

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009999.D
 Acq On : 12 Aug 2022 20:22
 Operator : KP/MD
 Sample : N4148-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 290533

Quant Time: Aug 13 02:58:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

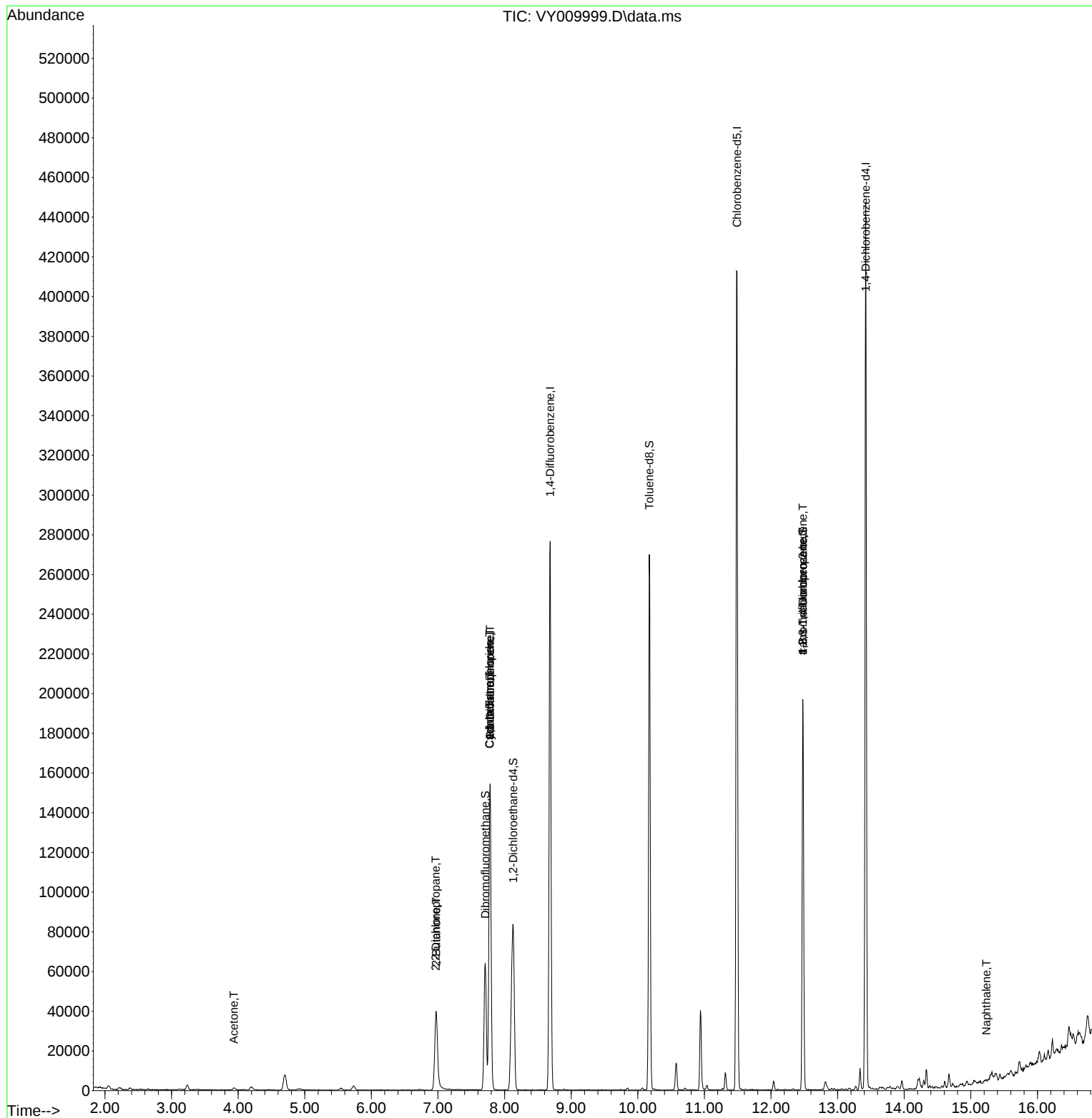
Internal Standards						
1) Pentafluorobenzene	7.783	168	120510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	243201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	46624	38.140	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.280%		
35) Dibromofluoromethane	7.710	113	47909	32.186	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	64.380%		
50) Toluene-d8	10.173	98	177448	31.113	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	62.220%		
62) 4-Bromofluorobenzene	12.477	95	63704	30.486	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	60.980%		
Target Compounds						
5) Bromomethane	2.643	94	69	Below Cal	Qvalue 90	
11) Tert butyl alcohol	4.936	59	809	Below Cal	# 78	
16) Acetone	3.936	43	2135	7.272 ug/l	# 81	
18) Methyl Acetate	4.460	43	444	Below Cal	# 63	
20) Methylene Chloride	4.704	84	6320	Below Cal	90	
25) 2-Butanone	6.972	43	2144	4.706 ug/l	95	
26) 2,2-Dichloropropane	6.966	77	3014	1.461 ug/l	# 52	
31) Cyclohexane	7.777	56	2282	1.043 ug/l	# 1	
36) 1,1-Dichloropropene	7.783	75	9480	4.277 ug/l	# 48	
38) Carbon Tetrachloride	7.777	117	11981	5.416 ug/l	# 16	
76) 1,2,3-Trichloropropane	12.477	75	29784	23.627 ug/l	# 100	
81) trans-1,4-Dichloro-2-b...	12.477	75	29784	51.361 ug/l	# 13	
95) Naphthalene	15.233	128	1356	3.365 ug/l	# 89	

