

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002406.D
 Acq On : 17 Apr 2020 17:49
 Operator : SY/MD
 Sample : L2271-13
 Misc : 4.29G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:39:36 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	86144	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	165787	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	150053	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	61184	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	43347	45.25	ug/l	0.01
Spiked Amount			Recovery	=	90.50%	
35) Dibromofluoromethane	7.74	113	48473	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.19	98	196085	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.49	95	61614	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

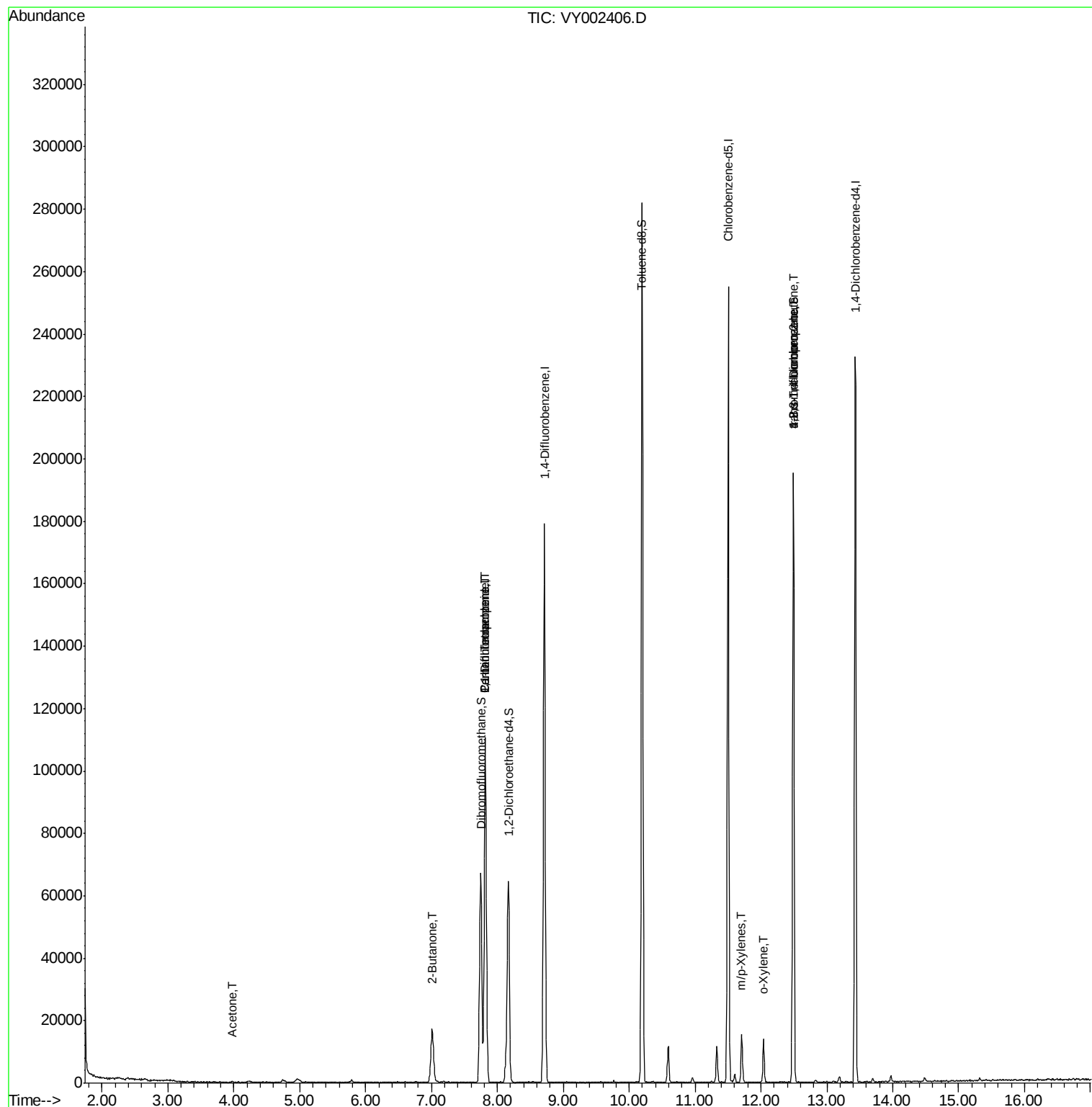
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	965	Below Cal	#	77
16) Acetone	3.98	43	361	1.431	ug/l #	39
25) 2-Butanone	7.02	43	816	2.044	ug/l #	46
36) 1,1-Dichloropropene	7.82	75	6431	3.938	ug/l #	50
38) Carbon Tetrachloride	7.82	117	8768	6.277	ug/l #	16
68) m/p-Xylenes	11.70	106	4795	2.242	ug/l	98
69) o-Xylene	12.03	106	3741	1.863	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	28640	40.311	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	28640	78.404	ug/l #	19

