

Data File : VY001984.D
Acq On : 16 Mar 2020 15:37
Operator : SY/MD
Sample : L1920-01
Misc : 5.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
F-1

Quant Time: Mar 17 08:07:03 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	143652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	113225	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	89358	58.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.54%	
35) Dibromofluoromethane	7.74	113	80911	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.19	98	335734	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.49	95	114927	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

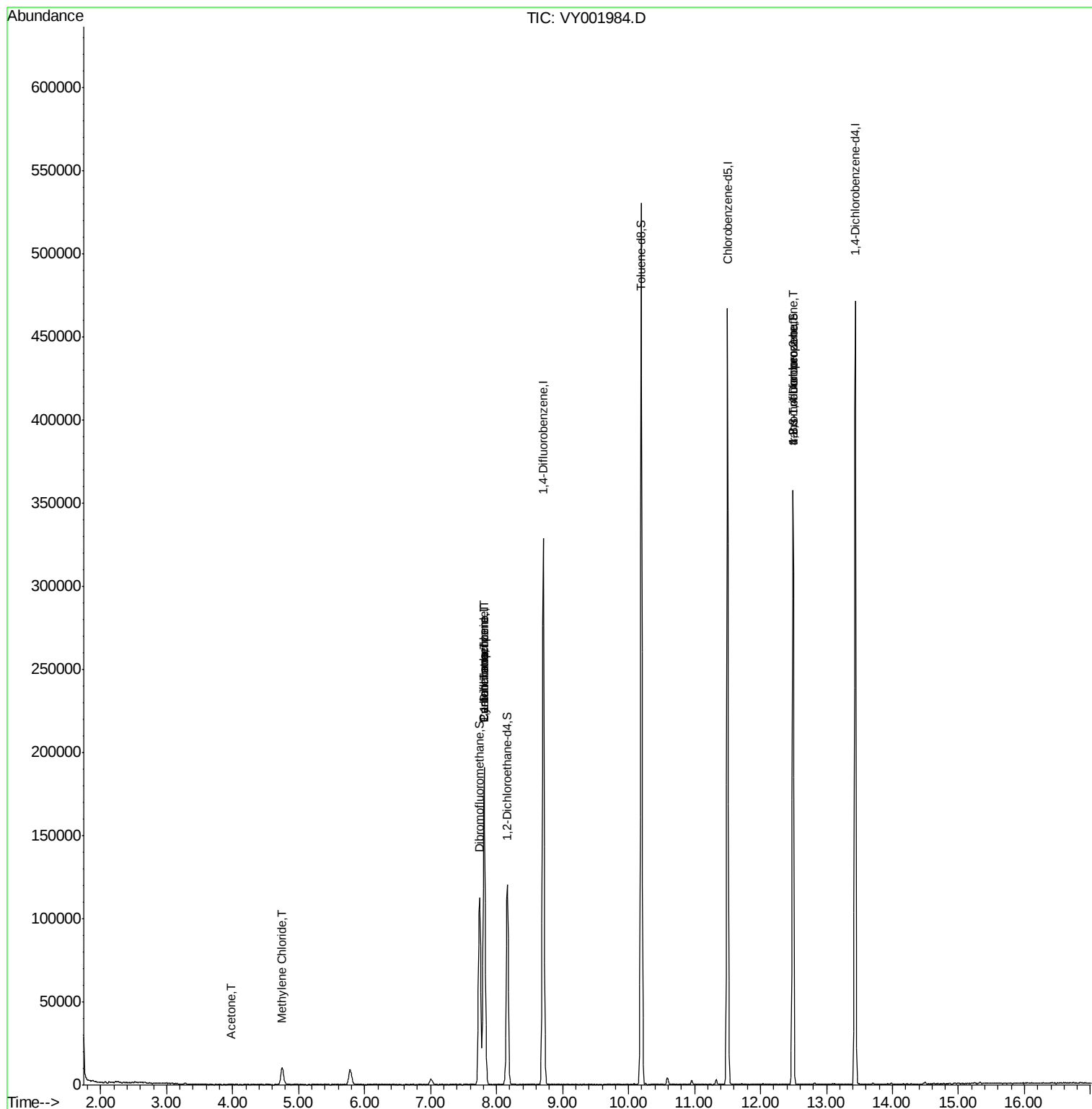
Target Compounds			Qvalue			
5) Bromomethane	2.52	94	21	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	353	Below Cal	#	74
16) Acetone	3.98	43	850	1.903	ug/l	90
20) Methylene Chloride	4.74	84	7676	4.010	ug/l	91
31) Cyclohexane	7.81	56	3494	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12223	4.531	ug/l #	49
38) Carbon Tetrachloride	7.81	117	14198	6.161	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	58594	43.613	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58594	88.097	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001984.D

Acq: 16 Mar 2020 15:37

Instrument :

MSVOA_Y

ClientSampled :