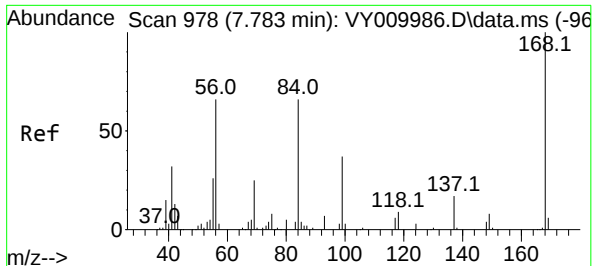
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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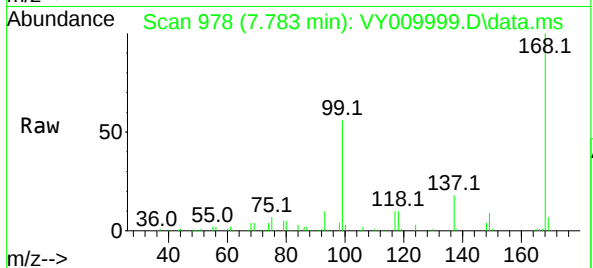
Quant Time: Aug 13 02:58:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 13 02:54:57 2022
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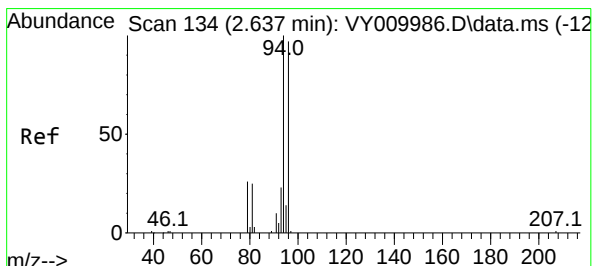
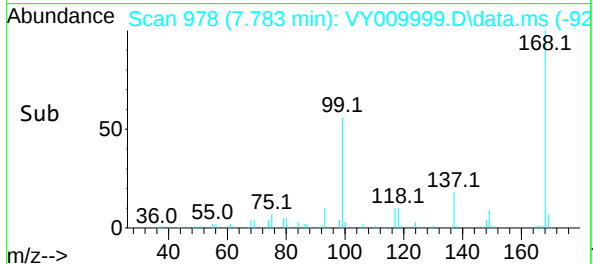
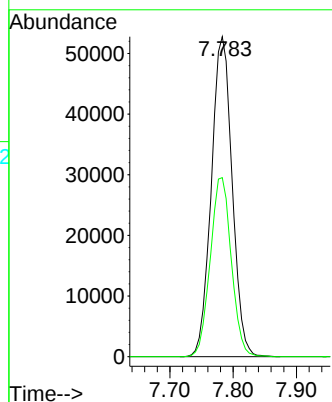


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Instrument :
MSVOA_Y
ClientSampleId :
290533

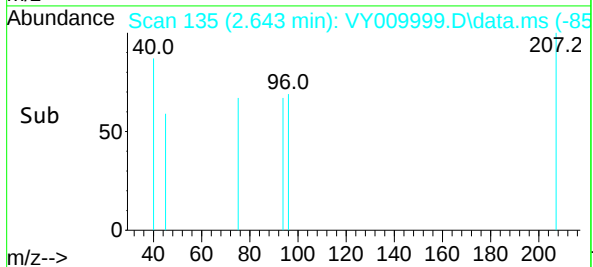
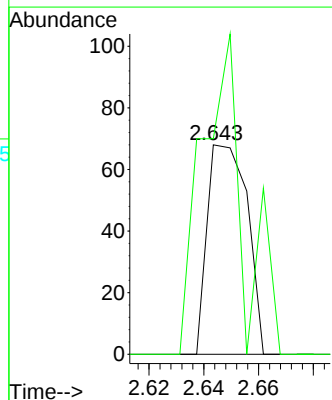
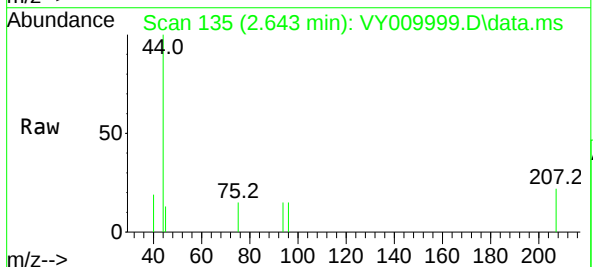


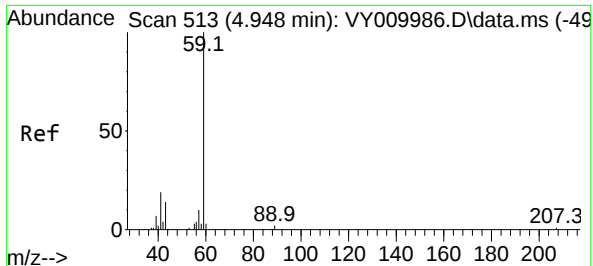
Tgt Ion:168 Resp: 120510
Ion Ratio Lower Upper
168 100
99 56.0 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 135
Delta R.T. 0.006 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 102.9 74.6 111.8





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 513

Delta R.T. -0.012 min

Lab File: VY009999.D

Acq: 12 Aug 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

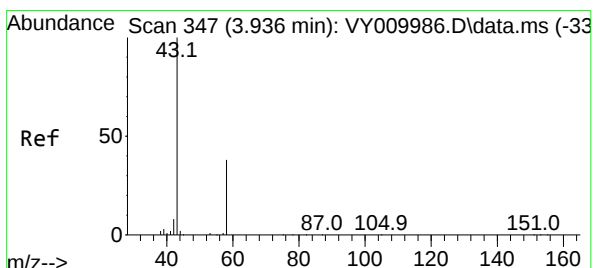
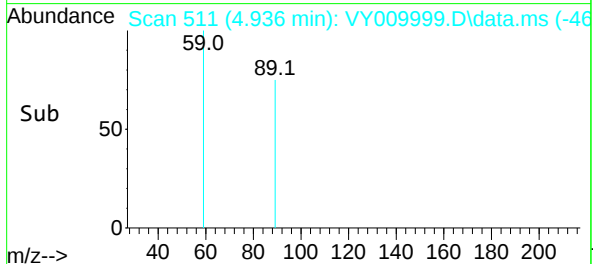
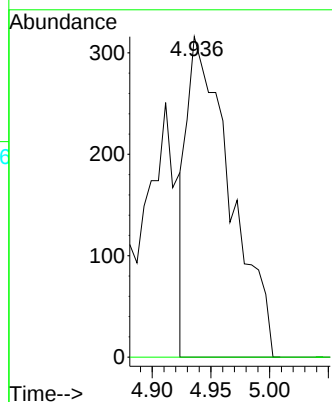
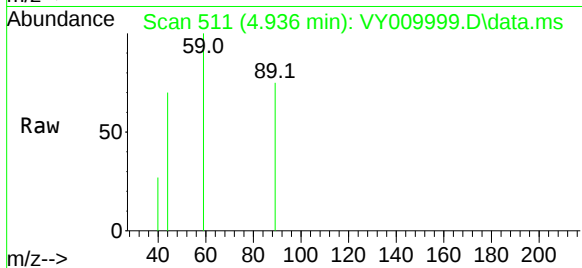
290533

