

Data File : VY001939.D
Acq On : 11 Mar 2020 13:42
Operator : SY/MD
Sample : L1871-13RE
Misc : 7.90G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-18-(6.7-7)

Quant Time: Mar 12 01:55:44 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	7.81	168	137689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	267428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	243045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	104419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85843	58.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.80%	
35) Dibromofluoromethane	7.74	113	78102	53.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.96%	
50) Toluene-d8	10.19	98	321495	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.49	95	105978	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

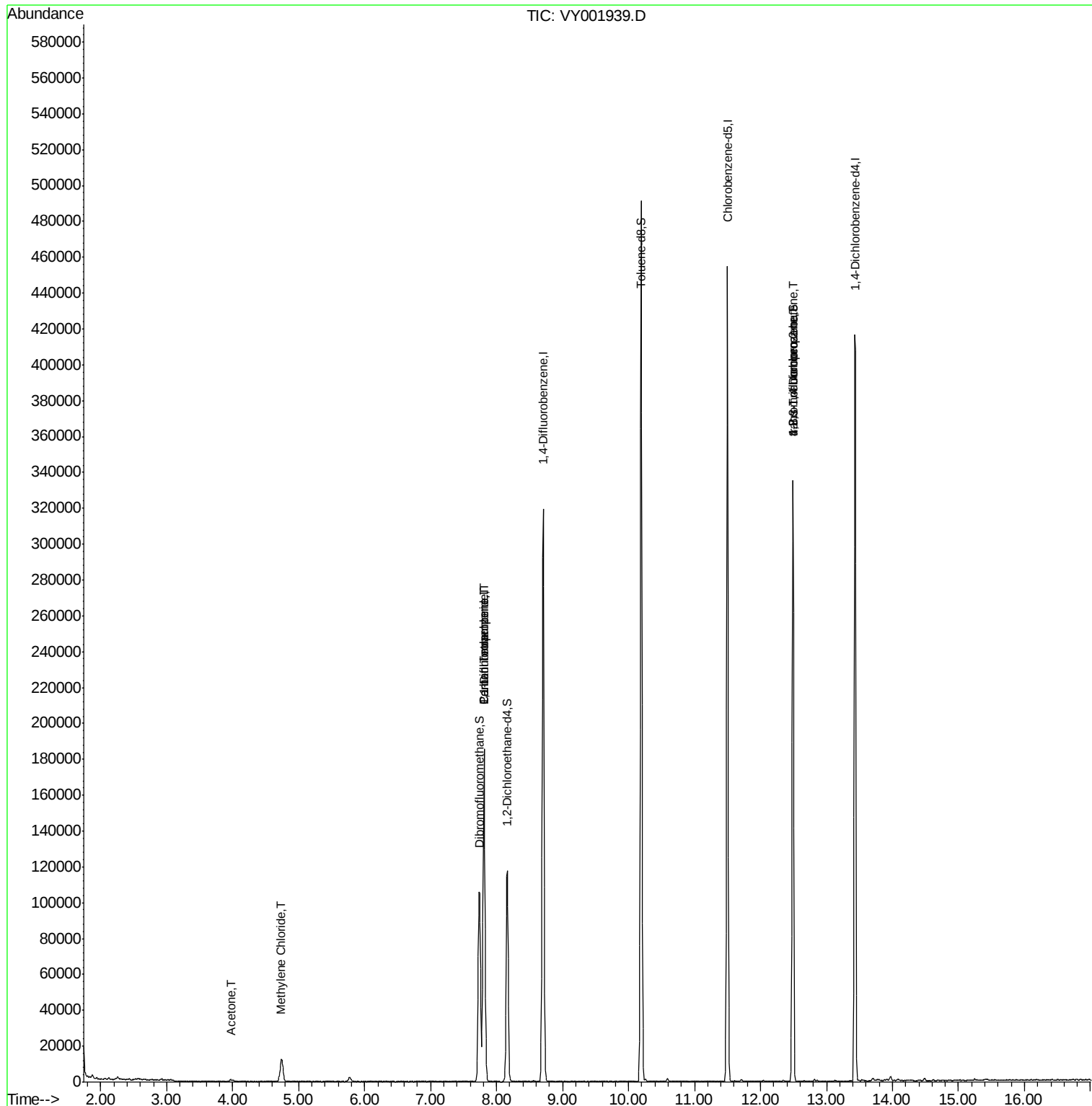
					Qvalue	
5) Bromomethane	2.68	94	113	Below Cal	#	4
16) Acetone	3.97	43	1387	3.240	ug/l #	74
20) Methylene Chloride	4.74	84	9519	5.188	ug/l	97
36) 1,1-Dichloropropene	7.81	75	11604	4.509	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14055	6.393	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	55721	44.973	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	55721	90.842	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001939.D

Acq: 11 Mar 2020 13:42

Instrument :

MSVOA_Y

ClientSampleId :

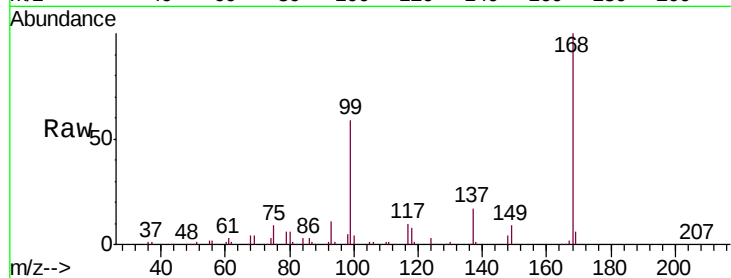
TP-18-(6.7-7)

