

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020247.D
 Acq On : 11 Nov 2024 14:49
 Operator : SY/MD
 Sample : P4768-05
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 11 23:16:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

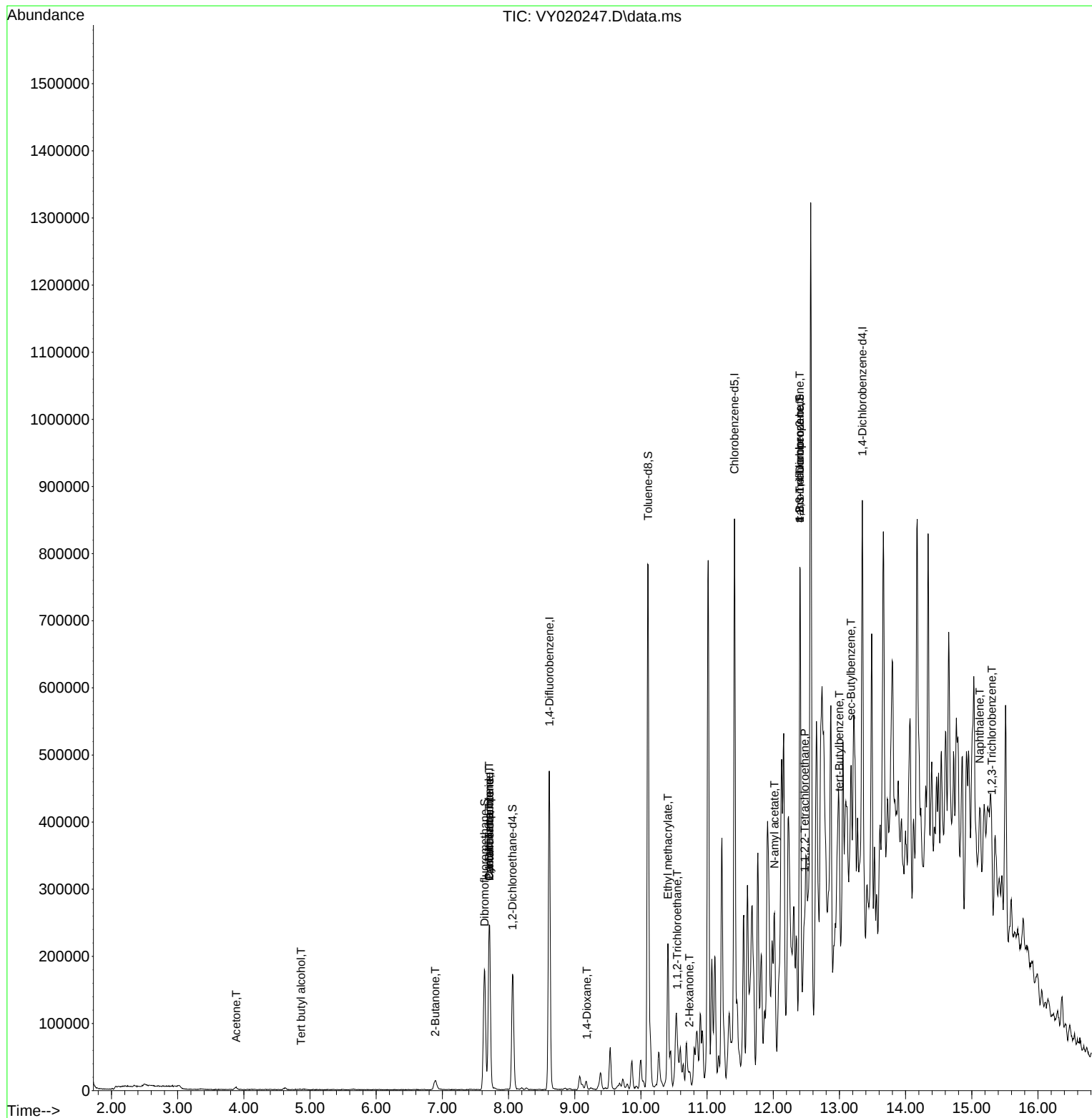
Internal Standards						
1) Pentafluorobenzene	7.713	168	173593	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	369047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	365456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133284	61.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.040%	
35) Dibromofluoromethane	7.640	113	123592	52.673	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.340%	
50) Toluene-d8	10.109	98	478257	51.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.402	95	174801	57.621	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 115.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	707	4.537	ug/l	# 88
16) Acetone	3.885	43	6222	12.349	ug/l	# 74
25) 2-Butanone	6.890	43	1253	1.835	ug/l	# 73
31) Cyclohexane	7.707	56	5168	1.314	ug/l	# 45
36) 1,1-Dichloropropene	7.707	75	17960	4.955	ug/l	# 47
38) Carbon Tetrachloride	7.707	117	20340	5.580	ug/l	# 16
49) 1,4-Dioxane	9.183	88	35	2.479	ug/l	# 1
55) 1,1,2-Trichloroethane	10.548	97	17649	10.350	ug/l	# 25
56) Ethyl methacrylate	10.408	69	57894	23.667	ug/l	# 82
59) 2-Hexanone	10.731	43	11281	9.190	ug/l	# 28
74) N-amyl acetate	12.017	43	28055	9.714	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.475	83	18121	8.968	ug/l	# 65
76) 1,2,3-Trichloropropane	12.402	75	93728	69.132	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	93728	148.701	ug/l	# 20
83) tert-Butylbenzene	12.999	119	8448	1.042	ug/l	# 57
85) sec-Butylbenzene	13.176	105	39551	3.176	ug/l	85
95) Naphthalene	15.121	128	5419	1.308	ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.303	180	2651	1.409	ug/l	# 1

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

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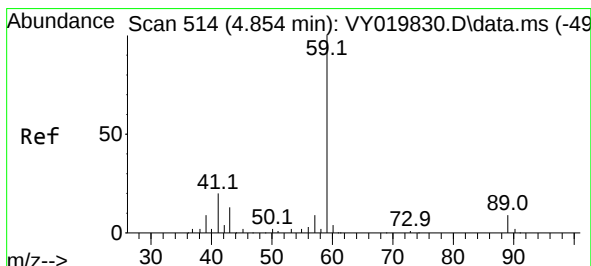
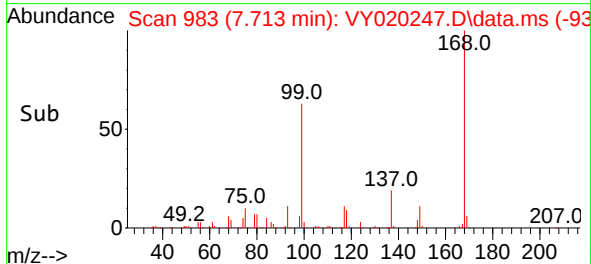
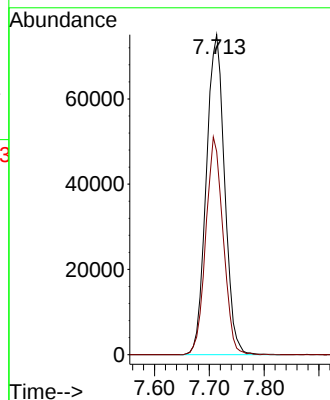
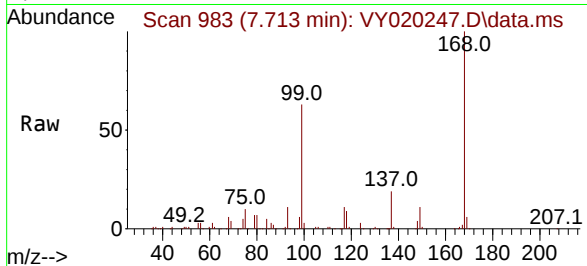




