

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062322\
 Data File : VY009298.D
 Acq On : 23 Jun 2022 16:44
 Operator : KP/MD
 Sample : N3462-03
 Misc : 4.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8-9-11-20220622

Quant Time: Jun 24 09:23:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

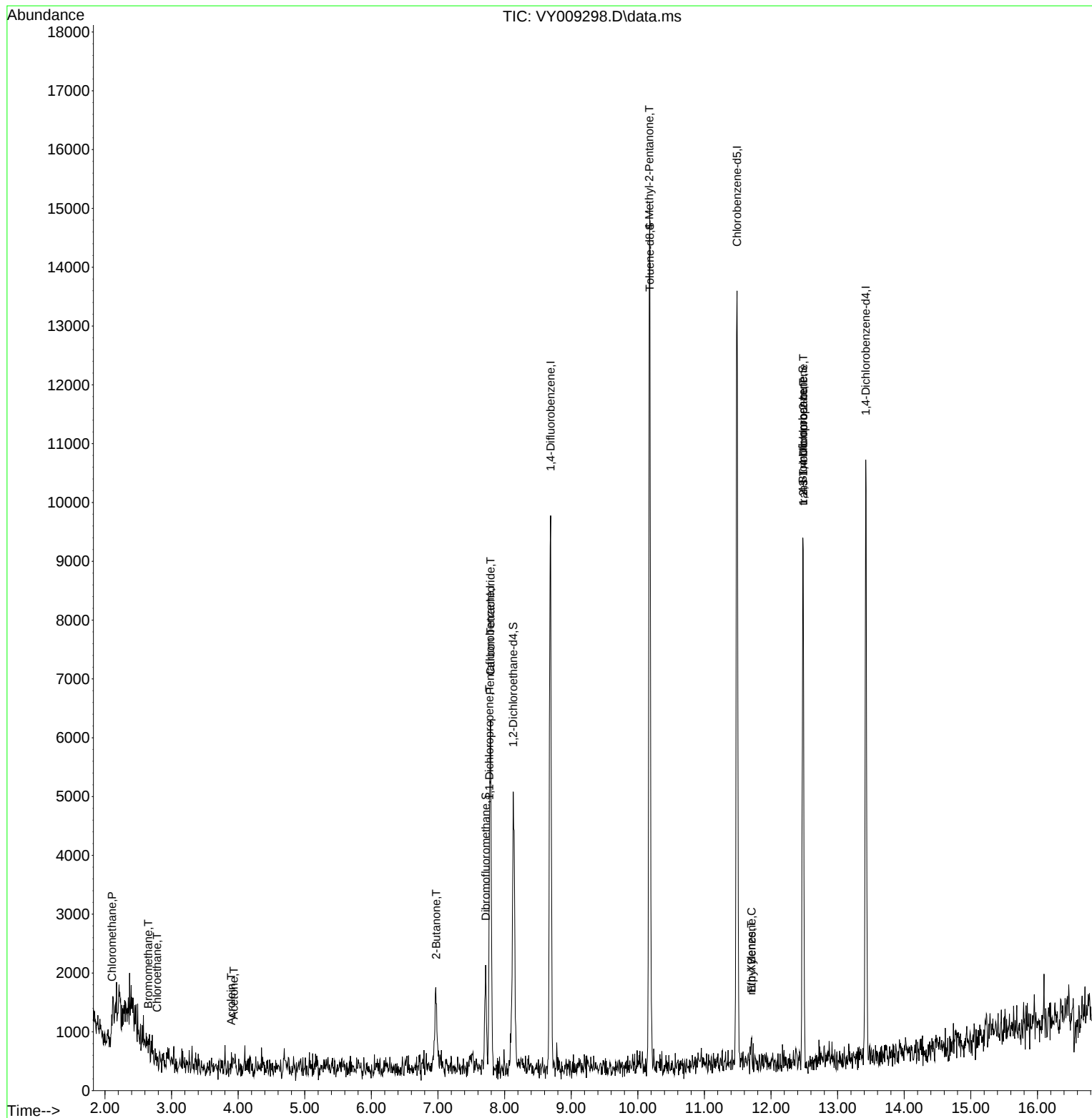
Internal Standards						
1) Pentafluorobenzene	7.783	168	4903	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	8119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	3329	61.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.640%	
35) Dibromofluoromethane	7.716	113	1209	22.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.980%#	
50) Toluene-d8	10.179	98	9241	45.751	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.500%	
62) 4-Bromofluorobenzene	12.477	95	2913	41.042	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	200	4.536	ug/l	# 44
5) Bromomethane	2.650	94	45	1.318	ug/l	# 4
6) Chloroethane	2.784	64	49	1.503	ug/l	# 43
11) Tert butyl alcohol	4.917	59	19	Below Cal	#	77
13) Acrolein	3.893	56	43	43.878	ug/l	# 14
16) Acetone	3.936	43	74	5.562	ug/l	# 47
20) Methylene Chloride	4.710	84	56	Below Cal	#	1
25) 2-Butanone	6.972	43	35	1.629	ug/l	# 54
36) 1,1-Dichloropropene	7.771	75	516	6.448	ug/l	# 42
38) Carbon Tetrachloride	7.789	117	456	5.480	ug/l	# 11
51) 4-Methyl-2-Pentanone	10.173	43	80	1.735	ug/l	# 40
67) Ethyl Benzene	11.709	91	415	1.360	ug/l	# 77
68) m/p-Xylenes	11.703	106	137	1.144	ug/l	# 39
76) 1,2,3-Trichloropropane	12.483	75	1464	45.757	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	1464	97.021	ug/l	# 7

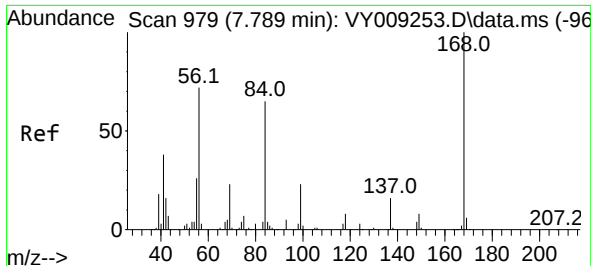
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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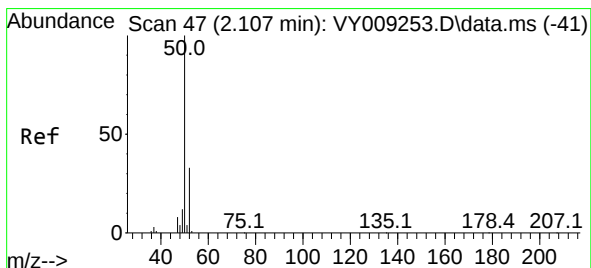
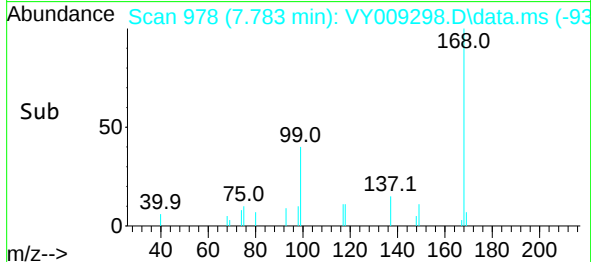
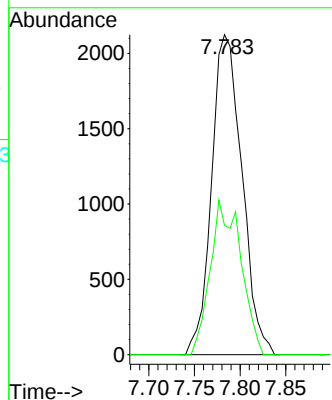
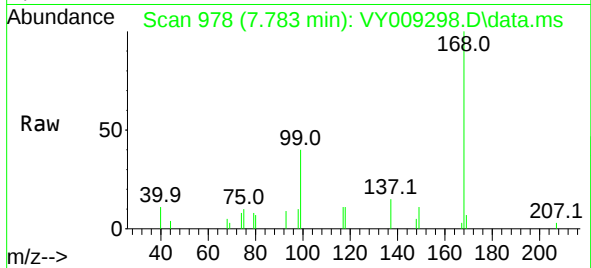




