

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019085.D
 Acq On : 16 Aug 2024 11:44
 Operator : SY/MD
 Sample : P3598-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 00:41:18 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)

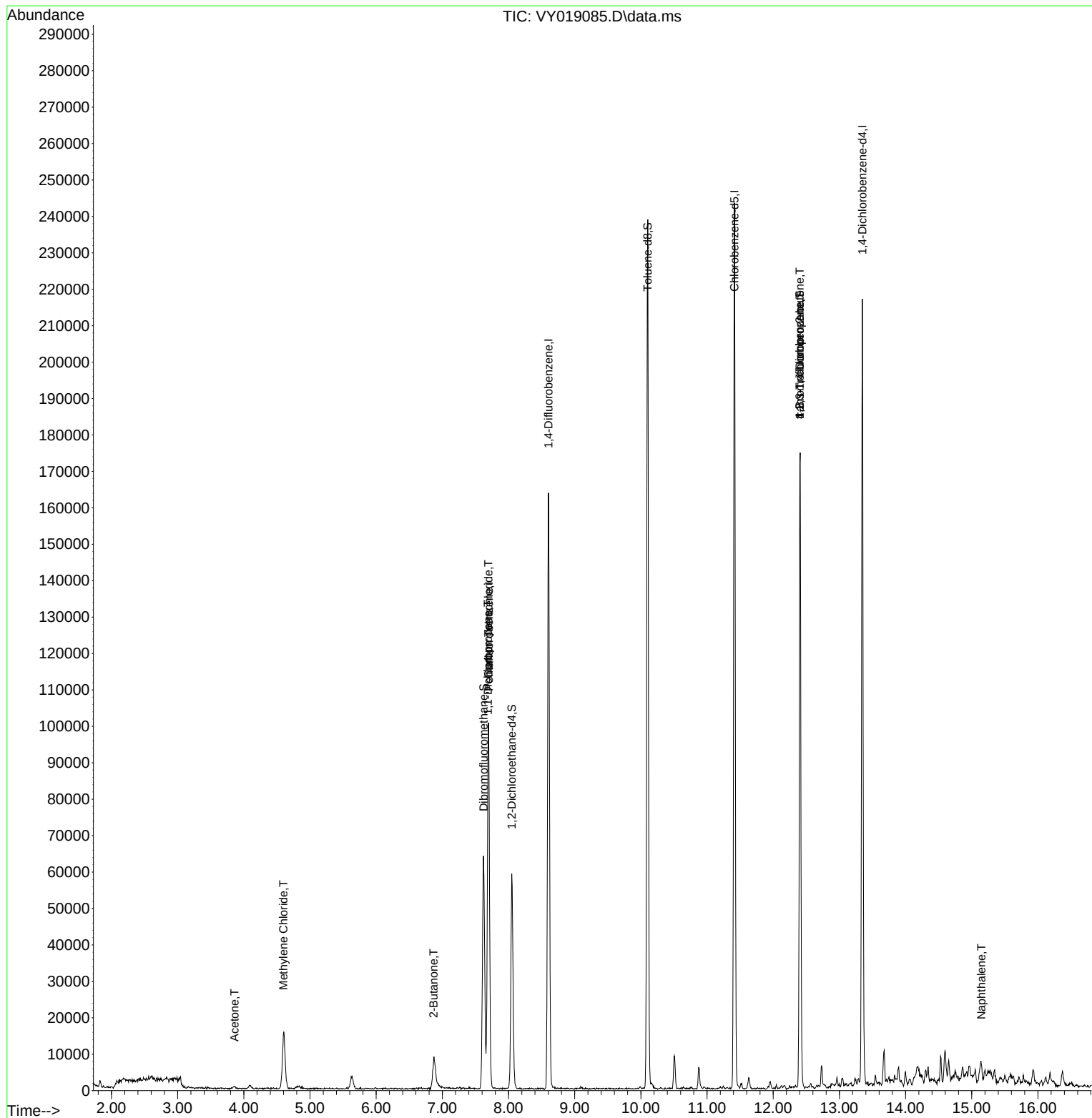
Internal Standards						
1) Pentafluorobenzene	7.701	168	78210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	138580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	129808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	41778	53.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.580%	
35) Dibromofluoromethane	7.622	113	44870	49.519	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.040%	
50) Toluene-d8	10.103	98	155701	47.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.500%	
62) 4-Bromofluorobenzene	12.402	95	51416	46.254	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 92.500%	
Target Compounds						Qvalue
5) Bromomethane	2.611	94	544	Below Cal	#	57
6) Chloroethane	2.739	64	62	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	377	Below Cal	#	88
16) Acetone	3.860	43	1021	7.022	ug/l #	61
20) Methylene Chloride	4.598	84	10848	2.247	ug/l #	84
25) 2-Butanone	6.866	43	394	1.683	ug/l #	41
31) Cyclohexane	7.695	56	1783	Below Cal	#	42
36) 1,1-Dichloropropene	7.689	75	6254	5.026	ug/l #	49
38) Carbon Tetrachloride	7.695	117	8061	5.590	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	27416	52.357	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	27416	129.305	ug/l #	16
95) Naphthalene	15.145	128	3006	1.762	ug/l #	93

