

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010863.D
 Acq On : 07 Oct 2022 11:52
 Operator : KP/MD
 Sample : N5020-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-5-100522RE

Quant Time: Oct 08 04:45:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

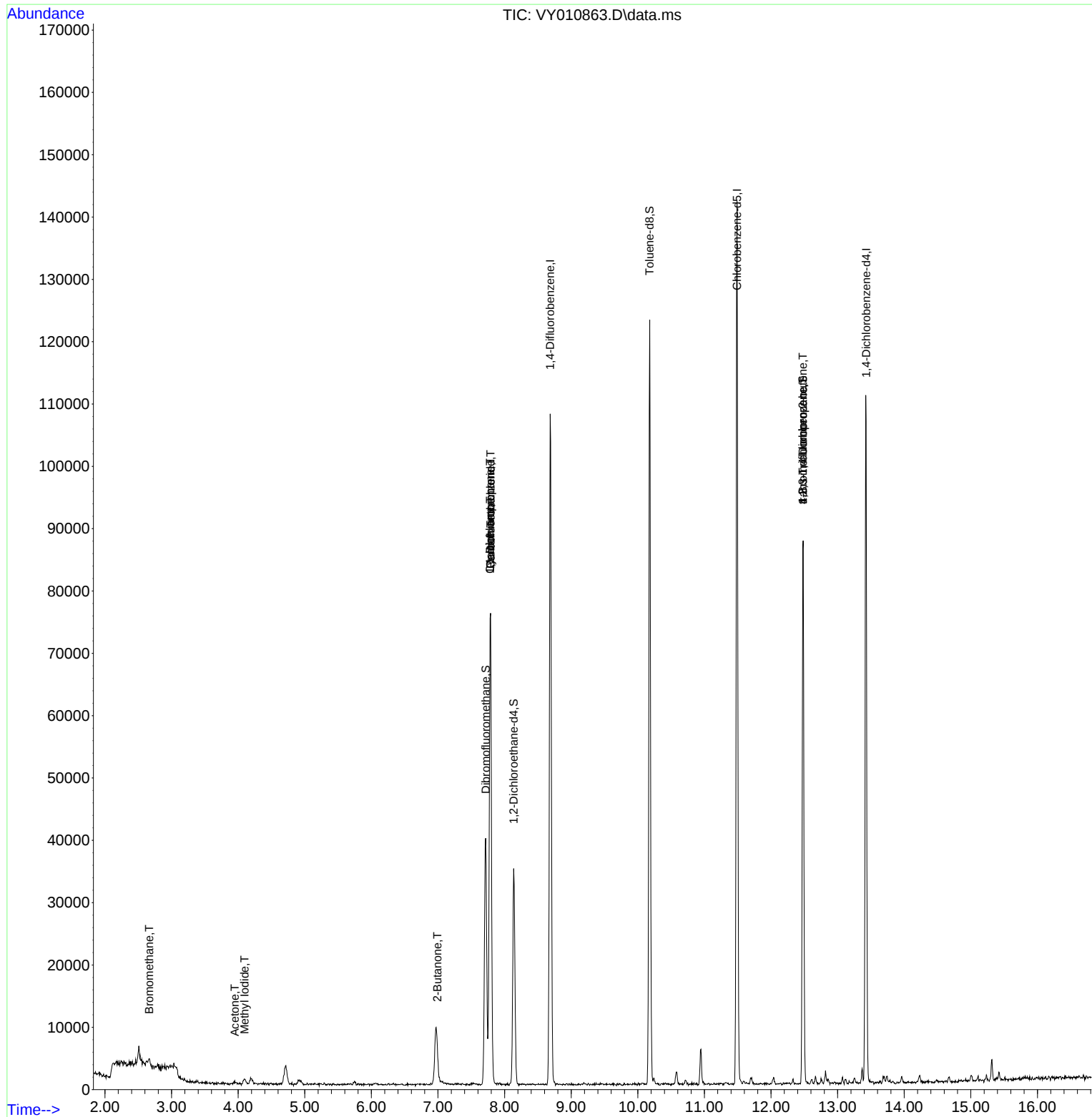
Internal Standards						
1) Pentafluorobenzene	7.789	168	59300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	92575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	78613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	29288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26338	43.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.640%		
35) Dibromofluoromethane	7.716	113	28565	46.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.960%		
50) Toluene-d8	10.179	98	80411	38.262	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	76.520%		
62) 4-Bromofluorobenzene	12.477	95	27708	32.456	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	64.920%		
Target Compounds						Qvalue
5) Bromomethane	2.662	94	698	1.196	ug/l	82
10) Methyl Iodide	4.094	142	1397	1.819	ug/l #	82
11) Tert butyl alcohol	4.917	59	554	Below Cal	#	77
16) Acetone	3.948	43	657	4.304	ug/l #	47
20) Methylene Chloride	4.716	84	2420	Below Cal	#	87
25) 2-Butanone	6.990	43	769	3.504	ug/l #	54
31) Cyclohexane	7.783	56	1375	1.278	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	4885	5.507	ug/l #	50
38) Carbon Tetrachloride	7.789	117	5866	6.349	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	13697	46.181	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	13697	96.467	ug/l #	7

