

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002404.D
 Acq On : 17 Apr 2020 17:04
 Operator : SY/MD
 Sample : L2271-11
 Misc : 6.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:39:13 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	122948	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	240099	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	229773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	103096	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	61358	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
35) Dibromofluoromethane	7.74	113	70110	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	10.19	98	289288	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.49	95	99524	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

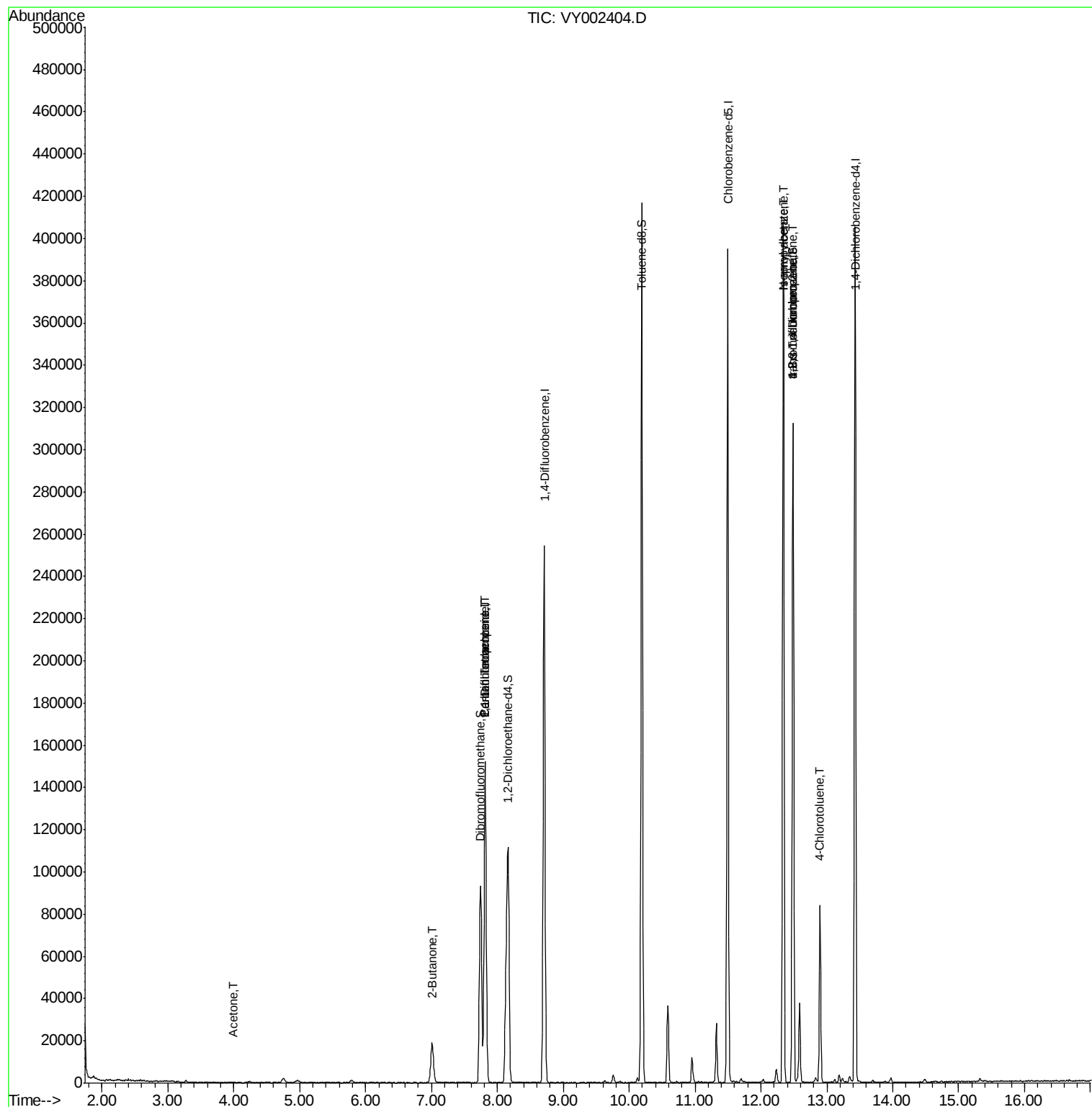
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1662	Below Cal	#	77
16) Acetone	3.99	43	432	1.200	ug/l #	87
25) 2-Butanone	7.01	43	663	1.163	ug/l #	46
36) 1,1-Dichloropropene	7.82	75	8939	3.780	ug/l #	50
38) Carbon Tetrachloride	7.82	117	11625	5.747	ug/l #	16
73) Isopropylbenzene	12.34	105	16161	1.995	ug/l #	58
74) N-amyl acetate	12.34	43	6937	3.017	ug/l #	10
76) 1,2,3-Trichloropropane	12.49	75	46005	38.428	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	46005	74.742	ug/l #	19
82) 4-Chlorotoluene	12.89	91	9713	1.693	ug/l #	41

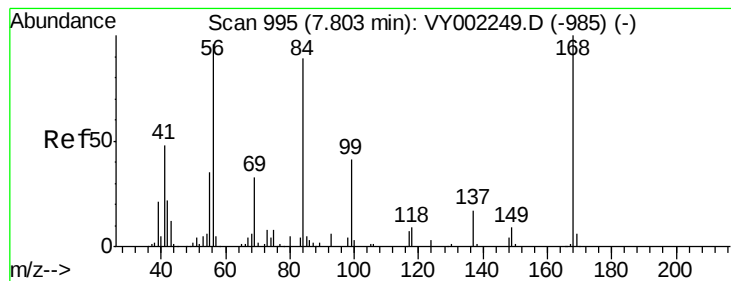
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002404.D

Acq: 17 Apr 2020 17:04

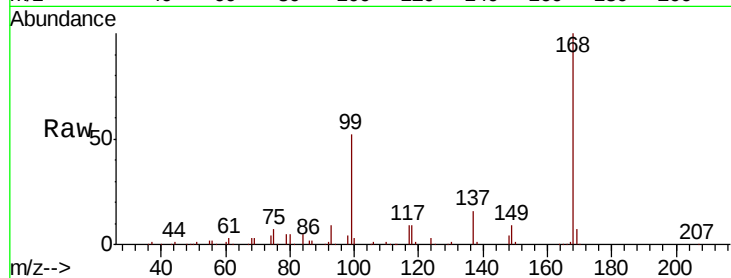
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 122948