Tgt Ion: 59 Resp: 809

Ion Ratio Lower Upper

59 100

57 0.0 6.3 9.5#



#16

Acetone

Concen: 7.272 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY009999.D

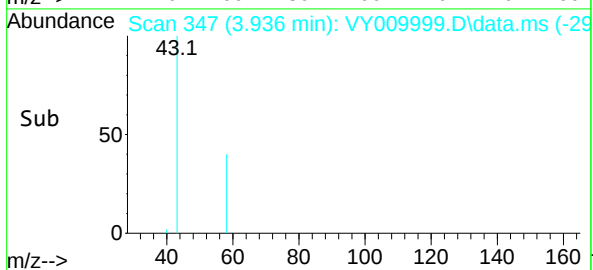
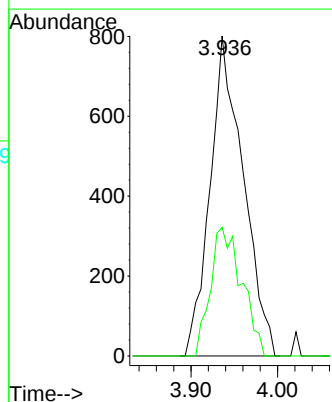
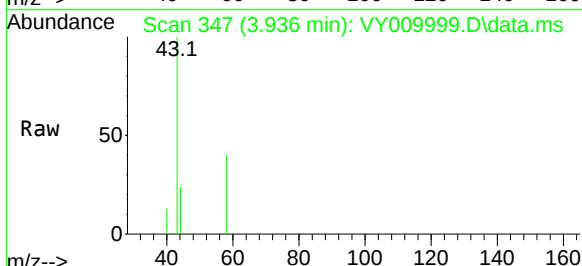
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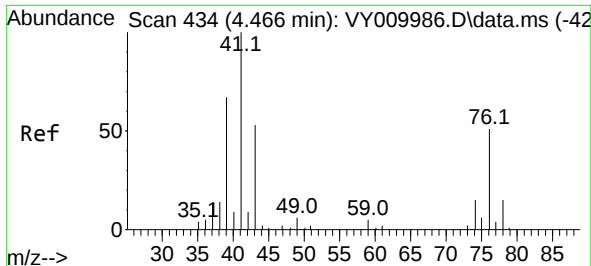
Tgt Ion: 43 Resp: 2135

Ion Ratio Lower Upper

43 100

58 40.2 24.0 36.0#

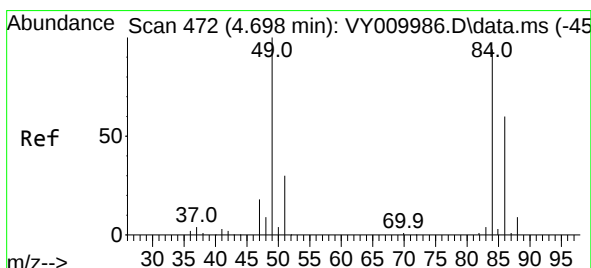
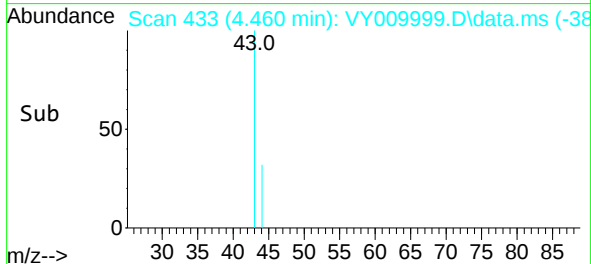
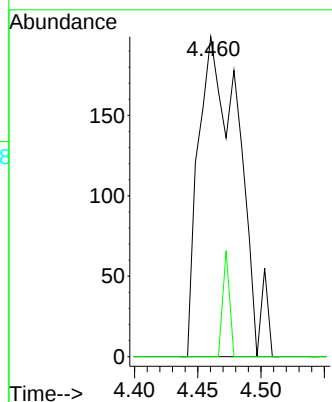
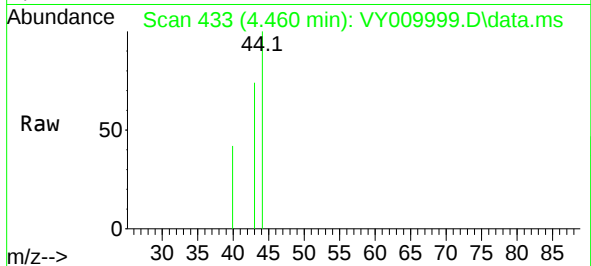




#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

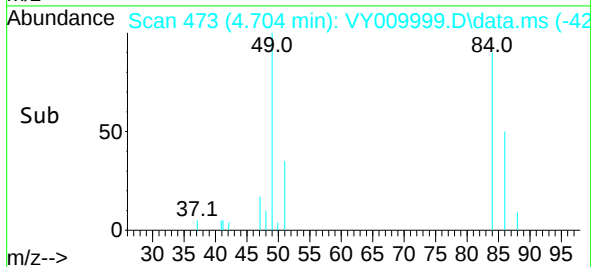
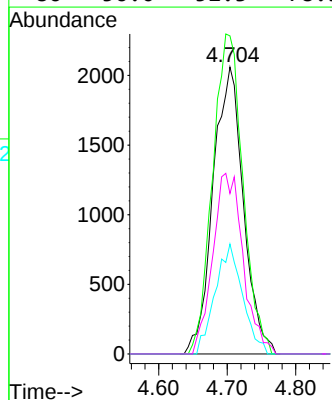
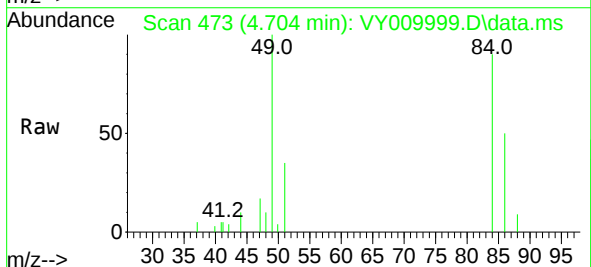
Instrument :
MSVOA_Y
ClientSampleId :
290533

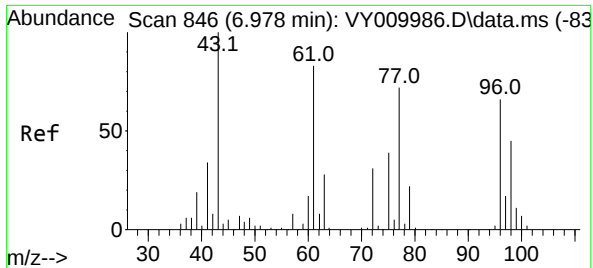
Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
74 5.4 18.8 28.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Tgt Ion: 84 Resp: 6320
Ion Ratio Lower Upper
84 100
49 110.9 98.2 147.4
51 38.3 33.4 50.0
86 56.0 52.3 78.5