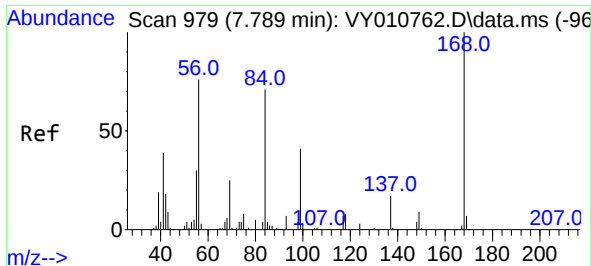
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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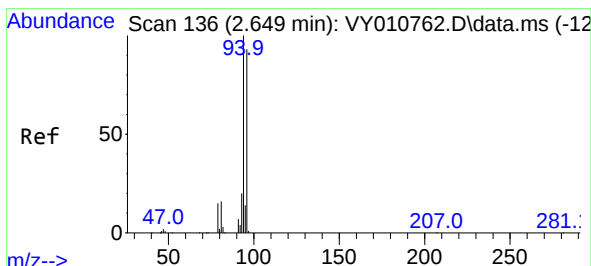
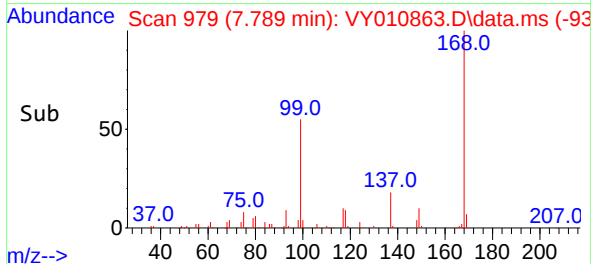
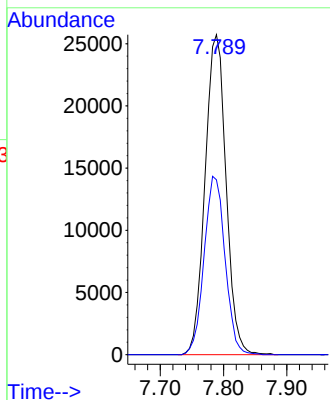
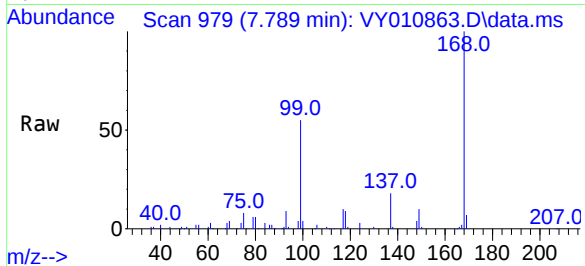




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

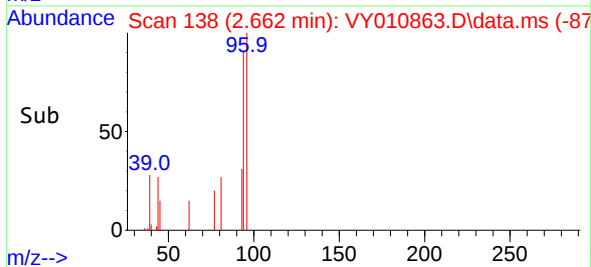
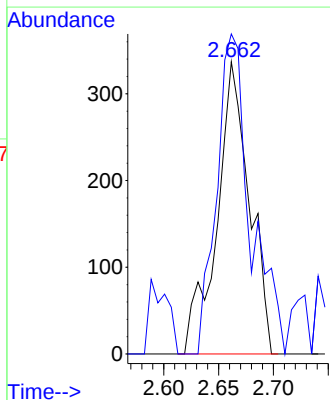
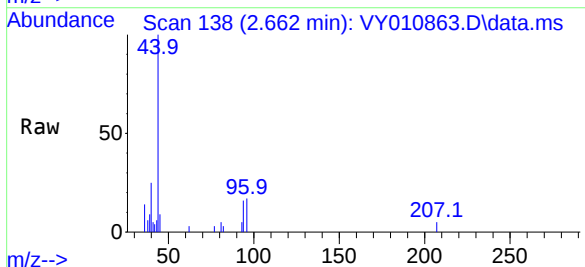
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-100522RE

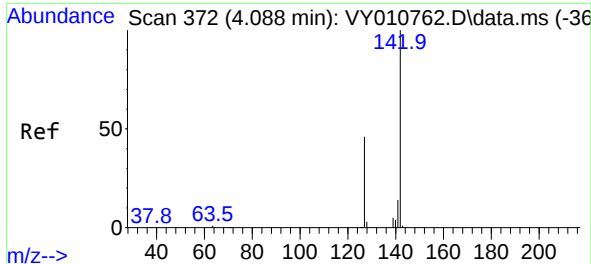
Tgt Ion:168 Resp: 59300
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#5
Bromomethane
Concen: 1.196 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.013 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 109.5 73.5 110.3





#10

Methyl Iodide

Concen: 1.819 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY010863.D

Acq: 07 Oct 2022 11:52

Instrument :

MSVOA_Y

ClientSampleId :

