

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072122\
 Data File : VY009644.D
 Acq On : 21 Jul 2022 19:35
 Operator : KP/MD
 Sample : N3834-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-191E

Quant Time: Jul 22 02:31:39 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)

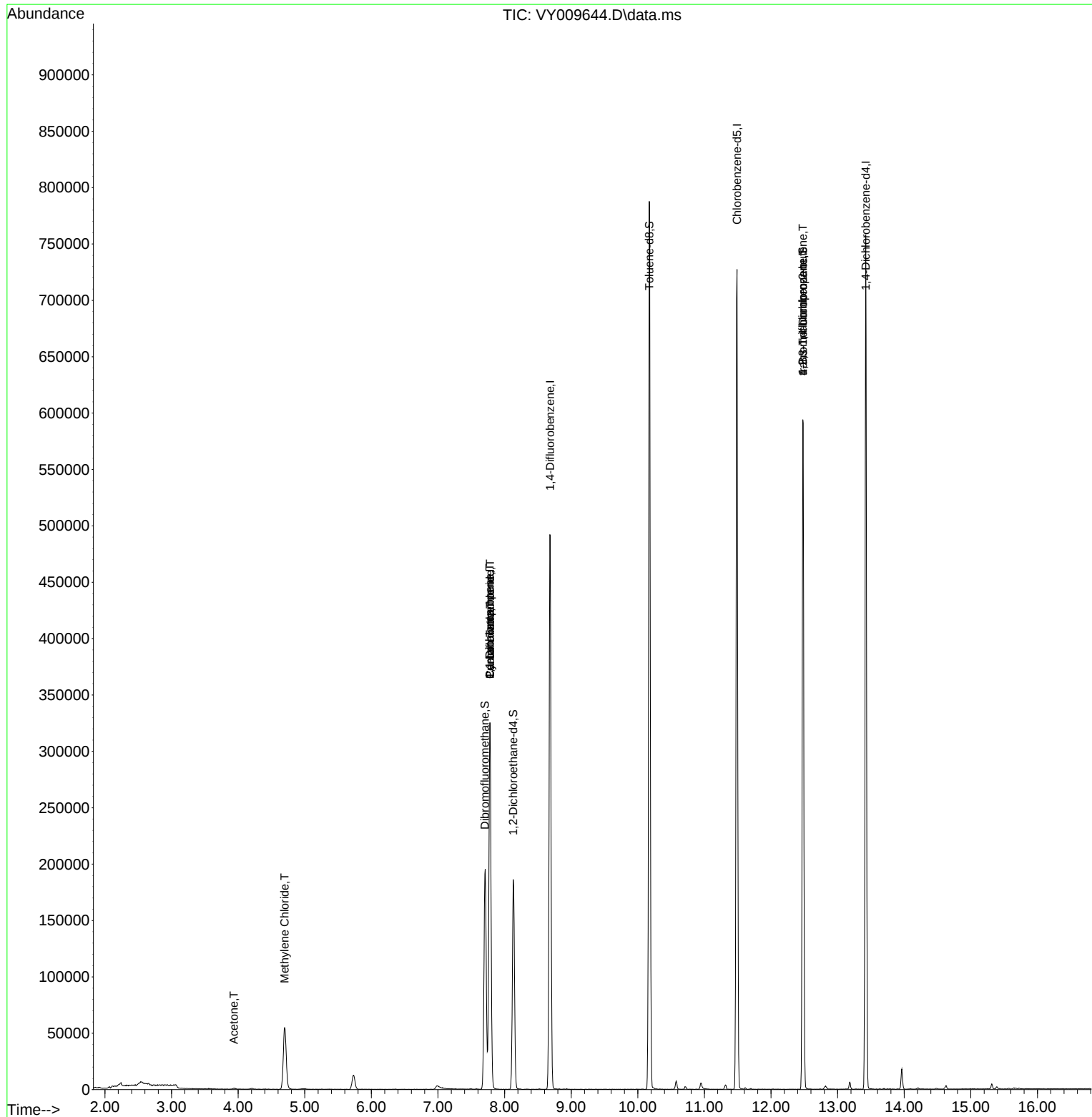
Internal Standards						
1) Pentafluorobenzene	7.783	168	269924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	446151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	423770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	143095	56.054	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.100%
35) Dibromofluoromethane	7.704	113	139493	49.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.260%
50) Toluene-d8	10.173	98	513684	47.540	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	95.080%
62) 4-Bromofluorobenzene	12.477	95	167395	47.810	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	95.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	891	Below Cal	#	77
16) Acetone	3.936	43	1423	2.204	ug/l #	84
20) Methylene Chloride	4.698	84	44773	4.885	ug/l #	79
31) Cyclohexane	7.783	56	4624	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	18197	4.381	ug/l #	51
38) Carbon Tetrachloride	7.783	117	24348	5.600	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	83630	44.436	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83630	87.618	ug/l #	7