Tgt Ion:168 Resp: 137689

Ion Ratio Lower Upper

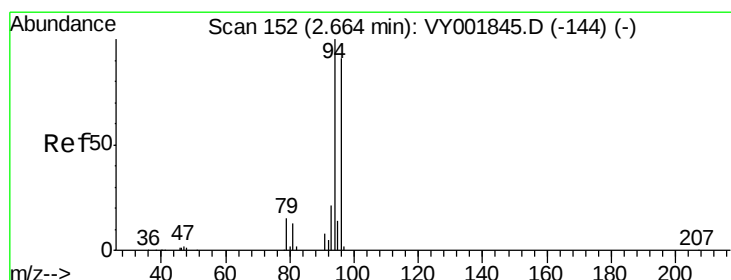
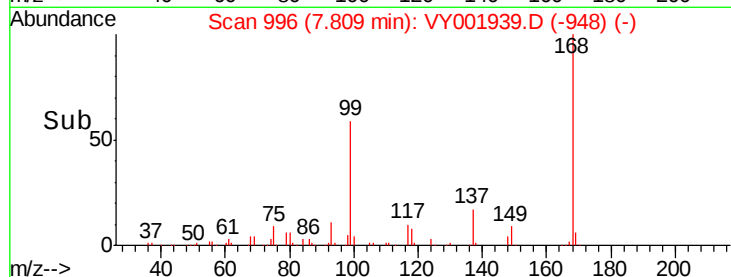
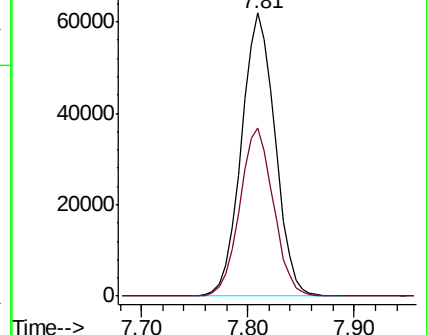
168 100

99 59.3 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: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001939.D

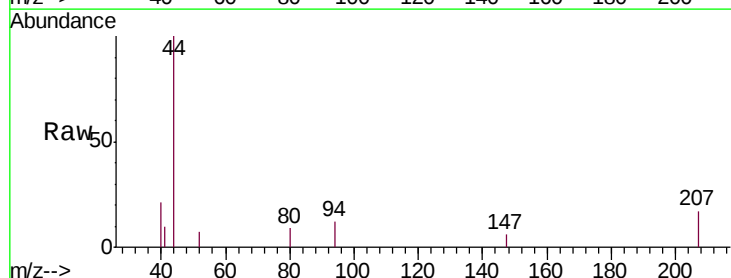
Acq: 11 Mar 2020 13:42

Tgt Ion: 94 Resp: 113

Ion Ratio Lower Upper

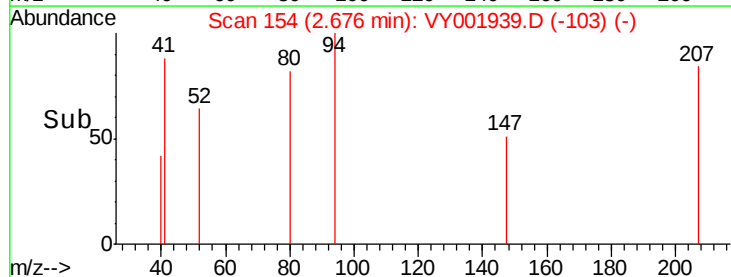
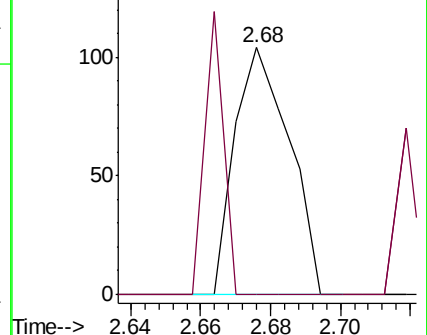
94 100

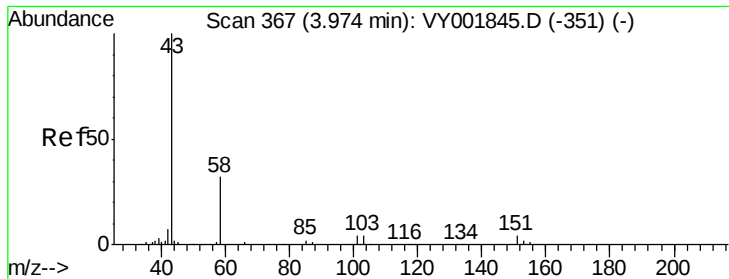
96 0.0 73.2 109.8#



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

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





#16

Acetone

Concen: 3.240 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001939.D

Acq: 11 Mar 2020 13:42

Instrument :

MSVOA_Y

ClientSampleId :

