

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010803.D
 Acq On : 04 Oct 2022 18:11
 Operator : KP/MD
 Sample : N4960-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 07:33:31 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)

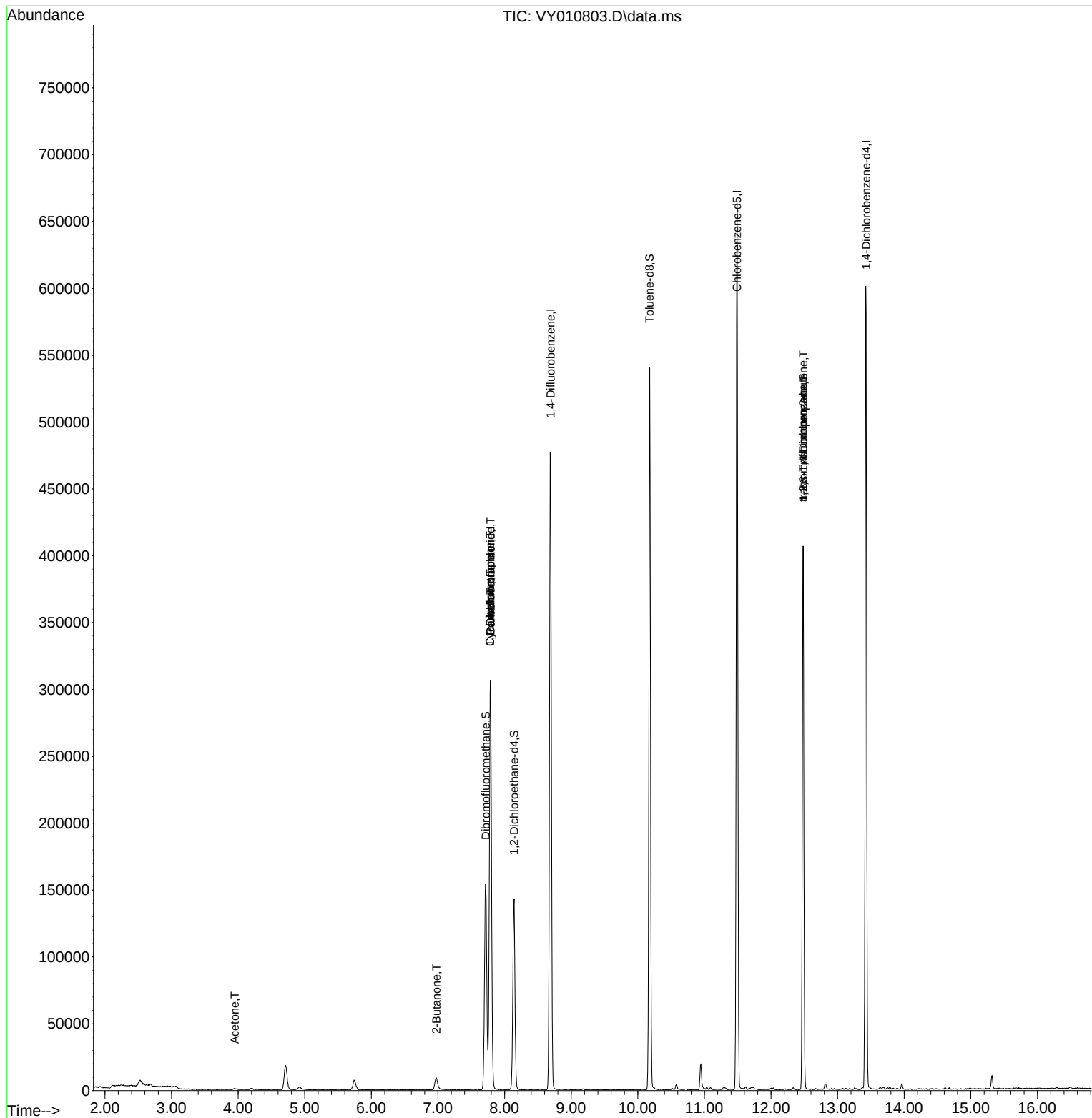
Internal Standards						
1) Pentafluorobenzene	7.789	168	237409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	415644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	108109	44.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.840%
35) Dibromofluoromethane	7.716	113	110608	40.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.180%
50) Toluene-d8	10.179	98	339748	36.007	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.020%
62) 4-Bromofluorobenzene	12.483	95	121609	31.637	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	2128	Below Cal	#	77
16) Acetone	3.948	43	1706	2.791	ug/l	97
25) 2-Butanone	6.978	43	1211	1.378	ug/l	98
31) Cyclohexane	7.783	56	5163	1.199	ug/l	# 17
36) 1,1-Dichloropropene	7.783	75	18588	4.667	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	23511	5.667	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	62601	39.779	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	62601	83.095	ug/l	# 7

