

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002023.D
 Acq On : 19 Mar 2020 15:50
 Operator : SY/MD
 Sample : L1978-09
 Misc : 7.38G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-(2.5-3.5)

Quant Time: Mar 20 01:57:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

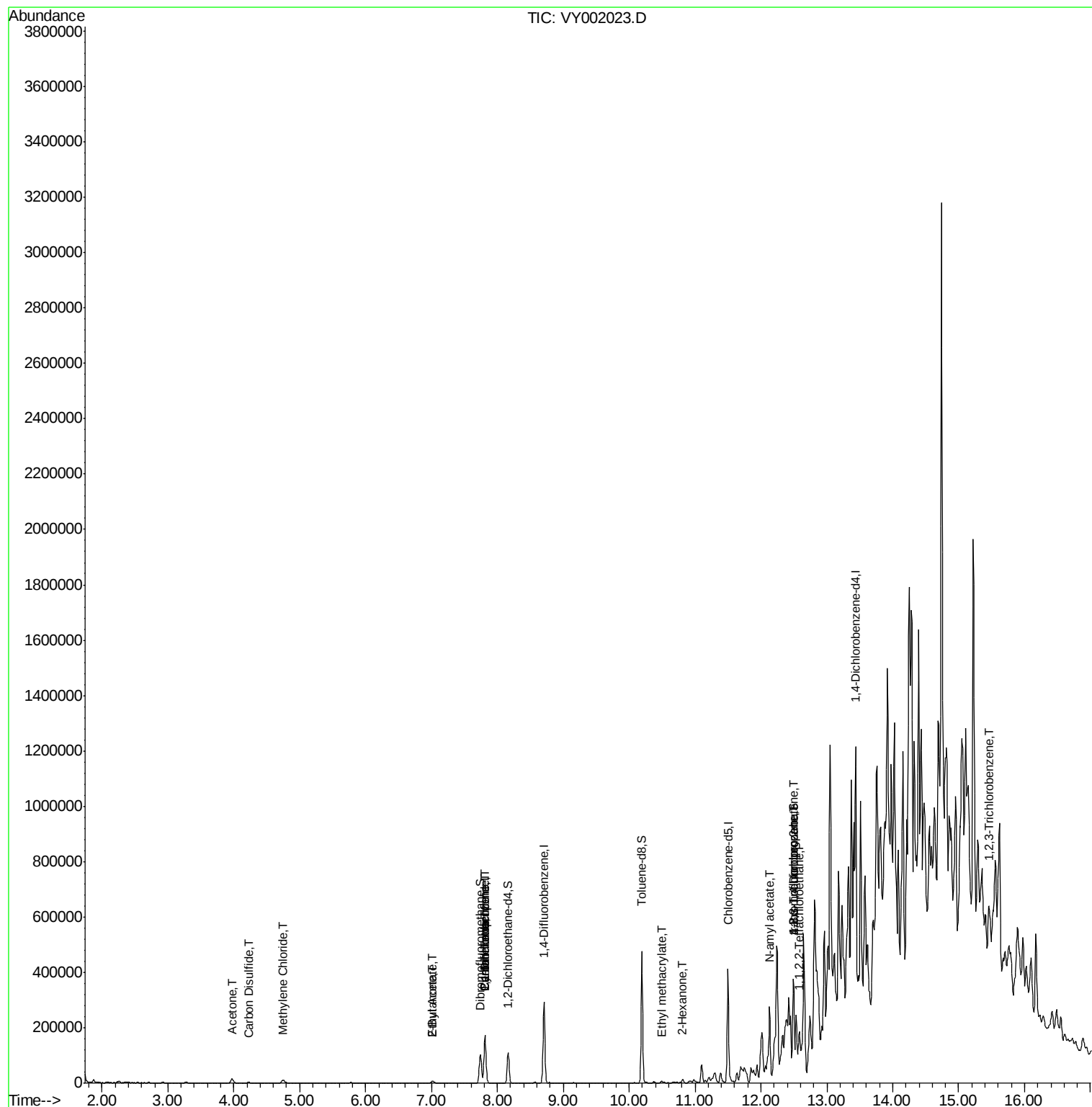
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	129187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	250951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	218781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	76295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	79336	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
35) Dibromofluoromethane	7.74	113	72129	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.19	98	300974	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.49	95	94255	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.66	94	59	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	507	Below Cal	#	74
16) Acetone	3.97	43	26369	65.645	ug/l	95
17) Carbon Disulfide	4.22	76	5411	1.121	ug/l	98
20) Methylene Chloride	4.75	84	7848	4.559	ug/l	95
25) 2-Butanone	7.02	43	10000	16.370	ug/l	94
31) Cyclohexane	7.82	56	3293	1.087	ug/l #	5
36) 1,1-Dichloropropene	7.81	75	10961	4.539	ug/l #	49
37) Ethyl Acetate	7.02	43	10000	7.125	ug/l #	69
38) Carbon Tetrachloride	7.81	117	13179	6.388	ug/l #	16
56) Ethyl methacrylate	10.50	69	2216	1.114	ug/l #	86
59) 2-Hexanone	10.81	43	5898	6.037	ug/l #	23
74) N-amyl acetate	12.13	43	66006	36.875	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.57	83	11701	9.316	ug/l #	81
76) 1,2,3-Trichloropropane	12.49	75	46008	50.821	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	46008	102.656	ug/l #	19
96) 1,2,3-Trichlorobenzene	15.45	180	3655	2.912	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

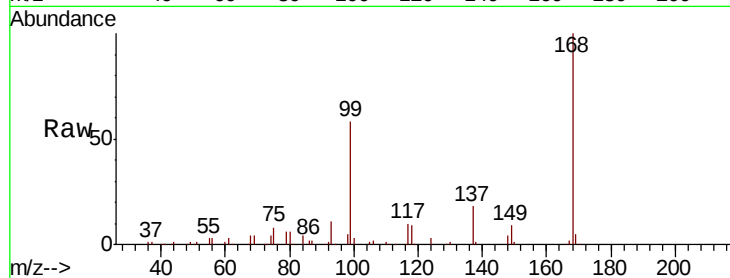
TP-7-(2.5-3.5)

Tot Ion:168 Resp: 129187

Ion Ratio Lower Upper

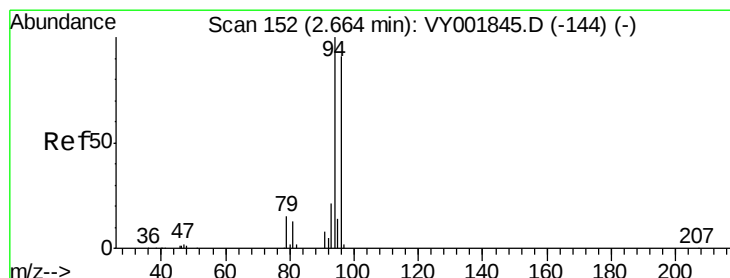
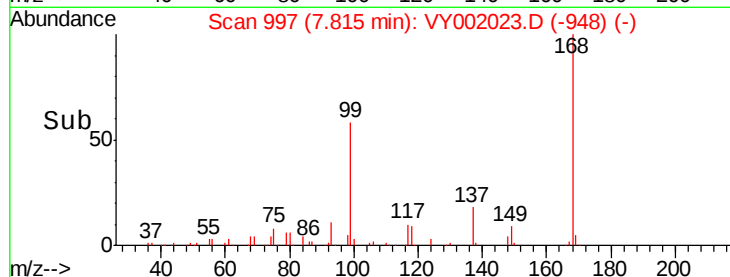
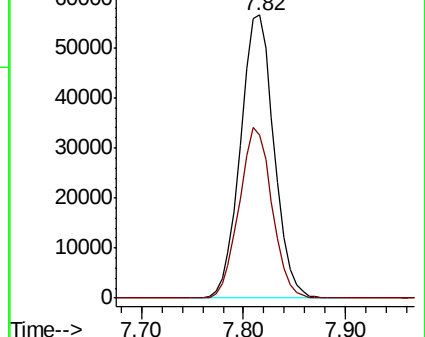
168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002023.D