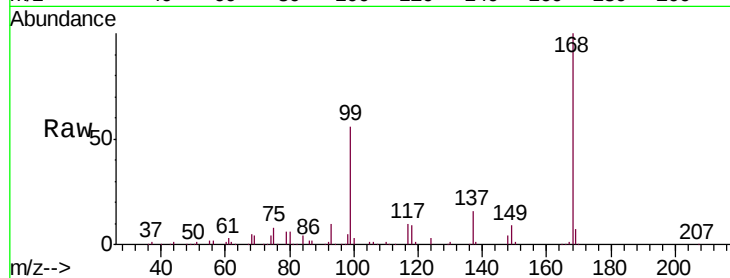
F-1

Tgt Ion:168 Resp: 143652

Ion Ratio Lower Upper

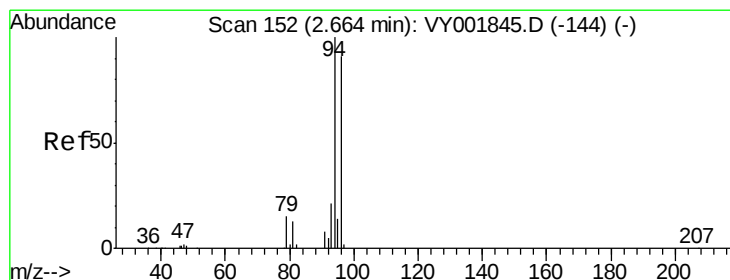
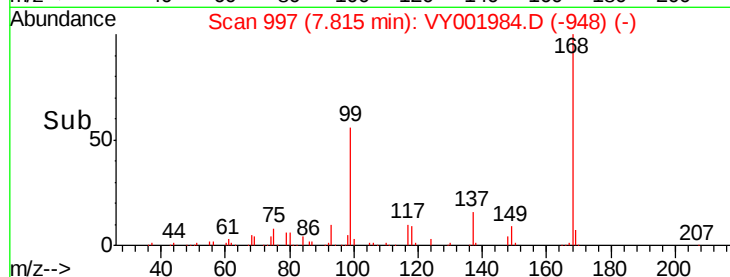
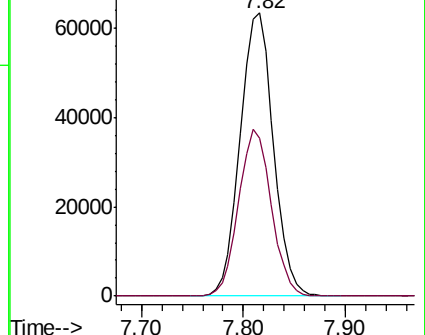
168 100

99 55.8 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: 2.52 min Scan# 129

Delta R.T. -0.14 min

Lab File: VY001984.D

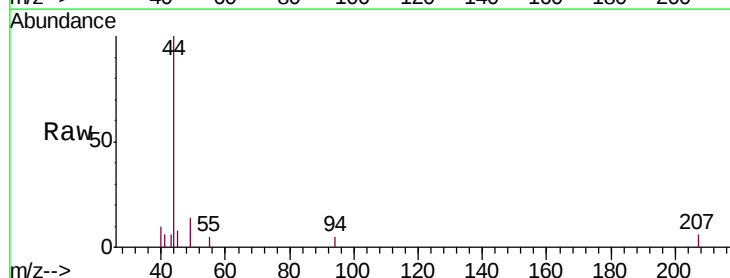
Acq: 16 Mar 2020 15:37

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

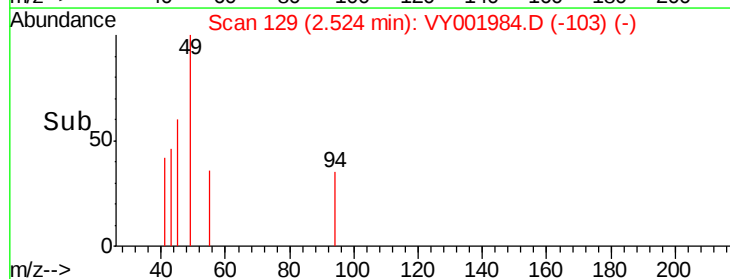
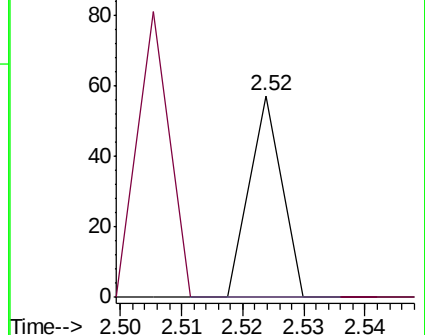
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001984.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001984.D (-103) (-)



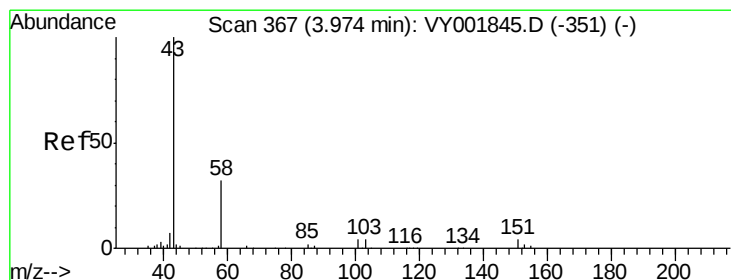
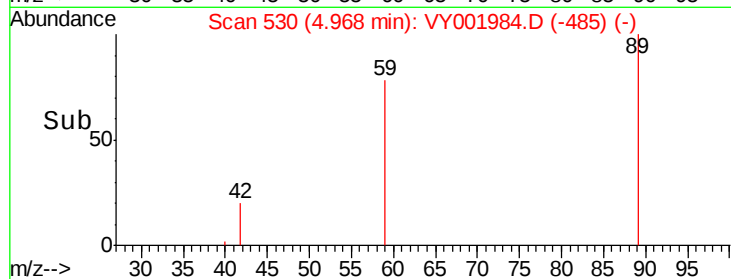
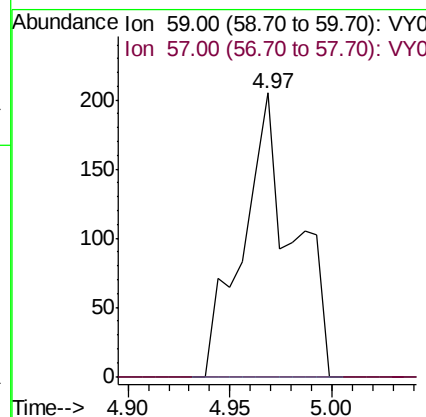
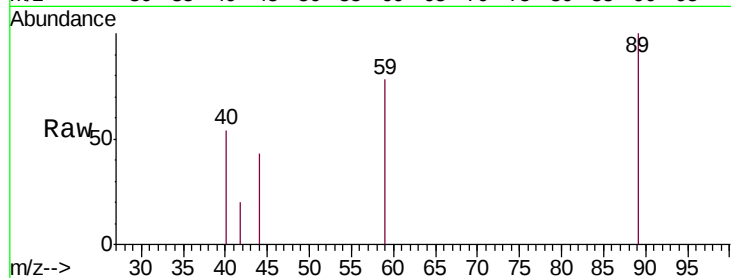


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001984.D
 Acq: 16 Mar 2020 15:37

