

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012162.D
 Acq On : 11 Jan 2023 14:48
 Operator : KP/MD
 Sample : 01106-04RE
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B

Quant Time: Jan 12 05:50:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

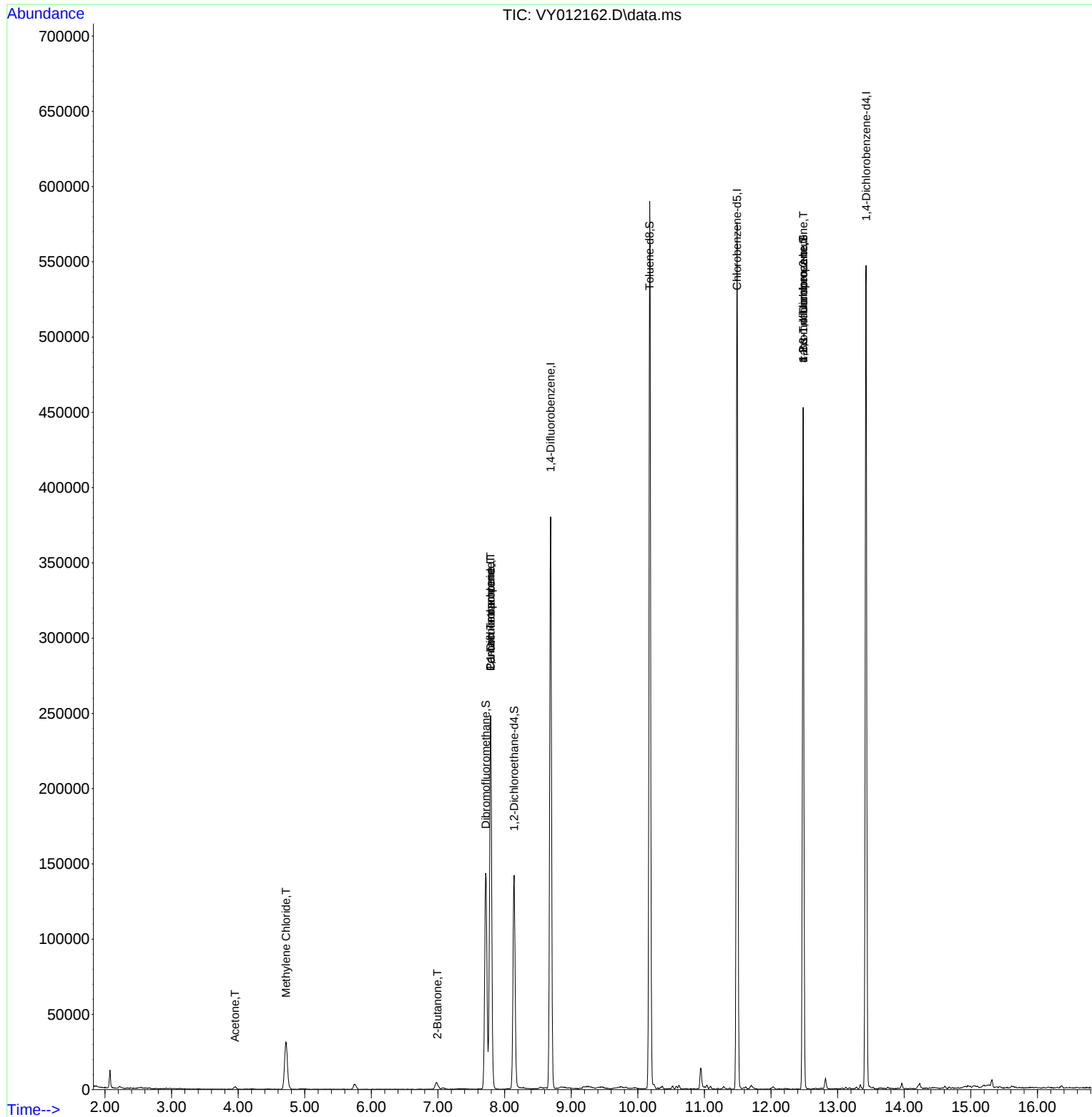
Internal Standards						
1) Pentafluorobenzene	7.789	168	195160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	317962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115235	52.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.715	113	101865	46.893	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.780%			
50) Toluene-d8	10.178	98	393713	45.919	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.840%			
62) 4-Bromofluorobenzene	12.483	95	134481	44.872	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.740%			
Target Compounds						
2) Dichlorodifluoromethane	1.899	85	19	Below Cal	#	41
3) Chloromethane	2.107	50	169	Below Cal	#	41
5) Bromomethane	2.674	94	140	Below Cal	#	1
11) Tert butyl alcohol	4.936	59	181	Below Cal	#	74
16) Acetone	3.954	43	2998	5.812	ug/l	100
17) Carbon Disulfide	4.180	76	40	Below Cal	#	75
20) Methylene Chloride	4.716	84	25712	6.661	ug/l	91
25) 2-Butanone	6.990	43	1452	2.133	ug/l #	88
31) Cyclohexane	7.789	56	3480	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13230	4.014	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19296	4.613	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	68769	40.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68769	88.952	ug/l #	13

