

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009202.D
 Acq On : 16 Jun 2022 15:04
 Operator : KP/MD
 Sample : N3353-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 02:26:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

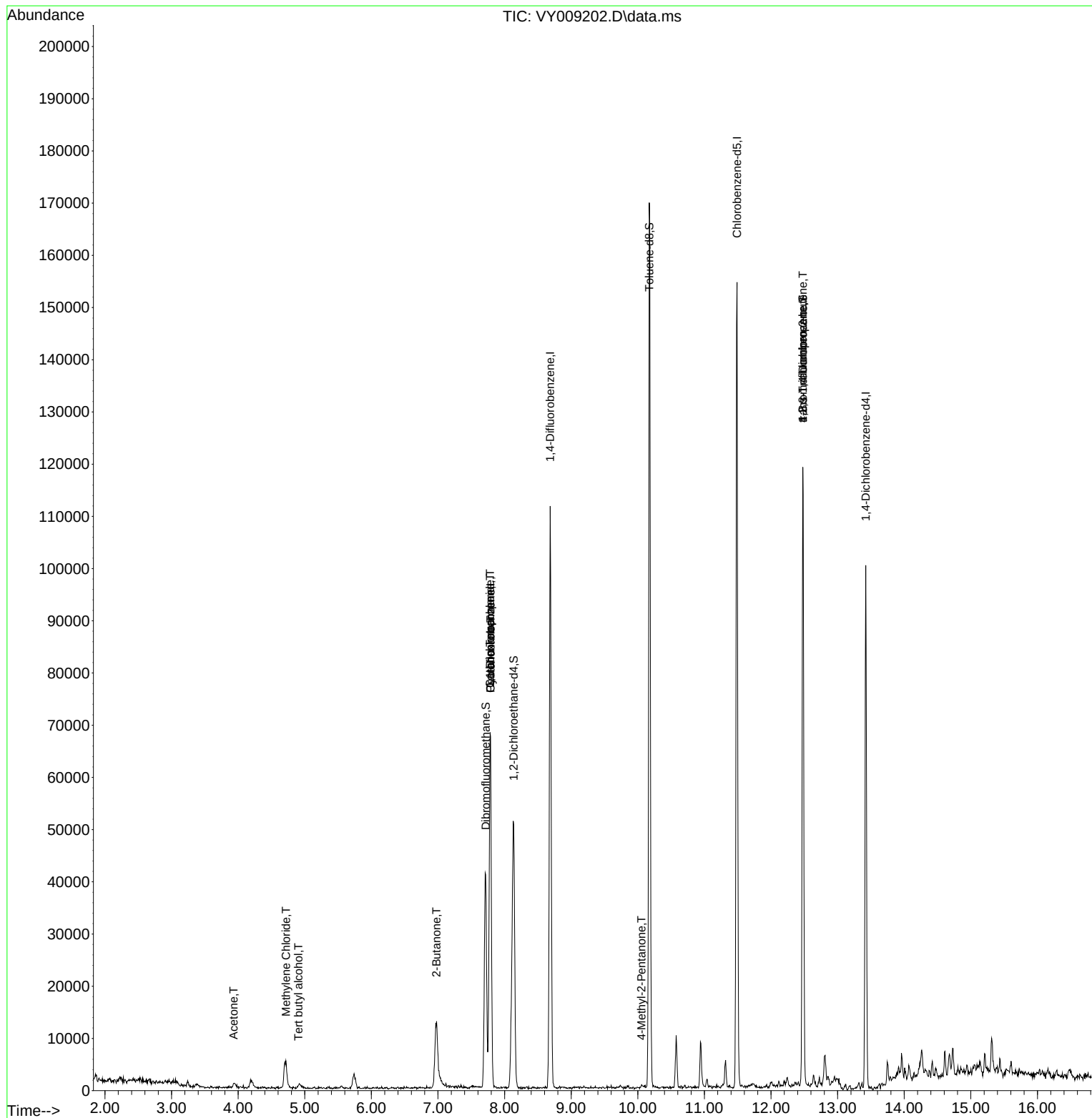
Internal Standards						
1) Pentafluorobenzene	7.789	168	54296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	91315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	84468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	28321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	33200	58.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.080%			
35) Dibromofluoromethane	7.716	113	30038	52.467	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.173	98	108294	49.691	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.477	95	35787	46.210	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.420%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.905	59	423	4.701	ug/l #	77
16) Acetone	3.930	43	1768	12.375	ug/l #	81
18) Methyl Acetate	4.479	43	23	Below Cal	#	56
20) Methylene Chloride	4.716	84	3797	3.212	ug/l #	70
25) 2-Butanone	6.978	43	954	4.220	ug/l #	54
31) Cyclohexane	7.789	56	1104	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	4652	5.282	ug/l #	48
38) Carbon Tetrachloride	7.783	117	5071	5.569	ug/l #	13
51) 4-Methyl-2-Pentanone	10.057	43	520	1.020	ug/l #	67
76) 1,2,3-Trichloropropane	12.477	75	17753	56.771	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17753	113.139	ug/l #	7