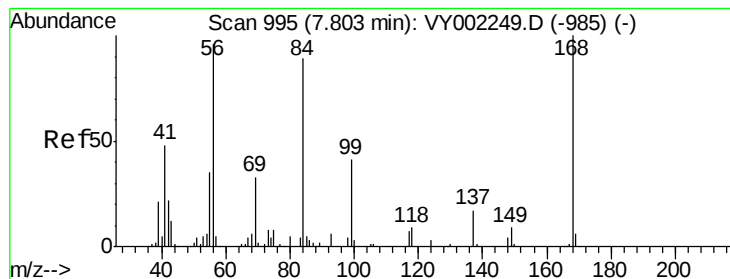
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002406.D

Acq: 17 Apr 2020 17:49

Instrument :

MSVOA_Y

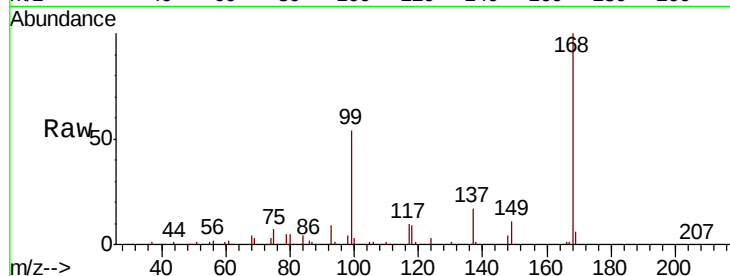
ClientSampled :

Tot Ion:168 Resp: 86144

Ion Ratio Lower Upper

168 100

99 54.2 48.0 72.0



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

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.82

40000

30000

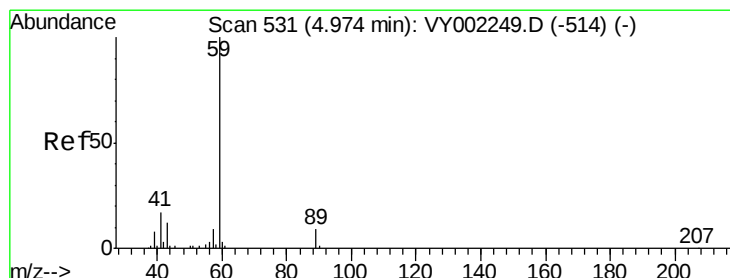
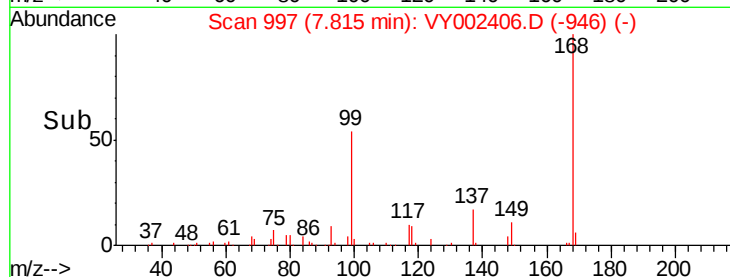
20000

10000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.00 min

Lab File: VY002406.D

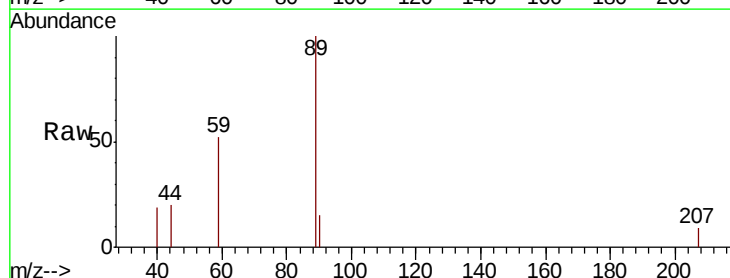
Acq: 17 Apr 2020 17:49

Tgt Ion: 59 Resp: 965

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) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.97

300

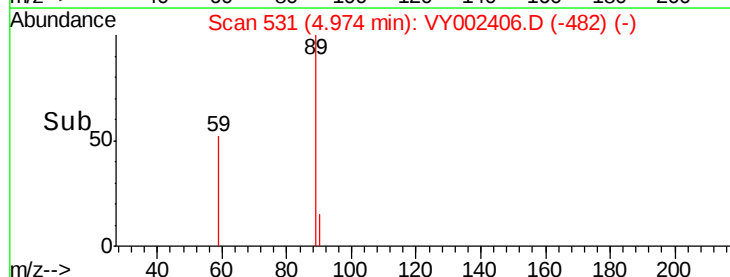
200

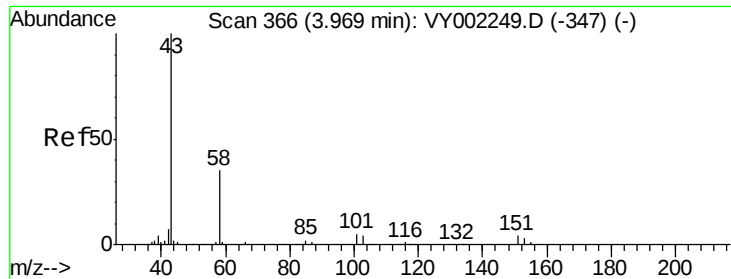
100

0

Time-->

4.95 5.00 5.05





#16

Acetone

Concen: 1.431 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002406.D

Acq: 17 Apr 2020 17:49

Instrument :