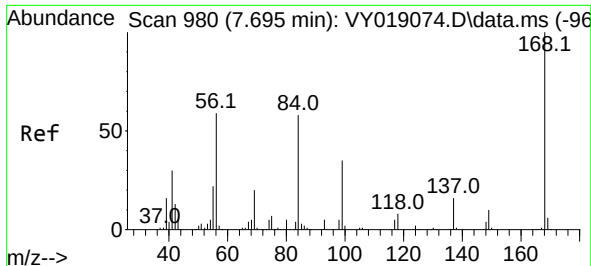
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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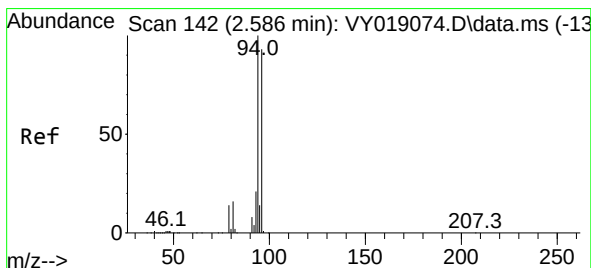
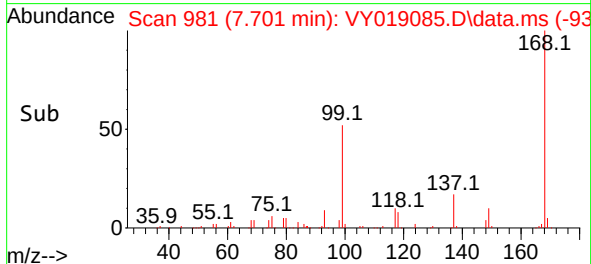
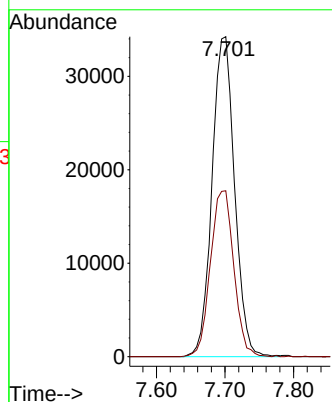
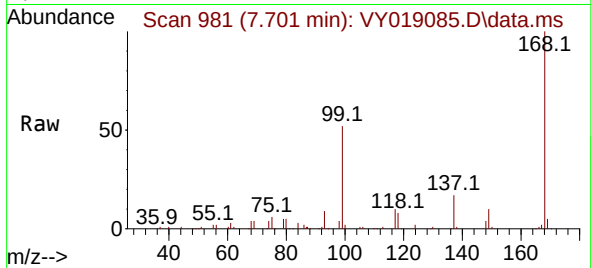




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

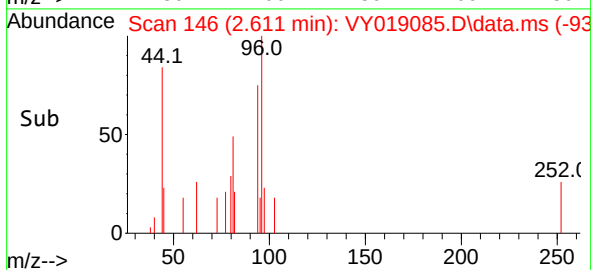
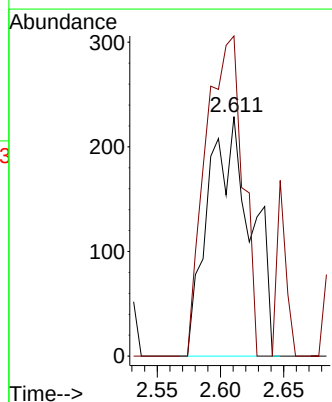
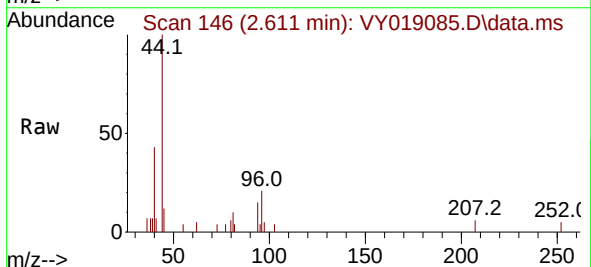
Instrument :
MSVOA_Y
ClientSampleId :

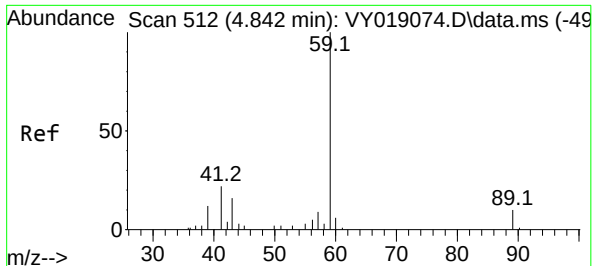
Tgt Ion:168 Resp: 78210
Ion Ratio Lower Upper
168 100
99 51.9 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

Tgt Ion: 94 Resp: 544
Ion Ratio Lower Upper
94 100
96 133.6 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

Instrument :

MSVOA_Y

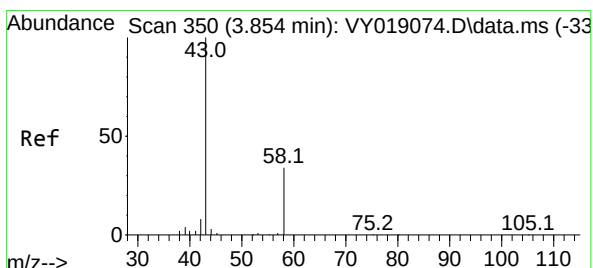
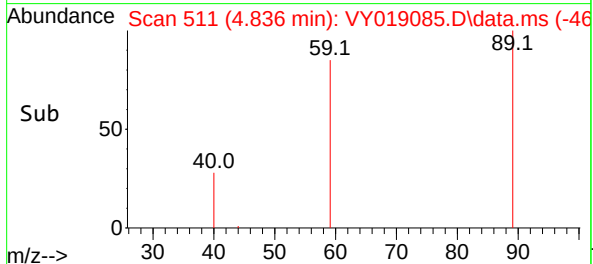
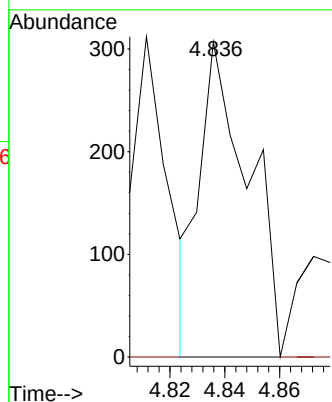
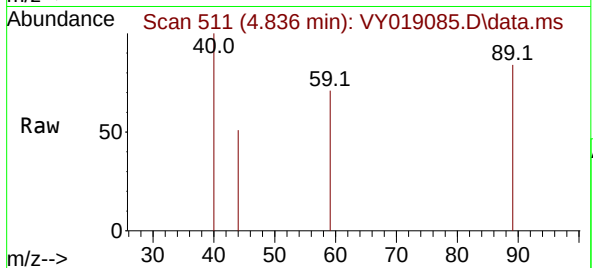
ClientSampleId :

Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 7.022 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019085.D

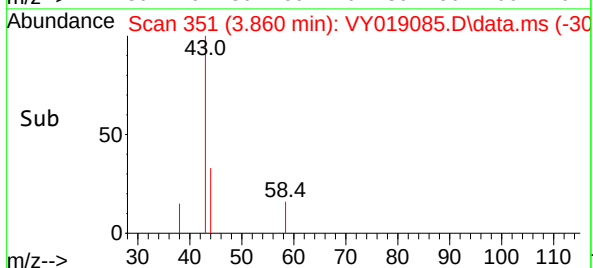
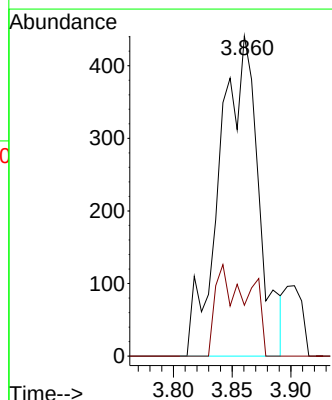
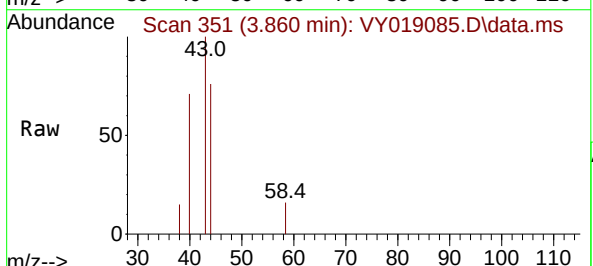
Acq: 16 Aug 2024 11:44

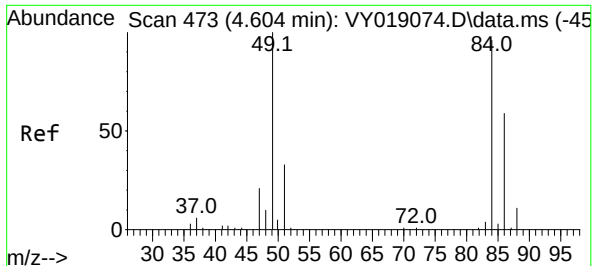
Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

43 100

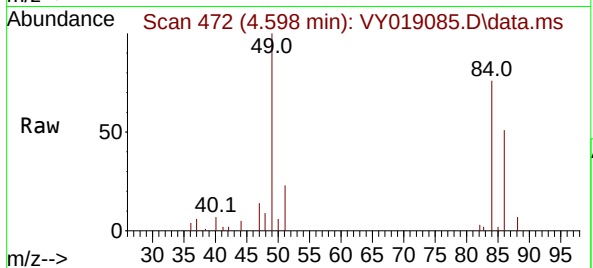
58 15.9 31.7 47.5#



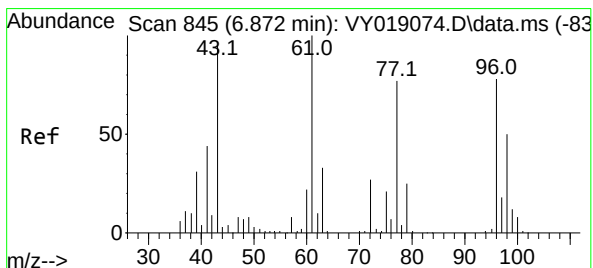
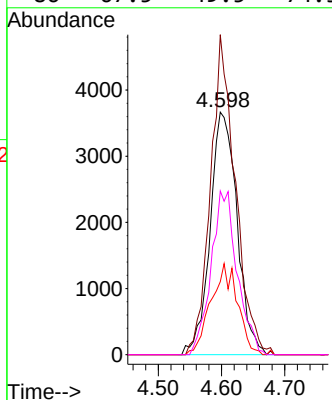


#20
Methylene Chloride
Concen: 2.247 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

Instrument :
MSVOA_Y
ClientSampleId :

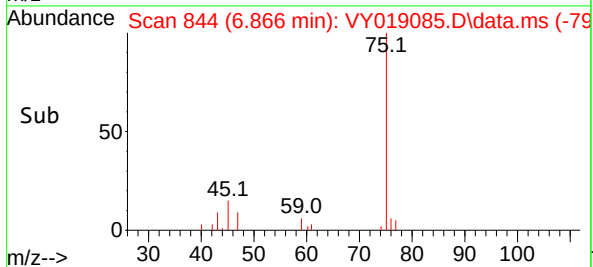
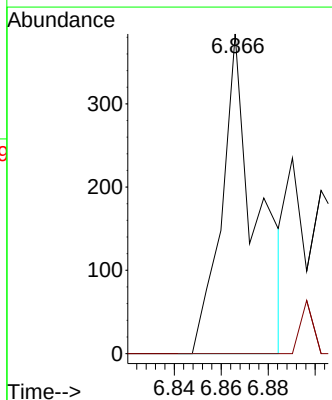
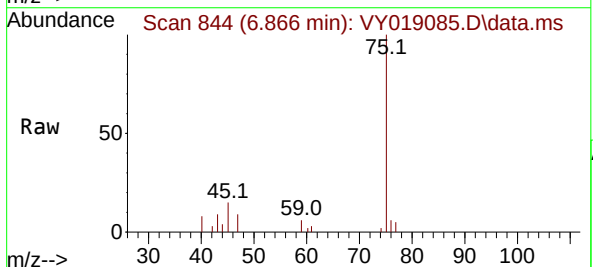


