

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081422\
 Data File : VY010006.D
 Acq On : 14 Aug 2022 18:40
 Operator : KP/MD
 Sample : N4189-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB18

Quant Time: Aug 15 00:41:03 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)

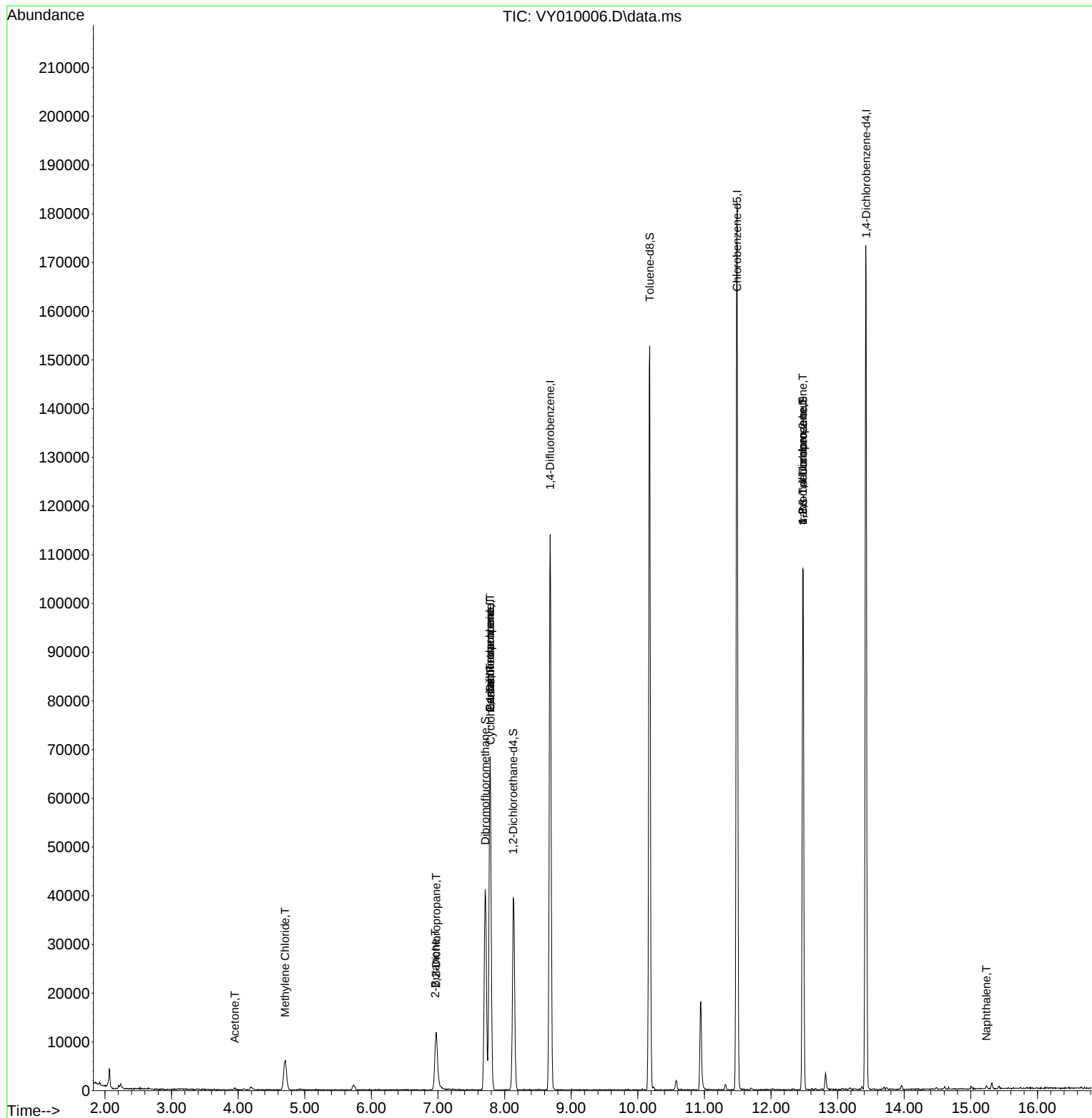
Internal Standards						
1) Pentafluorobenzene	7.782	168	53318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	103133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	106172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	30277	55.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	111.960%		
35) Dibromofluoromethane	7.709	113	30184	47.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.640%		
50) Toluene-d8	10.178	98	104106	43.044	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.080%		
62) 4-Bromofluorobenzene	12.477	95	37527	42.349	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.700%		
Target Compounds						Qvalue
5) Bromomethane	2.649	94	124	Below Cal		82
11) Tert butyl alcohol	4.954	59	146	Below Cal	#	78
16) Acetone	3.948	43	522	4.019	ug/l #	86
18) Methyl Acetate	4.472	43	39	Below Cal	#	52
20) Methylene Chloride	4.704	84	5566	2.506	ug/l #	77
25) 2-Butanone	6.959	43	258	1.280	ug/l #	48
26) 2,2-Dichloropropane	6.972	77	997	1.092	ug/l #	52
31) Cyclohexane	7.789	56	981	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	4064	4.324	ug/l #	48
38) Carbon Tetrachloride	7.782	117	5357	5.711	ug/l #	19
76) 1,2,3-Trichloropropane	12.477	75	17196	31.531	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17196	68.542	ug/l #	13
95) Naphthalene	15.232	128	705	3.425	ug/l #	79

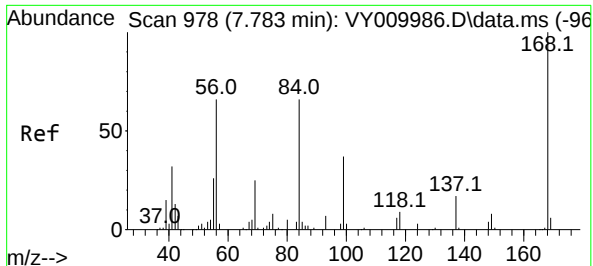
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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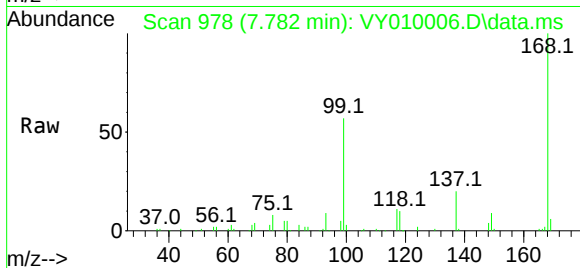
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 13 02:54:57 2022
Response via : Initial Calibration