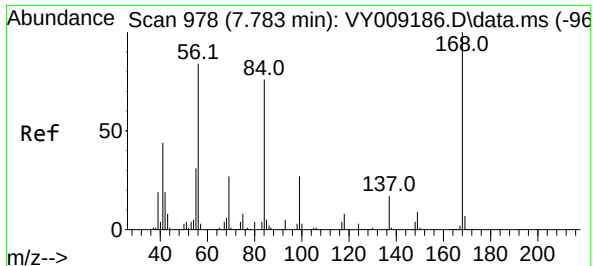
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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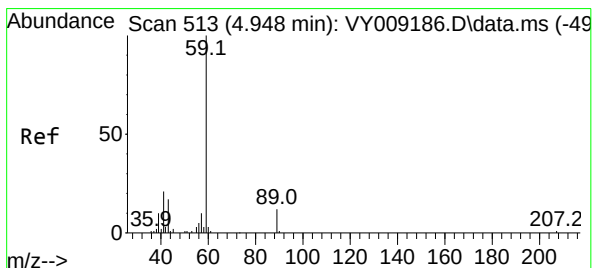
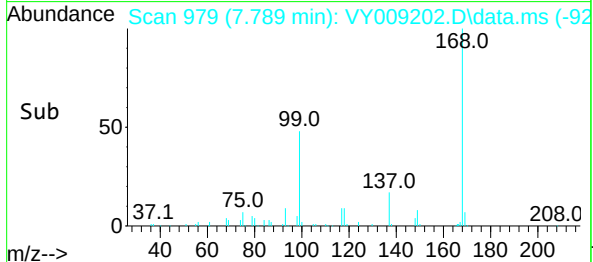
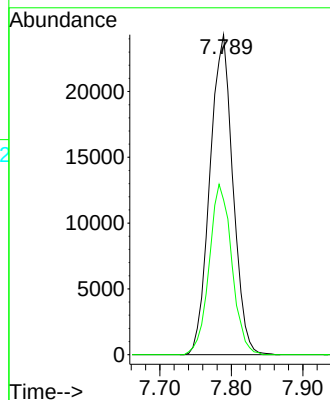
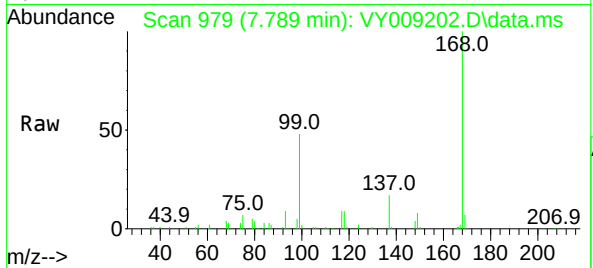




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

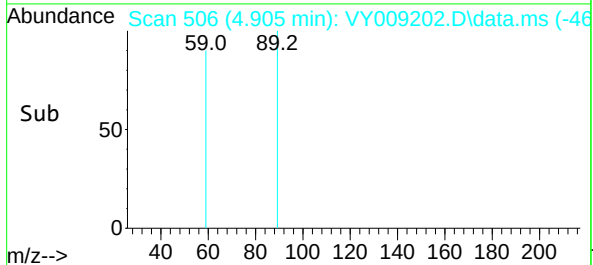
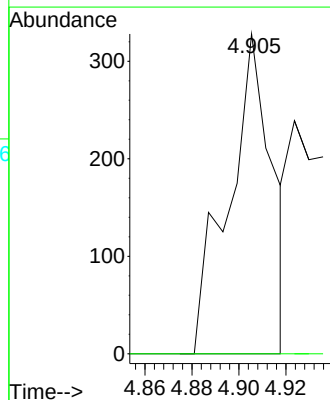
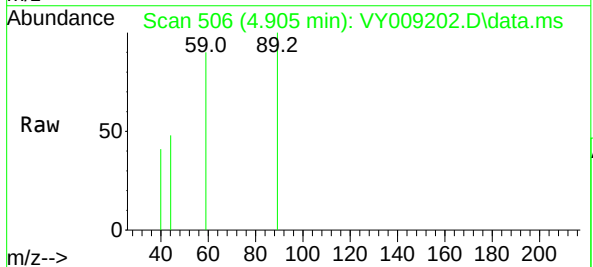
Instrument :
MSVOA_Y
ClientSampleId :

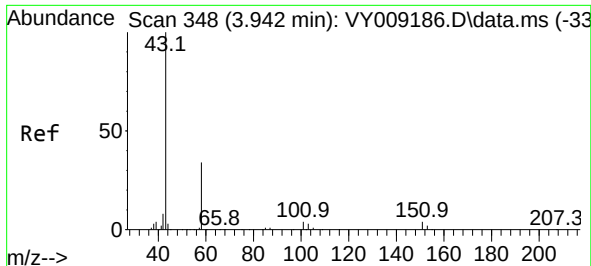
Tgt Ion:168 Resp: 54296
Ion Ratio Lower Upper
168 100
99 48.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 4.701 ug/l
RT: 4.905 min Scan# 506
Delta R.T. -0.043 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

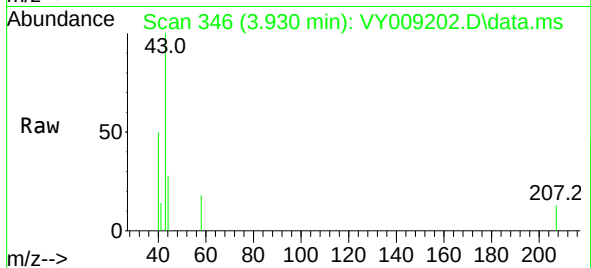
Tgt Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



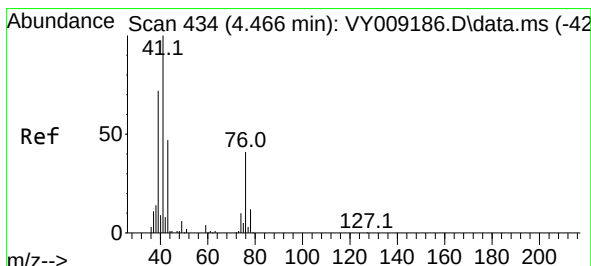
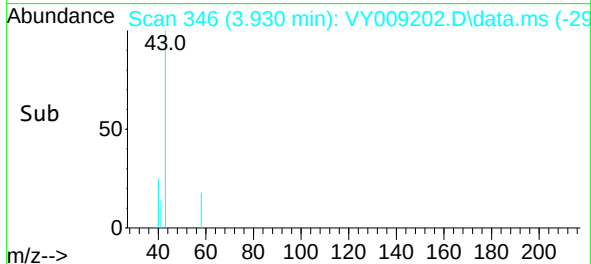
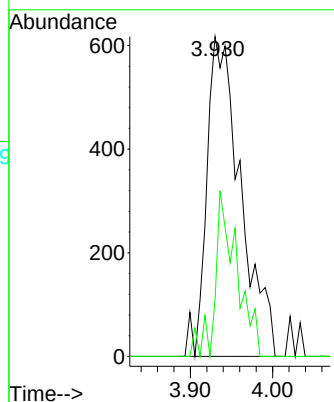


