

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011596.D
 Acq On : 28 Nov 2022 12:26
 Operator : KP/MD
 Sample : N5766-05RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CR-5

Quant Time: Nov 29 00:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

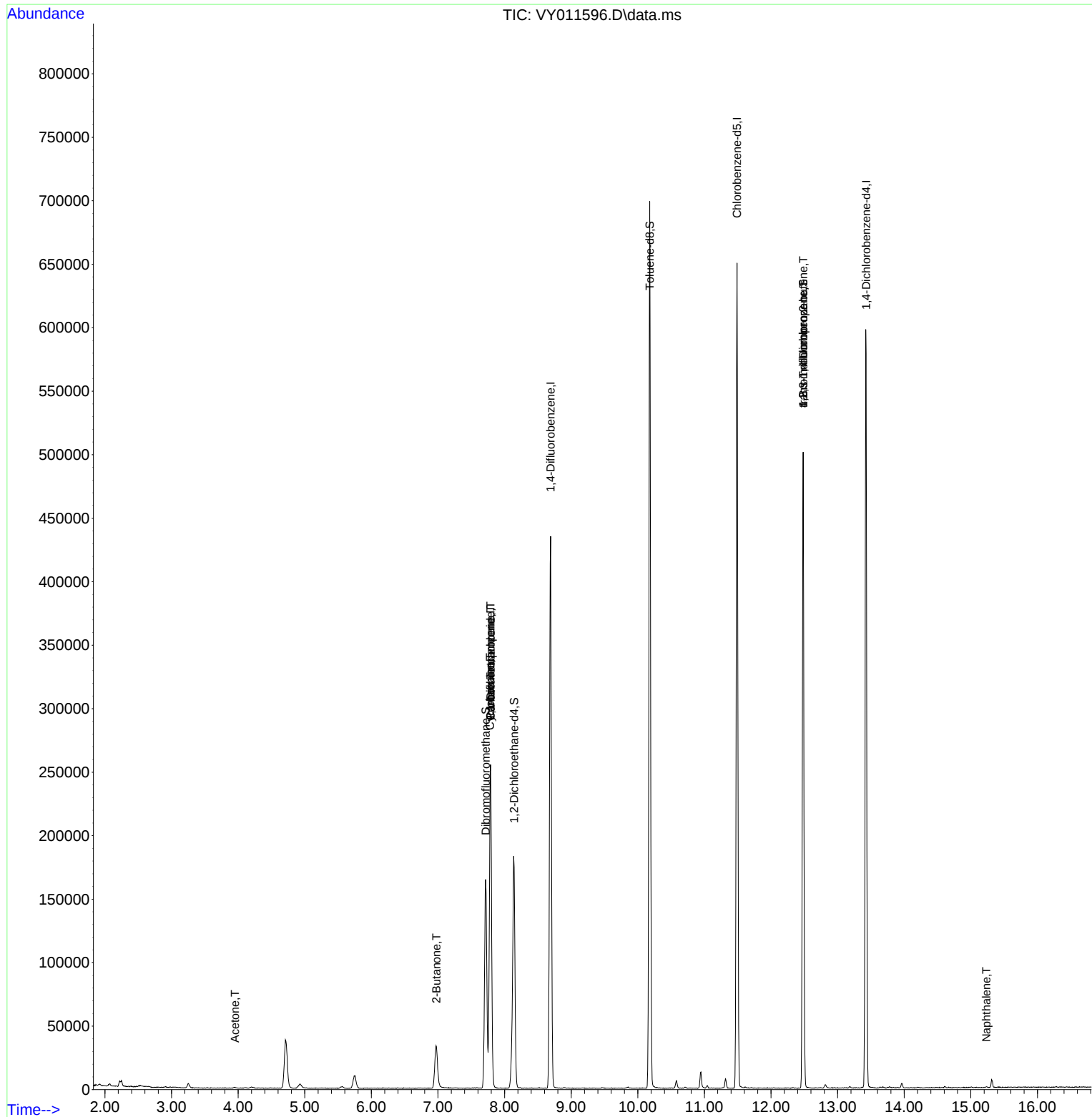
Internal Standards						
1) Pentafluorobenzene	7.789	168	197757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	360131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	347510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	130744	65.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.220%	
35) Dibromofluoromethane	7.716	113	116976	52.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.179	98	440835	54.720	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.440%	
62) 4-Bromofluorobenzene	12.483	95	143829	48.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.580%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	600	Below Cal		75
3) Chloromethane	2.113	50	282	Below Cal	#	82
5) Bromomethane	2.668	94	244	Below Cal		91
11) Tert butyl alcohol	4.930	59	3609	Below Cal	#	77
16) Acetone	3.954	43	827	1.268	ug/l	97
18) Methyl Acetate	4.473	43	340	Below Cal	#	56
25) 2-Butanone	6.978	43	1812	2.114	ug/l #	72
31) Cyclohexane	7.783	56	4303	1.293	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16050	4.632	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19704	5.082	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	77214	46.653	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77214	102.185	ug/l #	7
95) Naphthalene	15.233	128	821	4.159	ug/l #	81

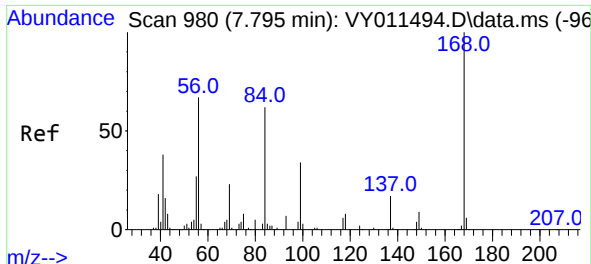
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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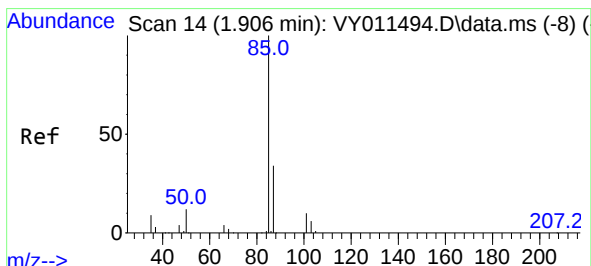
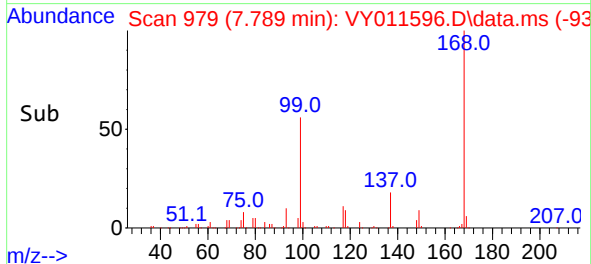
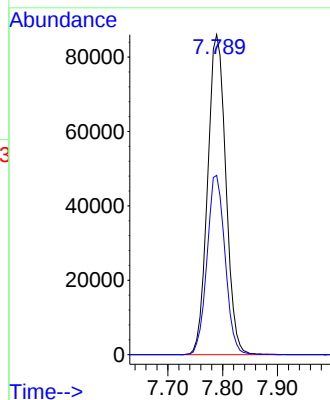
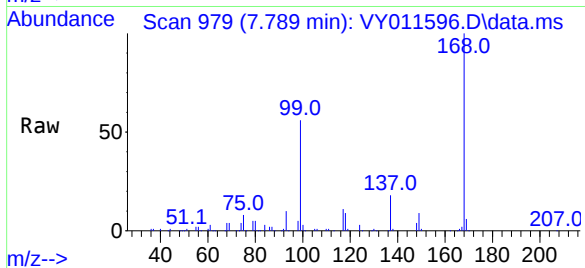