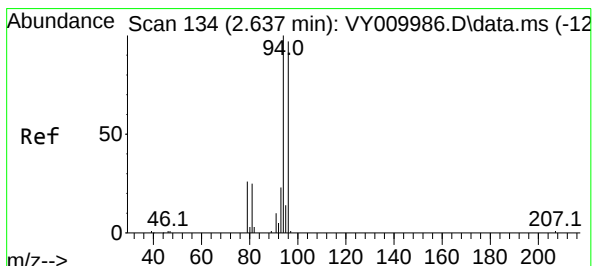
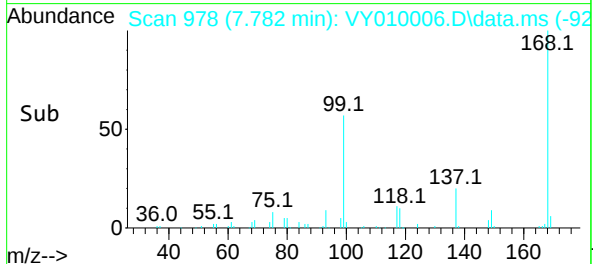
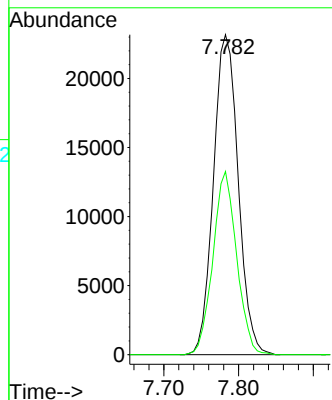


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Instrument :
MSVOA_Y
ClientSampleId :
SB18

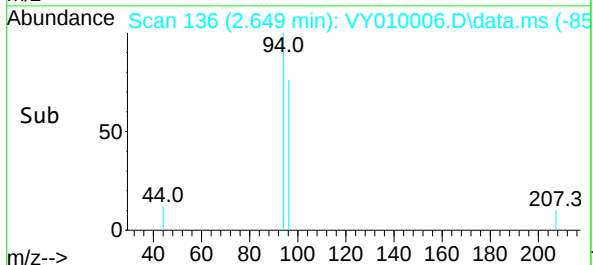
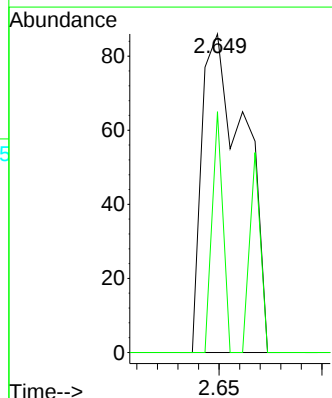
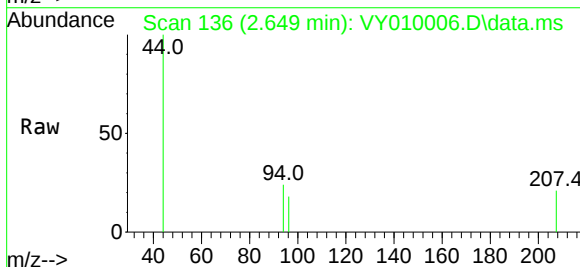


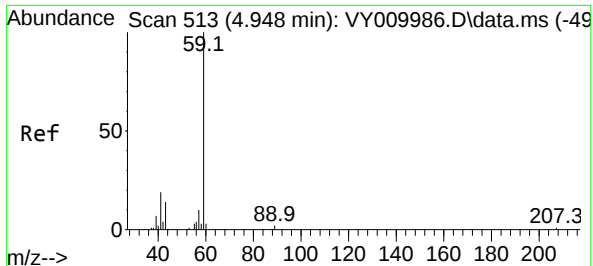
Tgt Ion:168 Resp: 53318
Ion Ratio Lower Upper
168 100
99 57.2 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 136
Delta R.T. 0.012 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 75.6 74.6 111.8





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 513

Delta R.T. 0.006 min

Lab File: VY010006.D

Acq: 14 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

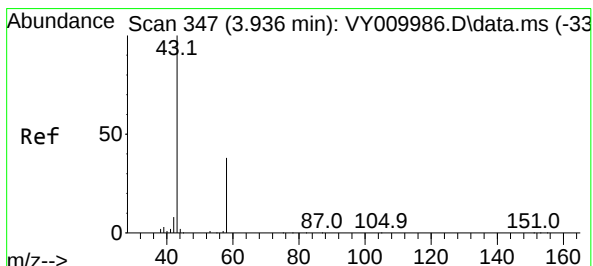
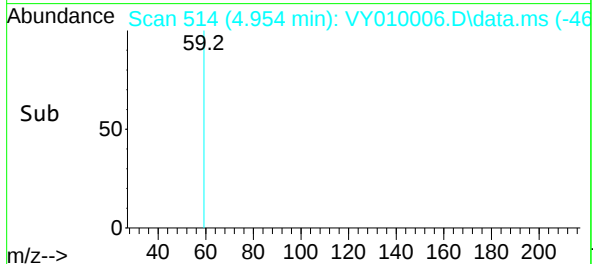
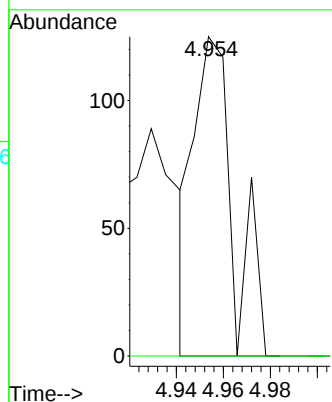
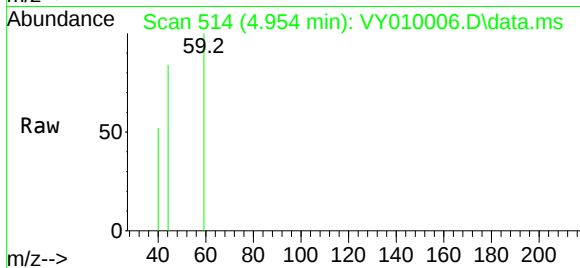
SB18