Instrument :
 MSVOA_Y
 ClientSampled :
 F-1

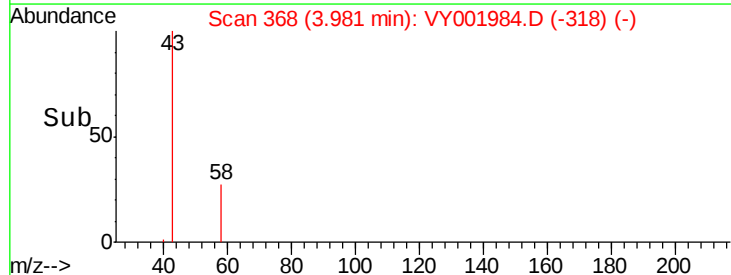
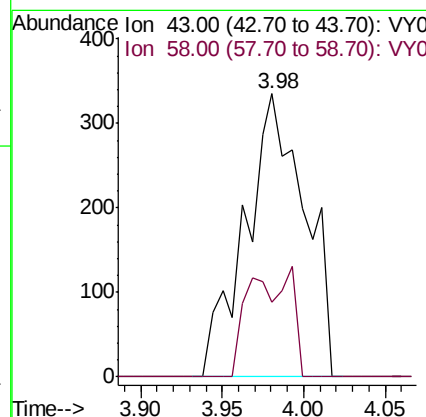
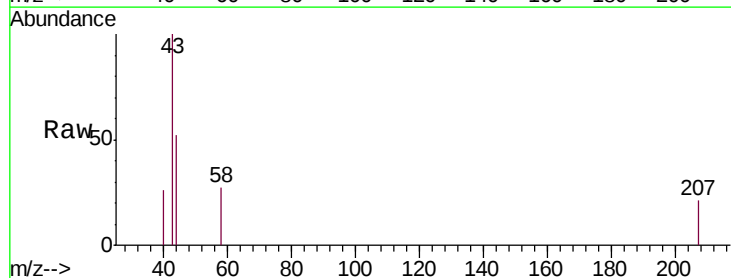
Tgt Ion: 59 Resp: 353
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

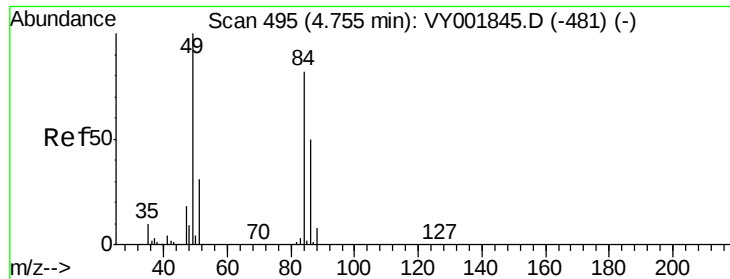


#16

Acetone
 Concen: 1.903 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001984.D
 Acq: 16 Mar 2020 15:37

Tgt Ion: 43 Resp: 850
 Ion Ratio Lower Upper
 43 100
 58 26.6 25.9 38.9

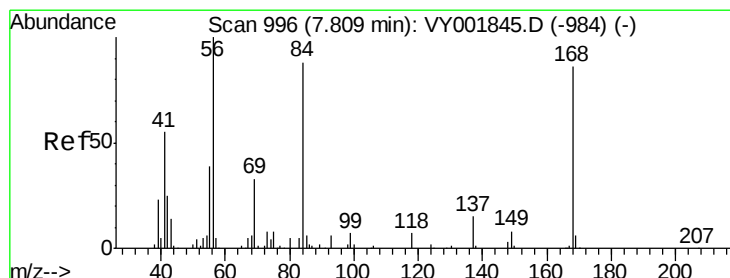
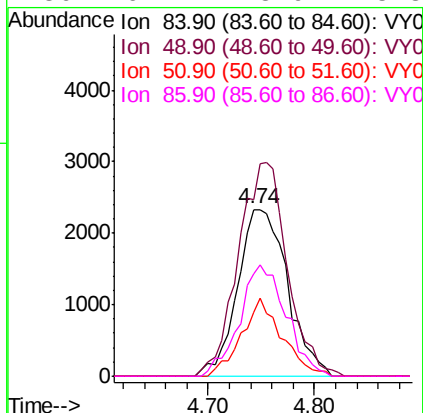
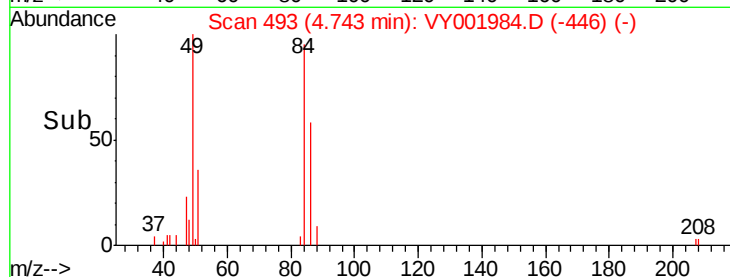
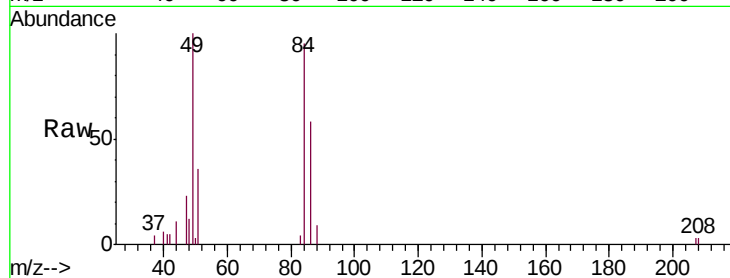




#20
Methylene Chloride
Concen: 4.010 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY00184.D
Acq: 16 Mar 2020 15:37

