

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019182.D
 Acq On : 21 Aug 2024 20:19
 Operator : SY/MD
 Sample : P3643-12
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:18:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

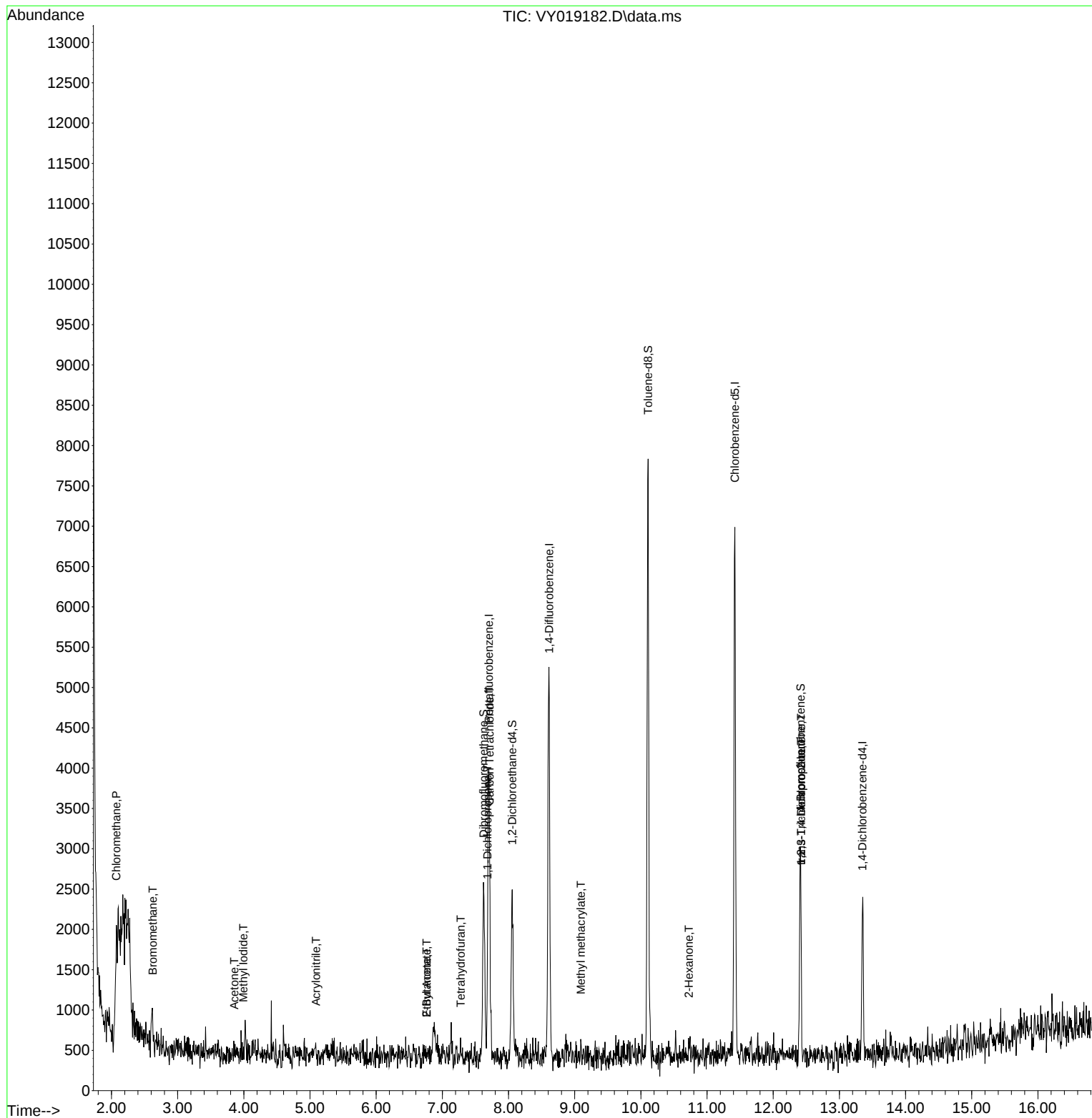
Internal Standards						
1) Pentafluorobenzene	7.701	168	3527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4790	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.420	117	3713	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1662	47.008	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.020%
35) Dibromofluoromethane	7.622	113	1640	52.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.109	98	5047	44.779	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.560%
62) 4-Bromofluorobenzene	12.414	95	999	26.000	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	52.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	130	2.787	ug/l	99
5) Bromomethane	2.623	94	247	1.258	ug/l	# 54
10) Methyl Iodide	3.994	142	63	1.660	ug/l	# 42
15) Acrylonitrile	5.092	53	42	5.459	ug/l	# 18
16) Acetone	3.854	43	48	7.321	ug/l	# 36
20) Methylene Chloride	4.598	84	70	Below Cal	#	58
25) 2-Butanone	6.762	43	44	4.167	ug/l	# 41
29) Tetrahydrofuran	7.280	42	40	5.893	ug/l	# 26
36) 1,1-Dichloropropene	7.683	75	135	3.139	ug/l	# 40
37) Ethyl Acetate	6.762	43	44	2.309	ug/l	# 67
38) Carbon Tetrachloride	7.713	117	153	3.070	ug/l	# 13
48) Methyl methacrylate	9.091	41	57	3.319	ug/l	# 7
59) 2-Hexanone	10.725	43	30	2.135	ug/l	# 19
76) 1,2,3-Trichloropropane	12.420	75	556	86.871	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.420	75	556	214.542	ug/l	# 16

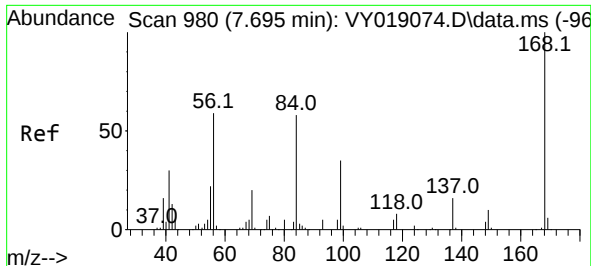
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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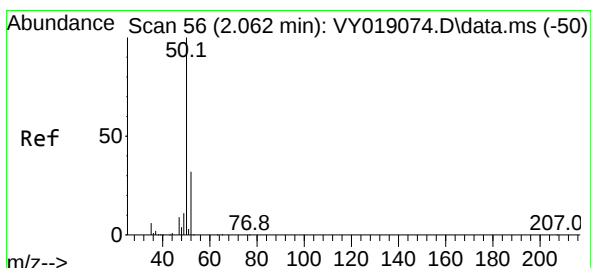
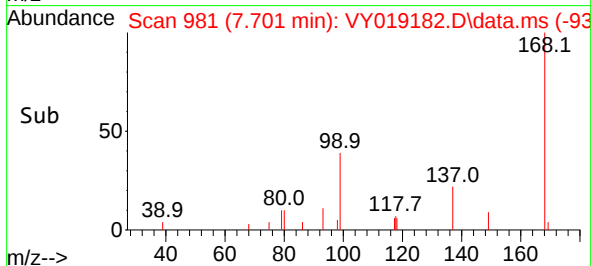
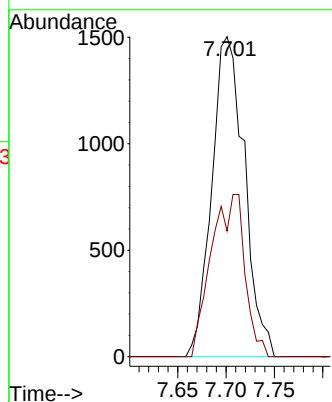
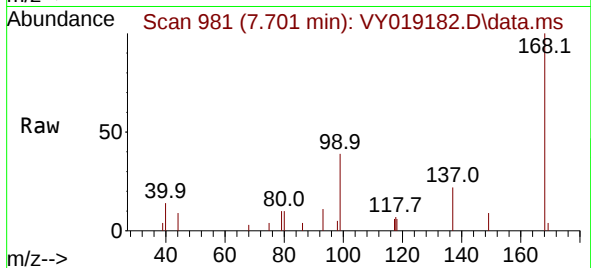