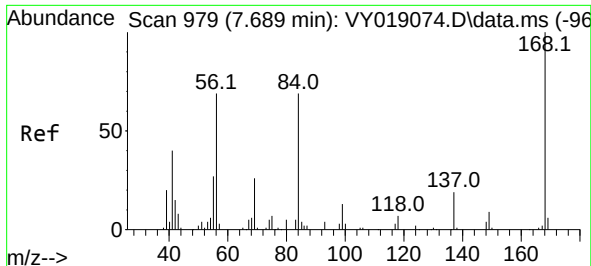
Tgt Ion	84	Resp:	10848
Ion	Ratio	Lower	Upper
84	100		
49	131.9	84.4	126.6#
51	30.1	26.0	39.0
86	67.5	49.5	74.3



#25
2-Butanone
Concen: 1.683 ug/l
RT: 6.866 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

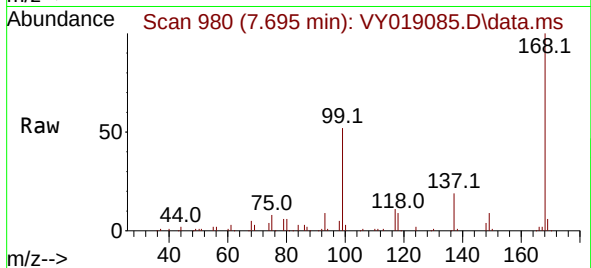
Tgt Ion	43	Resp:	394
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



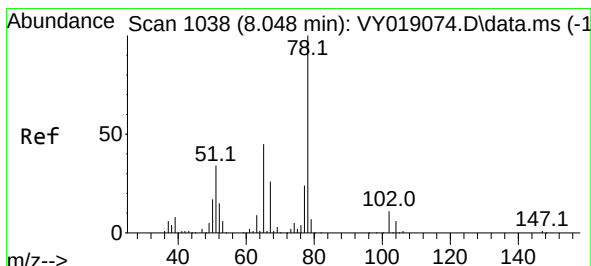
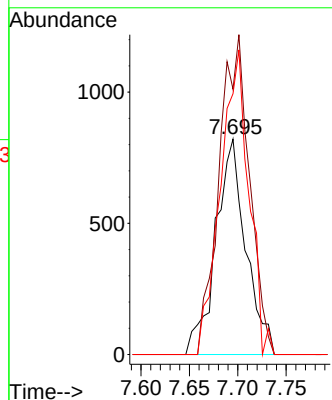
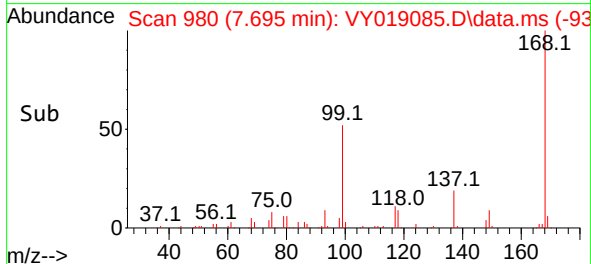


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

Instrument :
MSVOA_Y
ClientSampleId :

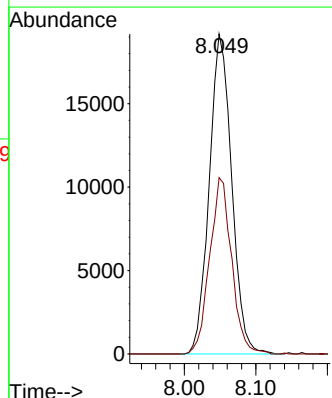
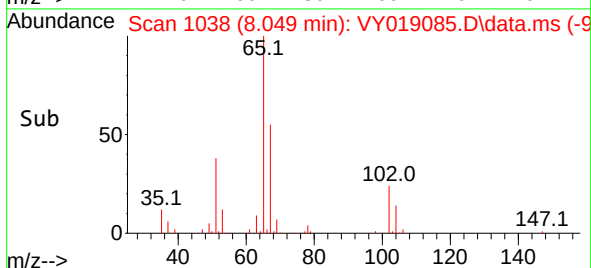
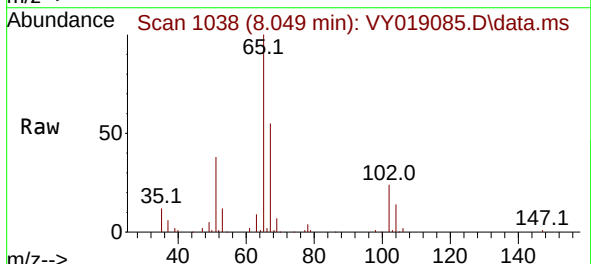


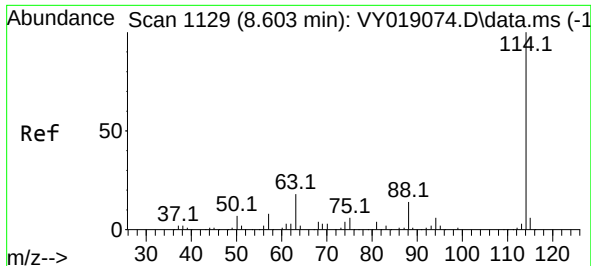
Tgt Ion: 56 Resp: 1783
Ion Ratio Lower Upper
56 100
69 123.1 28.7 43.1#
84 121.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.289 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

Tgt Ion: 65 Resp: 41778
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

Instrument :

MSVOA_Y

ClientSampleId :