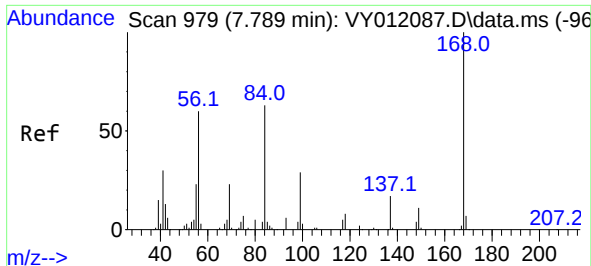
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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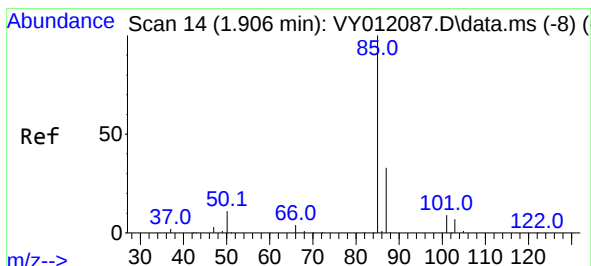
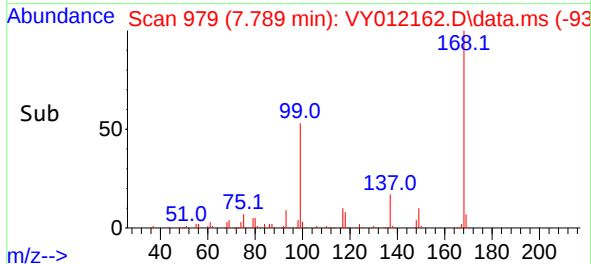
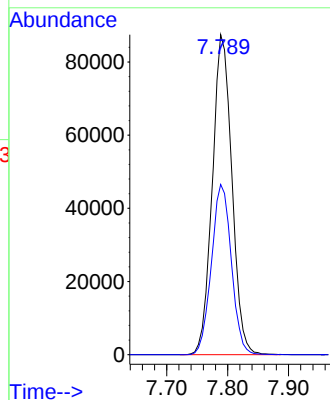
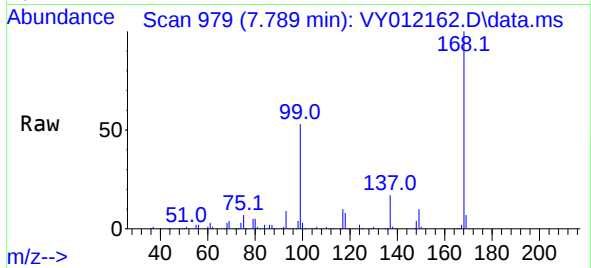




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

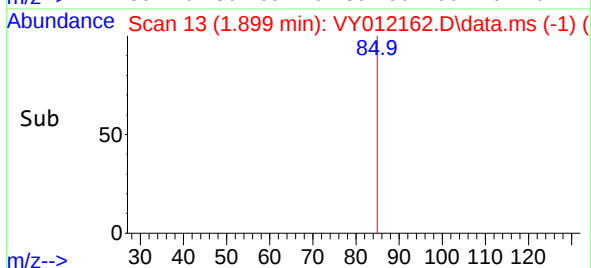
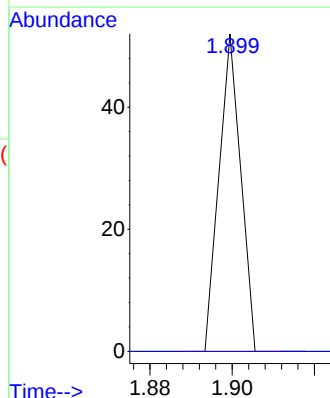
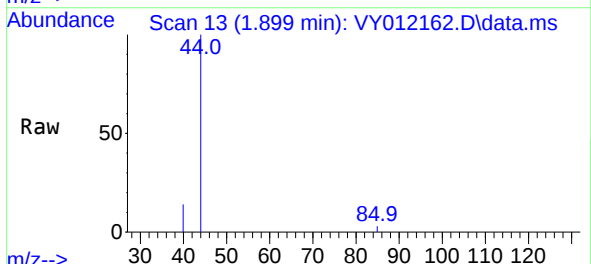
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

Tgt Ion:168 Resp: 195160
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0

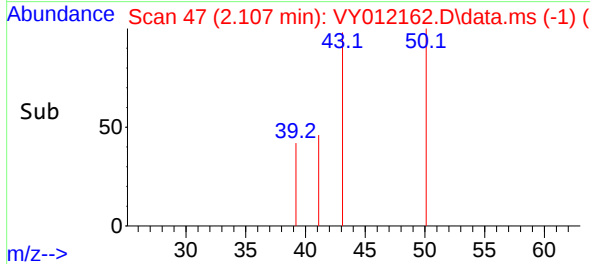
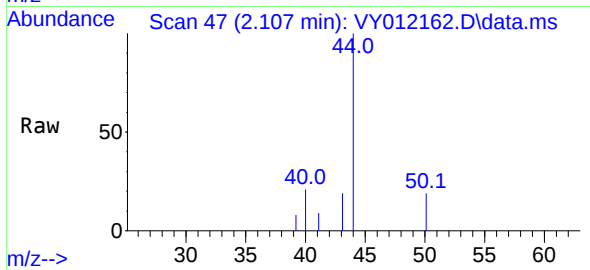
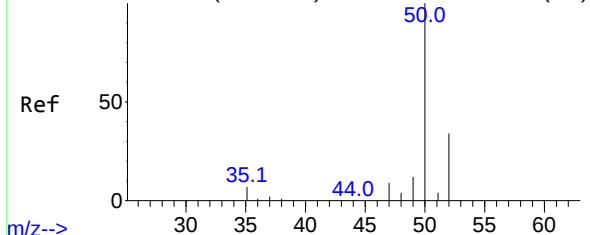


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.007 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012162.D

Acq: 11 Jan 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

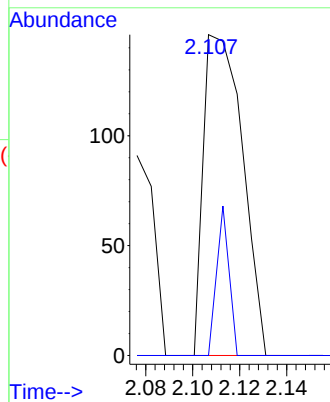
TP-B

Tgt Ion: 50 Resp: 169

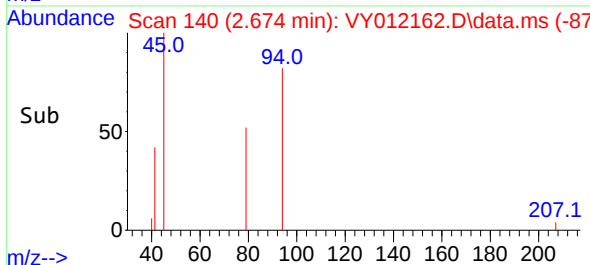
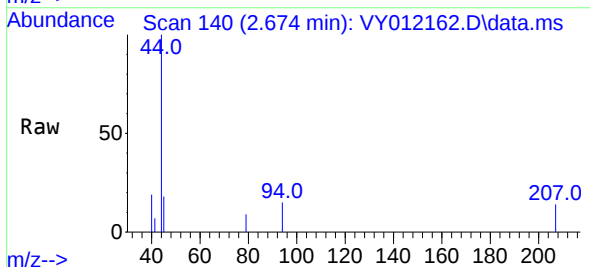
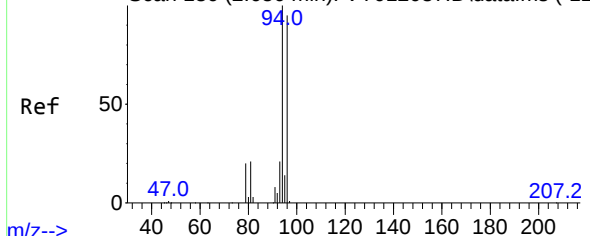
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.674 min Scan# 140