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

59 100

57 0.0 6.3 9.5#



#16

Acetone

Concen: 4.019 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010006.D

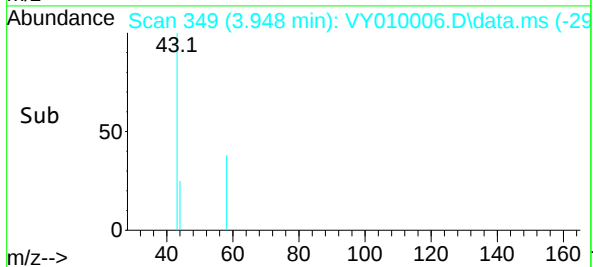
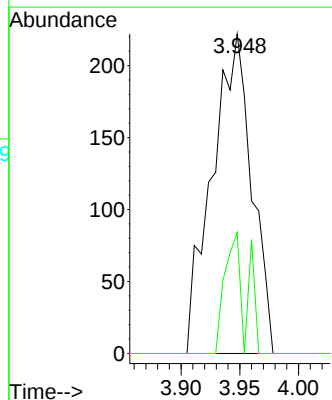
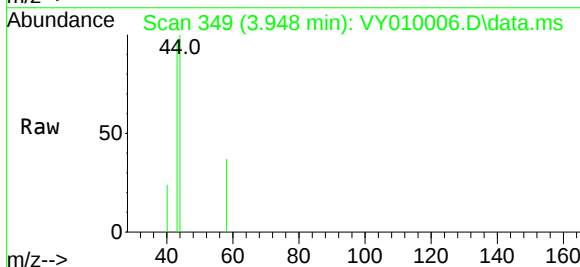
Acq: 14 Aug 2022 18:40

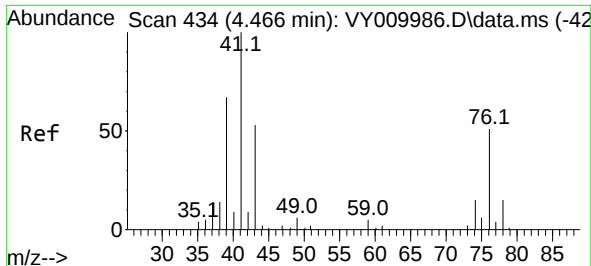
Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

58 37.8 24.0 36.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY010006.D

Acq: 14 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

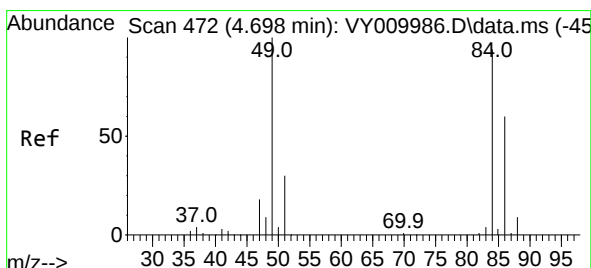
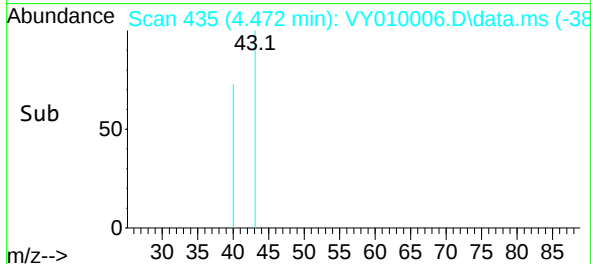
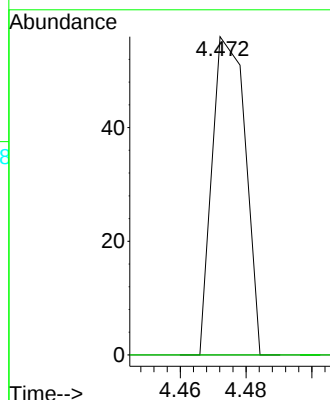
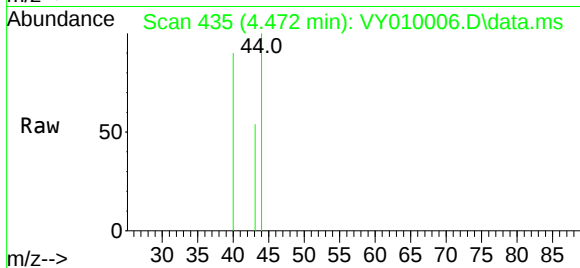
SB18

Tgt Ion: 43 Resp: 39

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



#20

Methylene Chloride

Concen: 2.506 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY010006.D

Acq: 14 Aug 2022 18:40

Tgt Ion: 84 Resp: 5566

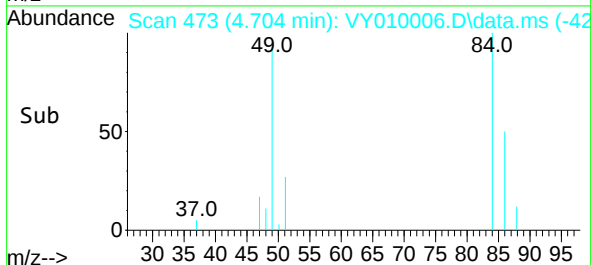
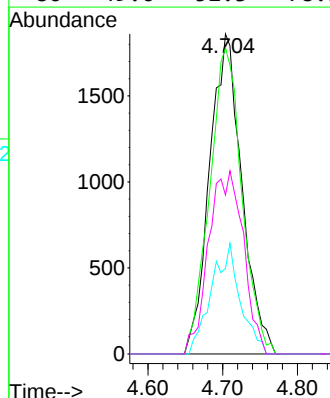
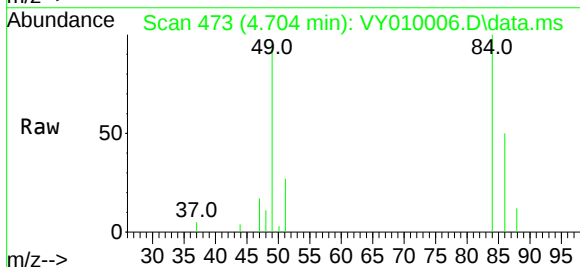
Ion Ratio Lower Upper