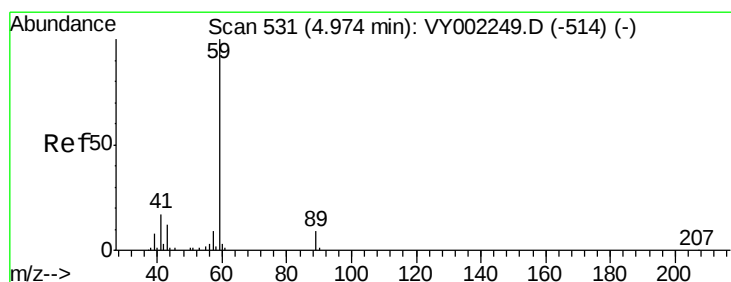
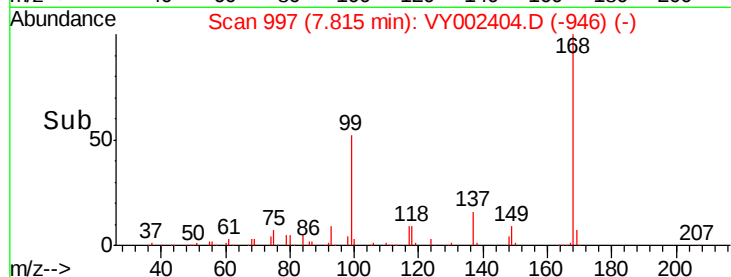
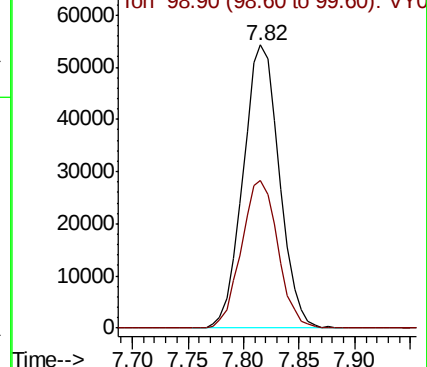
Ion Ratio Lower Upper

168 100

99 52.1 48.0 72.0



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002404.D

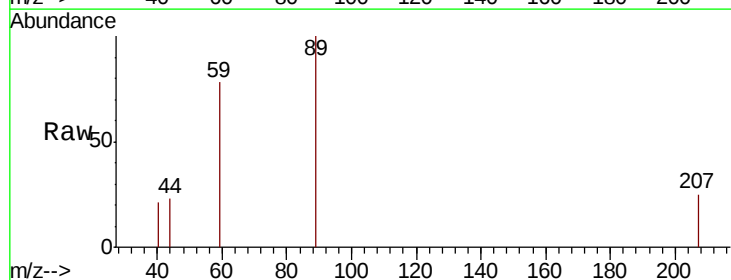
Acq: 17 Apr 2020 17:04

Tgt Ion: 59 Resp: 1662

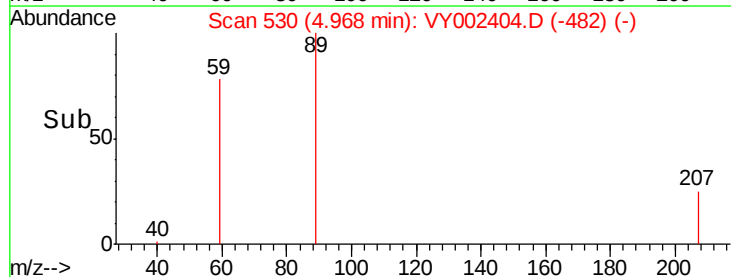
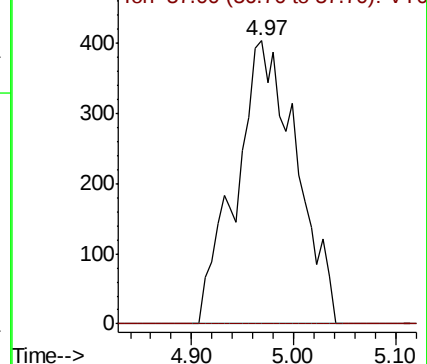
Ion Ratio Lower Upper

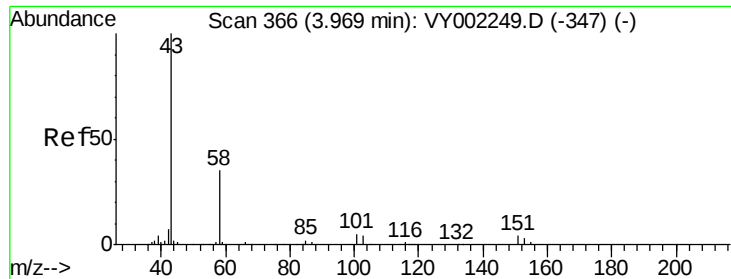
59 100

57 0.0 6.6 9.8#



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





#16

Acetone

Concen: 1.200 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002404.D

Acq: 17 Apr 2020 17:04

Instrument :

MSVOA_Y

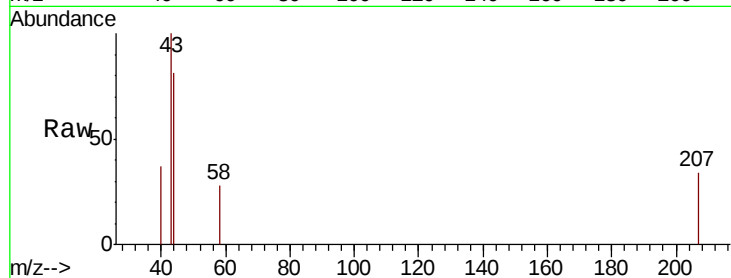
ClientSampleId :

Tot Ion: 43 Resp: 432

Ion Ratio Lower Upper

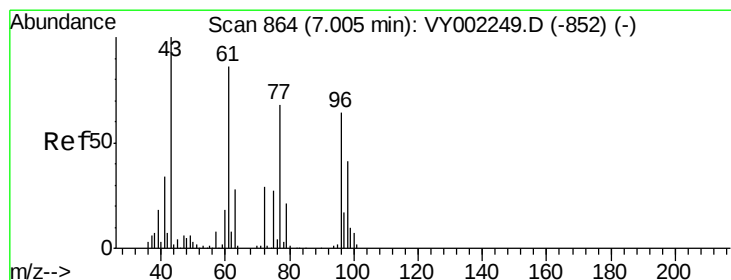
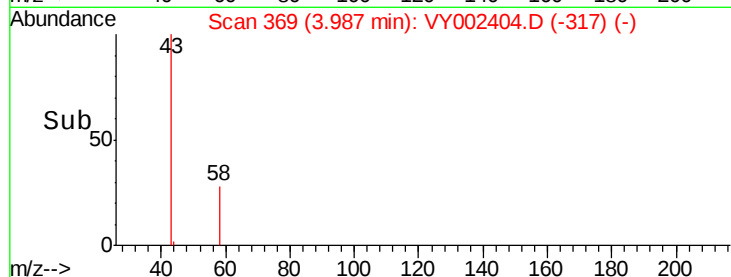
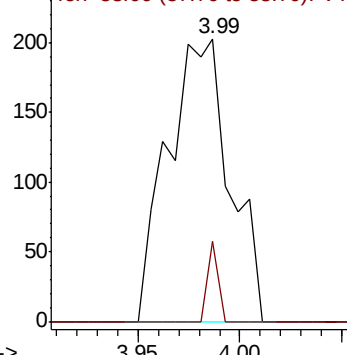
43 100

