

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009686.D
 Acq On : 25 Jul 2022 15:50
 Operator : KP/MD
 Sample : N3857-02
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Jul 26 05:57:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

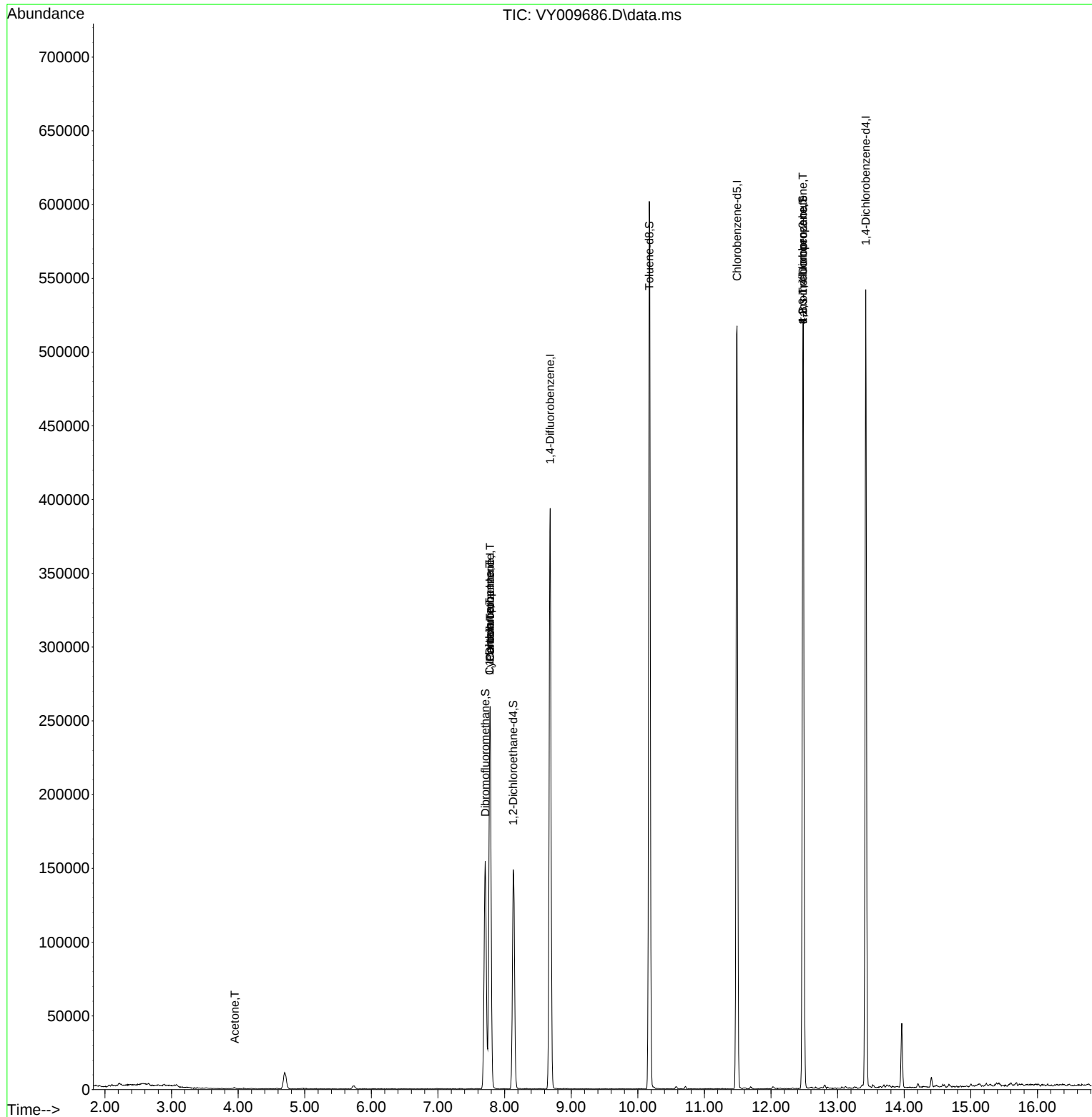
Internal Standards						
1) Pentafluorobenzene	7.783	168	216979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	116412	56.728	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.460%	
35) Dibromofluoromethane	7.709	113	110010	50.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.280%	
50) Toluene-d8	10.172	98	404576	47.962	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 95.920%	
62) 4-Bromofluorobenzene	12.477	95	128324	46.948	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 93.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	714	Below Cal	#	77
16) Acetone	3.948	43	1254	2.416	ug/l #	73
20) Methylene Chloride	4.698	84	8962	Below Cal	#	75
31) Cyclohexane	7.777	56	3624	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13975	4.310	ug/l #	52
38) Carbon Tetrachloride	7.783	117	18935	5.578	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	65916	48.908	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65916	96.436	ug/l #	8