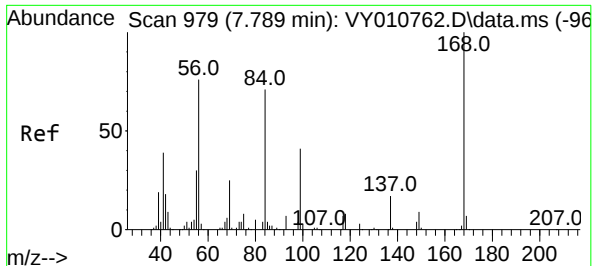
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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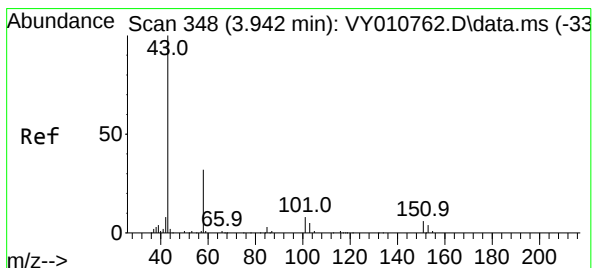
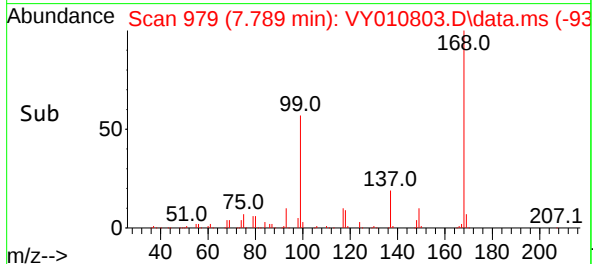
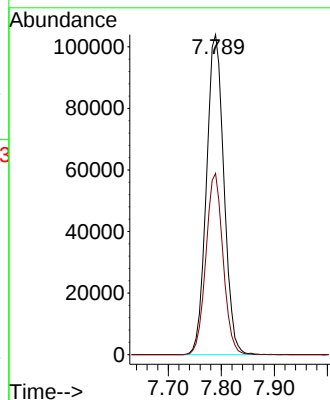
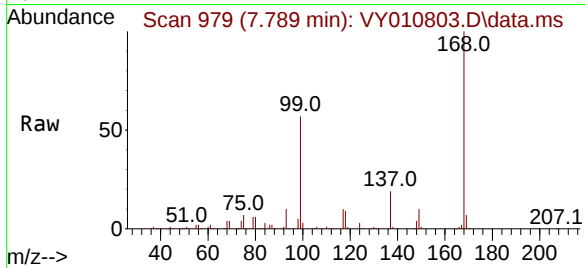




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

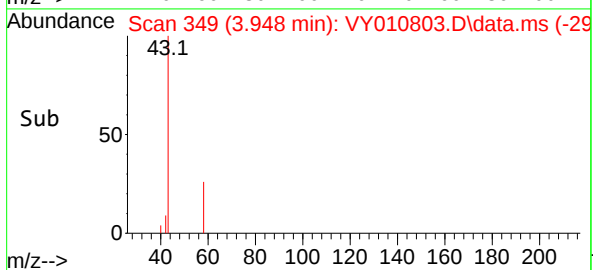
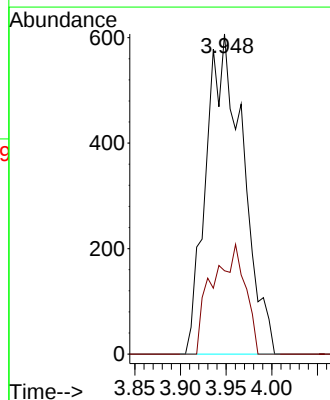
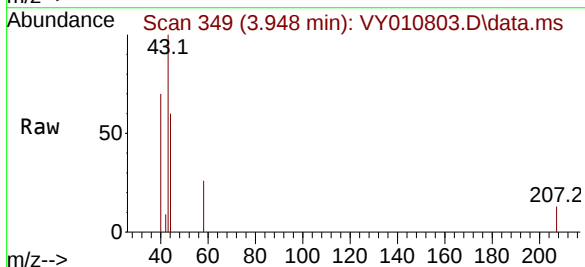
Instrument :
MSVOA_Y
ClientSampleId :