#16
Acetone
Concen: 12.375 ug/l
RT: 3.930 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :

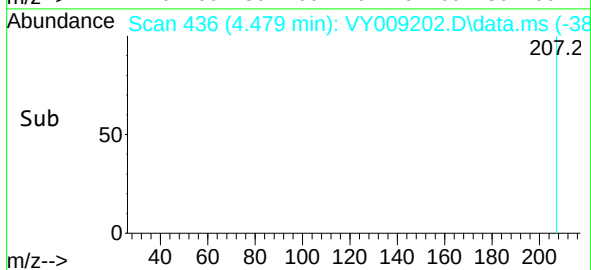
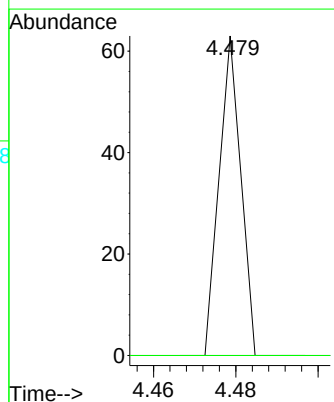
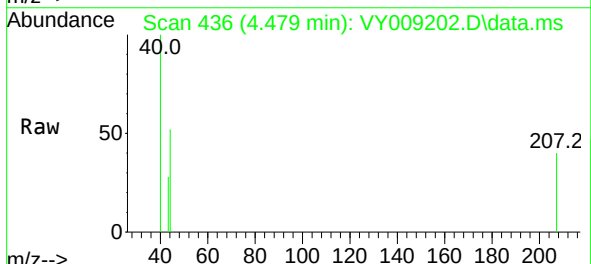


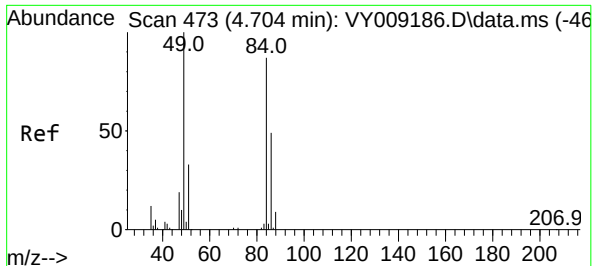
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 17.7 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: 3.212 ug/l

RT: 4.716 min Scan# 473

Delta R.T. 0.012 min

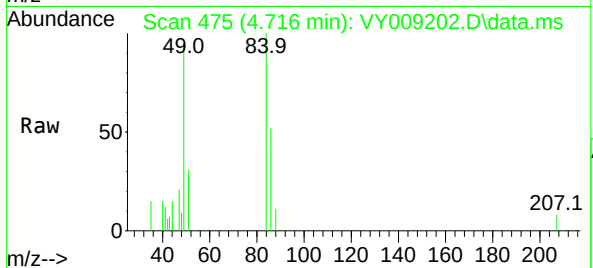
Lab File: VY009202.D

Acq: 16 Jun 2022 15:04

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 3797

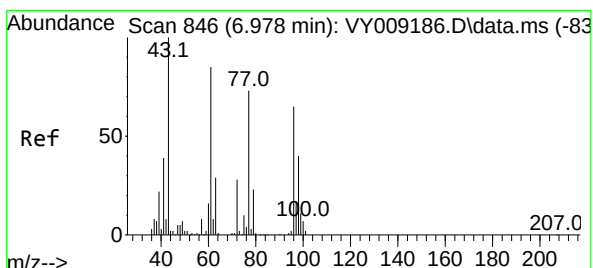
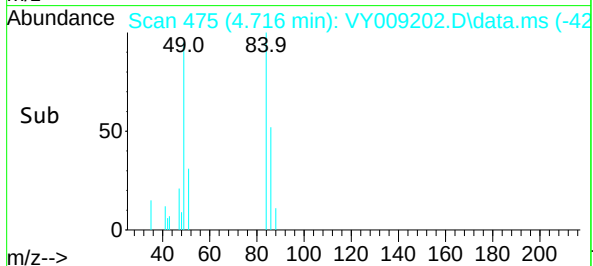
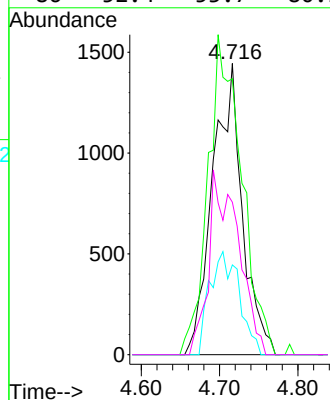
Ion Ratio Lower Upper