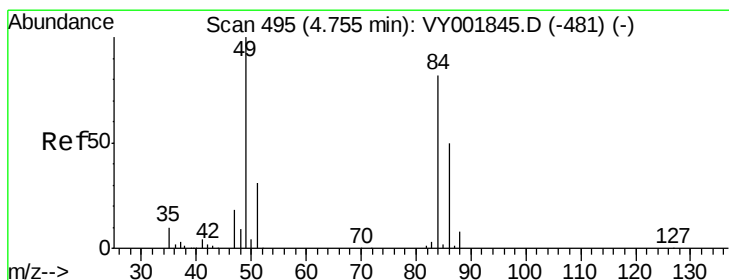
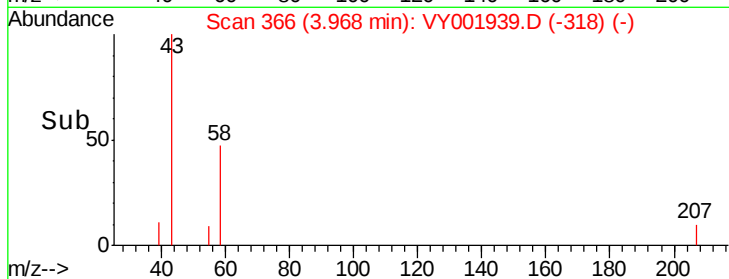
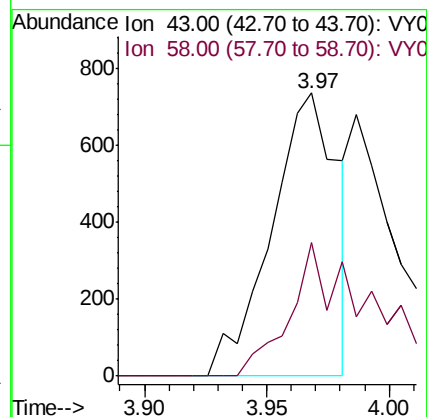
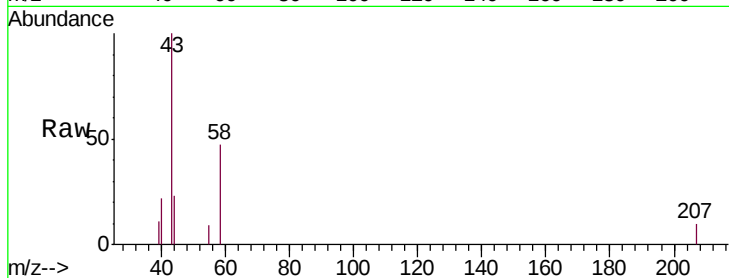
TP-18-(6.7-7)

Tgt Ion: 43 Resp: 1387

Ion Ratio Lower Upper

43 100

58 47.1 25.9 38.9#



#20

Methylene Chloride

Concen: 5.188 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY001939.D

Acq: 11 Mar 2020 13:42

Tgt Ion: 84 Resp: 9519

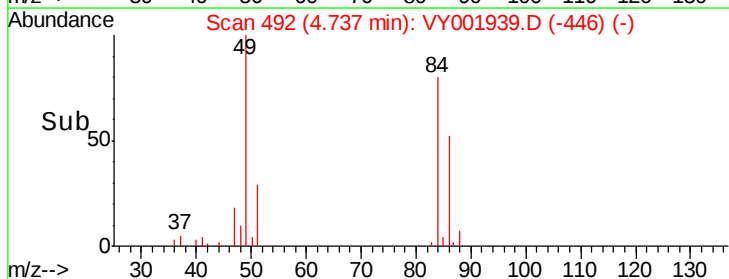
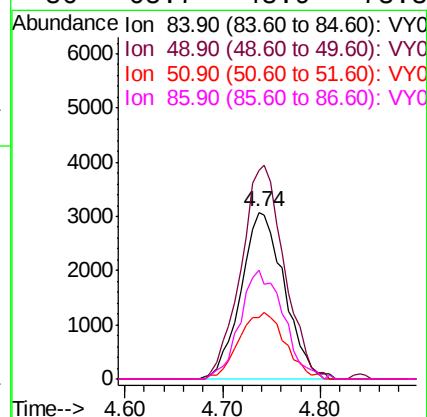
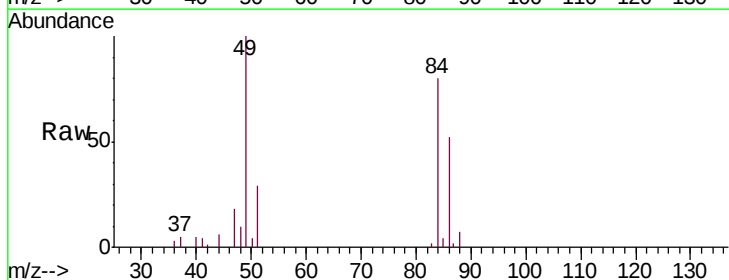
Ion Ratio Lower Upper