58 28.1 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 1.163 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002404.D

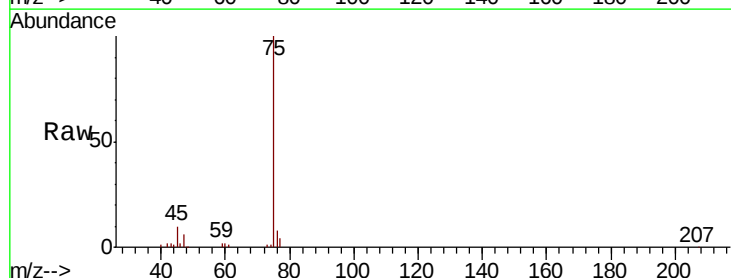
Acq: 17 Apr 2020 17:04

Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

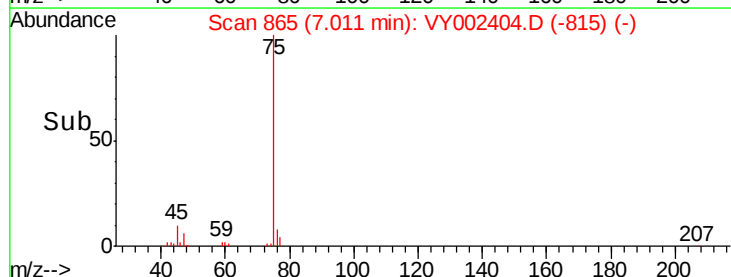
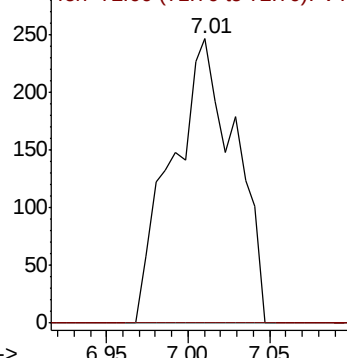
43 100

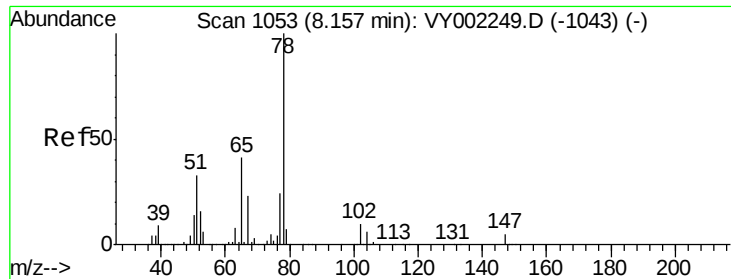
72 0.0 23.2 34.8#



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: 44.876 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002404.D

Acq: 17 Apr 2020 17:04

Instrument :

MSVOA_Y

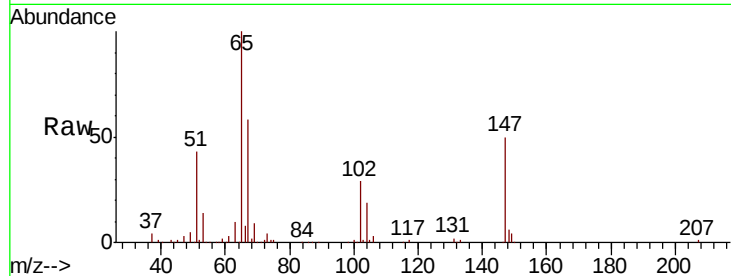
ClientSampleId :

Tot Ion: 65 Resp: 61358

Ion Ratio Lower Upper

65 100

67 60.2 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

30000

25000

20000

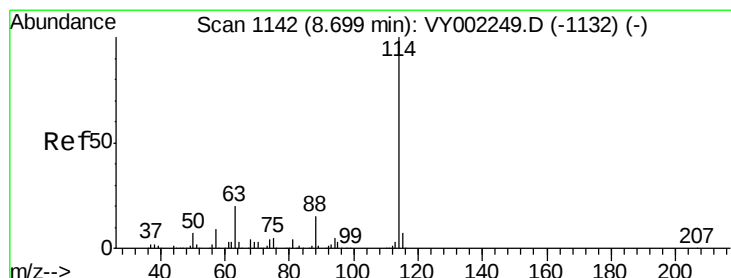
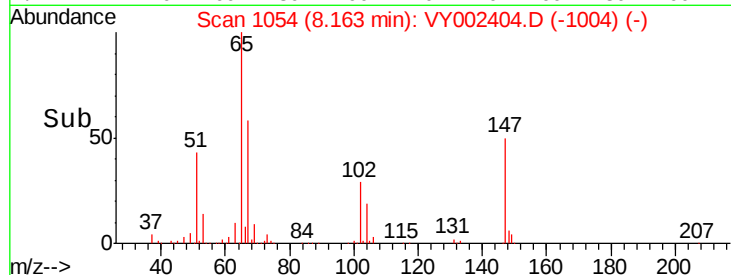
15000