Delta R.T. 0.024 min

Lab File: VY012162.D

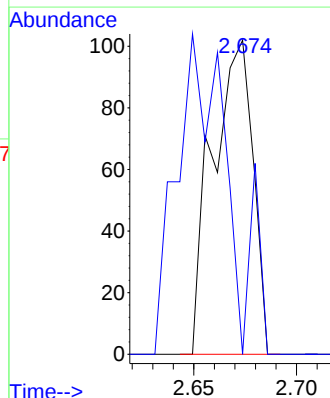
Acq: 11 Jan 2023 14:48

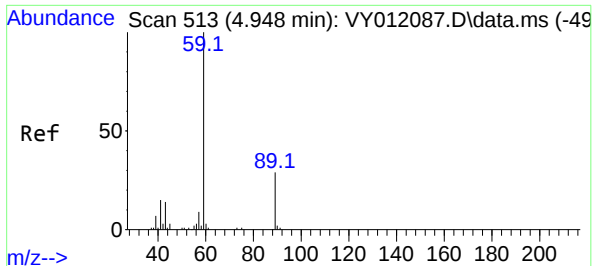
Tgt Ion: 94 Resp: 140

Ion Ratio Lower Upper

94 100

96 0.0 77.4 116.2#

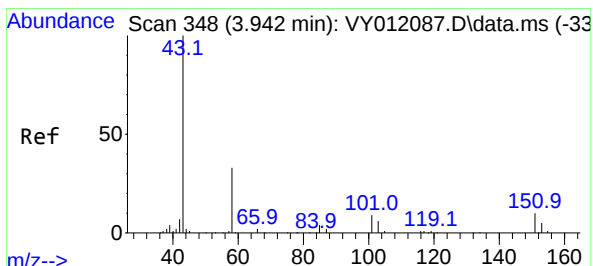
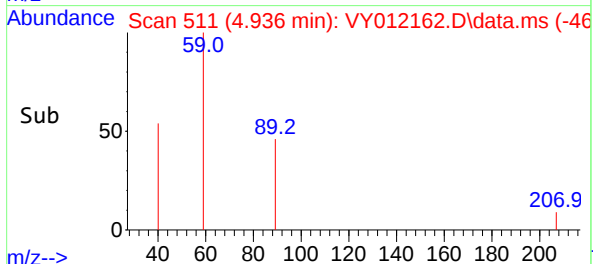
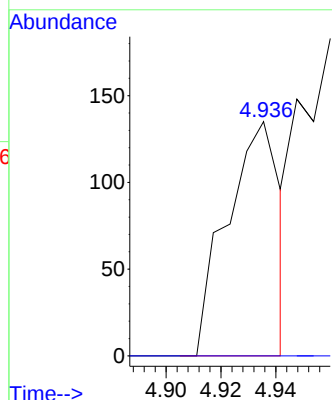
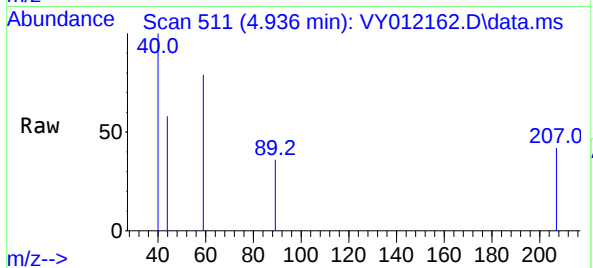




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

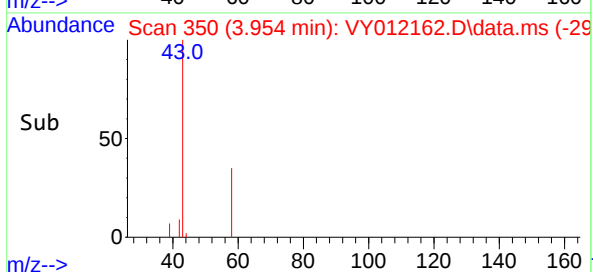
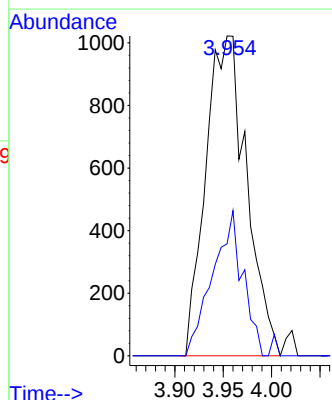
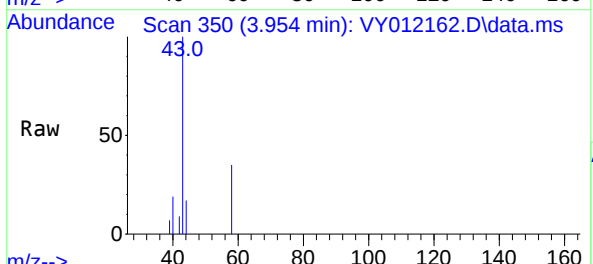
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

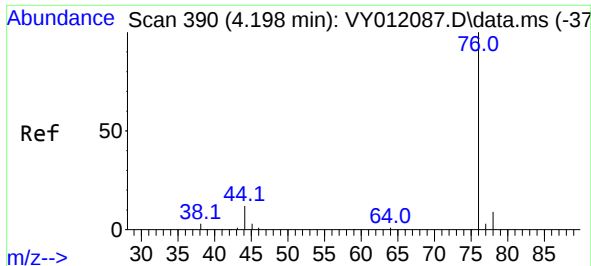
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.812 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