84 100

49 94.8 114.4 171.6#

51 30.8 35.3 52.9#

86 52.4 53.7 80.5#



#25

2-Butanone

Concen: 4.220 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009202.D

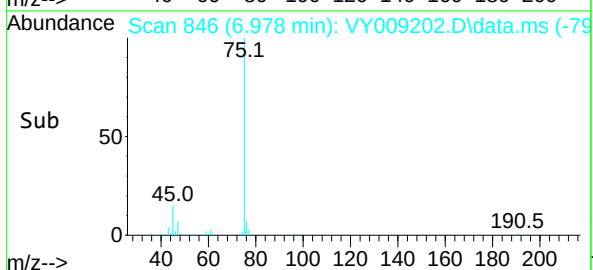
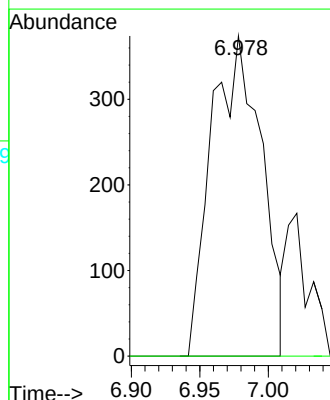
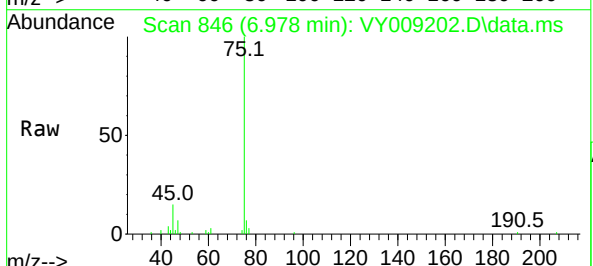
Acq: 16 Jun 2022 15:04

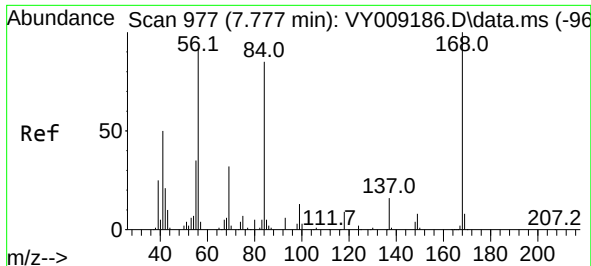
Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

43 100

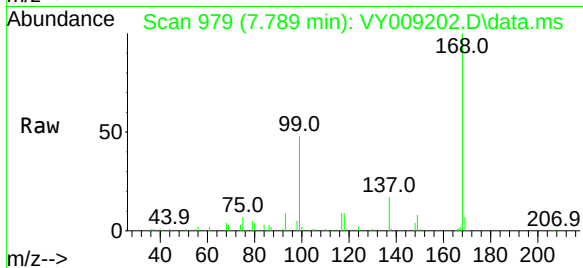
72 0.0 17.7 26.5#



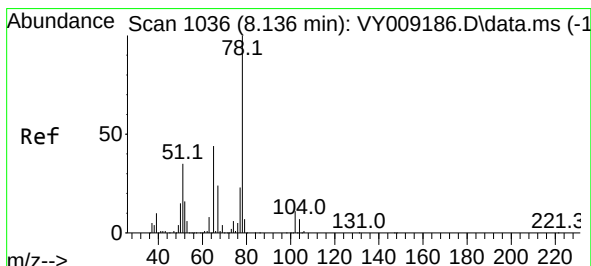
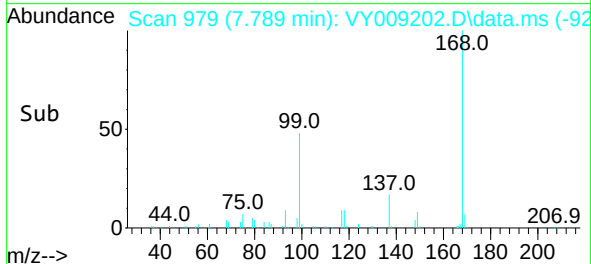
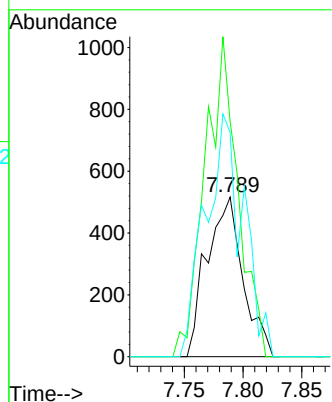


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :

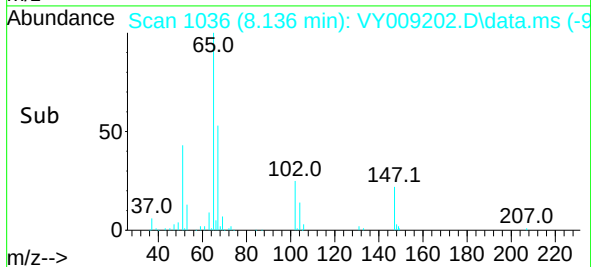
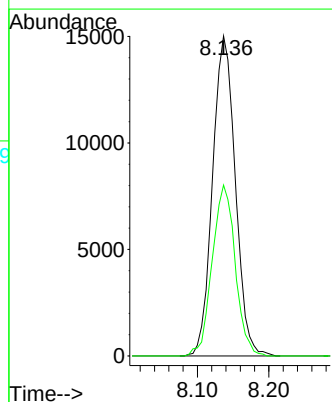
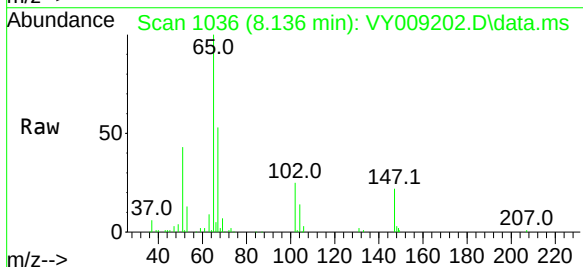


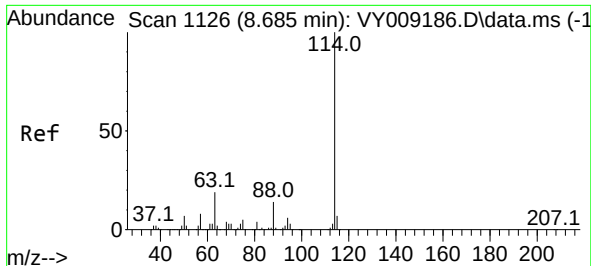
Tgt Ion: 56 Resp: 1104
Ion Ratio Lower Upper
56 100
69 147.5 26.7 40.1#
84 140.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.536 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