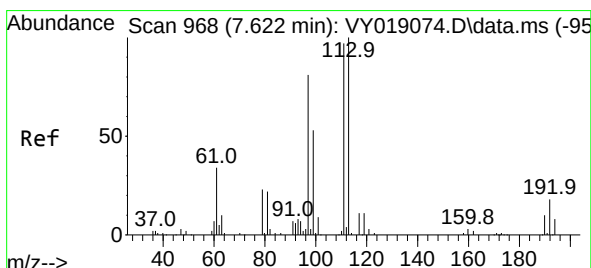
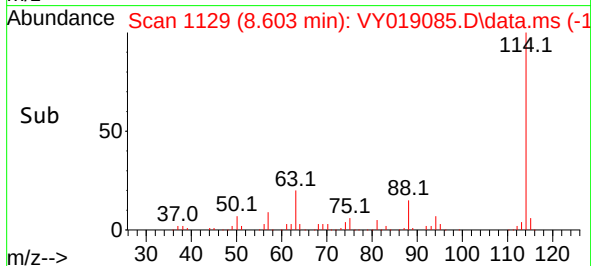
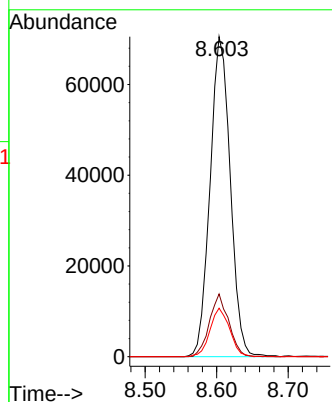
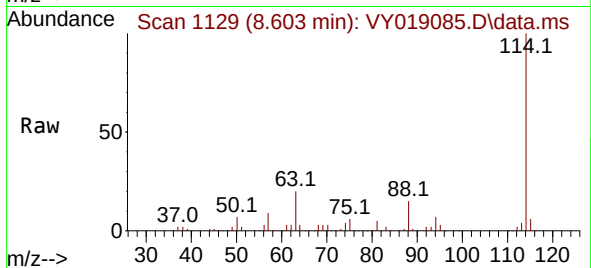
Tgt Ion:114 Resp: 138580

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.519 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

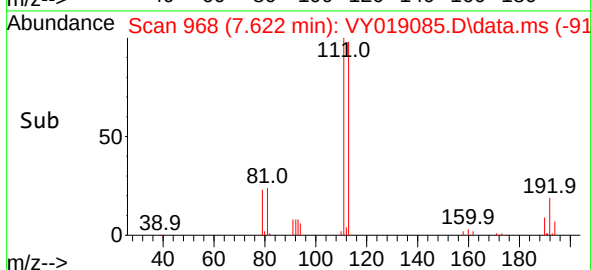
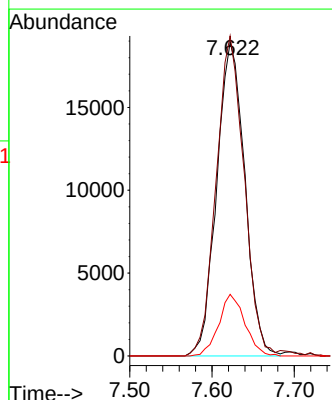
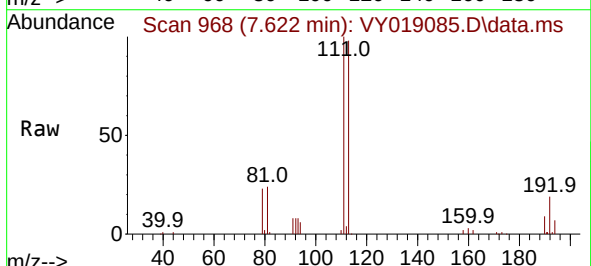
Tgt Ion:113 Resp: 44870

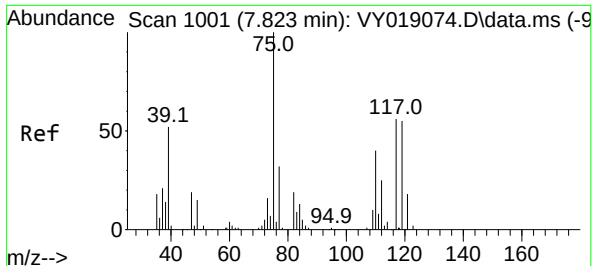
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 18.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 7.689 min Scan# 91

Delta R.T. -0.134 min

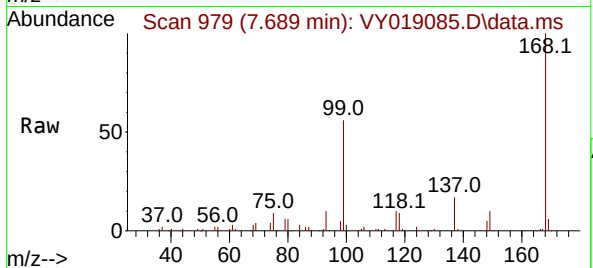
Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

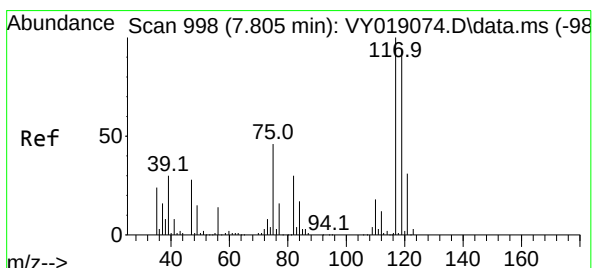
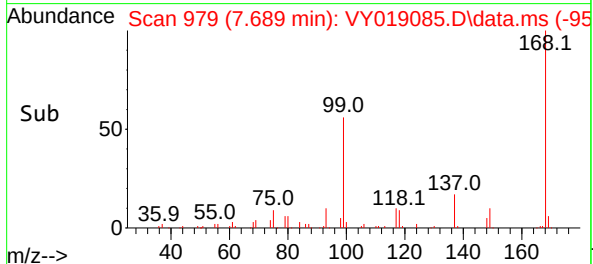
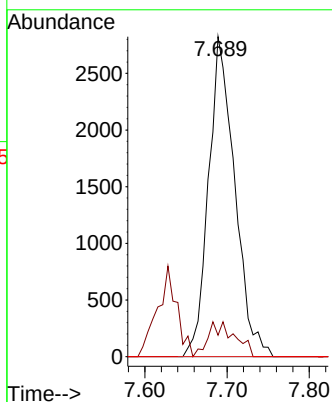
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6254
Ion Ratio	Lower Upper
75 100	
110 10.2	19.0 57.0#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.590 ug/l