TR-5-100522RE

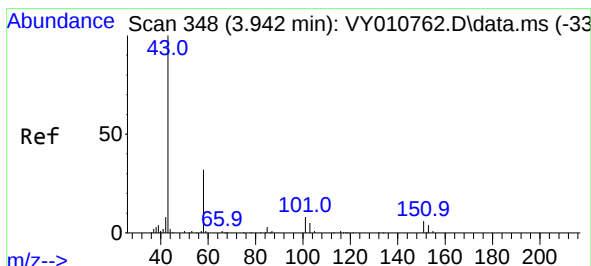
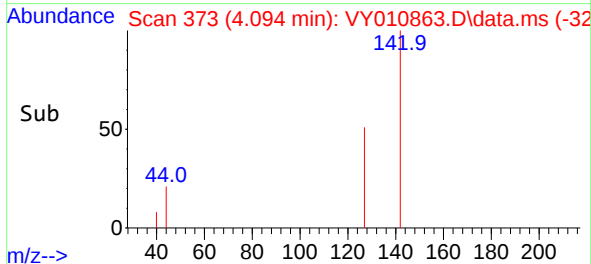
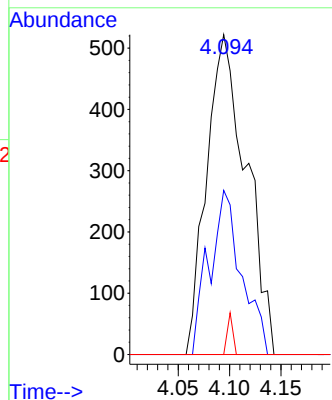
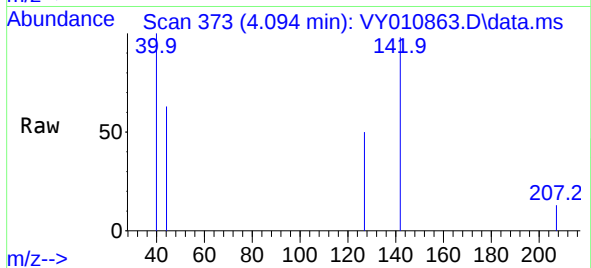
Tgt Ion:142 Resp: 1397

Ion Ratio Lower Upper

142 100

127 41.7 41.5 62.3

141 1.8 11.9 17.9#



#16

Acetone

Concen: 4.304 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY010863.D

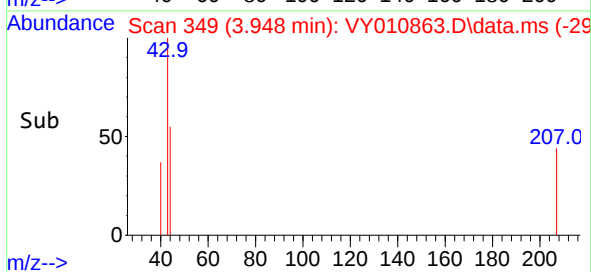
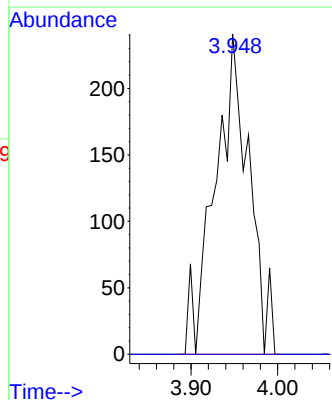
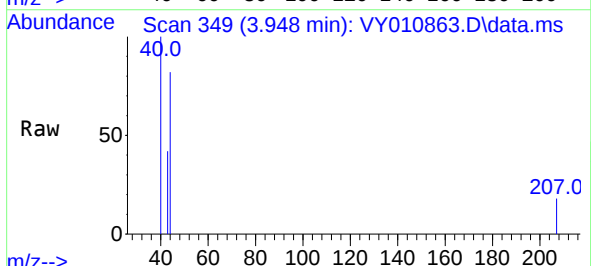
Acq: 07 Oct 2022 11:52

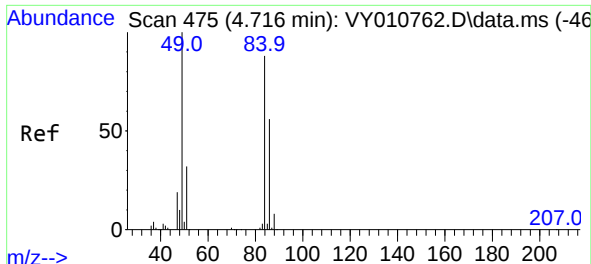
Tgt Ion: 43 Resp: 657

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



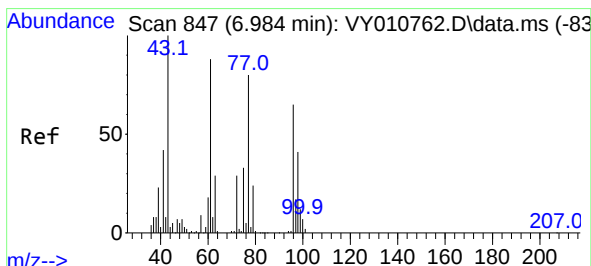
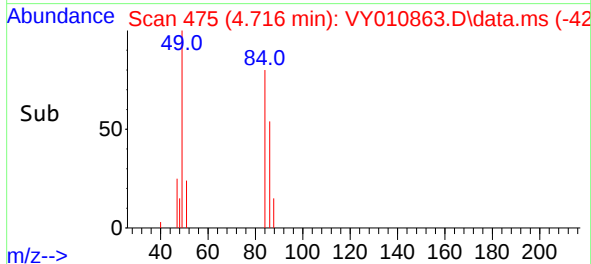
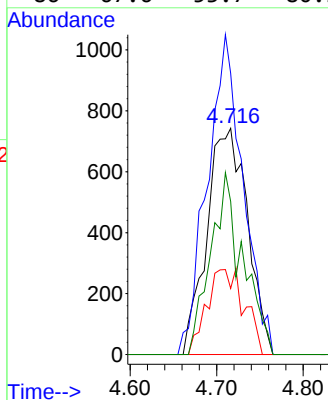
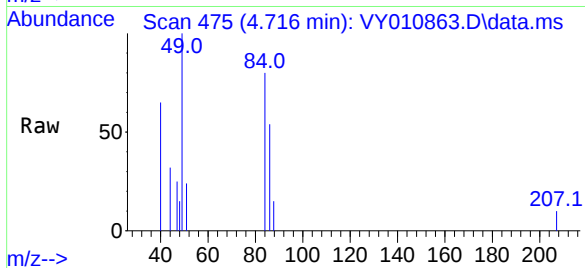