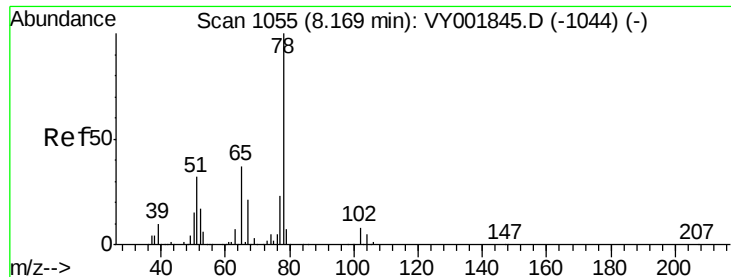
84 100

49 125.1 98.2 147.2

51 36.8 30.2 45.2

86 65.7 48.9 73.3

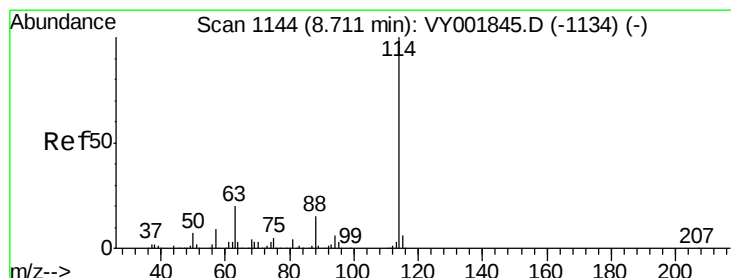
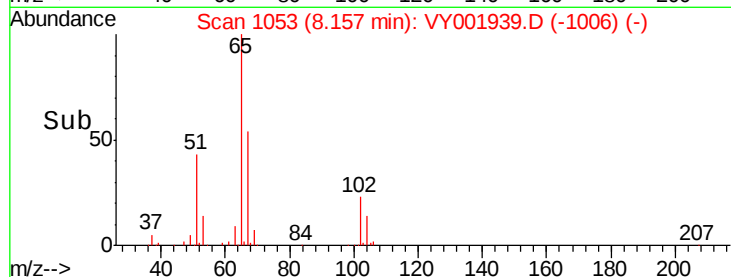
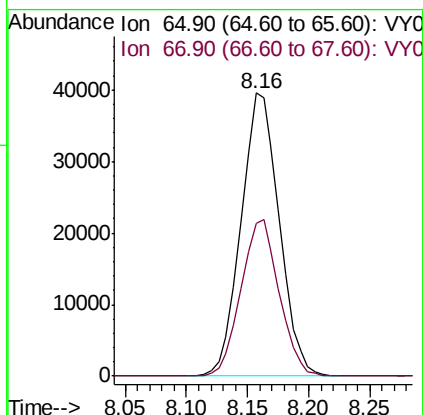
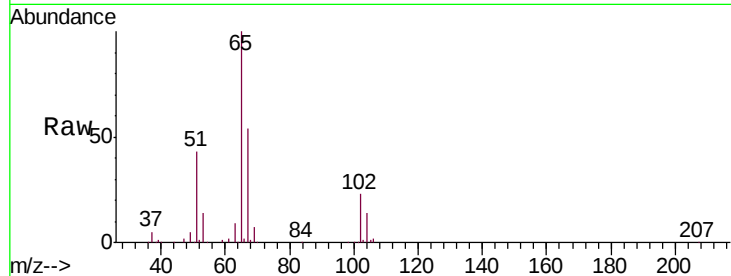




#33
 1,2-Dichloroethane-d4
 Concen: 58.400 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001939.D
 Acq: 11 Mar 2020 13:42

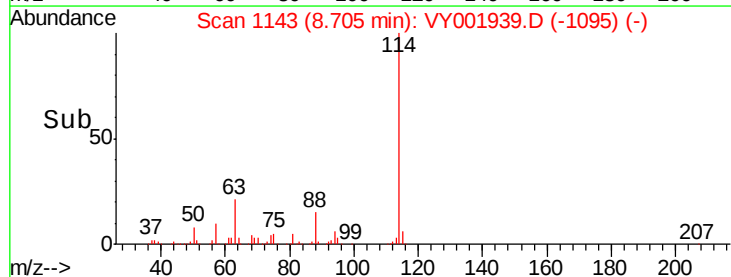
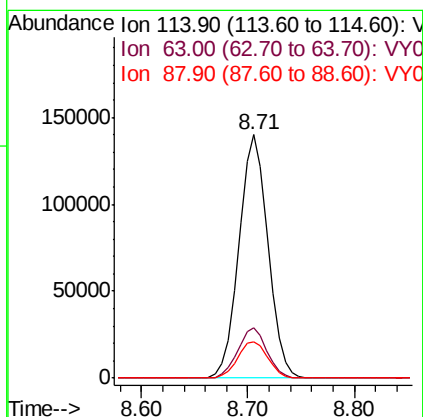
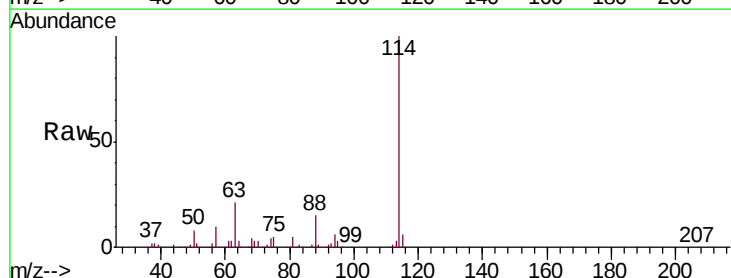
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18-(6.7-7)

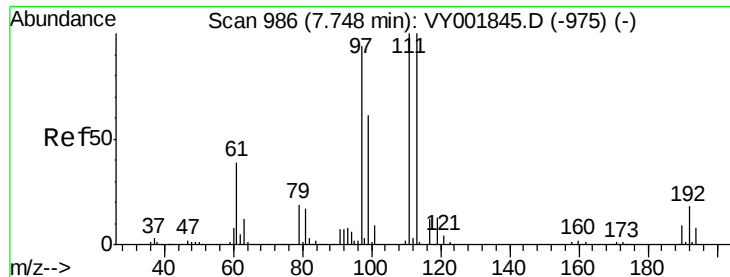
Tgt Ion: 65 Resp: 85843
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001939.D
 Acq: 11 Mar 2020 13:42

Tgt Ion: 114 Resp: 267428
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.4
 88 14.8 0.0 30.4

