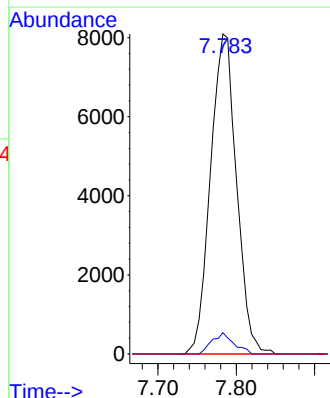
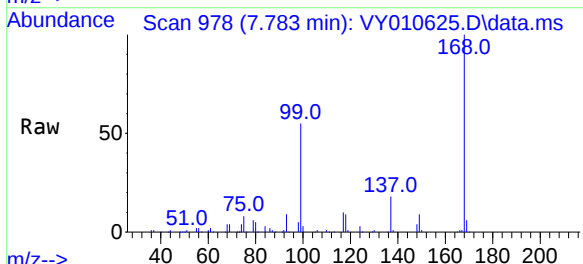
Tgt Ion: 117 Resp: 18690

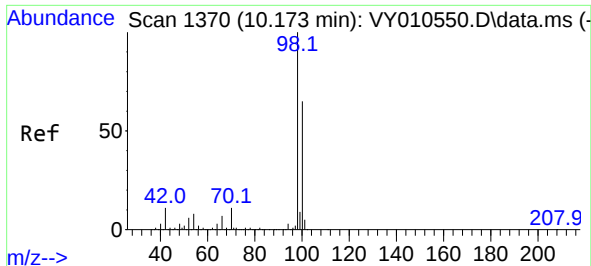
Ion Ratio Lower Upper

117 100

119 6.6 77.9 116.9#

121 0.0 24.8 37.2#

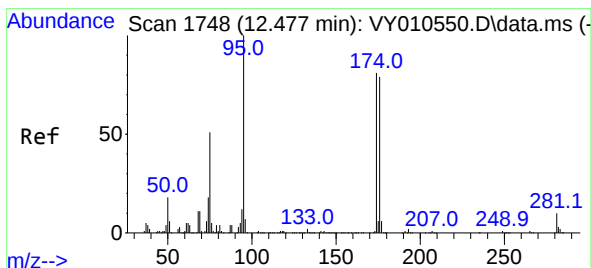
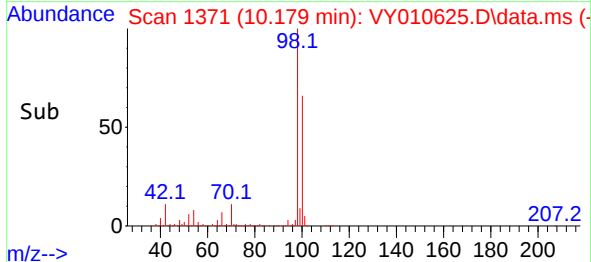
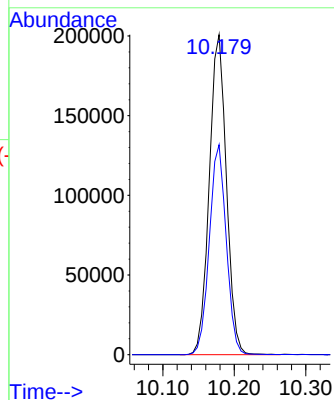
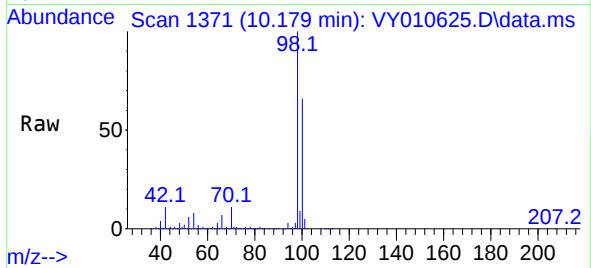




#50
Toluene-d8
Concen: 40.708 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