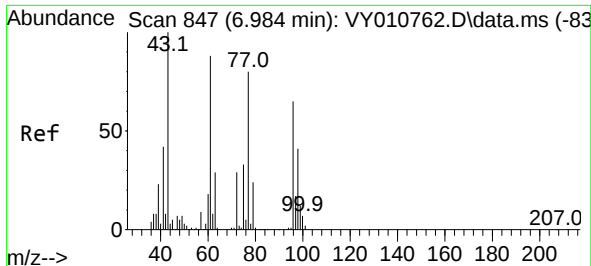
Tgt Ion:168 Resp: 237409
Ion Ratio Lower Upper
168 100
99 56.7 46.9 70.3



#16
Acetone
Concen: 2.791 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
58 26.0 22.0 33.0

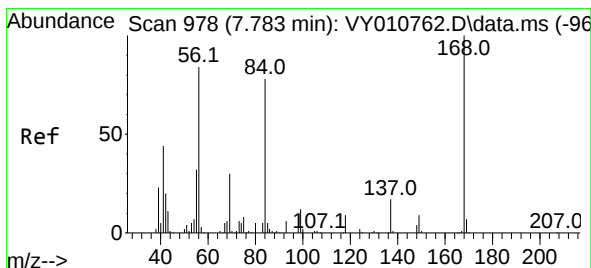
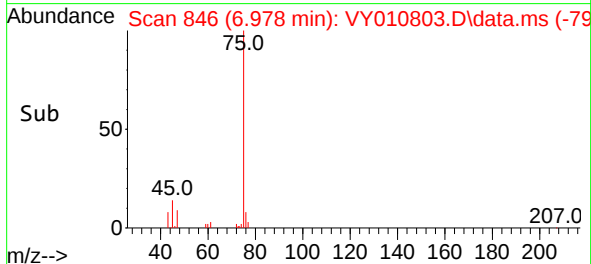
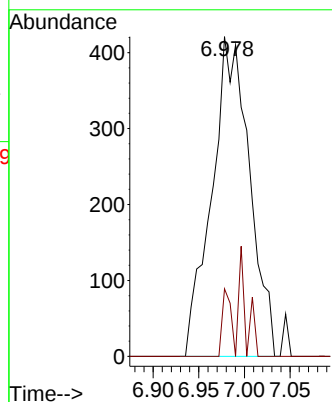
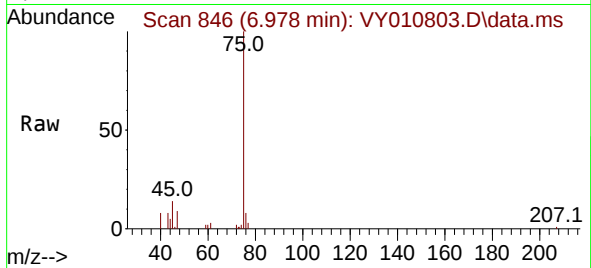




#25
2-Butanone
Concen: 1.378 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

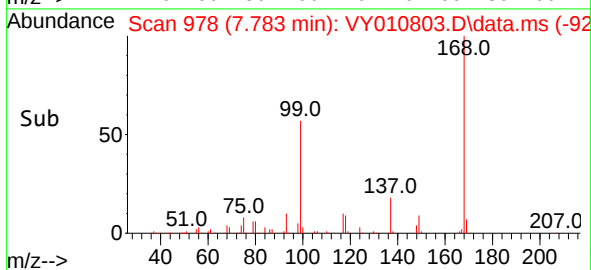
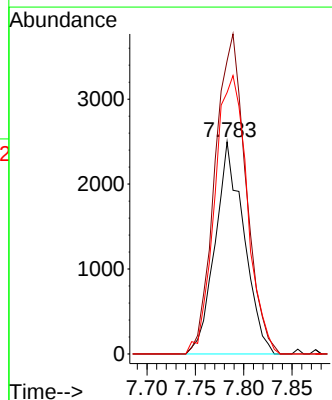
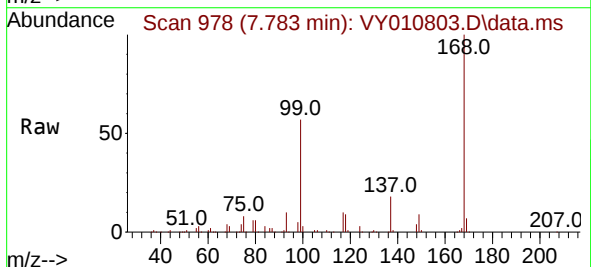
Instrument :
MSVOA_Y
ClientSampleId :

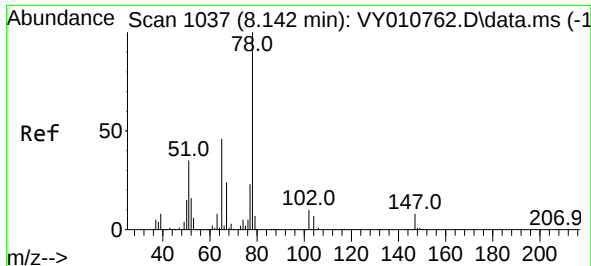
Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
72 21.1 17.7 26.5