#25

2-Butanone

Concen: 4.706 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009999.D

Acq: 12 Aug 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

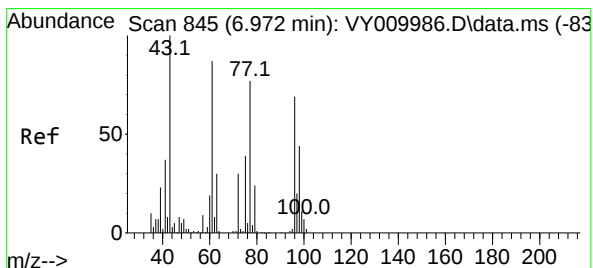
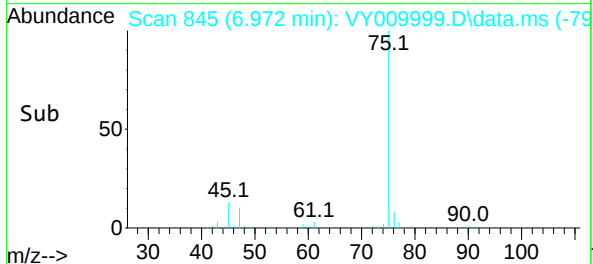
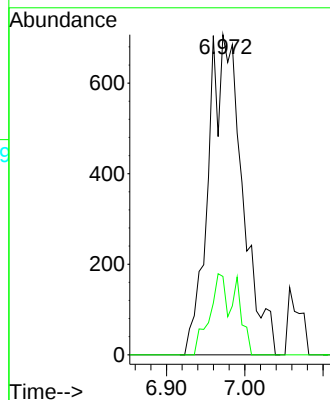
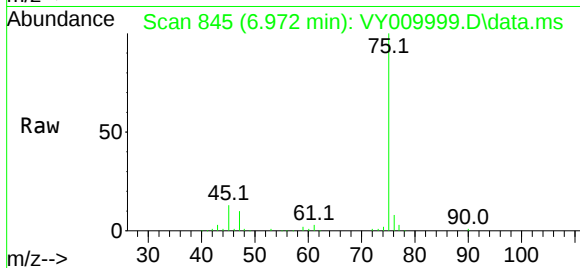
290533

Tgt Ion: 43 Resp: 2144

Ion Ratio Lower Upper

43 100

72 24.5 21.5 32.3



#26

2,2-Dichloropropane

Concen: 1.461 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009999.D

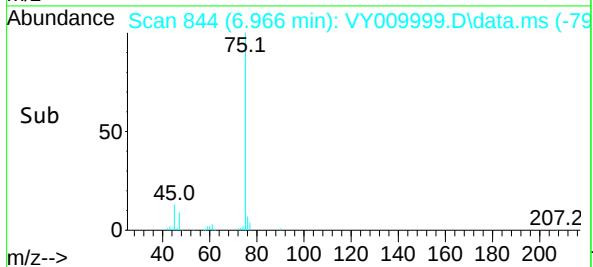
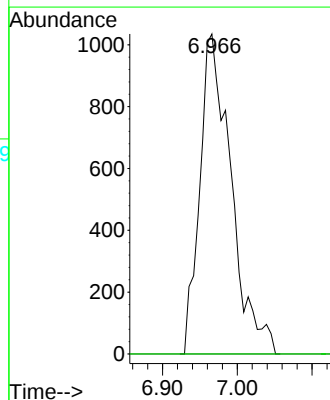
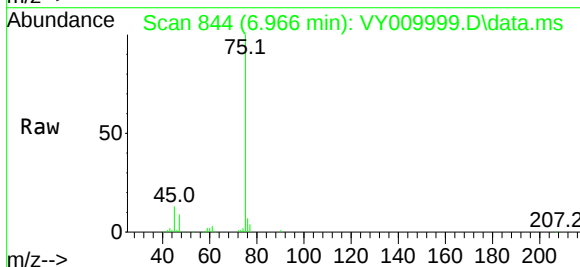
Acq: 12 Aug 2022 20:22

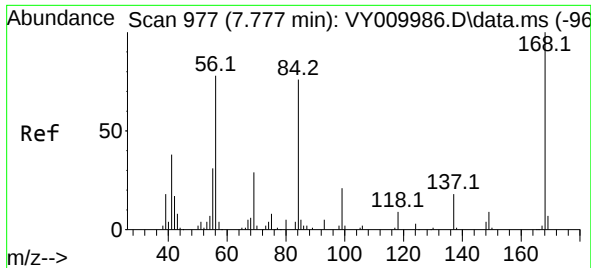
Tgt Ion: 77 Resp: 3014

Ion Ratio Lower Upper

77 100

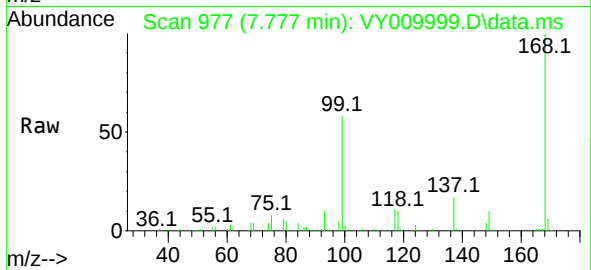
97 0.0 11.7 35.0#



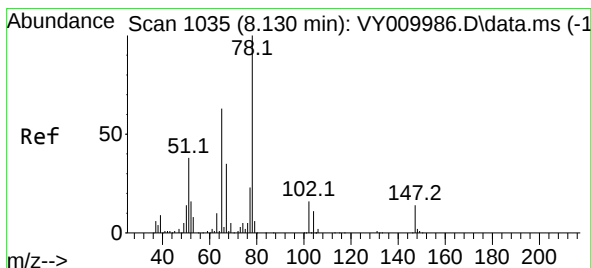
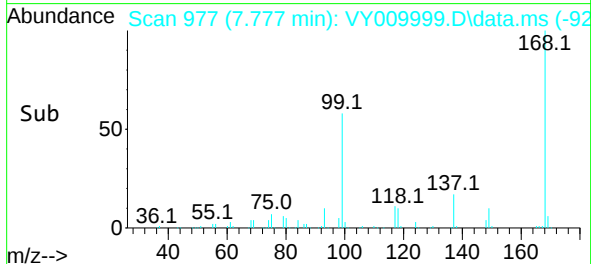
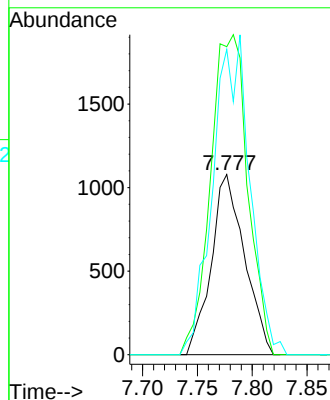