Tgt Ion: 65 Resp: 33200
Ion Ratio Lower Upper
65 100
67 54.0 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: VY009202.D

Acq: 16 Jun 2022 15:04

Instrument :

MSVOA_Y

ClientSampleId :

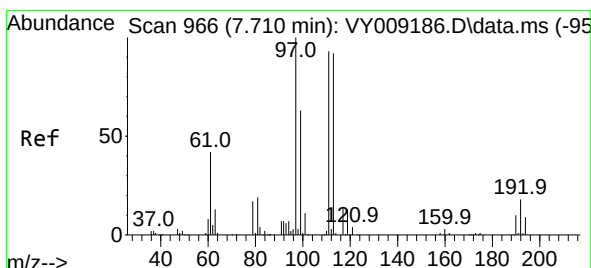
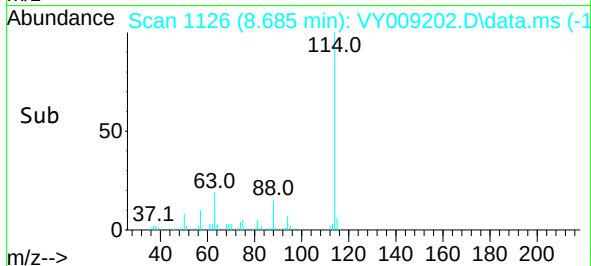
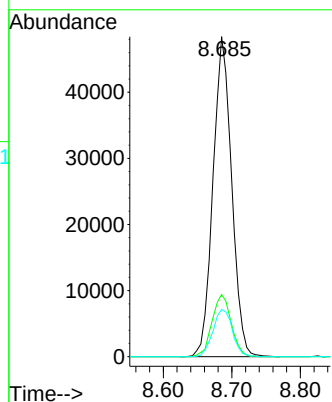
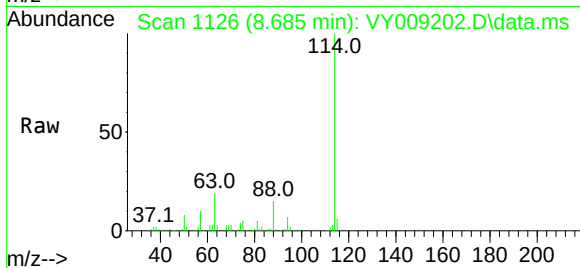
Tgt Ion:114 Resp: 91315

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.467 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY009202.D

Acq: 16 Jun 2022 15:04

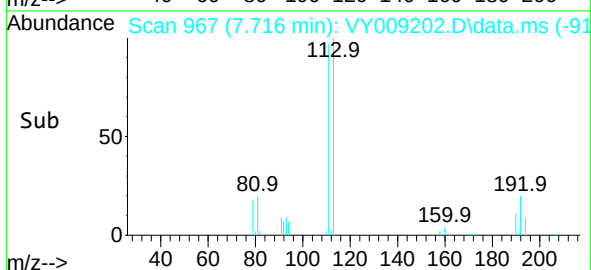
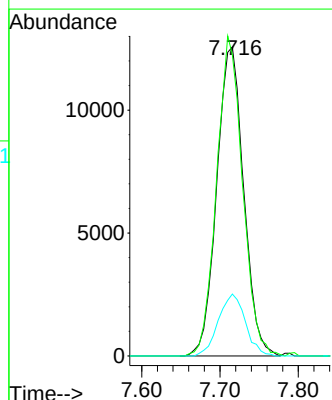
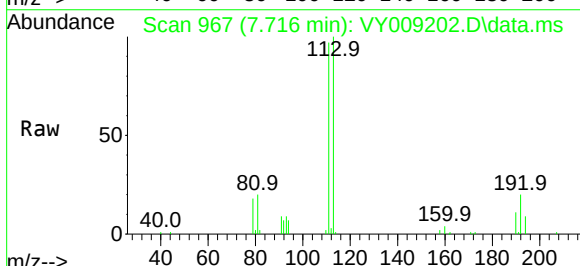
Tgt Ion:113 Resp: 30038

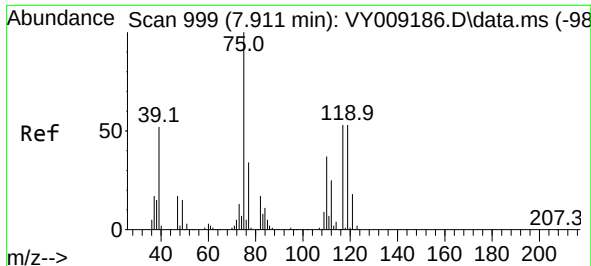
Ion Ratio Lower Upper

113 100

111 99.8 82.6 124.0

192 20.1 17.6 26.4

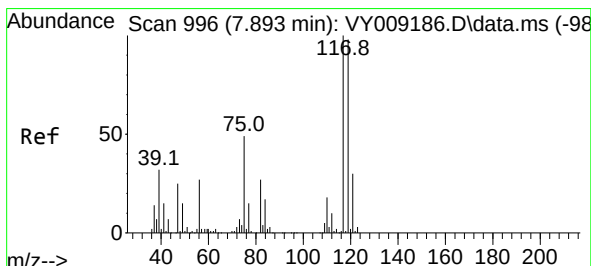
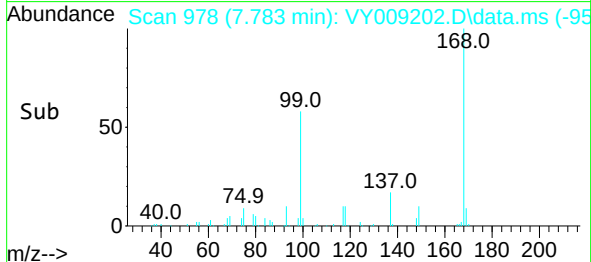
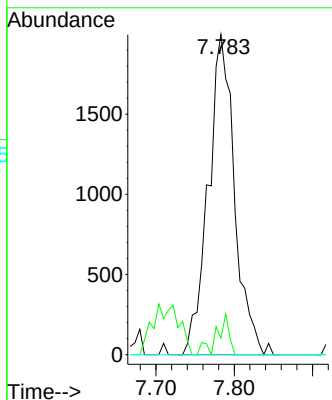
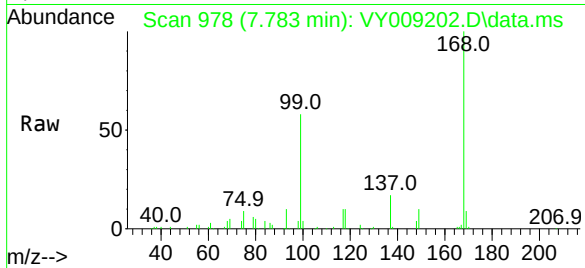