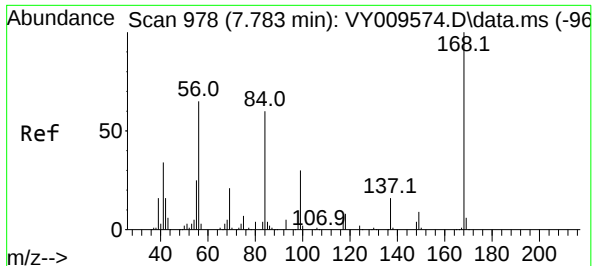
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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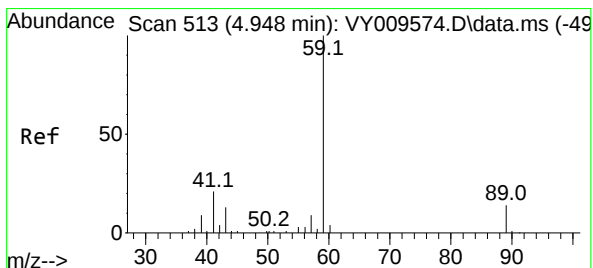
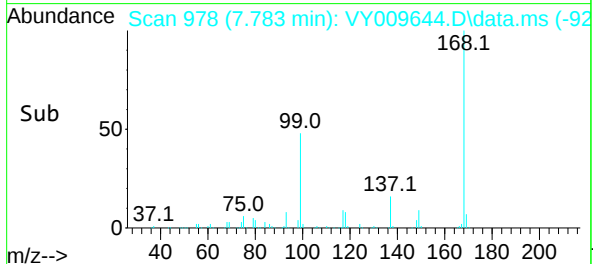
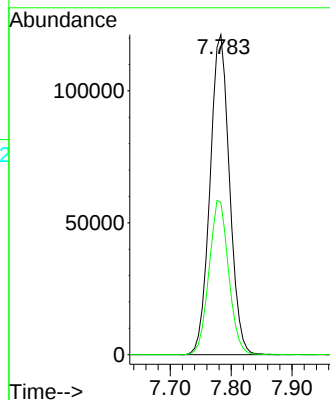
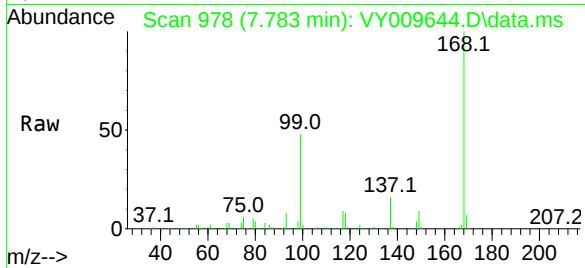




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

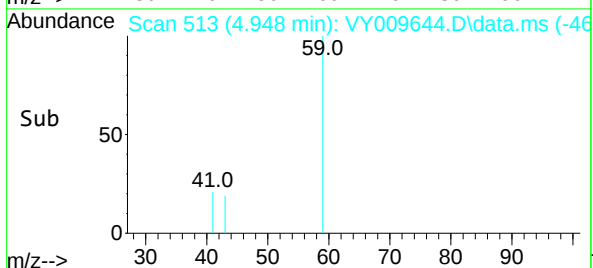
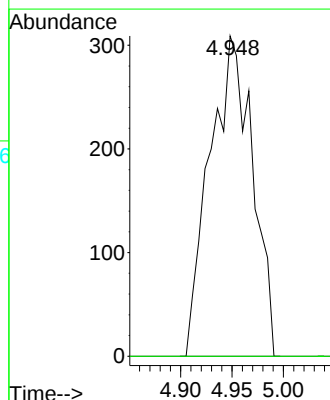
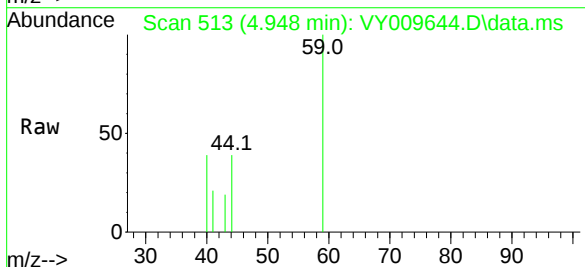
Instrument :
MSVOA_Y
ClientSampleId :
MH-191E

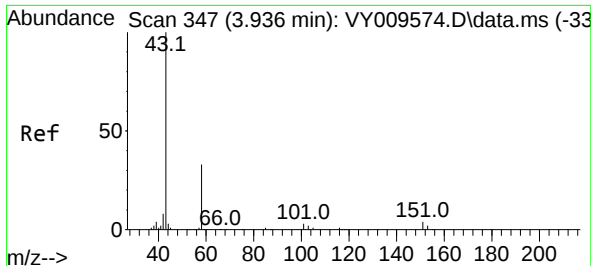
Tgt Ion:168 Resp: 269924
Ion Ratio Lower Upper
168 100
99 47.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

Tgt Ion: 59 Resp: 891
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.204 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009644.D