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

Tgt Ion: 56 Resp: 5163
Ion Ratio Lower Upper
56 100
69 138.1 26.7 40.1#
84 123.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 44.925 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY010803.D

Acq: 04 Oct 2022 18:11

Instrument :

MSVOA_Y

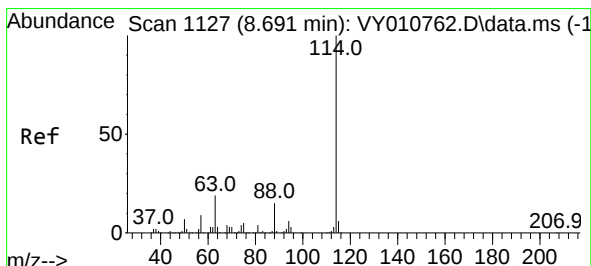
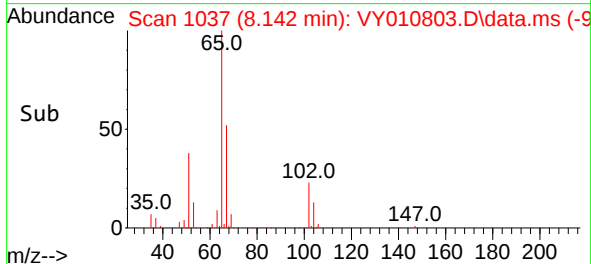
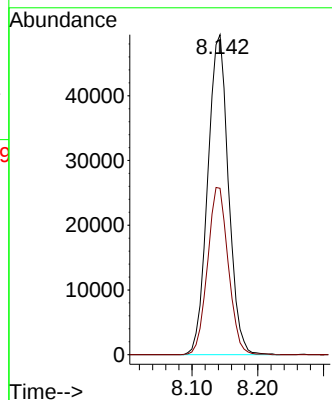
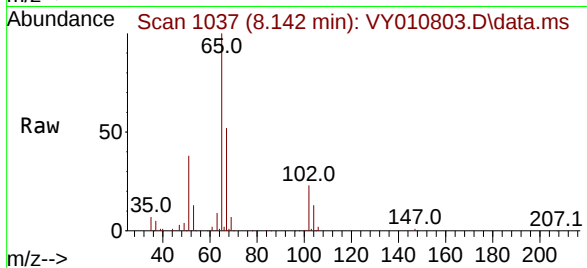
ClientSampleId :

Tgt Ion: 65 Resp: 108109

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010803.D

Acq: 04 Oct 2022 18:11

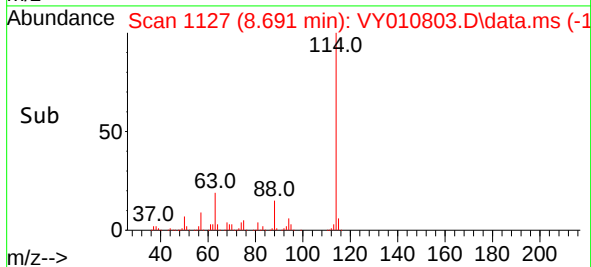
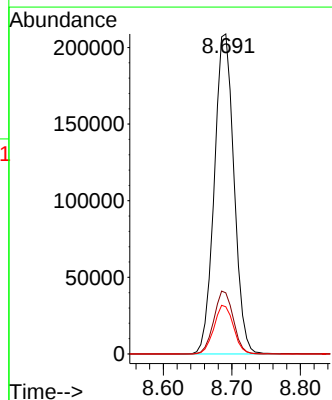
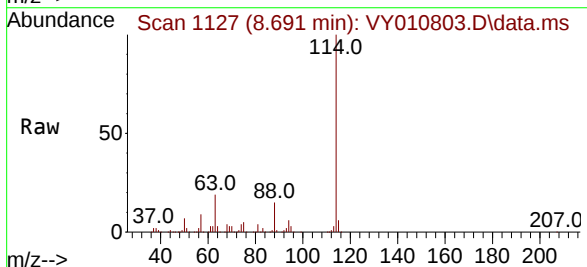
Tgt Ion: 114 Resp: 415644

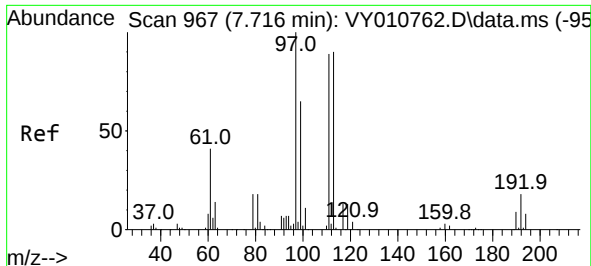
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