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

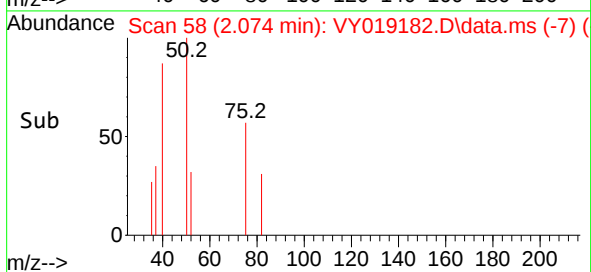
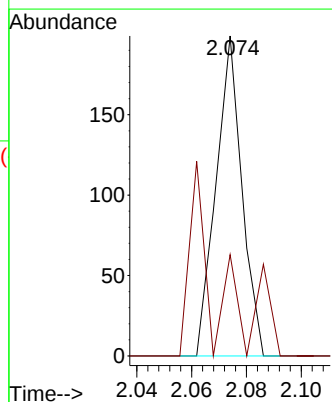
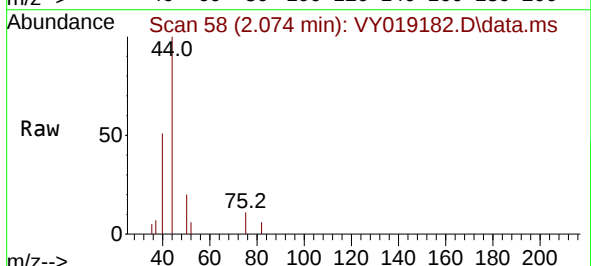
Instrument :
MSVOA_Y
ClientSampleId :

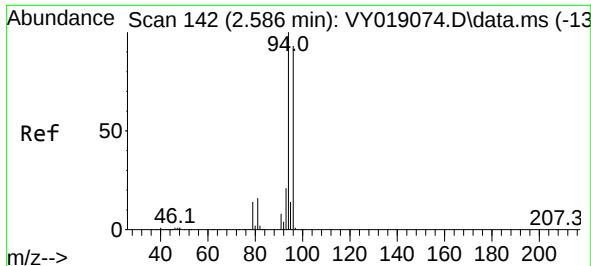
Tgt Ion:168 Resp: 3527
Ion Ratio Lower Upper
168 100
99 39.3 39.1 58.7



#3
Chloromethane
Concen: 2.787 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.012 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 31.7 25.6 38.4

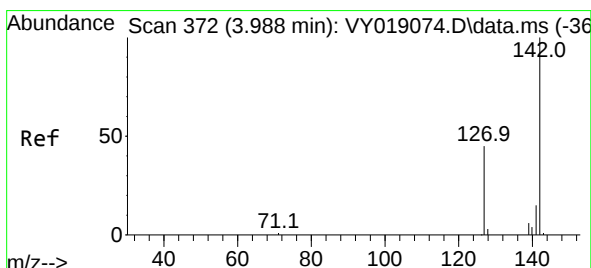
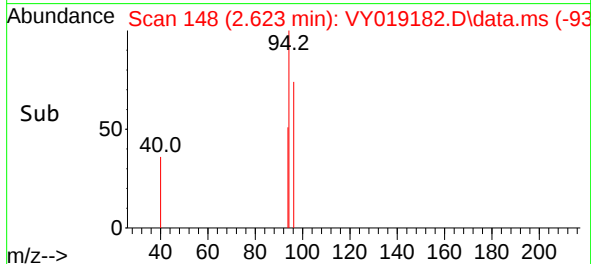
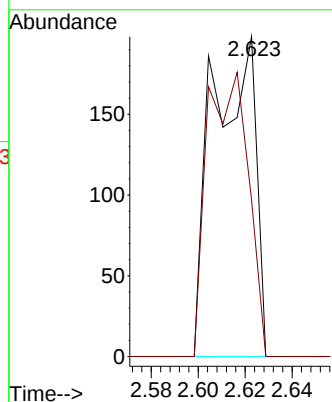
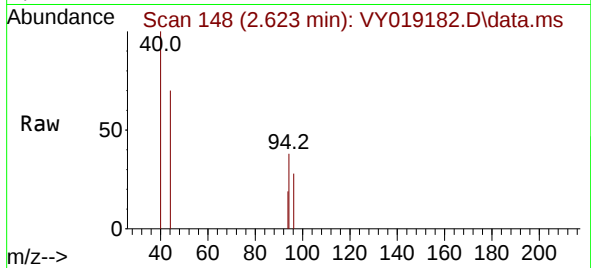




#5
Bromomethane
Concen: 1.258 ug/l
RT: 2.623 min Scan# 14
Delta R.T. 0.037 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

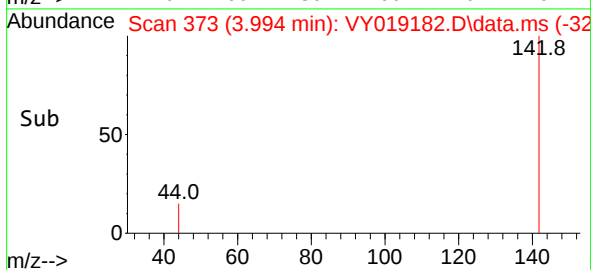
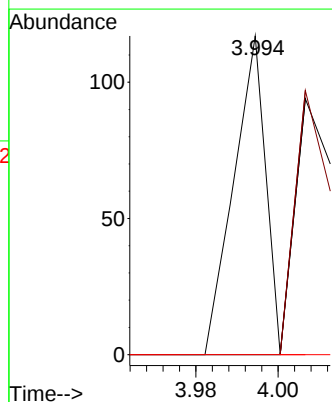
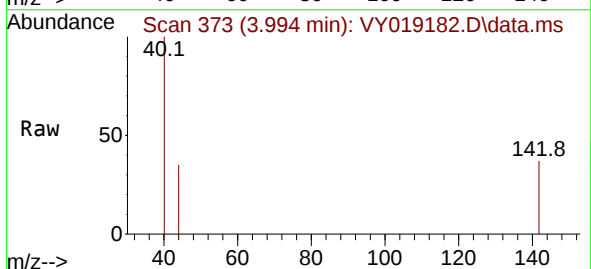
Instrument :
MSVOA_Y
ClientSampleId :