Acq: 21 Jul 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

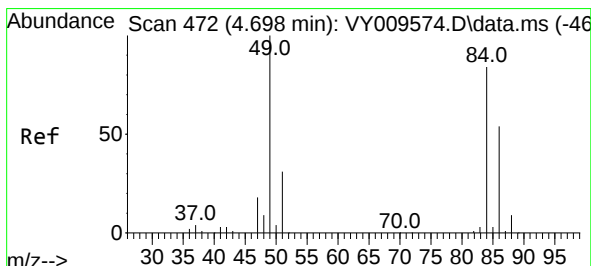
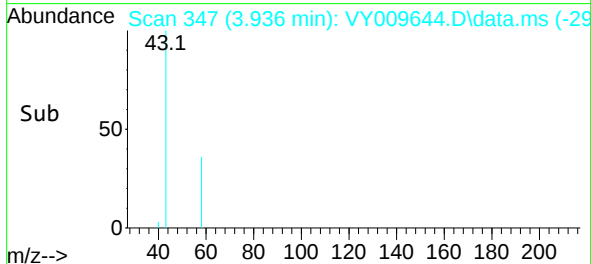
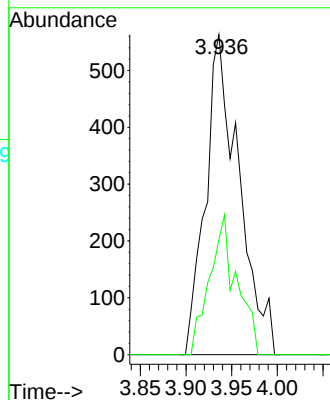
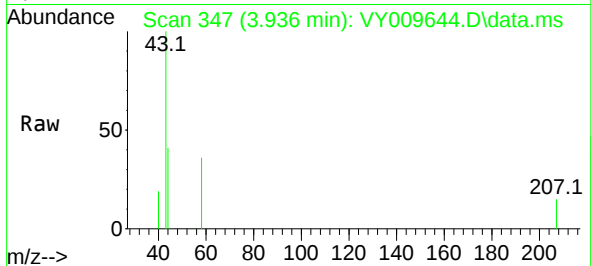
MH-191E

Tgt Ion: 43 Resp: 1423

Ion Ratio Lower Upper

43 100

58 35.9 22.0 33.0#



#20

Methylene Chloride

Concen: 4.885 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY009644.D

Acq: 21 Jul 2022 19:35

Tgt Ion: 84 Resp: 44773

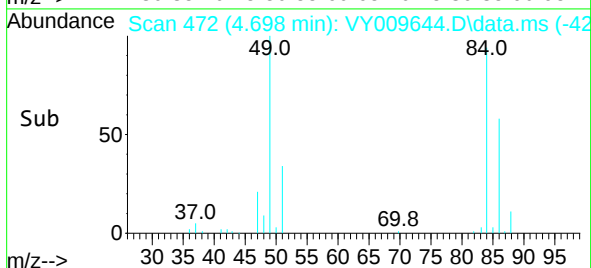
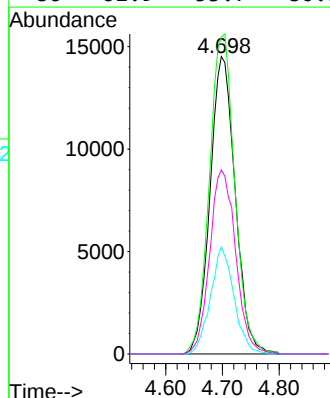
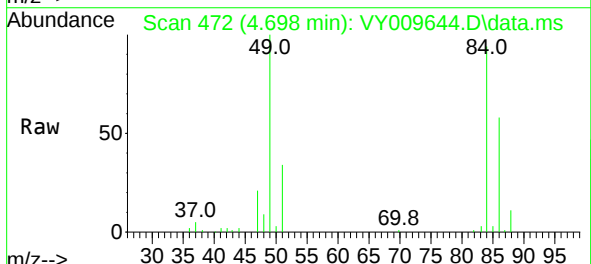
Ion Ratio Lower Upper