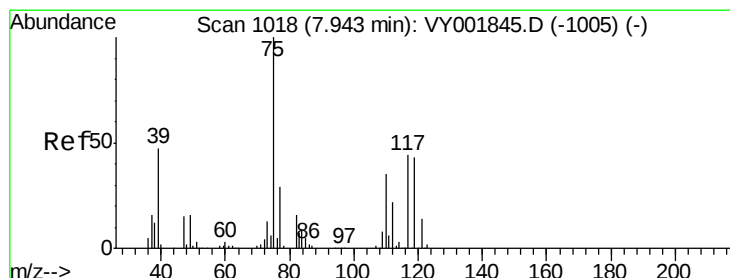
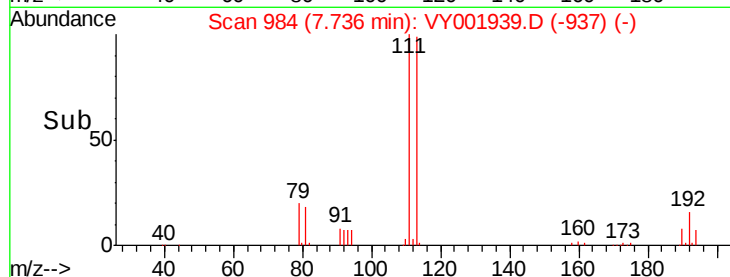
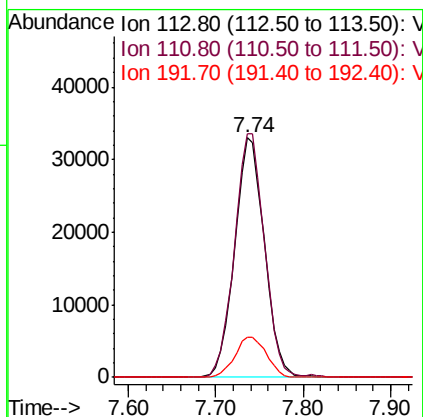
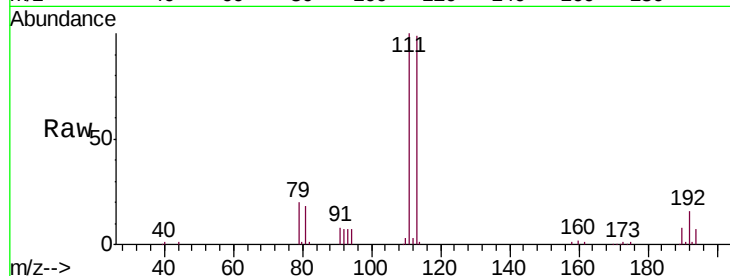




#35
 Dibromofluoromethane
 Concen: 53.484 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001939.D
 Acq: 11 Mar 2020 13:42

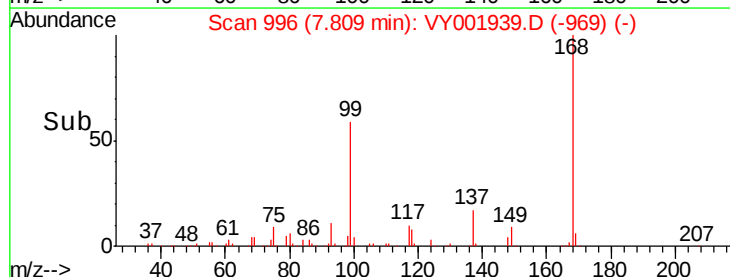
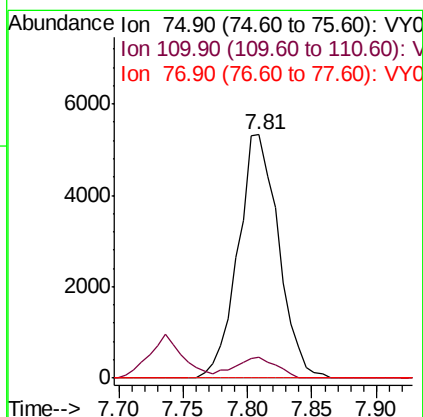
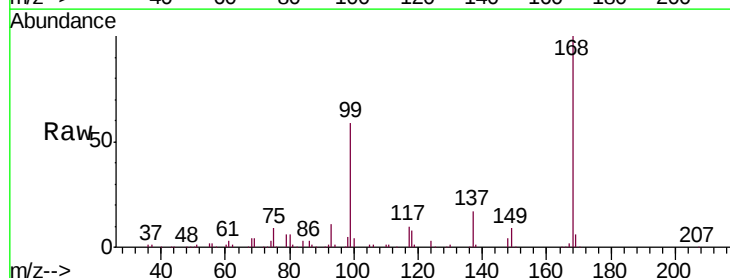
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18-(6.7-7)

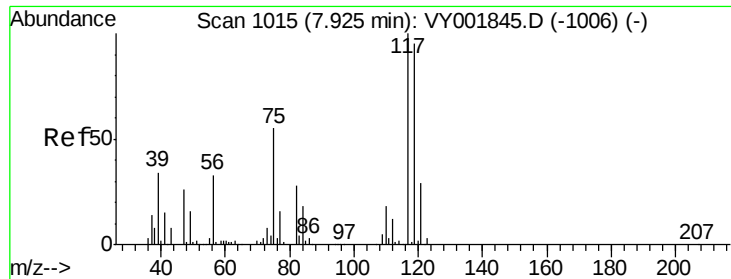
Tgt Ion: 113 Resp: 78102
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.509 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001939.D
 Acq: 11 Mar 2020 13:42

Tgt Ion: 75 Resp: 11604
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.393 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001939.D

Acq: 11 Mar 2020 13:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-(6.7-7)