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Instrument :
MSVOA_Y
ClientSampleId :
TR-5-100522RE

Tgt Ion: 84 Resp: 2420

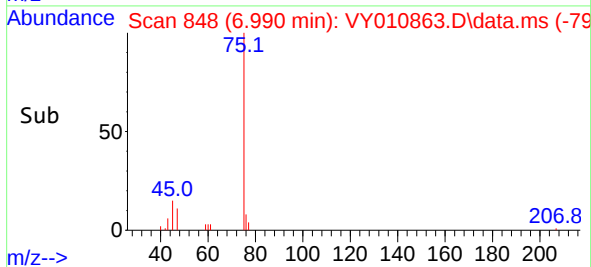
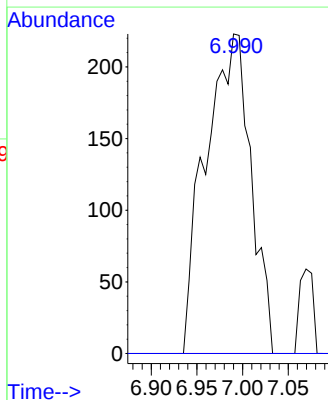
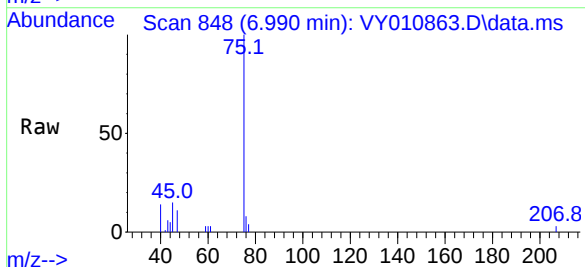
Ion	Ratio	Lower	Upper
84	100		
49	124.2	114.4	171.6
51	29.2	35.3	52.9#
86	67.6	53.7	80.5

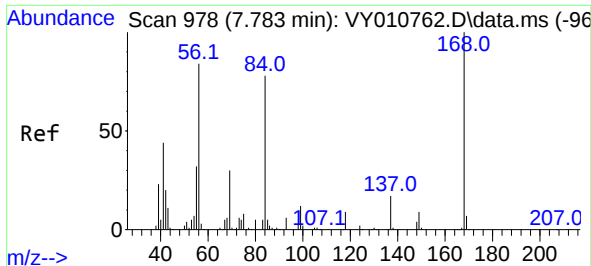


#25
2-Butanone
Concen: 3.504 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Tgt Ion: 43 Resp: 769

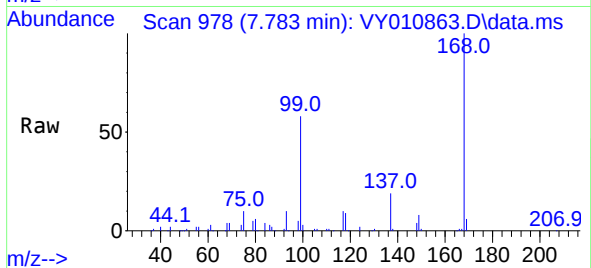
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



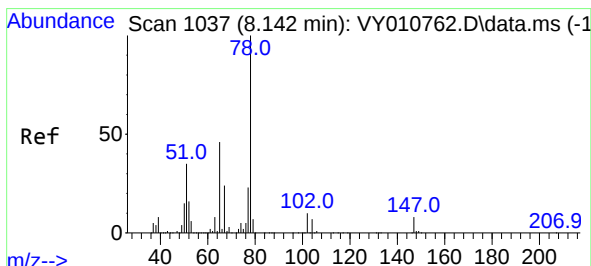
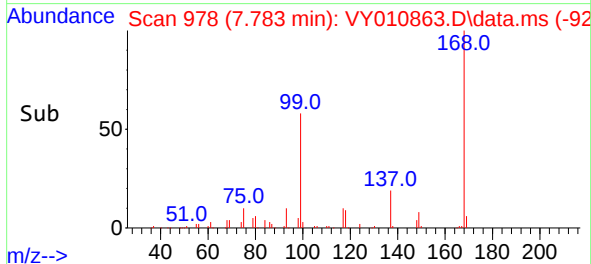
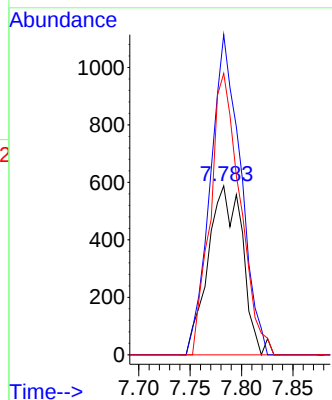


#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Instrument :
MSVOA_Y
ClientSampleId :
TR-5-100522RE

