

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002412.D
 Acq On : 17 Apr 2020 20:03
 Operator : SY/MD
 Sample : L2283-04
 Misc : 5.64G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	130591	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	258142	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	249162	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	113997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	66566	45.84	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	7.75	113	74896	48.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.20	98	310535	48.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.50	95	108983	51.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

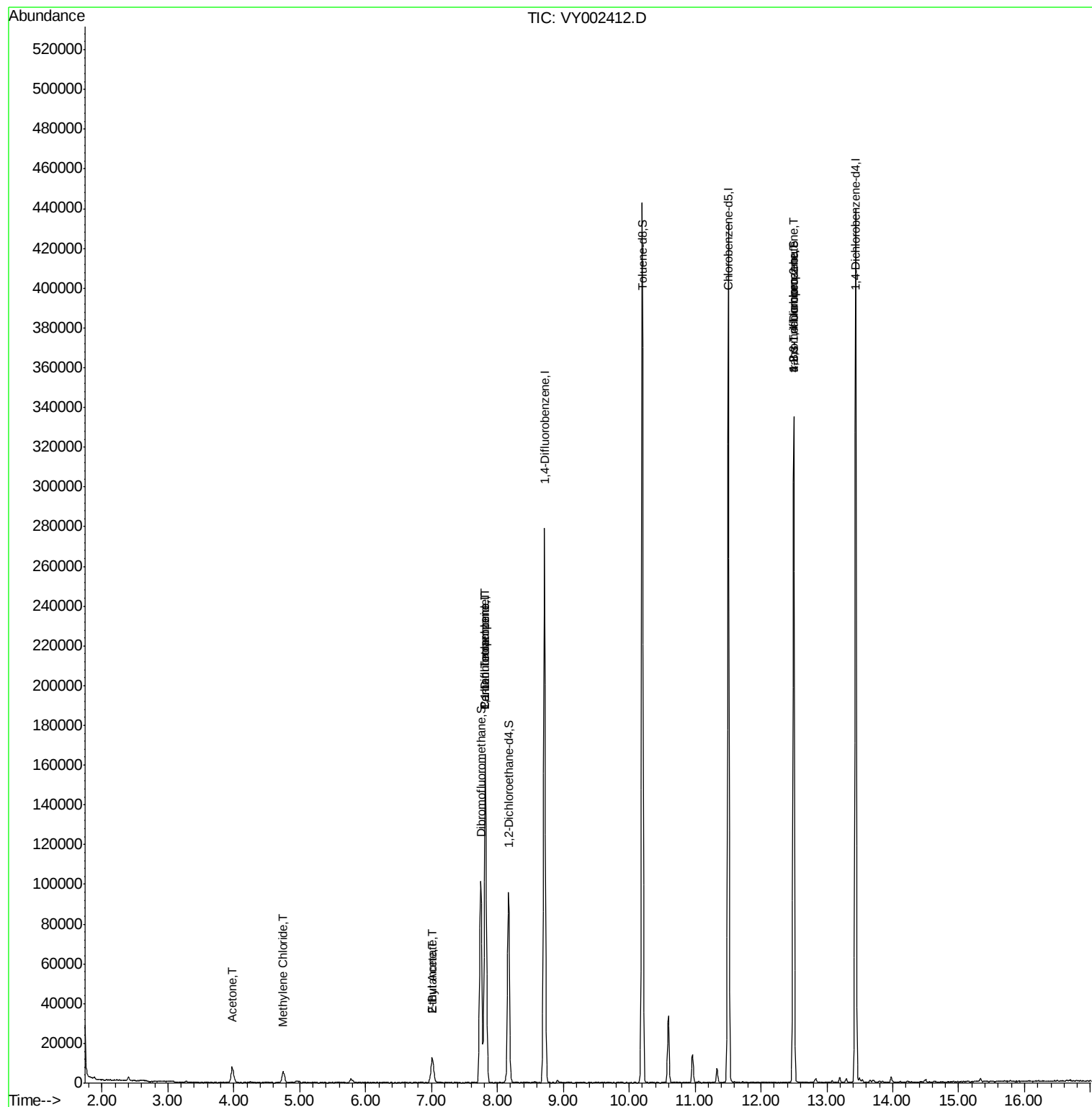
					Qvalue
11) Tert butyl alcohol	4.98	59	442	Below Cal	# 77
16) Acetone	3.97	43	13362	34.933	ug/l 98
20) Methylene Chloride	4.75	84	4570	2.431	ug/l # 77
25) 2-Butanone	7.02	43	2492	4.117	ug/l 98
36) 1,1-Dichloropropene	7.82	75	9531	3.748	ug/l # 49
37) Ethyl Acetate	7.02	43	2492	1.716	ug/l # 83
38) Carbon Tetrachloride	7.82	117	12397	5.700	ug/l # 15
76) 1,2,3-Trichloropropane	12.50	75	49449	37.355	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.50	75	49449	72.655	ug/l # 19

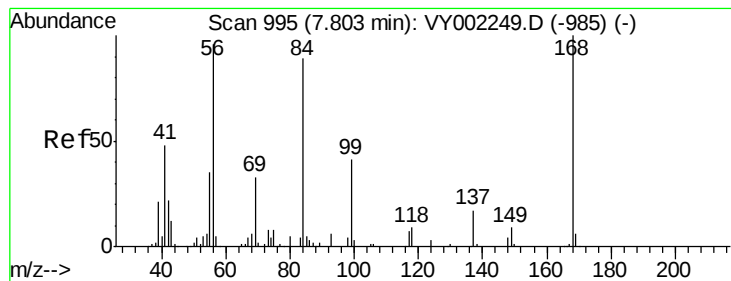
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Instrument :

MSVOA_Y

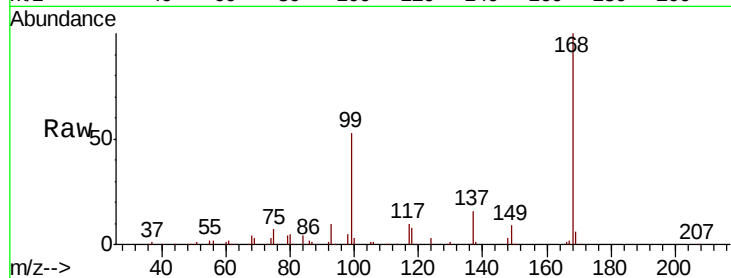
ClientSampled :