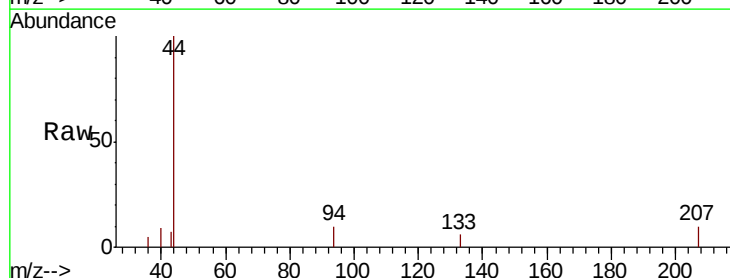
Acq: 19 Mar 2020 15:50

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

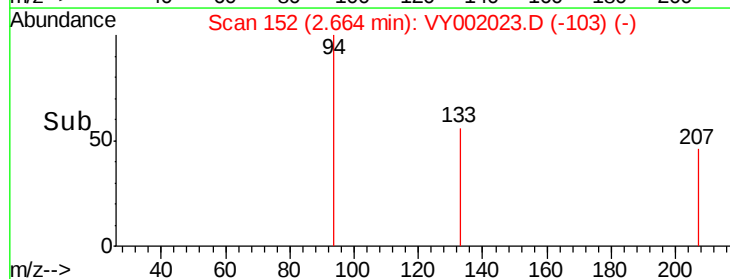
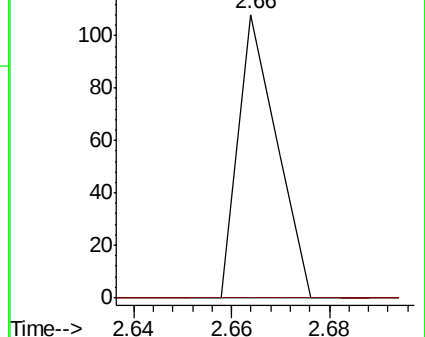
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



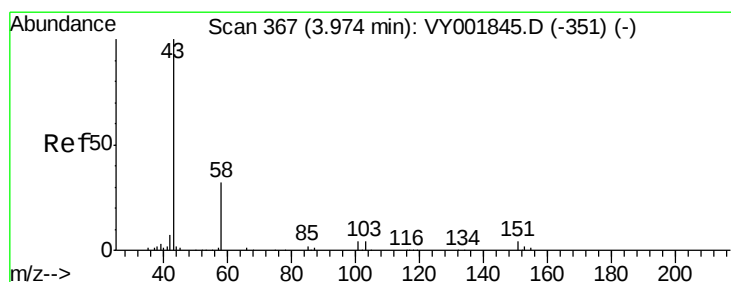
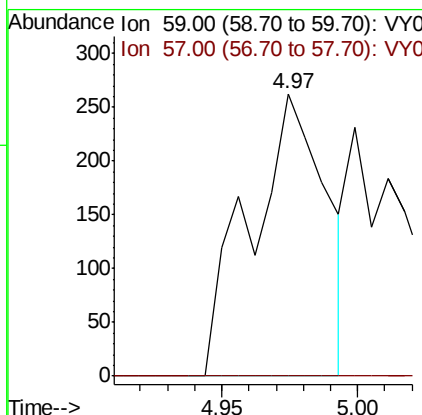
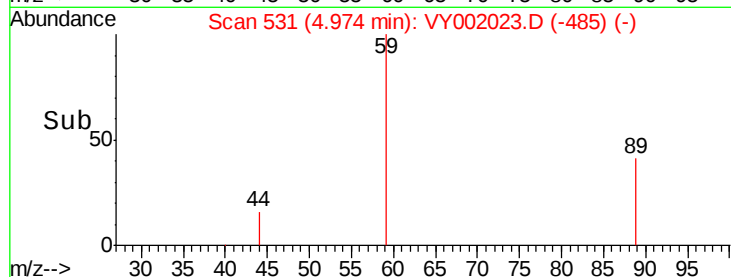
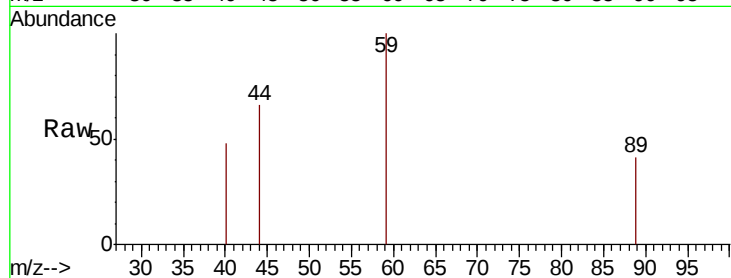


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-(2.5-3.5)

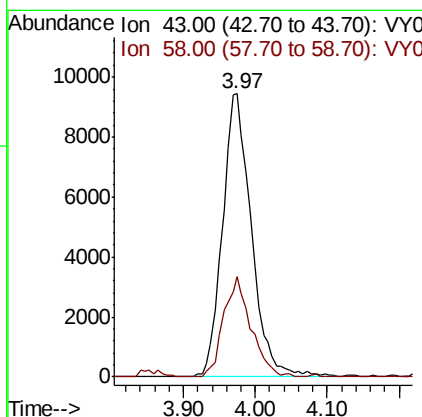
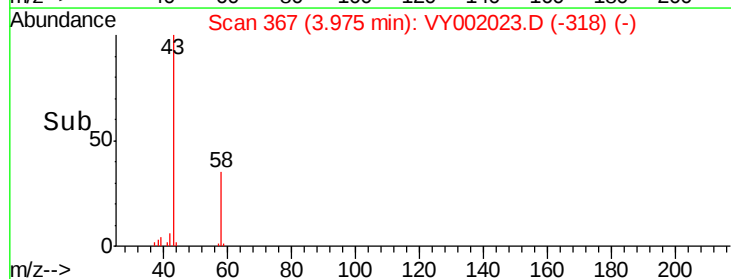
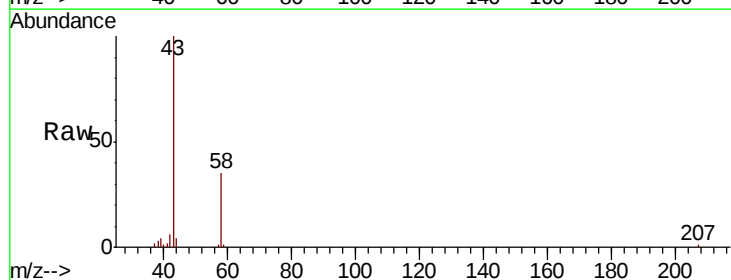
Tot Ion: 59 Resp: 507
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

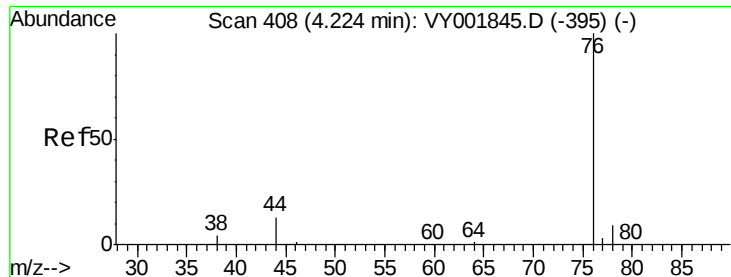


#16

Acetone
 Concen: 65.645 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

Tgt Ion: 43 Resp: 26369
 Ion Ratio Lower Upper
 43 100
 58 35.4 25.9 38.9





#17

Carbon Disulfide

Concen: 1.121 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

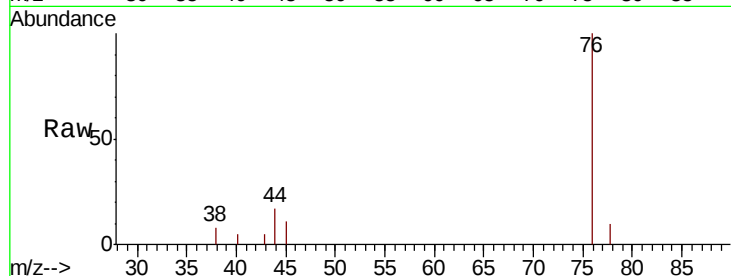
TP-7-(2.5-3.5)

Tot Ion: 76 Resp: 5411

Ion Ratio Lower Upper

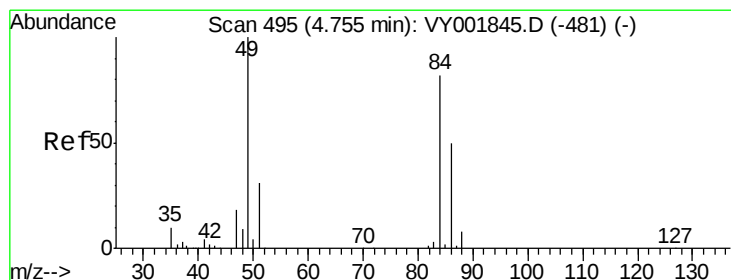
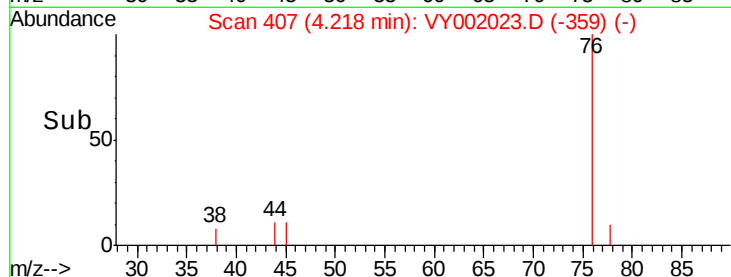
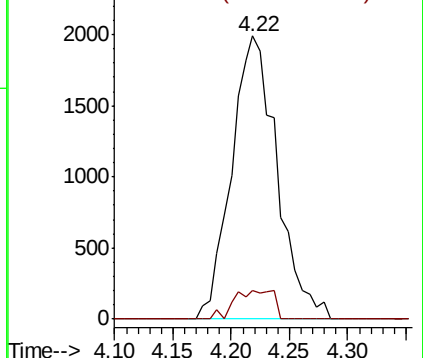
76 100