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

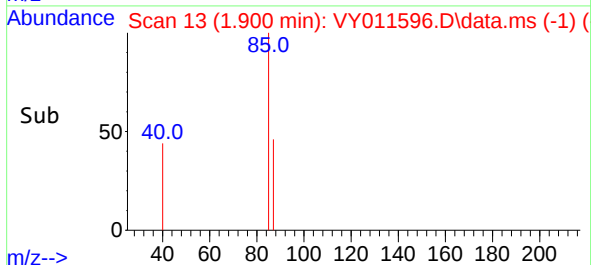
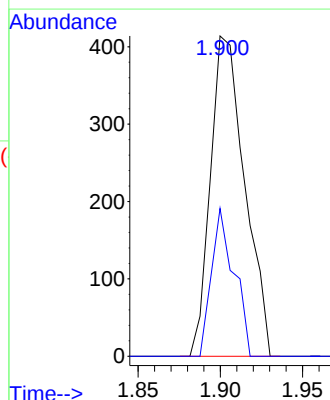
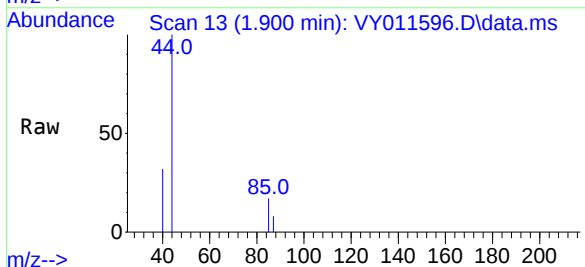
Instrument :
MSVOA_Y
ClientSampleId :
CR-5

Tgt Ion:168 Resp: 197757
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3

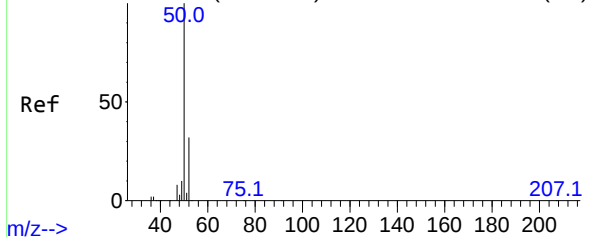


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Tgt Ion: 85 Resp: 600
Ion Ratio Lower Upper
85 100
87 46.1 16.1 48.2



Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011596.D

Acq: 28 Nov 2022 12:26

Instrument :

MSVOA_Y

ClientSampleId :

CR-5

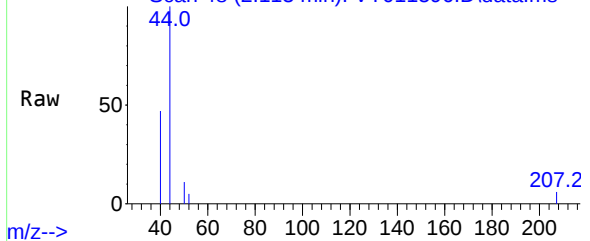
Tgt Ion: 50 Resp: 282

Ion Ratio Lower Upper

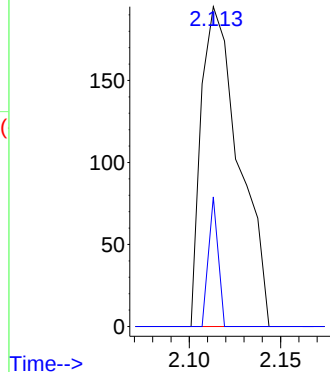
50 100

52 40.5 24.6 37.0#

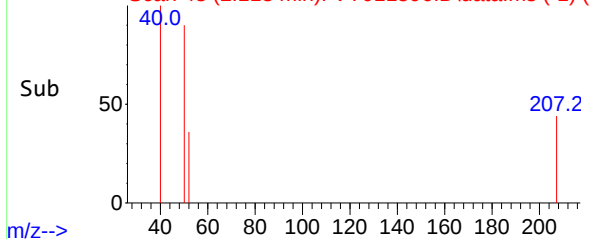
Abundance Scan 48 (2.113 min): VY011596.D\data.ms



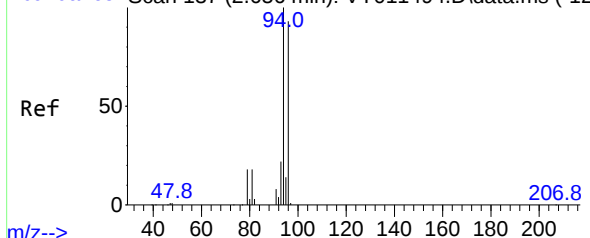
Abundance



Abundance Scan 48 (2.113 min): VY011596.D\data.ms (-1)



Abundance Scan 137 (2.656 min): VY011494.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.012 min

Lab File: VY011596.D

Acq: 28 Nov 2022 12:26

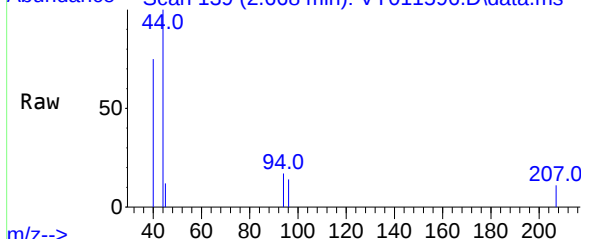
Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