#36
 1,1-Dichloropropene
 Concen: 5.282 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009202.D
 Acq: 16 Jun 2022 15:04

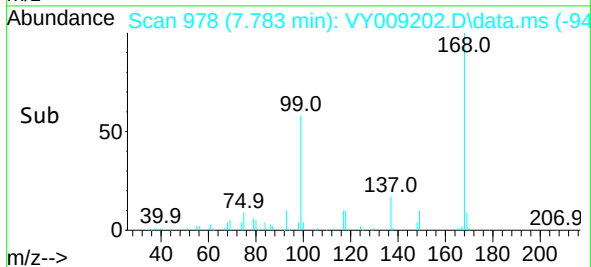
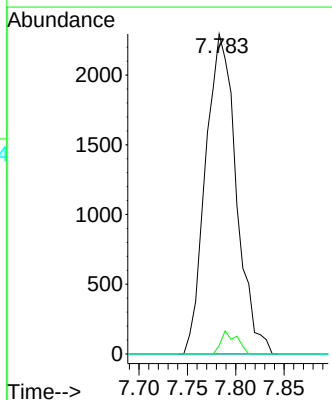
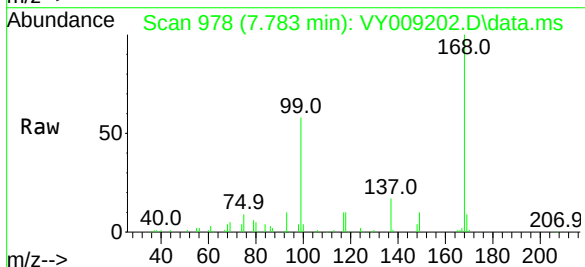
Instrument :
 MSVOA_Y
 ClientSampleId :

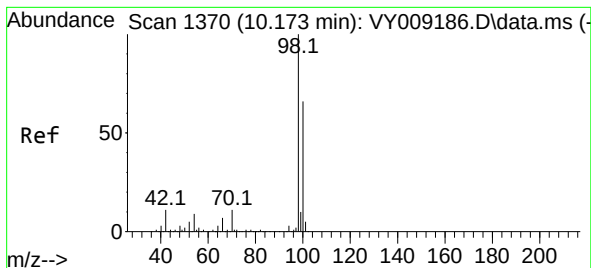
Tgt Ion: 75 Resp: 4652
 Ion Ratio Lower Upper
 75 100
 110 6.1 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.569 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009202.D
 Acq: 16 Jun 2022 15:04

Tgt Ion: 117 Resp: 5071
 Ion Ratio Lower Upper
 117 100
 119 2.7 77.9 116.9#
 121 0.0 24.8 37.2#

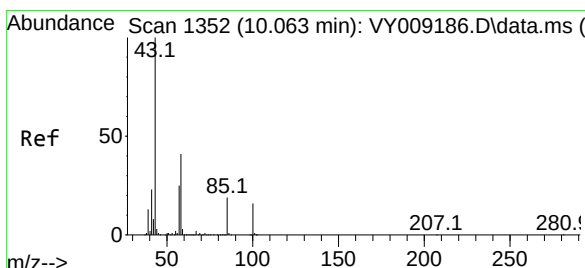
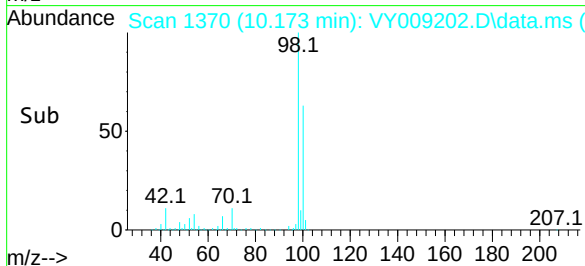
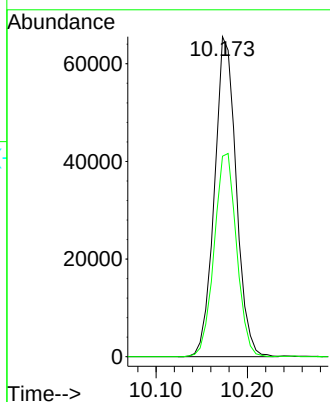
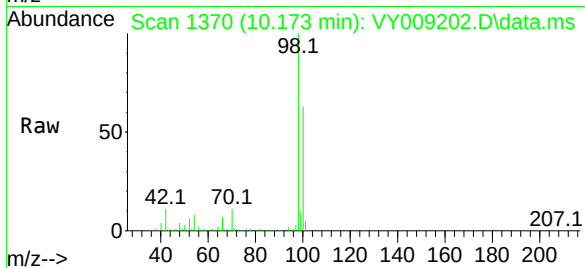




#50
Toluene-d8
Concen: 49.691 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