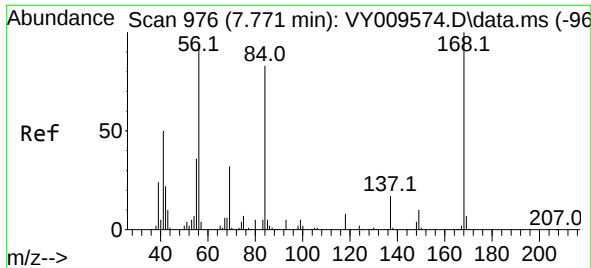
84 100

49 106.6 114.4 171.6#

51 35.9 35.3 52.9

86 61.9 53.7 80.5

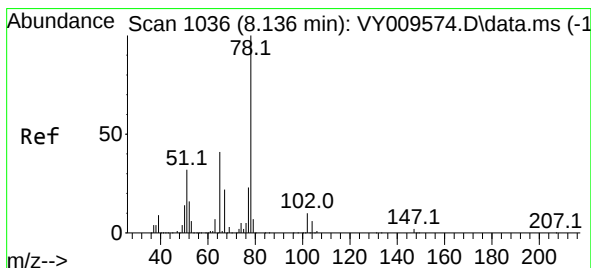
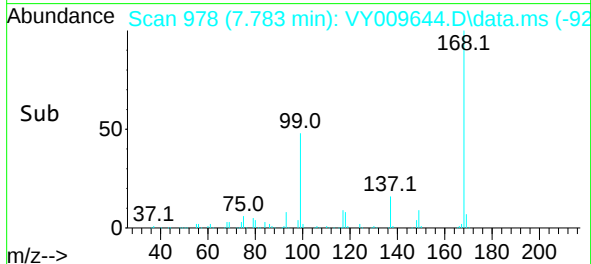
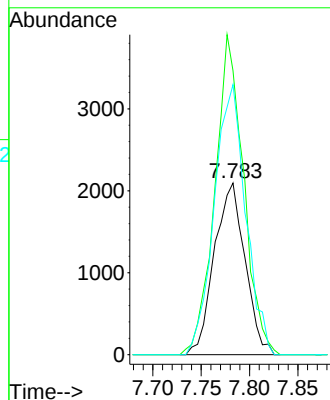
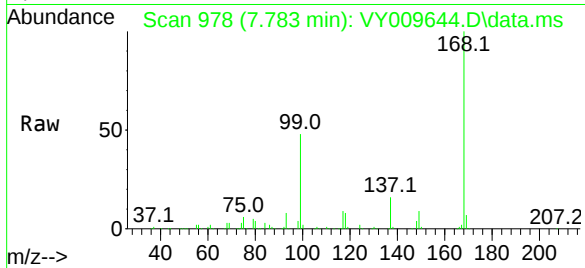




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

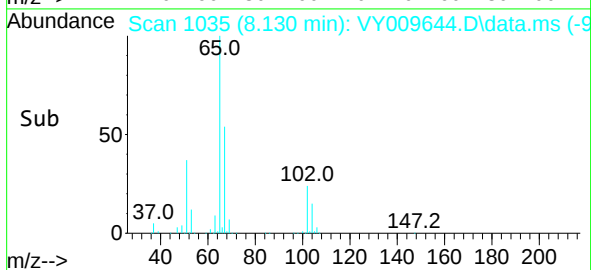
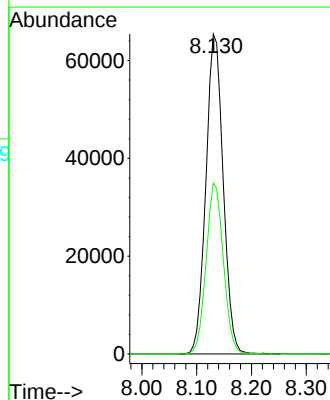
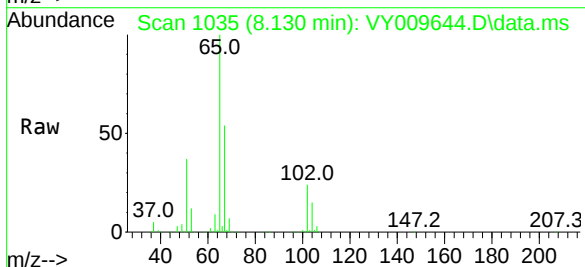
Instrument :
MSVOA_Y
ClientSampleId :
MH-191E

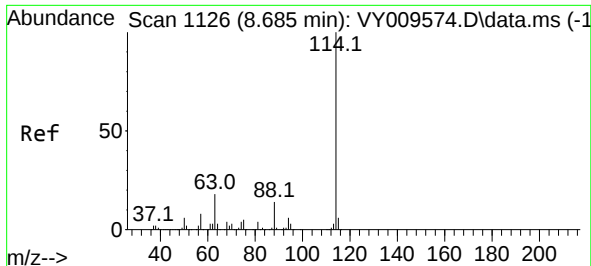
Tgt Ion: 56 Resp: 4624
Ion Ratio Lower Upper
56 100
69 165.3 26.7 40.1#
84 157.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.054 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

Tgt Ion: 65 Resp: 143095
Ion Ratio Lower Upper
65 100
67 53.5 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: VY009644.D