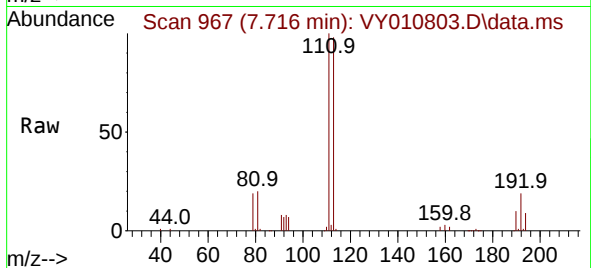
88 14.7 0.0 31.8



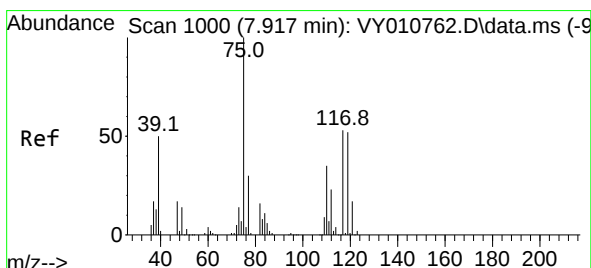
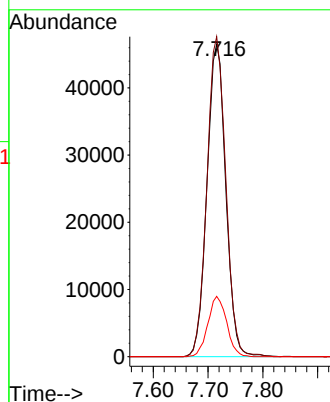
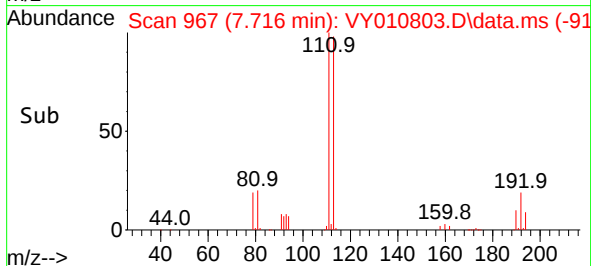


#35
Dibromofluoromethane
Concen: 40.089 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

Instrument :
MSVOA_Y
ClientSampleId :

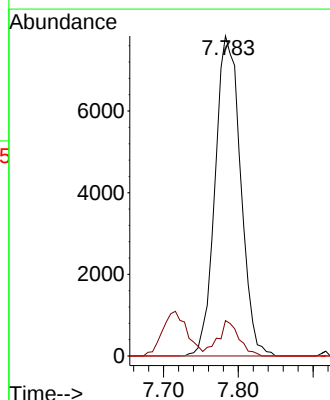
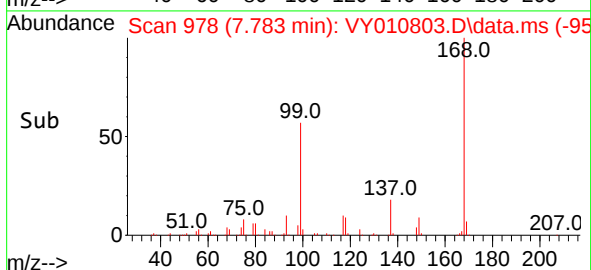
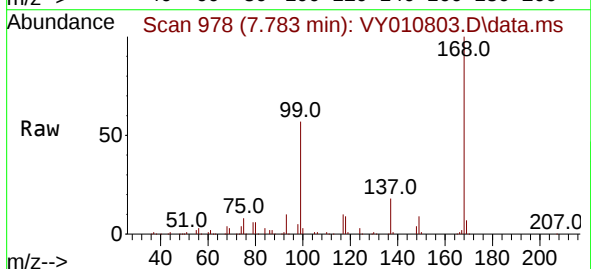


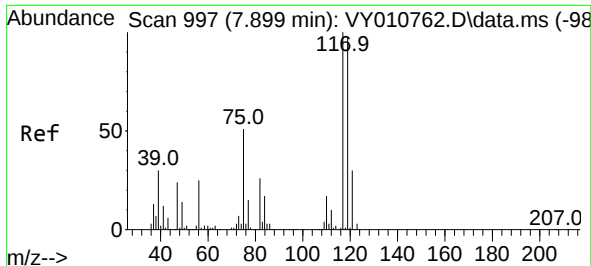
Tgt Ion:113 Resp: 110608
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