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

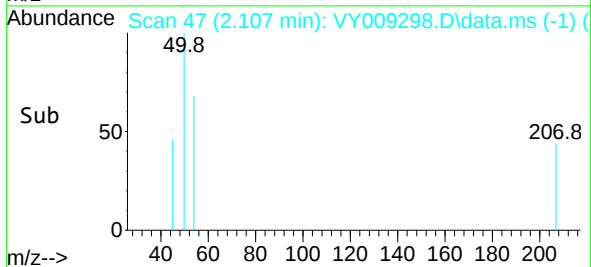
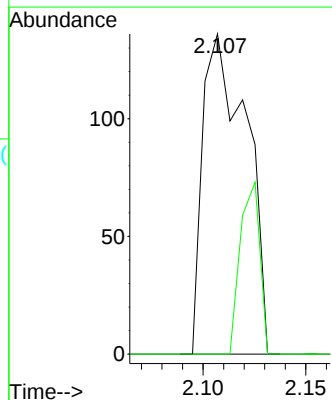
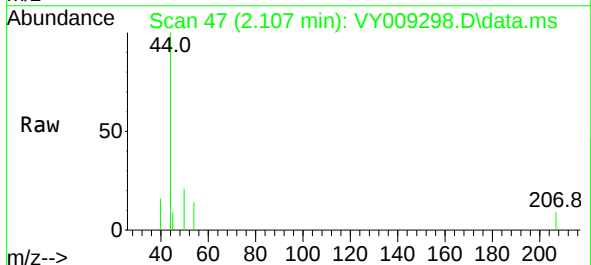
Instrument :
MSVOA_Y
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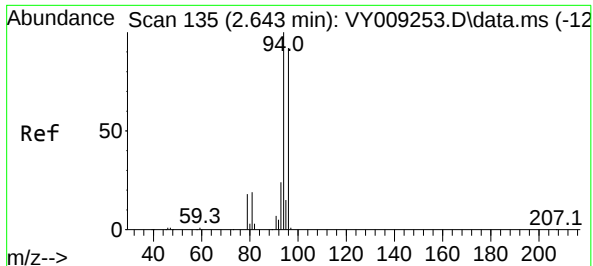
Tgt Ion:168 Resp: 4903
Ion Ratio Lower Upper
168 100
99 40.4 46.9 70.3#



#3
Chloromethane
Concen: 4.536 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

Tgt Ion: 50 Resp: 200
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

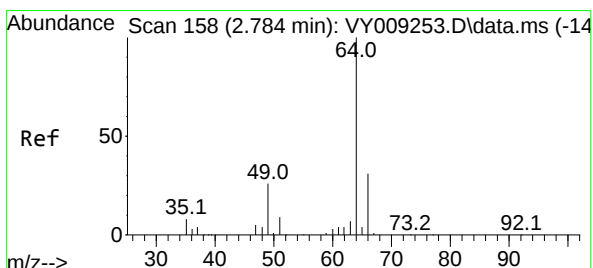
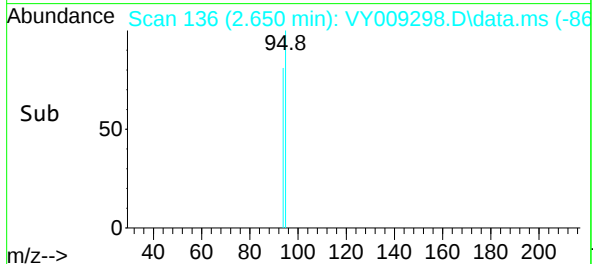
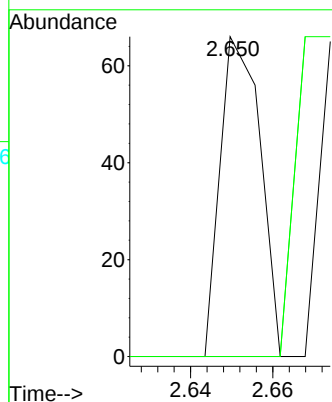
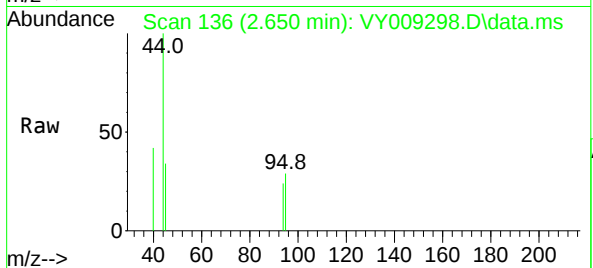




#5
Bromomethane
Concen: 1.318 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

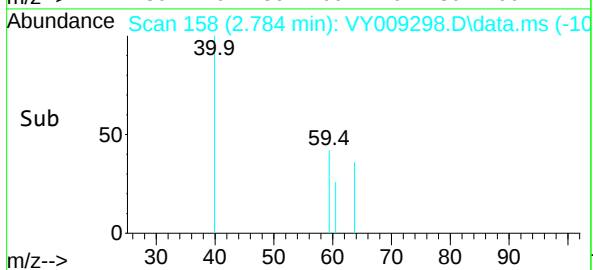
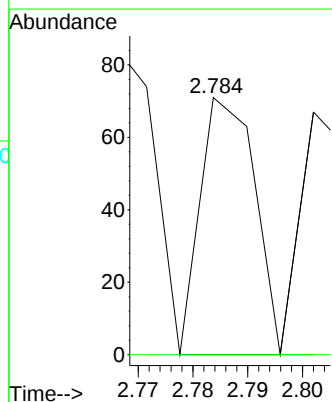
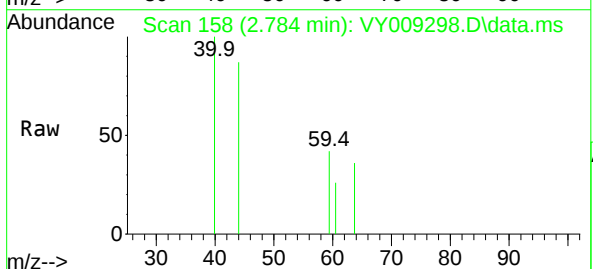
Instrument :
MSVOA_Y
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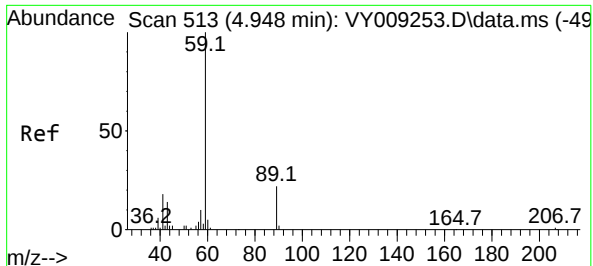
Tgt Ion: 94 Resp: 45
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: 1.503 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