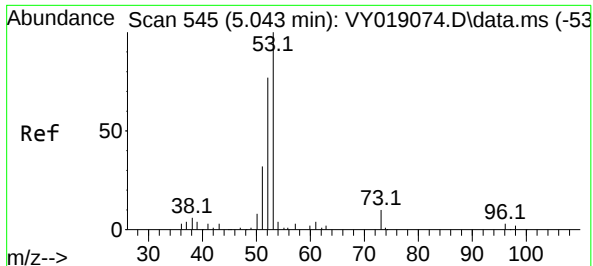
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 49.0 74.1 111.1#



#10
Methyl Iodide
Concen: 1.660 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

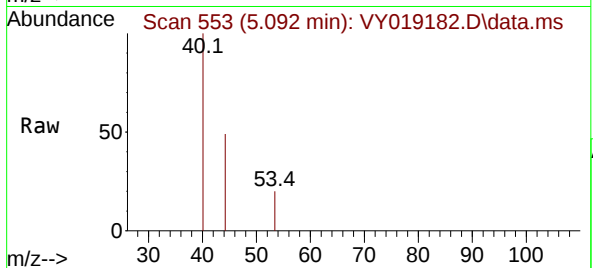
Tgt Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



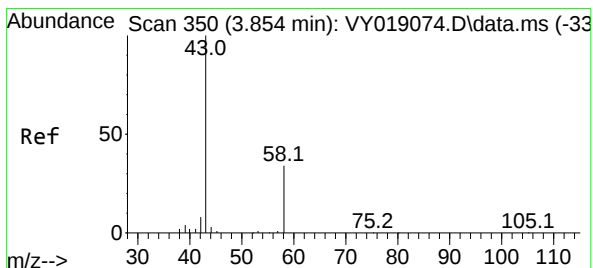
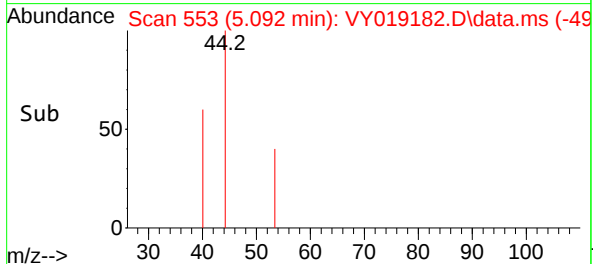
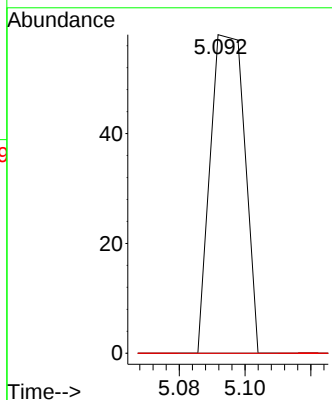


#15
Acrylonitrile
Concen: 5.459 ug/l
RT: 5.092 min Scan# 51
Delta R.T. 0.049 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Instrument :
MSVOA_Y
ClientSampleId :

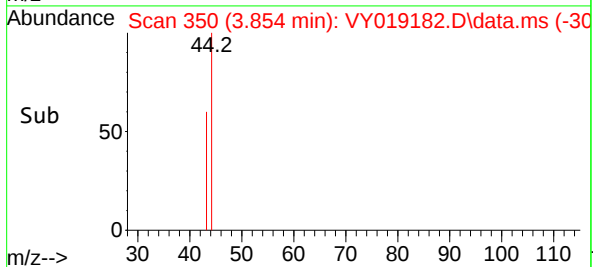
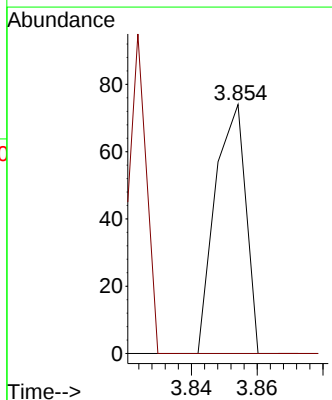
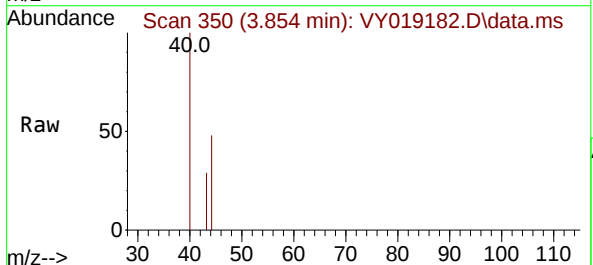


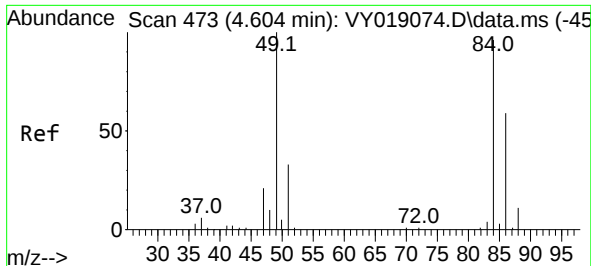
Tgt Ion: 53 Resp: 42
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 7.321 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

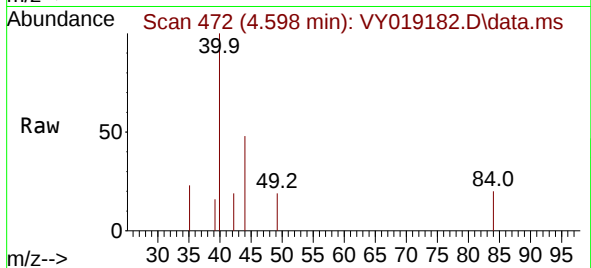
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



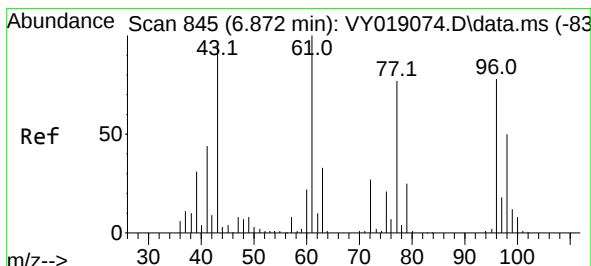
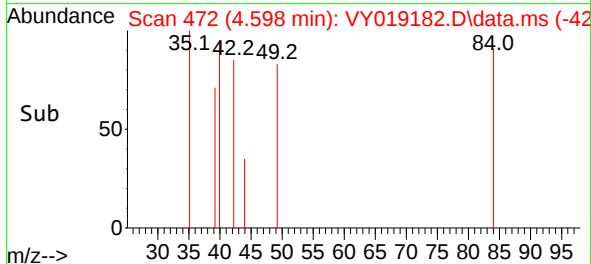
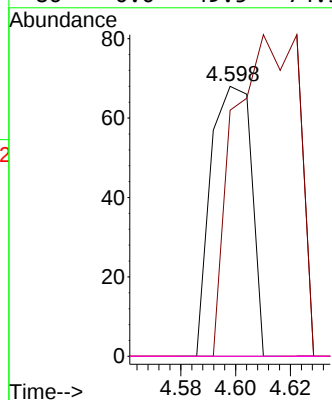