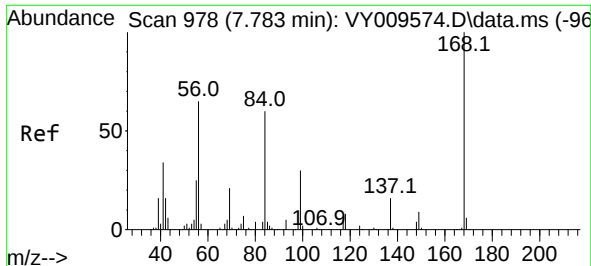
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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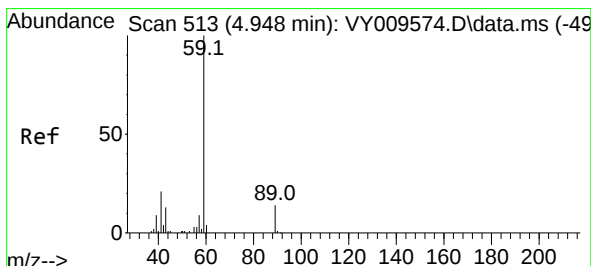
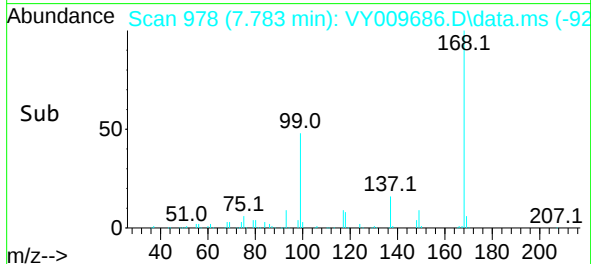
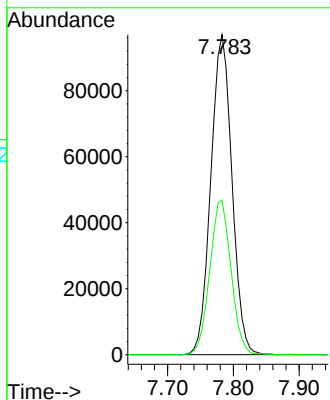
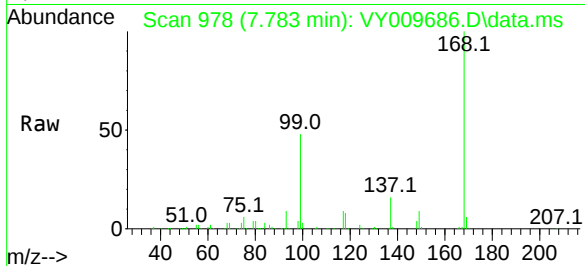




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

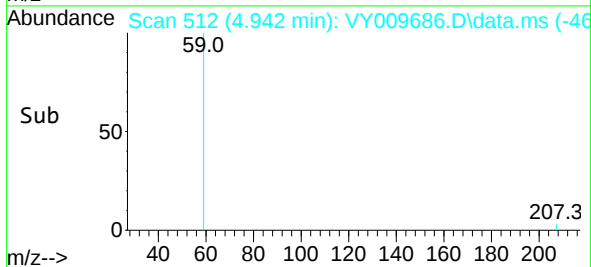
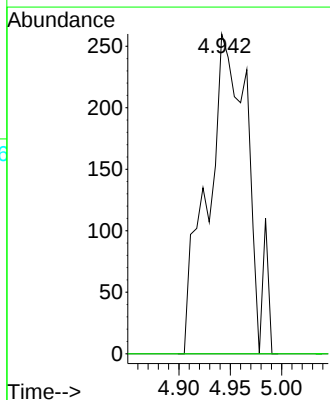
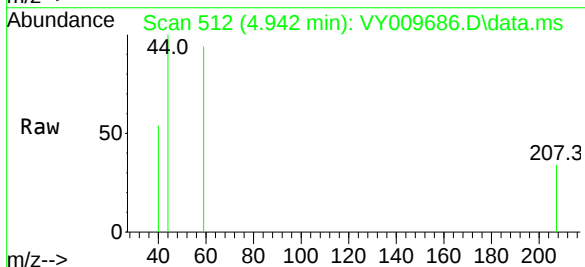
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

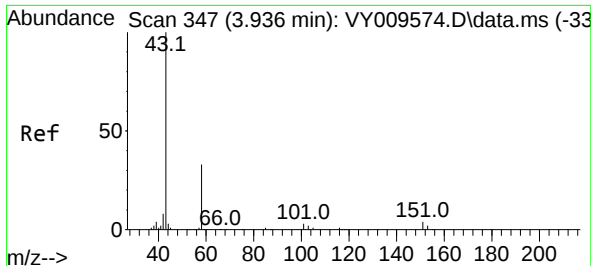
Tgt Ion:168 Resp: 216979
Ion Ratio Lower Upper
168 100
99 48.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