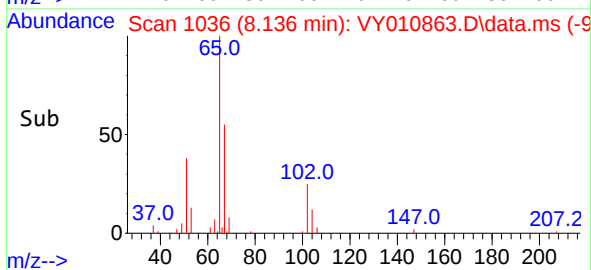
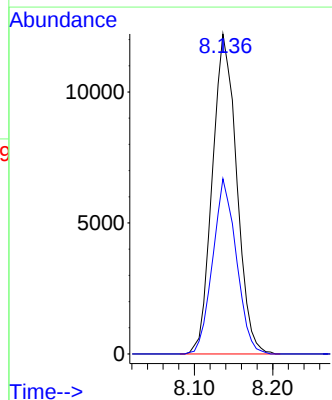
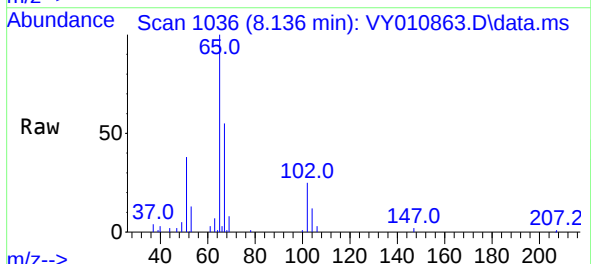


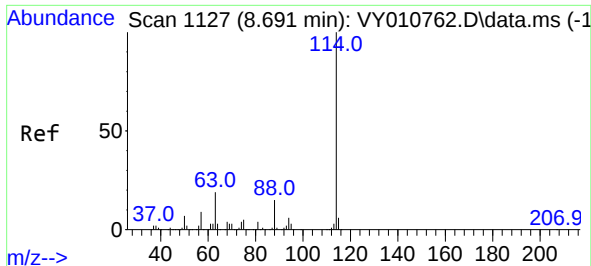
Tgt Ion: 56 Resp: 1375
Ion Ratio Lower Upper
56 100
69 189.5 26.7 40.1#
84 166.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 43.818 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Tgt Ion: 65 Resp: 26338
Ion Ratio Lower Upper
65 100
67 53.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010863.D

Acq: 07 Oct 2022 11:52

Instrument :

MSVOA_Y

ClientSampleId :

TR-5-100522RE

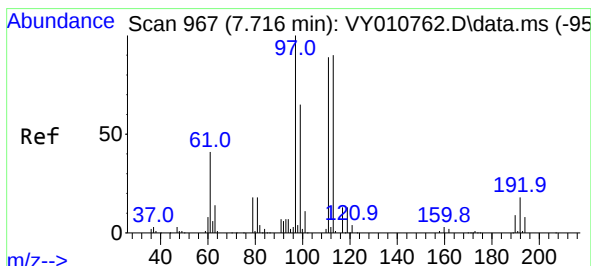
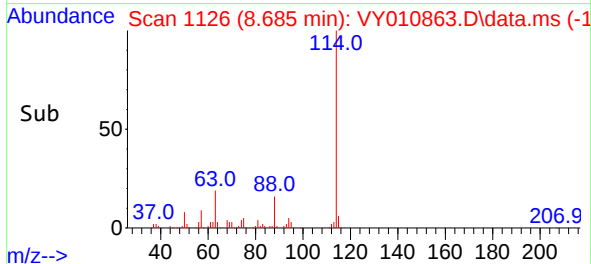
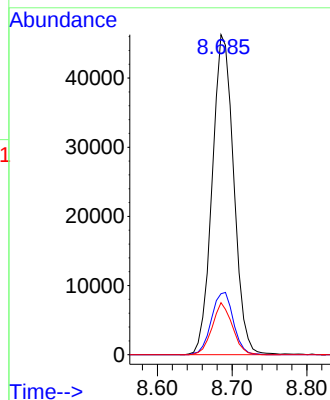
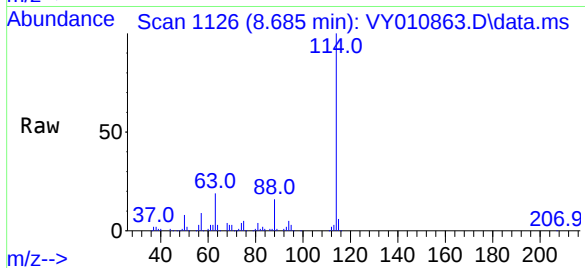
Tgt Ion:114 Resp: 92575

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.484 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010863.D

Acq: 07 Oct 2022 11:52

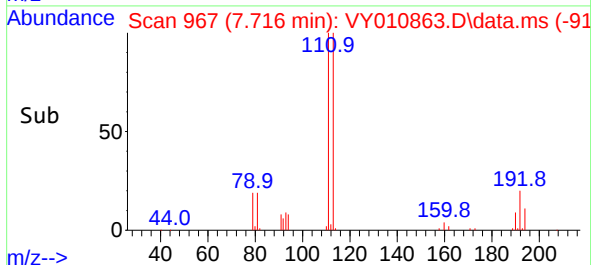
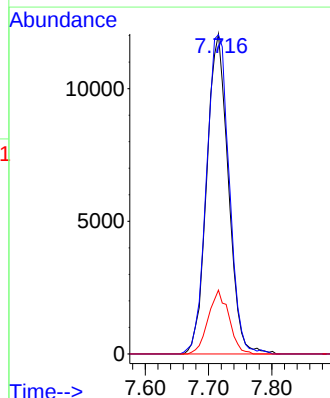
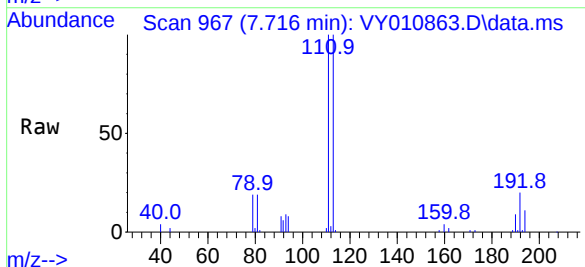
Tgt Ion:113 Resp: 28565