#20
Methylene Chloride
Concen: Below Cal
RT: 4.598 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Instrument :
MSVOA_Y
ClientSampleId :

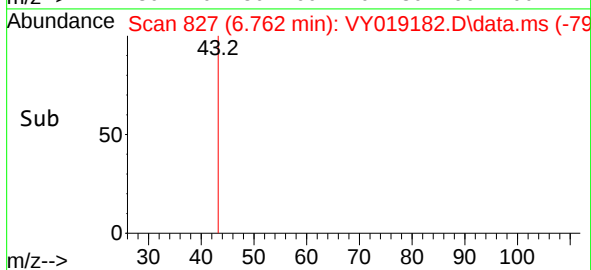
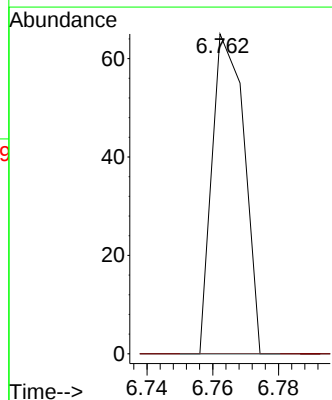
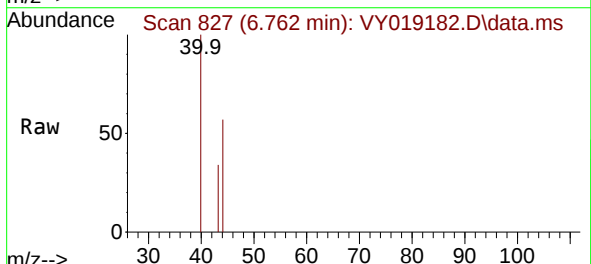


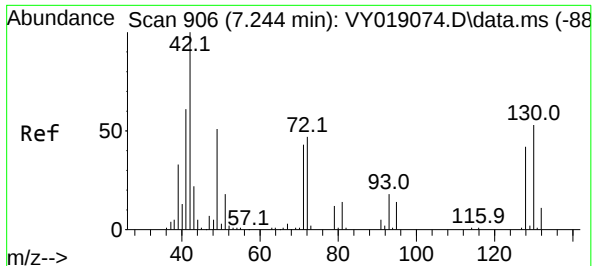
Tgt Ion: 84	Resp:	70	
Ion	Ratio	Lower	Upper
84	100		
49	91.2	84.4	126.6
51	0.0	26.0	39.0#
86	0.0	49.5	74.3#



#25
2-Butanone
Concen: 4.167 ug/l
RT: 6.762 min Scan# 827
Delta R.T. -0.110 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Tgt Ion: 43	Resp:	44	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 5.893 ug/l

RT: 7.280 min Scan# 91

Delta R.T. 0.037 min

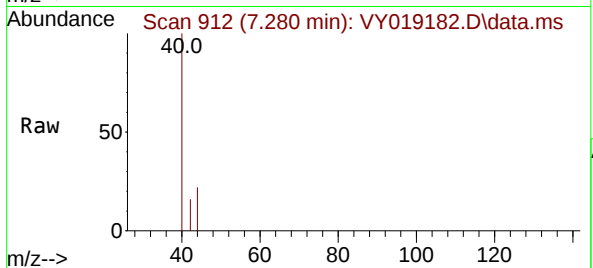
Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

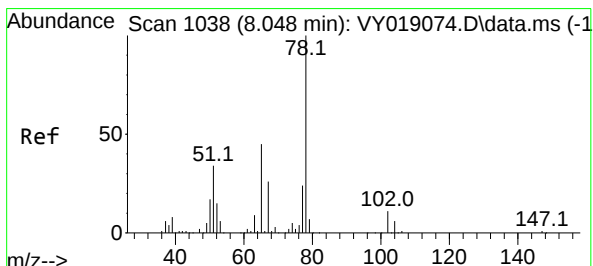
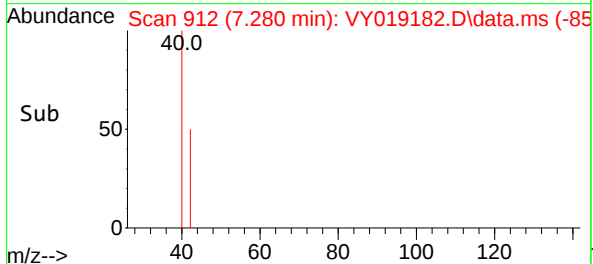
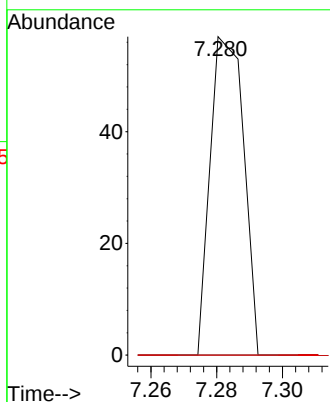
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	40
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#33

1,2-Dichloroethane-d4

Concen: 47.008 ug/l

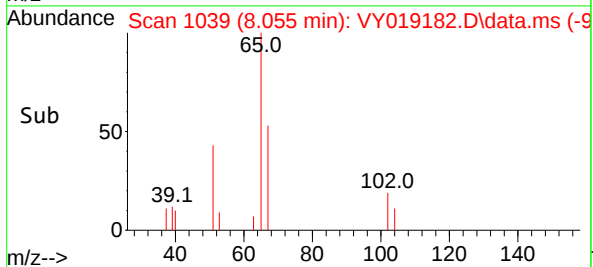
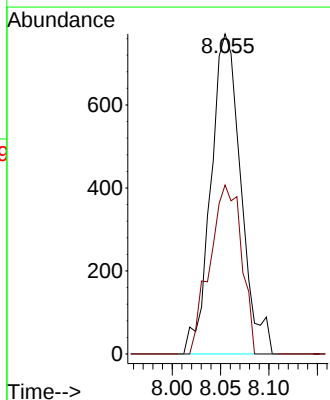
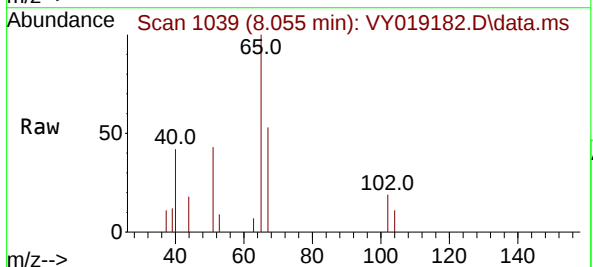
RT: 8.055 min Scan# 1039