Tgt Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.416 ug/l

RT: 3.948 min Scan# 347

Delta R.T. 0.012 min

Lab File: VY009686.D

Acq: 25 Jul 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

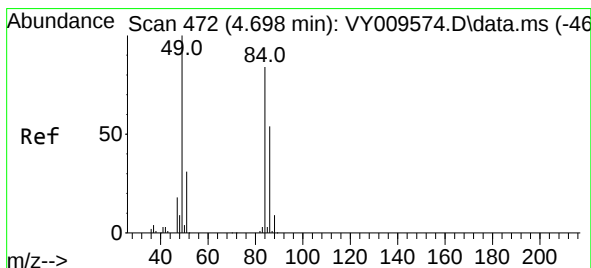
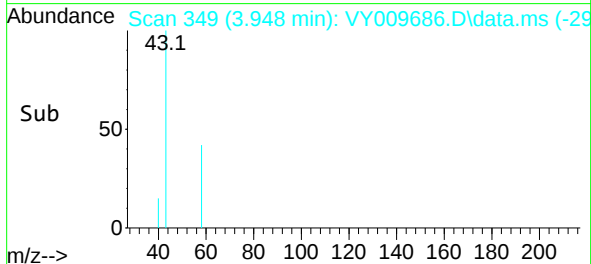
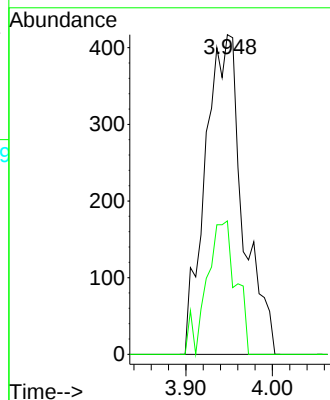
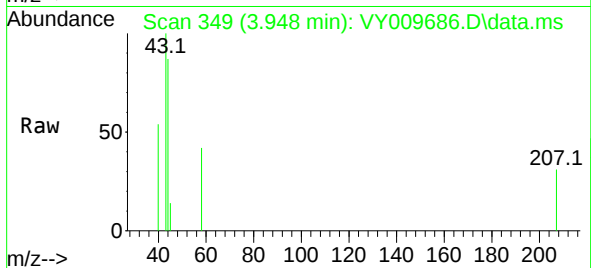
TP-4

Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

43 100

58 41.7 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.000 min

Lab File: VY009686.D

Acq: 25 Jul 2022 15:50

Tgt Ion: 84 Resp: 8962

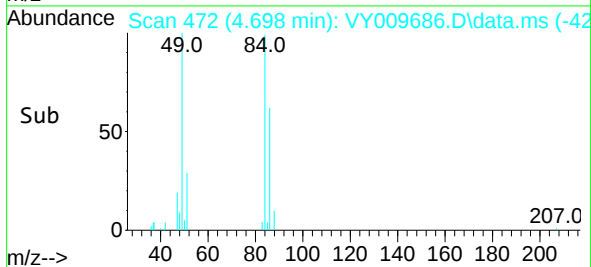
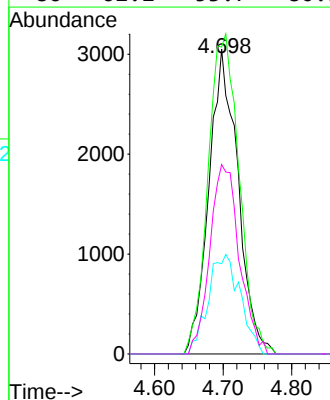
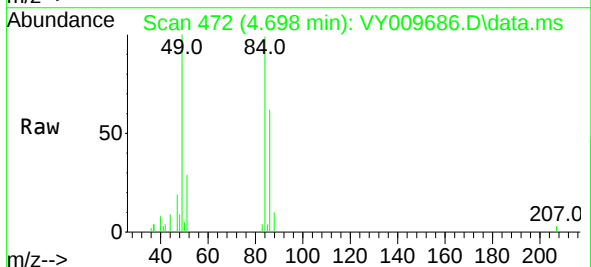
Ion Ratio Lower Upper