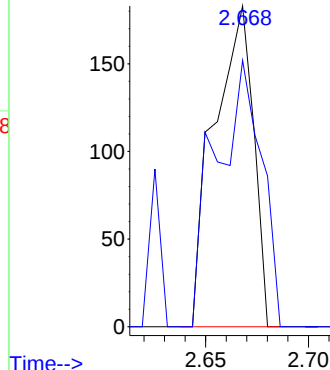
94 100

96 83.1 73.5 110.3

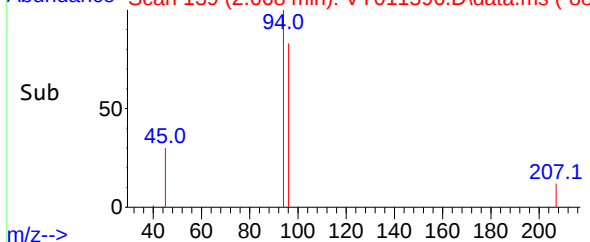
Abundance Scan 139 (2.668 min): VY011596.D\data.ms

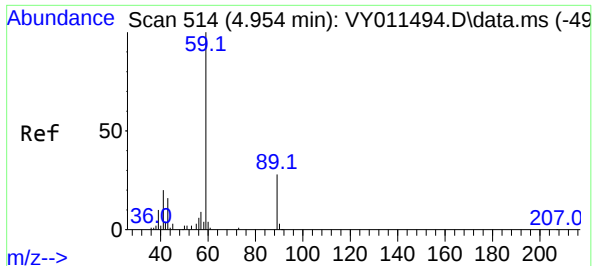


Abundance



Abundance Scan 139 (2.668 min): VY011596.D\data.ms (-88)

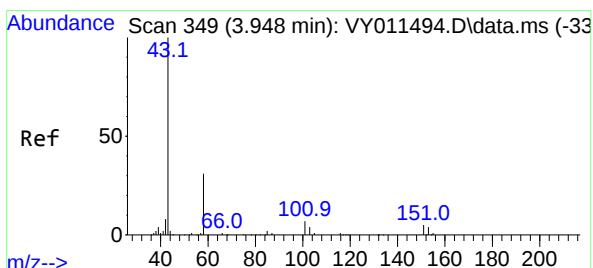
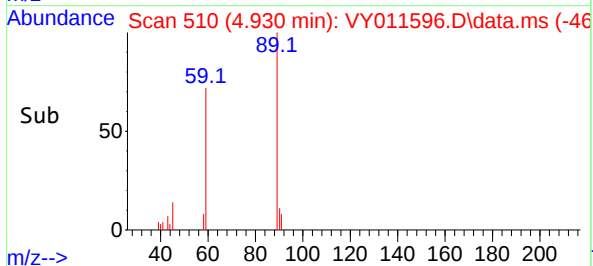
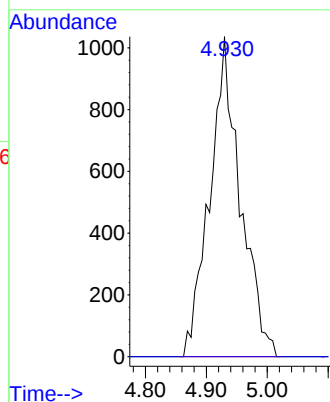
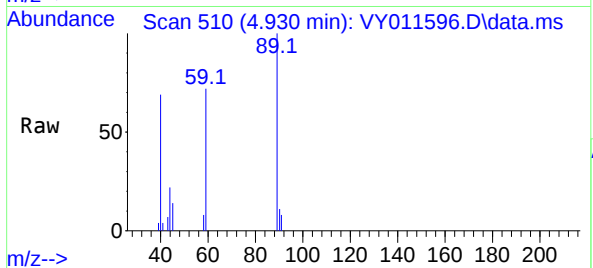




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

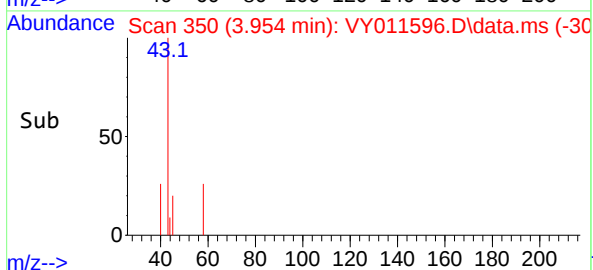
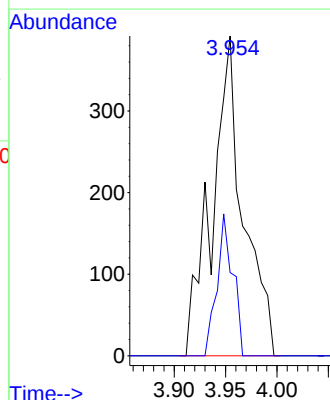
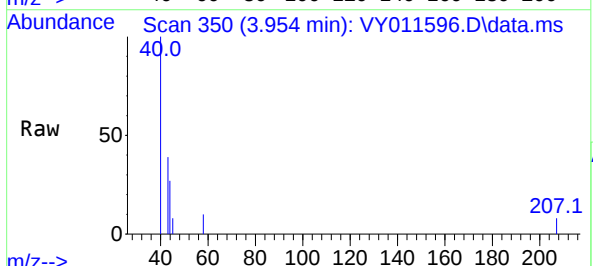
Instrument :
MSVOA_Y
ClientSampleId :
CR-5

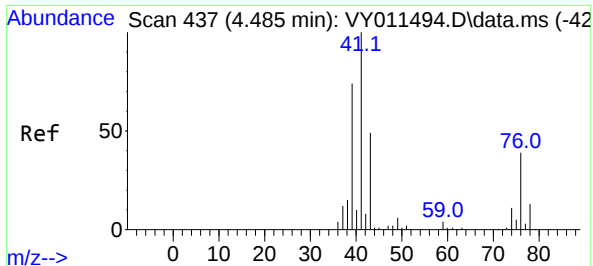
Tgt Ion: 59 Resp: 3609
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.268 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
58 26.0 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.473 min Scan# 41

Delta R.T. -0.013 min

Lab File: VY011596.D

Acq: 28 Nov 2022 12:26

Instrument :

MSVOA_Y

ClientSampleId :