#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Instrument :
MSVOA_Y
ClientSampleId :
290533

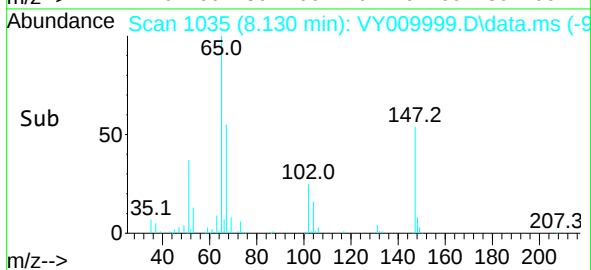
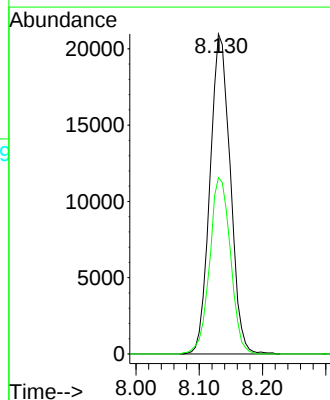
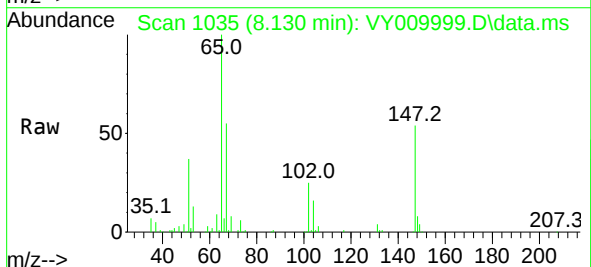


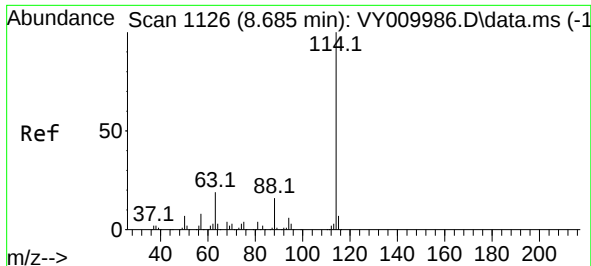
Tgt Ion: 56 Resp: 2282
Ion Ratio Lower Upper
56 100
69 171.0 26.0 39.0#
84 169.5 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 38.140 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Tgt Ion: 65 Resp: 46624
Ion Ratio Lower Upper
65 100
67 56.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009999.D

Acq: 12 Aug 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

290533

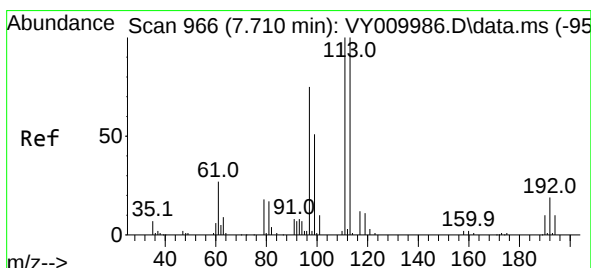
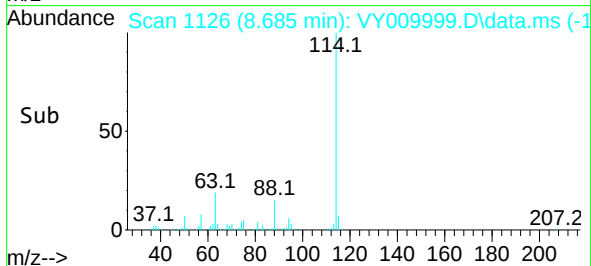
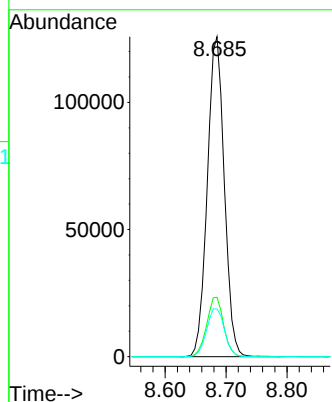
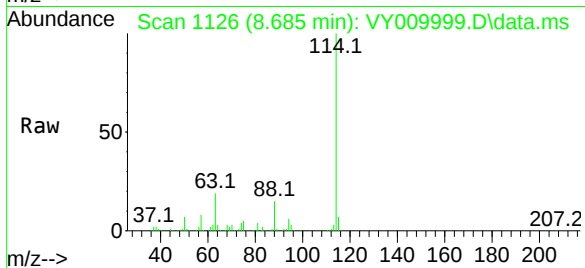
Tgt Ion:114 Resp: 243201

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.0

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 32.186 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009999.D

Acq: 12 Aug 2022 20:22

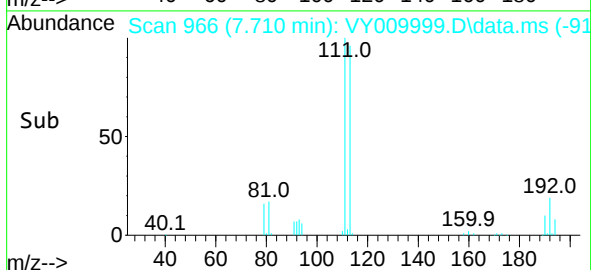
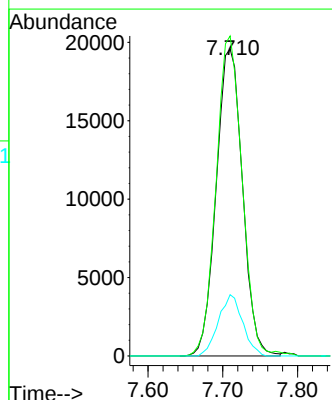
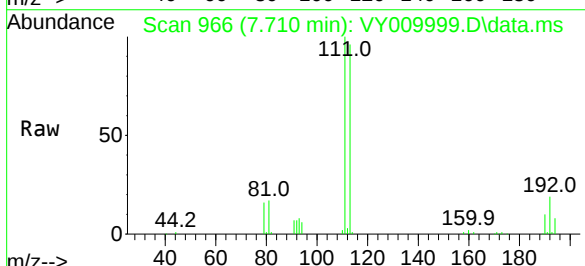
Tgt Ion:113 Resp: 47909