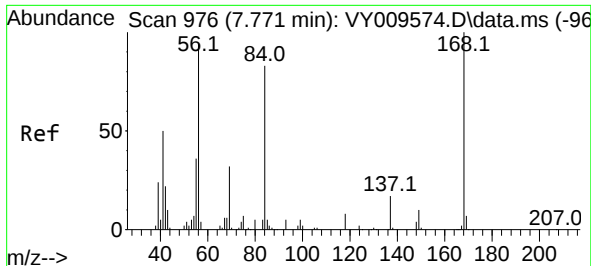
84 100

49 100.6 114.4 171.6#

51 29.6 35.3 52.9#

86 62.2 53.7 80.5

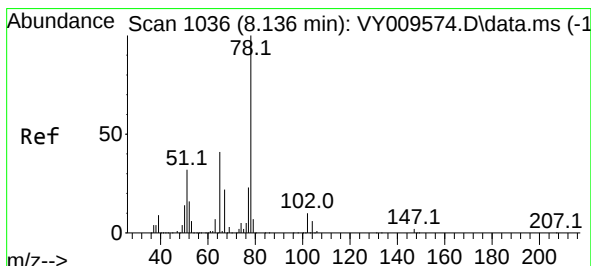
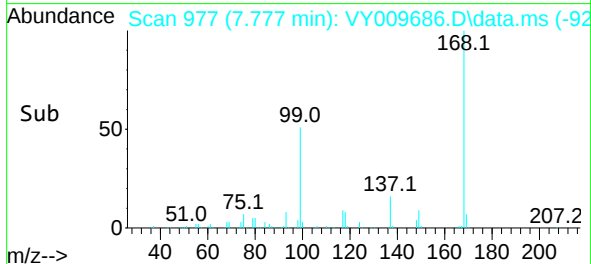
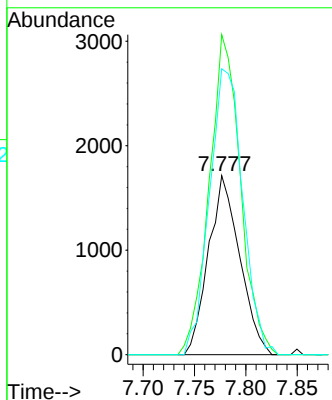
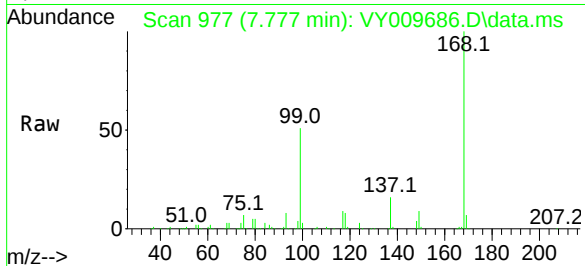




#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

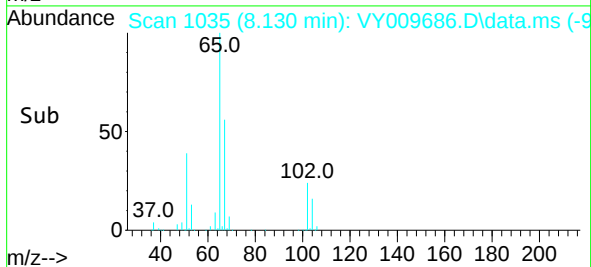
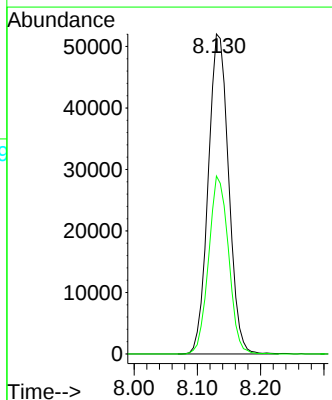
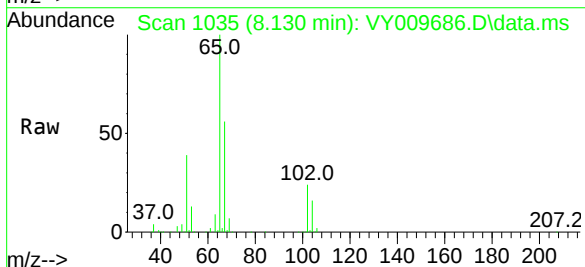
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

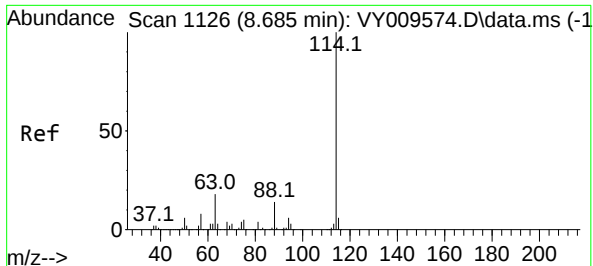
Tgt Ion: 56 Resp: 3624
Ion Ratio Lower Upper
56 100
69 178.7 26.7 40.1#
84 159.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.728 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