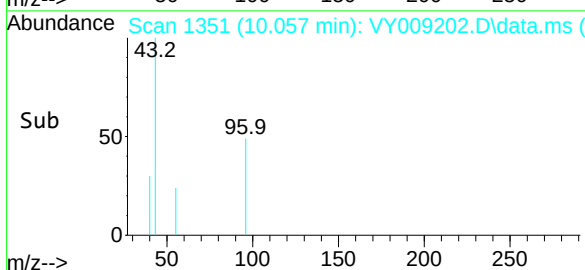
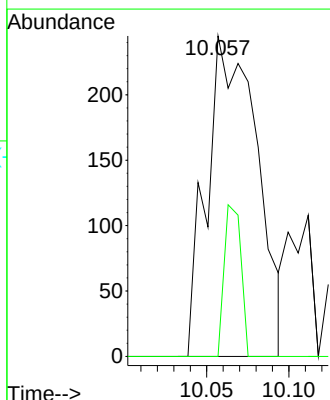
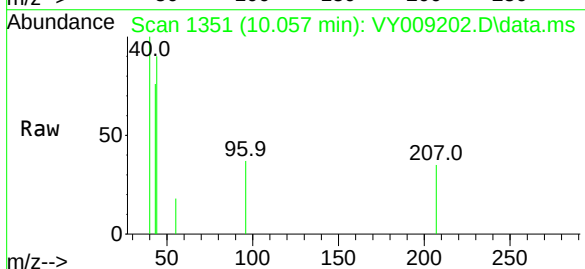
Instrument :
MSVOA_Y
ClientSampleId :

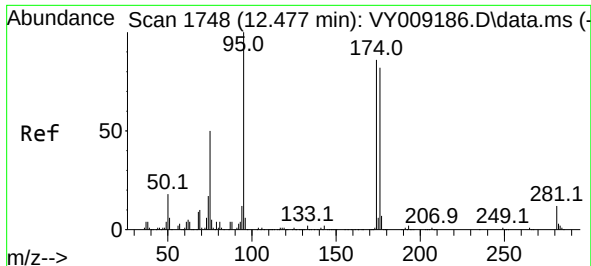
Tgt Ion: 98 Resp: 108294
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.020 ug/l
RT: 10.057 min Scan# 1351
Delta R.T. -0.006 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 15.8 28.1 42.1#

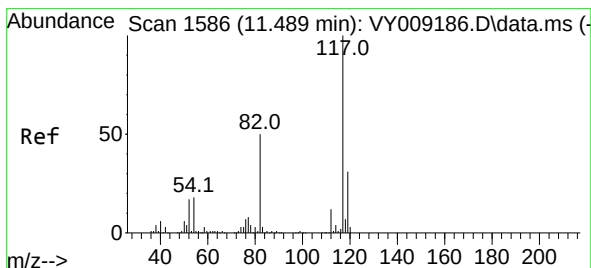
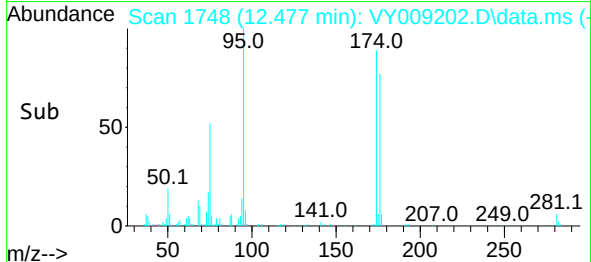
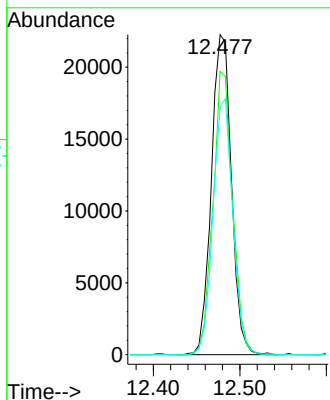
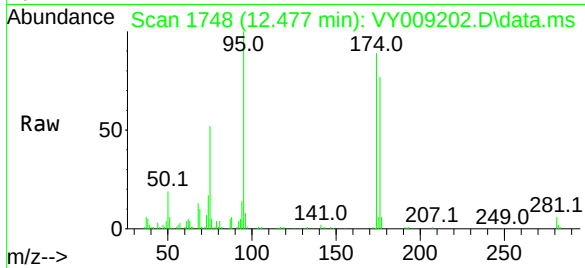




#62
4-Bromofluorobenzene
Concen: 46.210 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

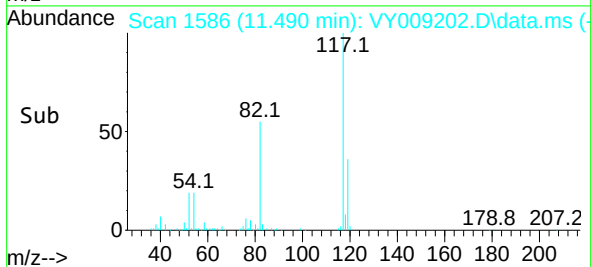
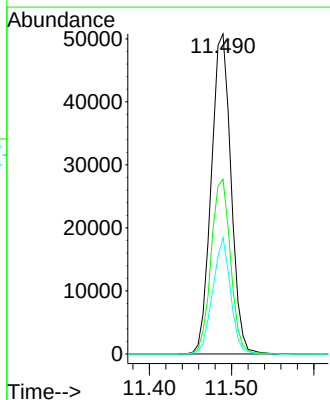
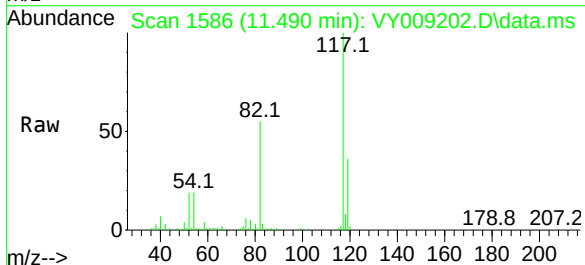
Instrument :
MSVOA_Y
ClientSampleId :