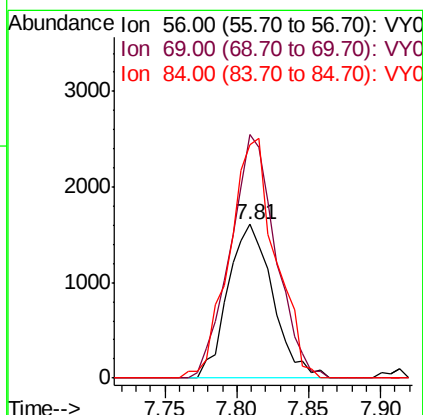
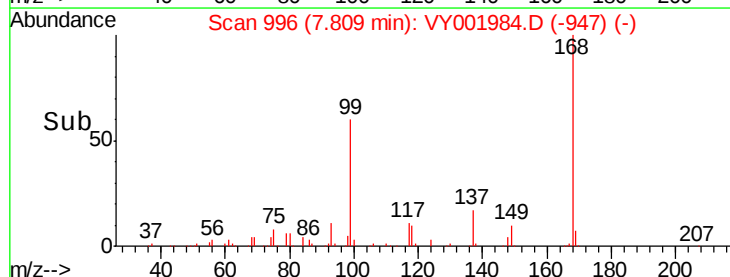
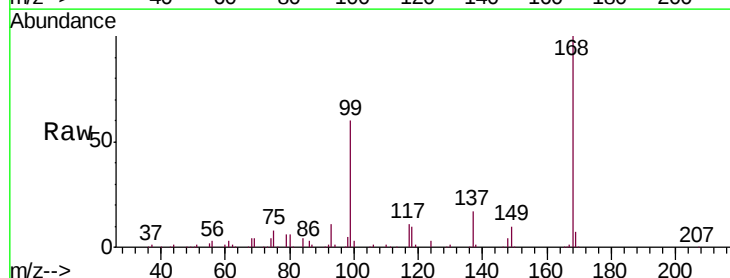
Instrument :
MSVOA_Y
ClientSampled :
F-1

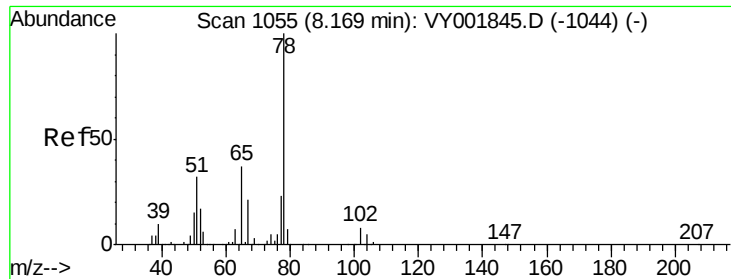
Tgt Ion: 84 Resp: 7676
Ion Ratio Lower Upper
84 100
49 105.7 98.2 147.2
51 38.3 30.2 45.2
86 61.4 48.9 73.3



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY00184.D
Acq: 16 Mar 2020 15:37

Tgt Ion: 56 Resp: 3494
Ion Ratio Lower Upper
56 100
69 158.3 26.7 40.1#
84 152.0 70.4 105.6#

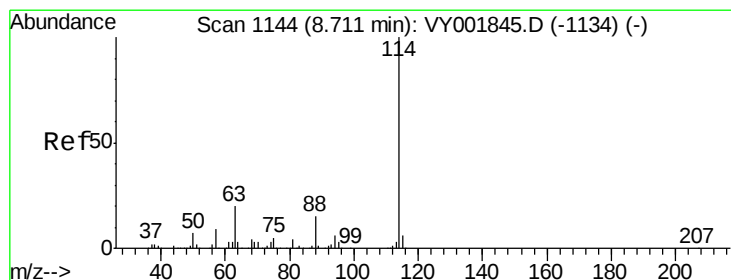
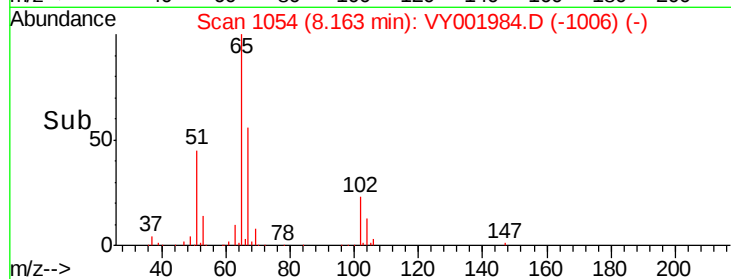
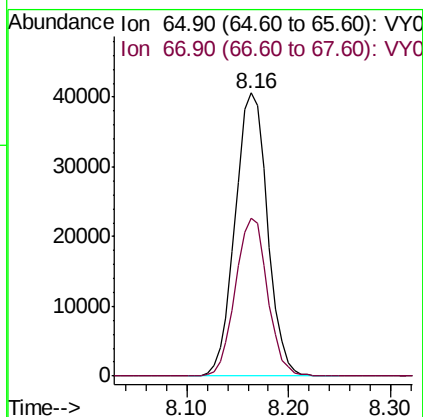
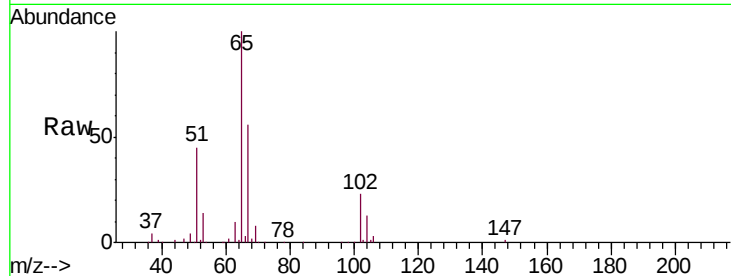




#33
 1,2-Dichloroethane-d4
 Concen: 58.268 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001984.D
 Acq: 16 Mar 2020 15:37