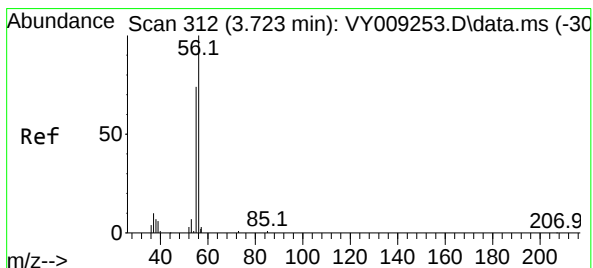
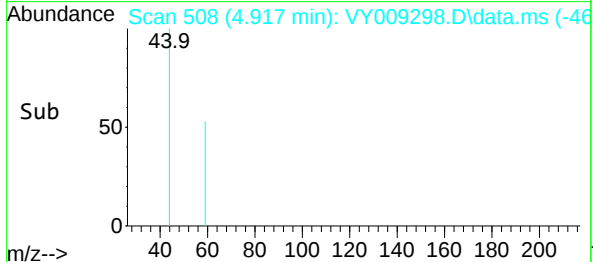
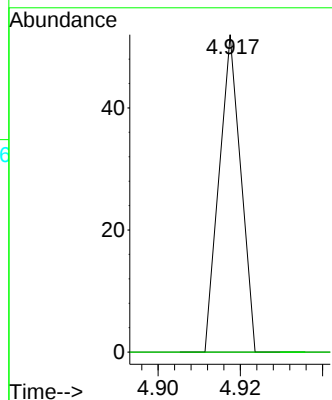
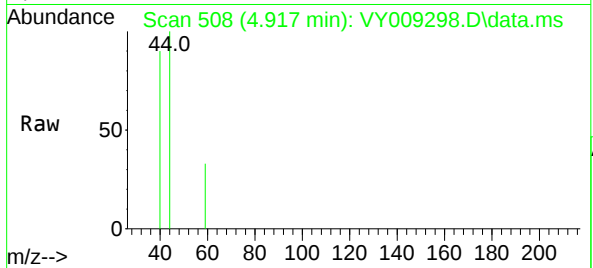




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 50
Delta R.T. -0.031 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

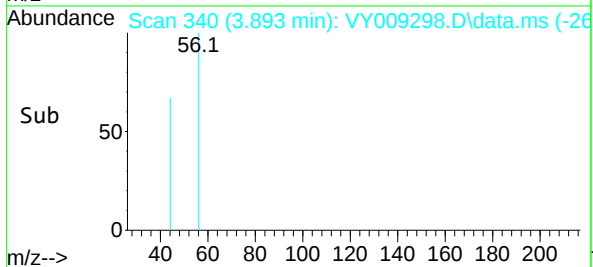
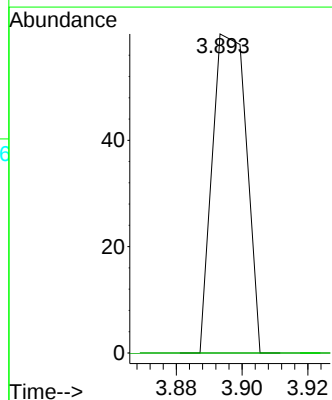
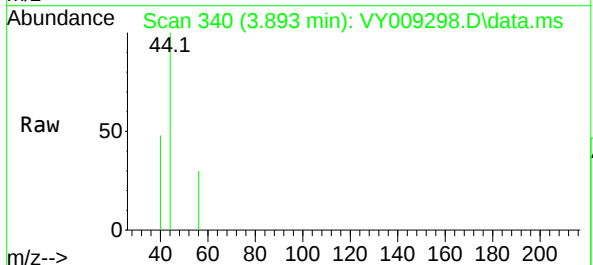
Instrument :
MSVOA_Y
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SB-8-9-11-20220622

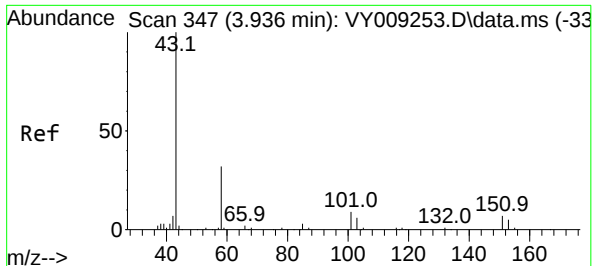
Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 43.878 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.170 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

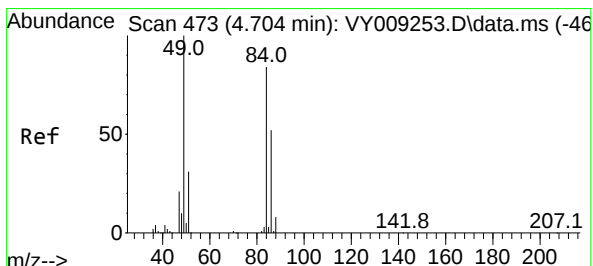
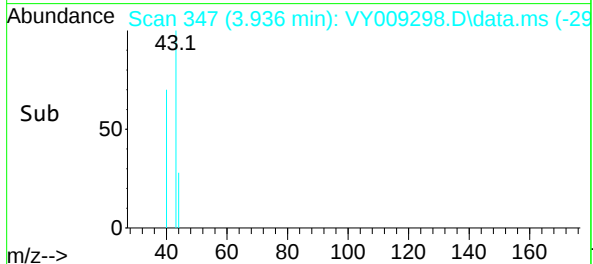
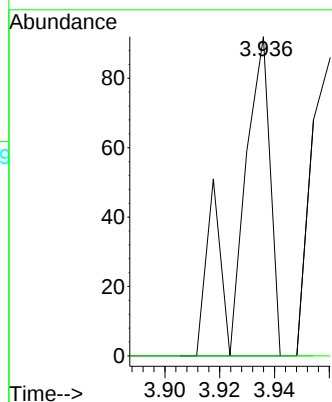
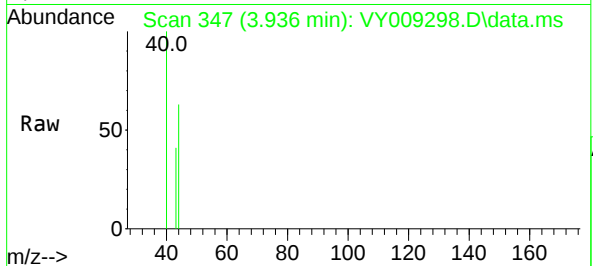