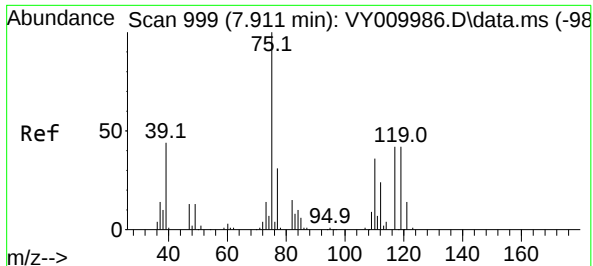
Ion Ratio Lower Upper

113 100

111 103.1 80.6 120.8

192 18.4 16.2 24.4

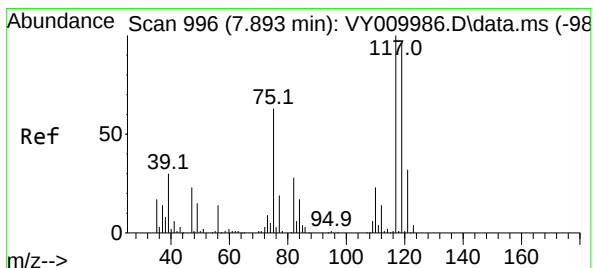
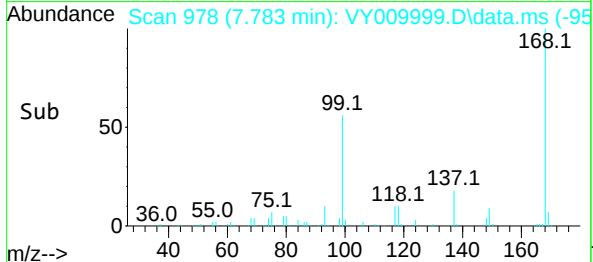
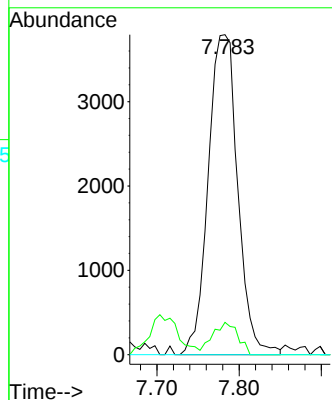
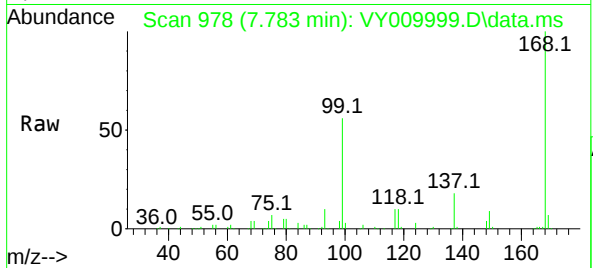




#36
1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

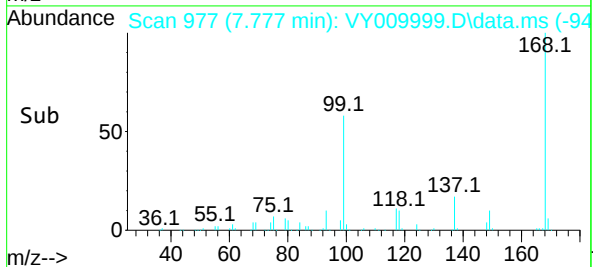
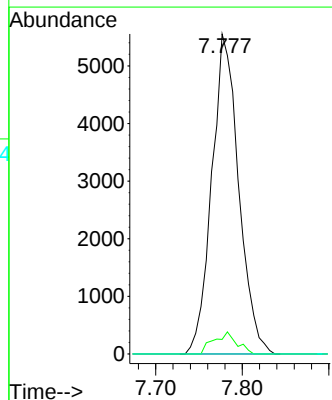
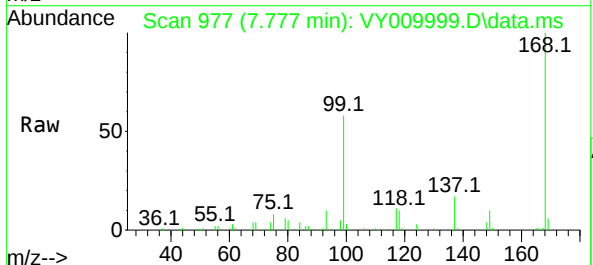
Instrument :
MSVOA_Y
ClientSampleId :
290533

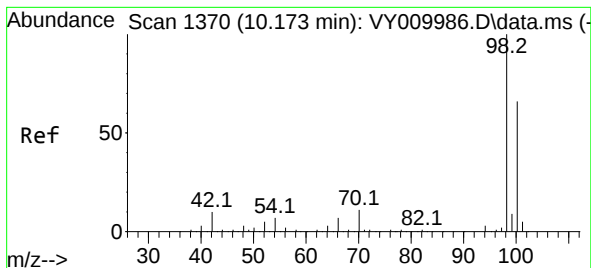
Tgt Ion: 75 Resp: 9480
Ion Ratio Lower Upper
75 100
110 8.6 18.6 56.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.416 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Tgt Ion: 117 Resp: 11981
Ion Ratio Lower Upper
117 100
119 4.5 75.9 113.9#
121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 31.113 ug/l

RT: 10.173 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009999.D

Acq: 12 Aug 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

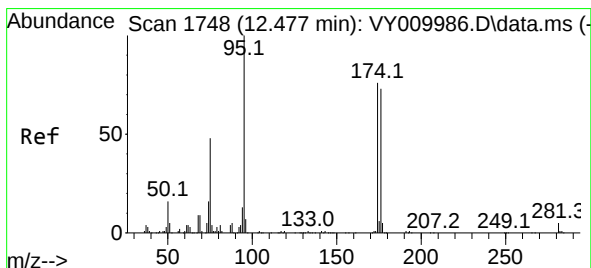
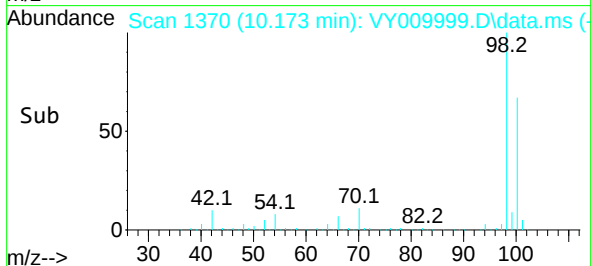
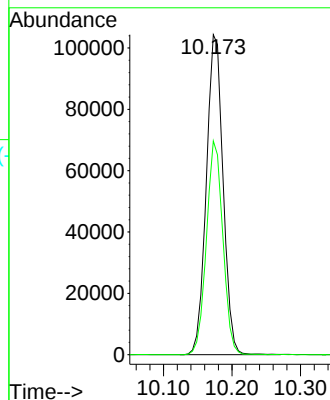
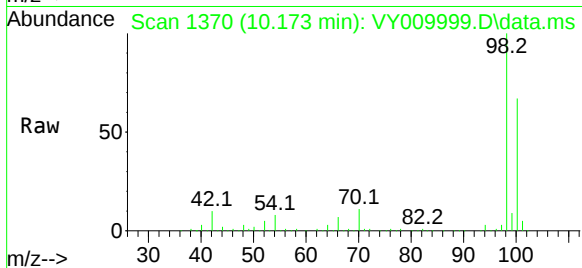
290533