Tgt Ion: 43 Resp: 2998
Ion Ratio Lower Upper
43 100
58 35.0 27.9 41.9

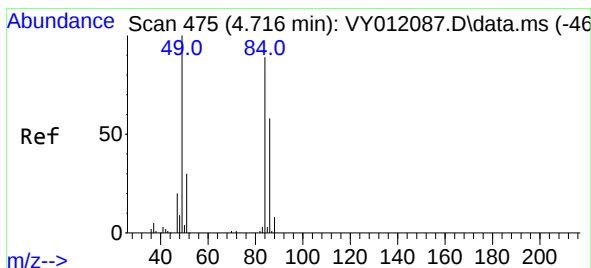
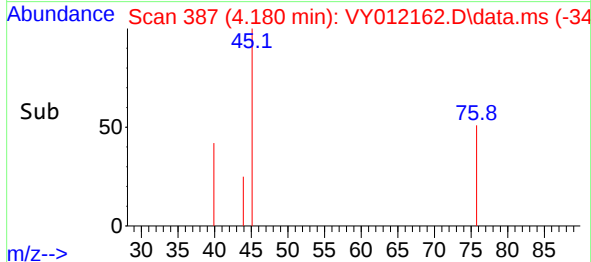
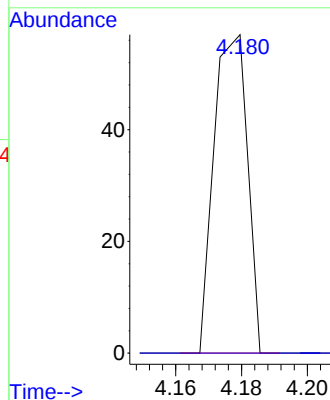
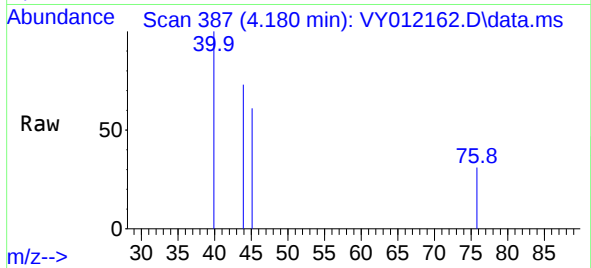




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 390
Delta R.T. -0.018 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

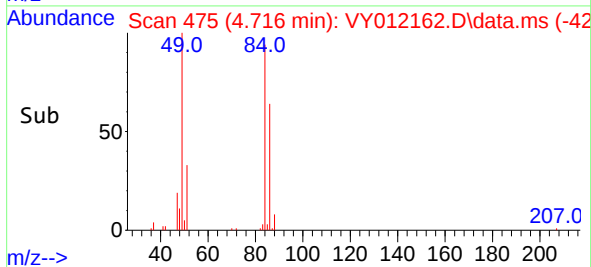
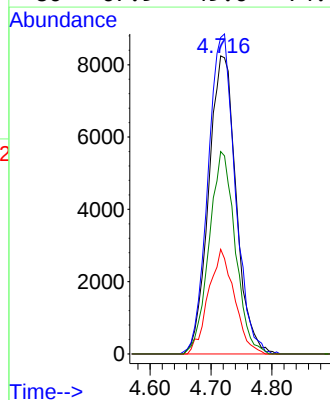
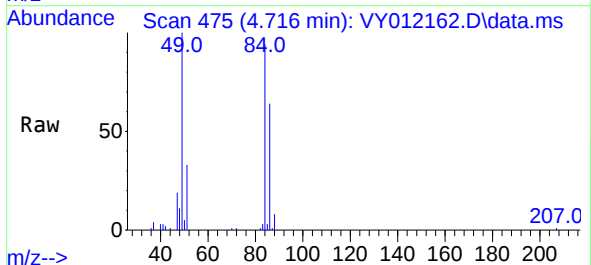
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

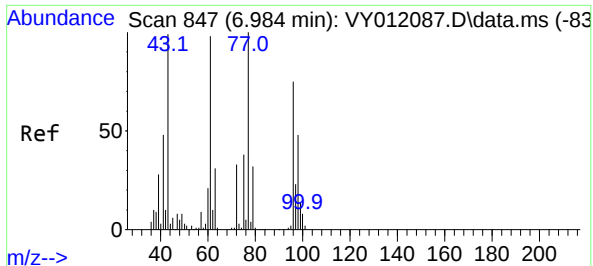
Tgt Ion: 76 Resp: 40
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

Tgt Ion: 84 Resp: 25712
Ion Ratio Lower Upper
84 100
49 106.2 95.4 143.2
51 35.1 29.9 44.9
86 67.9 49.6 74.4





#25

2-Butanone

Concen: 2.133 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012162.D

Acq: 11 Jan 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

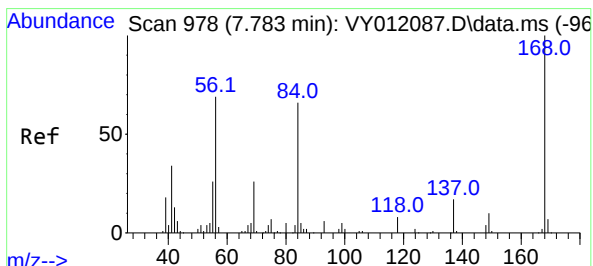
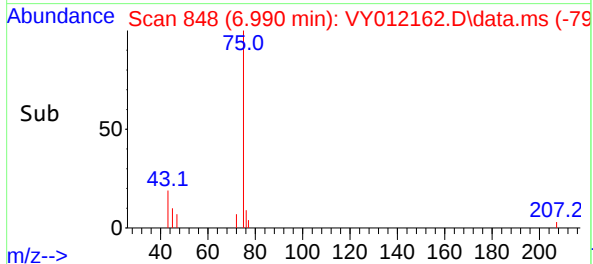
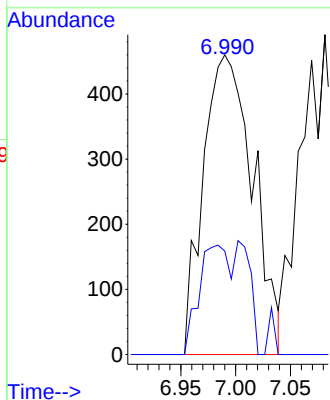
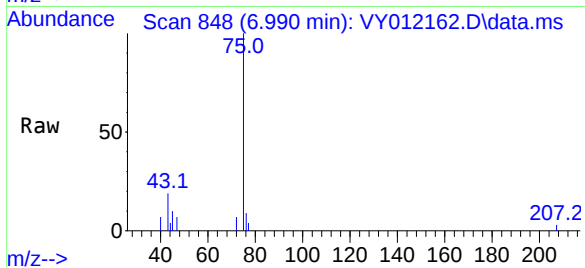
TP-B