78 10.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 4.559 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

Tgt Ion: 84 Resp: 7848

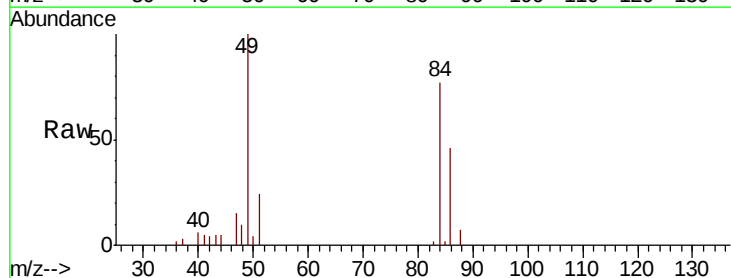
Ion Ratio Lower Upper

84 100

49 129.6 98.2 147.2

51 31.6 30.2 45.2

86 60.1 48.9 73.3

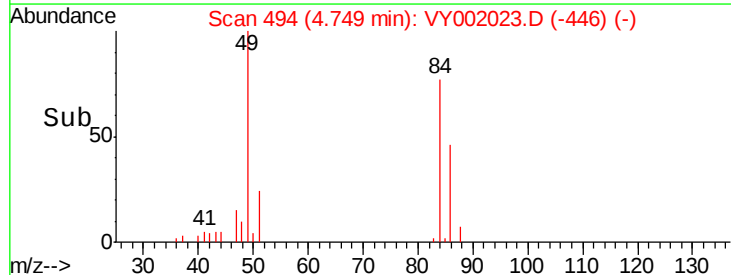
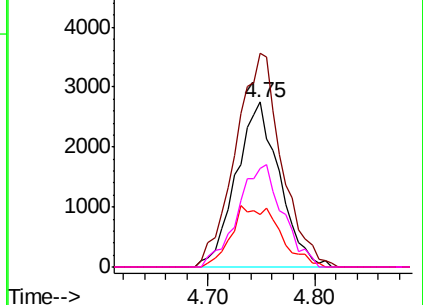


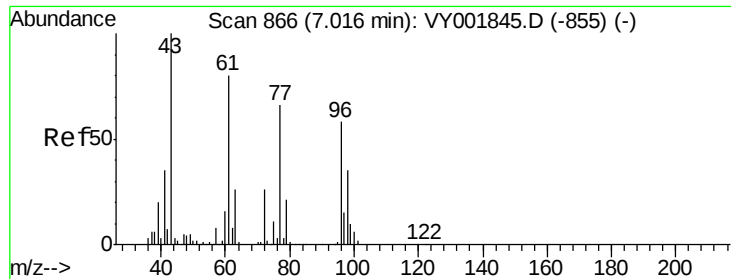
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

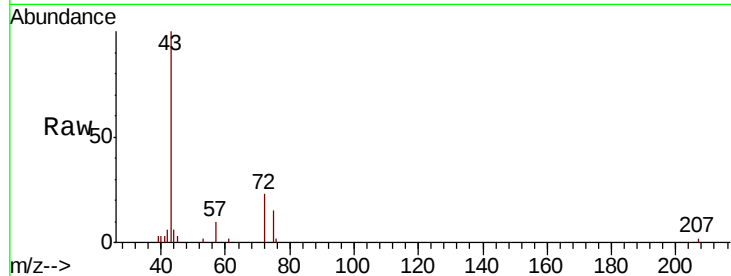




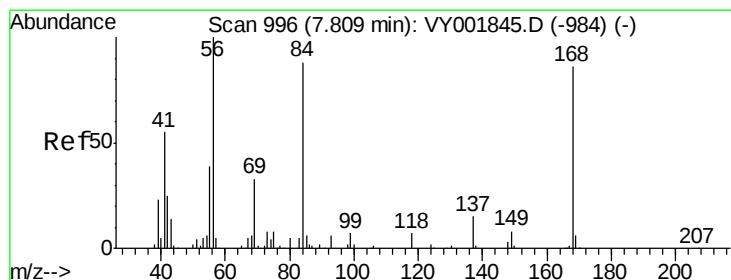
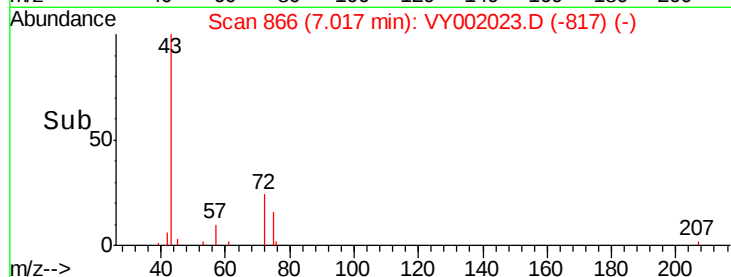
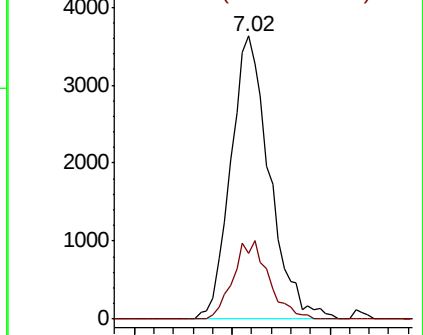
#25
2-Butanone
Concen: 16.370 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-7-(2.5-3.5)

Tot Ion: 43 Resp: 10000
Ion Ratio Lower Upper
43 100
72 23.1 20.9 31.3

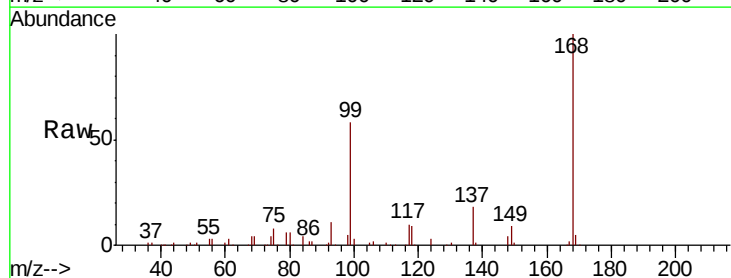


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

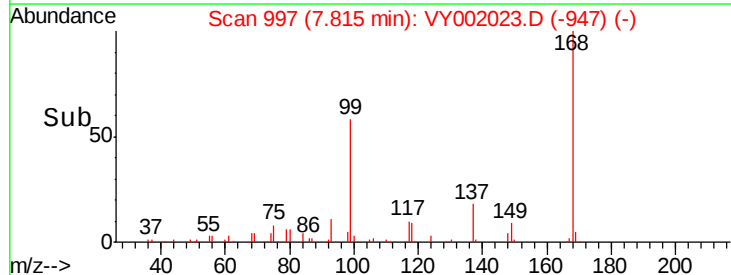
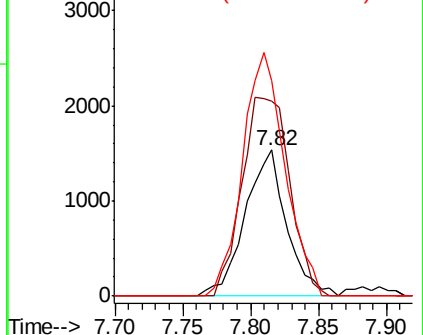


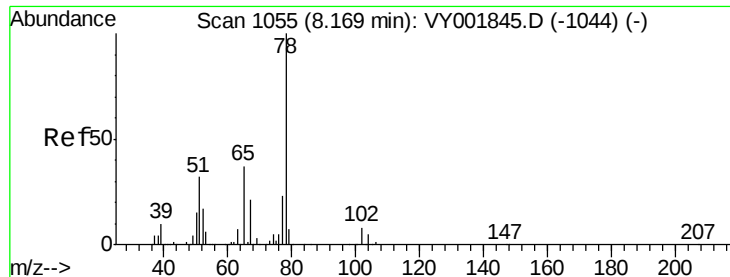
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

Tgt Ion: 56 Resp: 3293
Ion Ratio Lower Upper
56 100
69 133.7 26.7 40.1#
84 147.5 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