Tgt Ion: 98 Resp: 177448

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 30.486 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009999.D

Acq: 12 Aug 2022 20:22

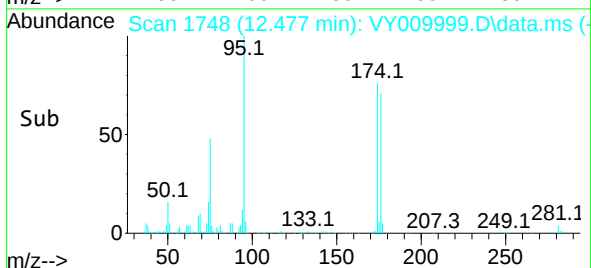
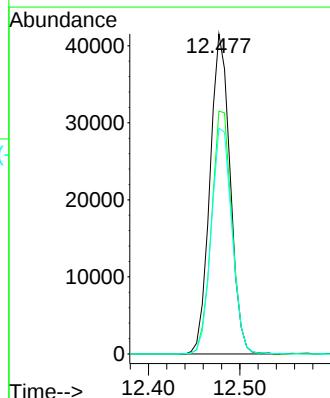
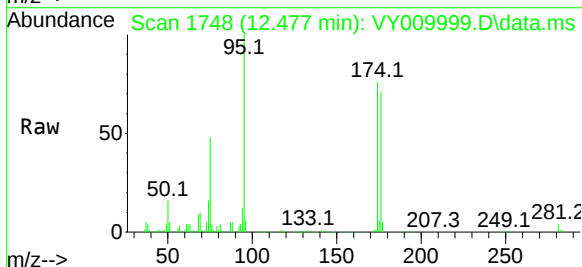
Tgt Ion: 95 Resp: 63704

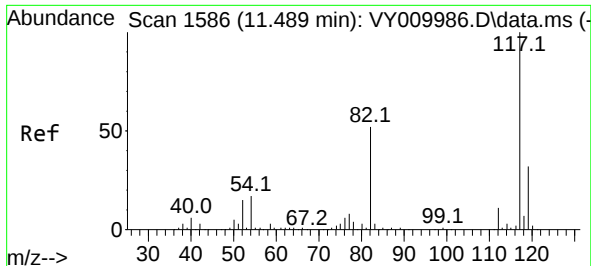
Ion Ratio Lower Upper

95 100

174 76.9 0.0 173.8

176 72.5 0.0 167.0

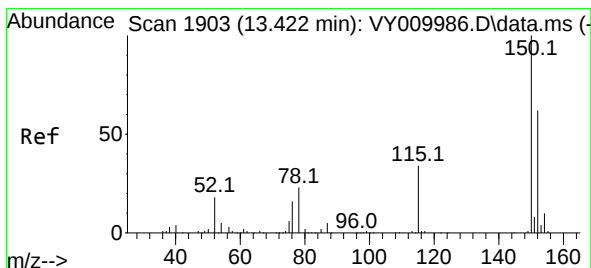
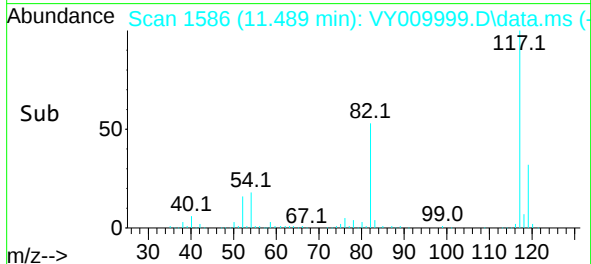
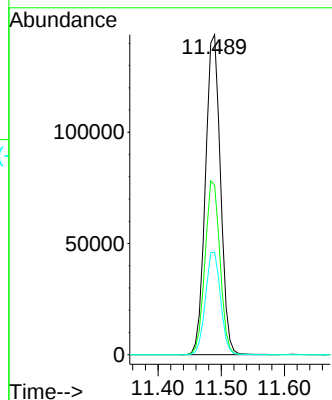
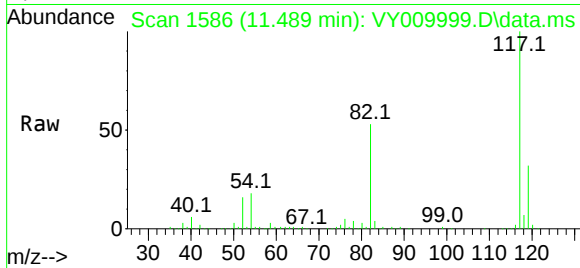




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

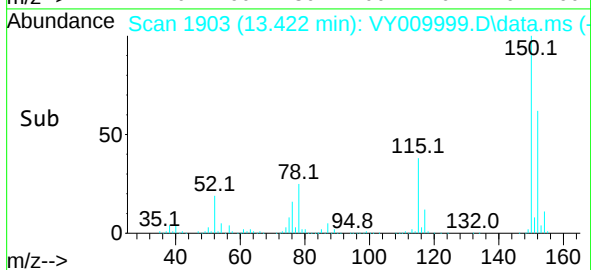
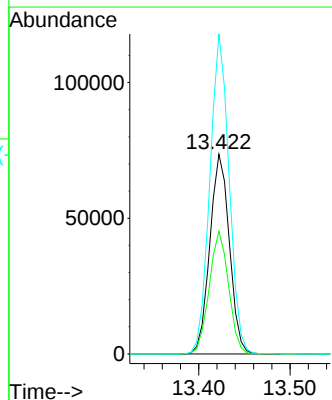
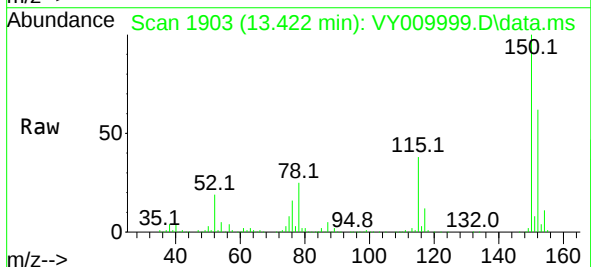
Instrument :
MSVOA_Y
ClientSampleId :
290533