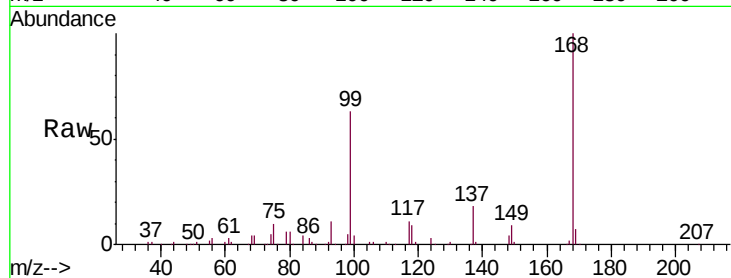
Tgt Ion:117 Resp: 14055

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

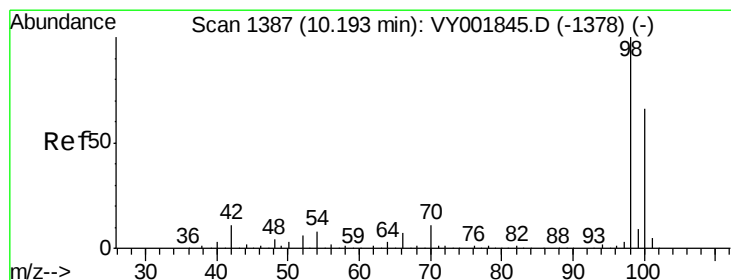
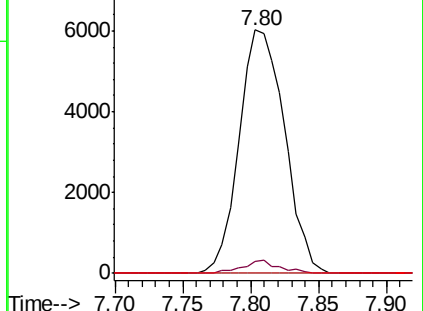
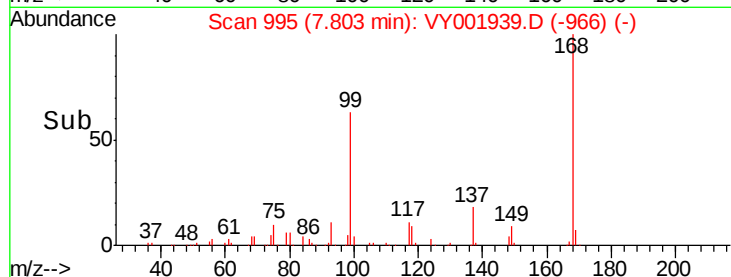
121 0.0 23.5 35.3#



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: 52.210 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001939.D

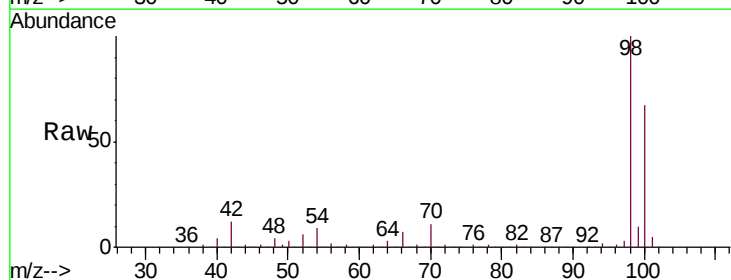
Acq: 11 Mar 2020 13:42

Tgt Ion: 98 Resp: 321495

Ion Ratio Lower Upper

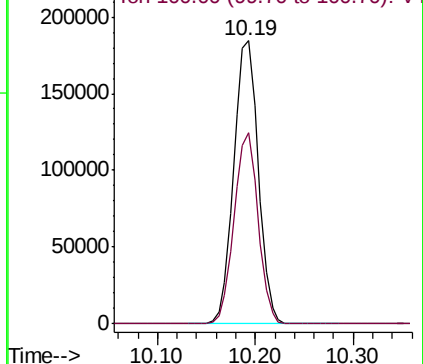
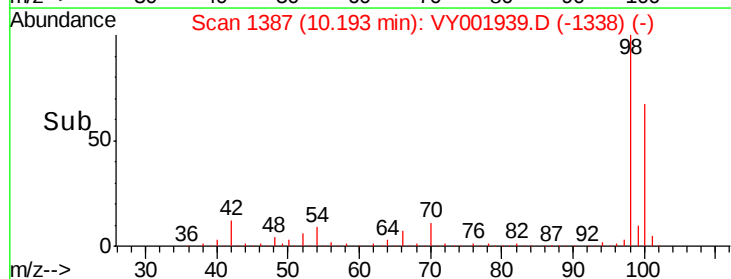
98 100

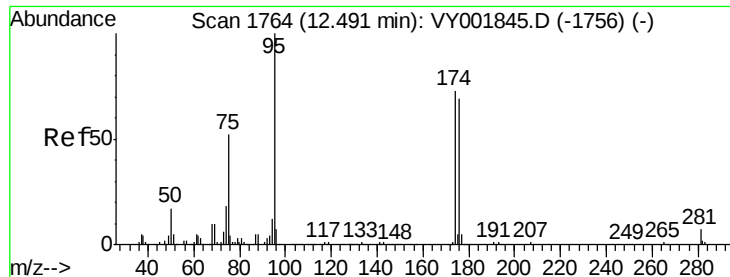
100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