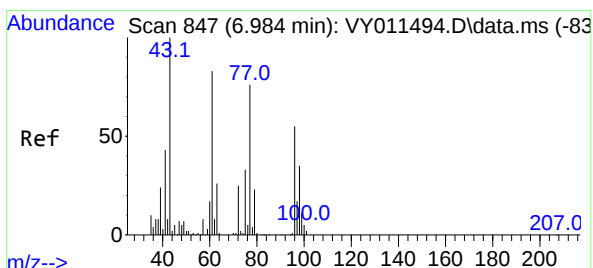
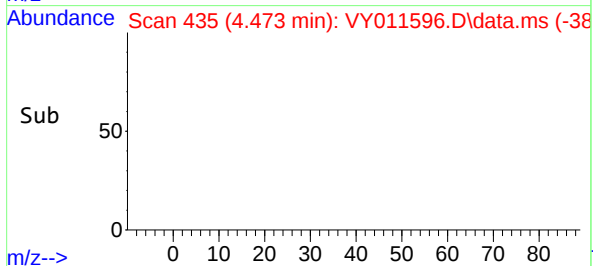
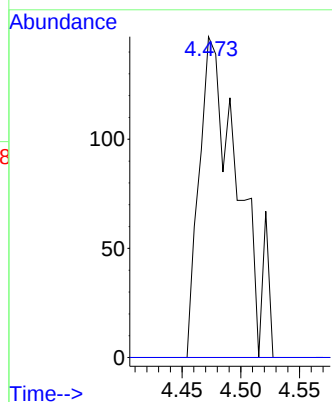
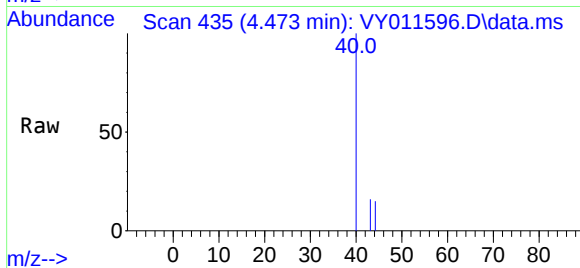
CR-5

Tgt Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 2.114 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011596.D

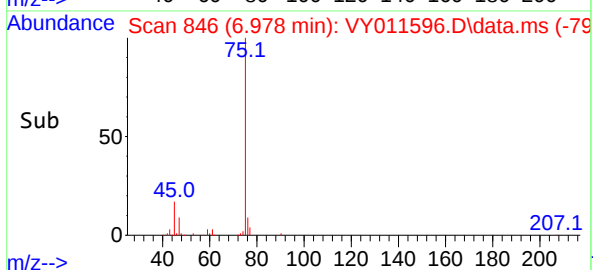
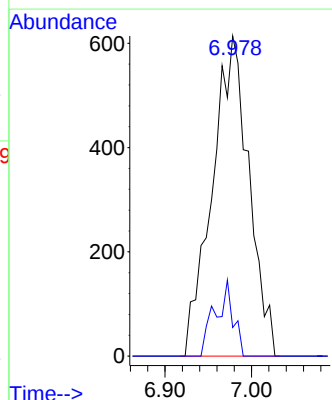
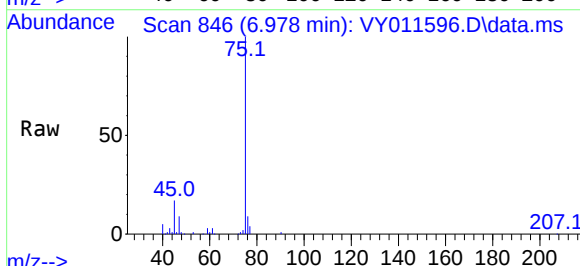
Acq: 28 Nov 2022 12:26

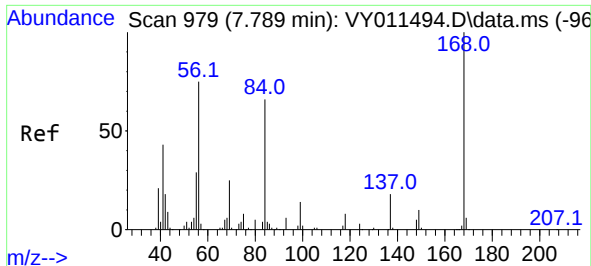
Tgt Ion: 43 Resp: 1812

Ion Ratio Lower Upper

43 100

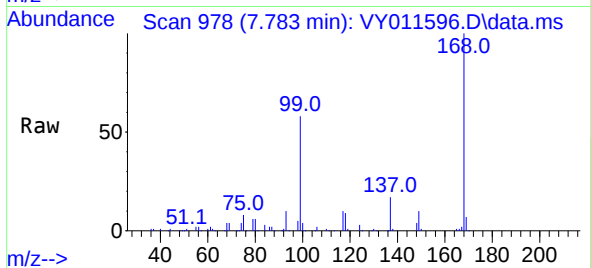
72 9.0 17.7 26.5#



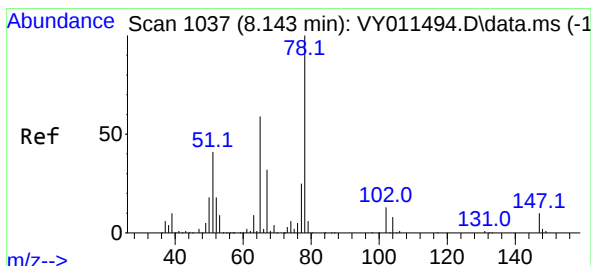
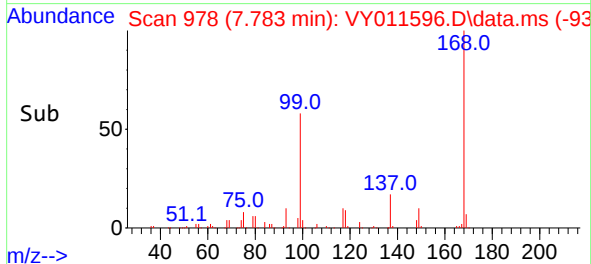
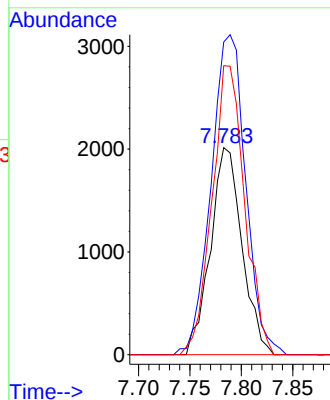