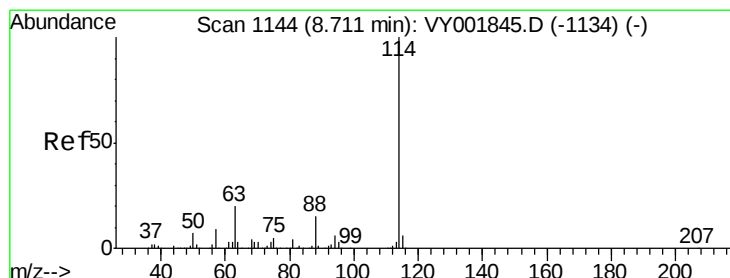
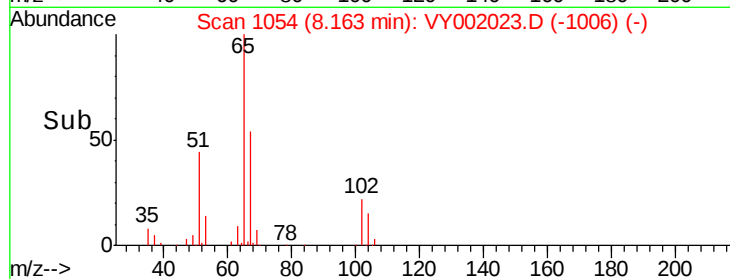
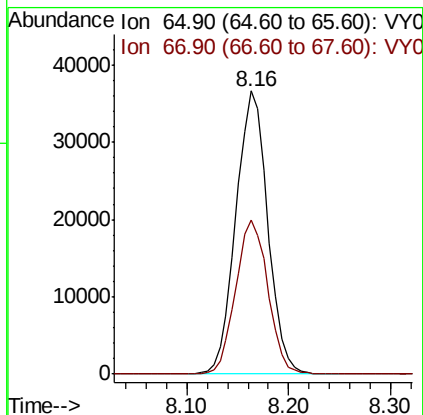
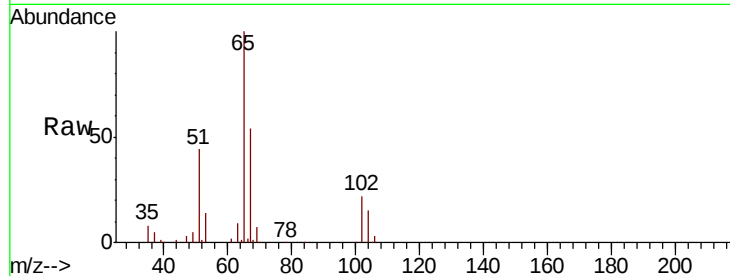




#33
 1,2-Dichloroethane-d4
 Concen: 57.525 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

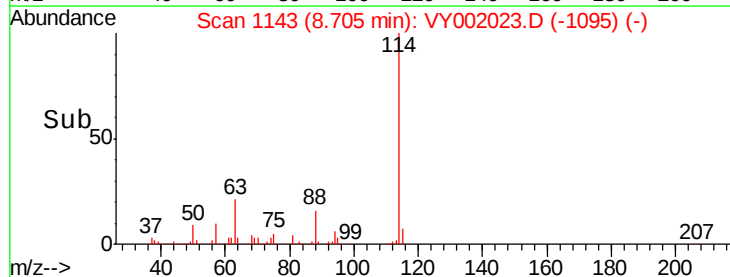
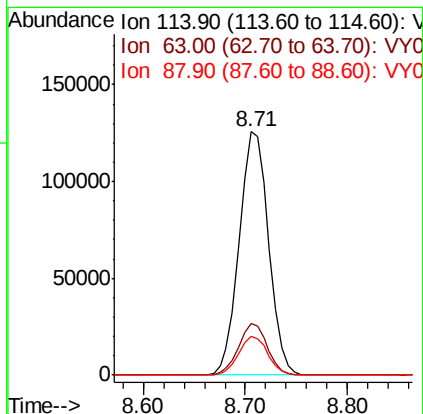
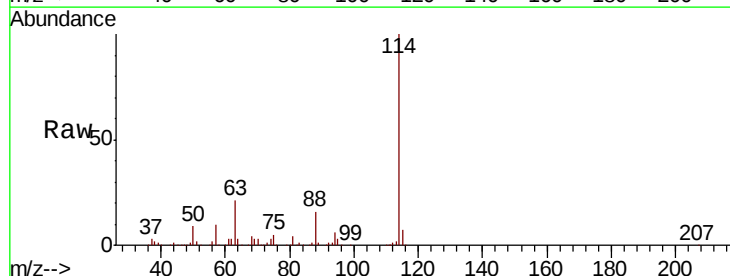
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-(2.5-3.5)

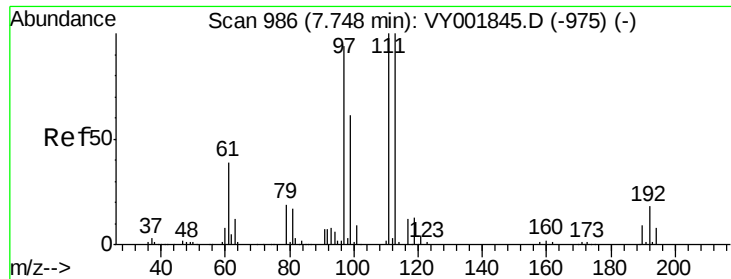
Tot Ion: 65 Resp: 79336
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

Tgt Ion: 114 Resp: 250951
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.4
 88 15.8 0.0 30.4

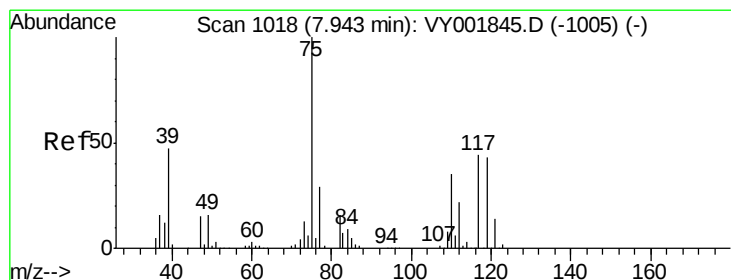
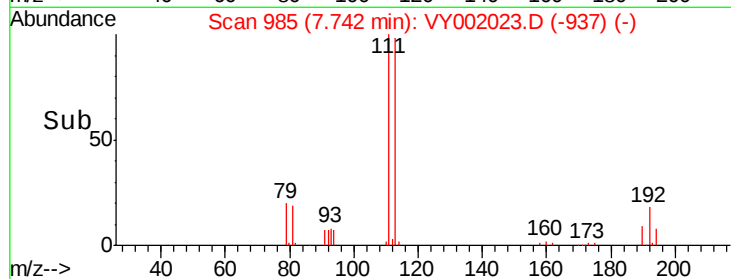
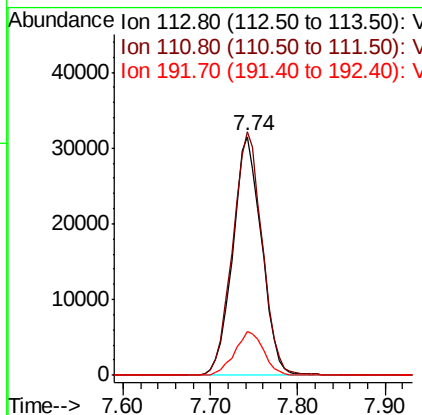
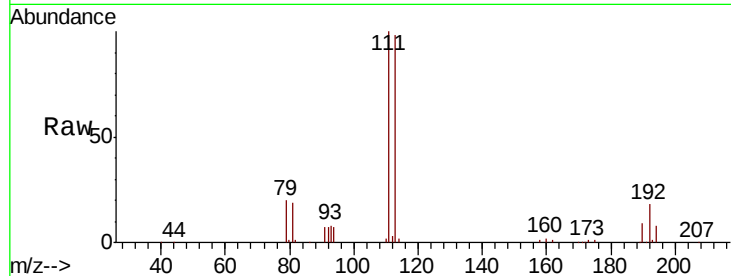




#35
 Dibromofluoromethane
 Concen: 52.637 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

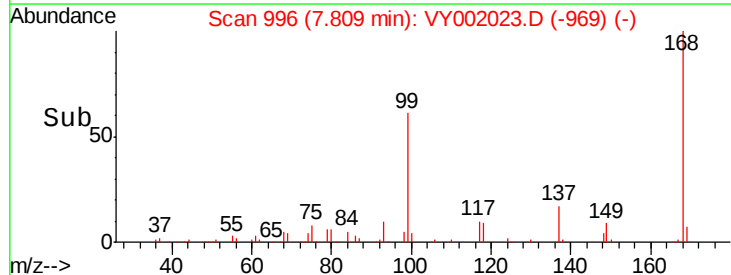
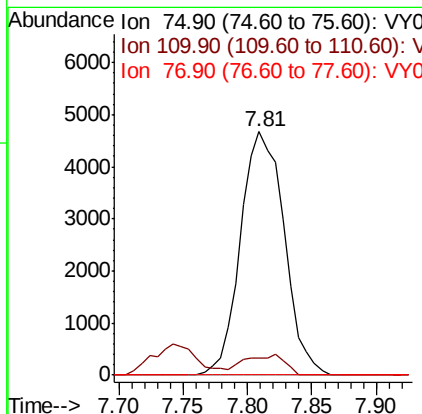
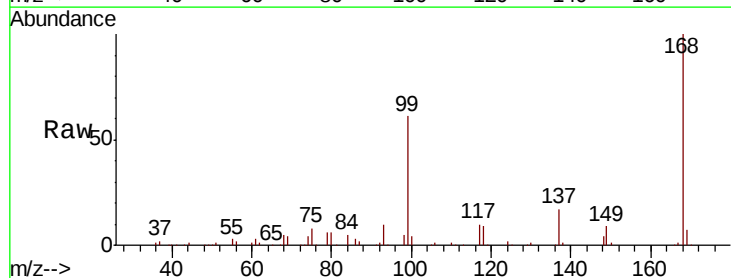
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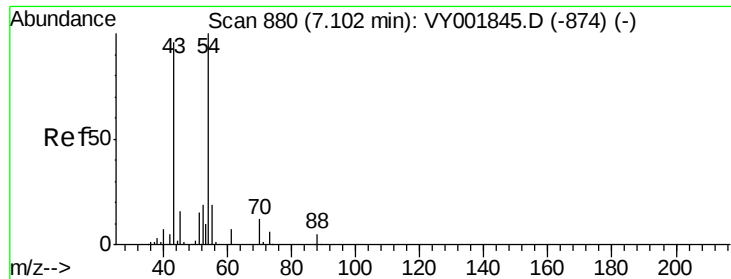
Tot Ion:113 Resp: 72129
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.8 122.8
 192 18.3 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.539 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