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

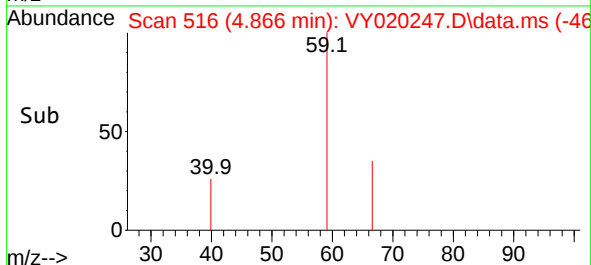
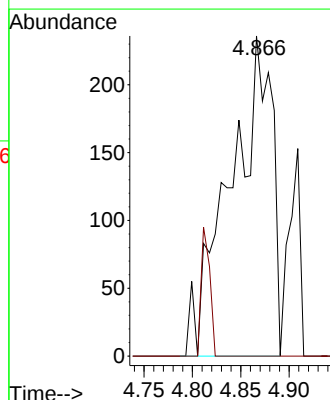
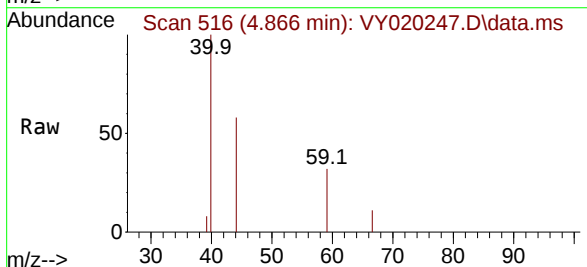
Instrument :
MSVOA_Y
ClientSampleId :

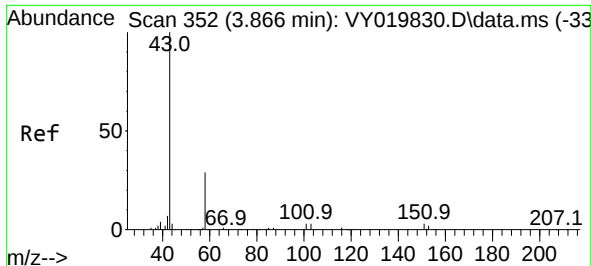
Tgt Ion:168 Resp: 173593
Ion Ratio Lower Upper
168 100
99 63.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 4.537 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

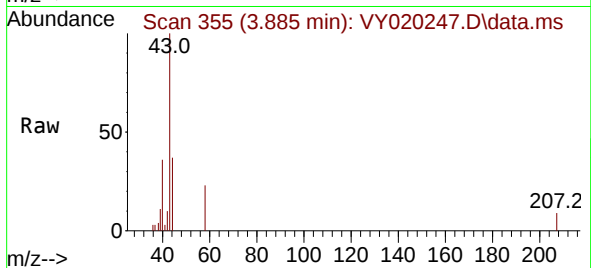
Tgt Ion: 59 Resp: 707
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



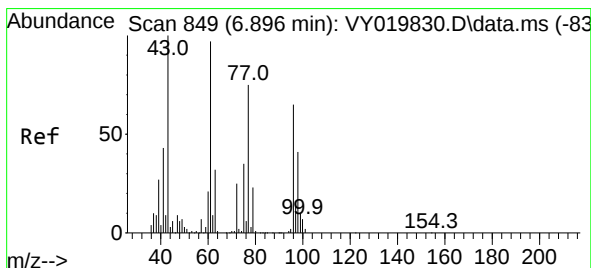
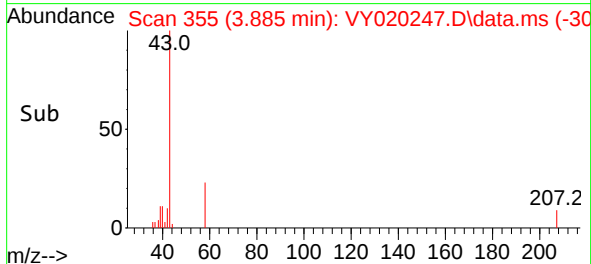
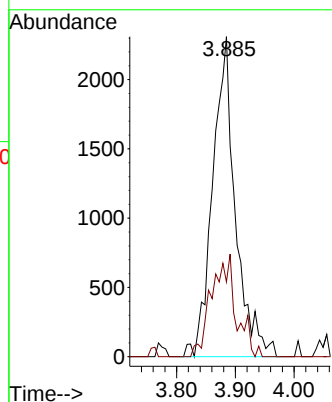


#16
Acetone
Concen: 12.349 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :

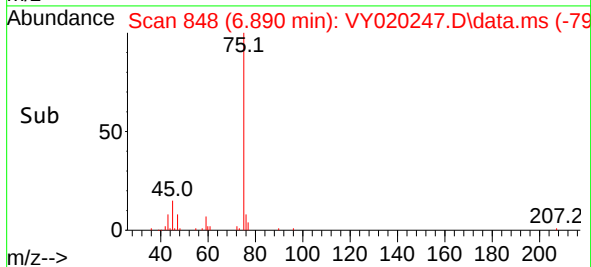
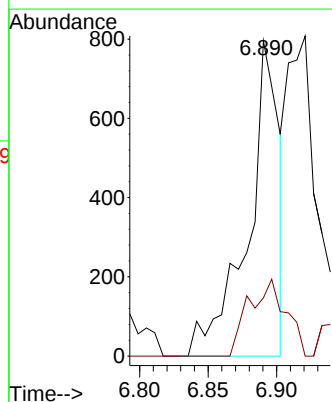
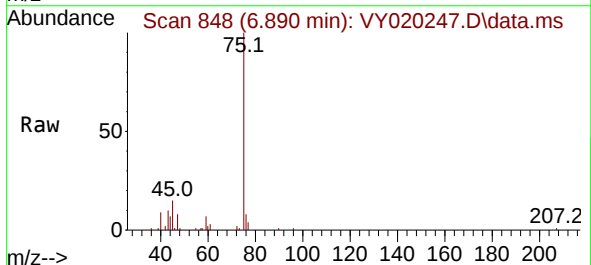


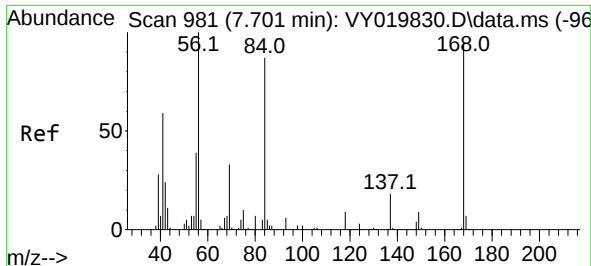
Tgt Ion: 43 Resp: 6222
Ion Ratio Lower Upper
43 100
58 23.4 31.7 47.5#



#25
2-Butanone
Concen: 1.835 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
72 18.5 27.3 40.9#