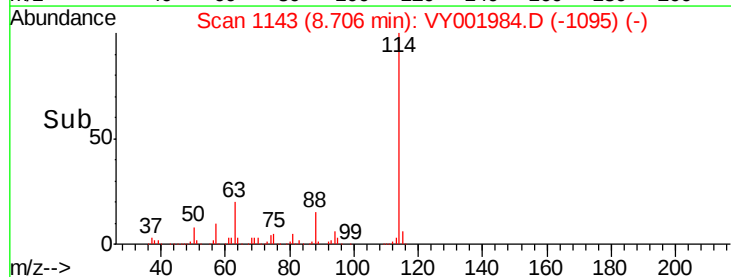
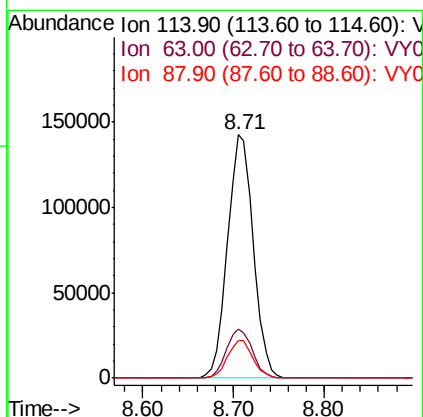
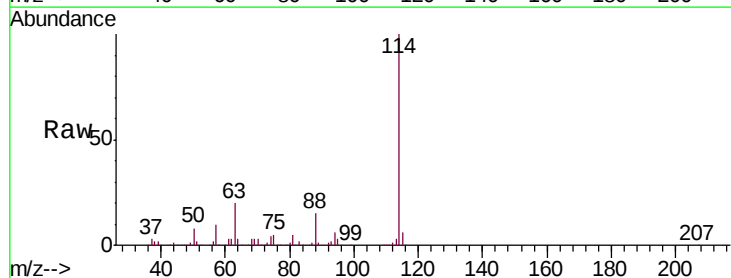
Instrument :
 MSVOA_Y
 ClientSampleId :
 F-1

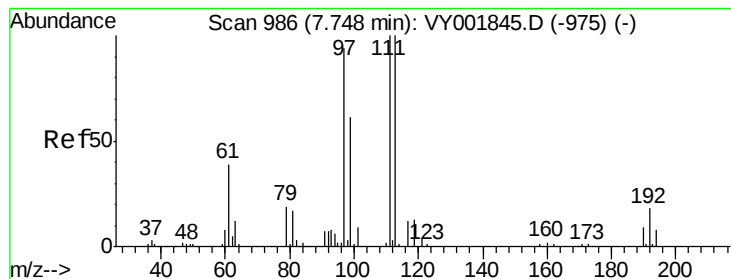
Tgt Ion: 65 Resp: 89358
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001984.D
 Acq: 16 Mar 2020 15:37

Tgt Ion: 114 Resp: 280313
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.861 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001984.D

Acq: 16 Mar 2020 15:37

Instrument :

MSVOA_Y

ClientSampleId :

F-1

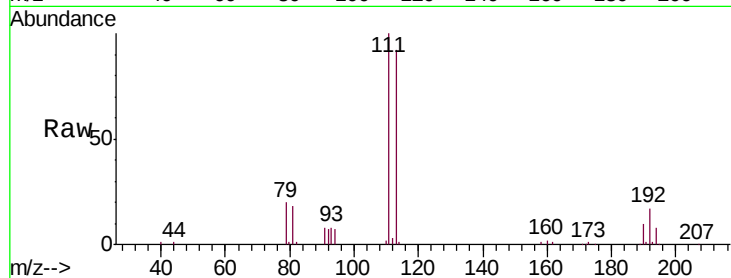
Tgt Ion:113 Resp: 80911

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

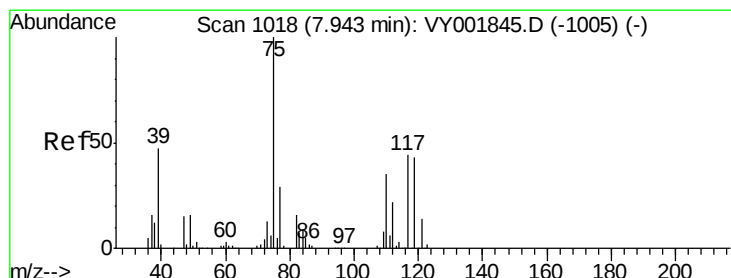
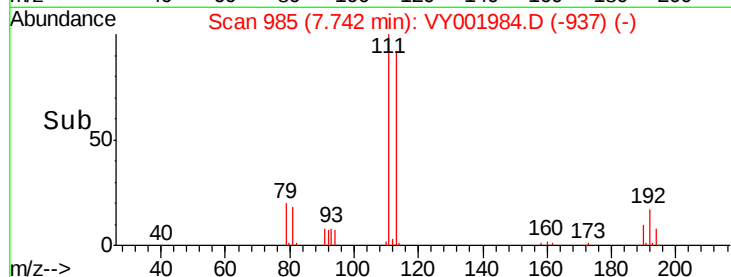
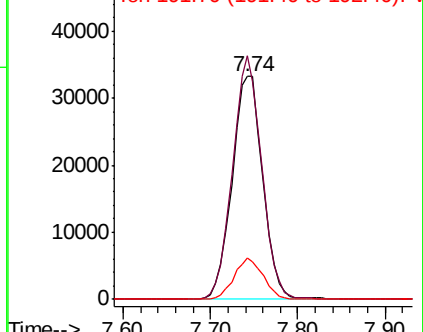
192 17.5 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.531 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001984.D

Acq: 16 Mar 2020 15:37

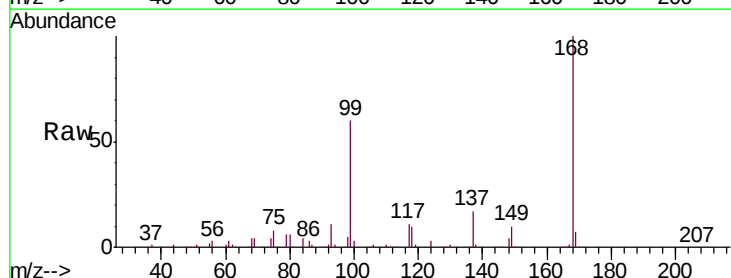
Tgt Ion: 75 Resp: 12223

Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.2#

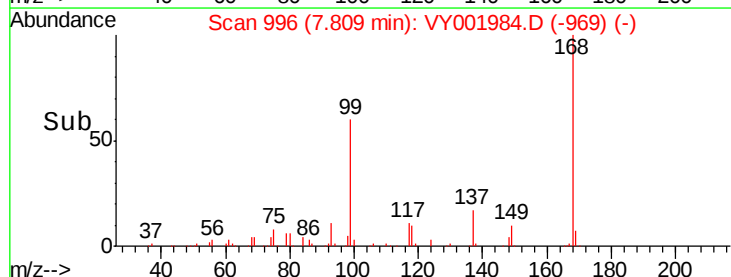
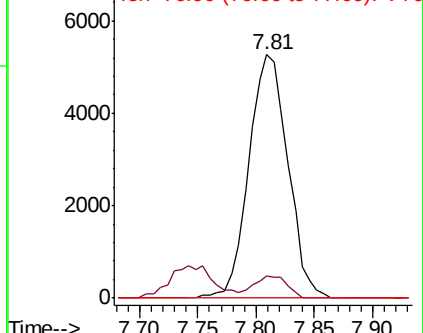
77 0.0 24.2 36.2#