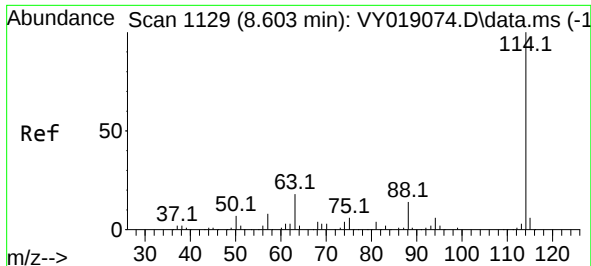
Delta R.T. 0.006 min

Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

Tgt Ion:	65	Resp:	1662
Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	109.6

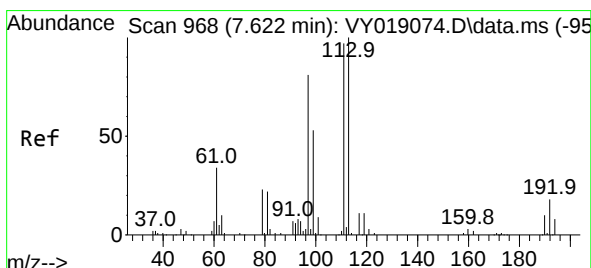
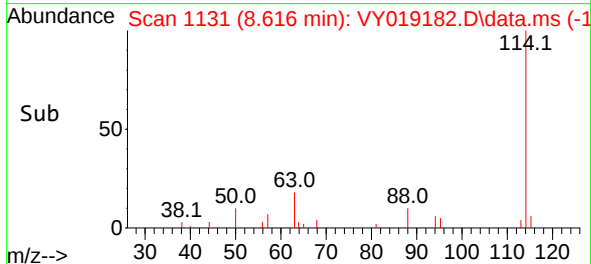
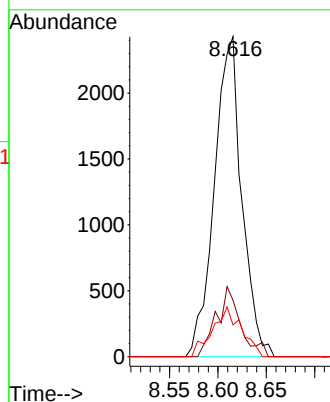
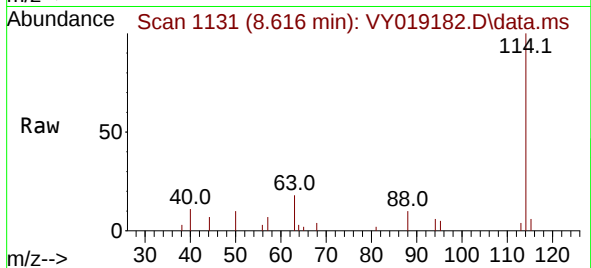




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

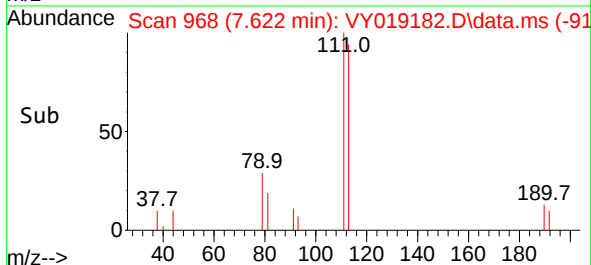
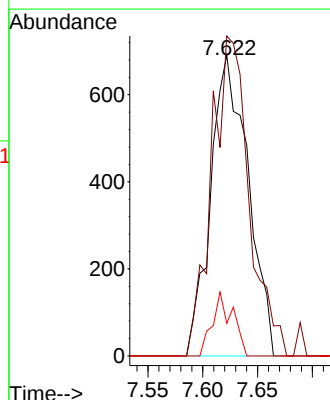
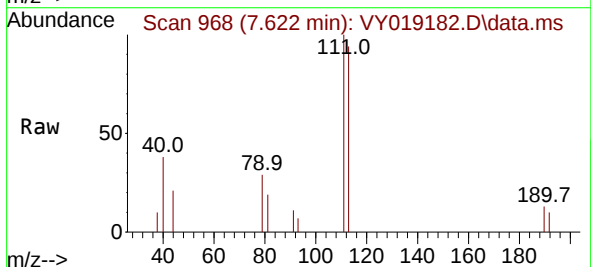
Instrument :
MSVOA_Y
ClientSampleId :

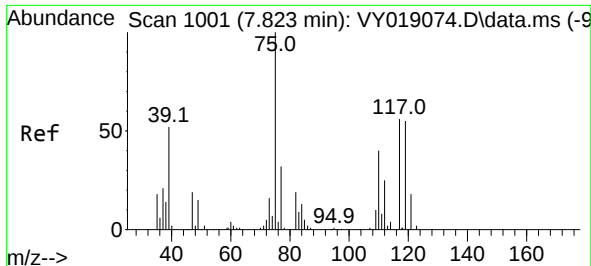
Tgt Ion:114 Resp: 4790
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.0
88 10.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 52.363 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Tgt Ion:113 Resp: 1640
Ion Ratio Lower Upper
113 100
111 106.5 82.2 123.4
192 11.5 15.9 23.9#





#36

1,1-Dichloropropene

Concen: 3.139 ug/l

RT: 7.683 min Scan# 91

Delta R.T. -0.140 min

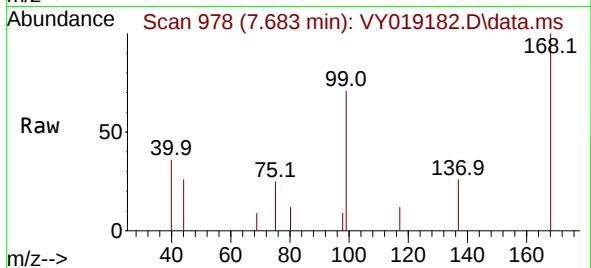
Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

Instrument :

MSVOA_Y

ClientSampleId :



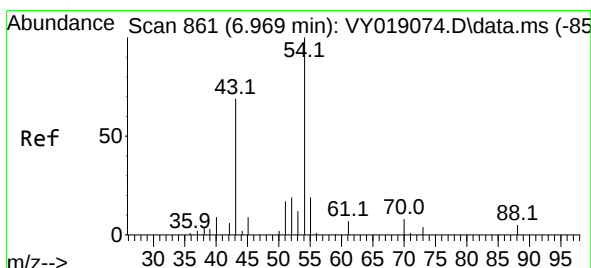
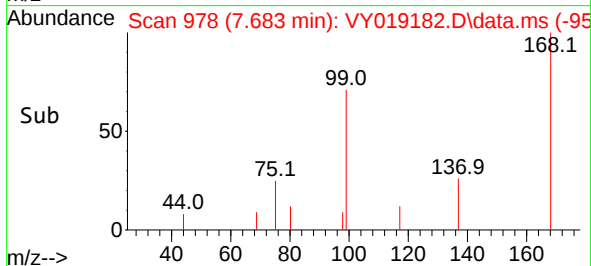
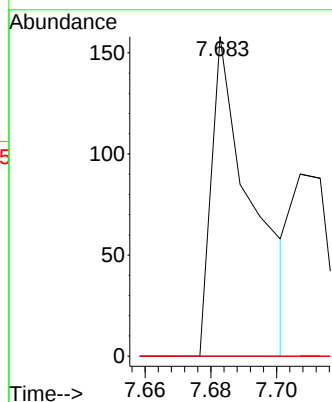
Tgt Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 2.309 ug/l