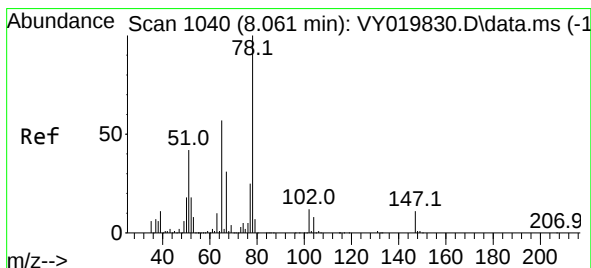
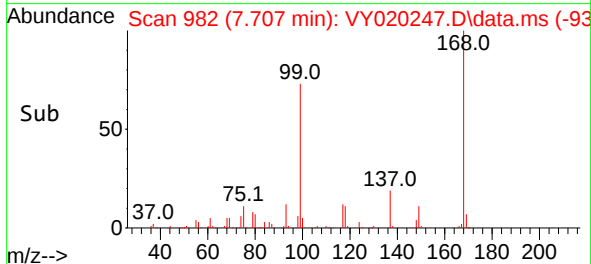
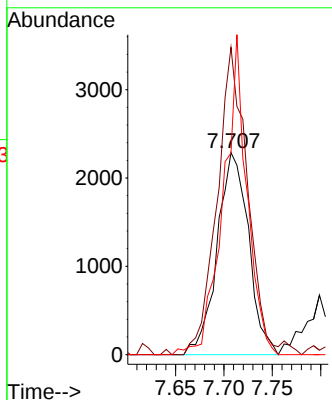
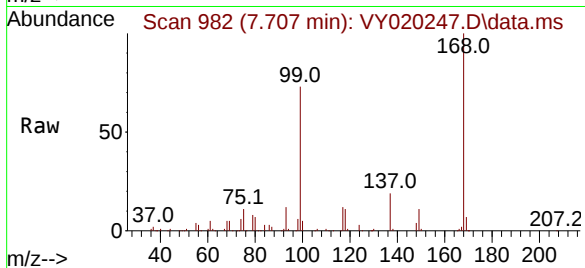




#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

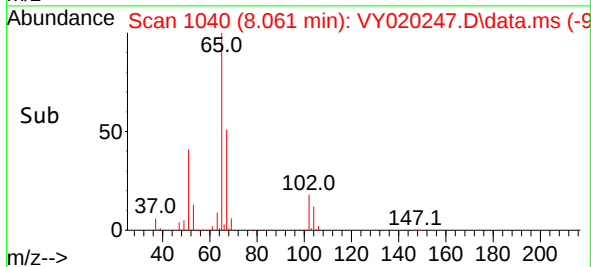
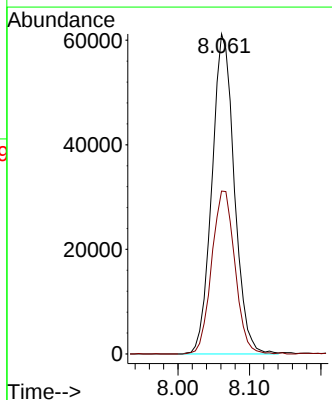
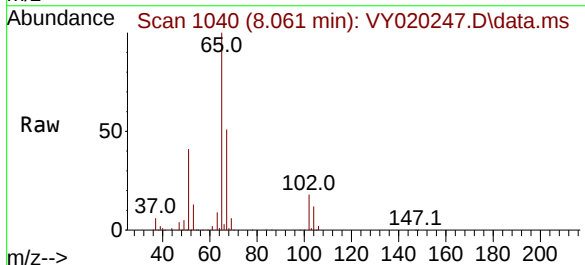
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 5168
Ion Ratio Lower Upper
56 100
69 152.1 28.7 43.1#
84 99.7 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 61.519 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 65 Resp: 133284
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

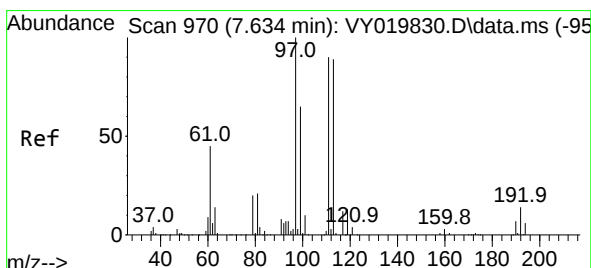
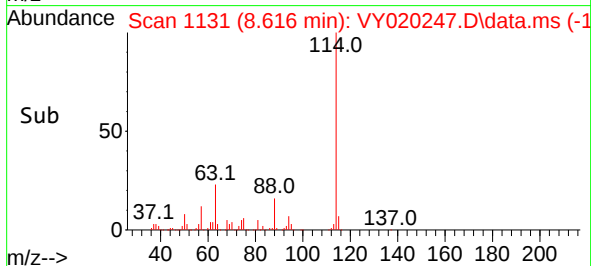
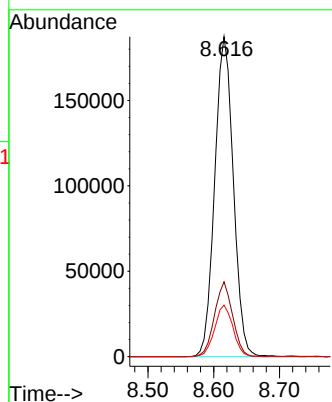
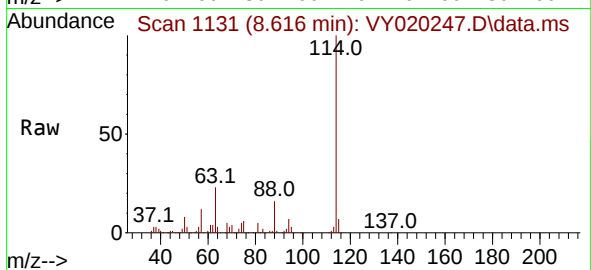
Tgt Ion:114 Resp: 369047

Ion Ratio Lower Upper

114 100

63 23.4 0.0 35.0

88 16.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.673 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

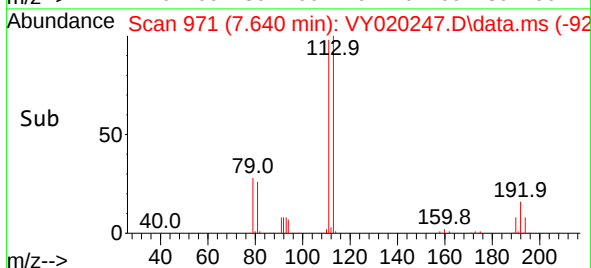
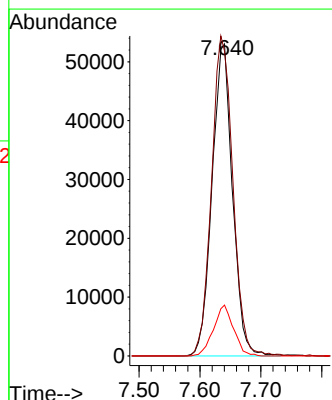
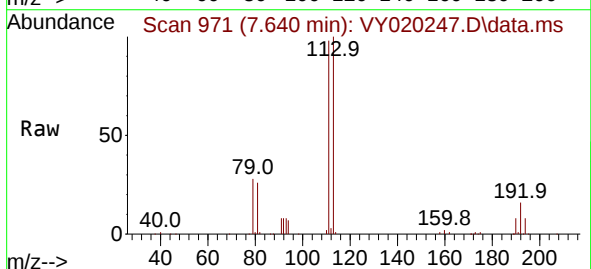
Tgt Ion:113 Resp: 123592

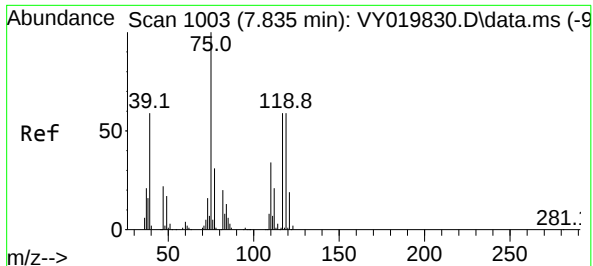
Ion Ratio Lower Upper

113 100

111 107.0 82.2 123.4

192 16.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

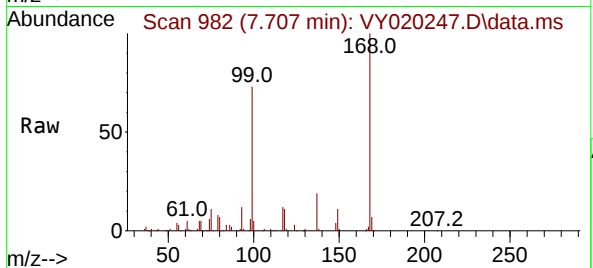
Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :



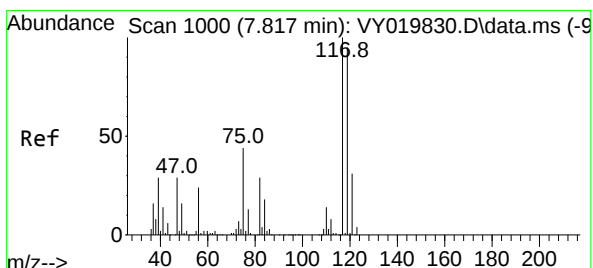
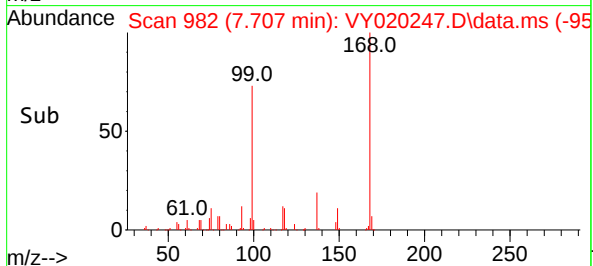
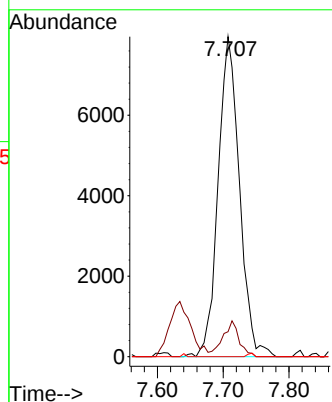
Tgt Ion: 75 Resp: 17960

Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.580 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

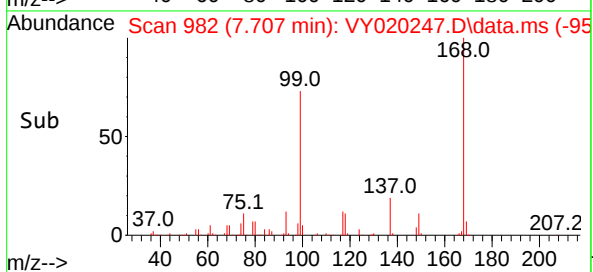
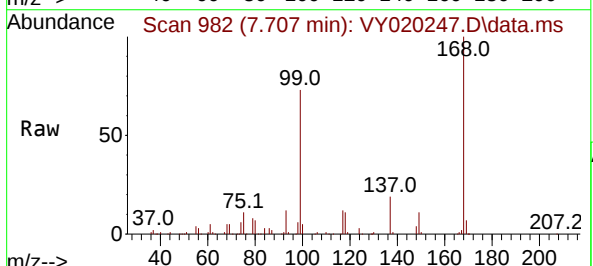
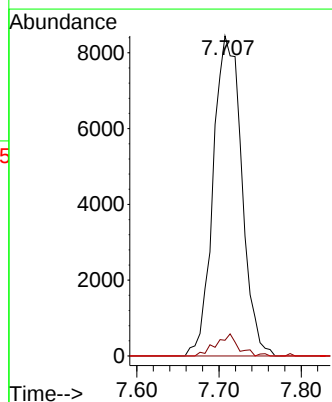
Tgt Ion: 117 Resp: 20340

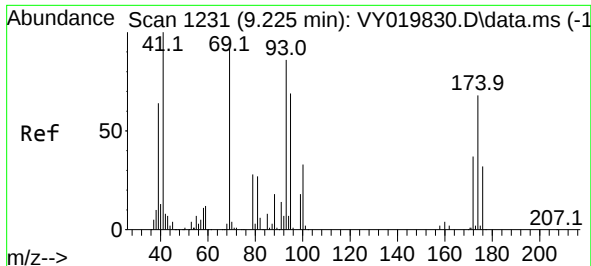
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 2.479 ug/l

RT: 9.183 min Scan# 11

Delta R.T. -0.048 min

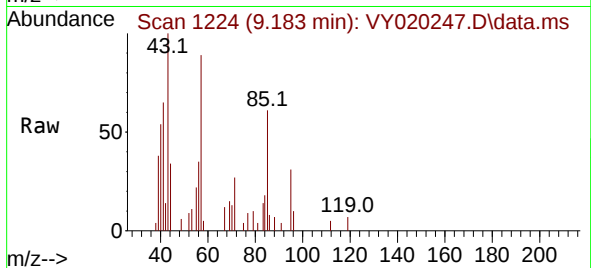
Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :



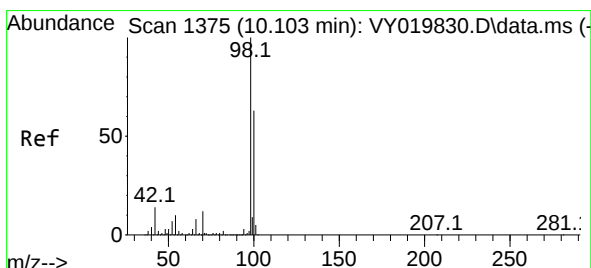
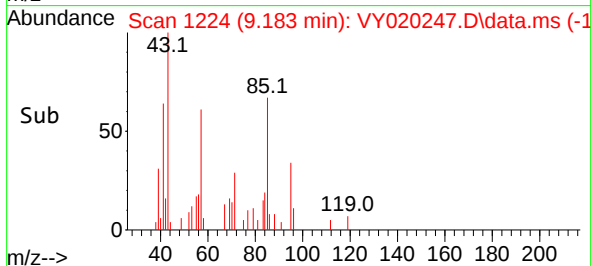
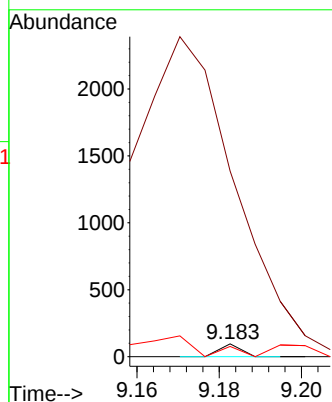
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 177.1 49.3 73.9#



#50

Toluene-d8

Concen: 51.207 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020247.D

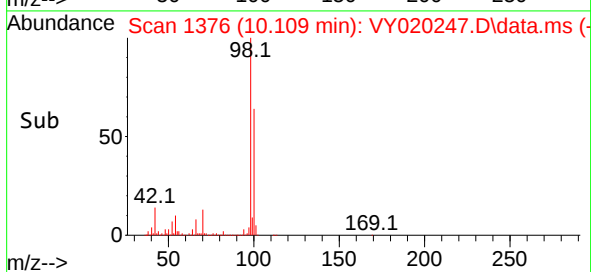
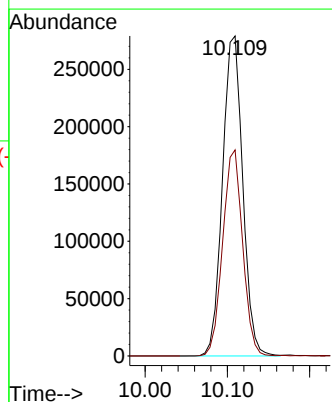
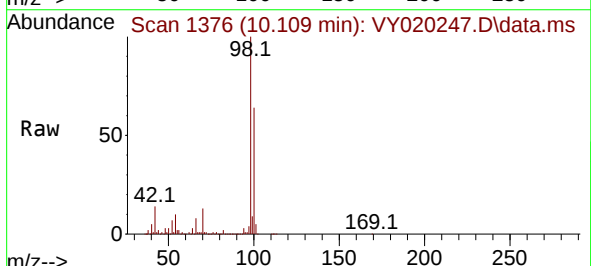
Acq: 11 Nov 2024 14:49