Tgt Ion: 75 Resp: 10961
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.4 52.2#
 77 0.0 24.2 36.2#

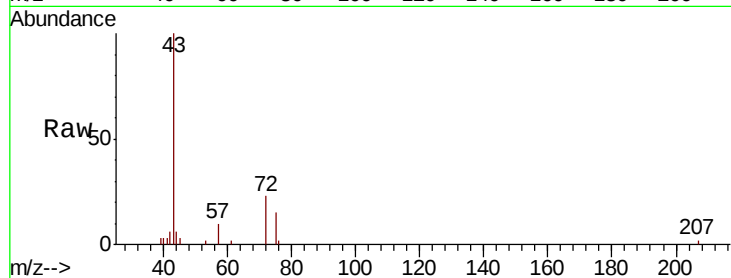




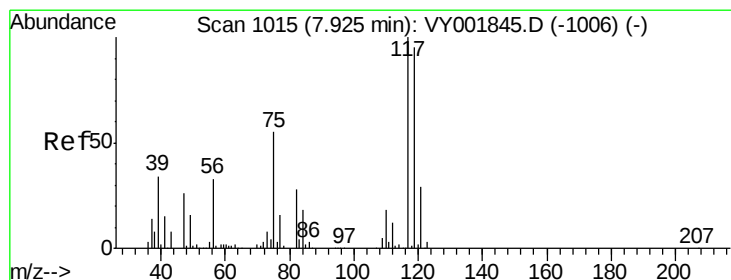
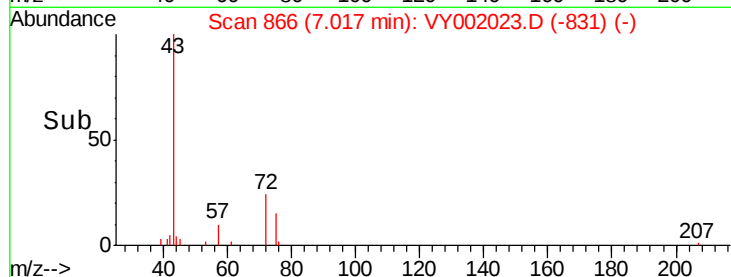
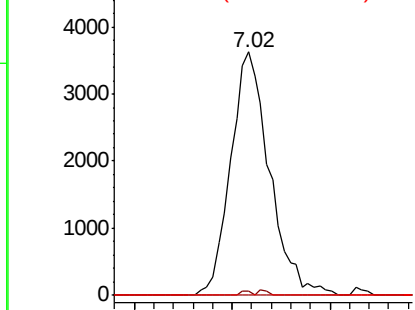
#37
Ethyl Acetate
Concen: 7.125 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.09 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-7-(2.5-3.5)

Tot Ion: 43 Resp: 10000
Ion Ratio Lower Upper
43 100
61 0.4 11.1 16.7#
70 0.0 8.2 12.4#

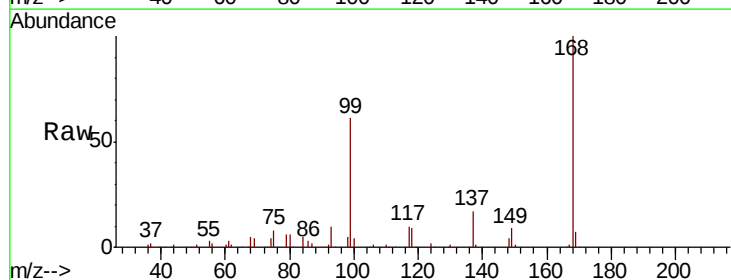


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

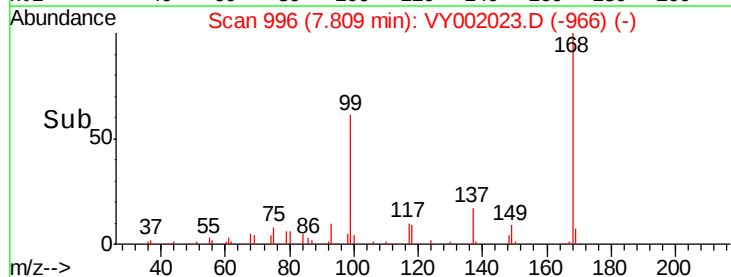
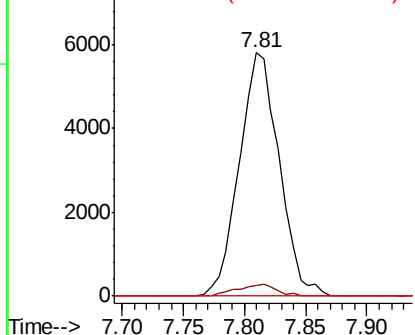


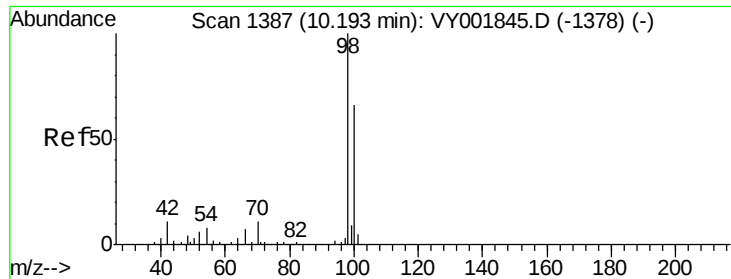
#38
Carbon Tetrachloride
Concen: 6.388 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

Tgt Ion: 117 Resp: 13179
Ion Ratio Lower Upper
117 100
119 4.4 76.3 114.5#
121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.087 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

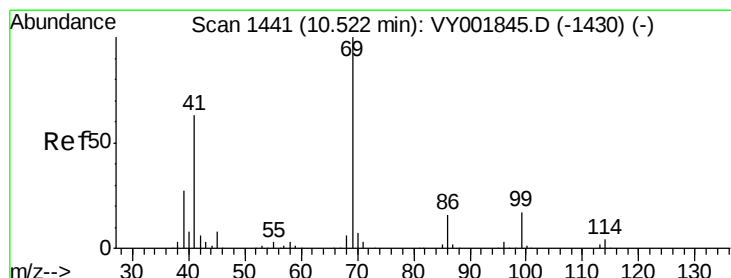
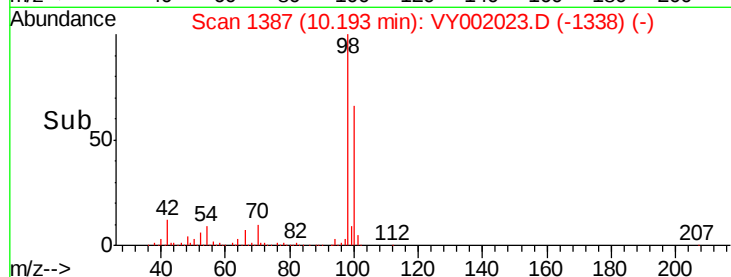
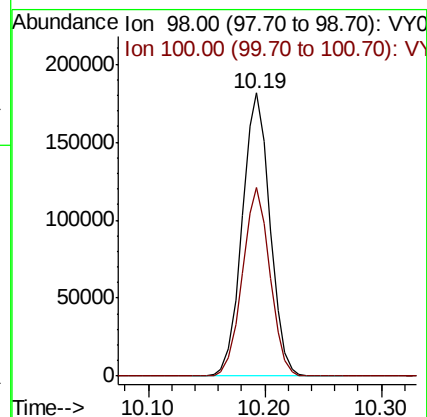
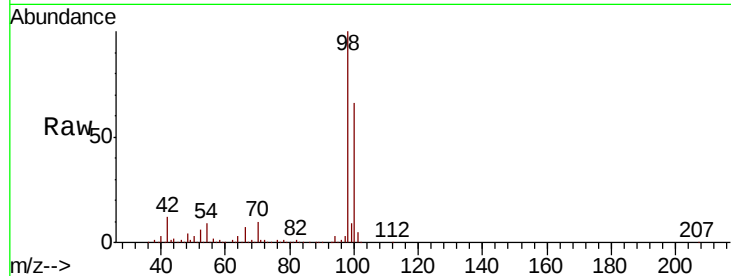
TP-7-(2.5-3.5)