Acq: 21 Jul 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

MH-191E

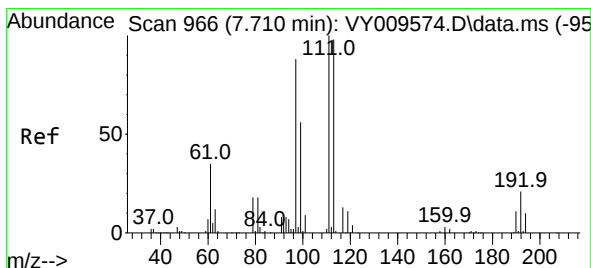
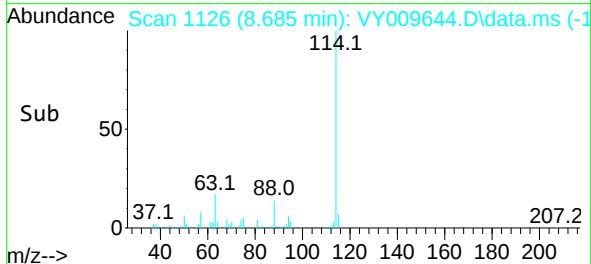
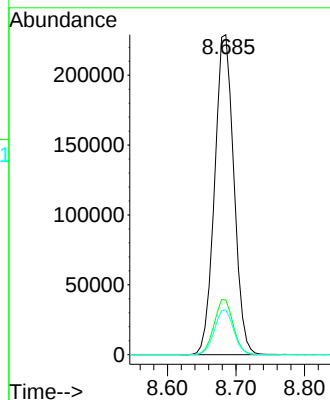
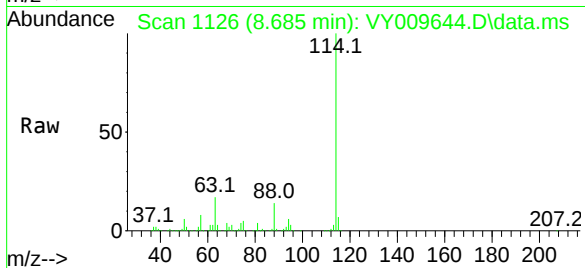
Tgt Ion:114 Resp: 446151

Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.629 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.006 min

Lab File: VY009644.D

Acq: 21 Jul 2022 19:35

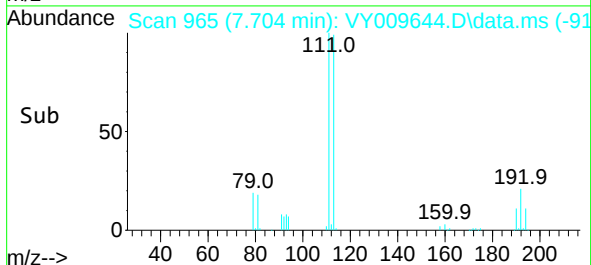
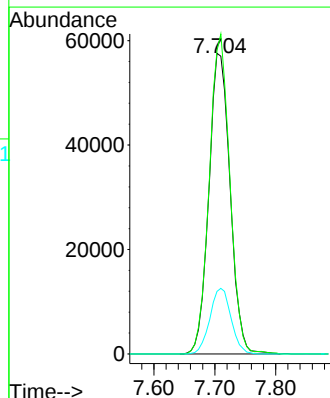
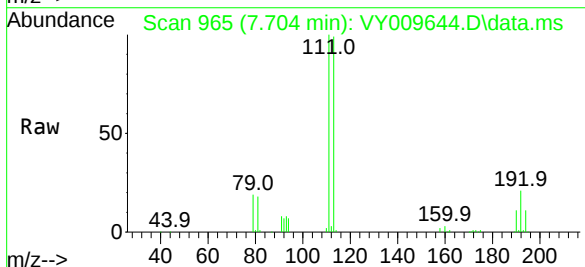
Tgt Ion:113 Resp: 139493

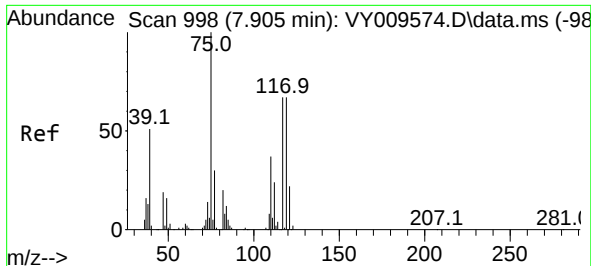
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 21.7 17.6 26.4

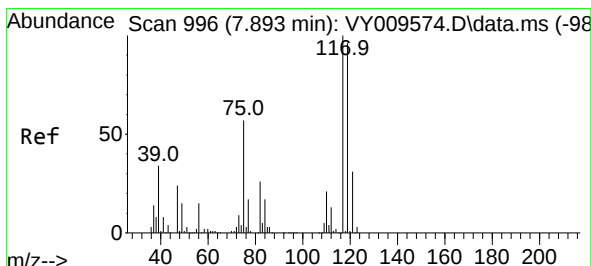
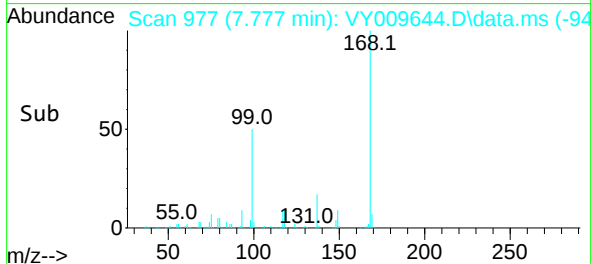
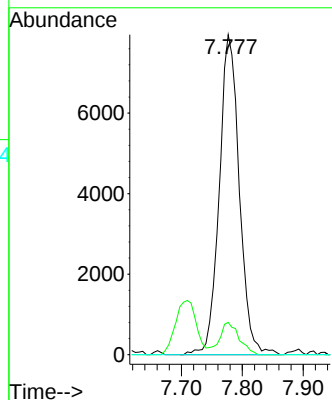
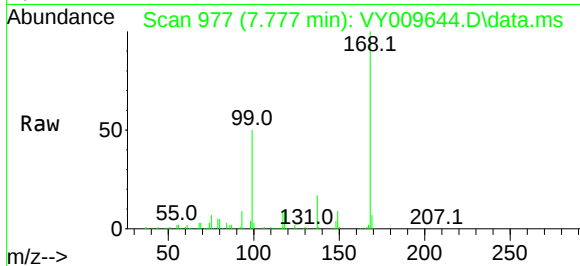