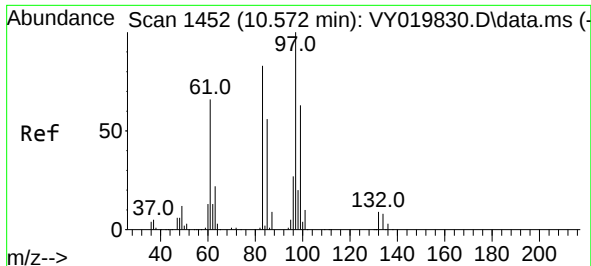
Tgt Ion: 98 Resp: 478257

Ion Ratio Lower Upper

98 100

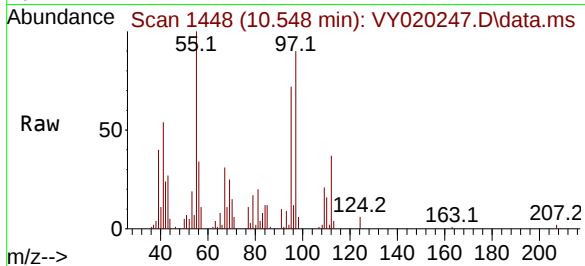
100 63.6 52.0 78.0



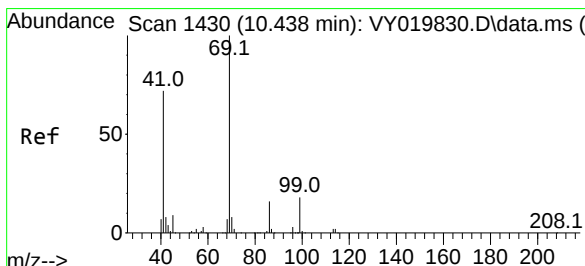
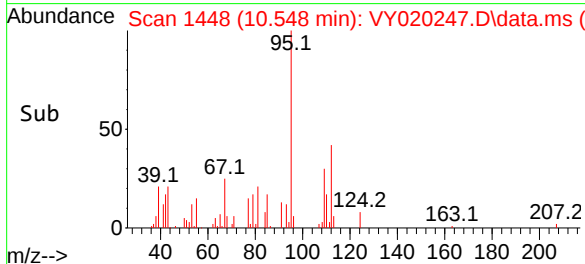
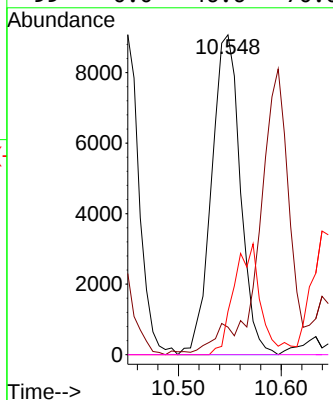


#55
1,1,2-Trichloroethane
Concen: 10.350 ug/l
RT: 10.548 min Scan# 1448
Delta R.T. -0.024 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :

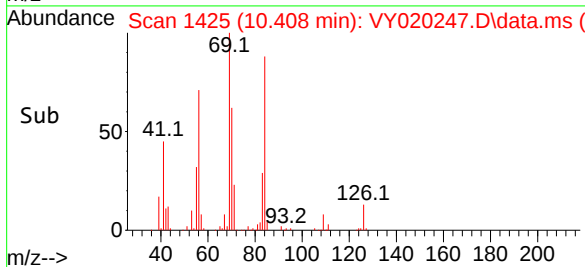
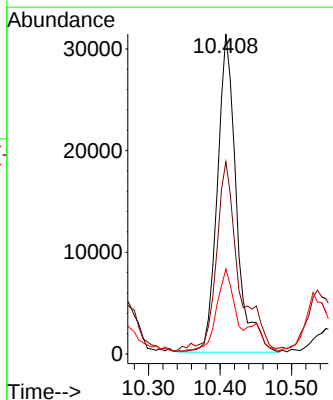
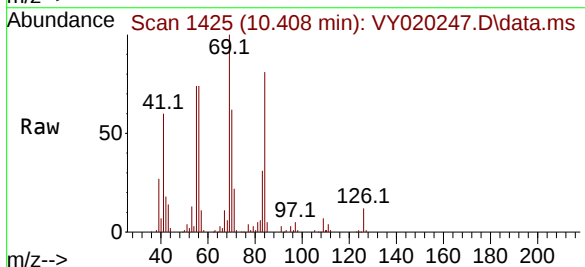


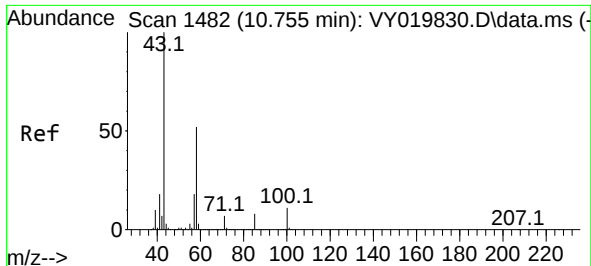
Tgt Ion	Ratio	Lower	Upper
97	100		
83	7.7	67.5	101.3#
85	13.5	42.9	64.3#
99	0.0	46.6	70.0#



#56
Ethyl methacrylate
Concen: 23.667 ug/l
RT: 10.408 min Scan# 1425
Delta R.T. -0.030 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.5	42.3	63.5#
39	25.2	22.9	34.3

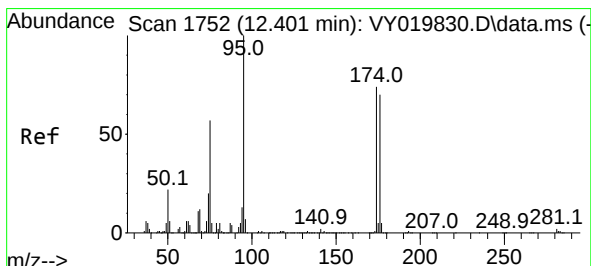
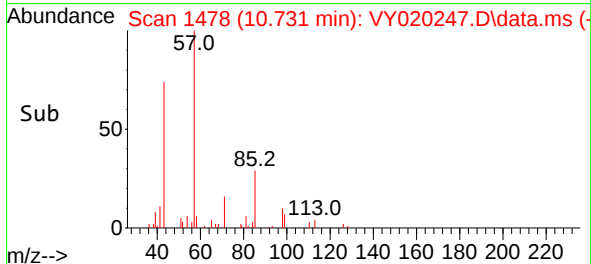
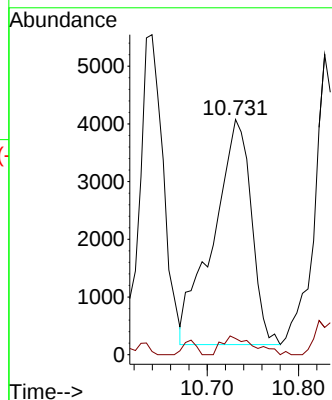
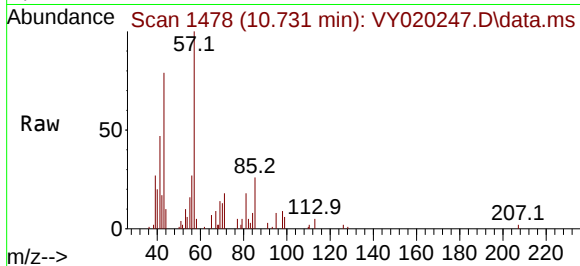




#59
2-Hexanone
Concen: 9.190 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