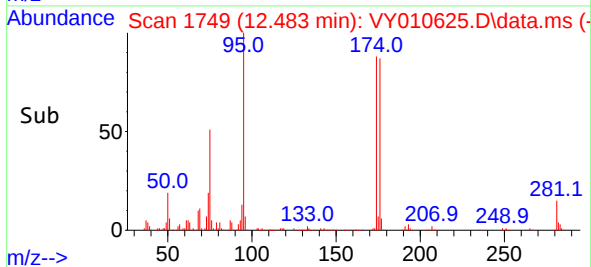
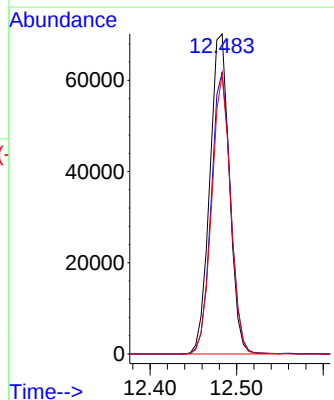
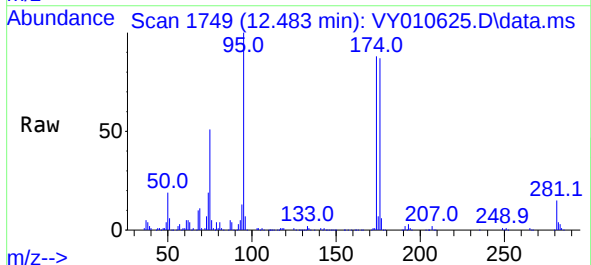
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

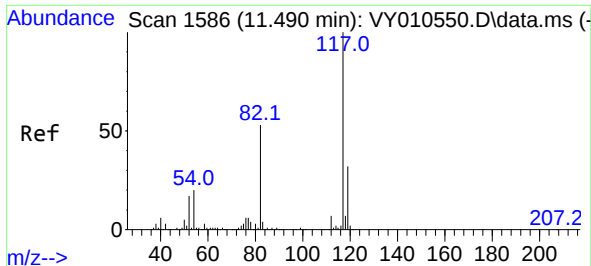
Tgt Ion: 98 Resp: 333898
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.848 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 95 Resp: 110248
Ion Ratio Lower Upper
95 100
174 87.4 0.0 177.0
176 84.4 0.0 175.8

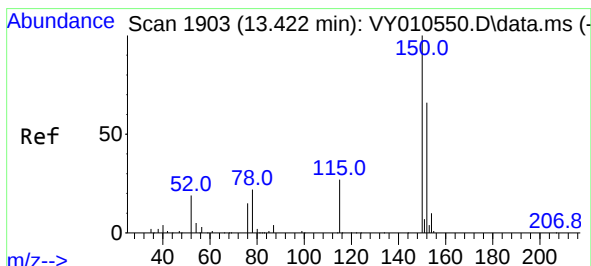
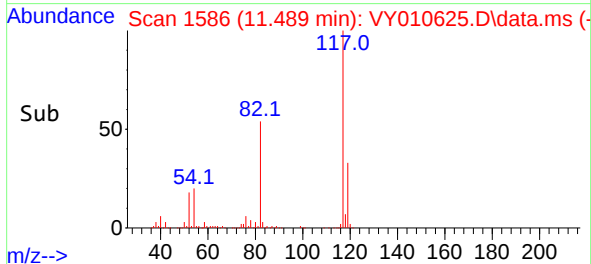
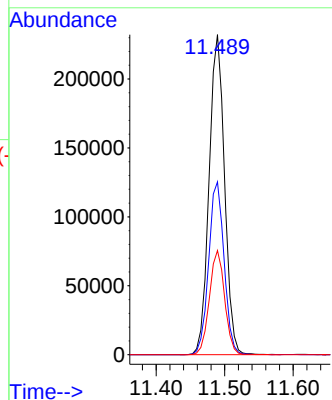
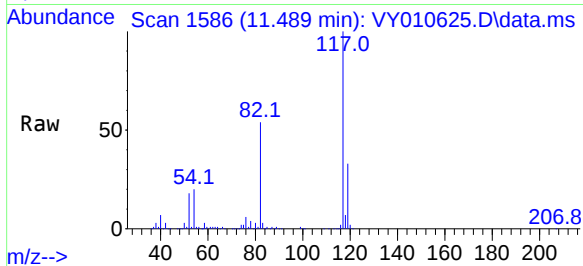