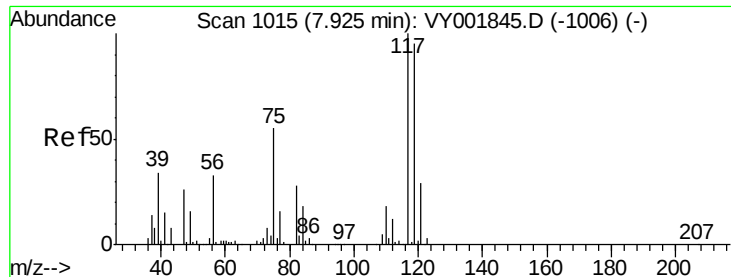


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

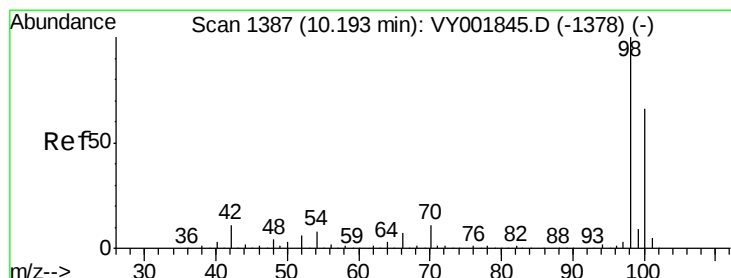
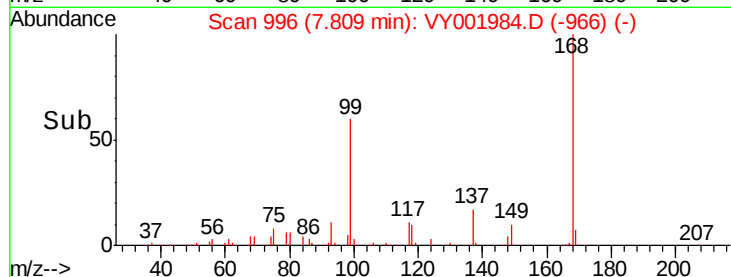
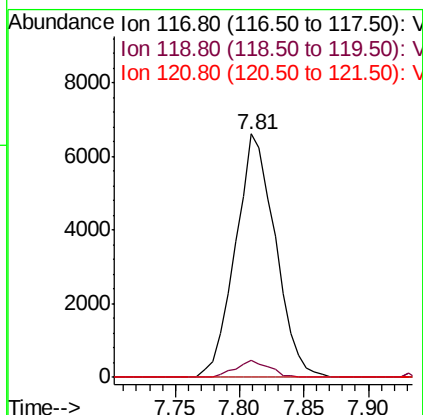
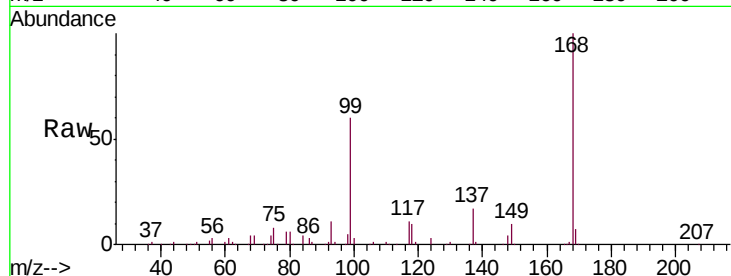




#38
Carbon Tetrachloride
Concen: 6.161 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001984.D
Acq: 16 Mar 2020 15:37

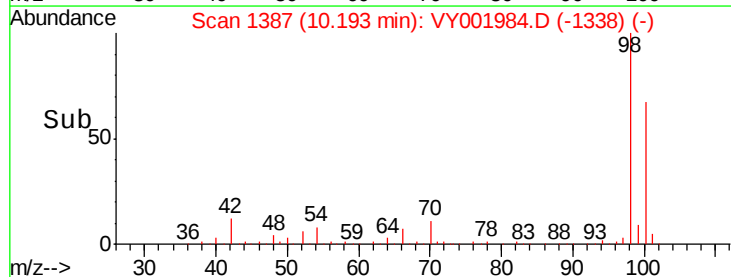
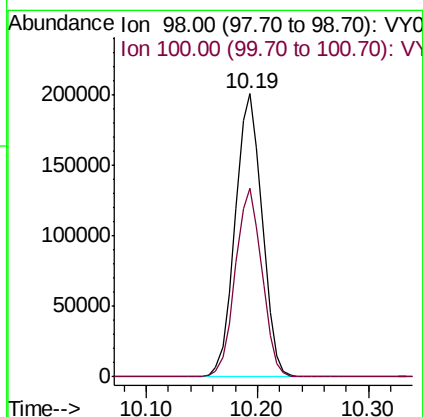
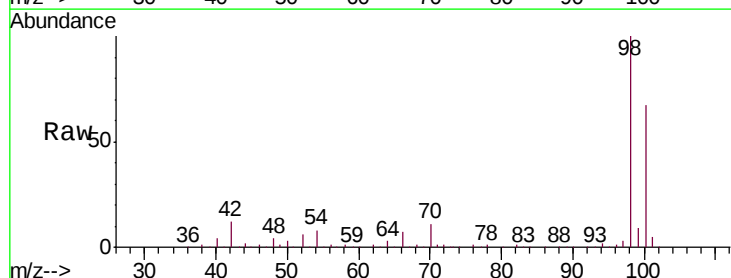
Instrument :
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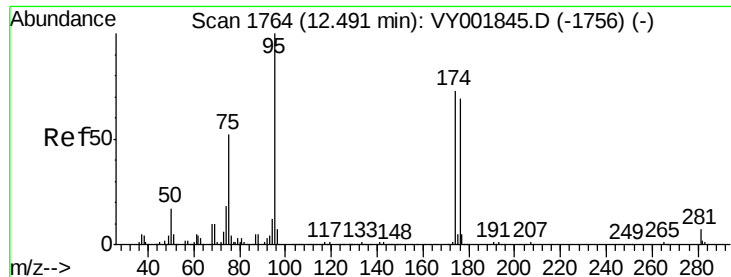
Tgt Ion:117 Resp: 14198
Ion Ratio Lower Upper
117 100
119 6.9 76.3 114.5#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 52.016 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001984.D
Acq: 16 Mar 2020 15:37