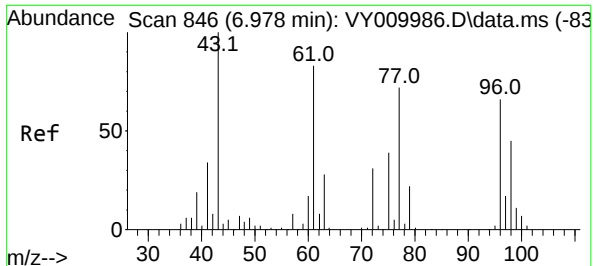
84 100

49 95.6 98.2 147.4#

51 26.7 33.4 50.0#

86 49.6 52.3 78.5#





#25

2-Butanone

Concen: 1.280 ug/l

RT: 6.959 min Scan# 84

Delta R.T. -0.019 min

Lab File: VY010006.D

Acq: 14 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

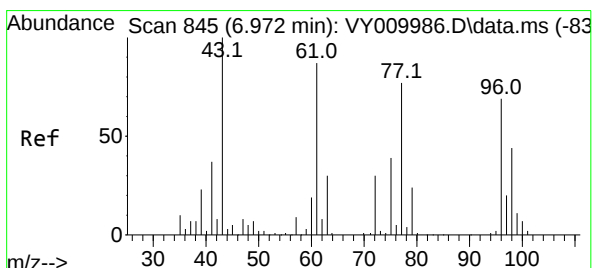
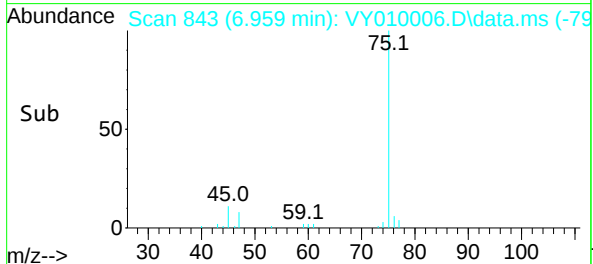
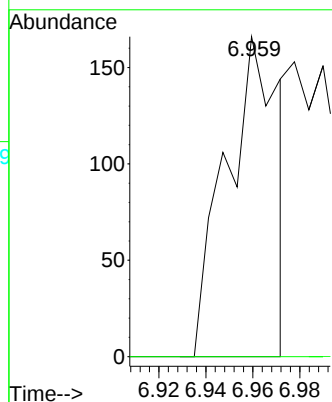
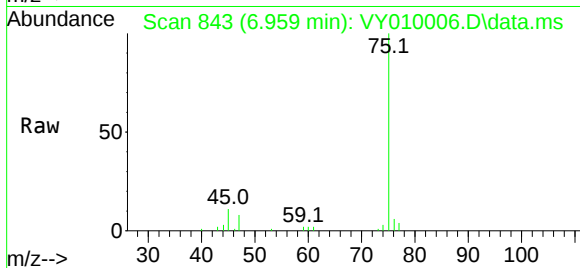
SB18

Tgt Ion: 43 Resp: 258

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.092 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010006.D

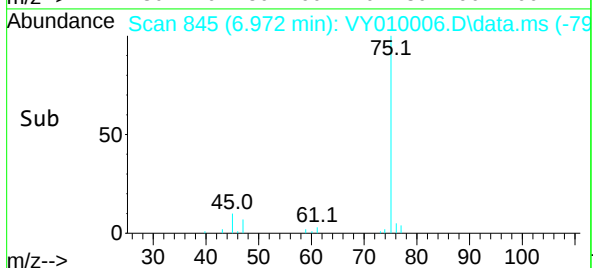
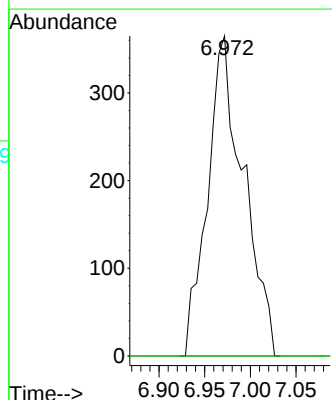
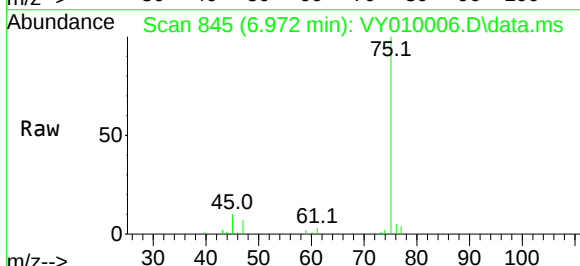
Acq: 14 Aug 2022 18:40

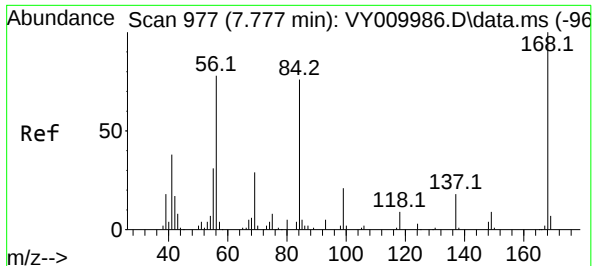
Tgt Ion: 77 Resp: 997

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

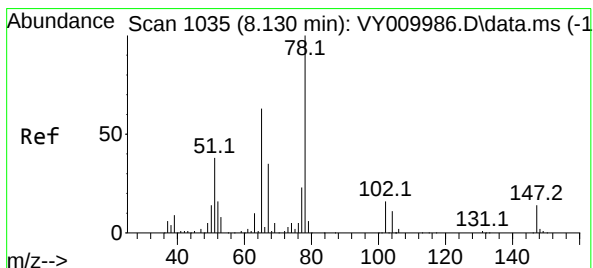
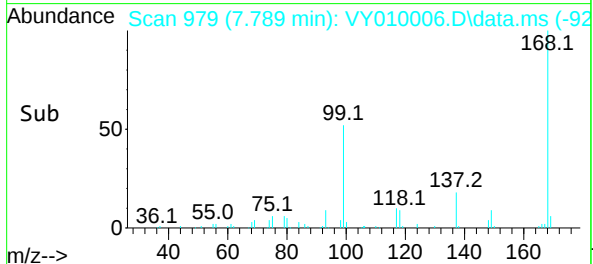
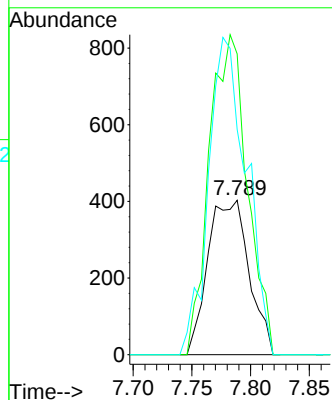
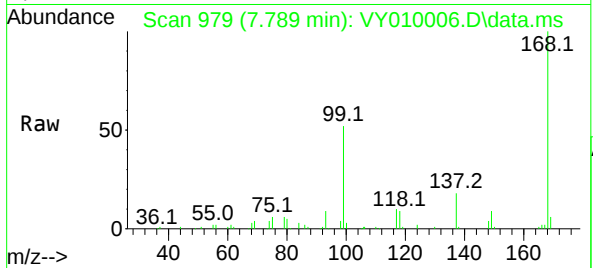