Tgt Ion: 65 Resp: 116412
Ion Ratio Lower Upper
65 100
67 54.3 0.0 99.4

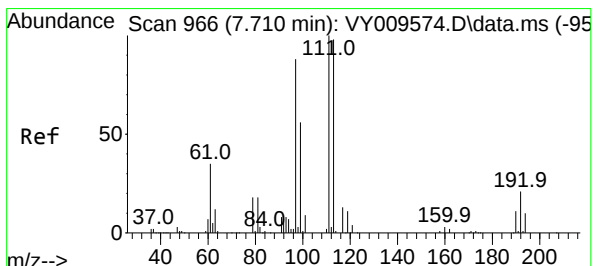
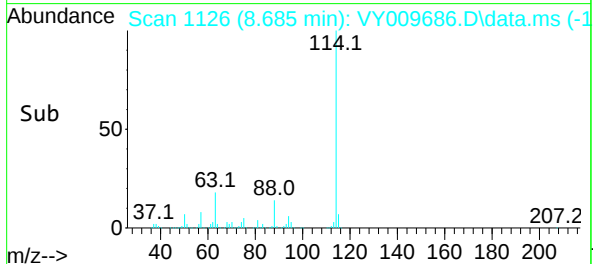
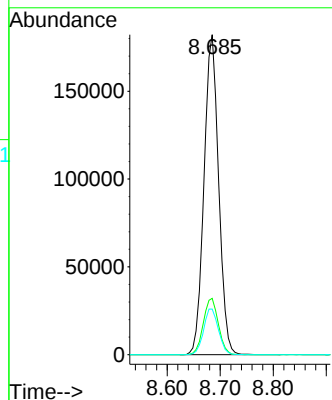
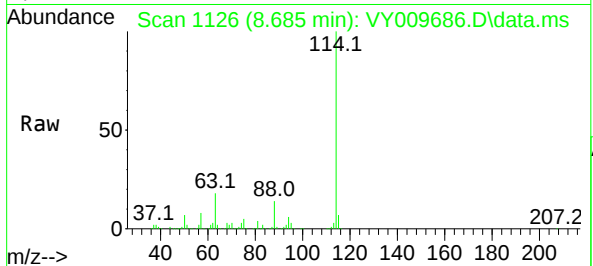




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

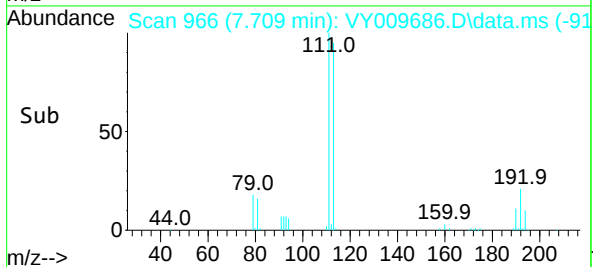
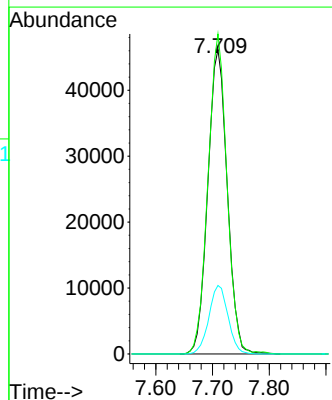
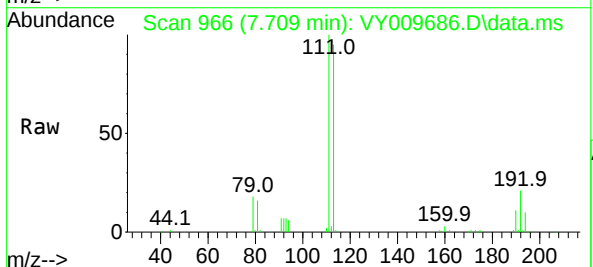
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

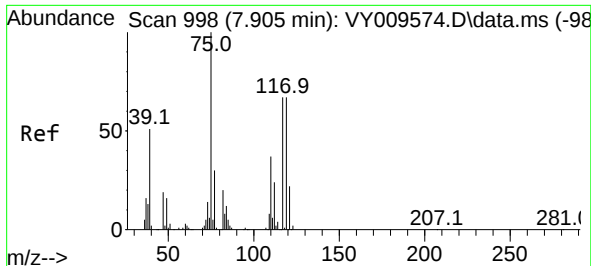
Tgt Ion:114 Resp: 348298
Ion Ratio Lower Upper
114 100
63 17.6 0.0 43.2
88 14.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.135 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

Tgt Ion:113 Resp: 110010
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 22.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.310 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009686.D