Tot Ion:168 Resp: 130591

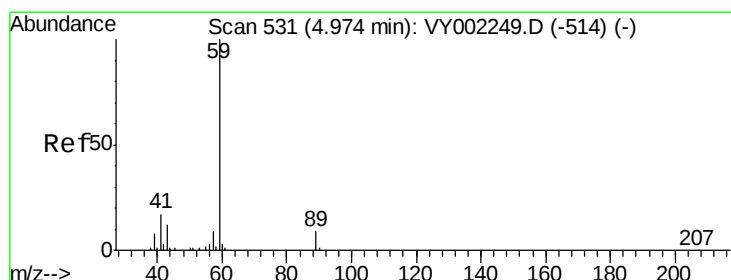
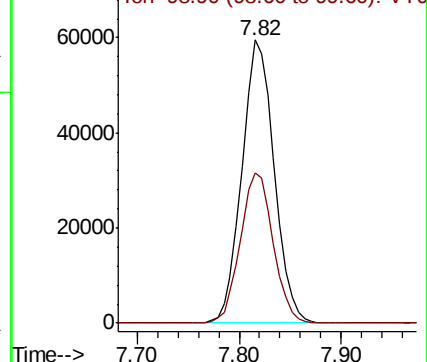
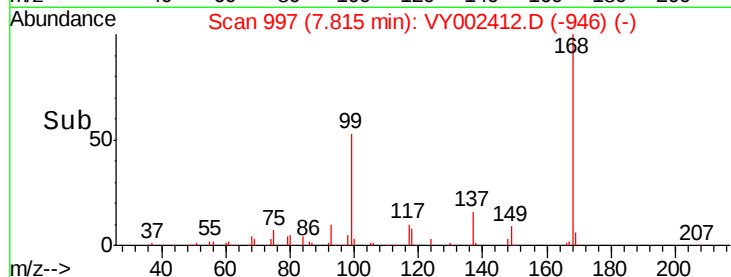
Ion Ratio Lower Upper

168 100

99 53.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002412.D

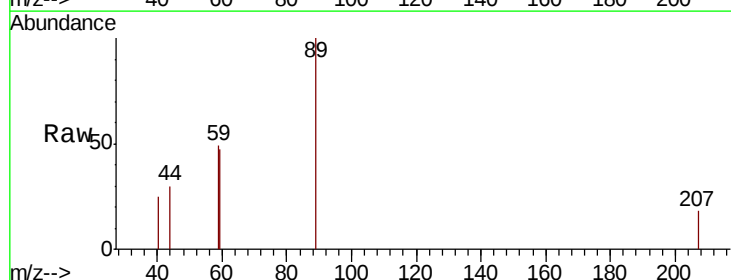
Acq: 17 Apr 2020 20:03

Tgt Ion: 59 Resp: 442

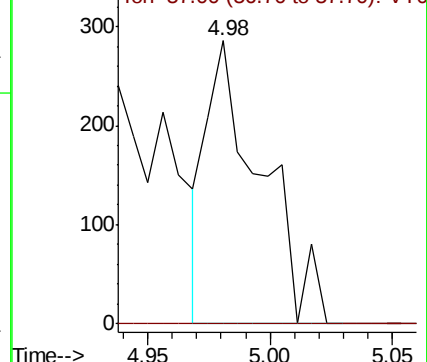
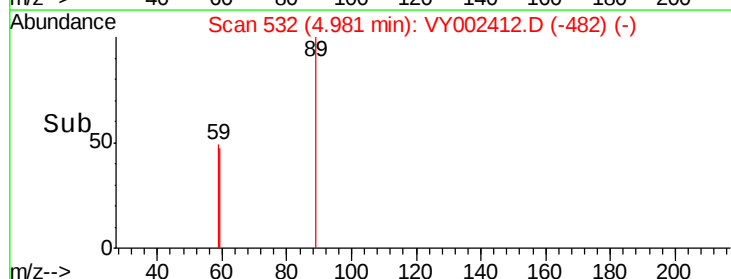
Ion Ratio Lower Upper

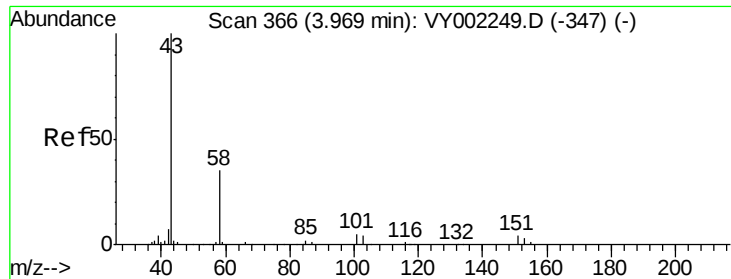
59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 34.933 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Instrument :

MSVOA_Y

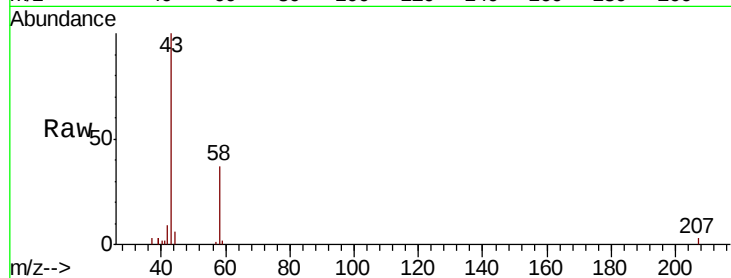
ClientSampled :