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002404.D

Acq: 17 Apr 2020 17:04

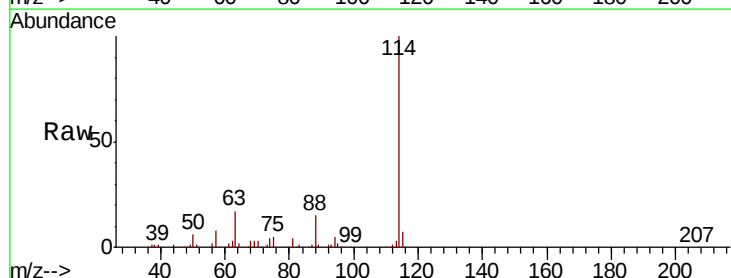
Tgt Ion: 114 Resp: 240099

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.0

88 14.9 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

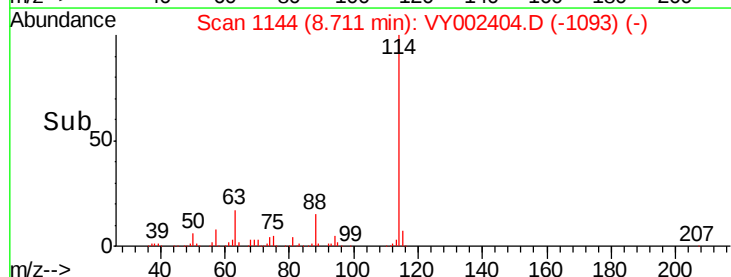
150000

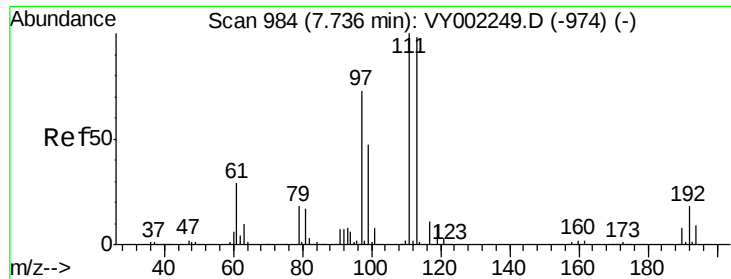
100000

50000

0

Time-->

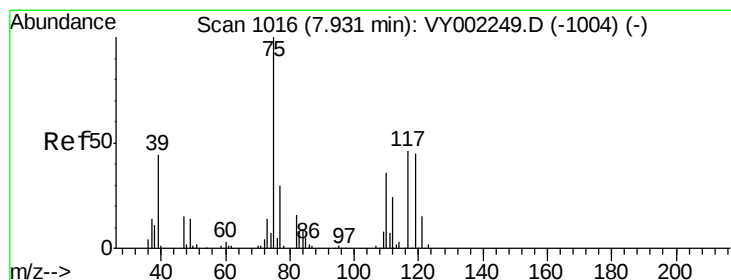
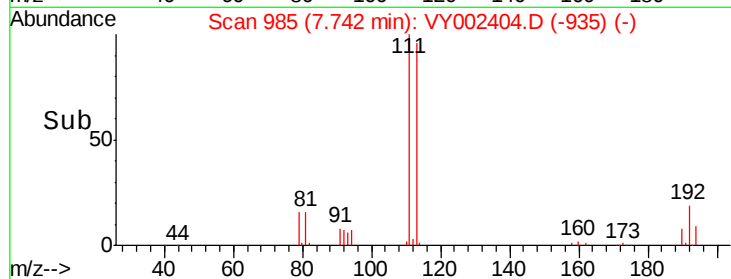
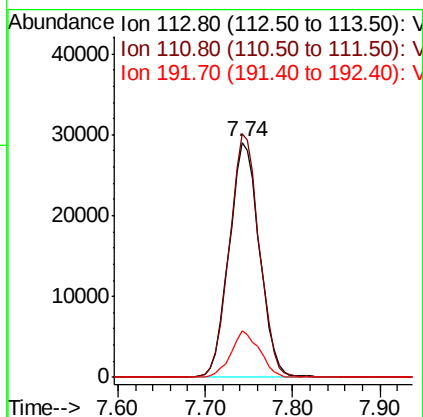
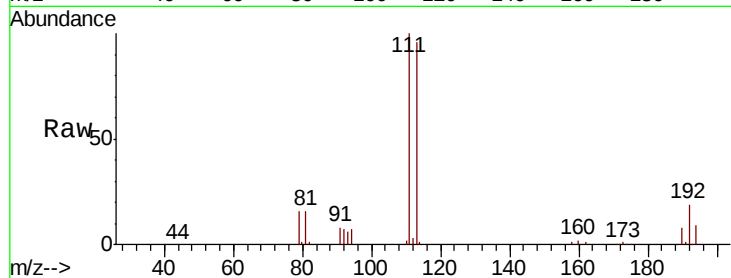




#35
 Dibromofluoromethane
 Concen: 49.074 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002404.D
 Acq: 17 Apr 2020 17:04

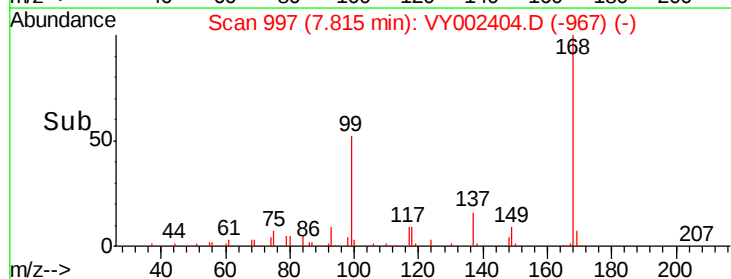
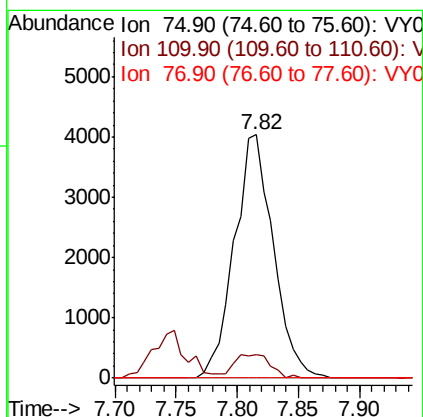
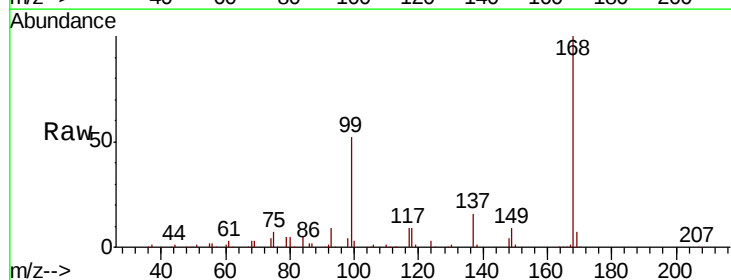
Instrument :
 MSVOA_Y
 ClientSampleId :

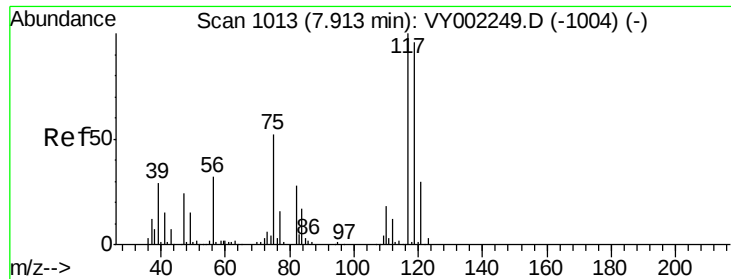
Tot Ion:113 Resp: 70110
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.5 125.3
 192 18.6 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 3.780 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002404.D
 Acq: 17 Apr 2020 17:04