#36
 1,1-Dichloropropene
 Concen: 4.381 ug/l
 RT: 7.777 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009644.D
 Acq: 21 Jul 2022 19:35

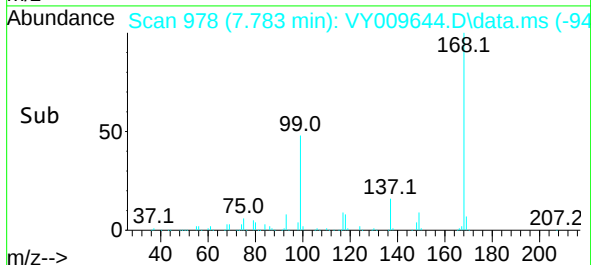
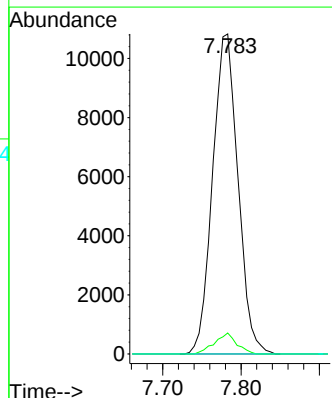
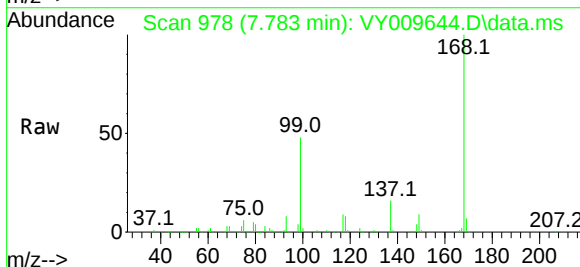
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-191E

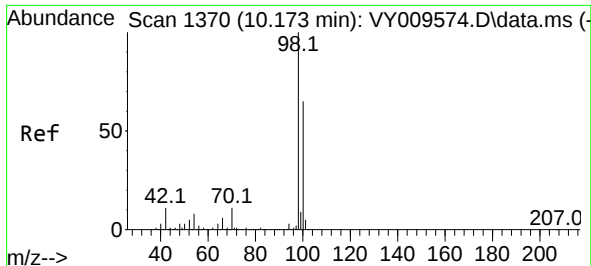
Tgt Ion: 75 Resp: 18197
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.600 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009644.D
 Acq: 21 Jul 2022 19:35

Tgt Ion: 117 Resp: 24348
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.9 116.9#
 121 0.0 24.8 37.2#

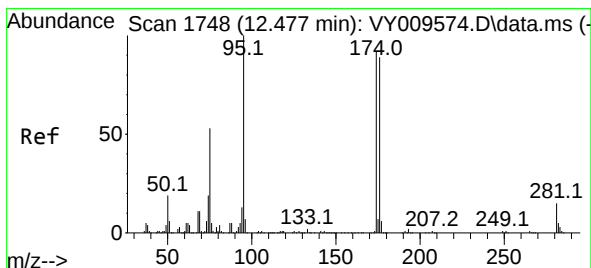
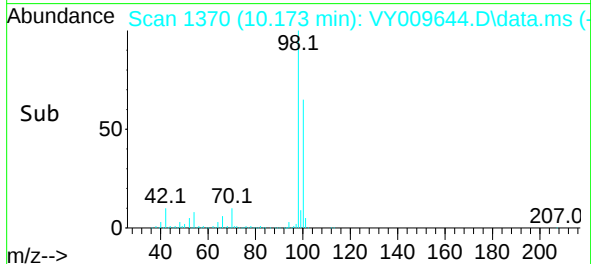
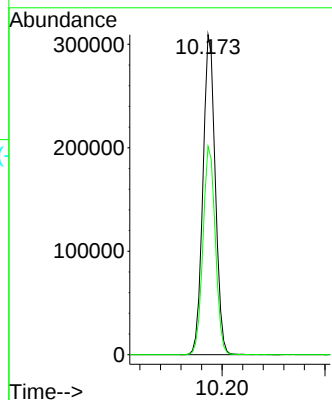
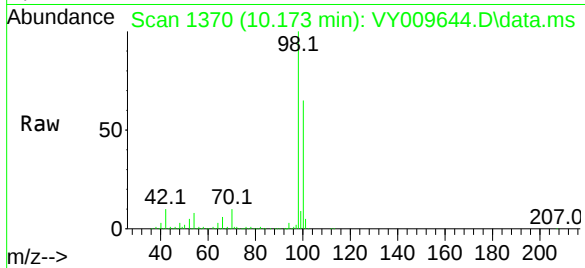