Tot Ion: 43 Resp: 13362

Ion Ratio Lower Upper

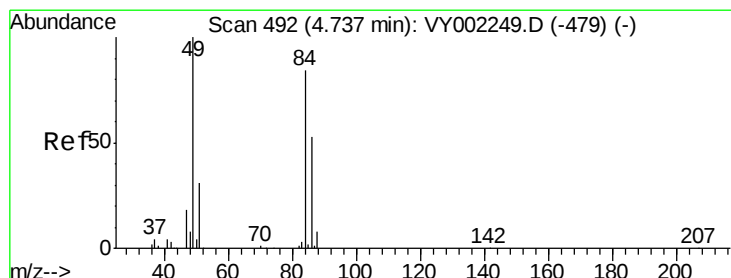
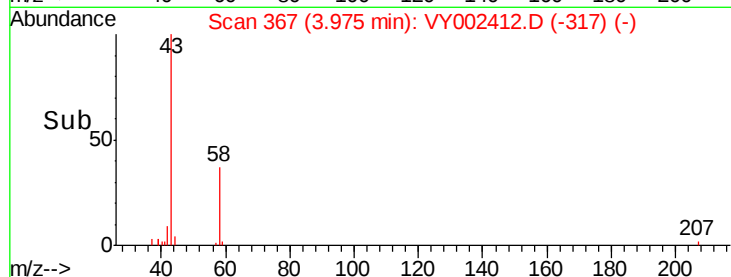
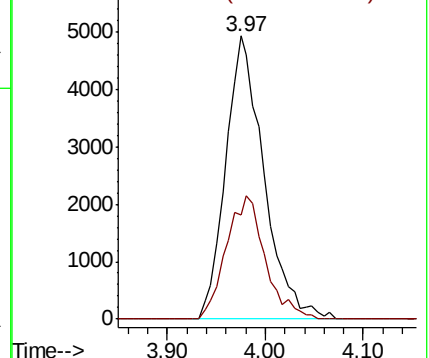
43 100

58 36.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.431 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Tgt Ion: 84 Resp: 4570

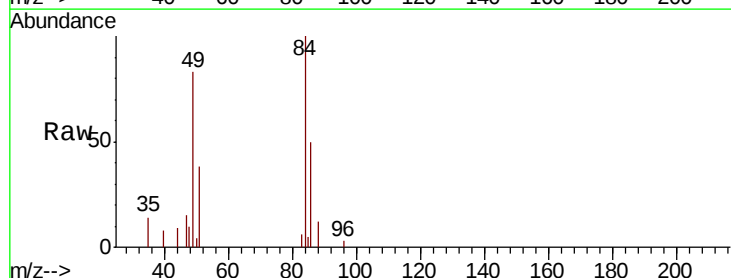
Ion Ratio Lower Upper

84 100

49 82.8 95.5 143.3#

51 38.5 29.5 44.3

86 50.5 50.7 76.1#

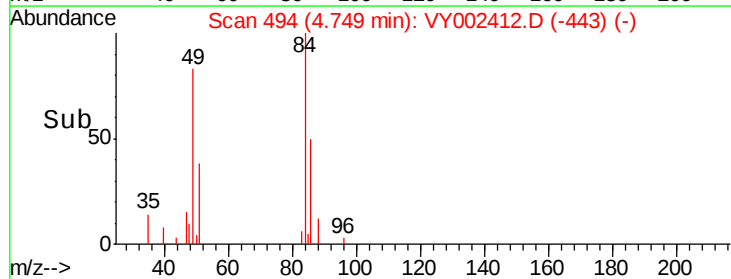
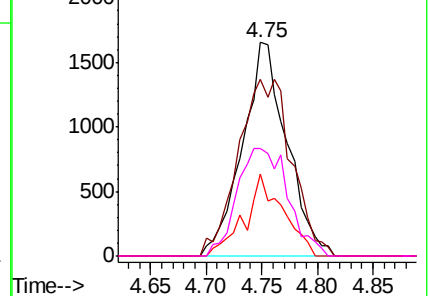


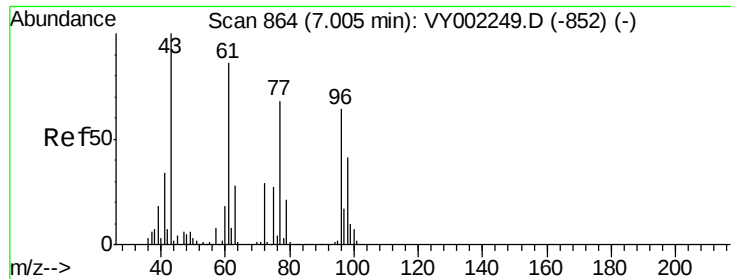
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 4.117 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Instrument :

MSVOA_Y

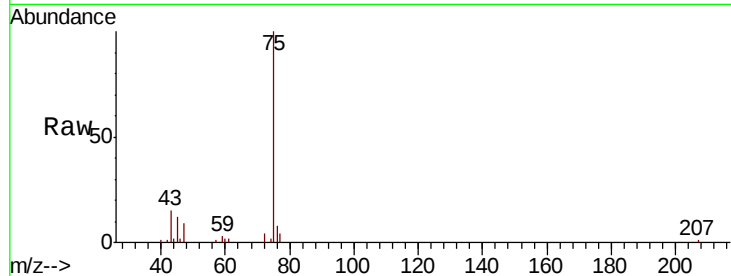
ClientSampled :

Tot Ion: 43 Resp: 2492

Ion Ratio Lower Upper

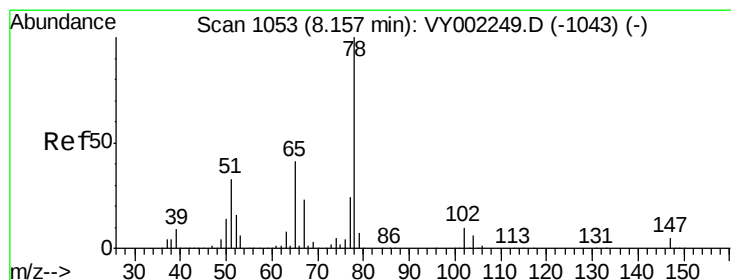
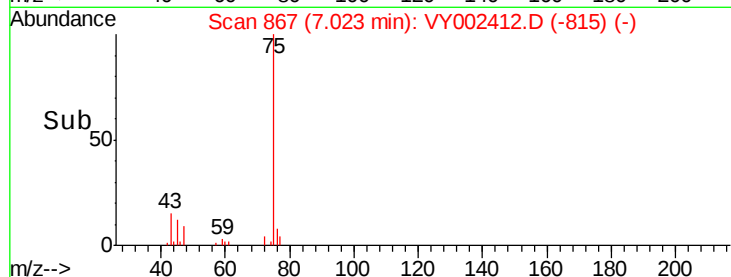
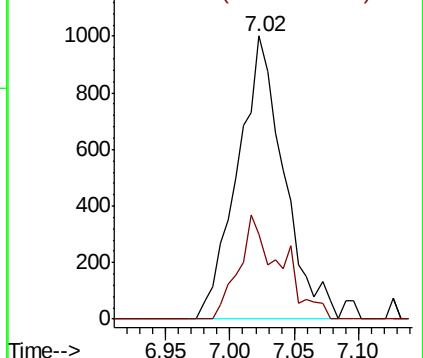
43 100