RT: 6.762 min Scan# 827

Delta R.T. -0.207 min

Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

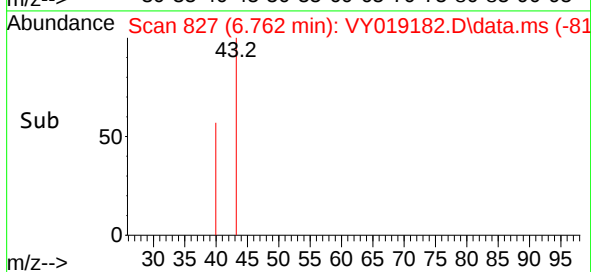
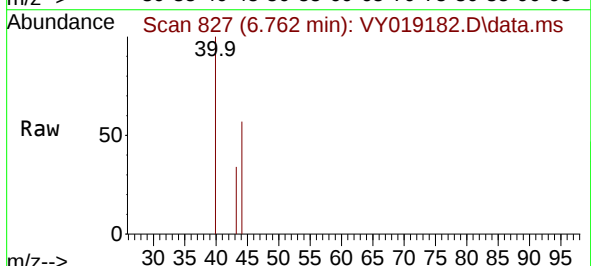
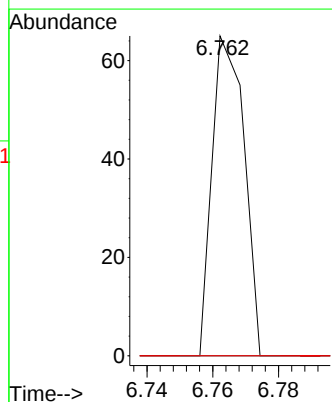
Tgt Ion: 43 Resp: 44

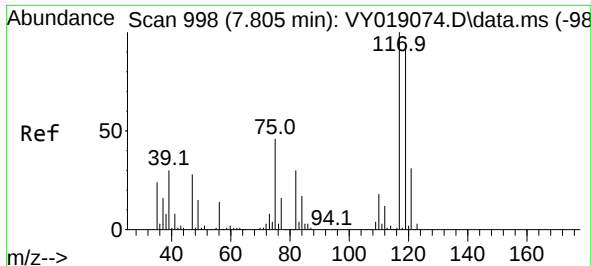
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

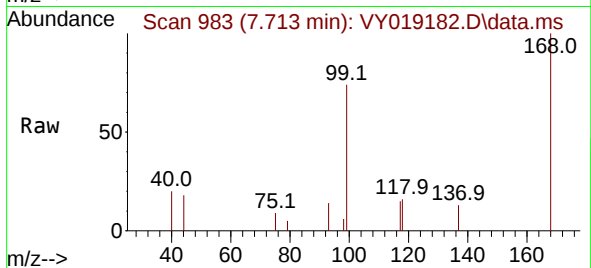
70 0.0 7.8 11.8#



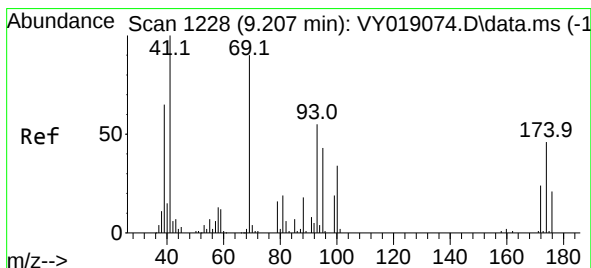
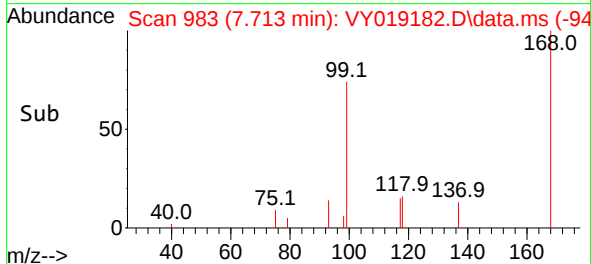
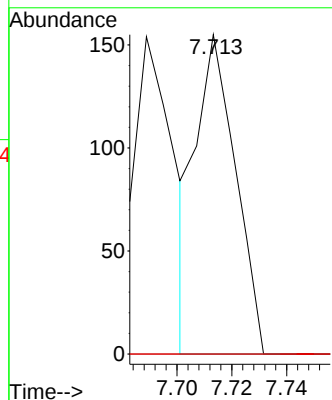


#38
Carbon Tetrachloride
Concen: 3.070 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.091 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Instrument :
MSVOA_Y
ClientSampleId :

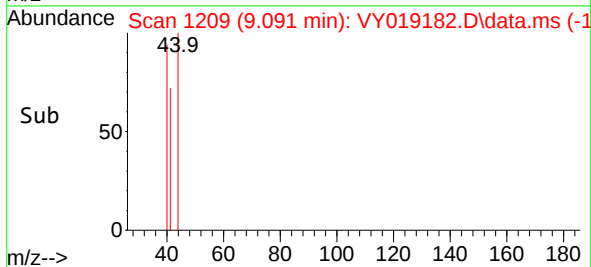
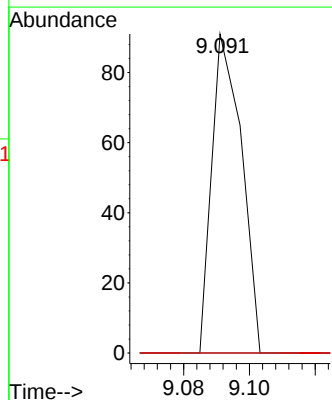
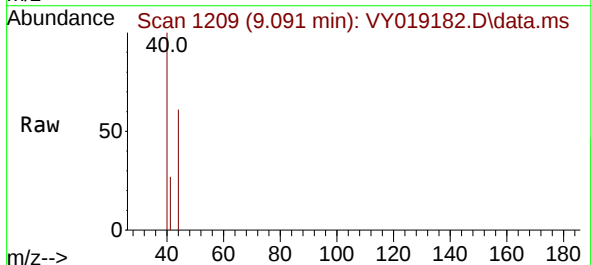


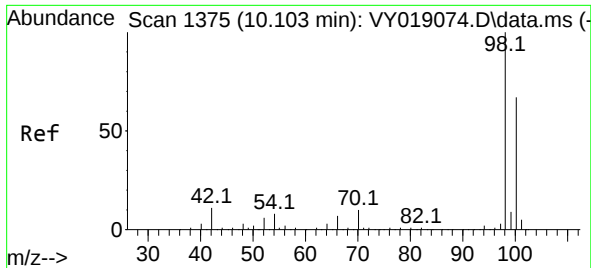
Tgt Ion:117 Resp: 153
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#48
Methyl methacrylate
Concen: 3.319 ug/l
RT: 9.091 min Scan# 1209
Delta R.T. -0.116 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 0.0 43.6 65.4#





#50

Toluene-d8

Concen: 44.779 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

Instrument :