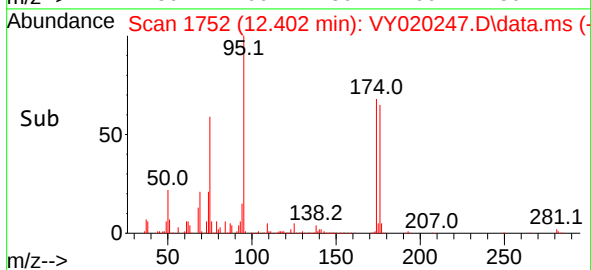
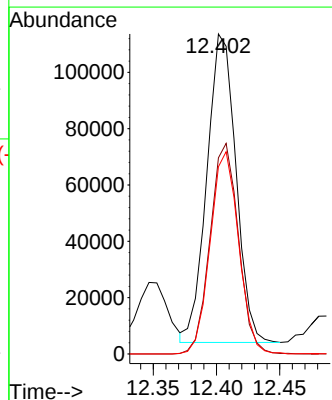
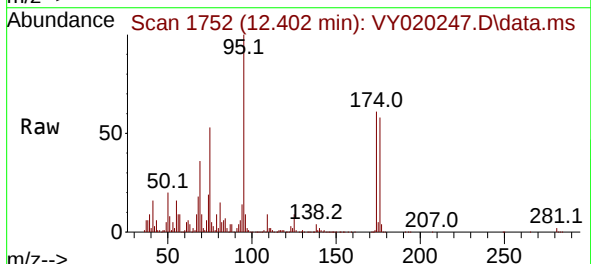
Instrument :
MSVOA_Y
ClientSampleId :

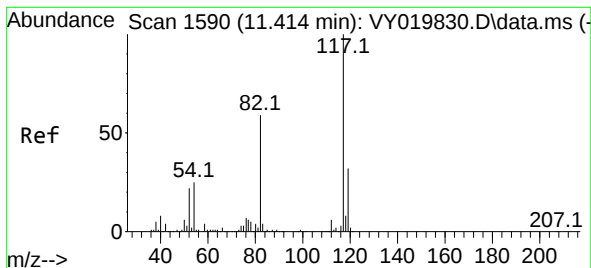
Tgt Ion: 43 Resp: 11281
Ion Ratio Lower Upper
43 100
58 6.9 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 57.621 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 95 Resp: 174801
Ion Ratio Lower Upper
95 100
174 66.7 0.0 175.6
176 64.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

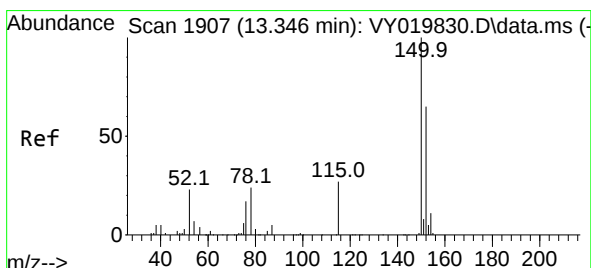
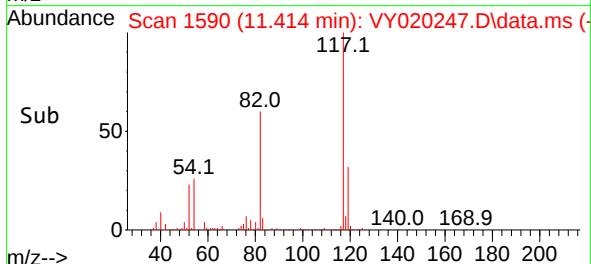
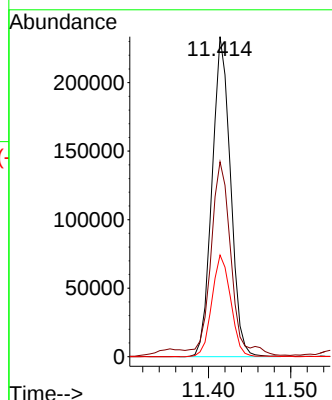
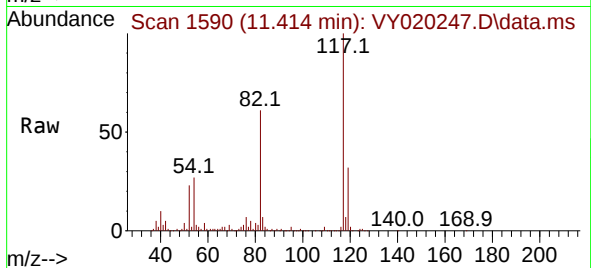
Tgt Ion:117 Resp: 365456

Ion Ratio Lower Upper

117 100

82 60.5 42.4 63.6

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

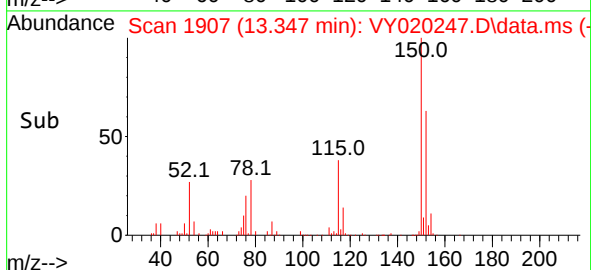
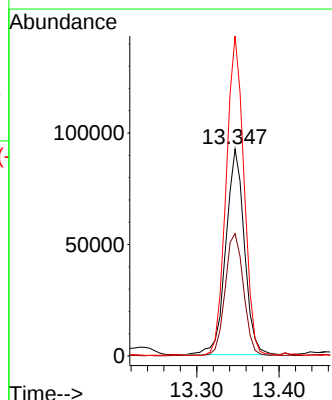
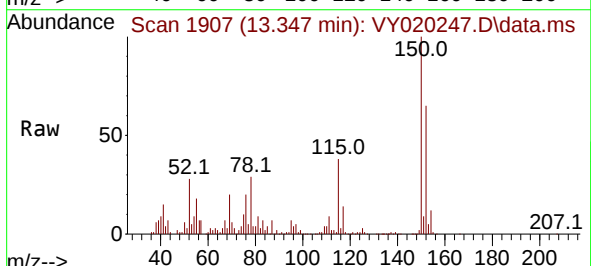
Tgt Ion:152 Resp: 144633

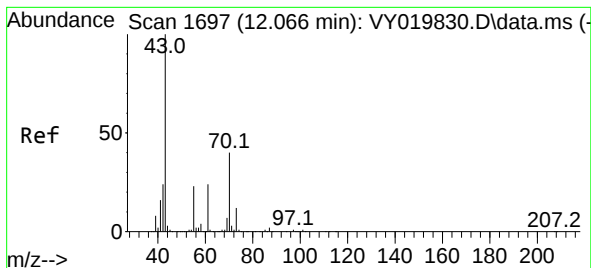
Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 149.1 0.0 345.6

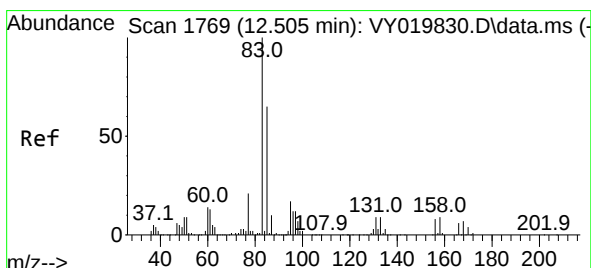
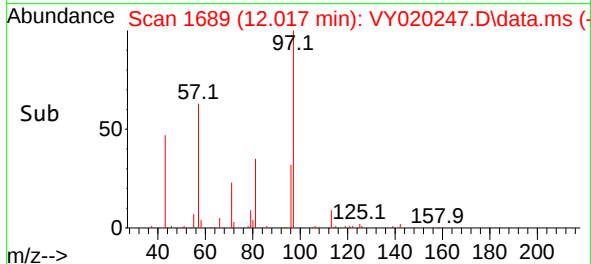
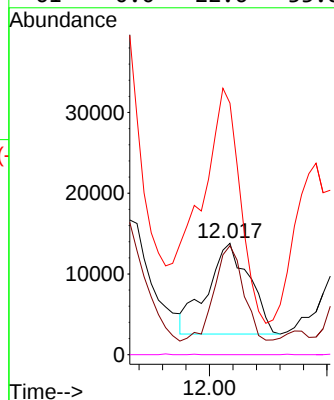
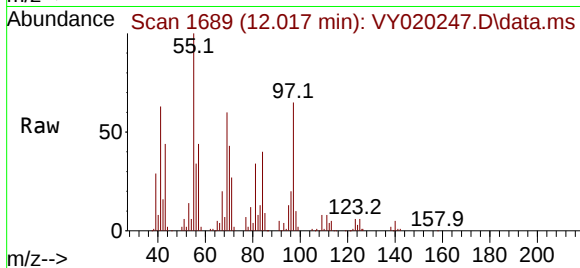