Acq: 25 Jul 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

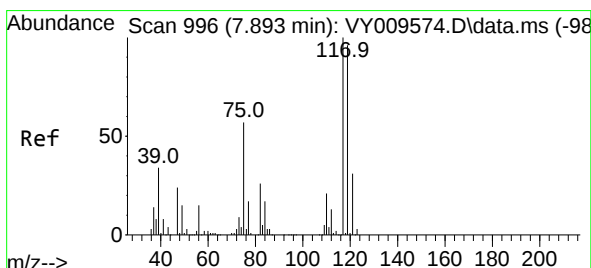
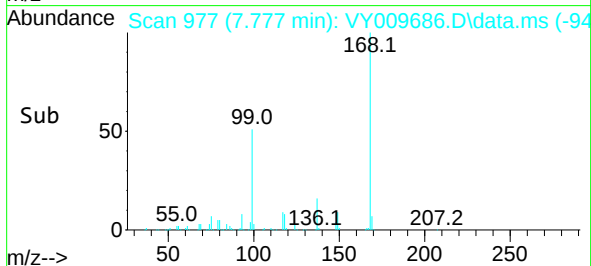
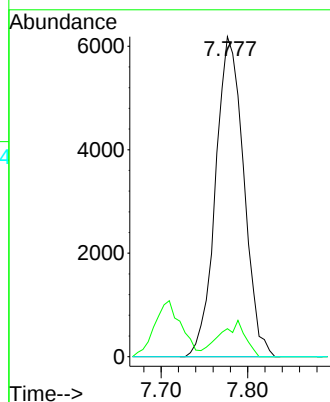
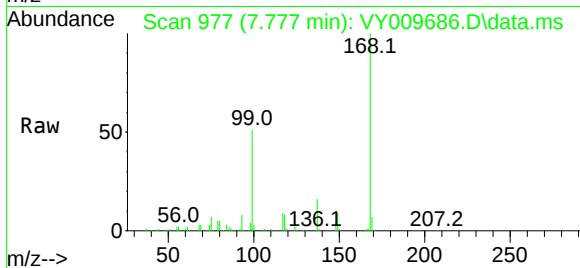
Tgt Ion: 75 Resp: 13975

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009686.D

Acq: 25 Jul 2022 15:50

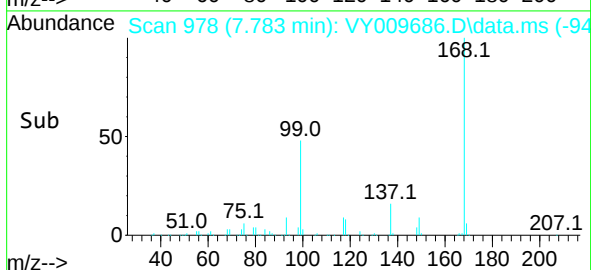
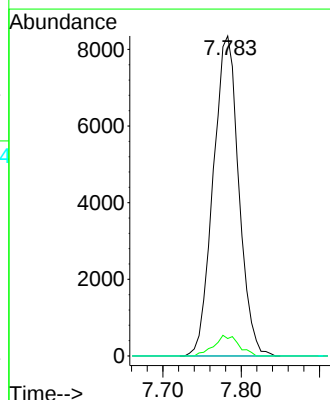
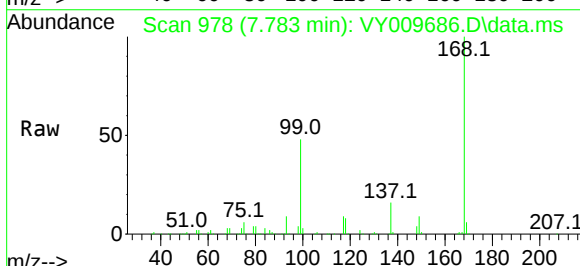
Tgt Ion: 117 Resp: 18935

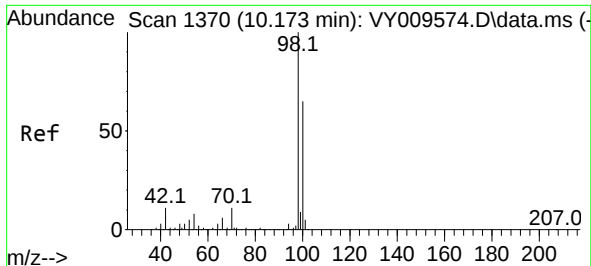
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

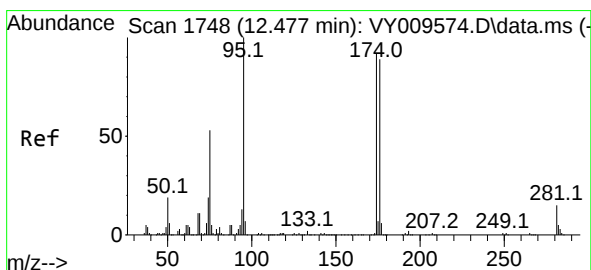
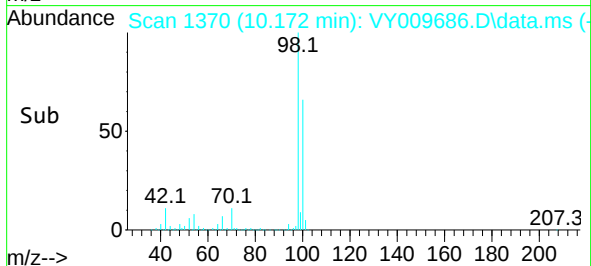
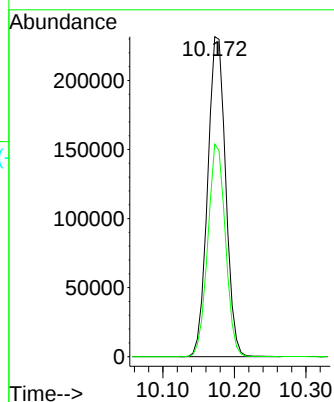
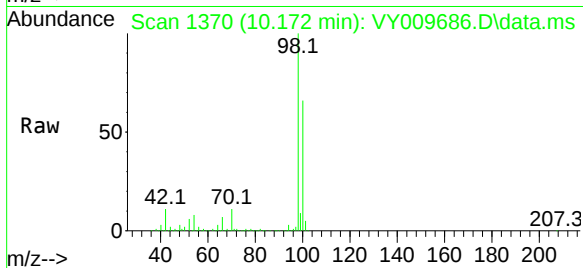