Tgt Ion: 98 Resp: 335734
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

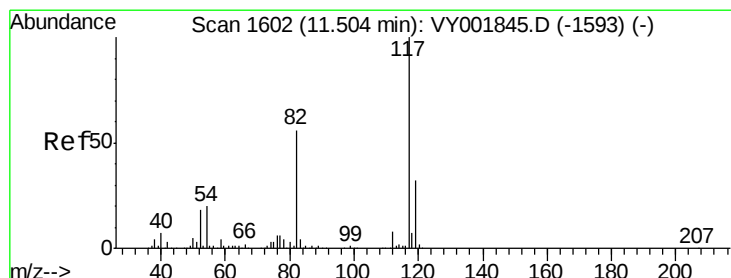
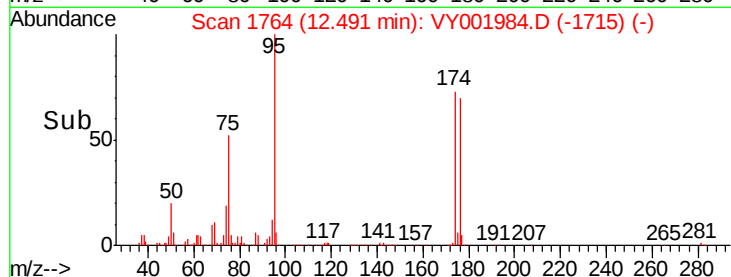
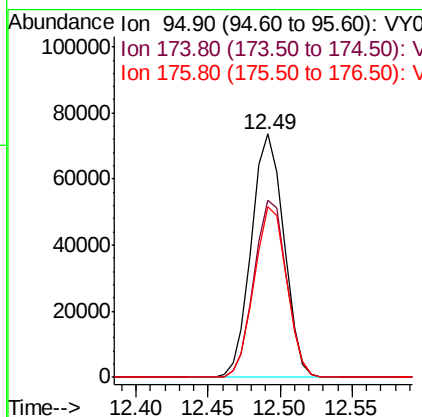
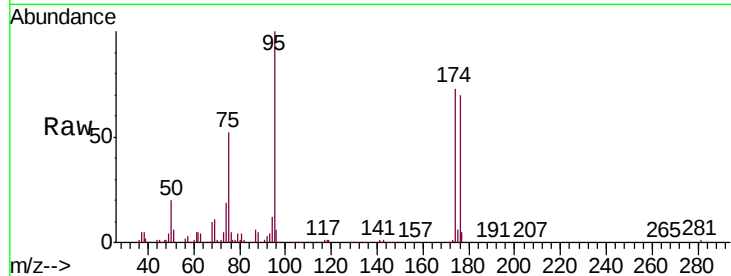




#62
4-Bromofluorobenzene
Concen: 51.209 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001984.D
Acq: 16 Mar 2020 15:37

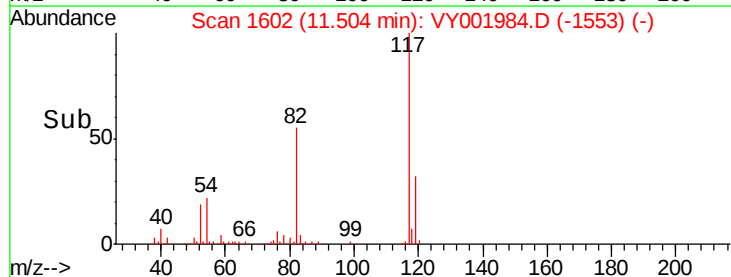
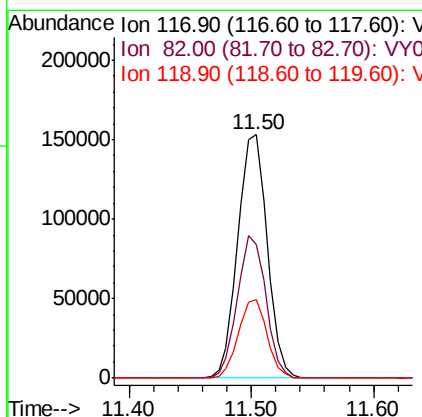
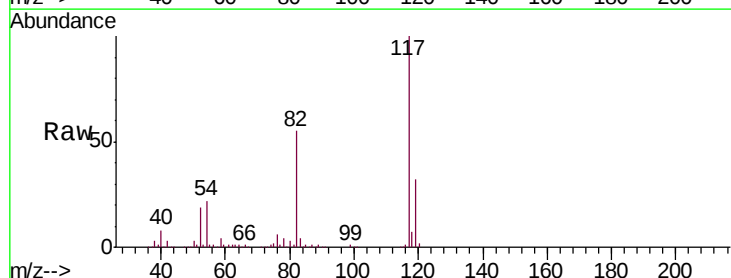
Instrument :
MSVOA_Y
ClientSampleId :
F-1

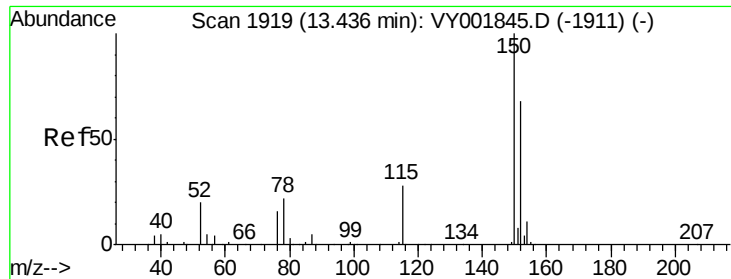
Tgt Ion: 95 Resp: 114927
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.0
176 70.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001984.D
Acq: 16 Mar 2020 15:37