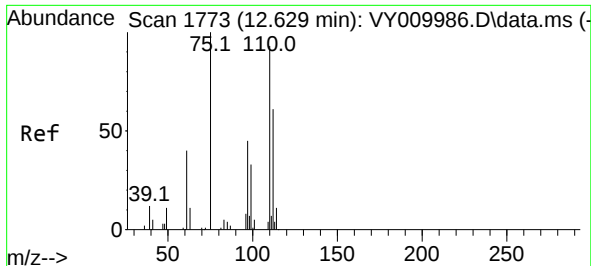
Tgt Ion:117 Resp: 238665
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.6
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Tgt Ion:152 Resp: 109086
Ion Ratio Lower Upper
152 100
115 61.0 28.6 85.9
150 157.9 0.0 349.8

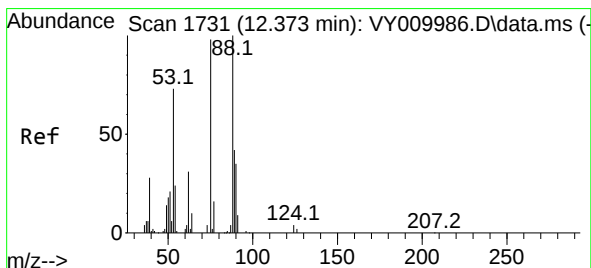
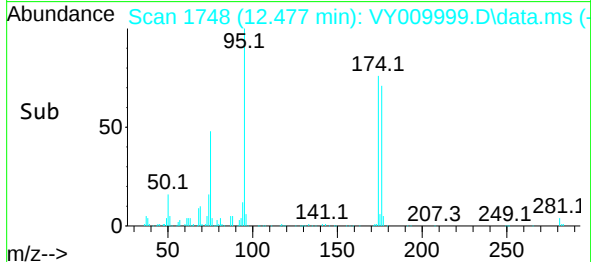
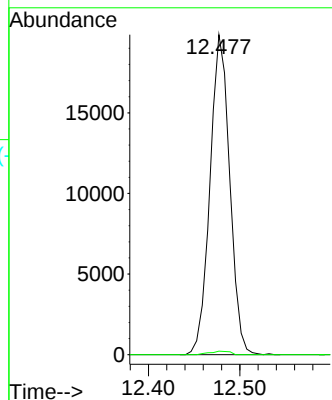
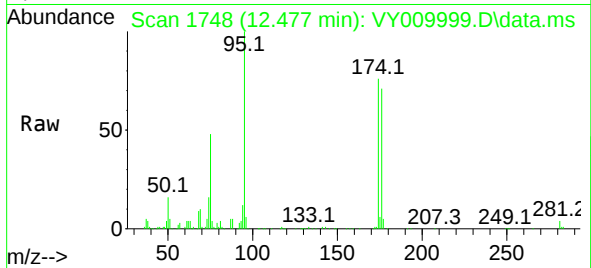




#76
1,2,3-Trichloropropane
Concen: 23.627 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

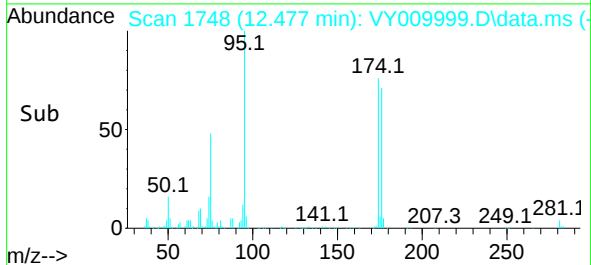
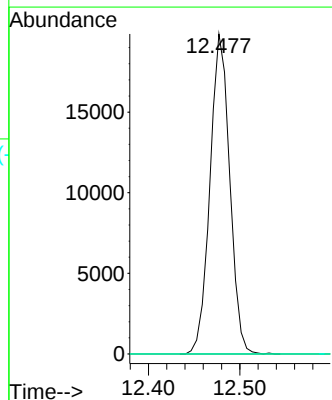
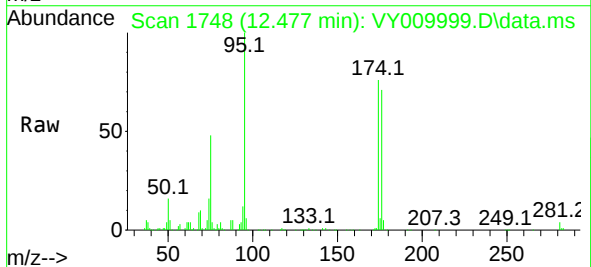
Instrument :
MSVOA_Y
ClientSampleId :
290533

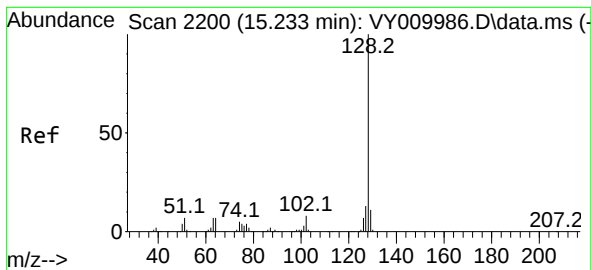
Tgt Ion: 75 Resp: 29784
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.361 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

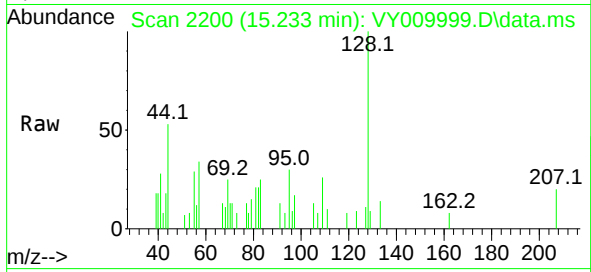
Tgt Ion: 75 Resp: 29784
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 38.1 57.1#





#95
Naphthalene
Concen: 3.365 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY009999.D
Acq: 12 Aug 2022 20:22

Instrument :
MSVOA_Y
ClientSampleId :
290533



Tgt Ion:128 Resp: 1356
Ion Ratio Lower Upper
128 100
127 7.8 10.6 15.8#
129 8.0 8.8 13.2#