#50
Toluene-d8
Concen: 47.962 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

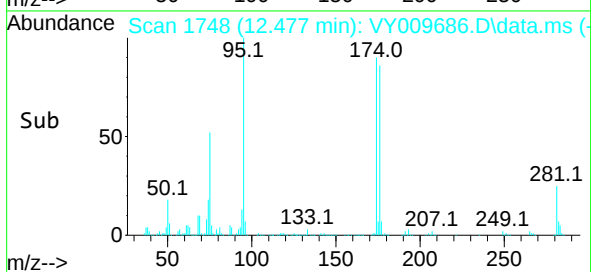
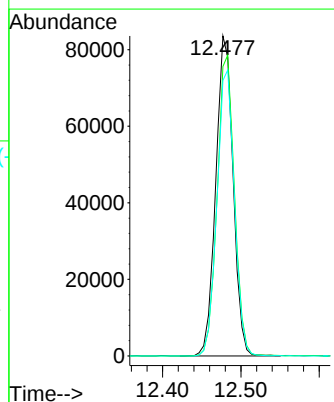
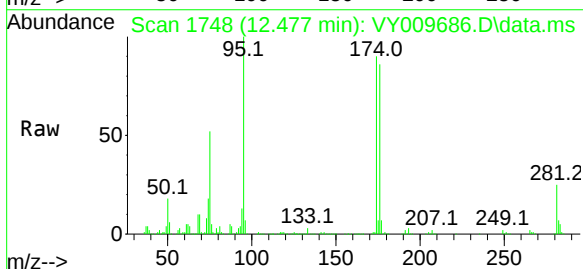
Instrument :
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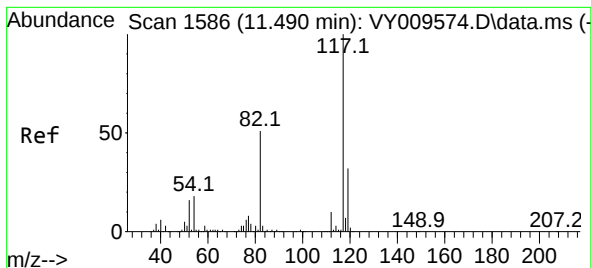
Tgt Ion: 98 Resp: 404576
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.948 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

Tgt Ion: 95 Resp: 128324
Ion Ratio Lower Upper
95 100
174 93.9 0.0 177.0
176 90.4 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: VY009686.D

Acq: 25 Jul 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

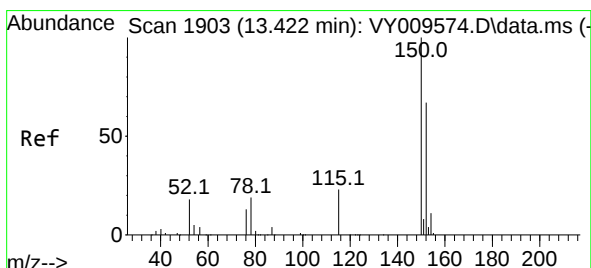
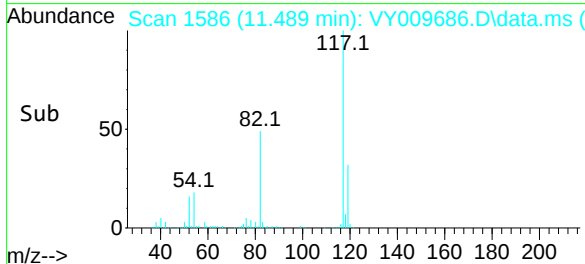
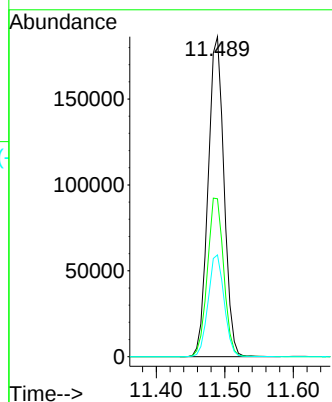
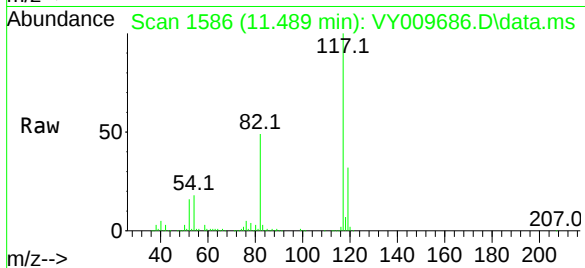
Tgt Ion:117 Resp: 300644