Tgt Ion: 117 Resp: 255279
Ion Ratio Lower Upper
117 100
82 55.1 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: VY001984.D

Acq: 16 Mar 2020 15:37

Instrument :

MSVOA_Y

ClientSampleId :

F-1

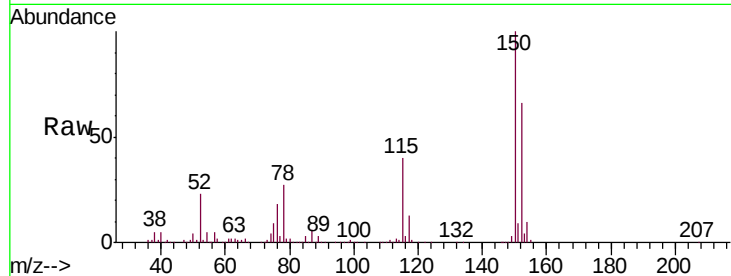
Tgt Ion:152 Resp: 113225

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

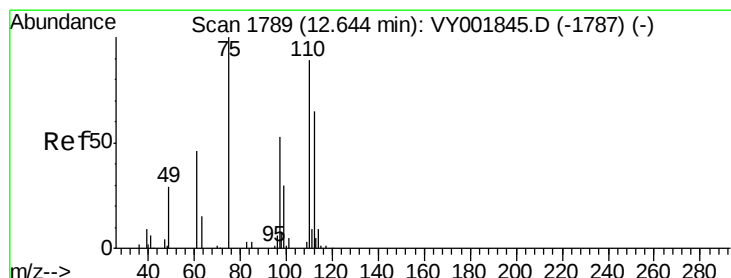
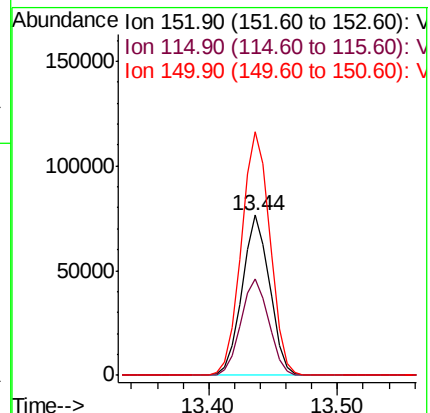
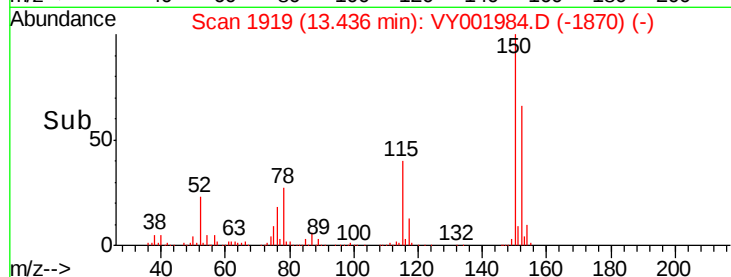
150 157.1 0.0 340.6



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: 43.613 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001984.D

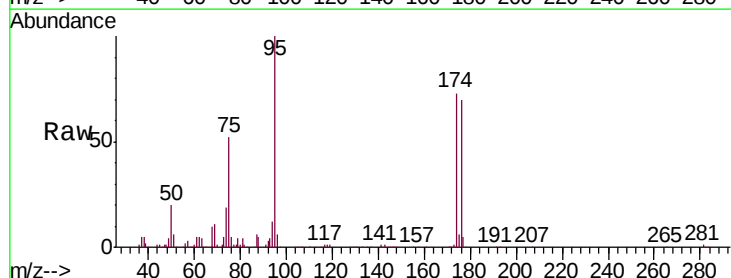
Acq: 16 Mar 2020 15:37

Tgt Ion: 75 Resp: 58594

Ion Ratio Lower Upper

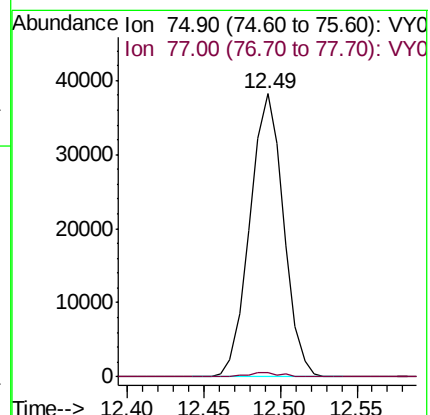
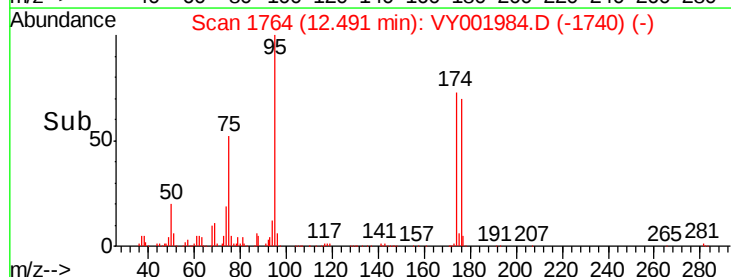
75 100

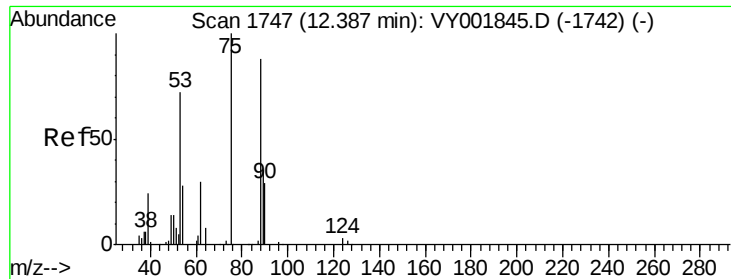
77 1.5 0.0 0.0#



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: 88.097 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001984.D

Acq: 16 Mar 2020 15:37

Instrument :

MSVOA_Y

ClientSampleId :

F-1

Tgt Ion: 75 Resp: 58594

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