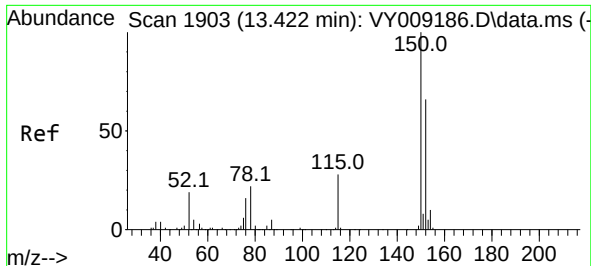
Tgt Ion: 95 Resp: 35787
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 79.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009202.D
Acq: 16 Jun 2022 15:04

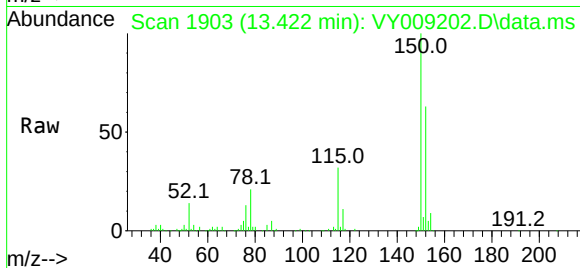
Tgt Ion: 117 Resp: 84468
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.4
119 36.4 25.4 38.0



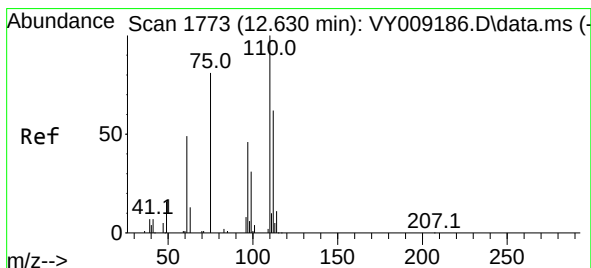
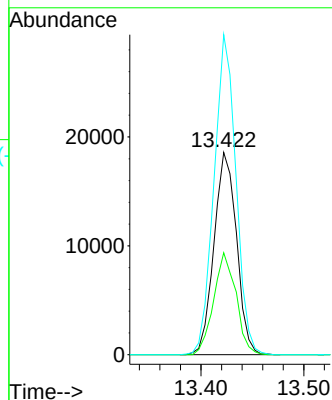
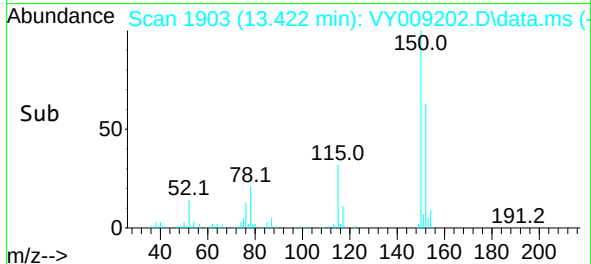


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009202.D
 Acq: 16 Jun 2022 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :

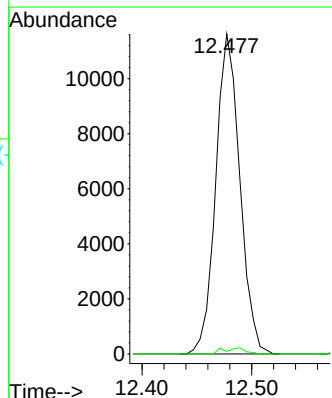
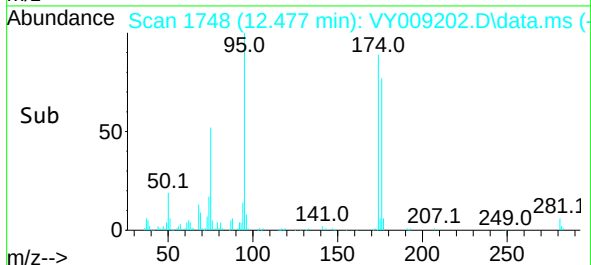
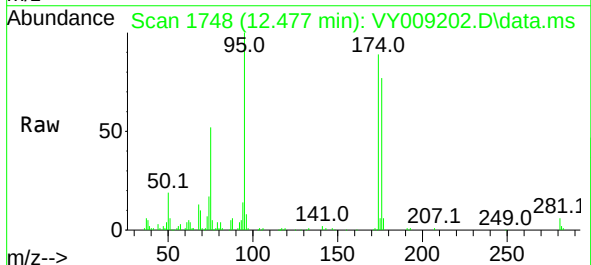


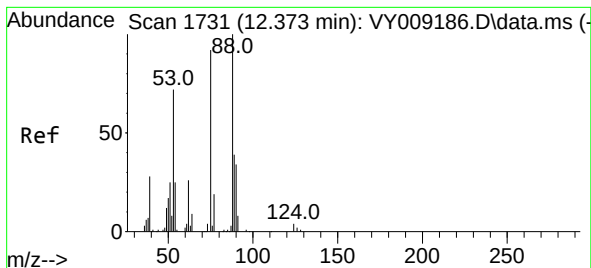
Tgt Ion:152 Resp: 28321
 Ion Ratio Lower Upper
 152 100
 115 49.9 28.2 84.7
 150 154.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 56.771 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009202.D
 Acq: 16 Jun 2022 15:04

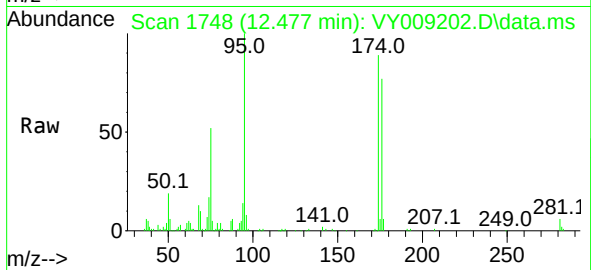
Tgt Ion: 75 Resp: 17753
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.139 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009202.D
 Acq: 16 Jun 2022 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :



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