Tot Ion: 98 Resp: 300974

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



#56

Ethyl methacrylate

Concen: 1.114 ug/l

RT: 10.50 min Scan# 1437

Delta R.T. -0.02 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

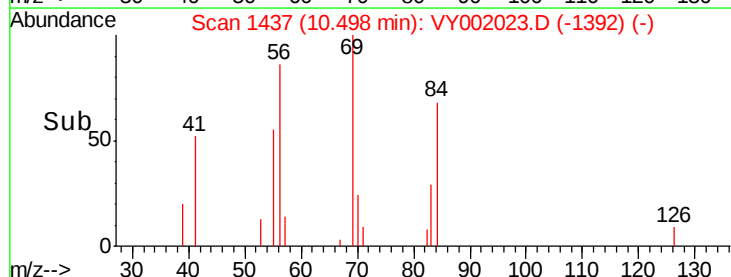
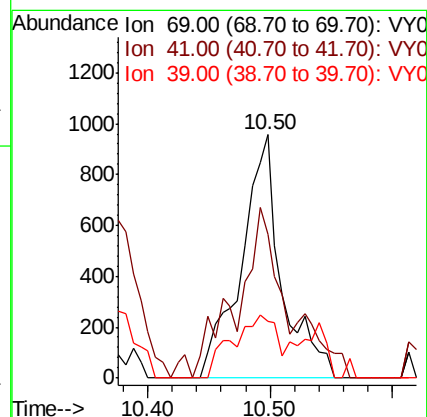
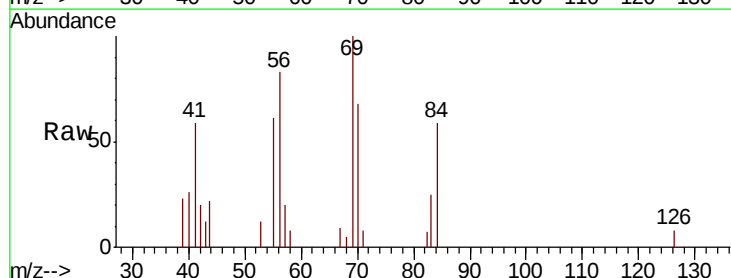
Tgt Ion: 69 Resp: 2216

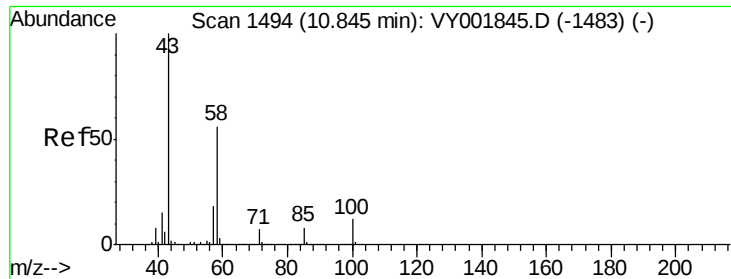
Ion Ratio Lower Upper

69 100

41 75.6 49.9 74.9#

39 32.6 23.0 34.6

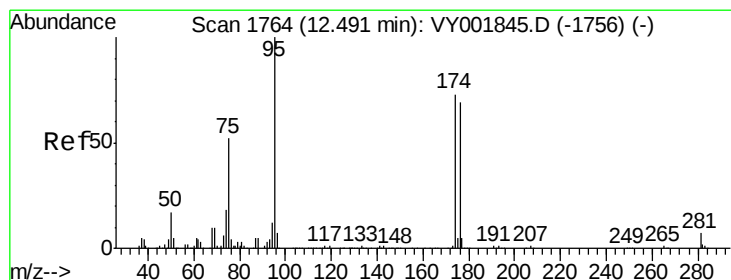
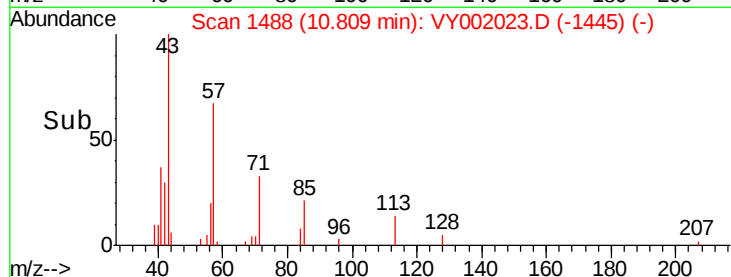
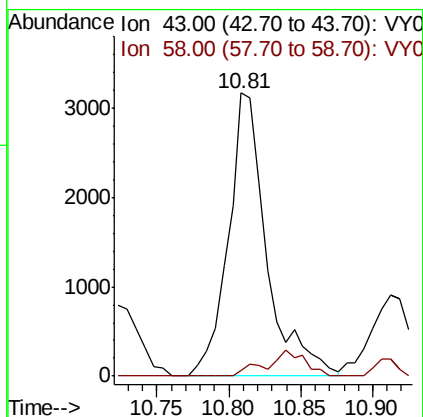
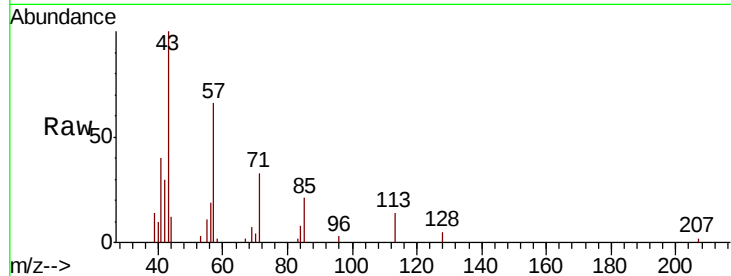




#59
2-Hexanone
Concen: 6.037 ug/l
RT: 10.81 min Scan# 1488
Delta R.T. -0.04 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

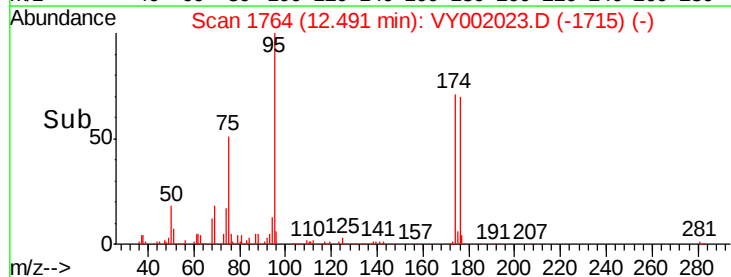
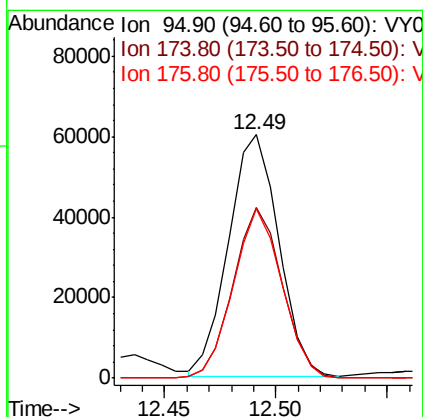
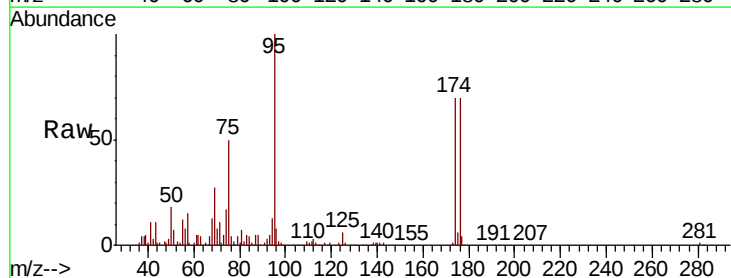
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-(2.5-3.5)

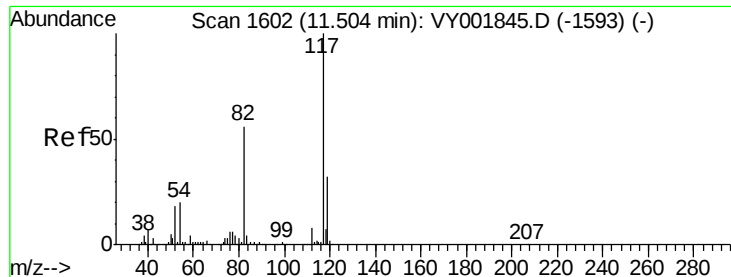
Tot Ion: 43 Resp: 5898
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 46.912 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