Tgt Ion: 43 Resp: 1452

Ion Ratio Lower Upper

43 100

72 34.6 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012162.D

Acq: 11 Jan 2023 14:48

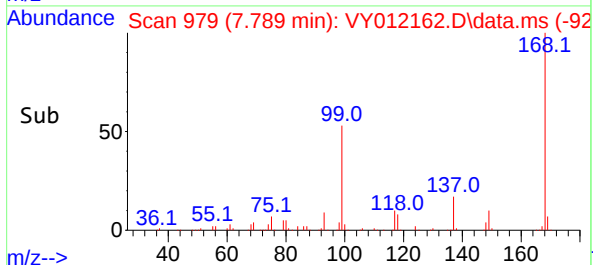
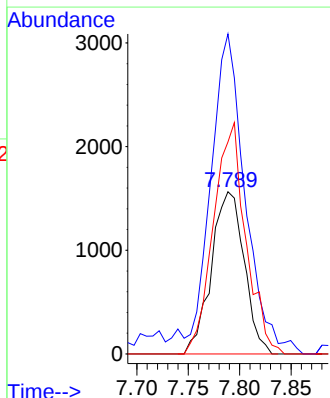
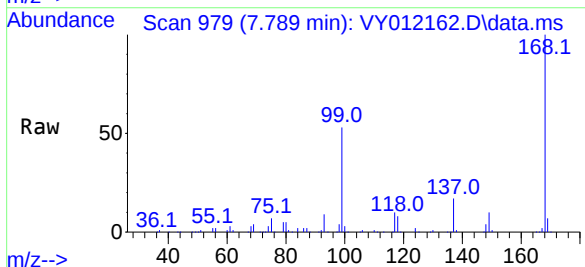
Tgt Ion: 56 Resp: 3480

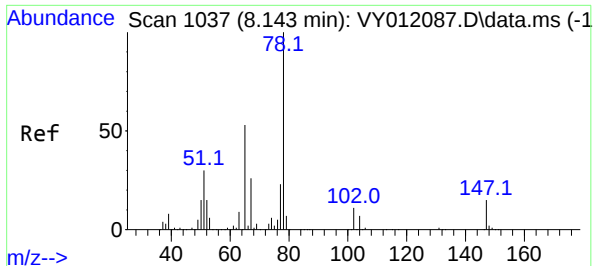
Ion Ratio Lower Upper

56 100

69 190.9 29.2 43.8#

84 130.7 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.548 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY012162.D

Acq: 11 Jan 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

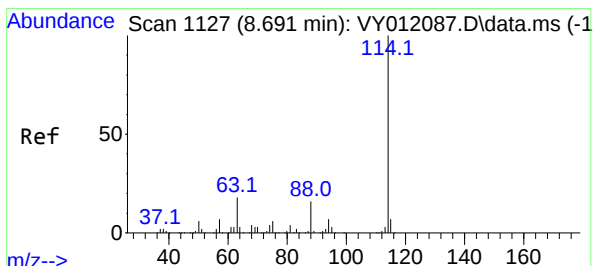
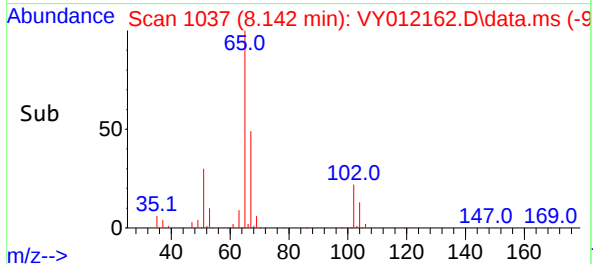
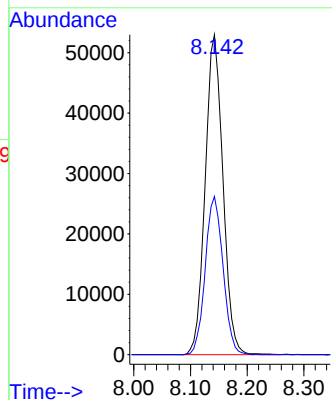
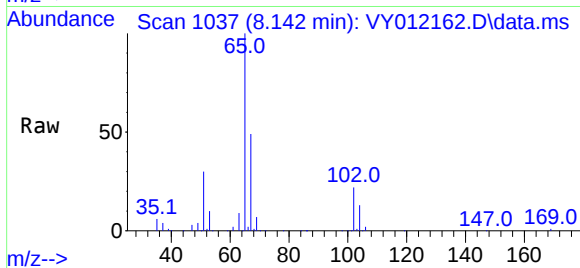
TP-B

Tgt Ion: 65 Resp: 115235

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012162.D

Acq: 11 Jan 2023 14:48

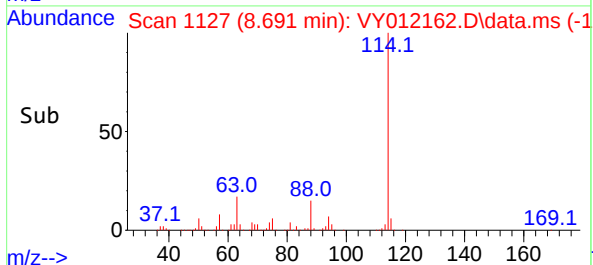
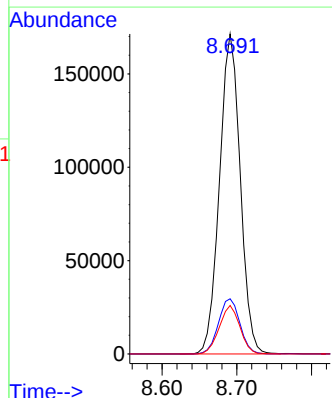
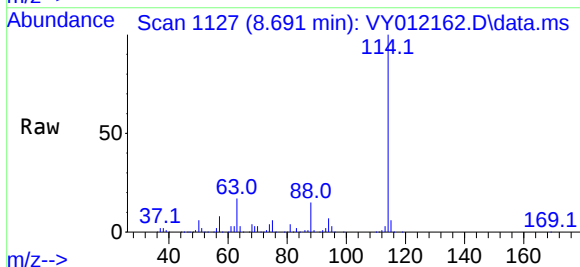
Tgt Ion:114 Resp: 330494