Tgt Ion: 75 Resp: 8939
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.8 53.3#
 77 0.0 24.4 36.6#

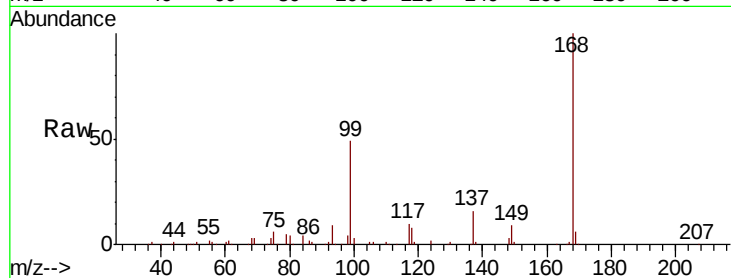




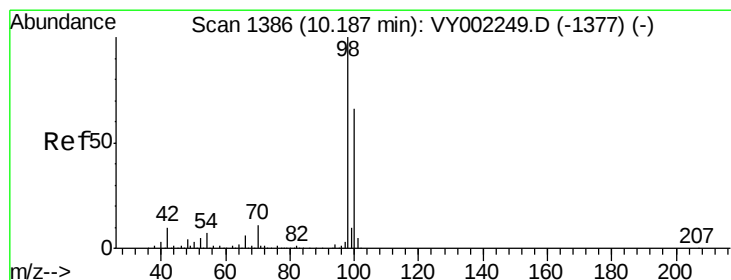
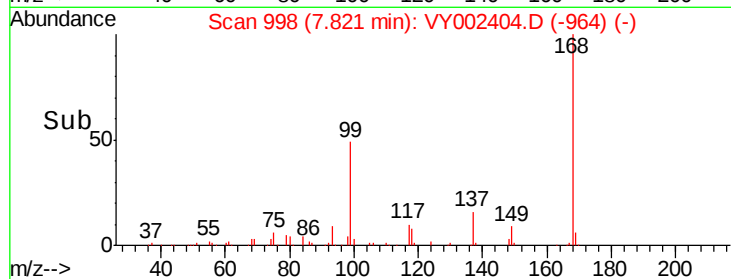
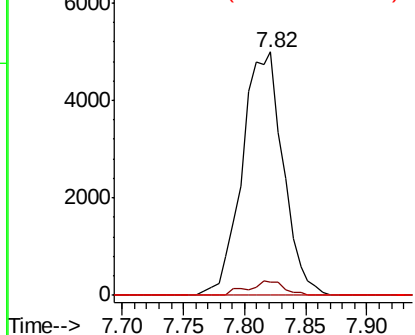
#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.09 min
Lab File: VY002404.D
Acq: 17 Apr 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 11625
Ion Ratio Lower Upper
117 100
119 5.2 77.1 115.7#
121 0.0 23.9 35.9#

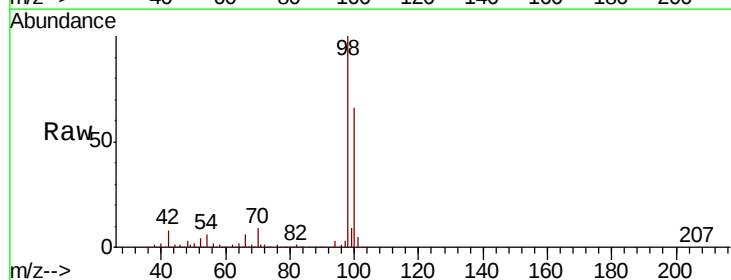


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

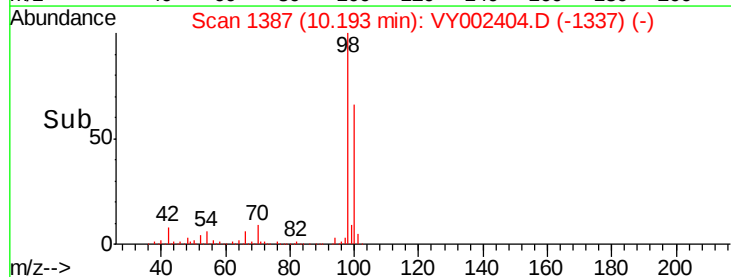
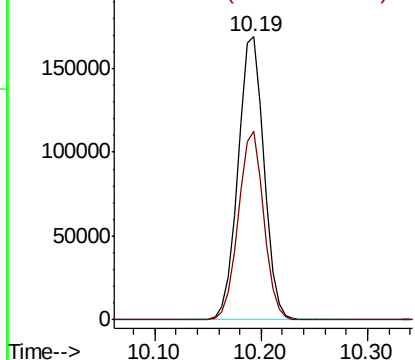


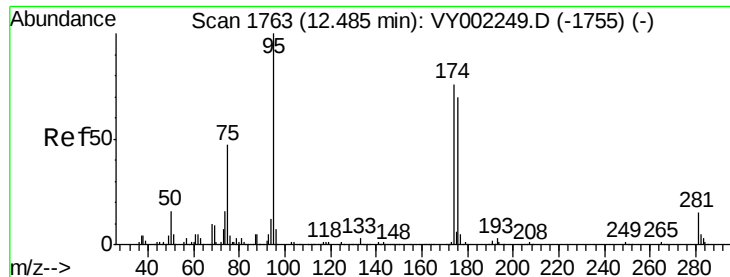
#50
Toluene-d8
Concen: 48.377 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002404.D
Acq: 17 Apr 2020 17:04