Tgt Ion: 95 Resp: 94255
Ion Ratio Lower Upper
95 100
174 69.5 0.0 145.0
176 67.9 0.0 137.4

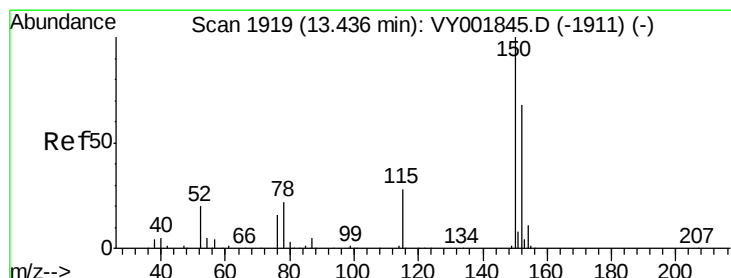
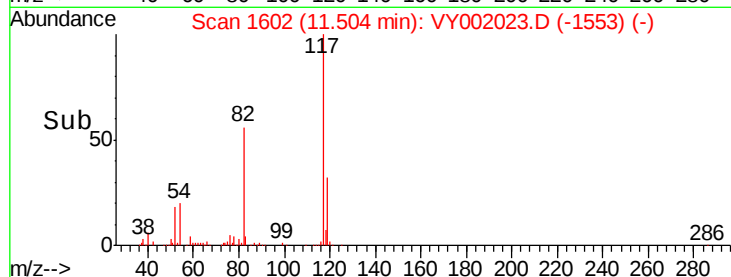
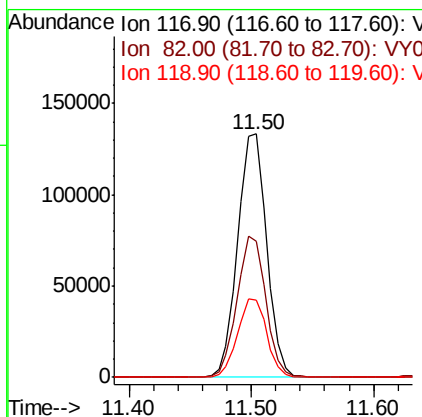
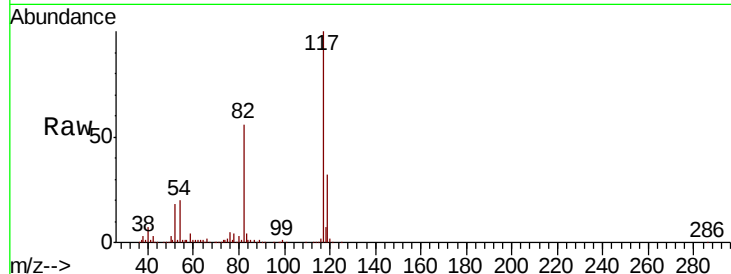




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

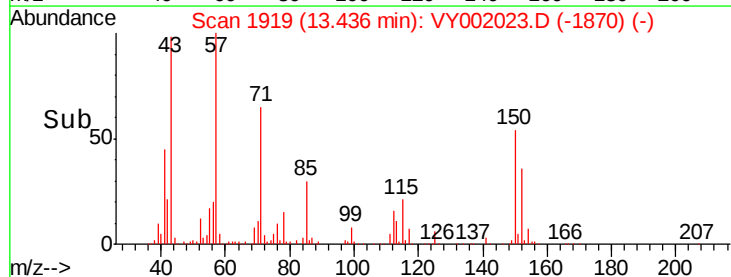
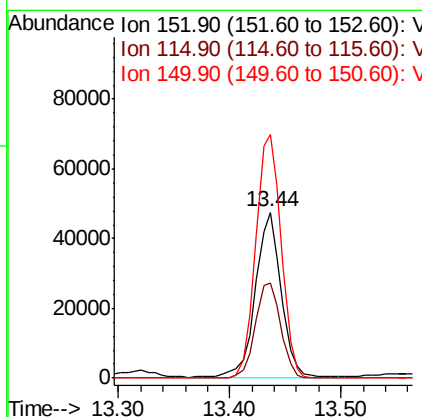
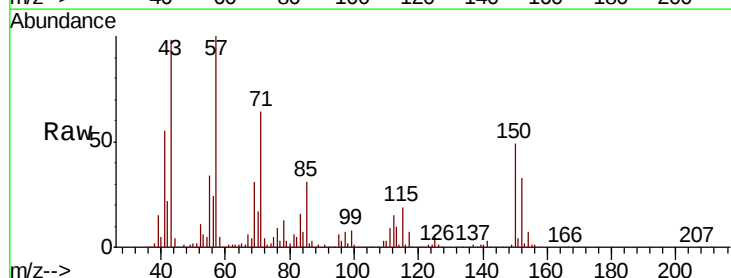
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-(2.5-3.5)

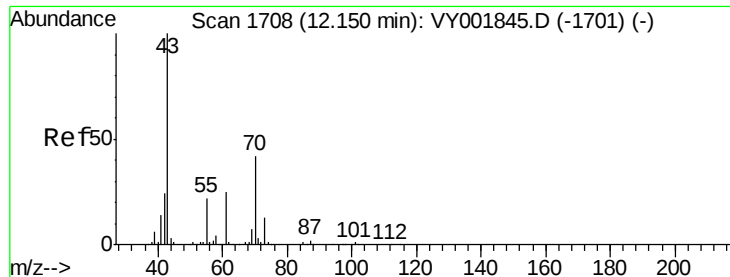
Tot Ion:117 Resp: 218781
Ion Ratio Lower Upper
117 100
82 55.7 44.5 66.7
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002023.D
Acq: 19 Mar 2020 15:50

Tgt Ion:152 Resp: 76295
Ion Ratio Lower Upper
152 100
115 57.5 29.9 89.7
150 144.9 0.0 340.6





#74

N-amvl acetate

Concen: 36.875 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.02 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

TP-7-(2.5-3.5)

Tot Ion: 43 Resp: 66006

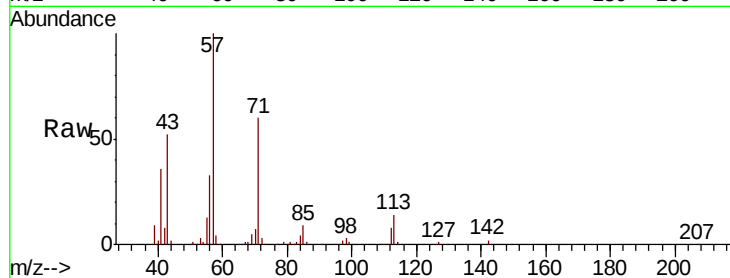
Ion Ratio Lower Upper

43 100

70 0.0 34.7 52.1#

55 9.5 18.2 27.4#

61 0.0 20.1 30.1#

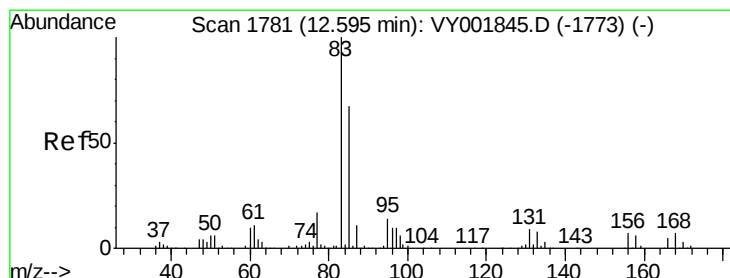
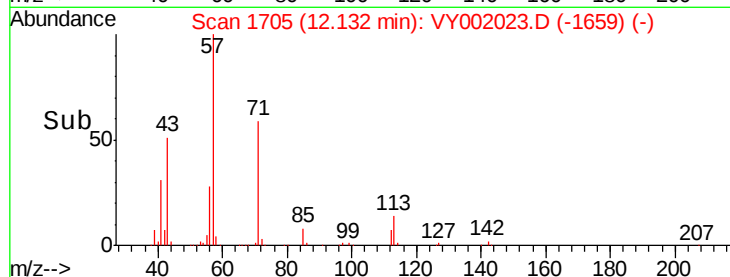
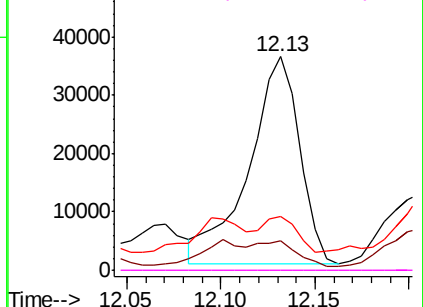