#16
Acetone
Concen: 5.562 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

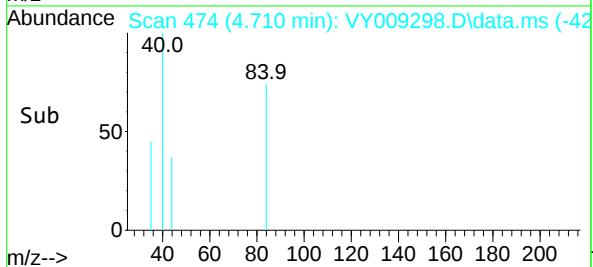
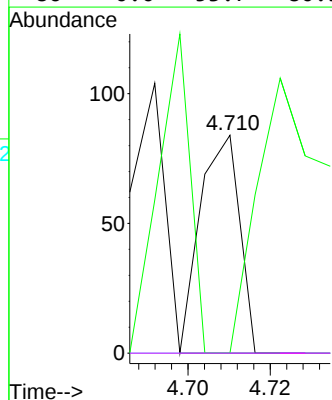
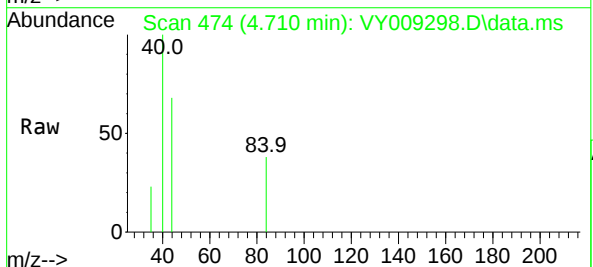
Instrument :
MSVOA_Y
ClientSampleId :
SB-8-9-11-20220622

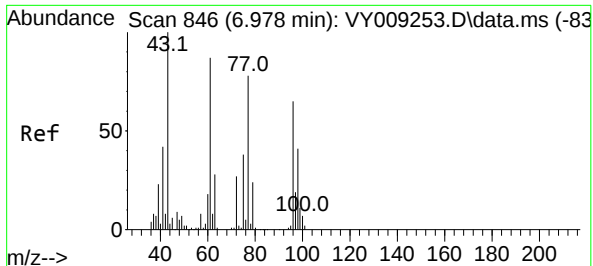
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

Tgt Ion: 84 Resp: 56
Ion Ratio Lower Upper
84 100
49 0.0 114.4 171.6#
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#





#25

2-Butanone

Concen: 1.629 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009298.D

Acq: 23 Jun 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

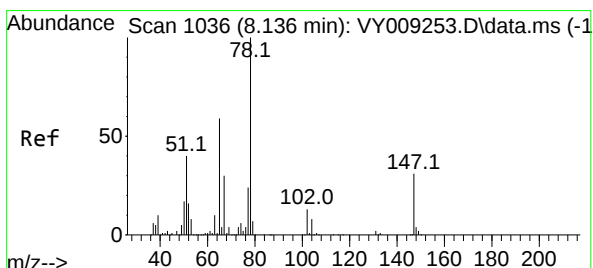
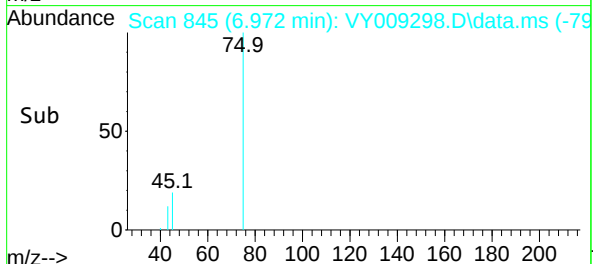
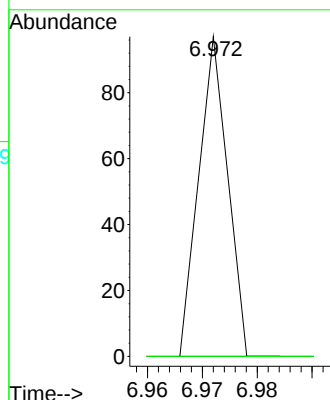
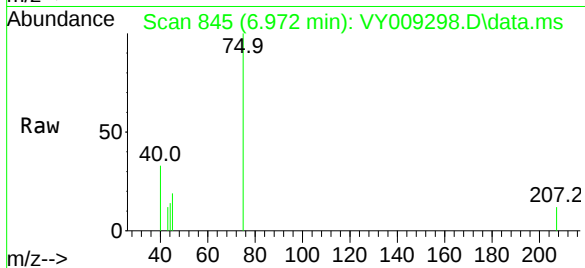
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Tgt Ion: 43 Resp: 35

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 61.822 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VY009298.D

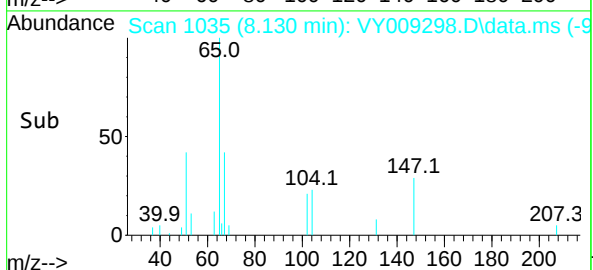
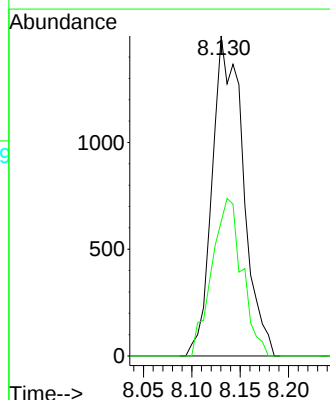
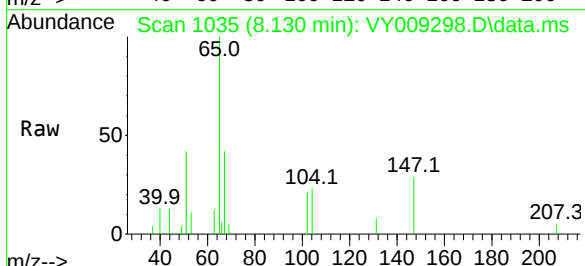
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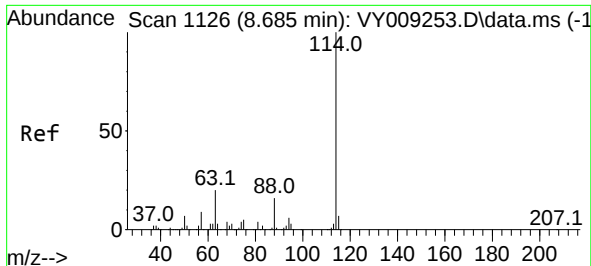
Tgt Ion: 65 Resp: 3329