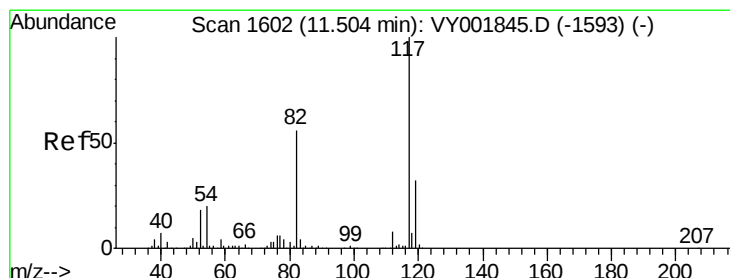
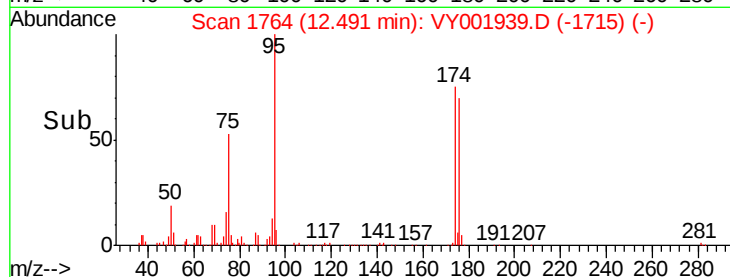
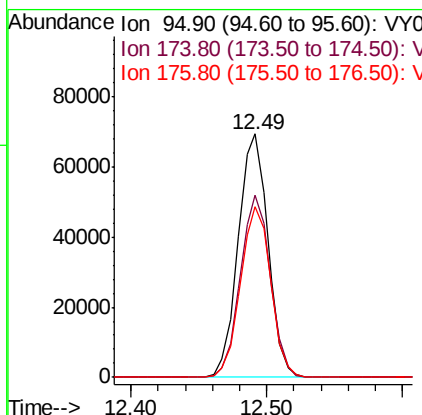
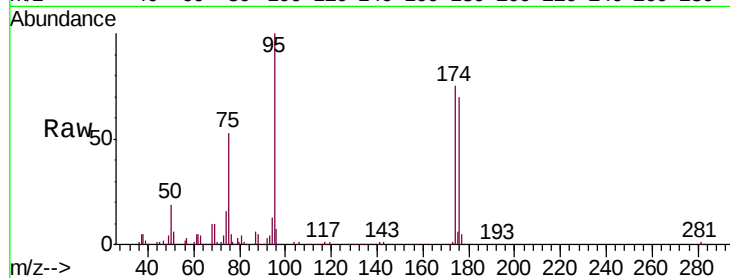




#62
4-Bromofluorobenzene
Concen: 49.496 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001939.D
Acq: 11 Mar 2020 13:42

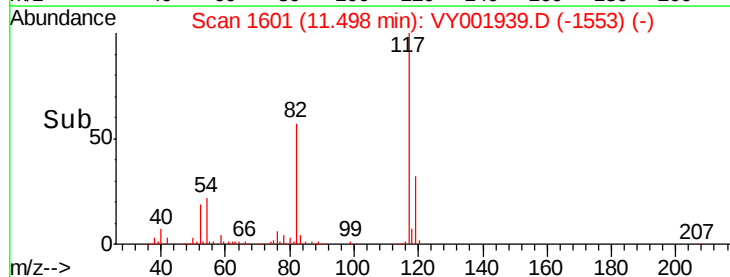
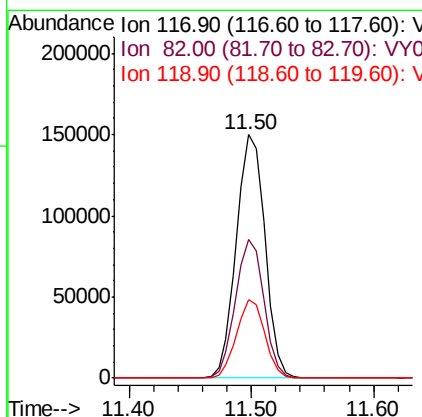
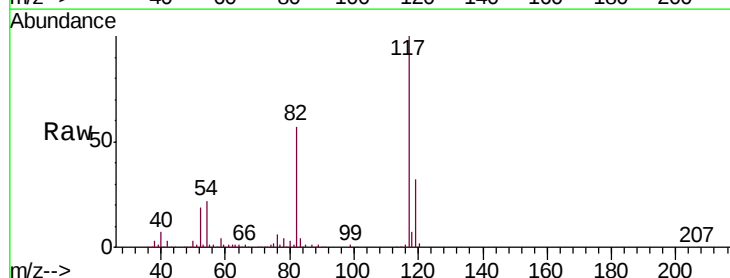
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-(6.7-7)

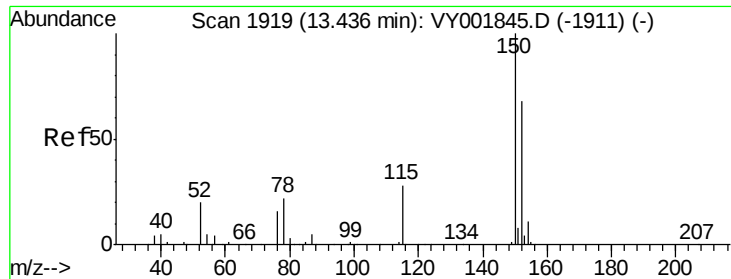
Tgt Ion: 95 Resp: 105978
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.0
176 71.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001939.D
Acq: 11 Mar 2020 13:42

Tgt Ion: 117 Resp: 243045
Ion Ratio Lower Upper
117 100
82 56.7 44.5 66.7
119 32.1 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: VY001939.D

Acq: 11 Mar 2020 13:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-(6.7-7)