Tgt Ion: 98 Resp: 289288
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



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

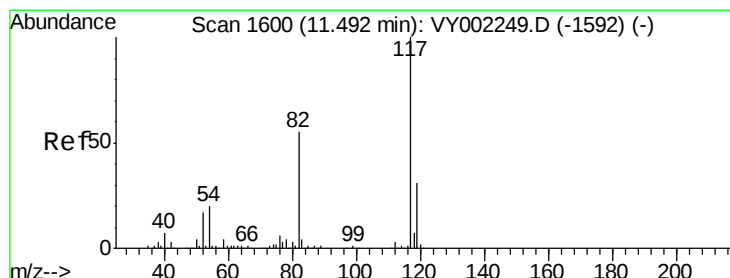
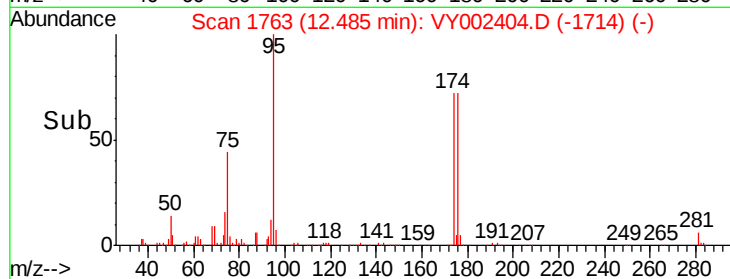
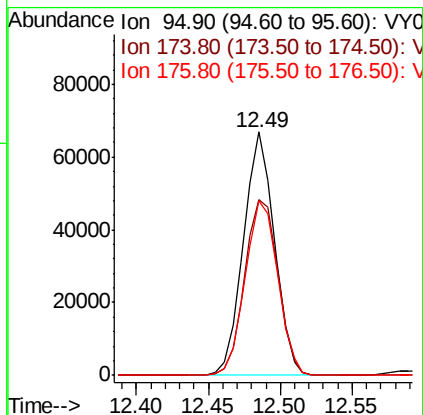
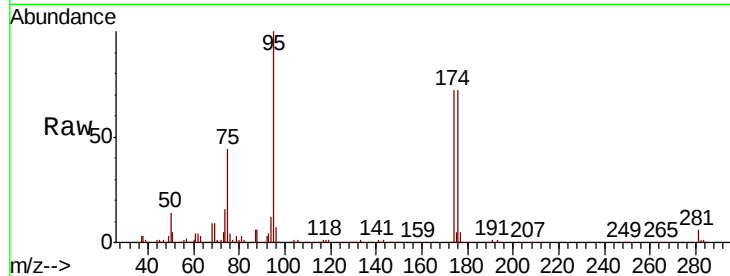




#62
4-Bromofluorobenzene
Concen: 50.447 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002404.D
Acq: 17 Apr 2020 17:04

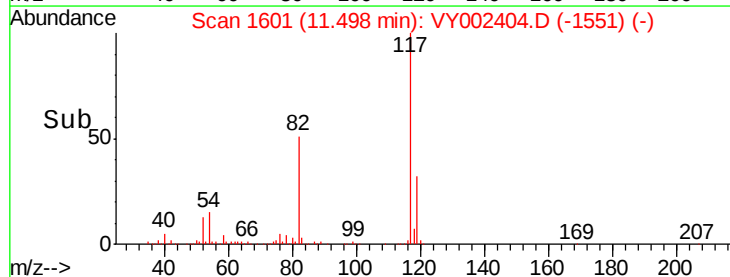
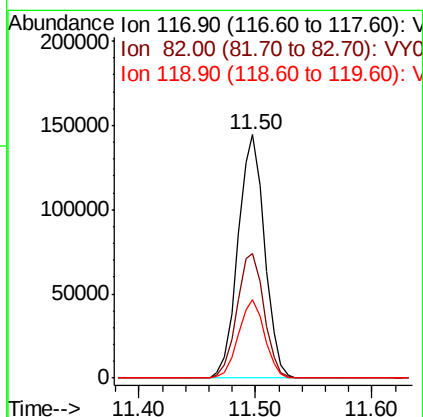
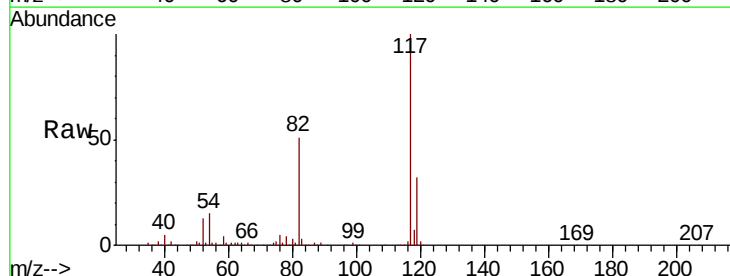
Instrument :
MSVOA_Y
ClientSampleId :

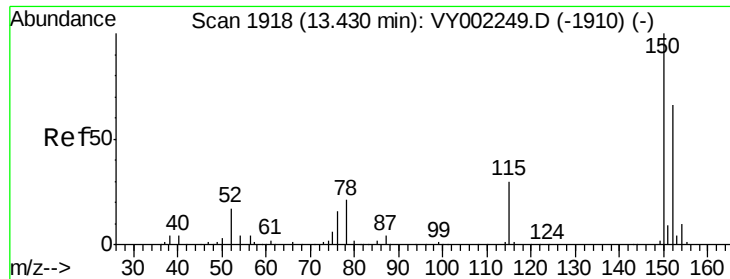
Tot Ion: 95 Resp: 99524
Ion Ratio Lower Upper
95 100
174 77.9 0.0 150.6
176 75.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002404.D
Acq: 17 Apr 2020 17:04

Tgt Ion: 117 Resp: 229773
Ion Ratio Lower Upper
117 100
82 51.1 44.2 66.4
119 32.3 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002404.D