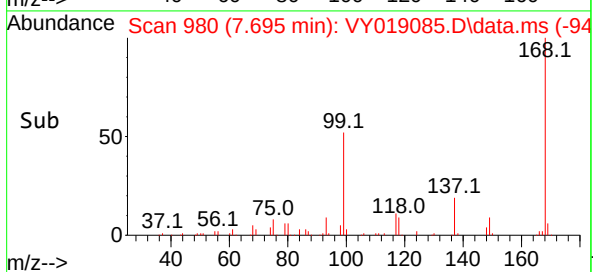
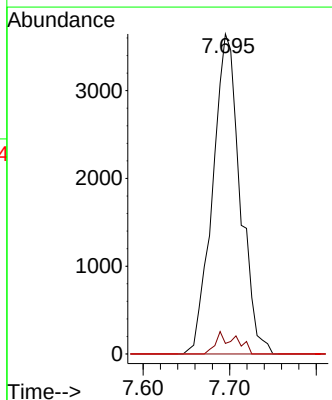
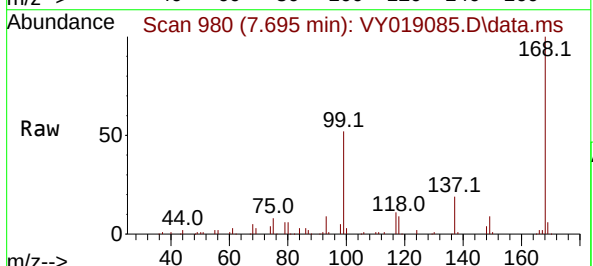
RT: 7.695 min Scan# 980

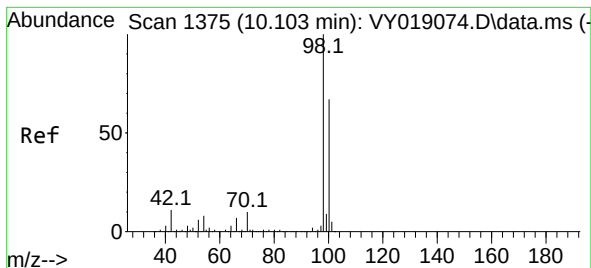
Delta R.T. -0.109 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

Tgt Ion: 117	Resp: 8061
Ion Ratio	Lower Upper
117 100	
119 3.3	75.8 113.6#
121 0.0	24.0 36.0#





#50

Toluene-d8

Concen: 47.749 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

Instrument :

MSVOA_Y

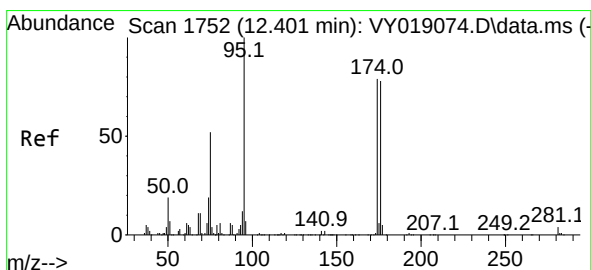
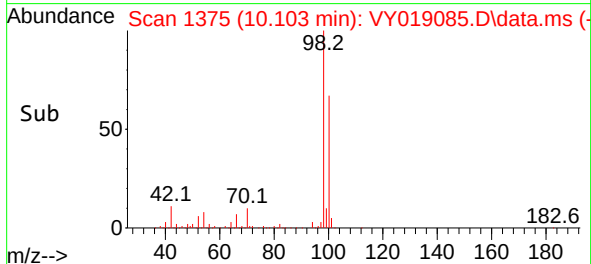
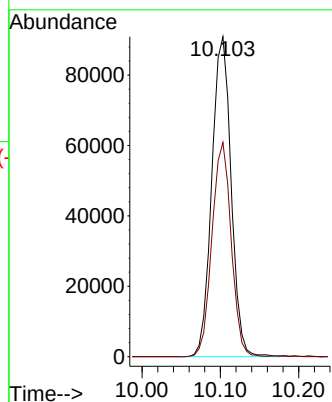
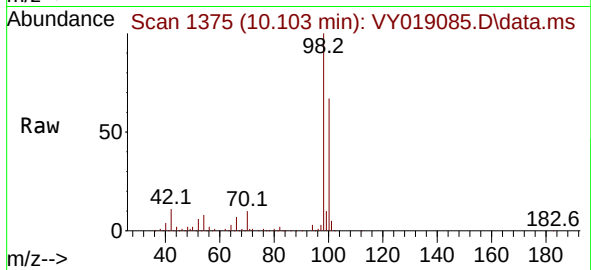
ClientSampleId :

Tgt Ion: 98 Resp: 155701

Ion Ratio Lower Upper

98 100

100 66.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.254 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