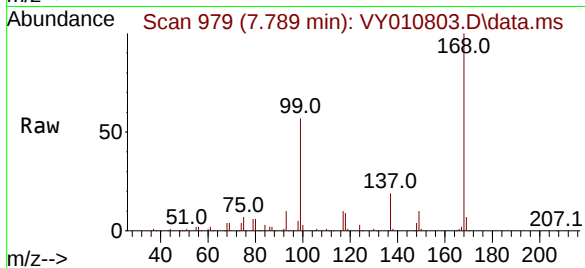
Tgt Ion: 75 Resp: 18588
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



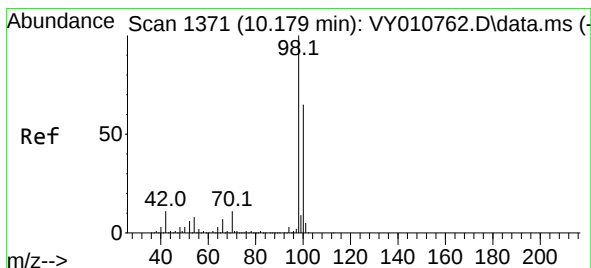
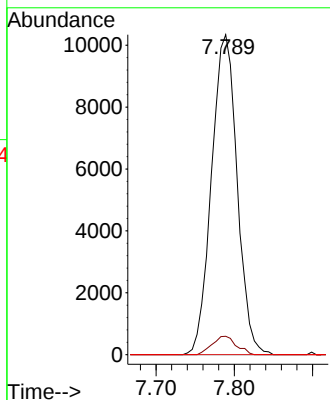
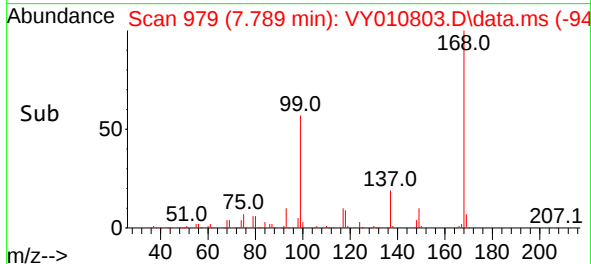


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

Instrument :
MSVOA_Y
ClientSampleId :

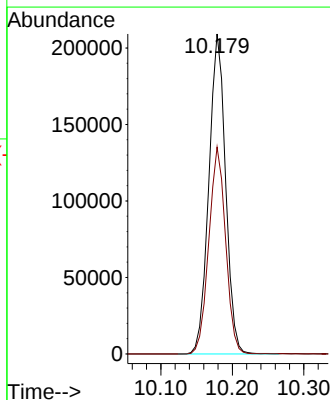
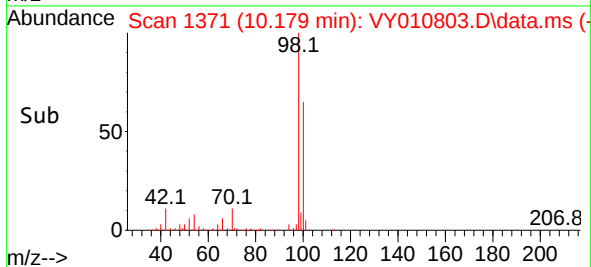
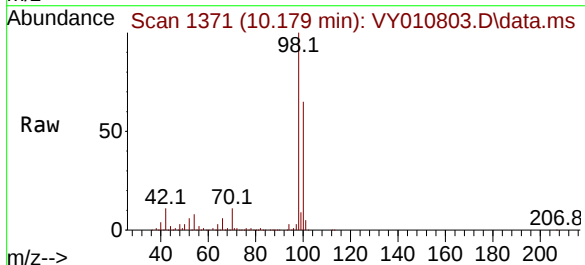


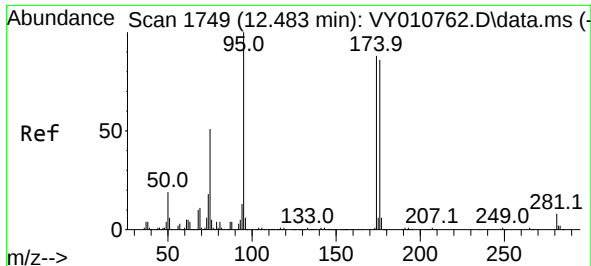
Tgt Ion:117 Resp: 23511
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 36.007 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010803.D
Acq: 04 Oct 2022 18:11

Tgt Ion: 98 Resp: 339748
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 31.637 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010803.D

Acq: 04 Oct 2022 18:11

Instrument :

MSVOA_Y

ClientSampleId :