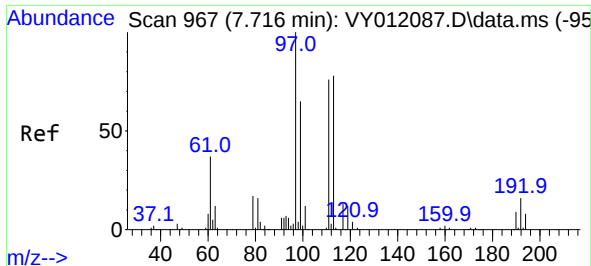
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 15.2 0.0 32.2

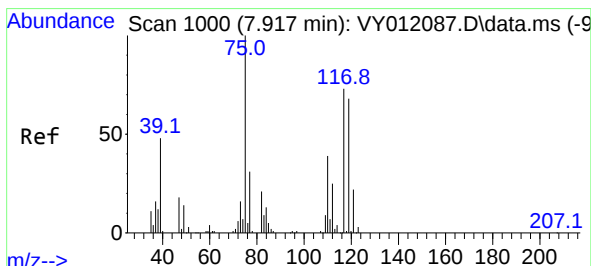
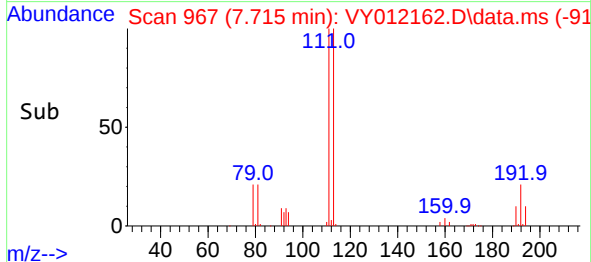
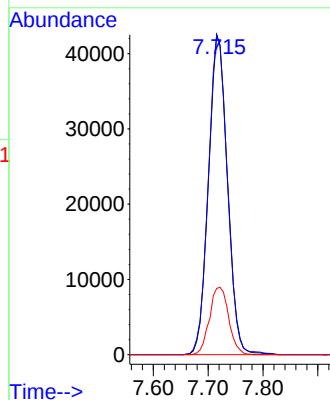
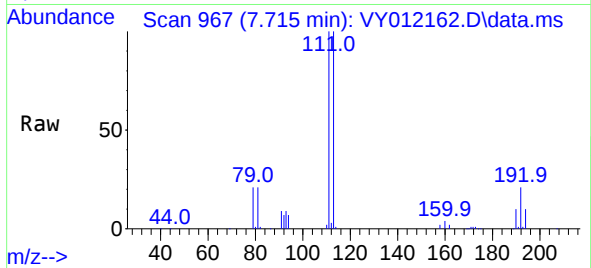




#35
Dibromofluoromethane
Concen: 46.893 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

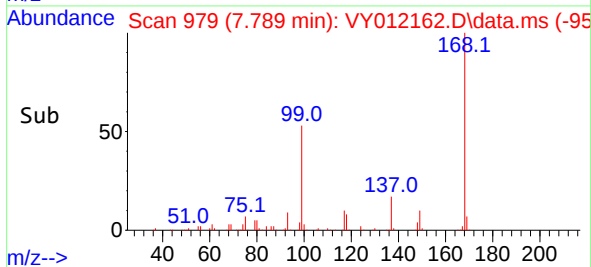
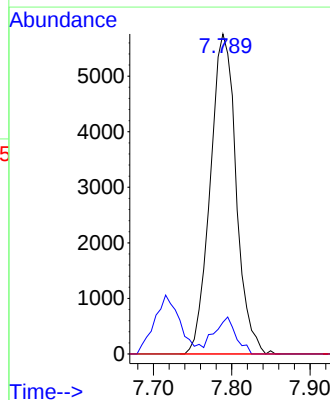
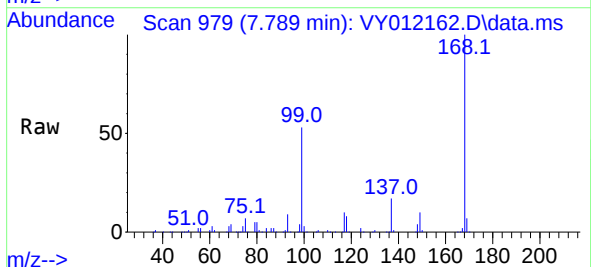
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

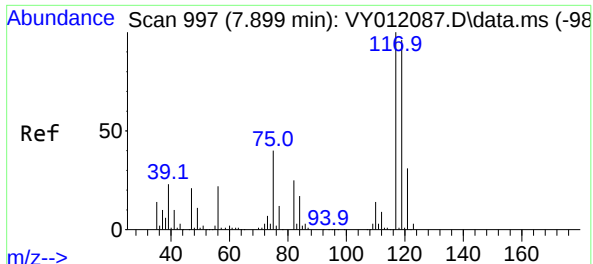
Tgt Ion:113 Resp: 101865
Ion Ratio Lower Upper
113 100
111 100.4 83.0 124.4
192 21.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.014 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

Tgt Ion: 75 Resp: 13230
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.1#
77 0.0 25.1 37.7#

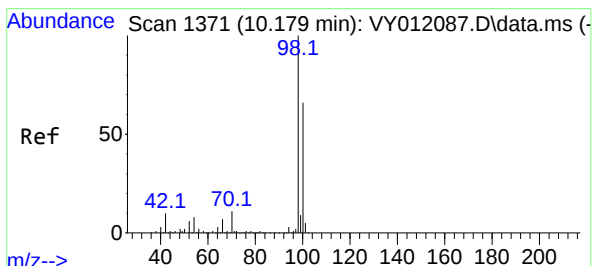
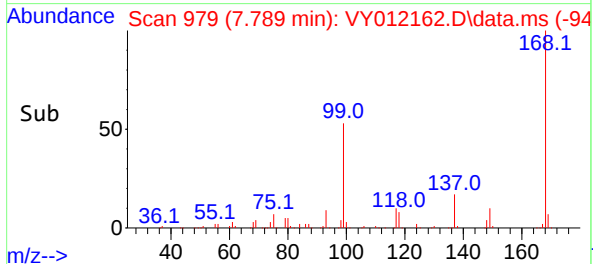
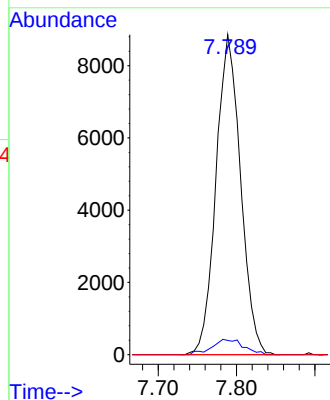
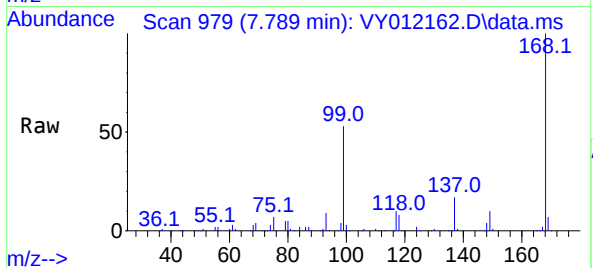