#50
Toluene-d8
Concen: 47.540 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

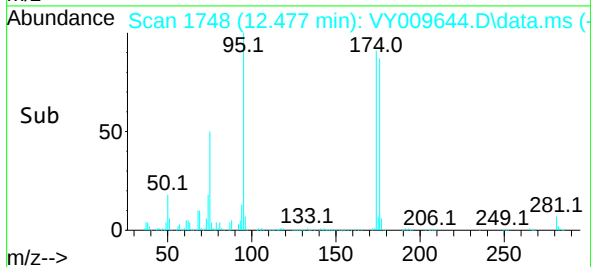
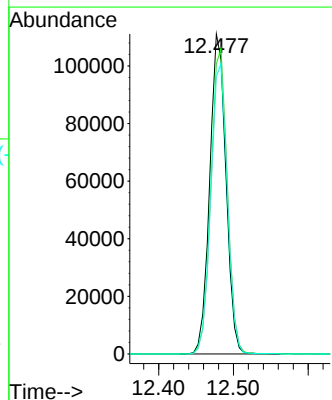
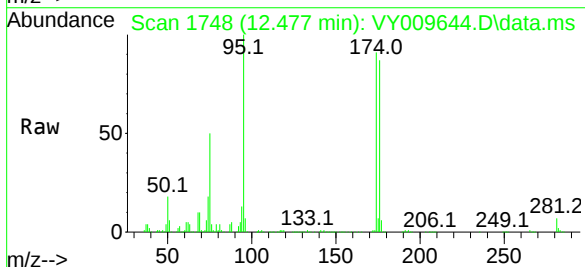
Instrument :
MSVOA_Y
ClientSampleId :
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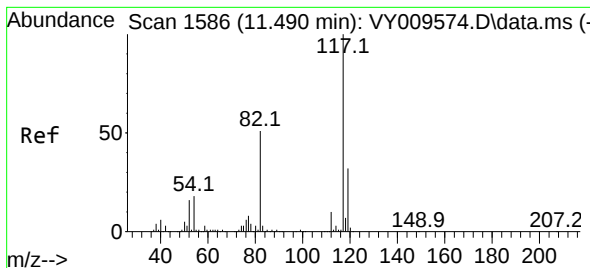
Tgt Ion: 98 Resp: 513684
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.810 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

Tgt Ion: 95 Resp: 167395
Ion Ratio Lower Upper
95 100
174 96.7 0.0 177.0
176 92.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009644.D

Acq: 21 Jul 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

MH-191E

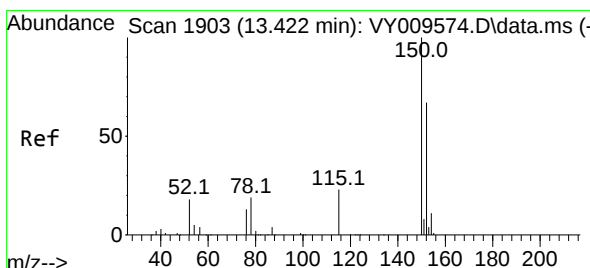
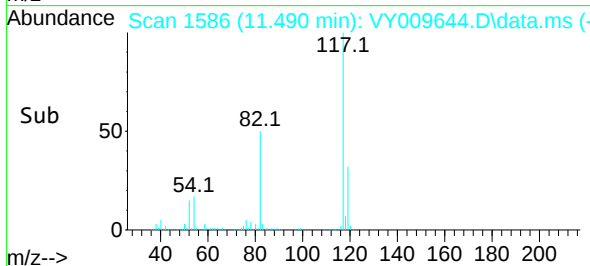
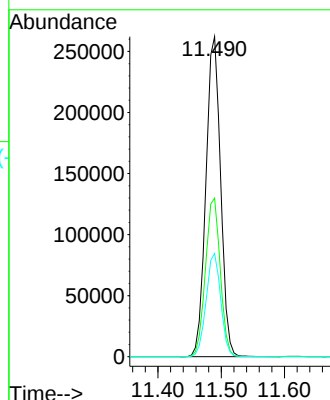
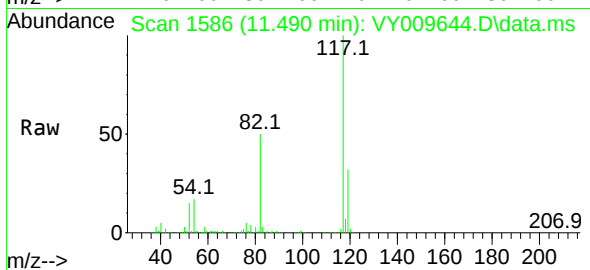
Tgt Ion:117 Resp: 423770