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#75

1,1,2,2-Tetrachloroethane

Concen: 9.316 ug/l

RT: 12.57 min Scan# 1777

Delta R.T. -0.02 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

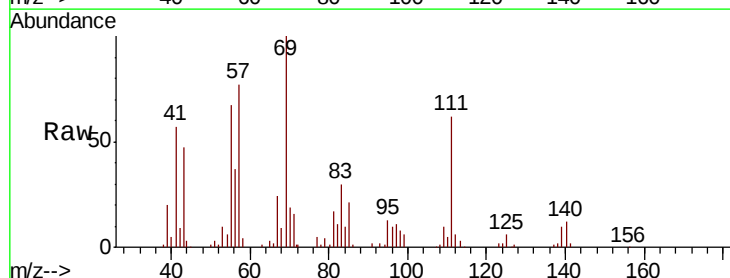
Tgt Ion: 83 Resp: 11701

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

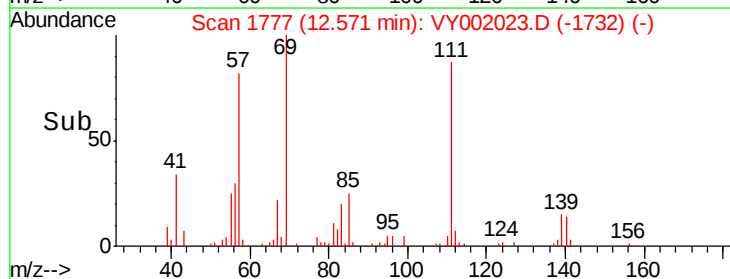
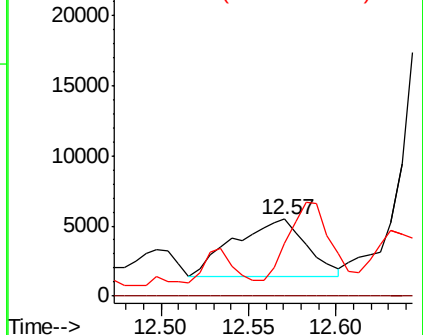
85 78.0 32.1 96.3

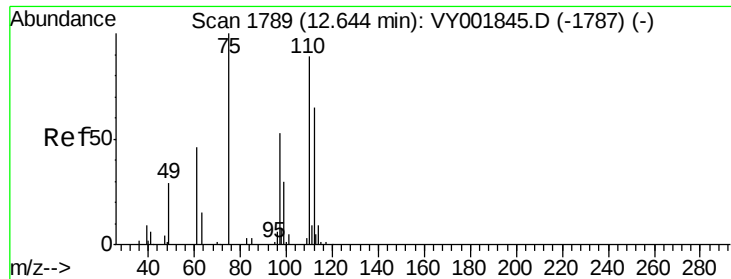


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0

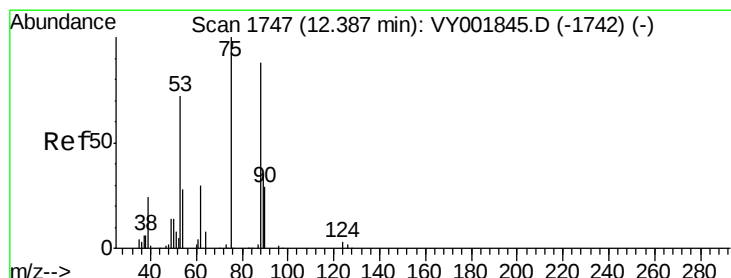
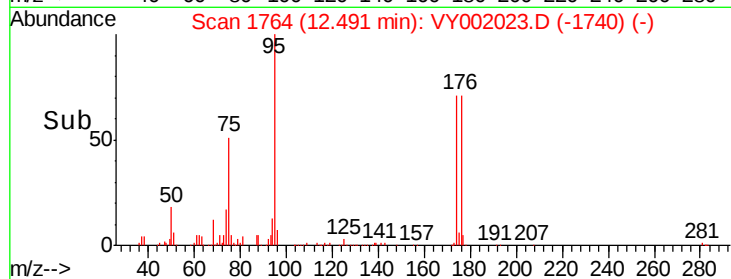
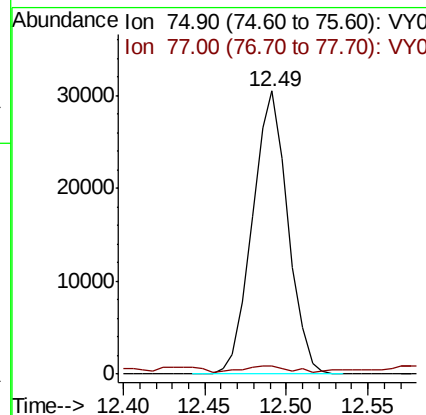
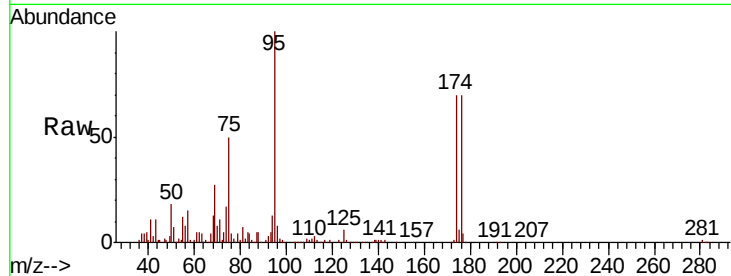




#76
 1,2,3-Trichloropropane
 Concen: 50.821 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

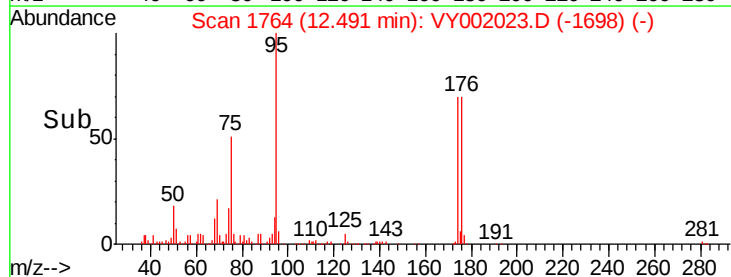
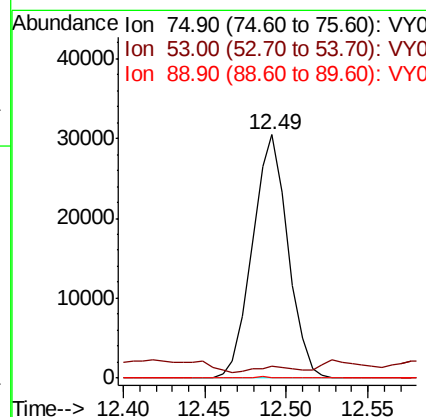
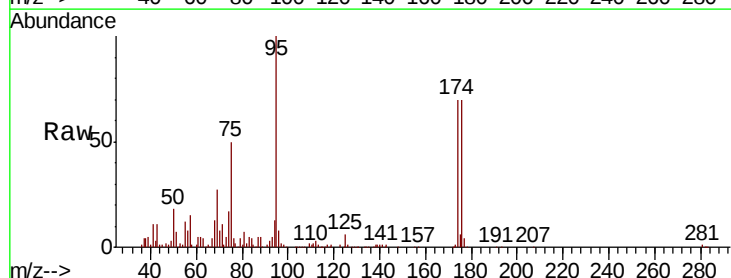
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-(2.5-3.5)

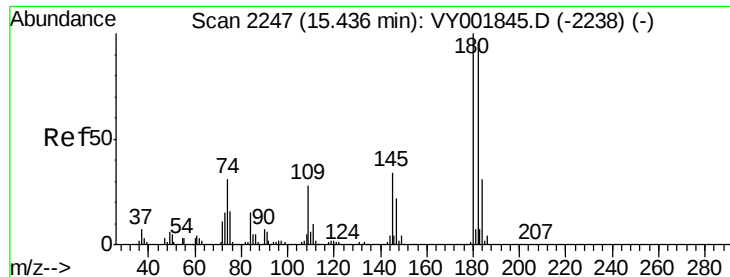
Tot Ion: 75 Resp: 46008
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.656 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY002023.D
 Acq: 19 Mar 2020 15:50

Tgt Ion: 75 Resp: 46008
 Ion Ratio Lower Upper
 75 100
 53 2.9 65.4 98.0#
 89 0.3 36.0 54.0#





#96

1,2,3-Trichlorobenzene

Concen: 2.912 ug/l

RT: 15.45 min Scan# 2250

Delta R.T. 0.02 min

Lab File: VY002023.D

Acq: 19 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-7-(2.5-3.5)

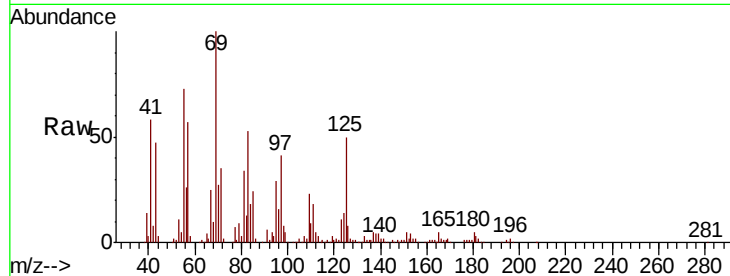
Tot Ion:180 Resp: 3655

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 0.0 16.8 50.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