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Instrument :
MSVOA_Y
ClientSampleId :
CR-5

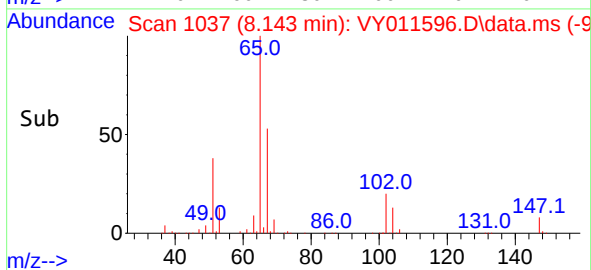
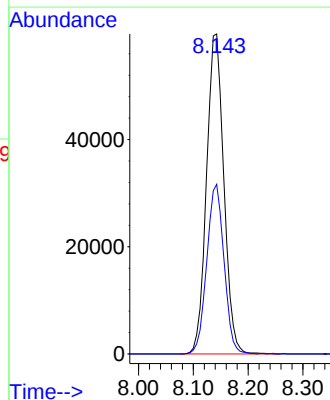
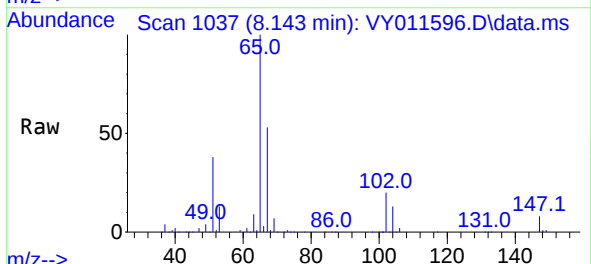


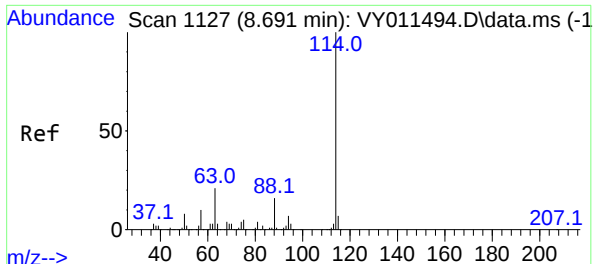
Tgt Ion: 56 Resp: 4303
Ion Ratio Lower Upper
56 100
69 148.2 26.7 40.1#
84 139.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.111 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Tgt Ion: 65 Resp: 130744
Ion Ratio Lower Upper
65 100
67 52.7 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: VY011596.D

Acq: 28 Nov 2022 12:26

Instrument :

MSVOA_Y

ClientSampleId :

CR-5

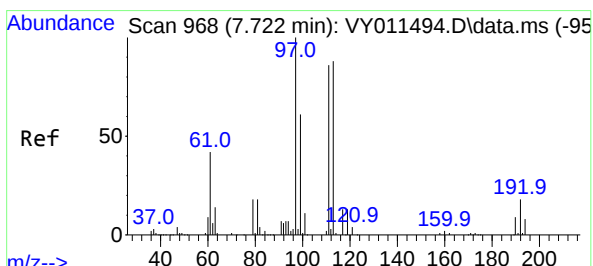
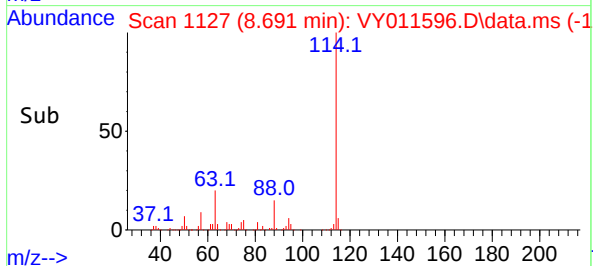
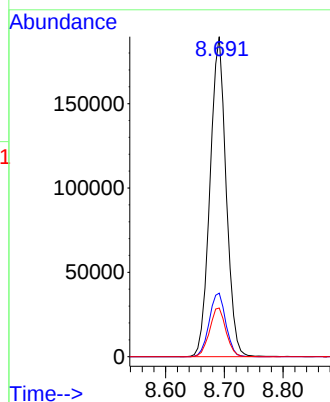
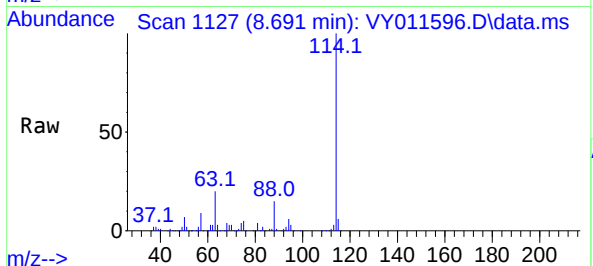
Tgt Ion:114 Resp: 360131

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.765 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011596.D

Acq: 28 Nov 2022 12:26

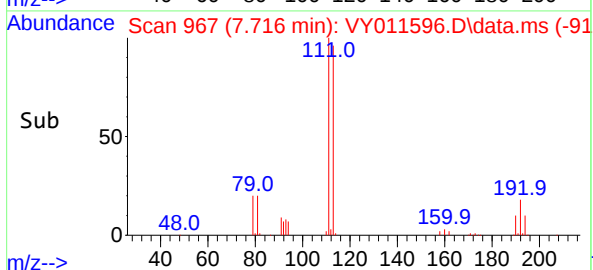
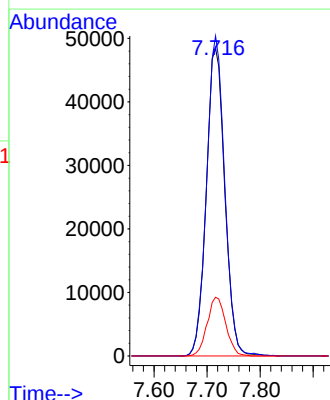
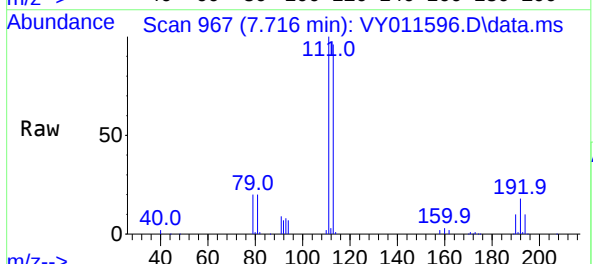
Tgt Ion:113 Resp: 116976