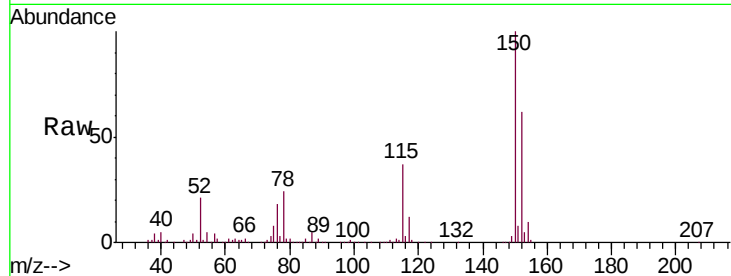
Tgt Ion:152 Resp: 104419

Ion Ratio Lower Upper

152 100

115 61.5 29.9 89.7

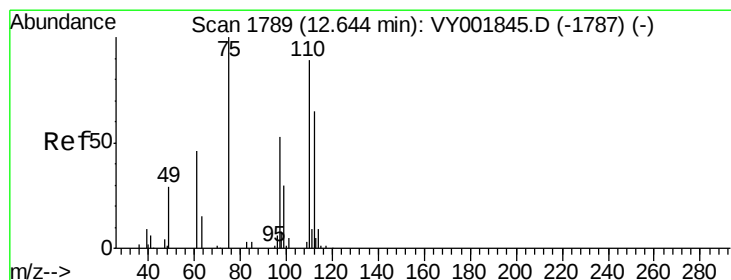
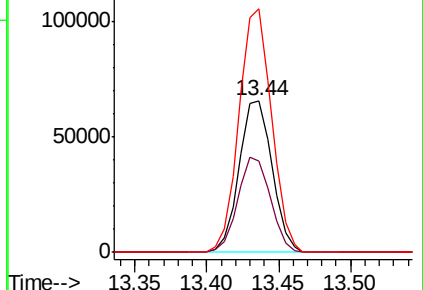
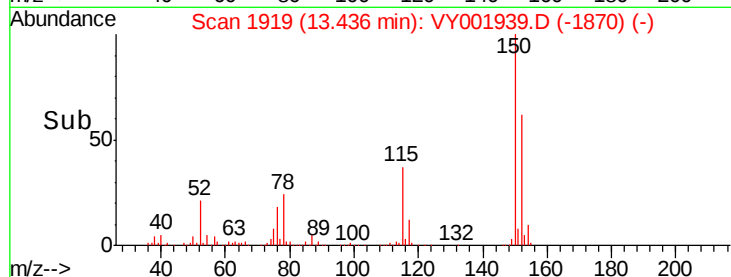
150 158.4 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 44.973 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001939.D

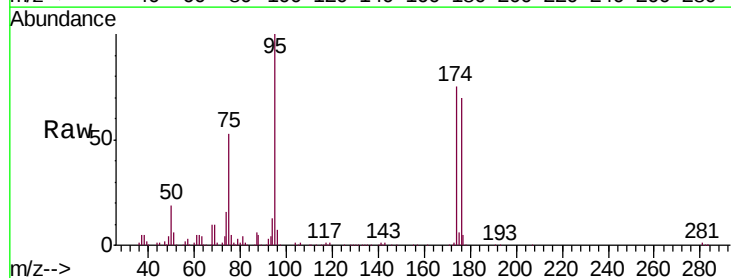
Acq: 11 Mar 2020 13:42

Tgt Ion: 75 Resp: 55721

Ion Ratio Lower Upper

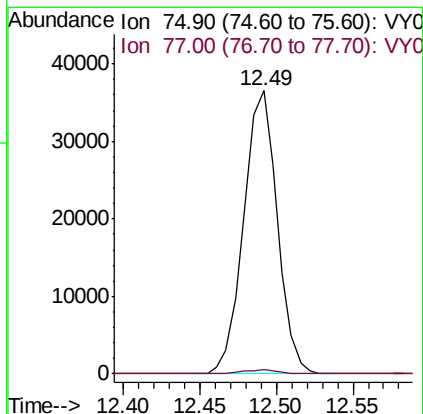
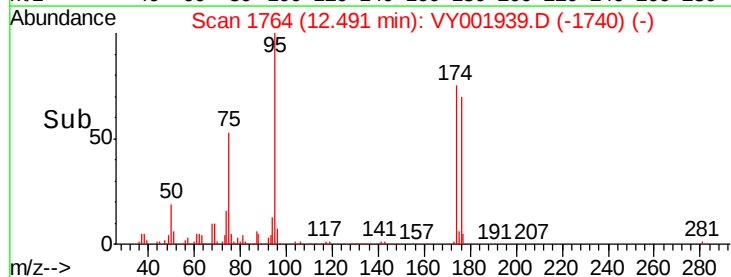
75 100

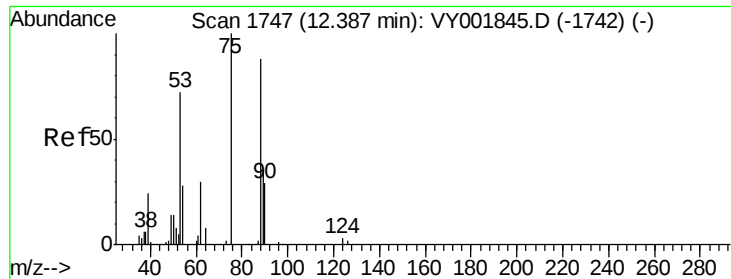
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 90.842 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001939.D

Acq: 11 Mar 2020 13:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-18-(6.7-7)

Tgt Ion: 75 Resp: 55721

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.2 36.0 54.0#