72 30.2 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 45.836 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002412.D

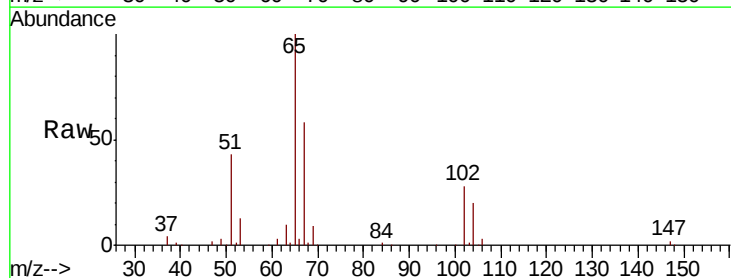
Acq: 17 Apr 2020 20:03

Tgt Ion: 65 Resp: 66566

Ion Ratio Lower Upper

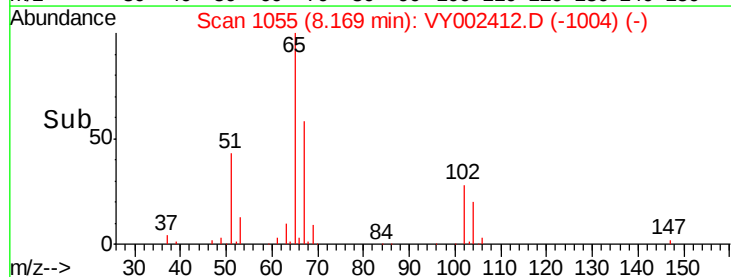
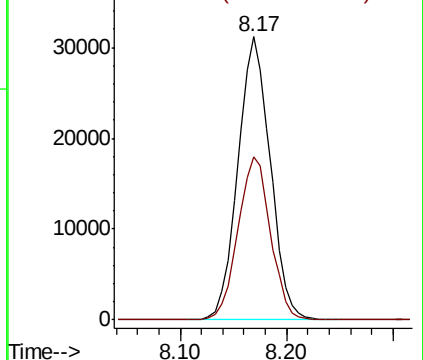
65 100

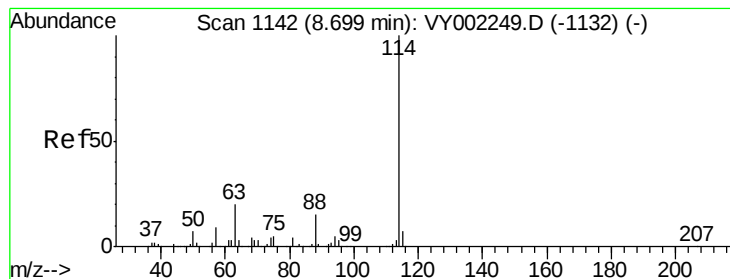
67 57.9 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

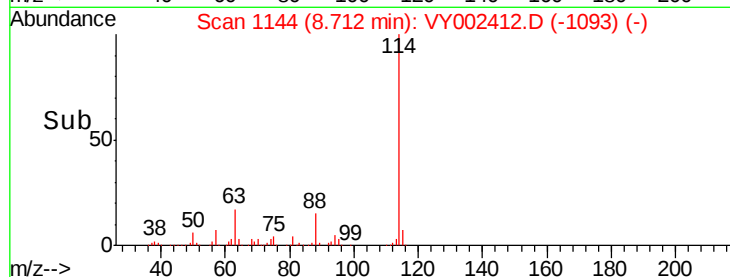
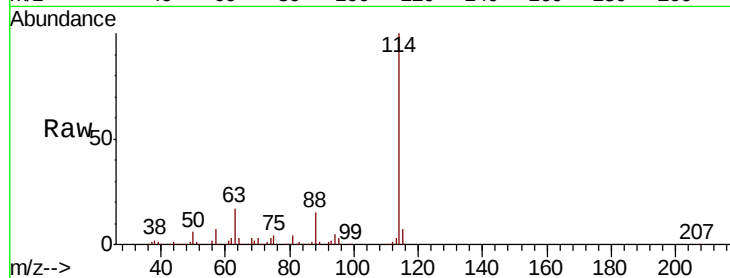
Tot Ion:114 Resp: 258142

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.0

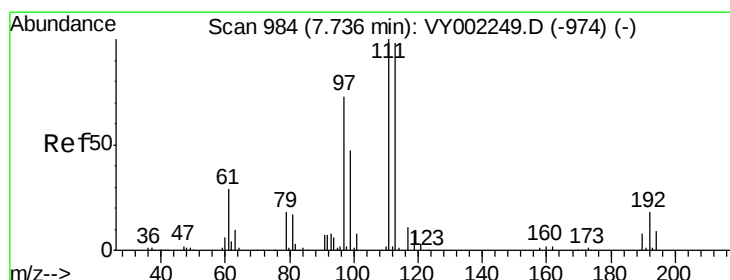
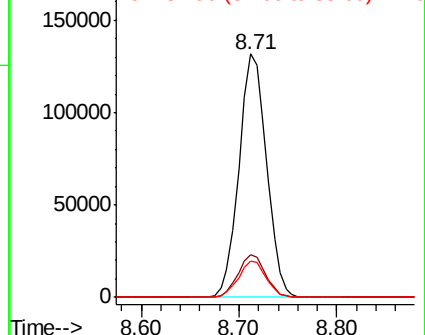
88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 48.759 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