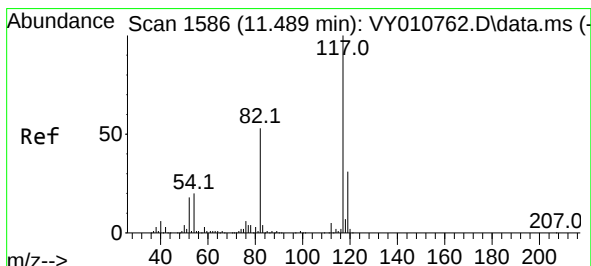
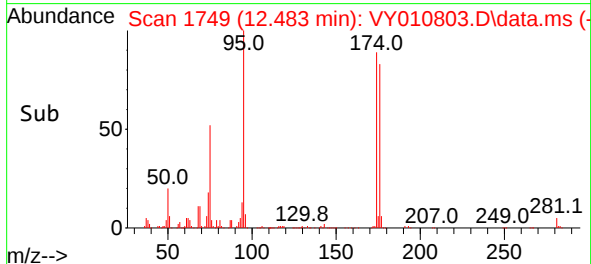
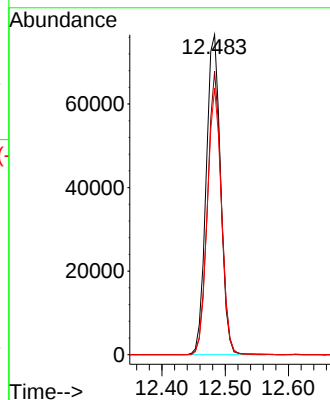
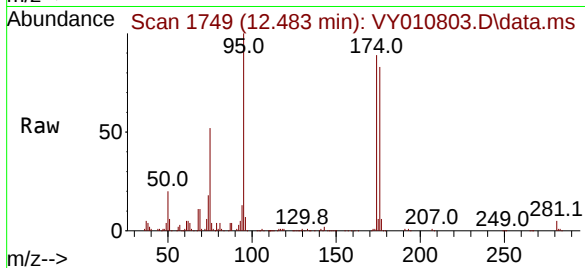
Tgt Ion: 95 Resp: 121609

Ion Ratio Lower Upper

95 100

174 84.9 0.0 177.0

176 81.4 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY010803.D

Acq: 04 Oct 2022 18:11

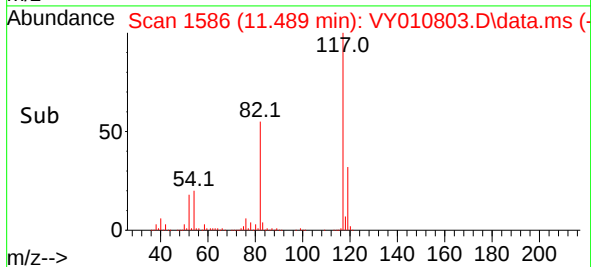
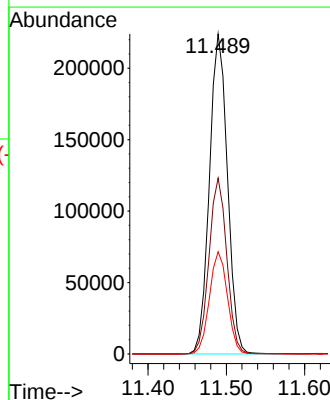
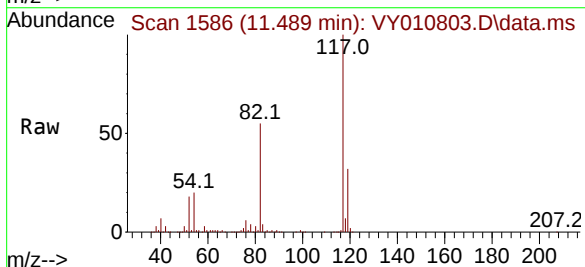
Tgt Ion: 117 Resp: 357993