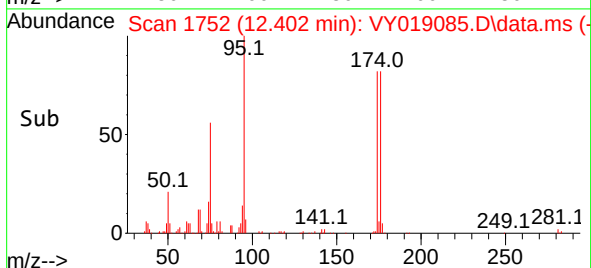
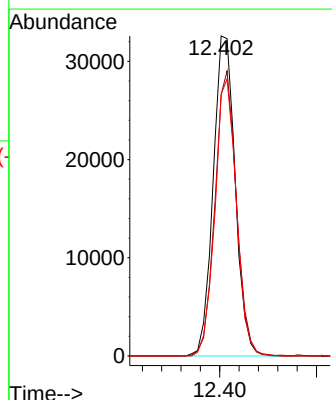
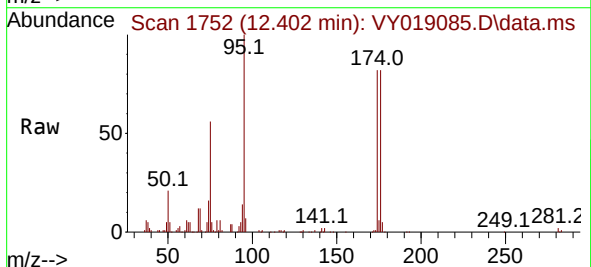
Tgt Ion: 95 Resp: 51416

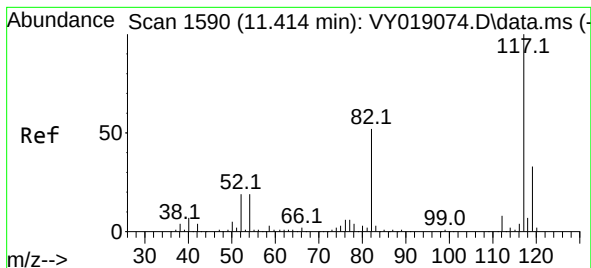
Ion Ratio Lower Upper

95 100

174 86.7 0.0 175.6

176 84.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019085.D

Acq: 16 Aug 2024 11:44

Instrument :

MSVOA_Y

ClientSampleId :

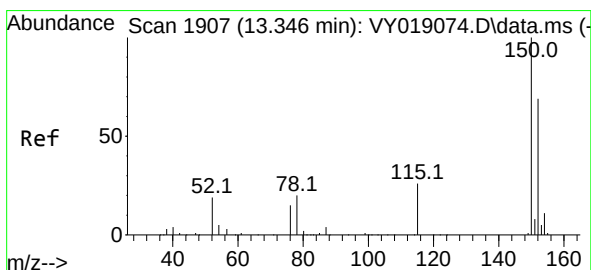
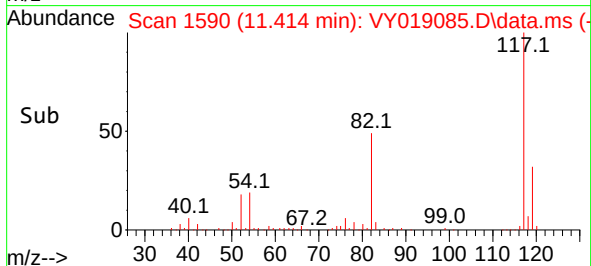
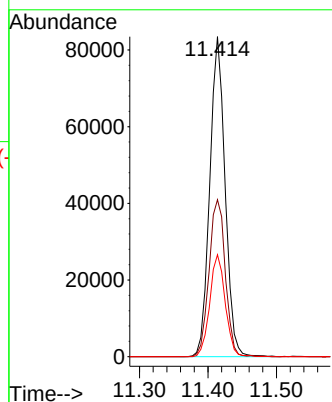
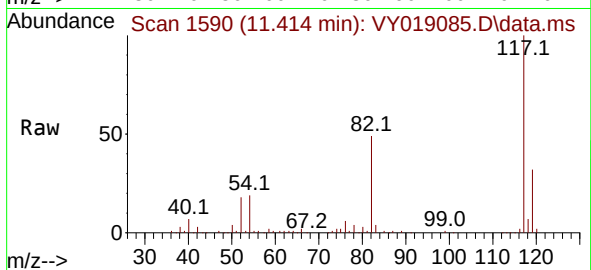
Tgt Ion:117 Resp: 129808

Ion Ratio Lower Upper

117 100

82 49.1 42.4 63.6

119 31.9 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: VY019085.D

Acq: 16 Aug 2024 11:44

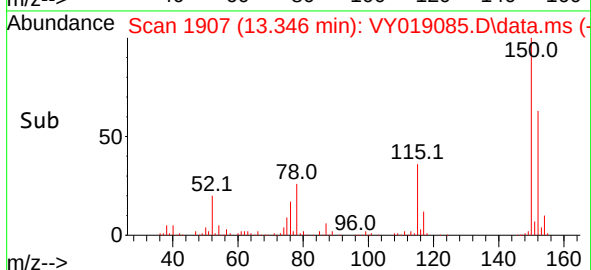
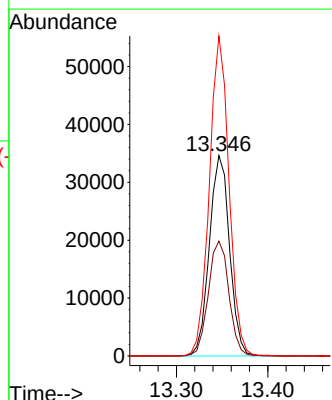
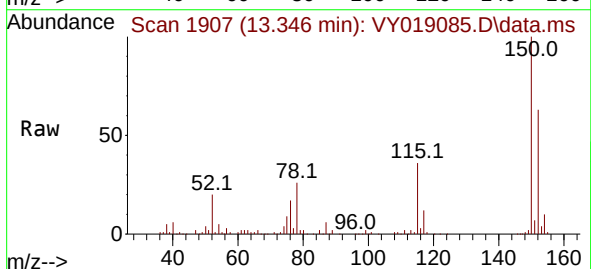
Tgt Ion:152 Resp: 53097