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

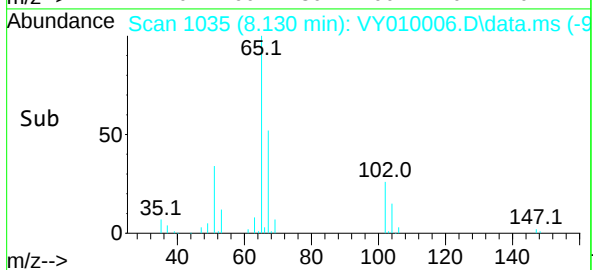
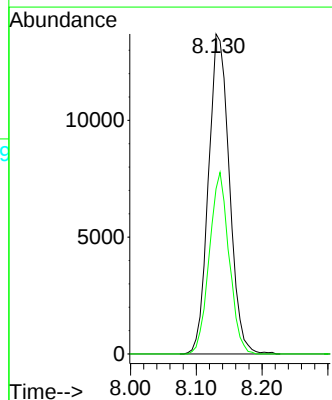
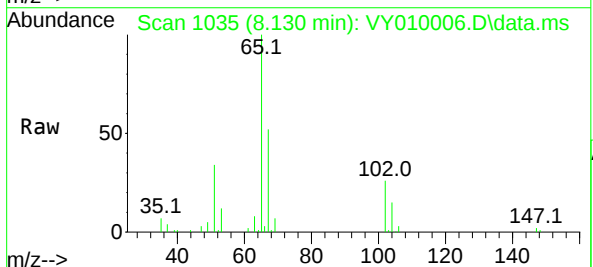
Instrument :
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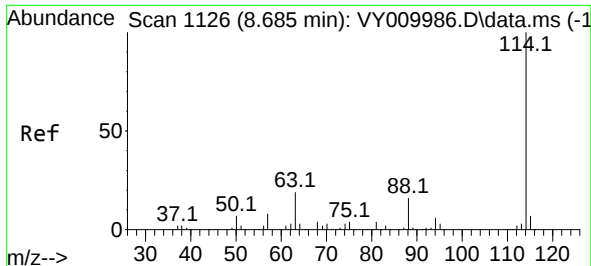
Tgt Ion: 56 Resp: 981
Ion Ratio Lower Upper
56 100
69 194.8 26.0 39.0#
84 145.9 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 55.979 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Tgt Ion: 65 Resp: 30277
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.4

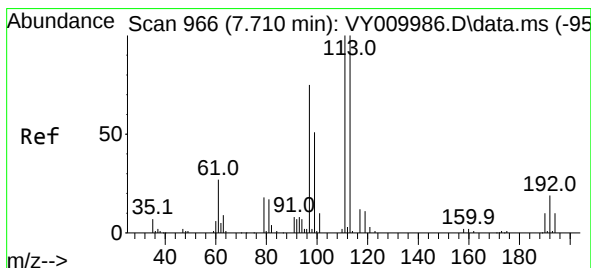
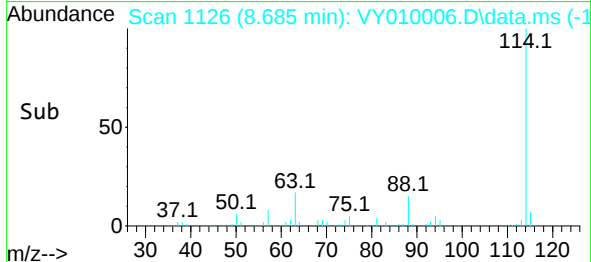
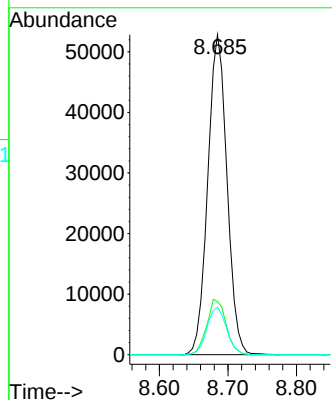
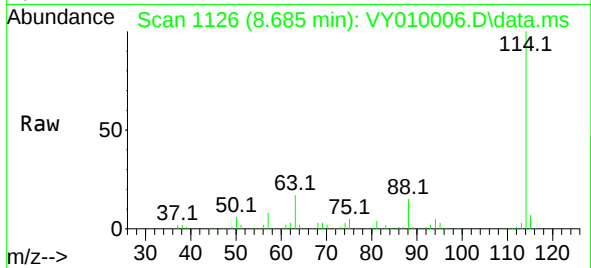




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

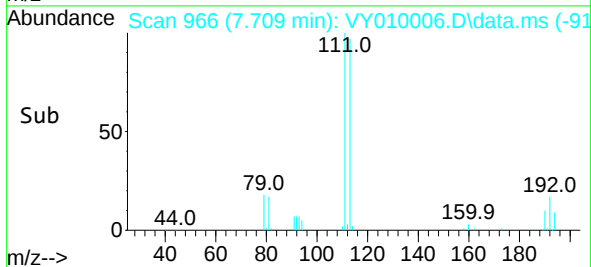
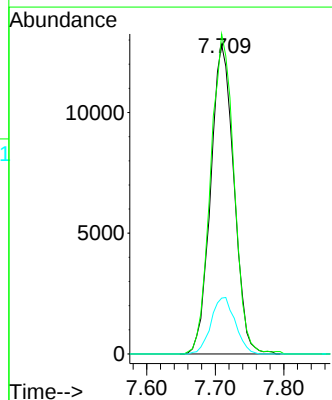
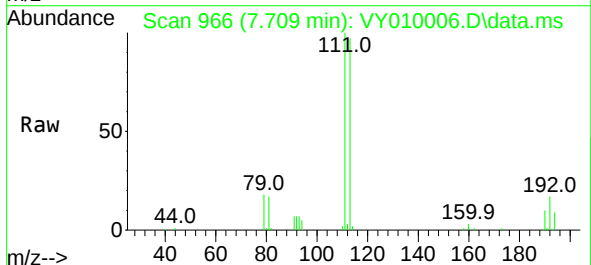
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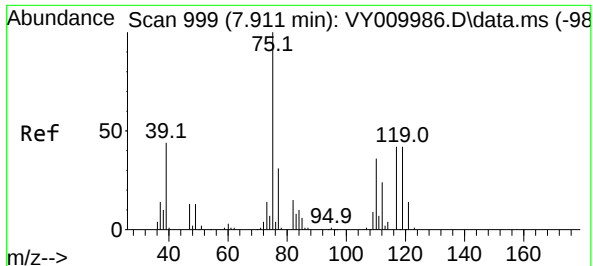
Tgt Ion:114 Resp: 103133
Ion Ratio Lower Upper
114 100
63 16.6 0.0 38.0
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 47.819 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Tgt Ion:113 Resp: 30184
Ion Ratio Lower Upper
113 100
111 104.3 80.6 120.8
192 19.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.324 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010006.D