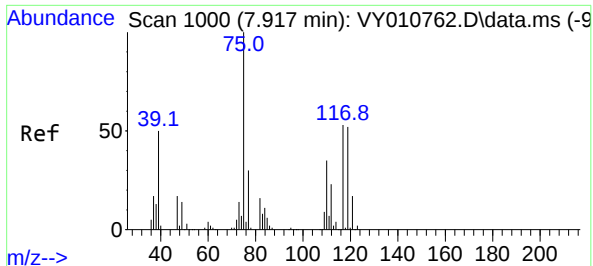
Ion Ratio Lower Upper

113 100

111 104.9 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.507 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010863.D

Acq: 07 Oct 2022 11:52

Instrument :

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TR-5-100522RE

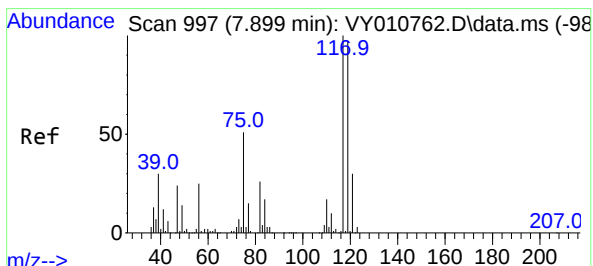
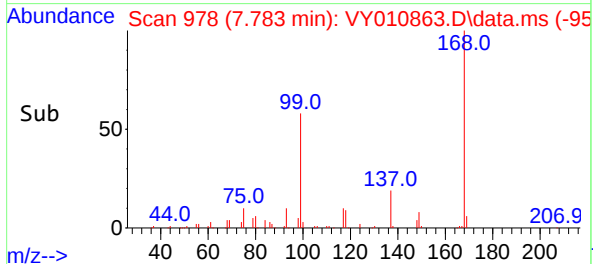
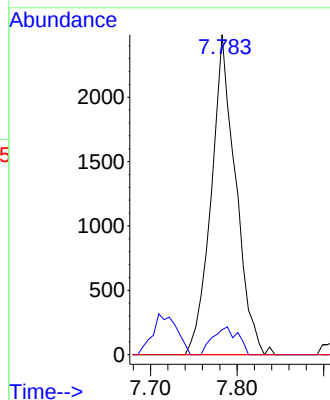
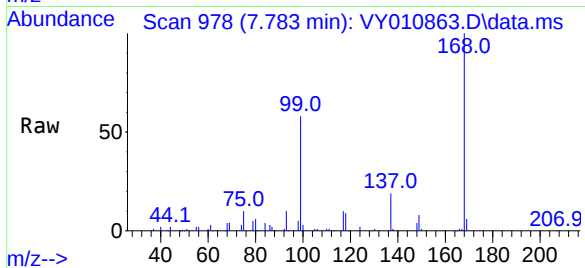
Tgt Ion: 75 Resp: 4885

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.349 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010863.D

Acq: 07 Oct 2022 11:52

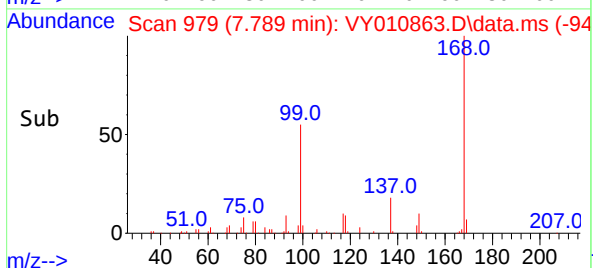
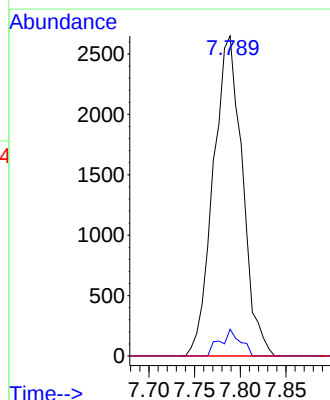
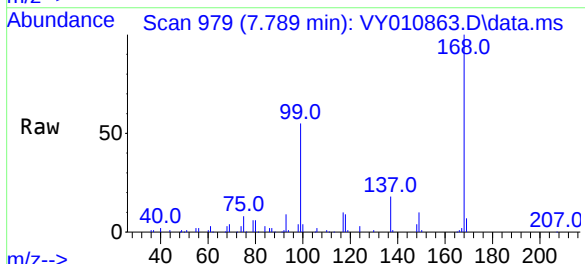
Tgt Ion: 117 Resp: 5866