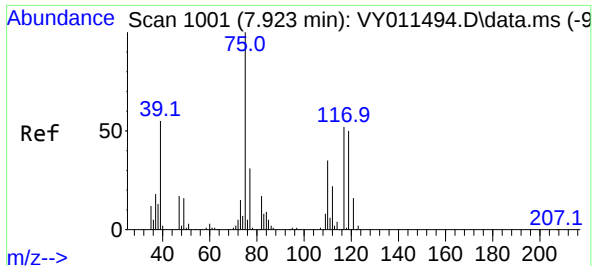
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 19.3 17.6 26.4

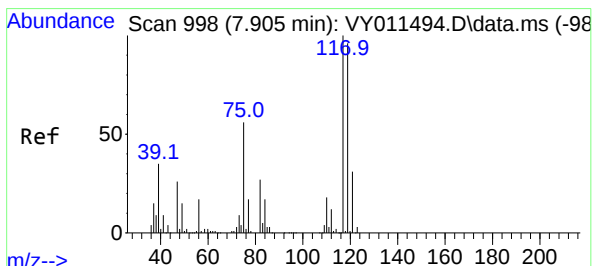
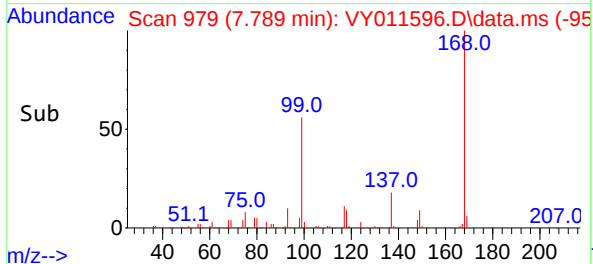
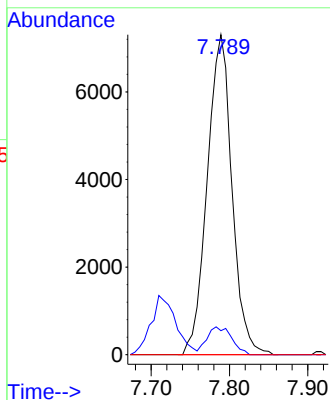
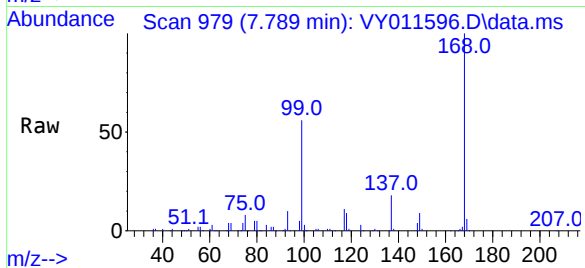




#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

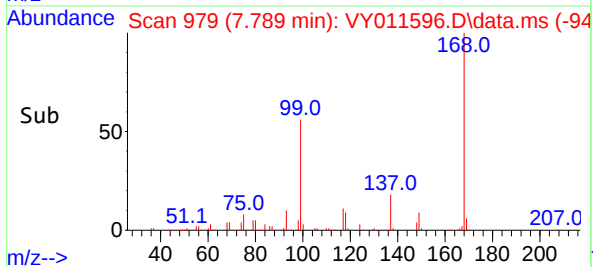
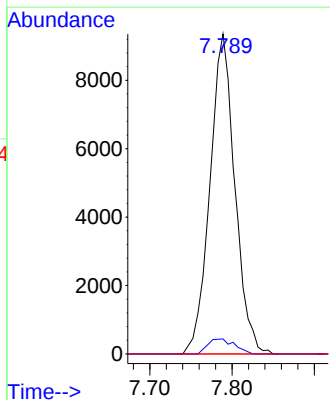
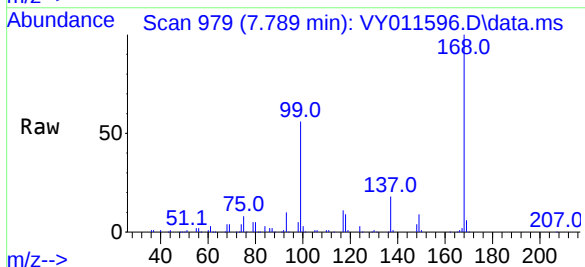
Instrument :
MSVOA_Y
ClientSampleId :
CR-5

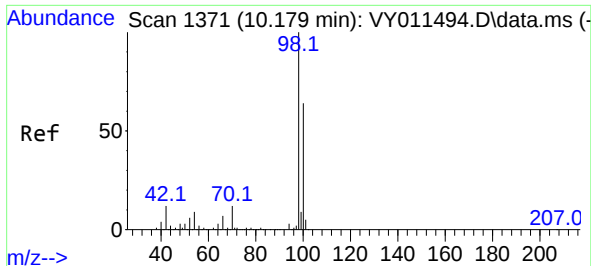
Tgt Ion: 75 Resp: 16050
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.082 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Tgt Ion: 117 Resp: 19704
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

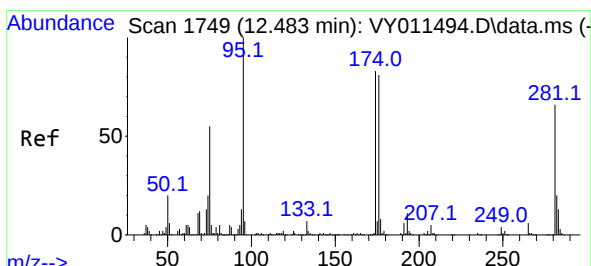
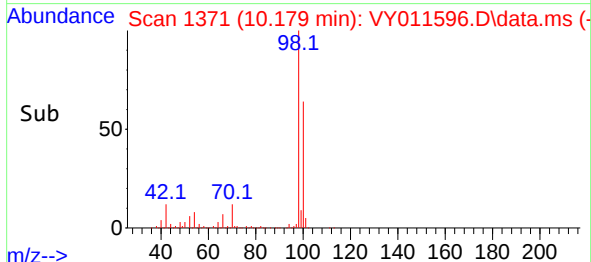
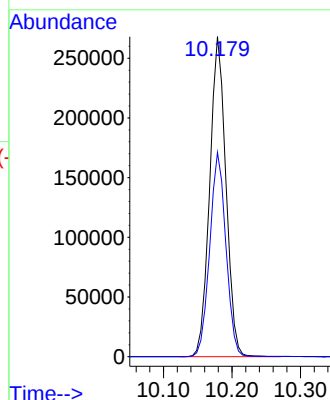
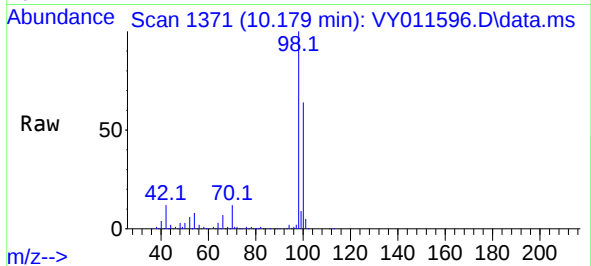