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009298.D

Acq: 23 Jun 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

SB-8-9-11-20220622

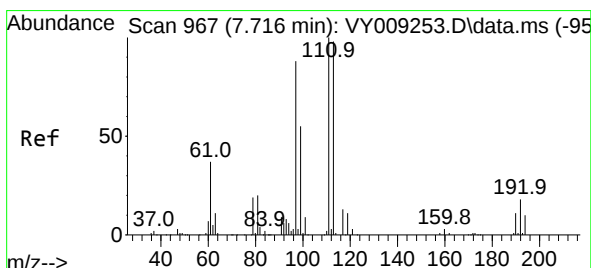
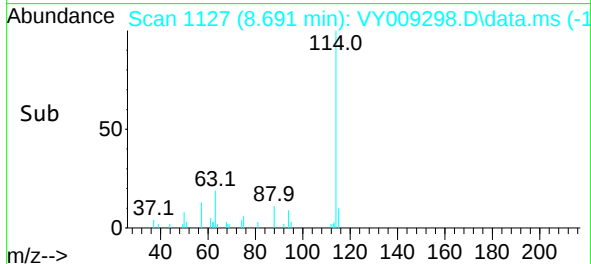
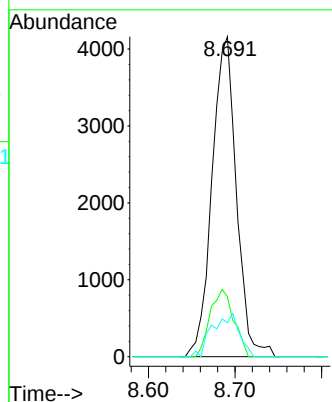
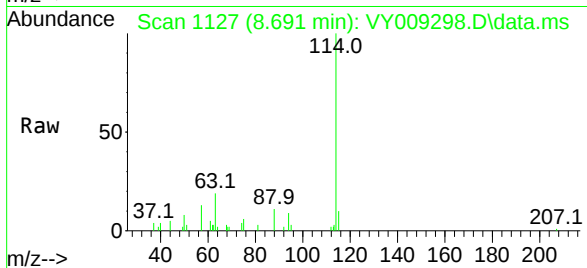
Tgt Ion:114 Resp: 8119

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 10.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 22.993 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009298.D

Acq: 23 Jun 2022 16:44

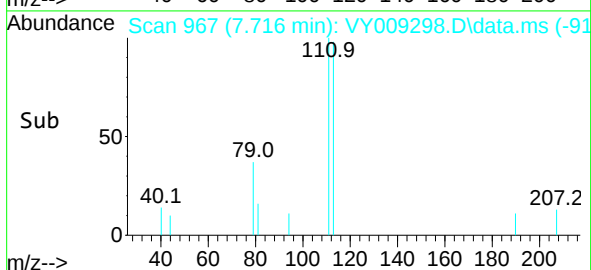
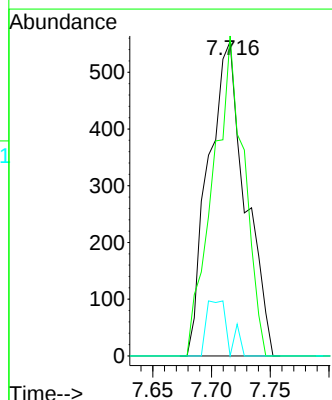
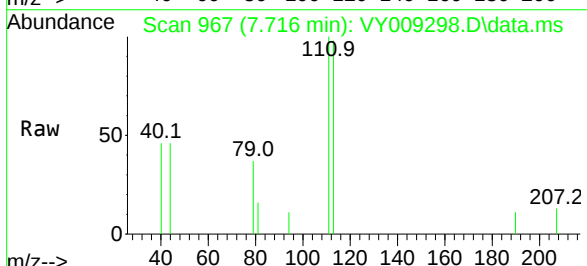
Tgt Ion:113 Resp: 1209

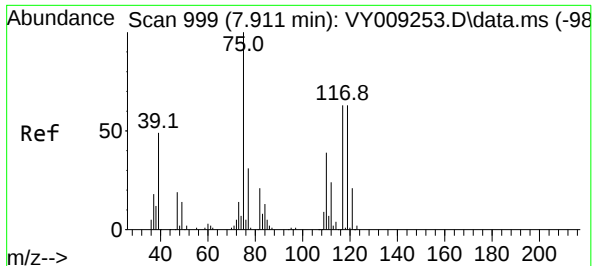
Ion Ratio Lower Upper

113 100

111 86.1 82.6 124.0

192 10.4 17.6 26.4#

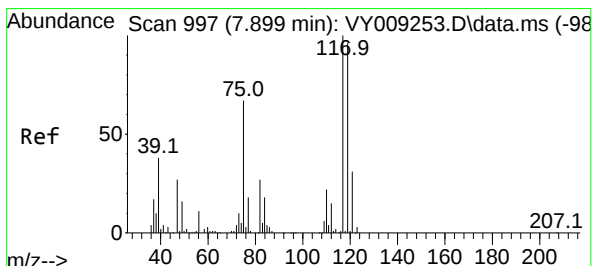
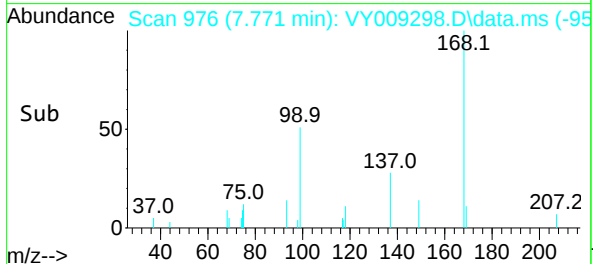
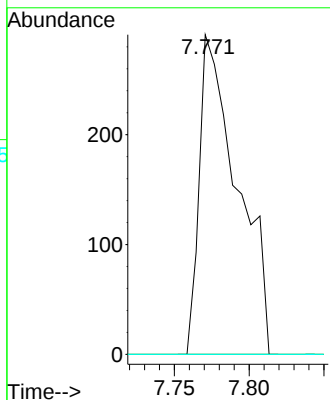
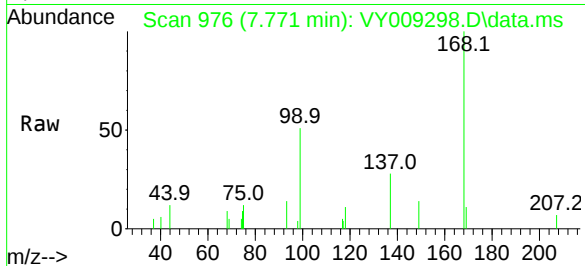




#36
 1,1-Dichloropropene
 Concen: 6.448 ug/l
 RT: 7.771 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY009298.D
 Acq: 23 Jun 2022 16:44