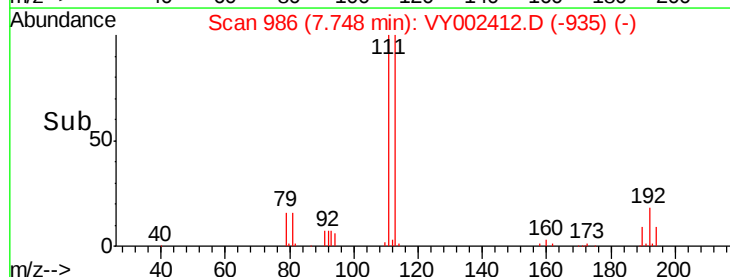
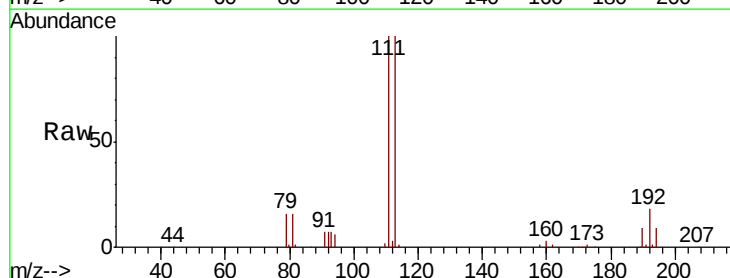
Tgt Ion:113 Resp: 74896

Ion Ratio Lower Upper

113 100

111 103.1 83.5 125.3

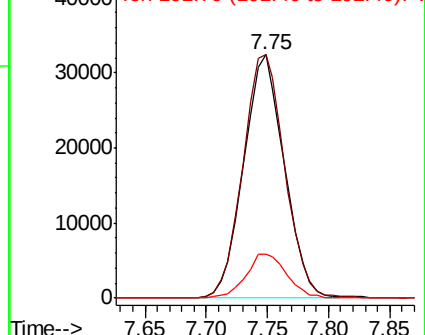
192 18.3 14.7 22.1

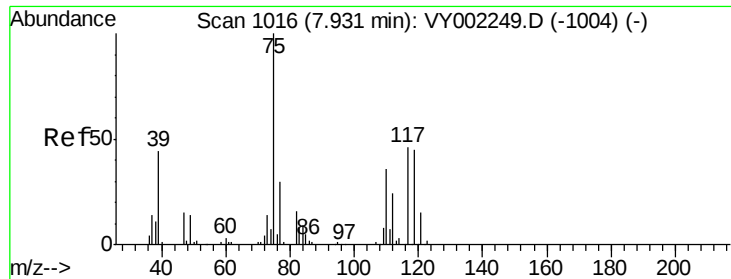


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

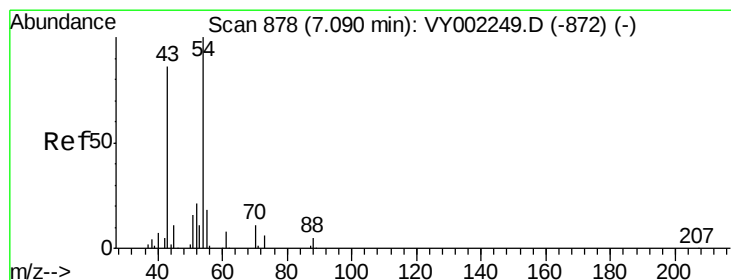
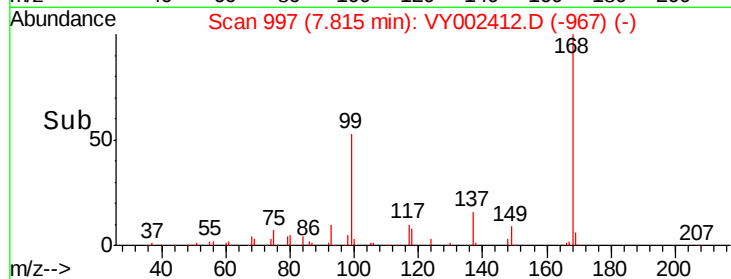
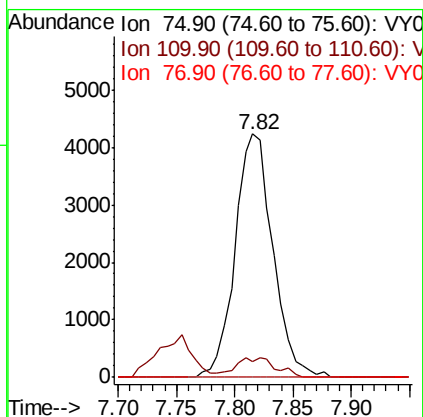
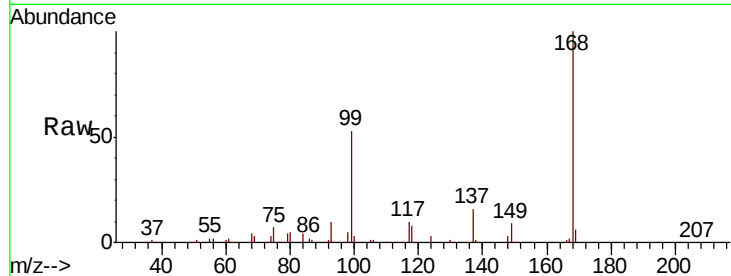




#36
 1,1-Dichloropropene
 Concen: 3.748 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002412.D
 Acq: 17 Apr 2020 20:03