#38
Carbon Tetrachloride
Concen: 4.613 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

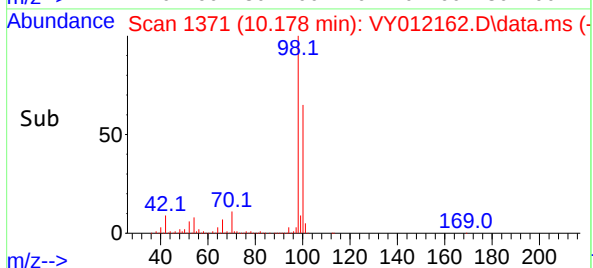
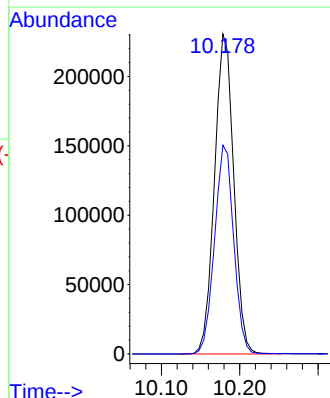
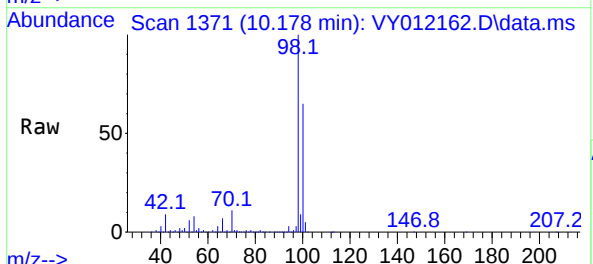
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

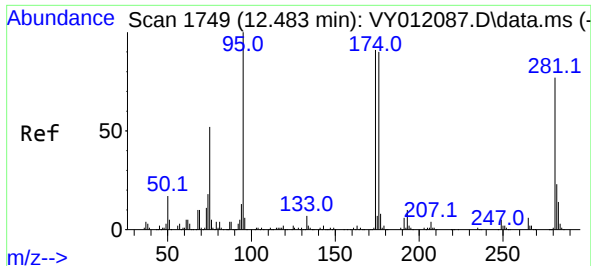
Tgt Ion:117 Resp: 19296
Ion Ratio Lower Upper
117 100
119 4.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.919 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

Tgt Ion: 98 Resp: 393713
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

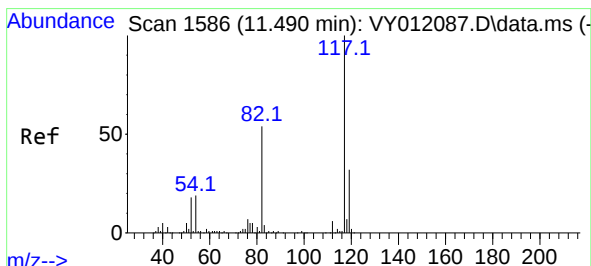
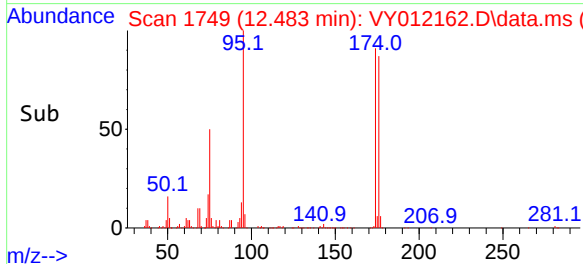
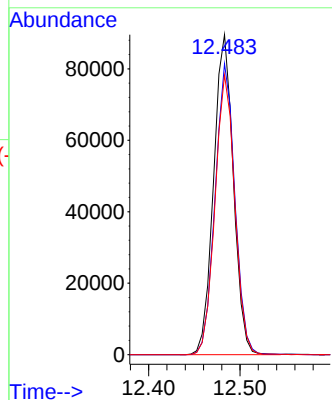
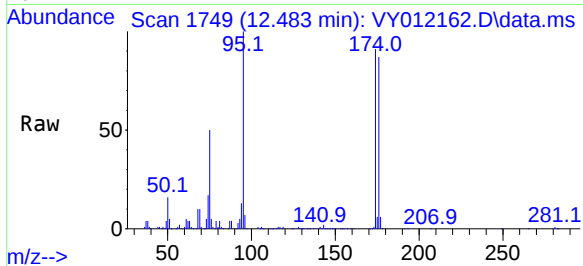




#62
4-Bromofluorobenzene
Concen: 44.872 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

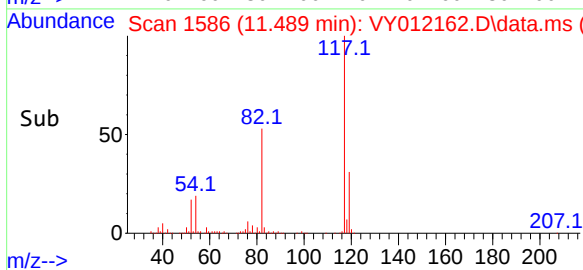
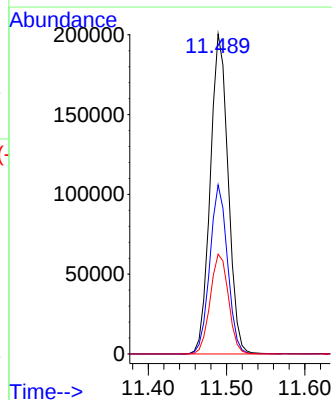
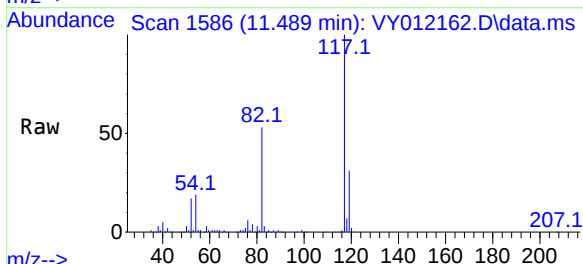
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