#74
N-amy1 acetate
Concen: 9.714 ug/l
RT: 12.017 min Scan# 1
Delta R.T. -0.054 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

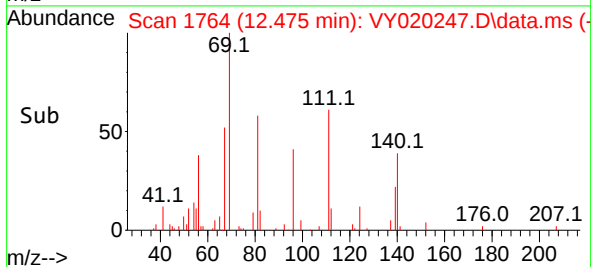
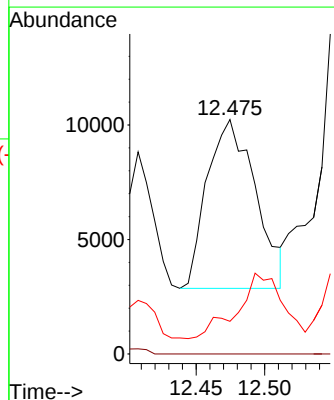
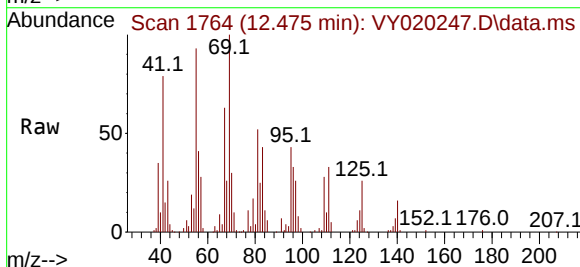
Instrument :
MSVOA_Y
ClientSampleId :

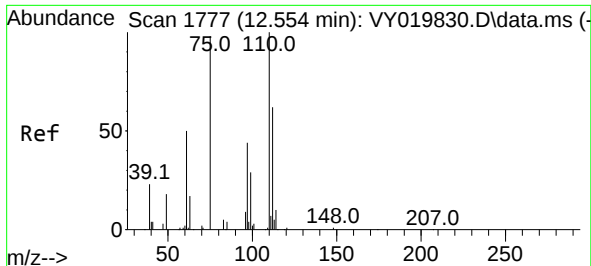
Tgt Ion:	43	Resp:	28055
Ion	Ratio	Lower	Upper
43	100		
70	72.3	41.4	62.2#
55	251.8	23.3	34.9#
61	0.0	22.6	33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 8.968 ug/l
RT: 12.475 min Scan# 1764
Delta R.T. -0.036 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion:	83	Resp:	18121
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	35.6	32.0	96.0

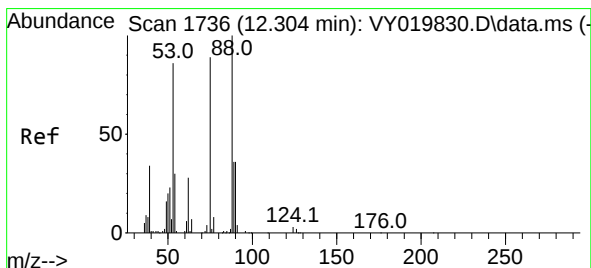
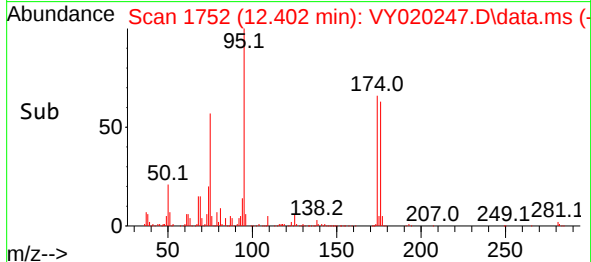
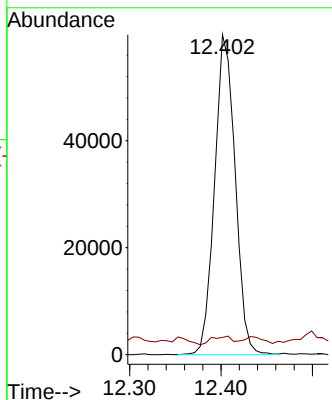
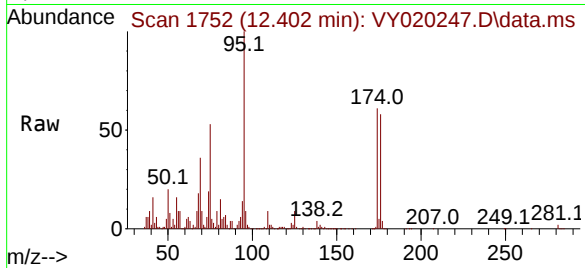




#76
1,2,3-Trichloropropane
Concen: 69.132 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

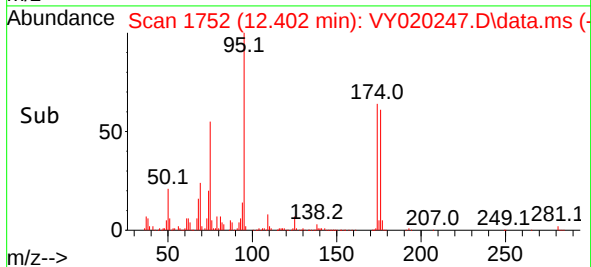
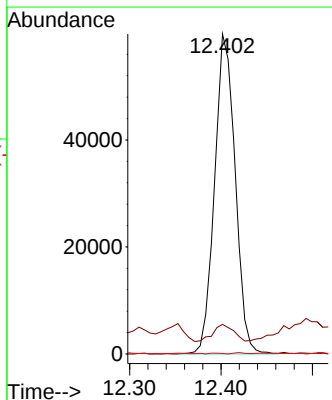
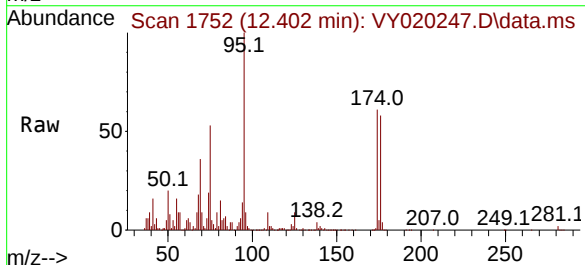
Instrument :
MSVOA_Y
ClientSampleId :