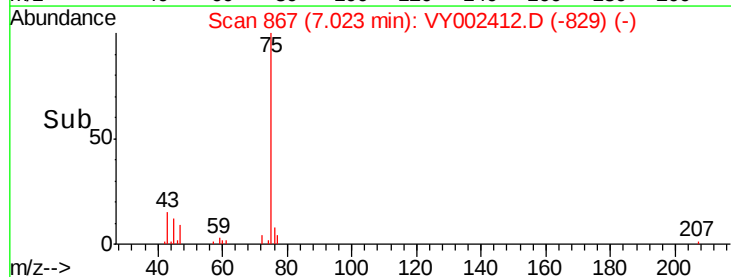
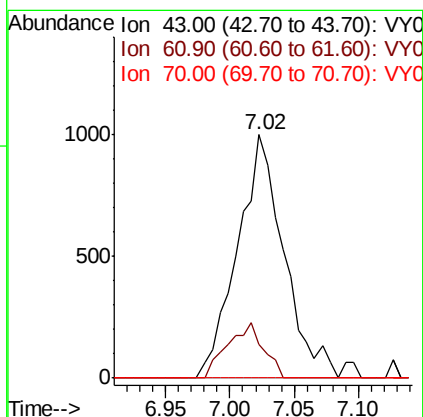
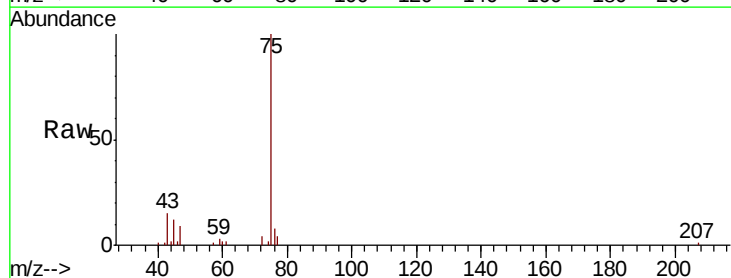
Instrument :
 MSVOA_Y
 ClientSampled :

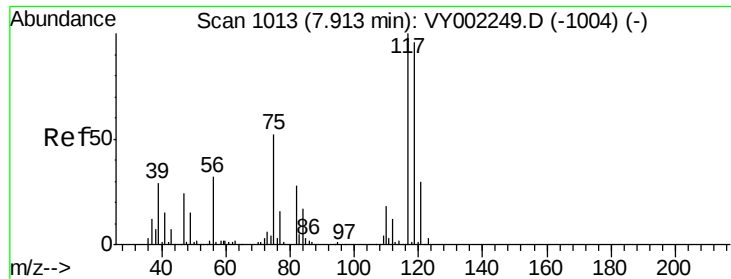
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 1.716 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VY002412.D
 Acq: 17 Apr 2020 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.7	11.8	17.6#
70	0.0	9.1	13.7#

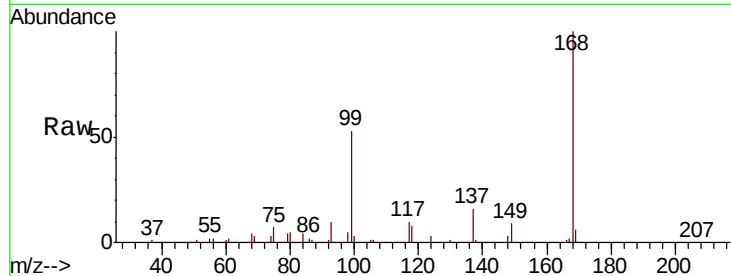




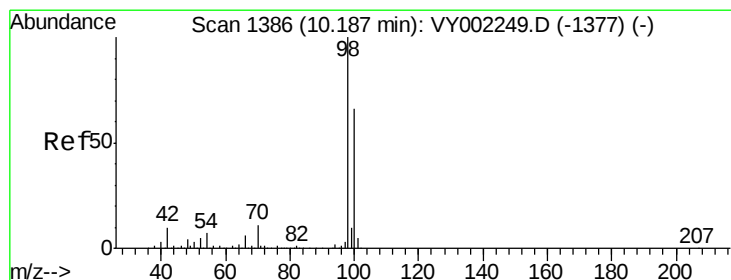
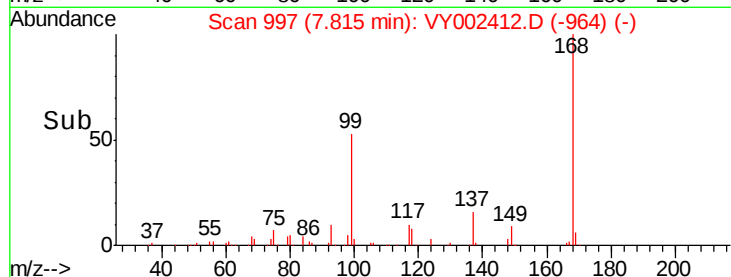
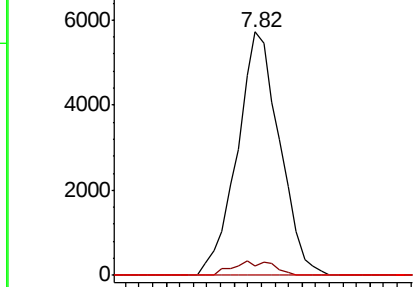
#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002412.D
Acq: 17 Apr 2020 20:03

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 12397
Ion Ratio Lower Upper
117 100
119 3.7 77.1 115.7#
121 0.0 23.9 35.9#

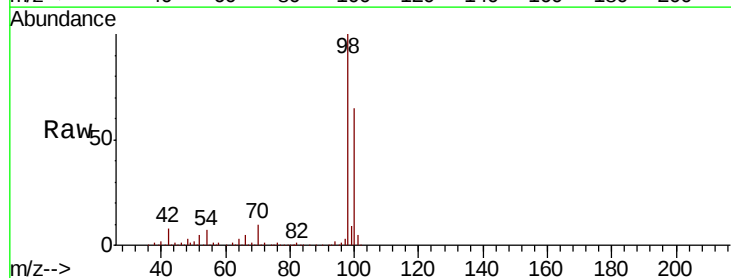


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

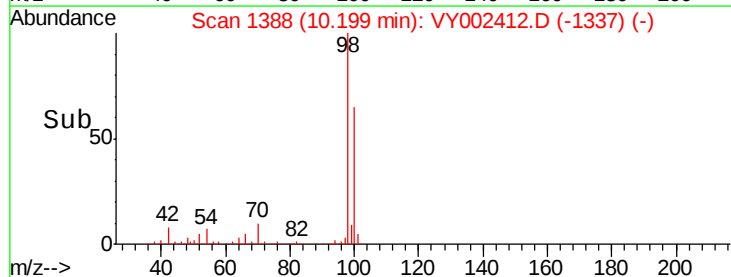
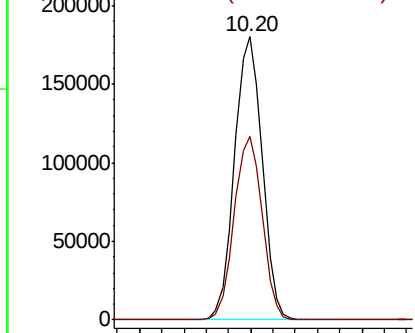