Acq: 17 Apr 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

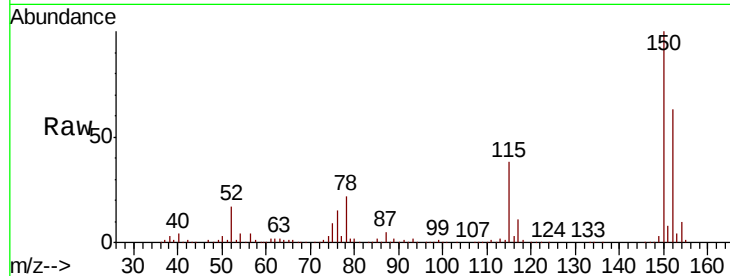
Tot Ion:152 Resp: 103096

Ion Ratio Lower Upper

152 100

115 59.0 30.7 92.1

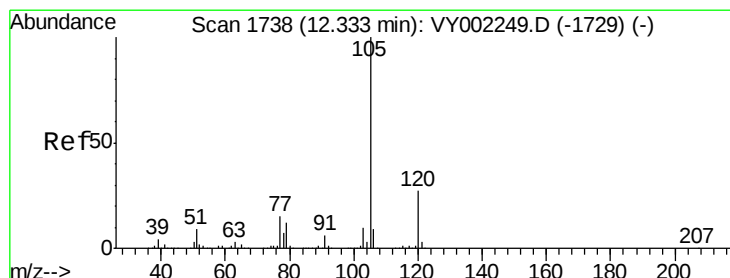
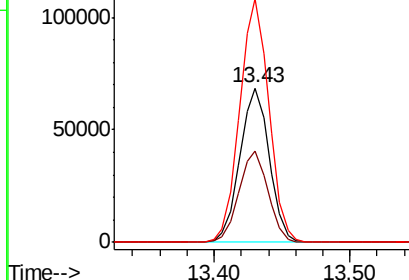
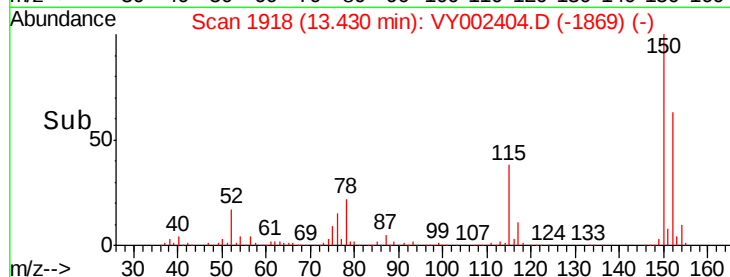
150 156.7 0.0 350.6



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



#73

Isopropylbenzene

Concen: 1.995 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY002404.D

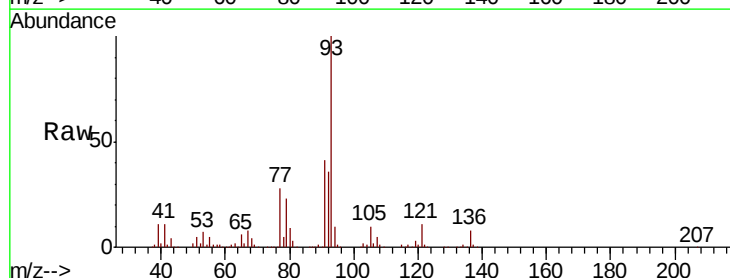
Acq: 17 Apr 2020 17:04

Tgt Ion:105 Resp: 16161

Ion Ratio Lower Upper

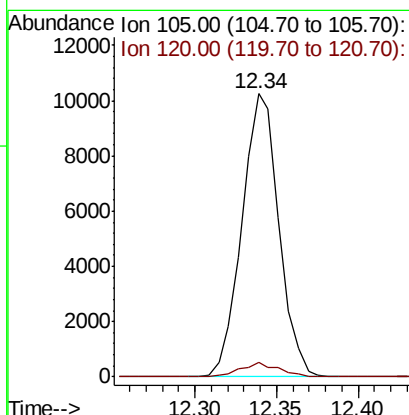
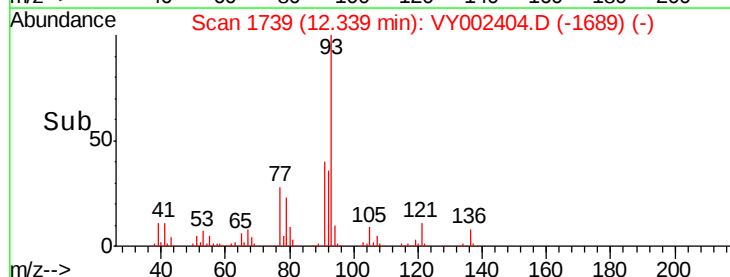
105 100

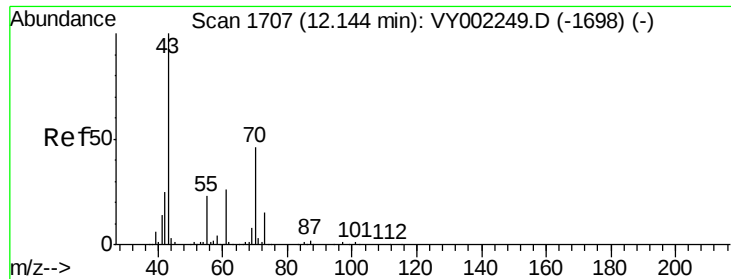
120 5.1 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.017 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.20 min

Lab File: VY002404.D

Acq: 17 Apr 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 6937

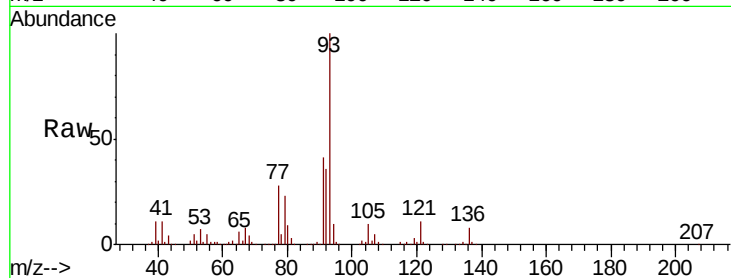
Ion Ratio Lower Upper

43 100

70 2.1 37.5 56.3#

55 113.9 19.0 28.6#

61 2.0 21.6 32.4#

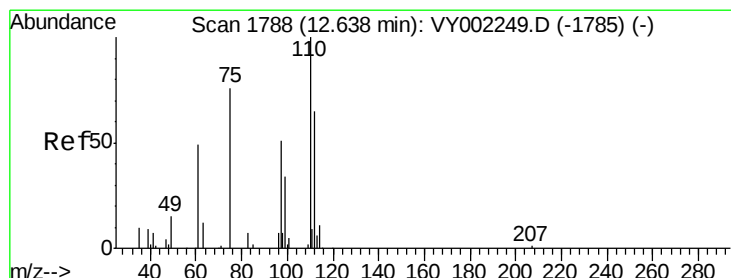
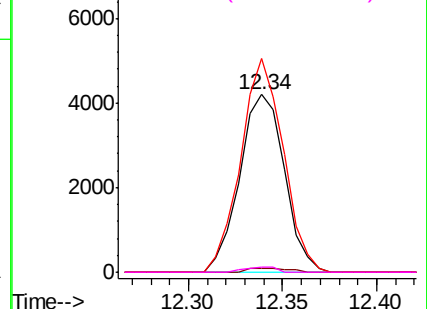
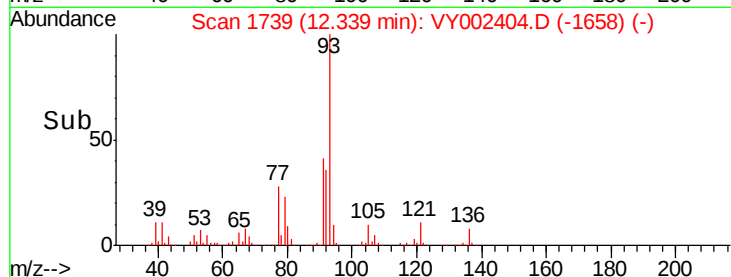