MSVOA_Y

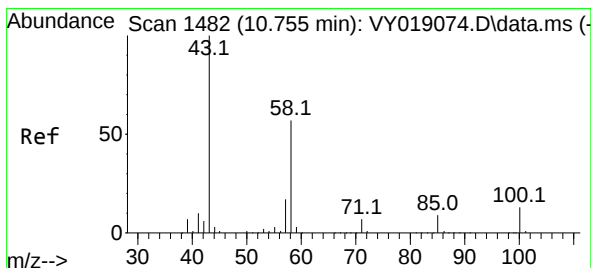
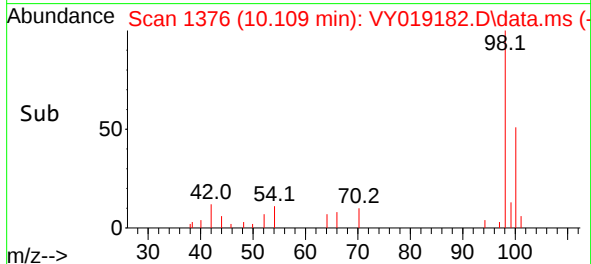
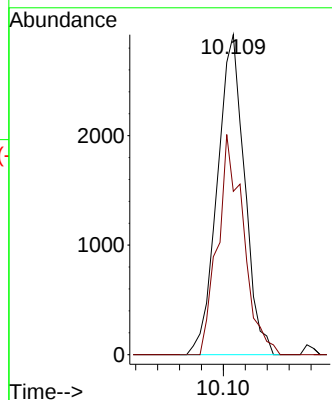
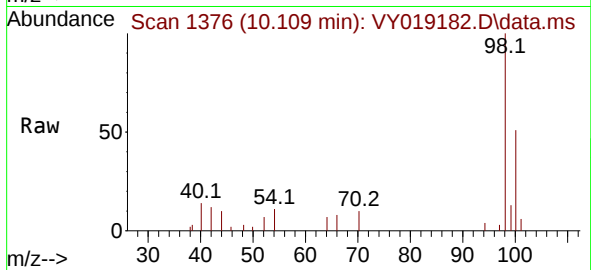
ClientSampleId :

Tgt Ion: 98 Resp: 5047

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#59

2-Hexanone

Concen: 2.135 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. -0.030 min

Lab File: VY019182.D

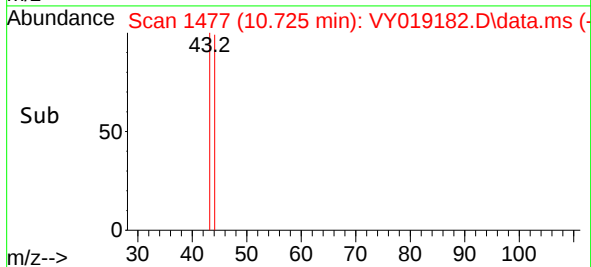
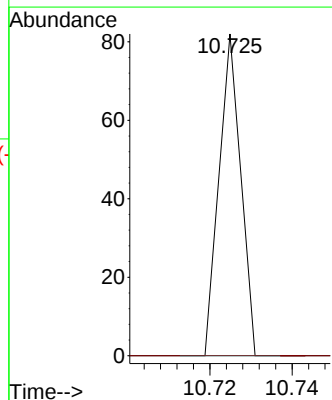
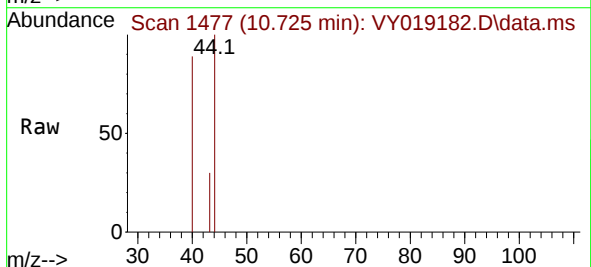
Acq: 21 Aug 2024 20:19

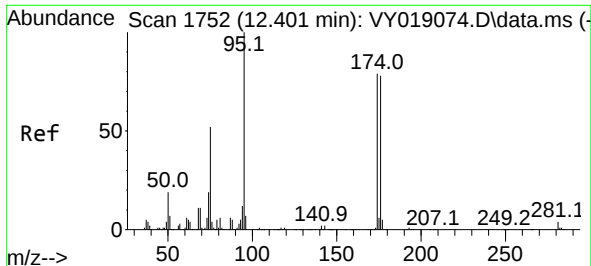
Tgt Ion: 43 Resp: 30

Ion Ratio Lower Upper

43 100

58 0.0 31.4 94.0#





#62

4-Bromofluorobenzene

Concen: 26.000 ug/l

RT: 12.414 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

Instrument :

MSVOA_Y

ClientSampleId :

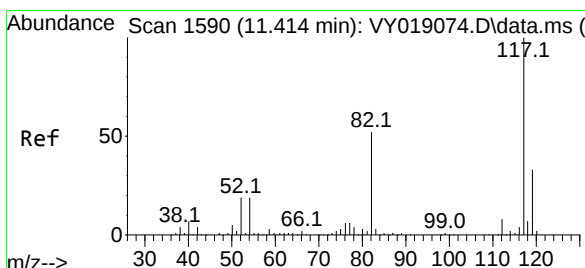
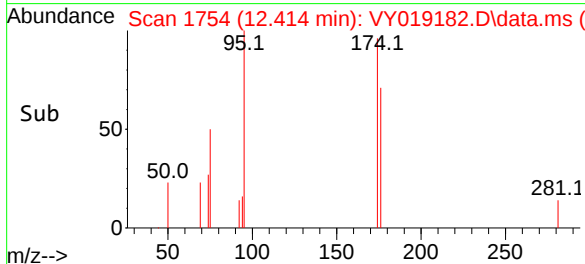
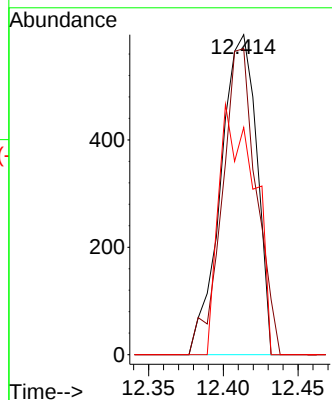
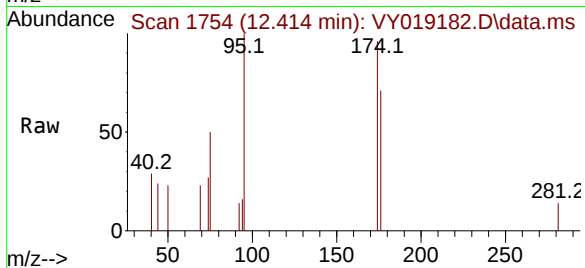
Tgt Ion: 95 Resp: 999