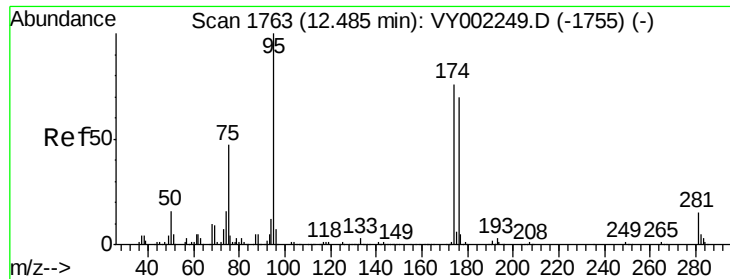
#50
Toluene-d8
Concen: 48.301 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002412.D
Acq: 17 Apr 2020 20:03

Tgt Ion: 98 Resp: 310535
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

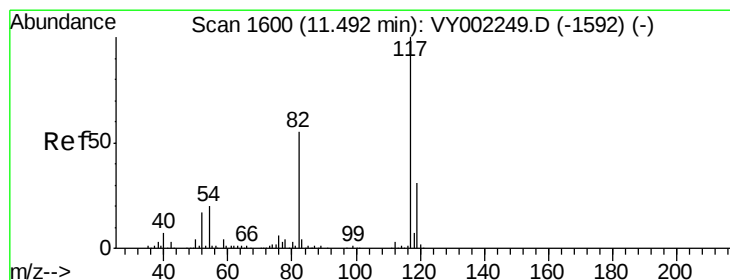
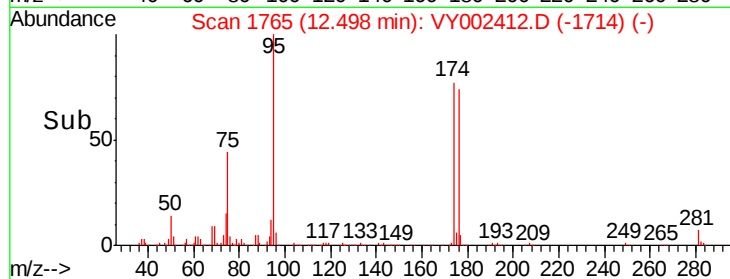
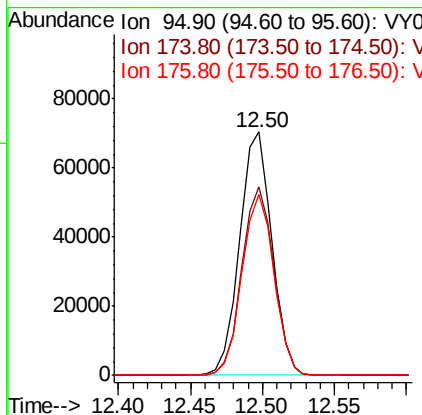
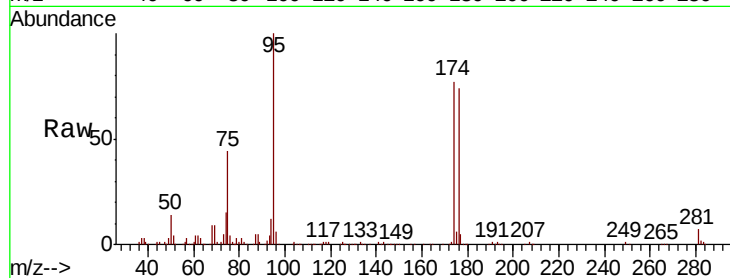




#62
4-Bromofluorobenzene
Concen: 51.381 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002412.D
Acq: 17 Apr 2020 20:03

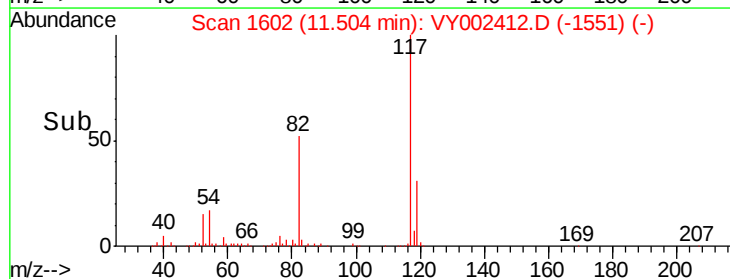
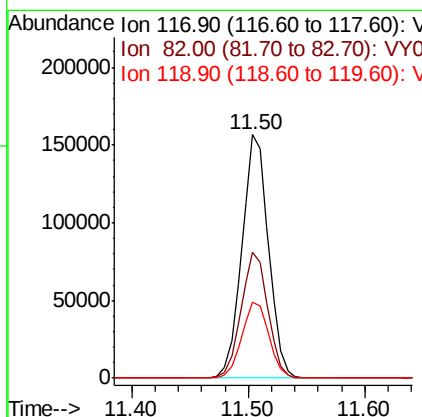
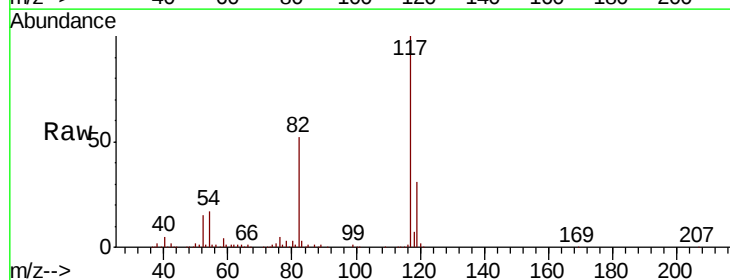
Instrument :
MSVOA_Y
ClientSampleId :

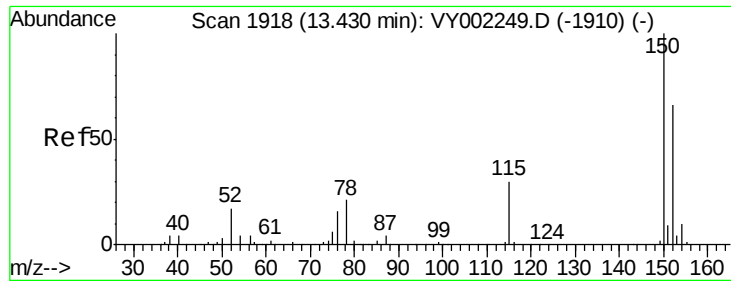
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	150.6
176	73.7	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002412.D
Acq: 17 Apr 2020 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	44.2	66.4
119	31.3	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