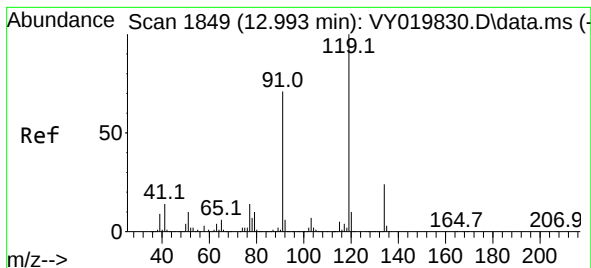
Tgt Ion: 75 Resp: 93728
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.701 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 75 Resp: 93728
Ion Ratio Lower Upper
75 100
53 5.3 66.8 100.2#
89 0.2 35.8 53.6#





#83

tert-Butylbenzene

Concen: 1.042 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

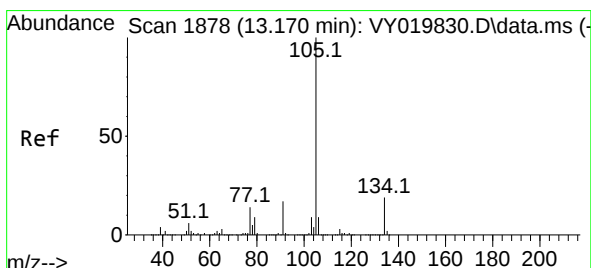
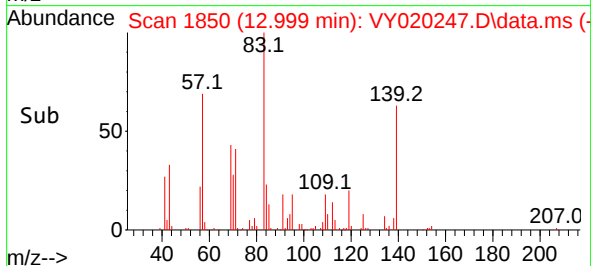
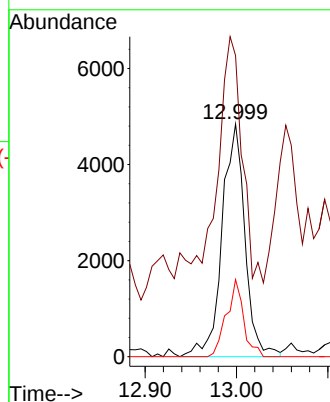
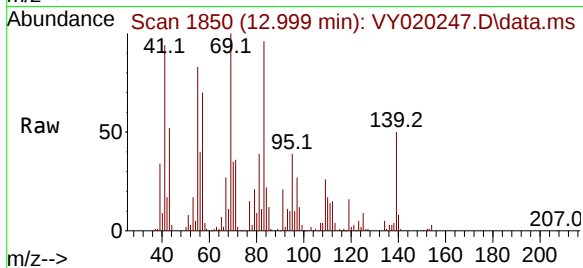
Tgt Ion:119 Resp: 8448

Ion Ratio Lower Upper

119 100

91 108.8 31.3 93.8#

134 24.7 13.4 40.1



#85

sec-Butylbenzene

Concen: 3.176 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY020247.D

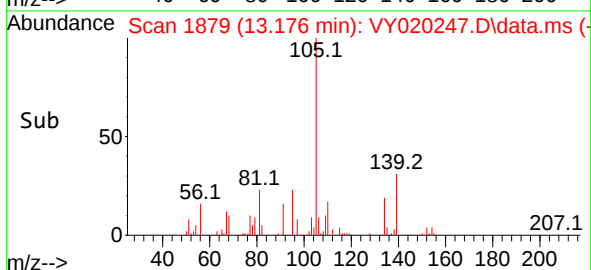
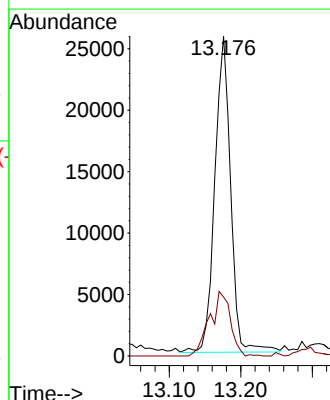
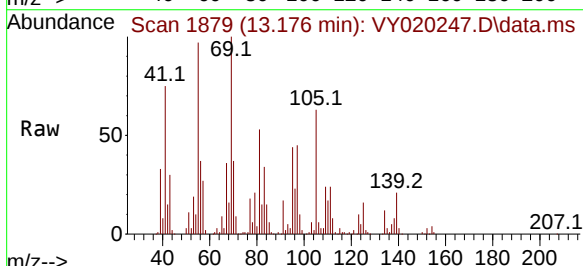
Acq: 11 Nov 2024 14:49

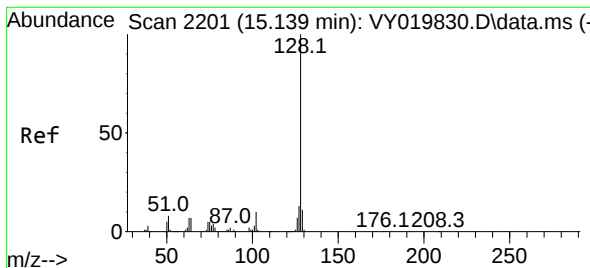
Tgt Ion:105 Resp: 39551

Ion Ratio Lower Upper

105 100

134 26.8 10.1 30.1





#95

Naphthalene

Concen: 1.308 ug/l

RT: 15.121 min Scan# 2198

Delta R.T. -0.024 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

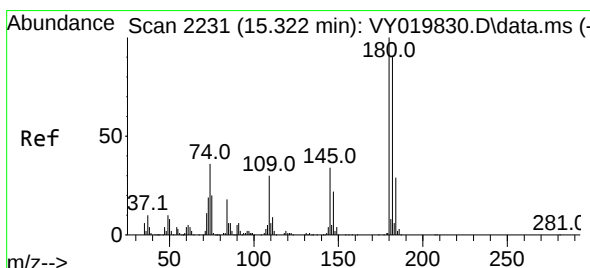
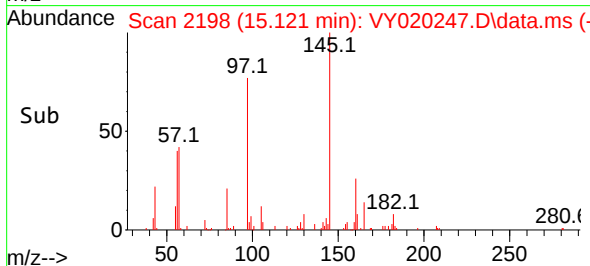
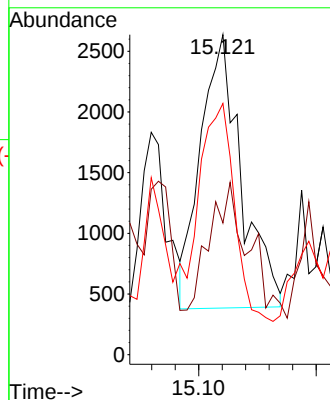
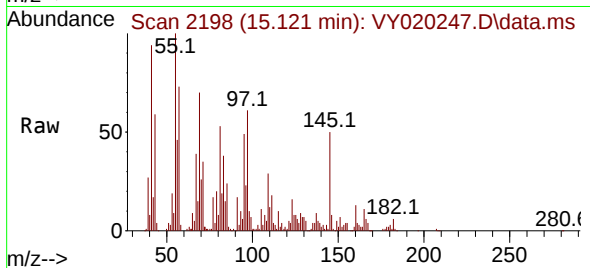
Tgt Ion:128 Resp: 5419

Ion Ratio Lower Upper

128 100

127 47.6 10.6 16.0#

129 69.2 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.409 ug/l

RT: 15.303 min Scan# 2228

Delta R.T. -0.024 min

Lab File: VY020247.D

Acq: 11 Nov 2024 14:49

Tgt Ion:180 Resp: 2651

Ion Ratio Lower Upper

180 100

182 32.1 47.6 142.9#

145 566.0 15.4 46.1#