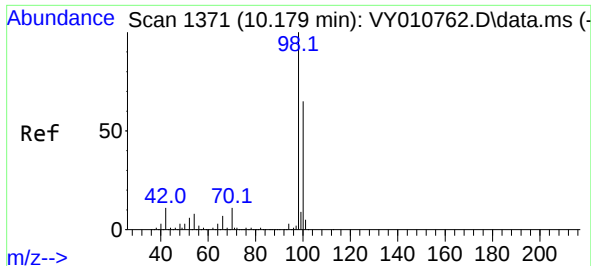
Ion Ratio Lower Upper

117 100

119 8.4 77.9 116.9#

121 0.0 24.8 37.2#

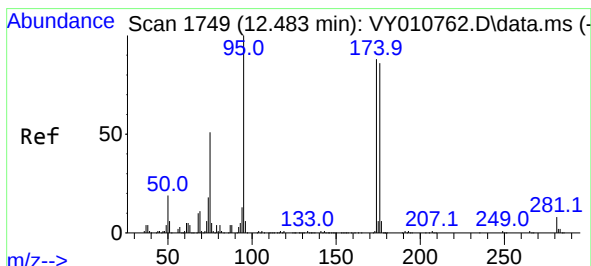
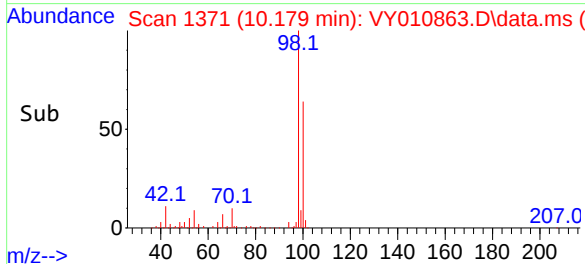
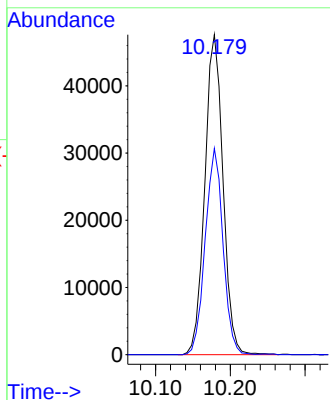
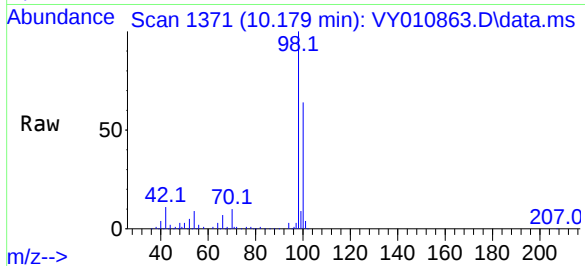




#50
Toluene-d8
Concen: 38.262 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

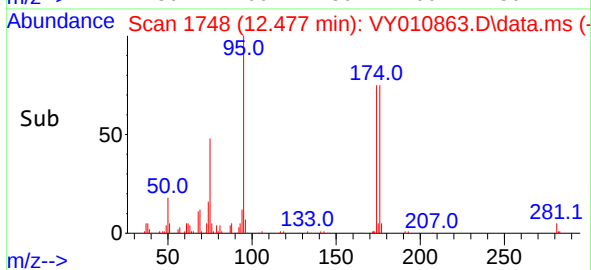
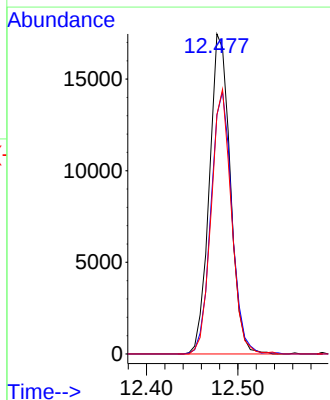
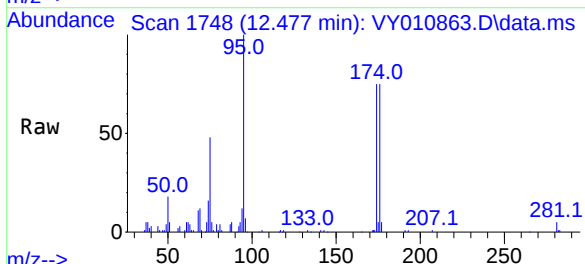
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-100522RE

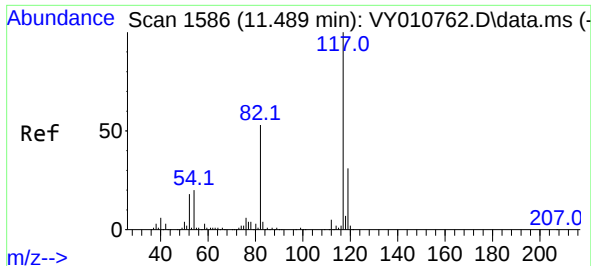
Tgt Ion: 98 Resp: 80411
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 32.456 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Tgt Ion: 95 Resp: 27708
Ion Ratio Lower Upper
95 100
174 82.4 0.0 177.0
176 79.8 0.0 175.8

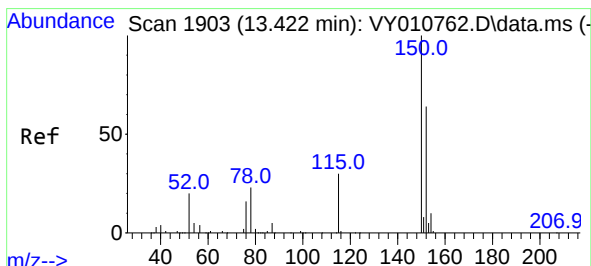
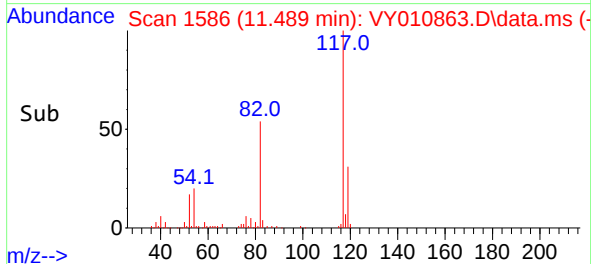
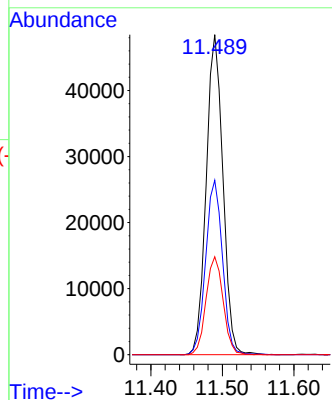
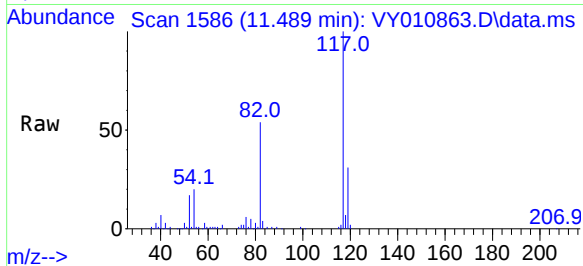