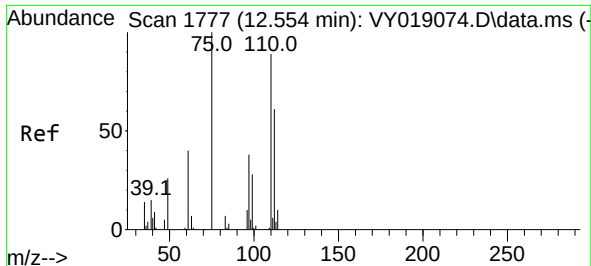
Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 155.2 0.0 345.6

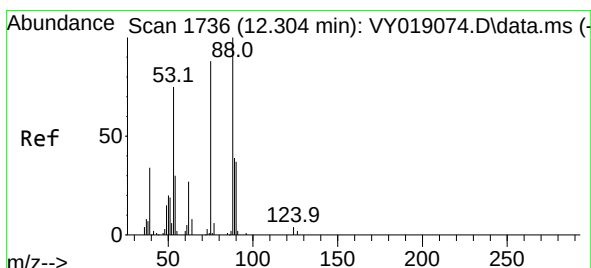
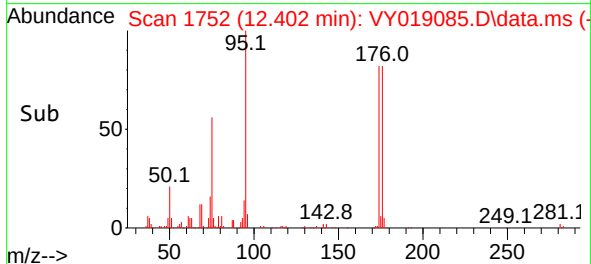
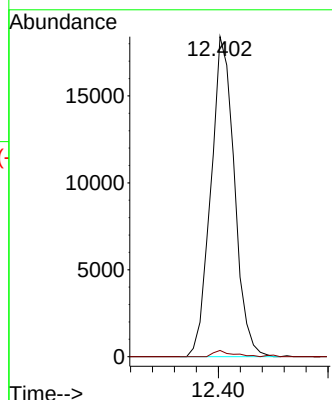
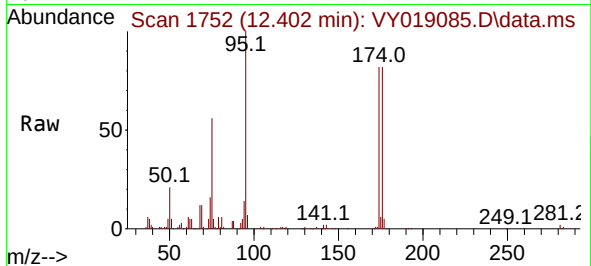




#76
1,2,3-Trichloropropane
Concen: 52.357 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

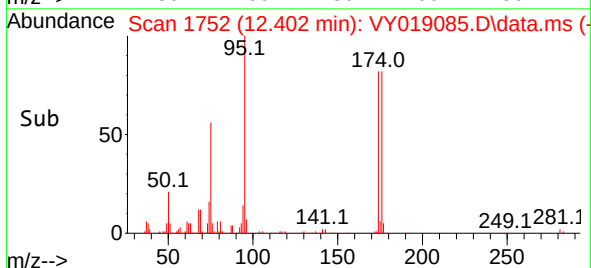
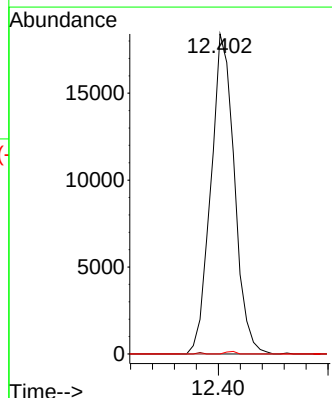
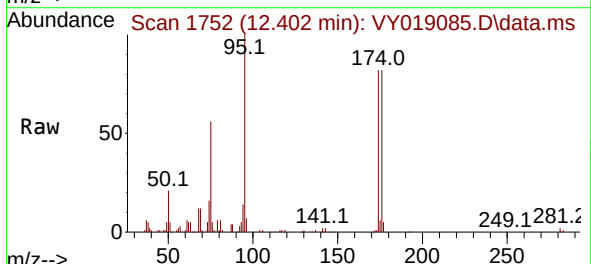
Instrument :
MSVOA_Y
ClientSampleId :

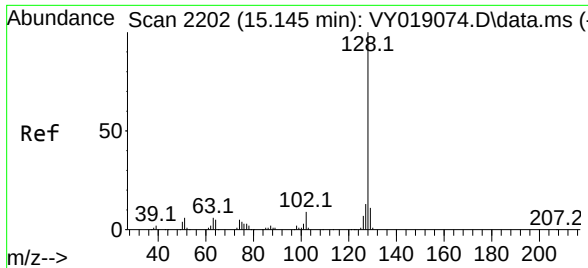
Tgt Ion: 75 Resp: 27416
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.305 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019085.D
Acq: 16 Aug 2024 11:44

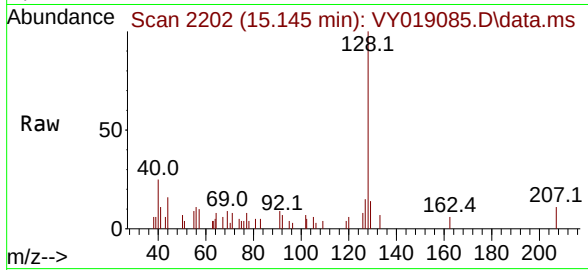
Tgt Ion: 75 Resp: 27416
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#





#95
 Naphthalene
 Concen: 1.762 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019085.D
 Acq: 16 Aug 2024 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	3006
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	16.5	8.6	13.0