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

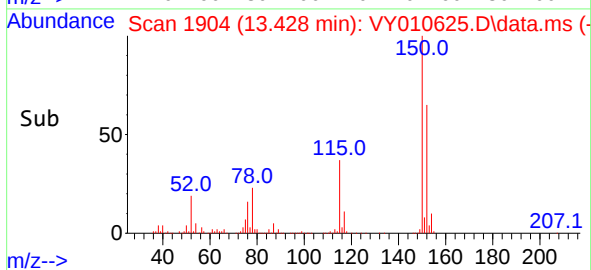
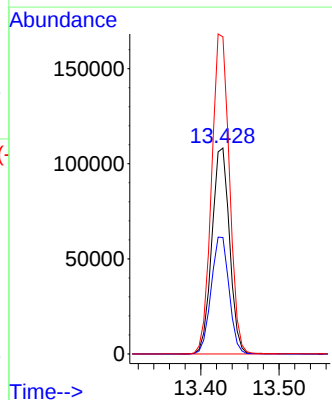
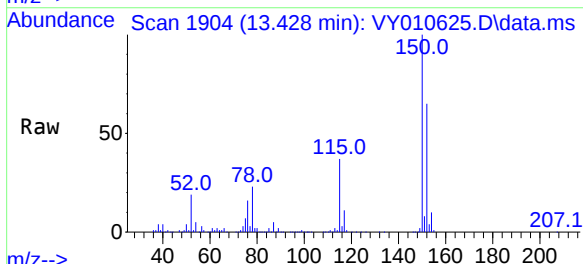
Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

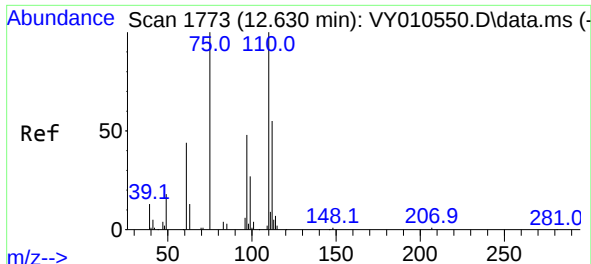
Tgt Ion:117 Resp: 364727
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion:152 Resp: 169709
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 156.5 0.0 347.6

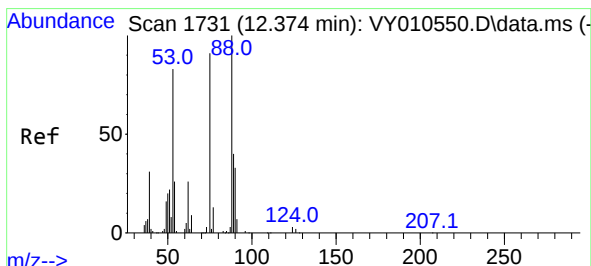
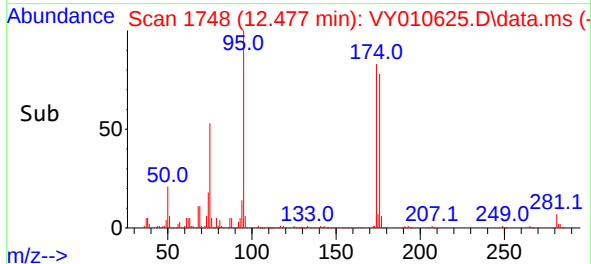
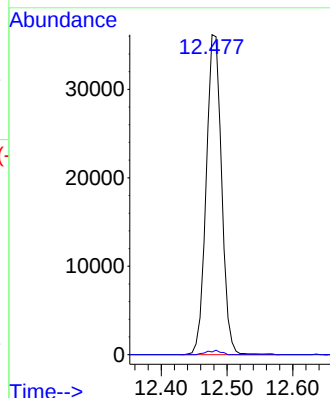
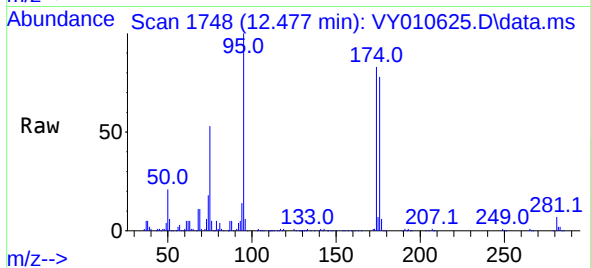




#76
1,2,3-Trichloropropane
Concen: 36.325 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :
SB-26-8.5-9.0

Tgt Ion: 75 Resp: 58837
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.765 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010625.D
Acq: 22 Sep 2022 16:16

Tgt Ion: 75 Resp: 58837
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#