Acq: 14 Aug 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

SB18

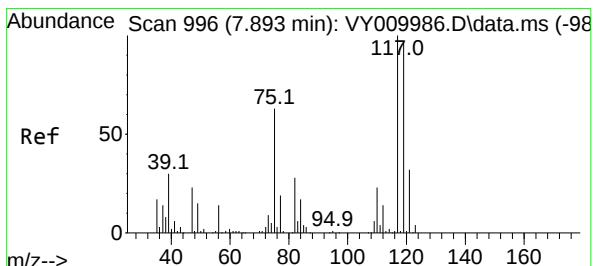
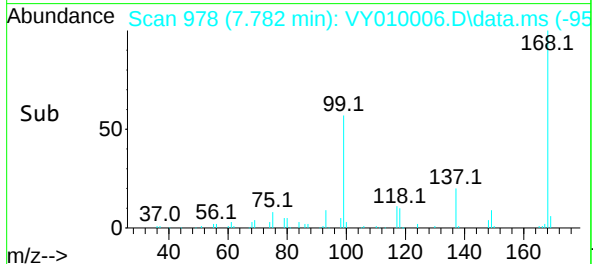
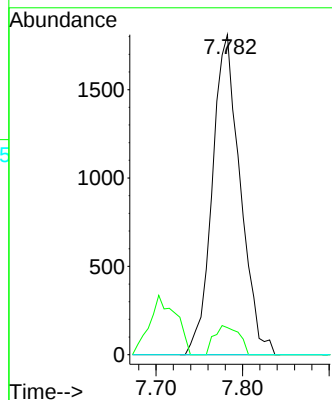
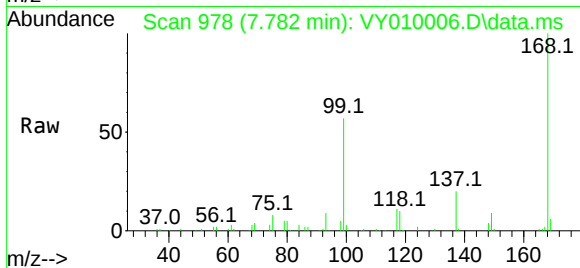
Tgt Ion: 75 Resp: 4064

Ion Ratio Lower Upper

75 100

110 8.0 18.6 56.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.711 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010006.D

Acq: 14 Aug 2022 18:40

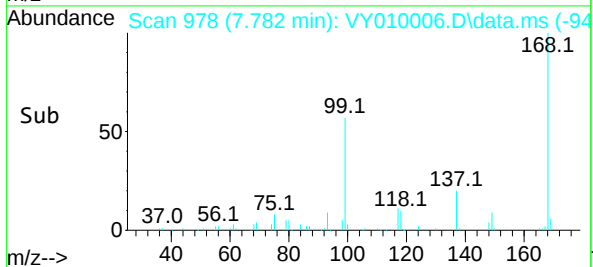
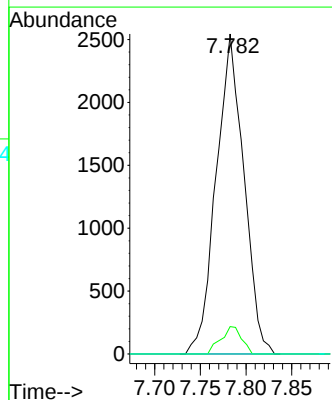
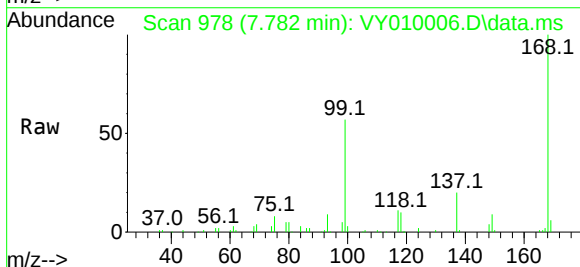
Tgt Ion: 117 Resp: 5357

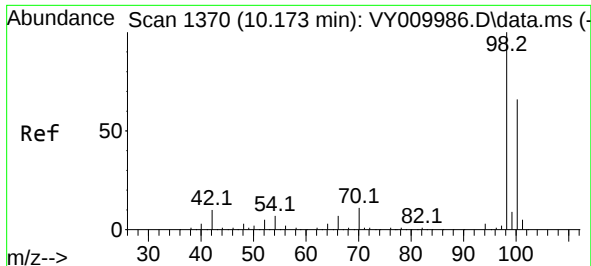
Ion Ratio Lower Upper

117 100

119 8.6 75.9 113.9#

121 0.0 24.9 37.3#

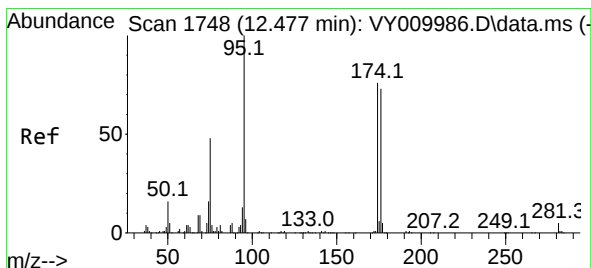
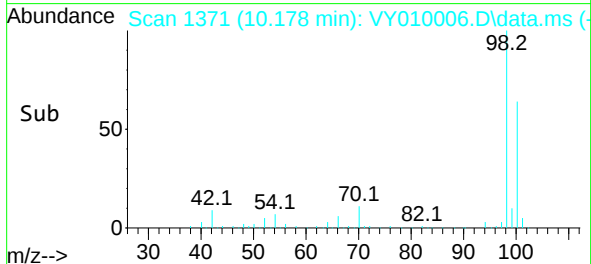
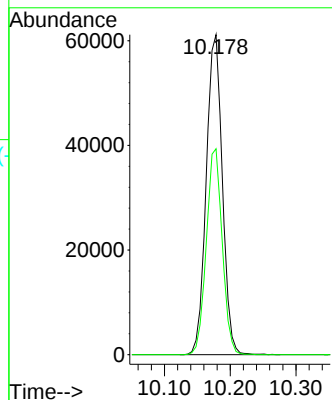
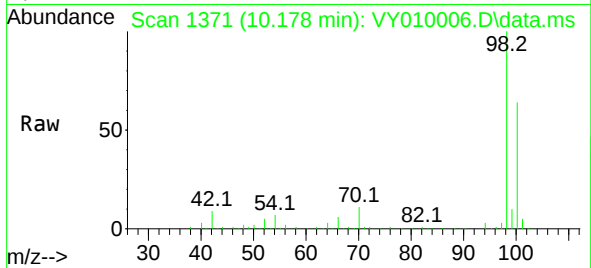