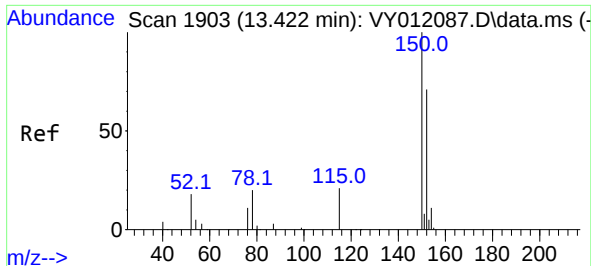
Tgt Ion: 95 Resp: 134481
Ion Ratio Lower Upper
95 100
174 90.9 0.0 172.0
176 87.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

Tgt Ion: 117 Resp: 317962
Ion Ratio Lower Upper
117 100
82 52.9 44.8 67.2
119 31.2 25.4 38.2

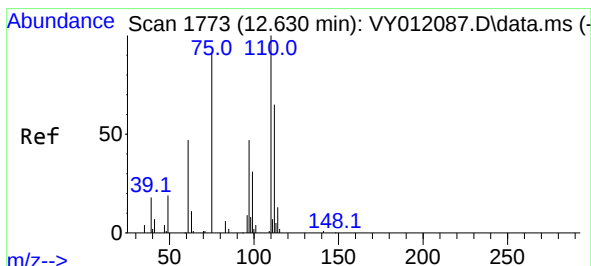
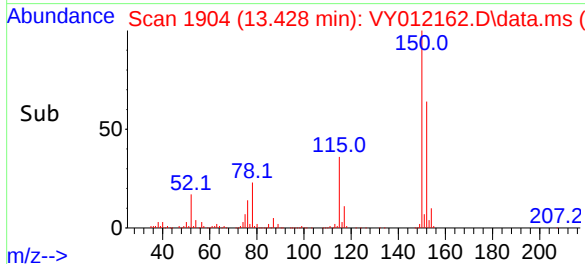
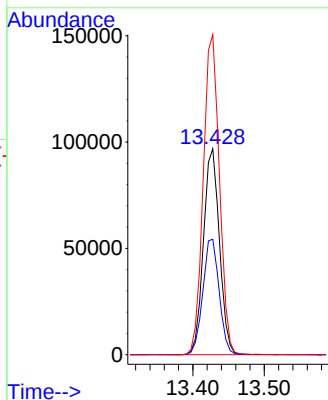
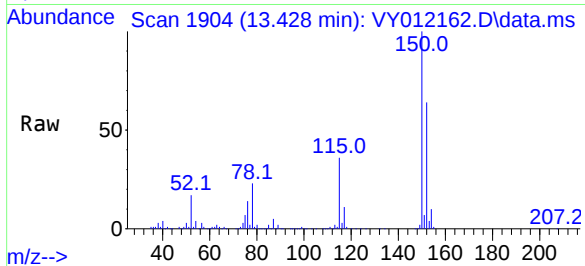




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

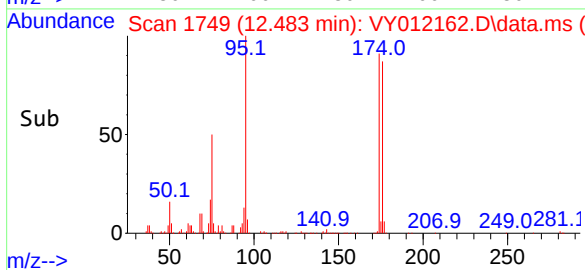
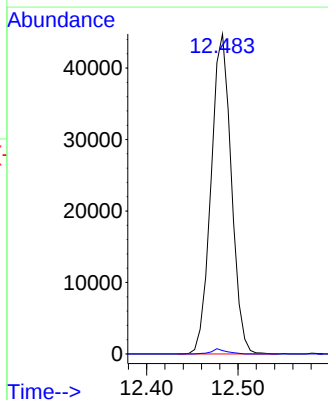
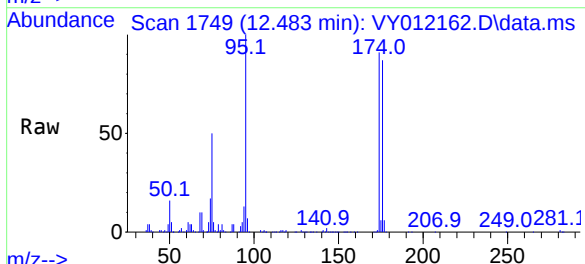
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

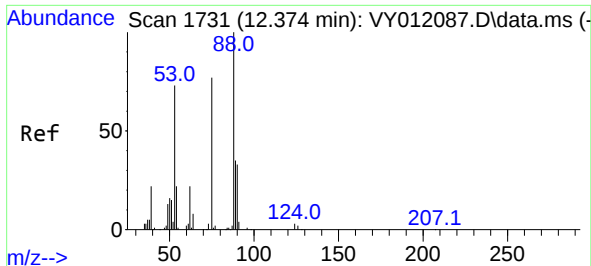
Tgt Ion:152 Resp: 150372
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 157.4 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 40.053 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012162.D
Acq: 11 Jan 2023 14:48

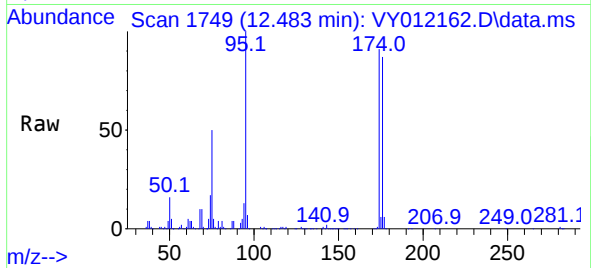
Tgt Ion: 75 Resp: 68769
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.952 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012162.D
 Acq: 11 Jan 2023 14:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B



Tgt Ion: 75 Resp: 68769
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