Ion Ratio Lower Upper

95 100

174 91.2 0.0 175.6

176 77.3 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

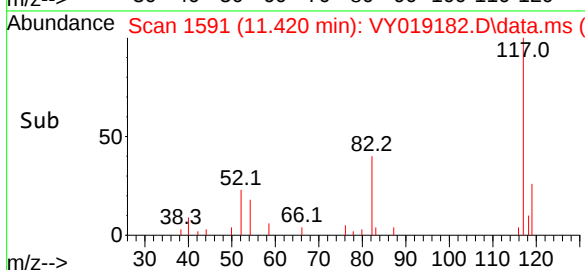
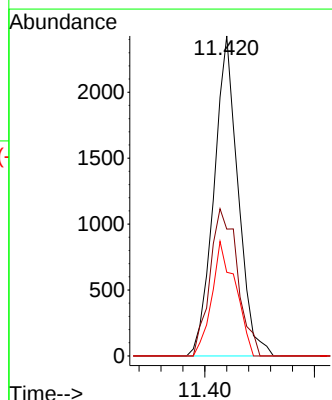
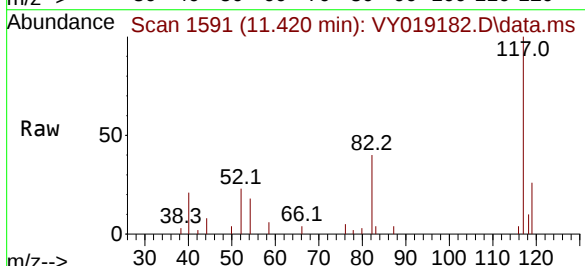
Tgt Ion: 117 Resp: 3713

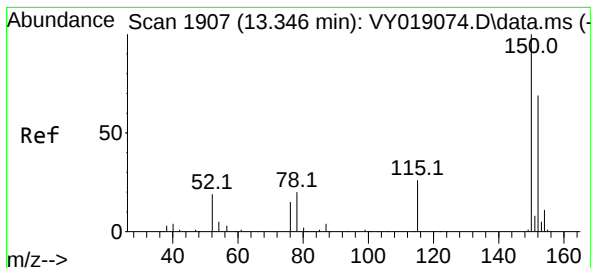
Ion Ratio Lower Upper

117 100

82 39.6 42.4 63.6#

119 26.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019182.D

Acq: 21 Aug 2024 20:19

Instrument :

MSVOA_Y

ClientSampleId :

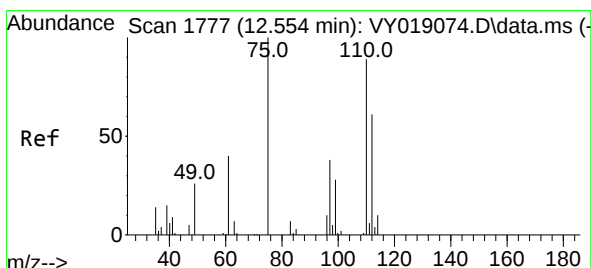
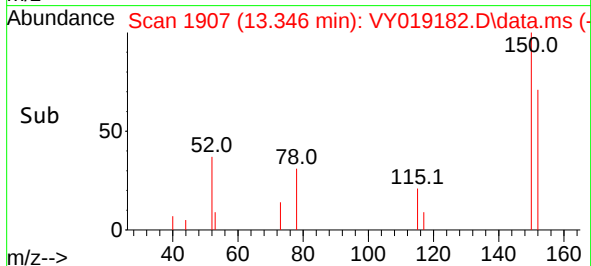
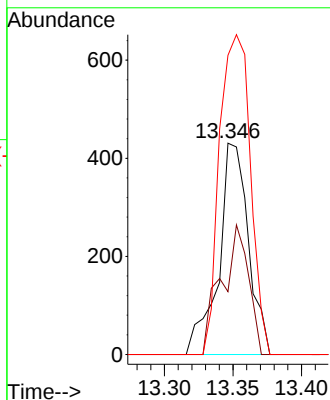
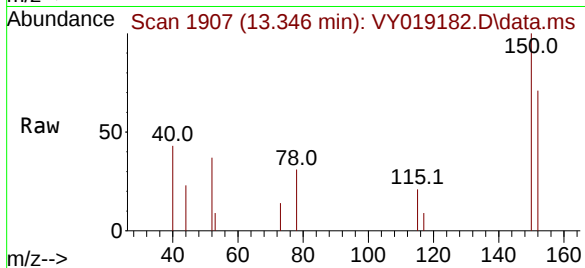
Tgt Ion:152 Resp: 649

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

150 157.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 86.871 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.134 min

Lab File: VY019182.D

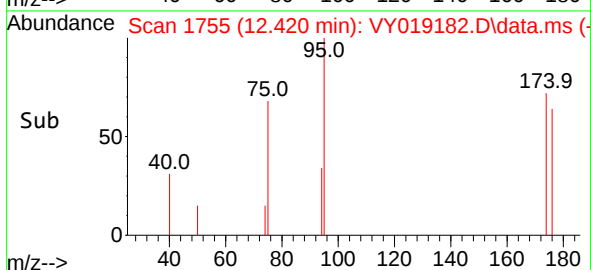
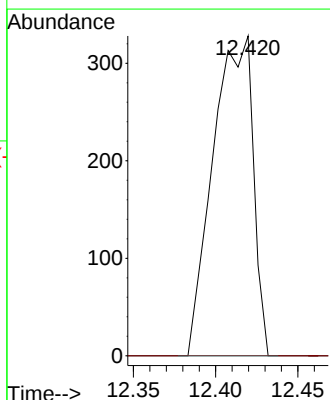
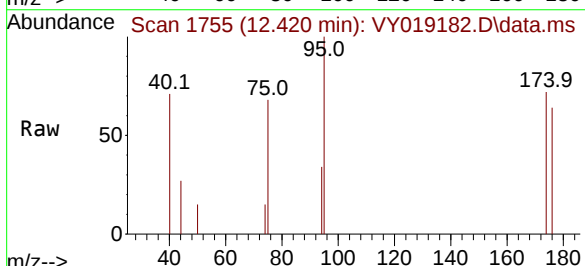
Acq: 21 Aug 2024 20:19

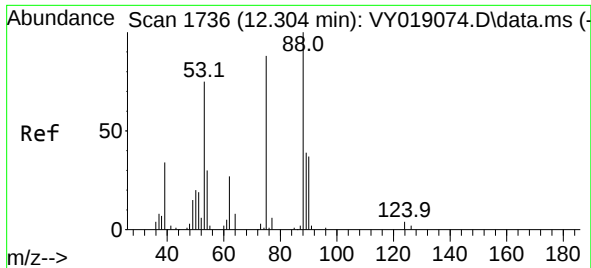
Tgt Ion: 75 Resp: 556

Ion Ratio Lower Upper

75 100

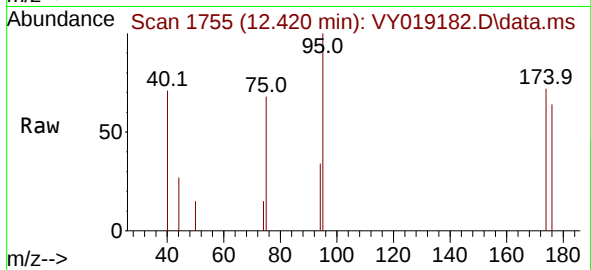
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 214.542 ug/l
RT: 12.420 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY019182.D
Acq: 21 Aug 2024 20:19

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 556
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