Abundance Ion 43.00 (42.70 to 43.70): VY0

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



#76

1,2,3-Trichloropropane

Concen: 38.428 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002404.D

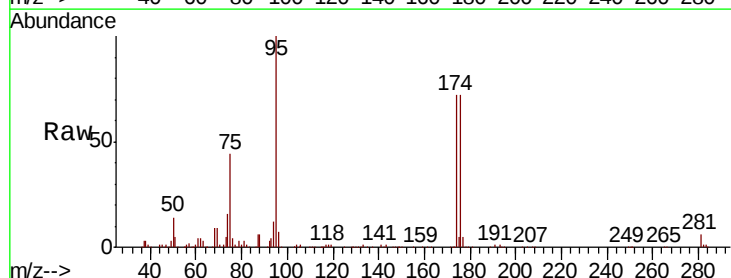
Acq: 17 Apr 2020 17:04

Tgt Ion: 75 Resp: 46005

Ion Ratio Lower Upper

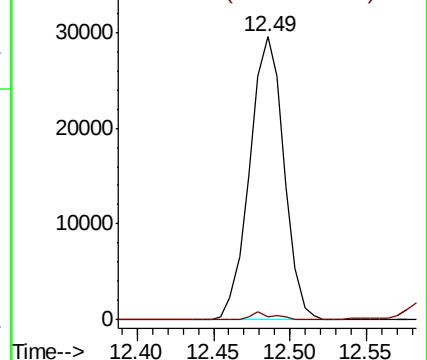
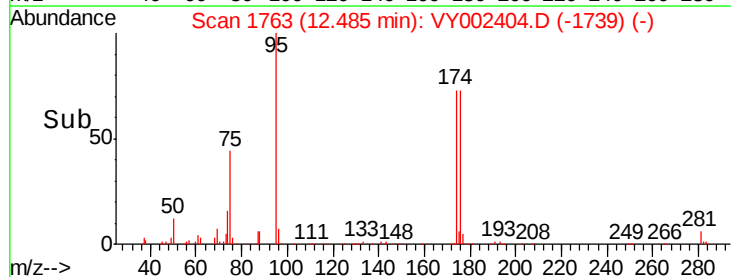
75 100

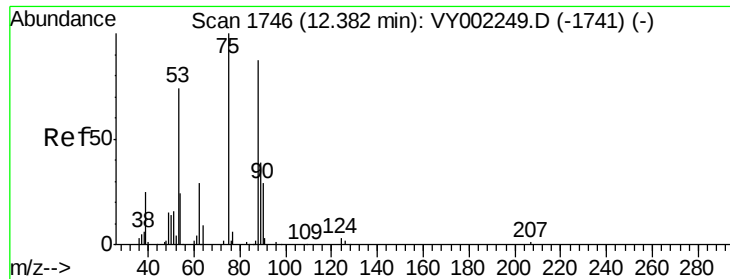
77 2.0 0.0 0.0#



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: 74.742 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002404.D

Acq: 17 Apr 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

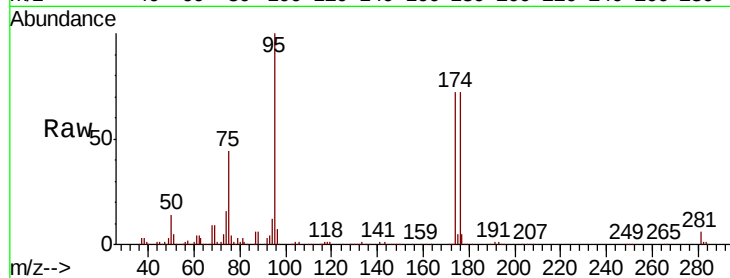
Tot Ion: 75 Resp: 46005

Ion Ratio Lower Upper

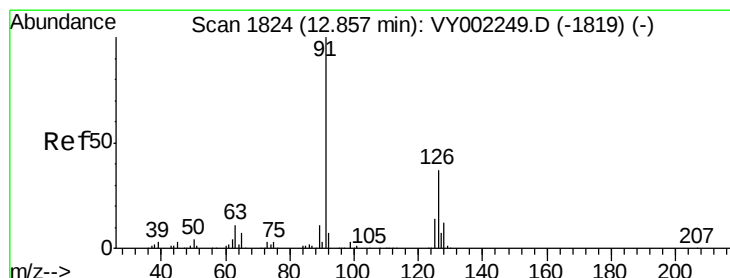
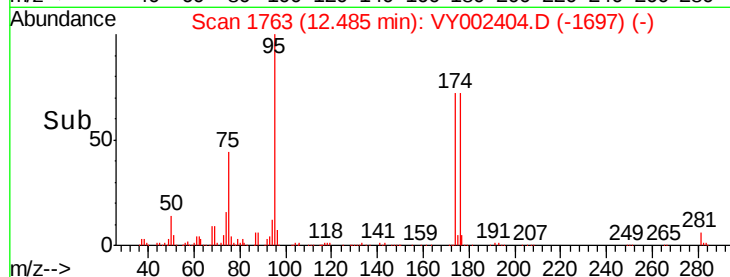
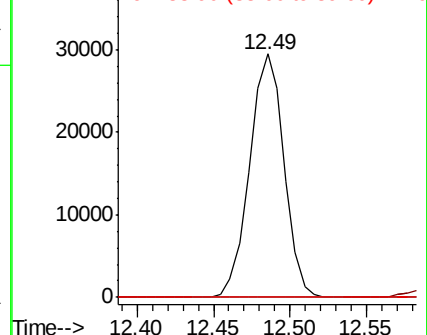
75 100

53 0.0 59.8 89.8#

89 0.0 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 1.693 ug/l

RT: 12.89 min Scan# 1830

Delta R.T. 0.04 min

Lab File: VY002404.D

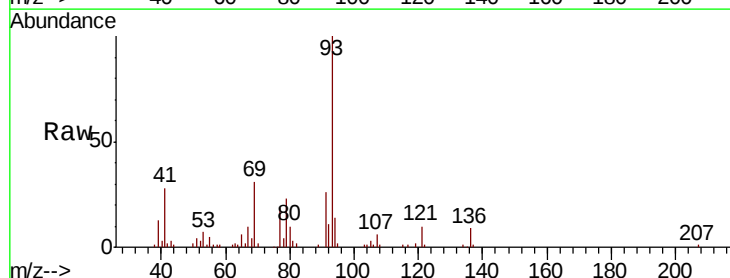
Acq: 17 Apr 2020 17:04

Tgt Ion: 91 Resp: 9713

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