#50
Toluene-d8
Concen: 54.720 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

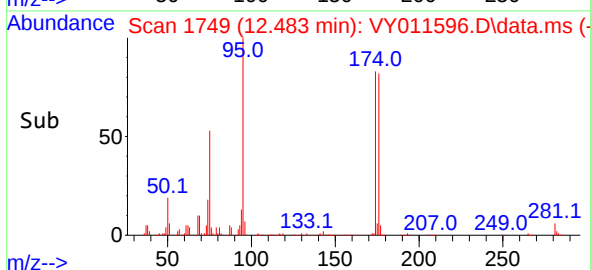
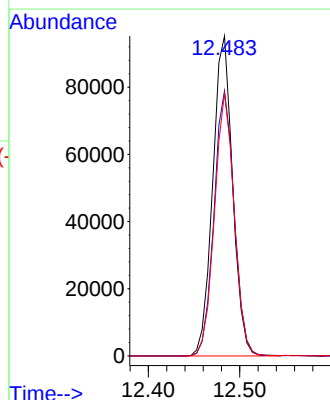
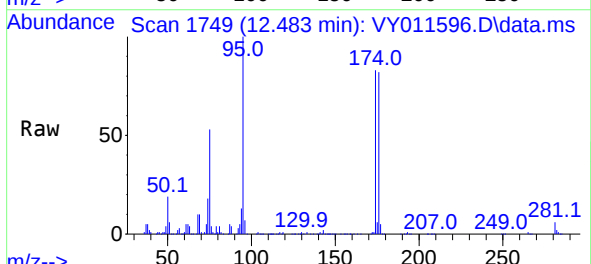
Instrument :
MSVOA_Y
ClientSampleId :
CR-5

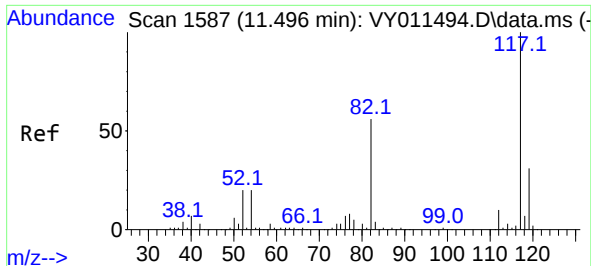
Tgt Ion: 98 Resp: 440835
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.287 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Tgt Ion: 95 Resp: 143829
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 81.6 0.0 175.8

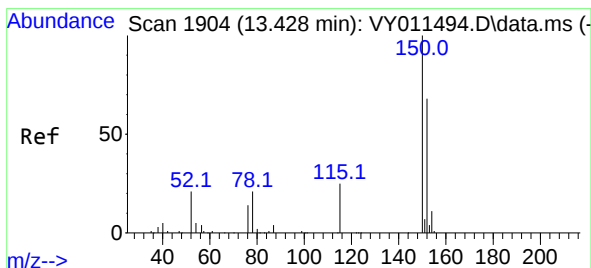
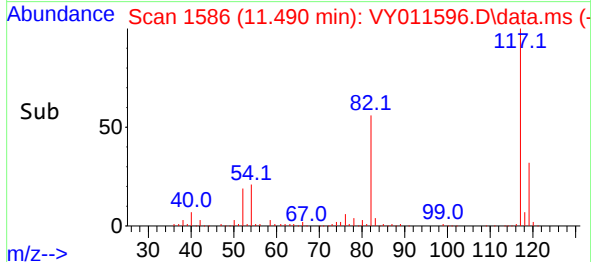
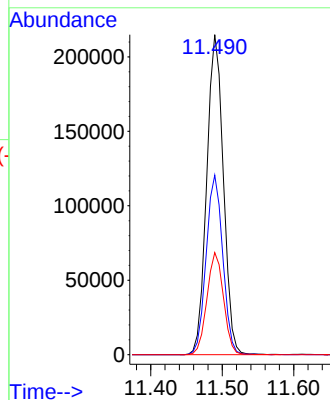
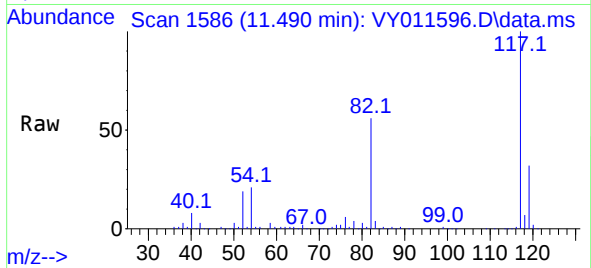




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

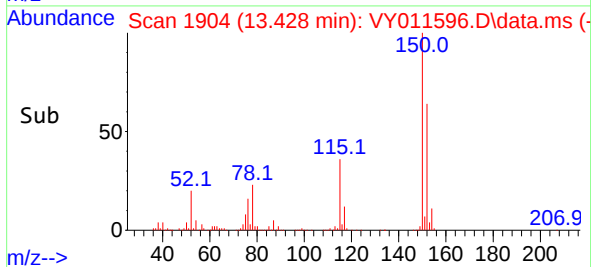
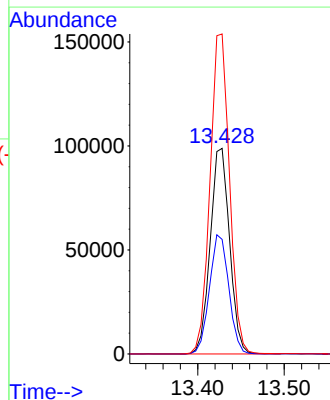
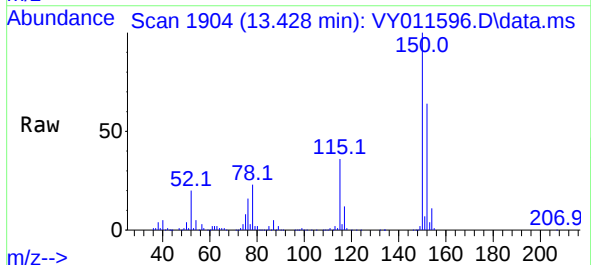
Instrument :
MSVOA_Y
ClientSampleId :
CR-5