Ion Ratio Lower Upper

117 100

82 49.4 43.0 64.4

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009686.D

Acq: 25 Jul 2022 15:50

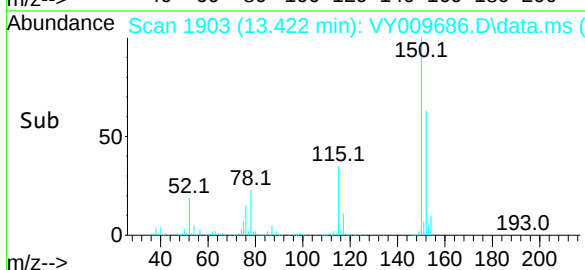
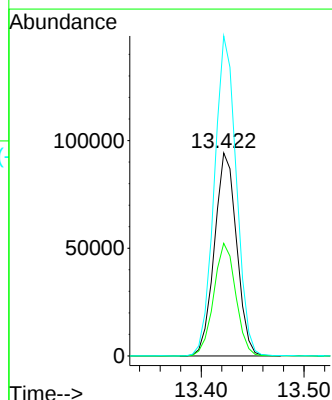
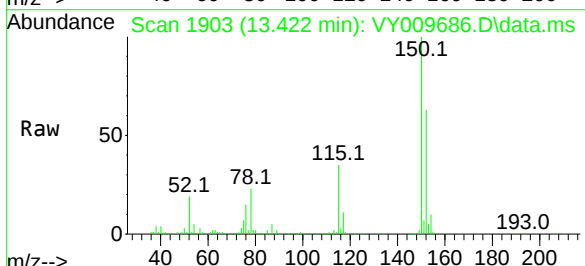
Tgt Ion:152 Resp: 141481

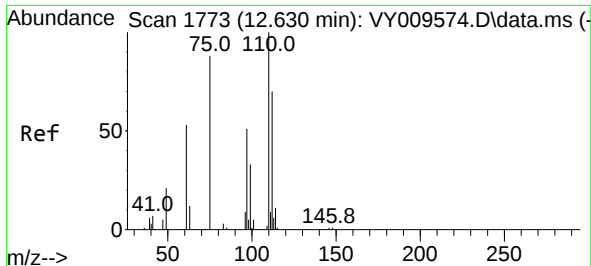
Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 156.6 0.0 347.6

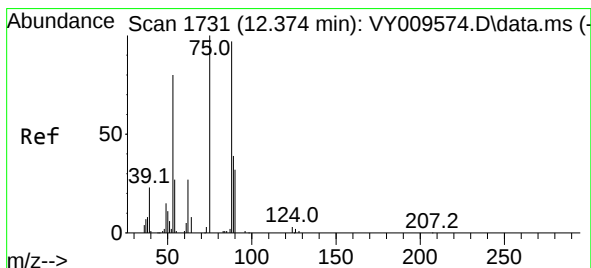
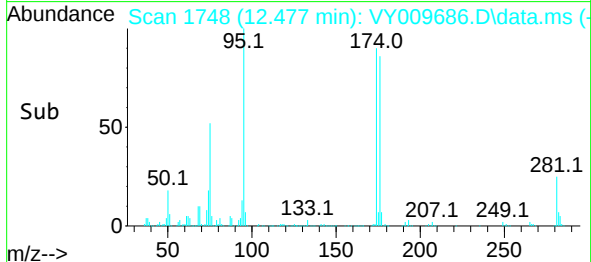
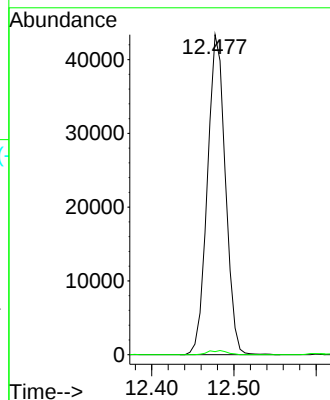
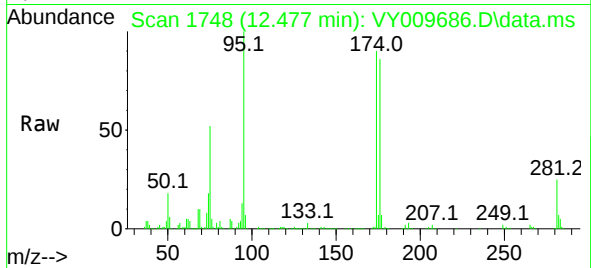




#76
1,2,3-Trichloropropane
Concen: 48.908 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 65916
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.436 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009686.D
Acq: 25 Jul 2022 15:50

Tgt Ion: 75 Resp: 65916
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.6 37.0 55.4#