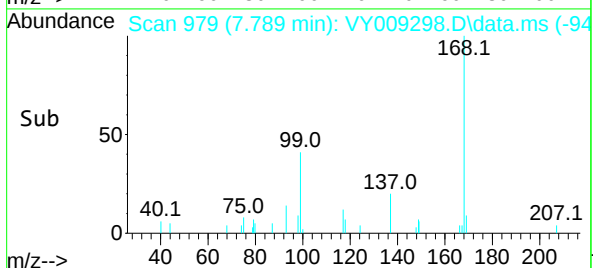
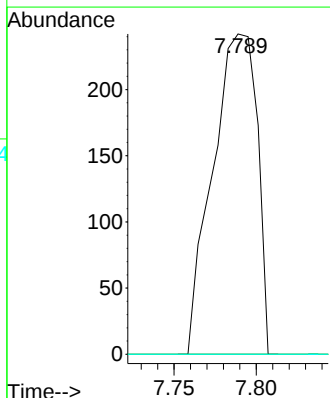
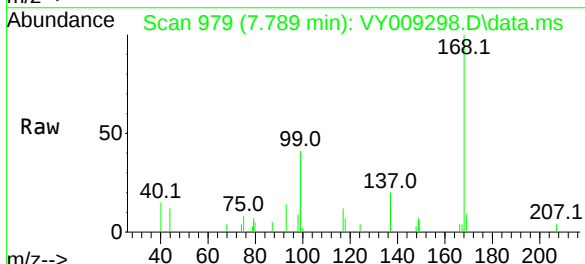
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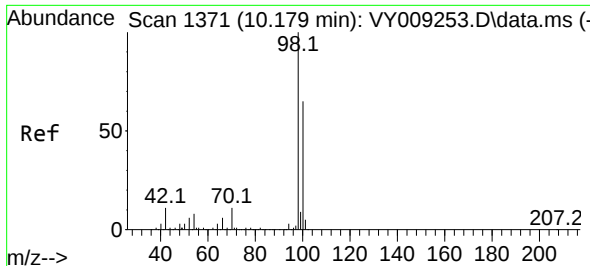
Tgt Ion: 75 Resp: 516
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.480 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY009298.D
 Acq: 23 Jun 2022 16:44

Tgt Ion: 117 Resp: 456
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.9 116.9#
 121 0.0 24.8 37.2#

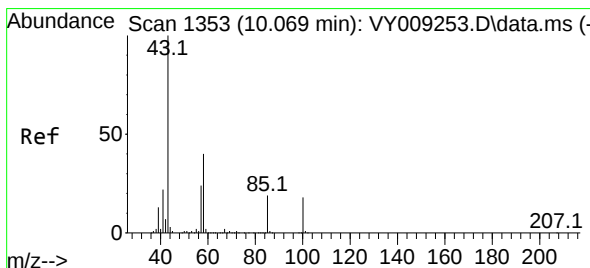
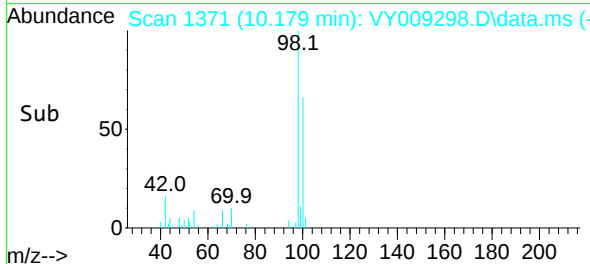
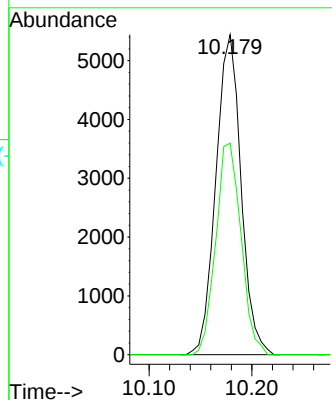
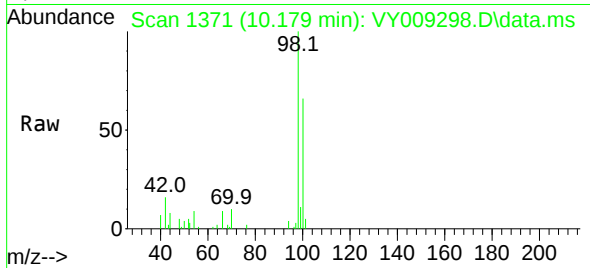




#50
Toluene-d8
Concen: 45.751 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

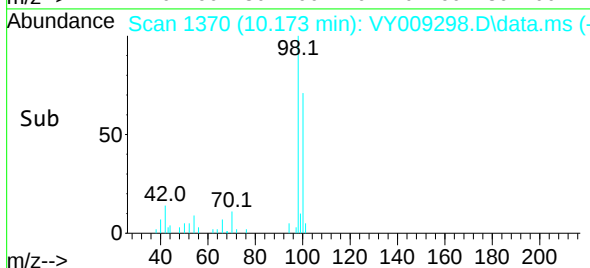
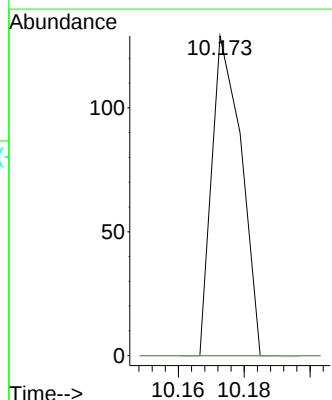
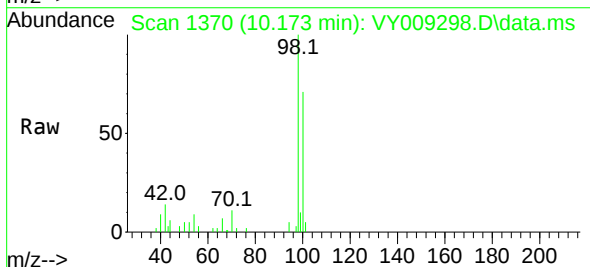
Instrument :
MSVOA_Y
ClientSampleId :
SB-8-9-11-20220622

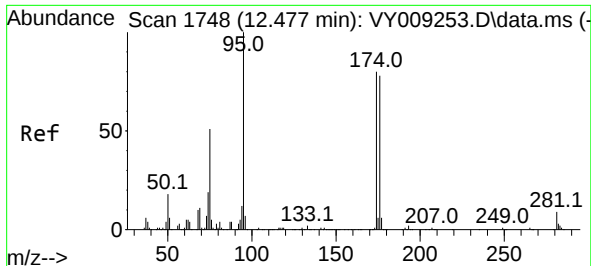
Tgt Ion: 98 Resp: 9241
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.735 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#