#50
Toluene-d8
Concen: 43.044 ug/l
RT: 10.178 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

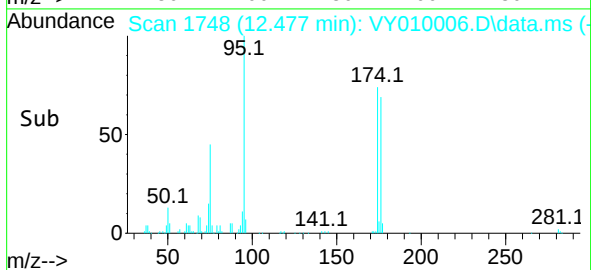
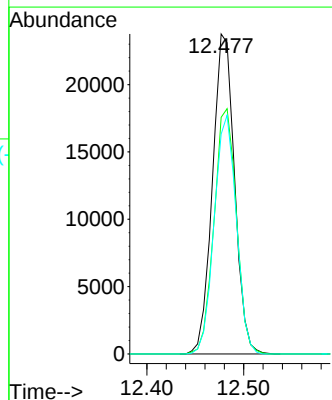
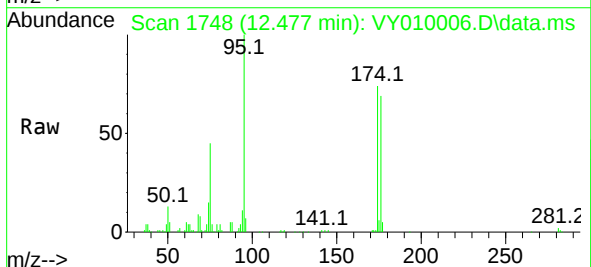
Instrument :
MSVOA_Y
ClientSampleId :
SB18

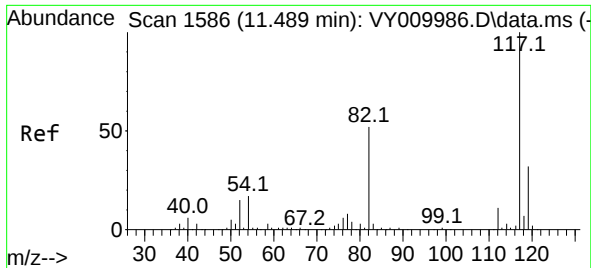
Tgt Ion: 98 Resp: 104106
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 42.349 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Tgt Ion: 95 Resp: 37527
Ion Ratio Lower Upper
95 100
174 77.7 0.0 173.8
176 74.7 0.0 167.0

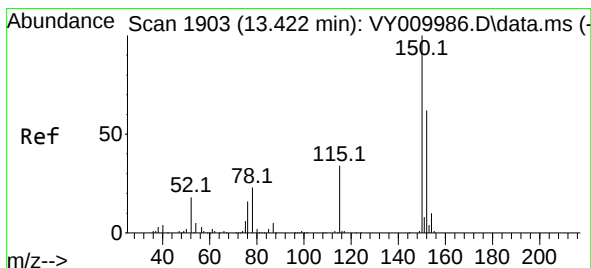
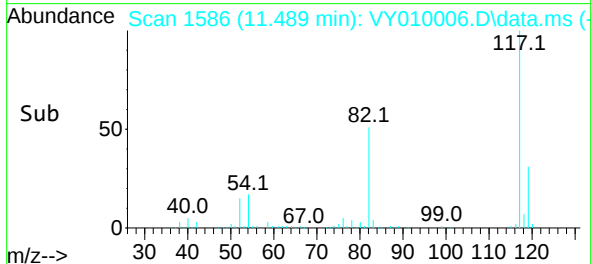
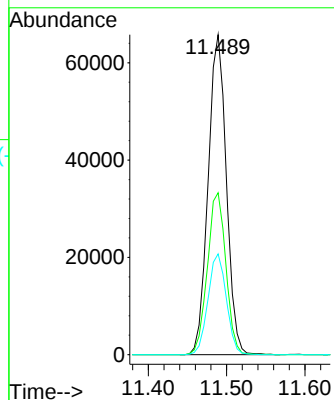
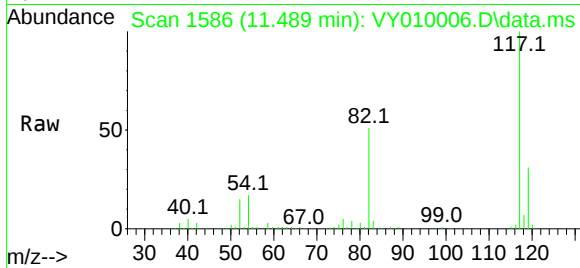




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

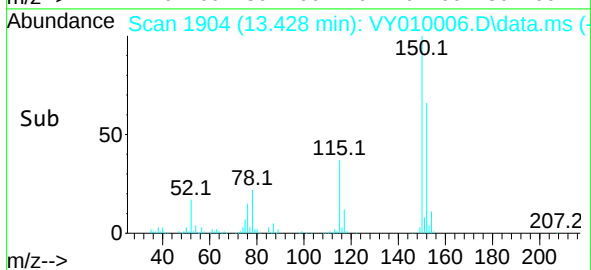
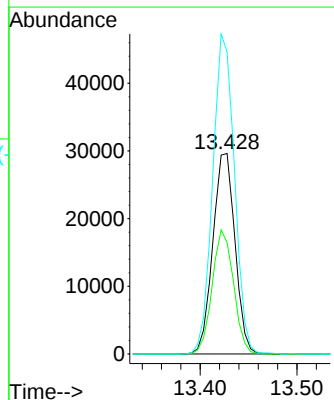
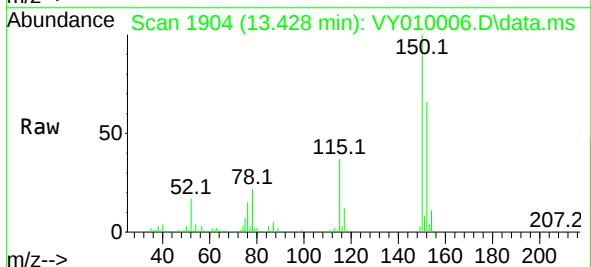
Instrument :
MSVOA_Y
ClientSampleId :
SB18