Ion Ratio Lower Upper

117 100

82 49.6 43.0 64.4

119 32.3 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: VY009644.D

Acq: 21 Jul 2022 19:35

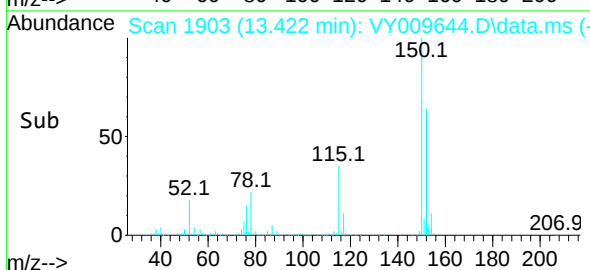
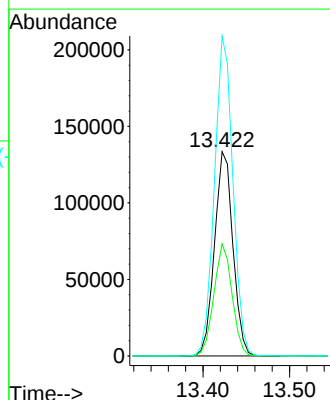
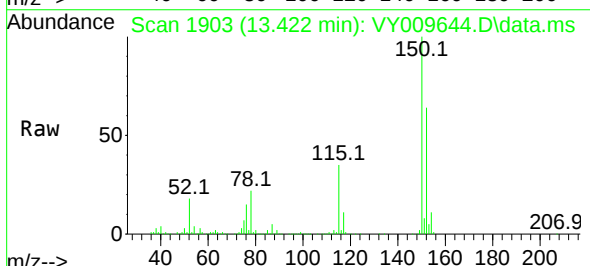
Tgt Ion:152 Resp: 197567

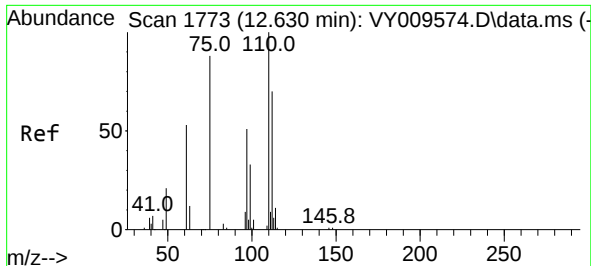
Ion Ratio Lower Upper

152 100

115 54.1 28.2 84.7

150 156.6 0.0 347.6

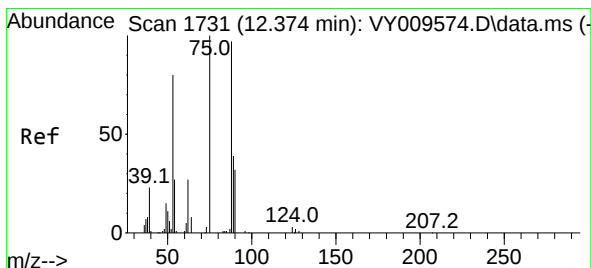
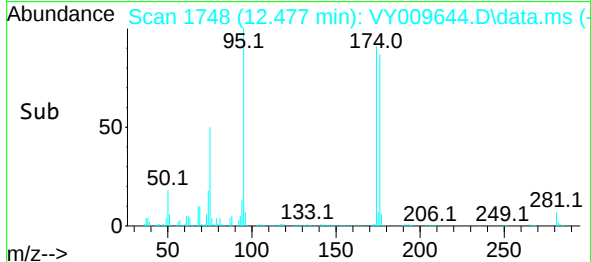
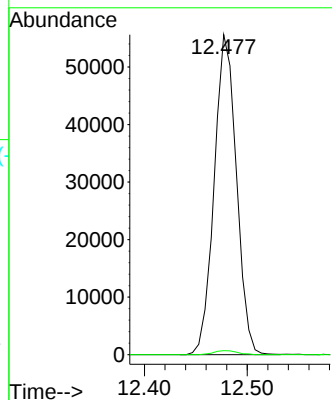
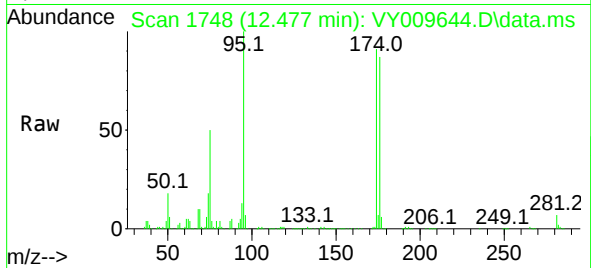




#76
1,2,3-Trichloropropane
Concen: 44.436 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

Instrument :
MSVOA_Y
ClientSampleId :
MH-191E

Tgt Ion: 75 Resp: 83630
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.618 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009644.D
Acq: 21 Jul 2022 19:35

Tgt Ion: 75 Resp: 83630
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