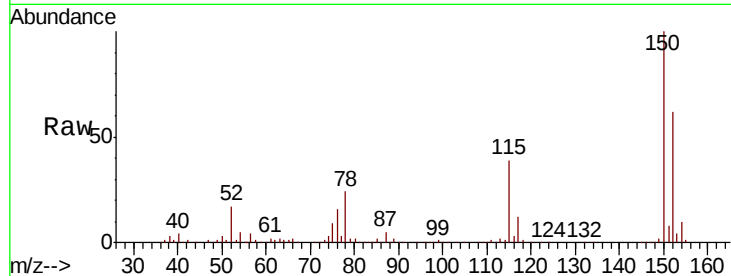
Tot Ion:152 Resp: 113997

Ion Ratio Lower Upper

152 100

115 59.5 30.7 92.1

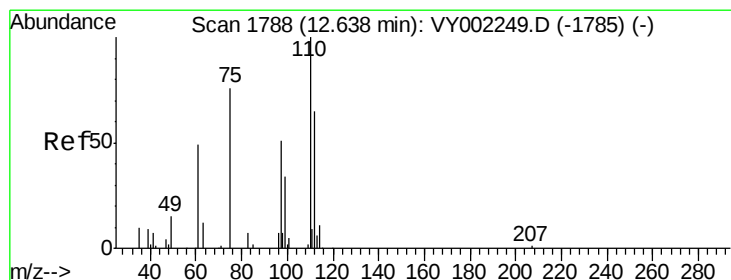
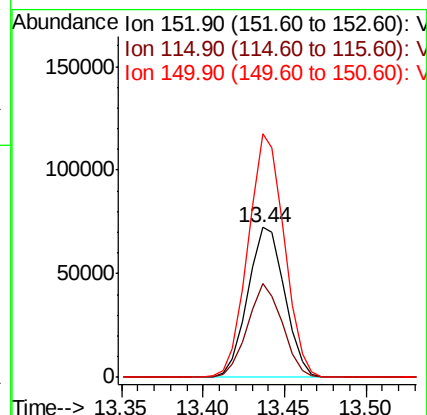
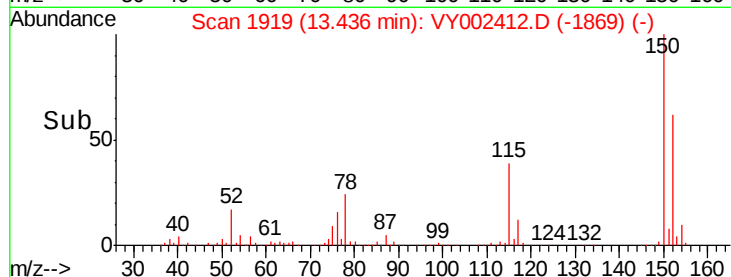
150 159.3 0.0 350.6



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: 37.355 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY002412.D

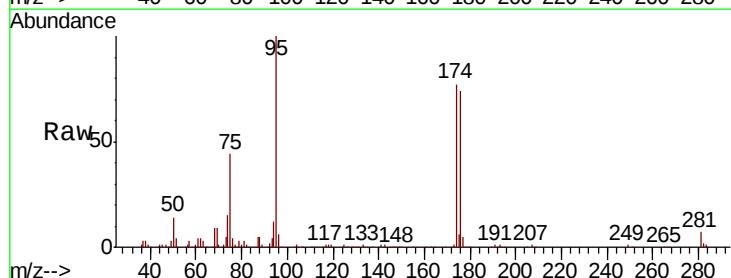
Acq: 17 Apr 2020 20:03

Tgt Ion: 75 Resp: 49449

Ion Ratio Lower Upper

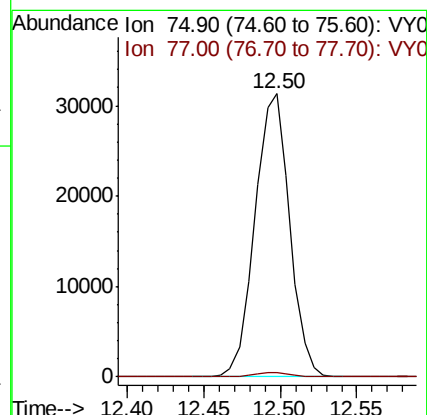
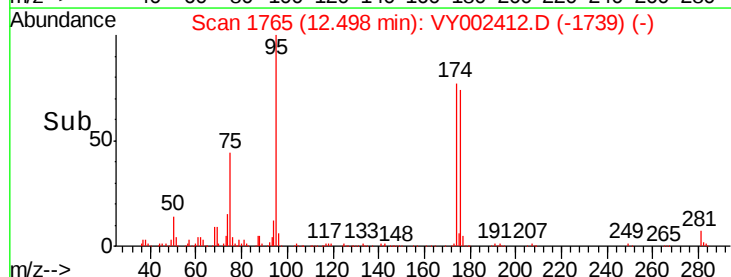
75 100

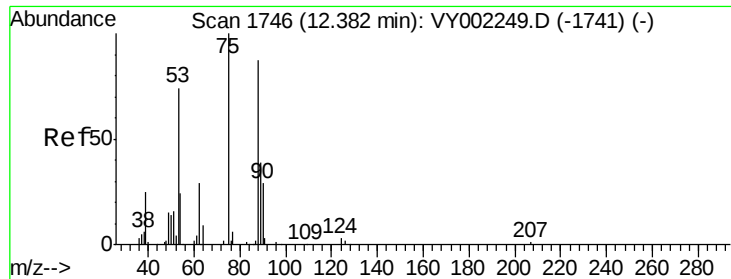
77 1.5 0.0 0.0#



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: 72.655 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.12 min

Lab File: VY002412.D

Acq: 17 Apr 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 49449

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.4 37.0 55.6#