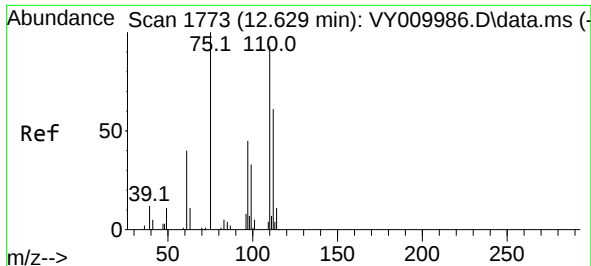
Tgt Ion:117 Resp: 106172
Ion Ratio Lower Upper
117 100
82 50.6 41.8 62.6
119 31.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Tgt Ion:152 Resp: 47194
Ion Ratio Lower Upper
152 100
115 59.4 28.6 85.9
150 156.2 0.0 349.8

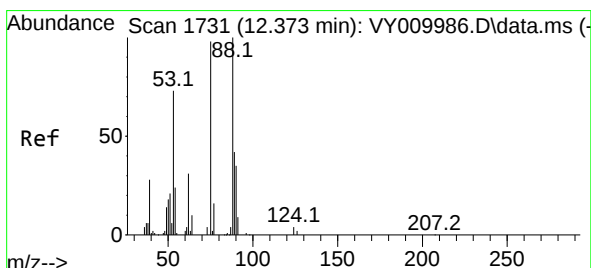
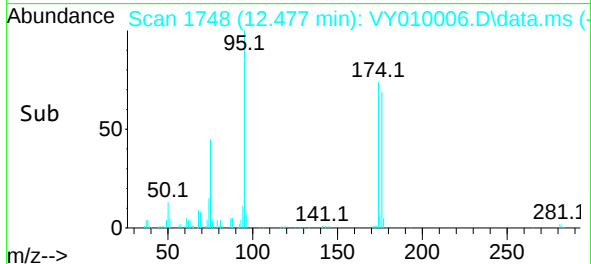
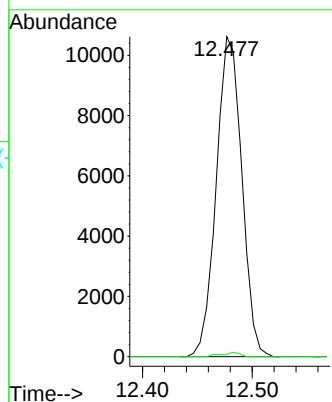
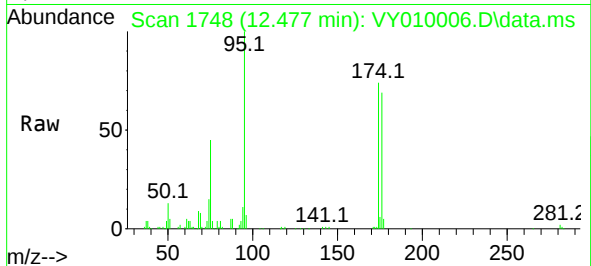




#76
1,2,3-Trichloropropane
Concen: 31.531 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

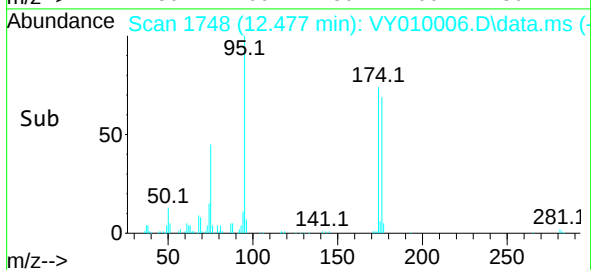
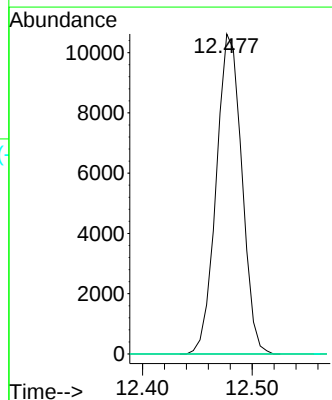
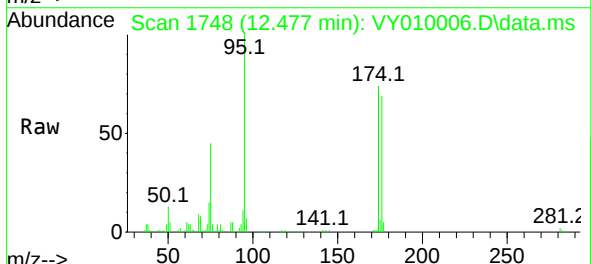
Instrument :
MSVOA_Y
ClientSampleId :
SB18

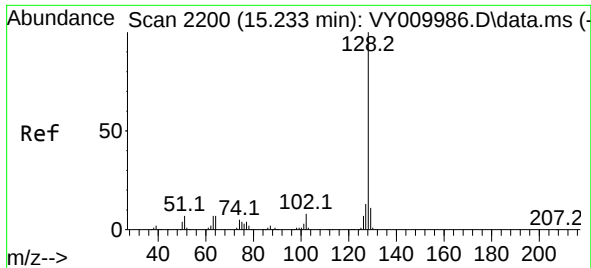
Tgt Ion: 75 Resp: 17196
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.542 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

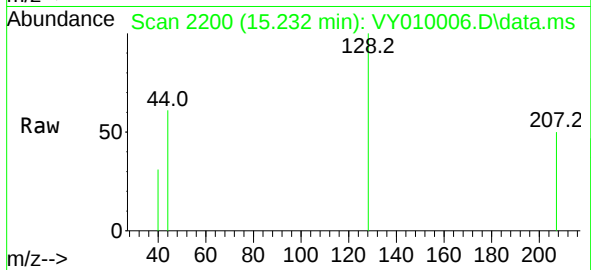
Tgt Ion: 75 Resp: 17196
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 38.1 57.1#





#95
Naphthalene
Concen: 3.425 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY010006.D
Acq: 14 Aug 2022 18:40

Instrument :
MSVOA_Y
ClientSampleId :
SB18



Tgt Ion:128 Resp: 705
Ion Ratio Lower Upper
128 100
127 7.4 10.6 15.8#
129 0.0 8.8 13.2#