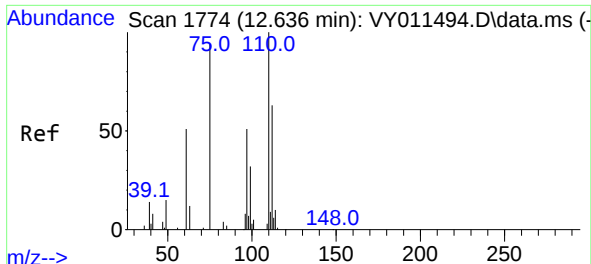
Tgt Ion:117 Resp: 347510
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Tgt Ion:152 Resp: 153685
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 156.5 0.0 347.6

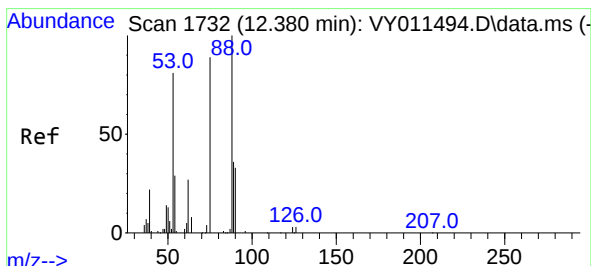
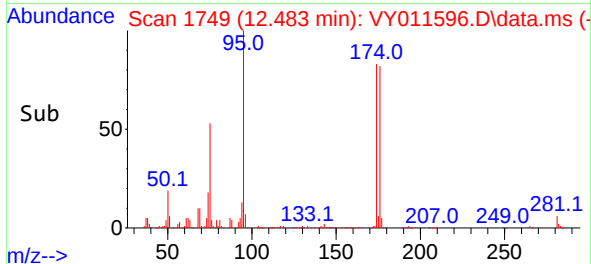
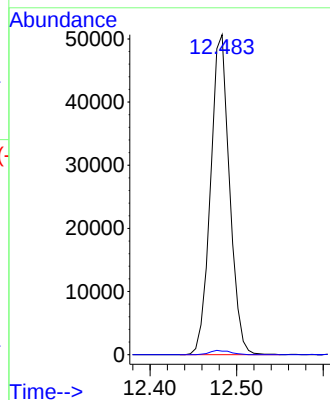
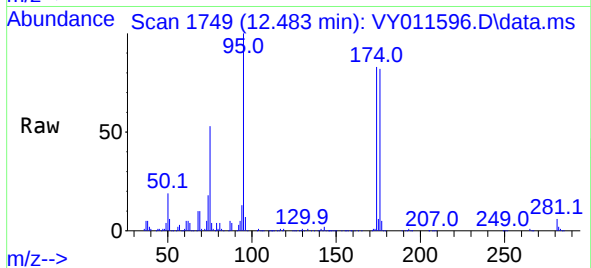




#76
1,2,3-Trichloropropane
Concen: 46.653 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

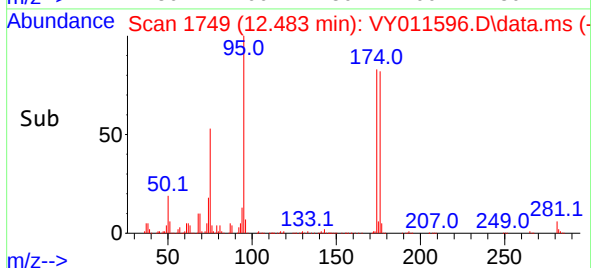
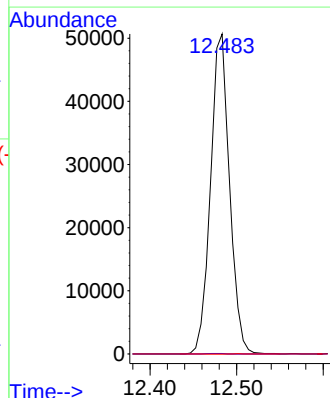
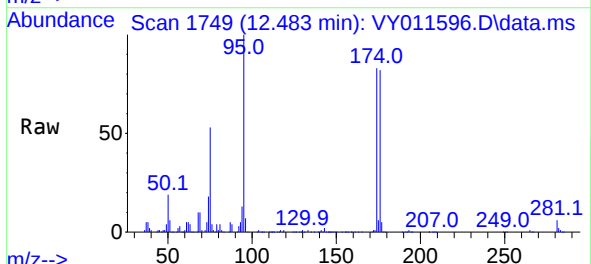
Instrument :
MSVOA_Y
ClientSampleId :
CR-5

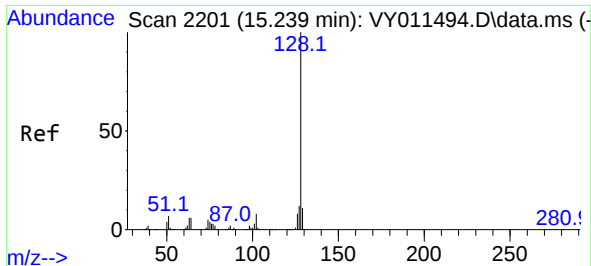
Tgt Ion: 75 Resp: 77214
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.185 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

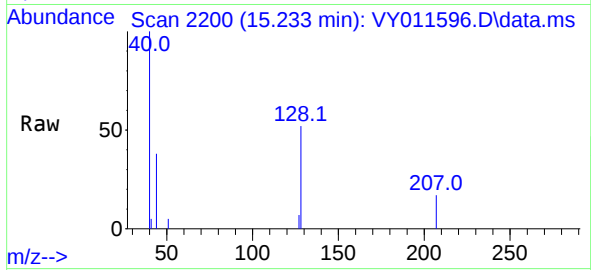
Tgt Ion: 75 Resp: 77214
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.159 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011596.D
Acq: 28 Nov 2022 12:26

Instrument :
MSVOA_Y
ClientSampleId :
CR-5



Tgt Ion:	128	Resp:	821
Ion	Ratio	Lower	Upper
128	100		
127	8.6	11.0	16.4#
129	0.0	8.4	12.6#