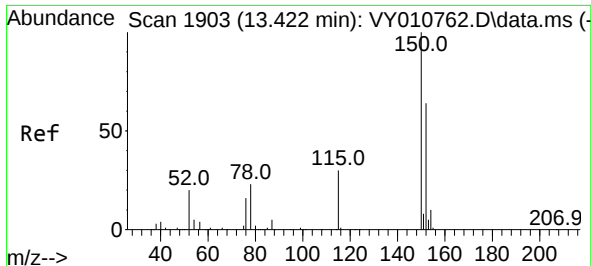
Ion Ratio Lower Upper

117 100

82 55.0 43.0 64.4

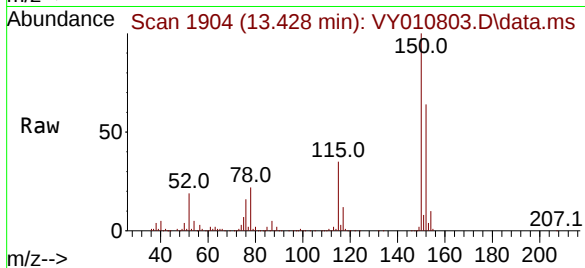
119 31.9 25.4 38.0



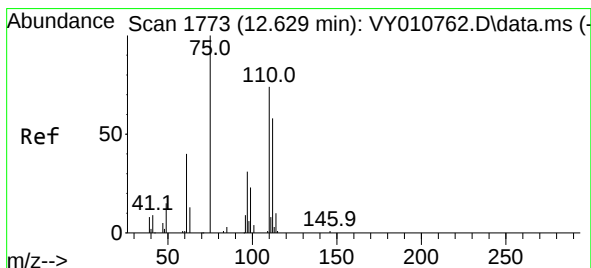
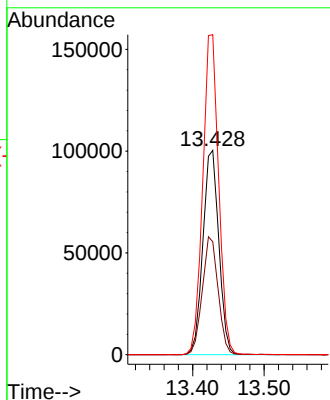
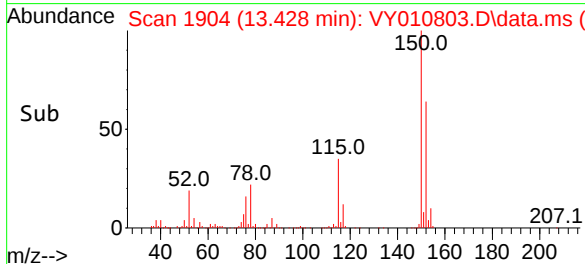


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010803.D
 Acq: 04 Oct 2022 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :

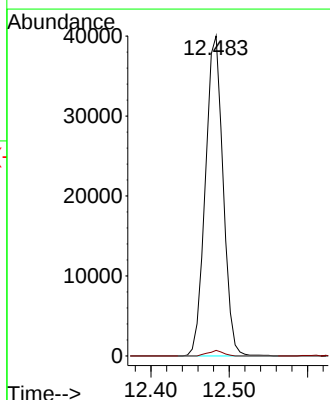
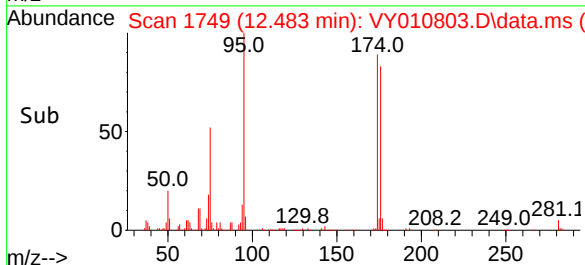
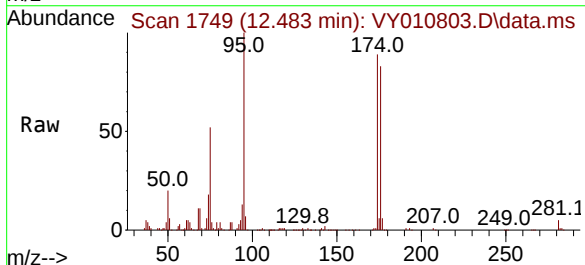


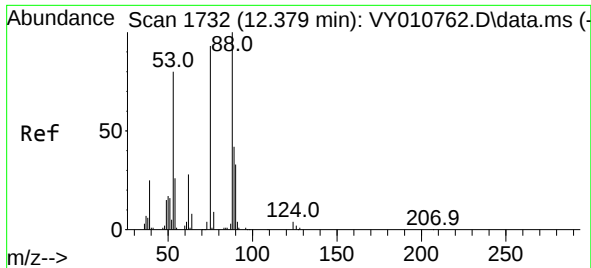
Tgt Ion:152 Resp: 155399
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.2 84.7
 150 156.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 39.779 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY010803.D
 Acq: 04 Oct 2022 18:11

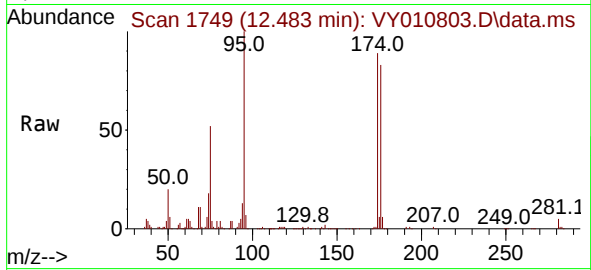
Tgt Ion: 75 Resp: 62601
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.095 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010803.D
 Acq: 04 Oct 2022 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :



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