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

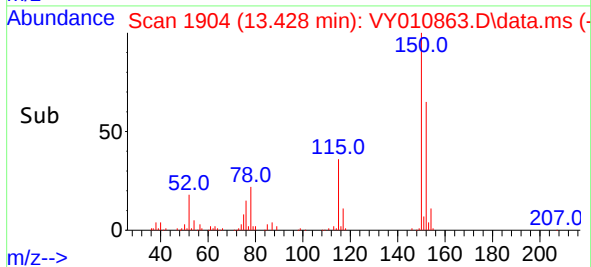
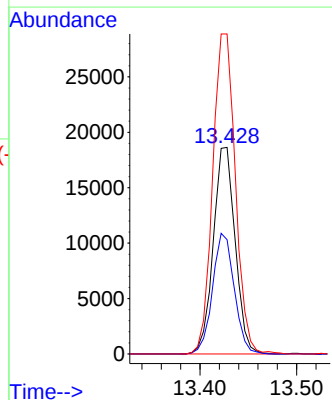
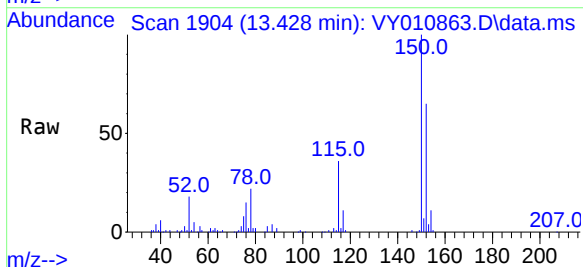
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-100522RE

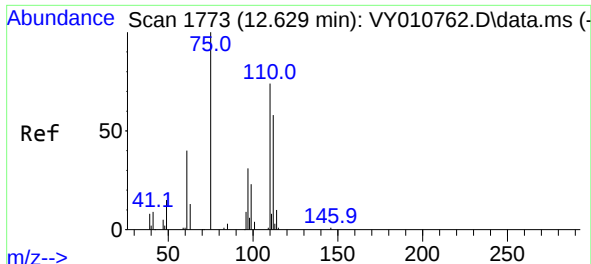
Tgt Ion:	117	Resp:	78613
Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	30.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Tgt Ion:	152	Resp:	29288
Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.2	84.7
150	160.7	0.0	347.6

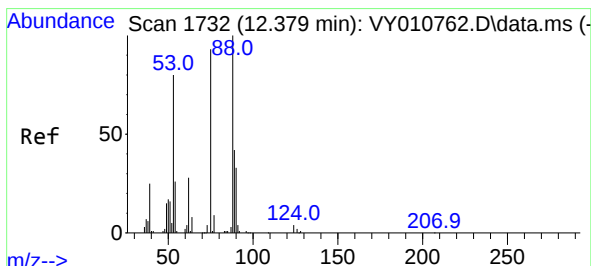
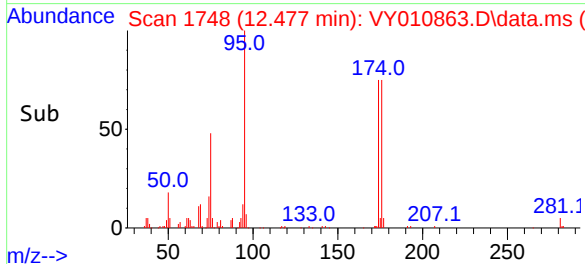
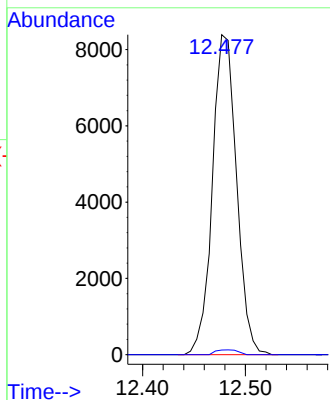
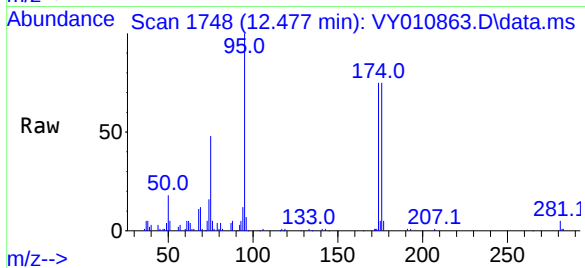




#76
1,2,3-Trichloropropane
Concen: 46.181 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Instrument :
MSVOA_Y
ClientSampleId :
TR-5-100522RE

Tgt Ion: 75 Resp: 13697
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.467 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010863.D
Acq: 07 Oct 2022 11:52

Tgt Ion: 75 Resp: 13697
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