#62

4-Bromofluorobenzene

Concen: 41.042 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009298.D

Acq: 23 Jun 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

SB-8-9-11-20220622

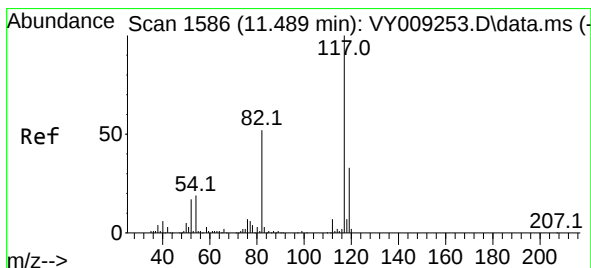
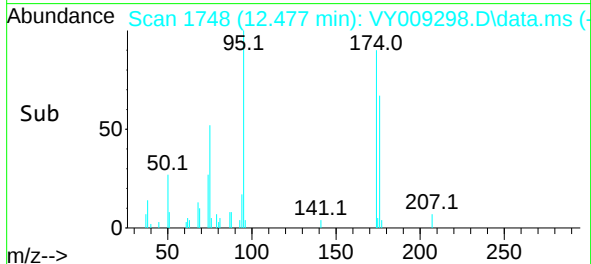
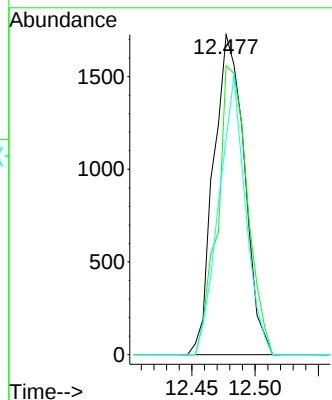
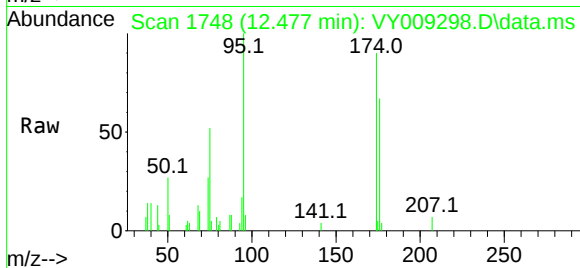
Tgt Ion: 95 Resp: 2913

Ion Ratio Lower Upper

95 100

174 87.1 0.0 177.0

176 75.8 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY009298.D

Acq: 23 Jun 2022 16:44

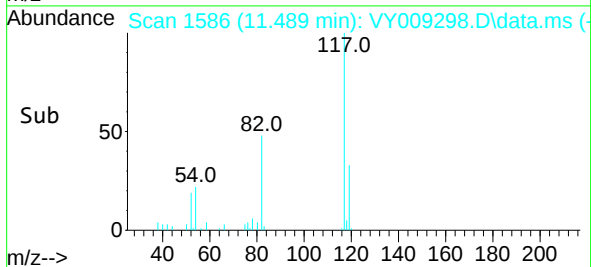
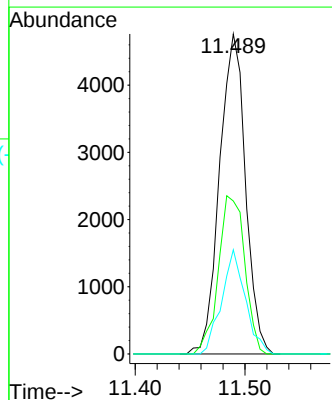
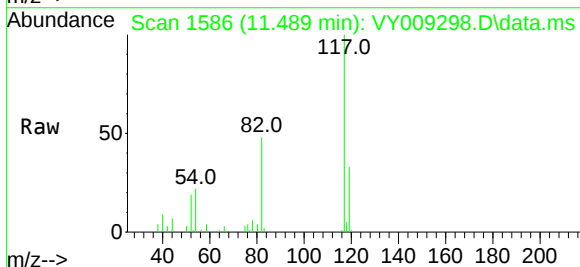
Tgt Ion: 117 Resp: 7818

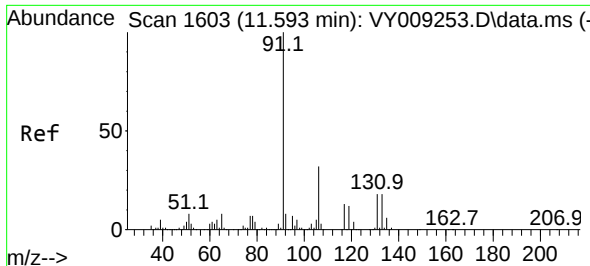
Ion Ratio Lower Upper

117 100

82 47.8 43.0 64.4

119 32.6 25.4 38.0

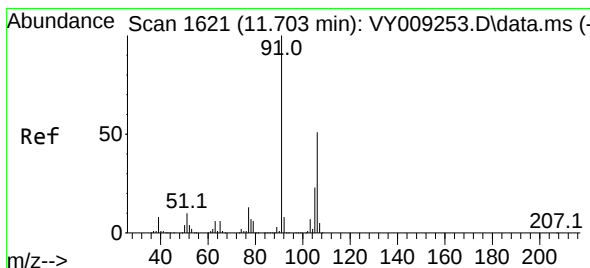
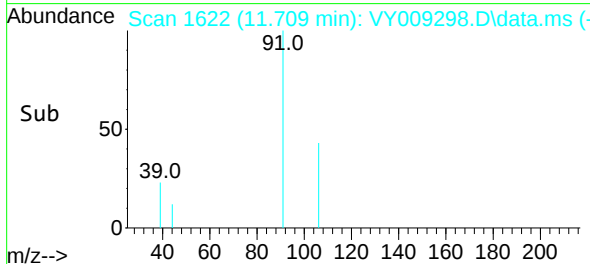
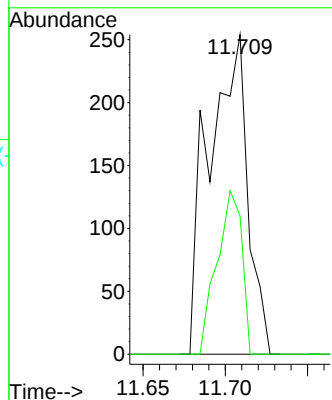
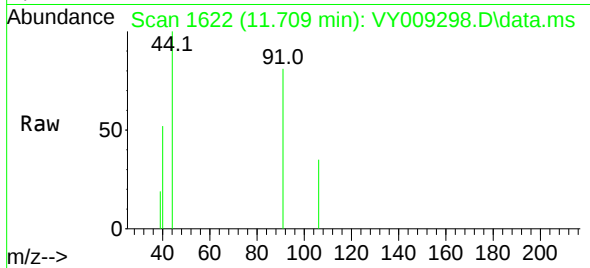




#67
Ethyl Benzene
Concen: 1.360 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.116 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

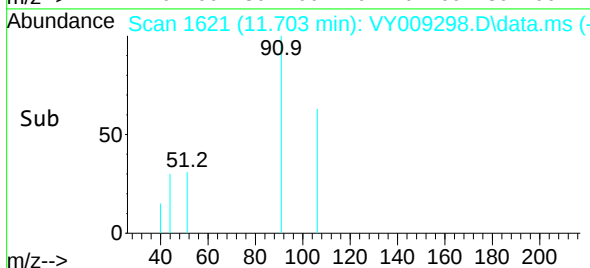
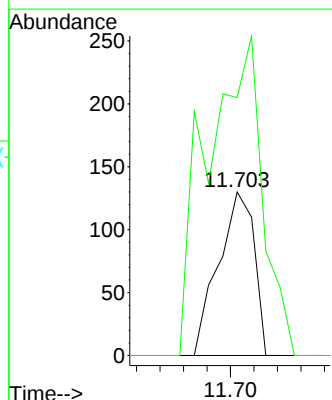
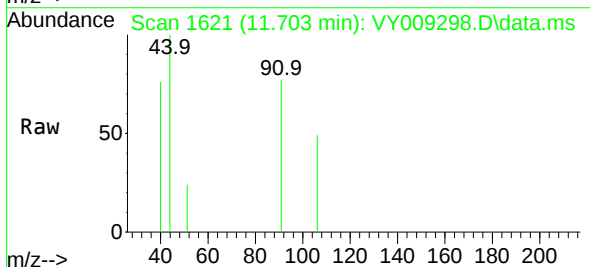
Instrument :
MSVOA_Y
ClientSampleId :
SB-8-9-11-20220622

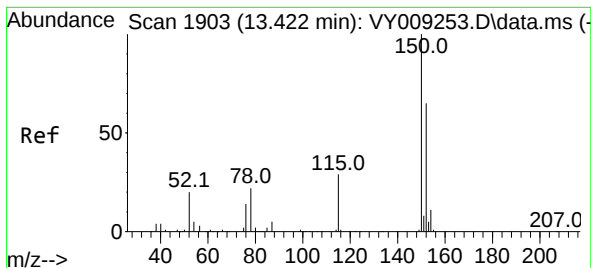
Tgt Ion: 91 Resp: 415
Ion Ratio Lower Upper
91 100
106 43.3 24.5 36.7#



#68
m/p-Xylenes
Concen: 1.144 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY009298.D
Acq: 23 Jun 2022 16:44

Tgt Ion: 106 Resp: 137
Ion Ratio Lower Upper
106 100
91 302.9 166.6 249.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009298.D

Acq: 23 Jun 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

SB-8-9-11-20220622

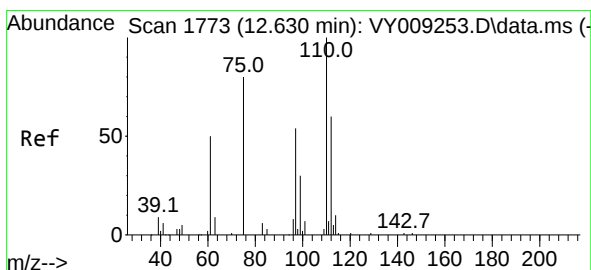
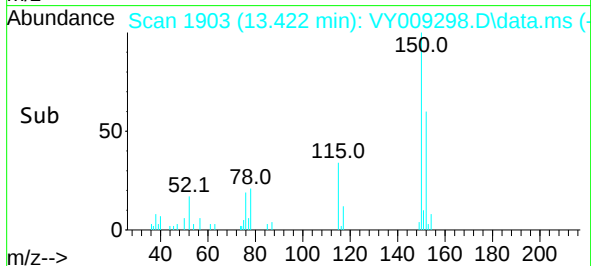
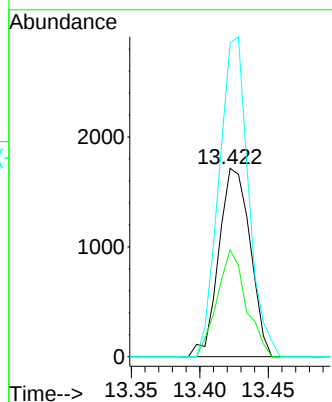
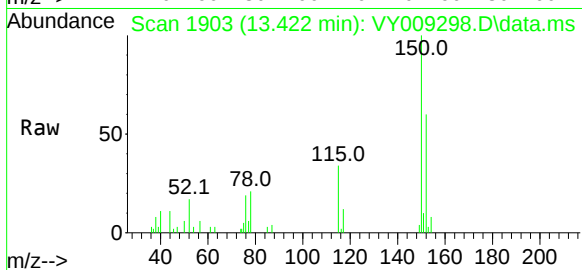
Tgt Ion:152 Resp: 2729

Ion Ratio Lower Upper

152 100

115 52.2 28.2 84.7

150 159.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.757 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY009298.D

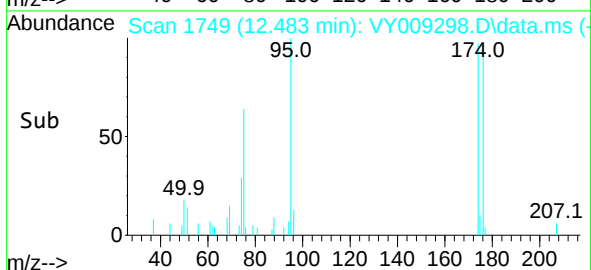
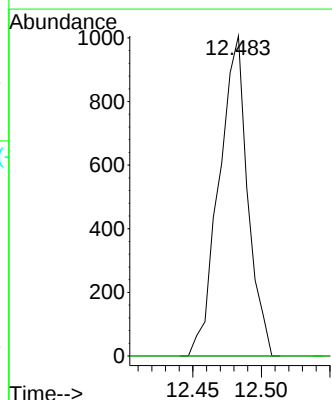
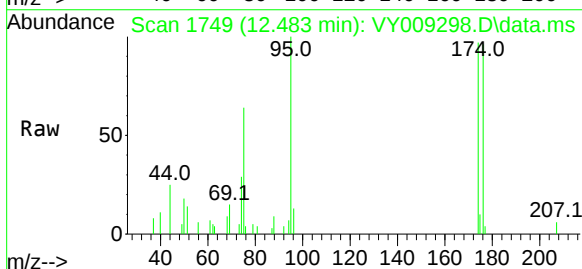
Acq: 23 Jun 2022 16:44

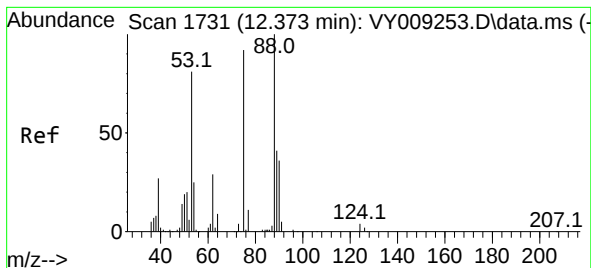
Tgt Ion: 75 Resp: 1464

Ion Ratio Lower Upper

75 100

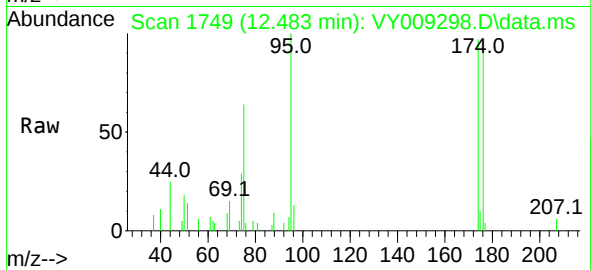
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.021 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY009298.D
 Acq: 23 Jun 2022 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8-9-11-20220622



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