MSVOA_Y

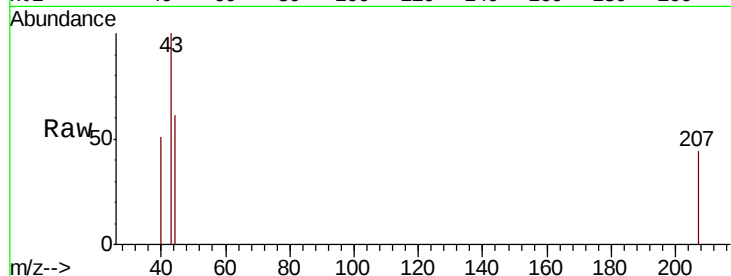
ClientSampleId :

Tot Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

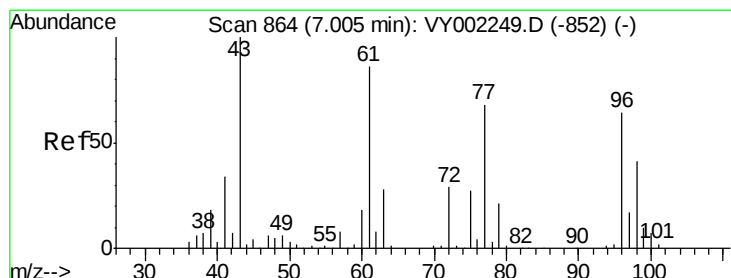
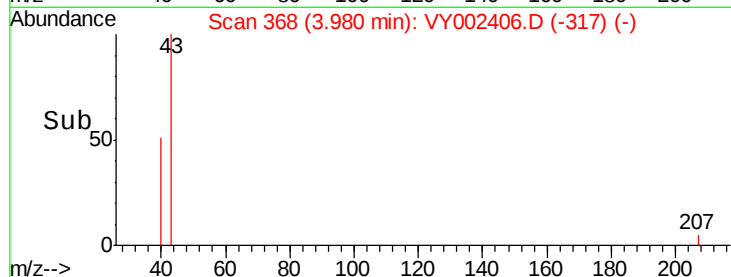
150

100

50

0

Time-->



#25

2-Butanone

Concen: 2.044 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002406.D

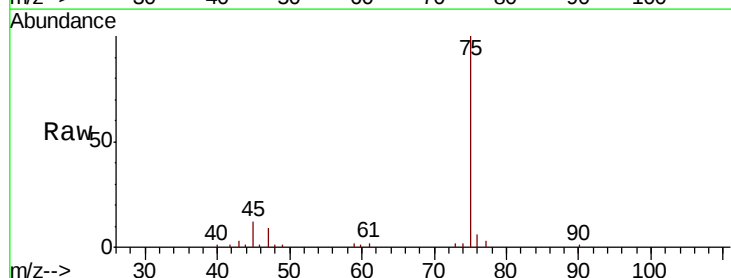
Acq: 17 Apr 2020 17:49

Tgt Ion: 43 Resp: 816

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

7.02

400

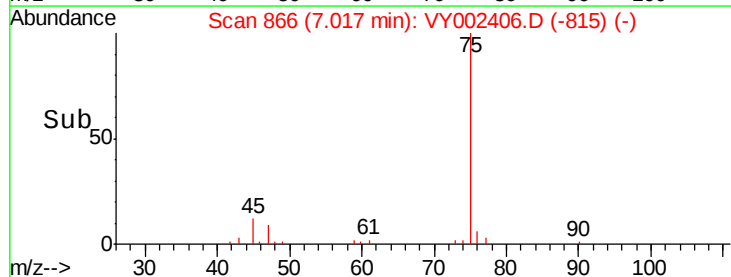
300

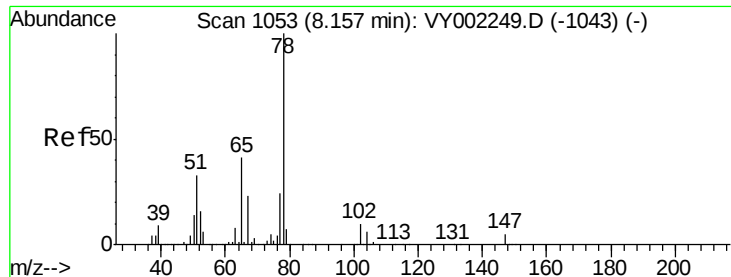
200

100

0

Time-->

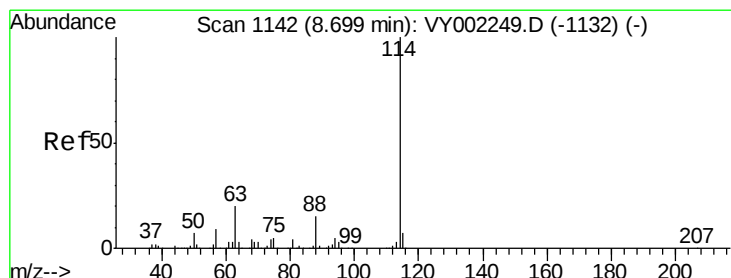
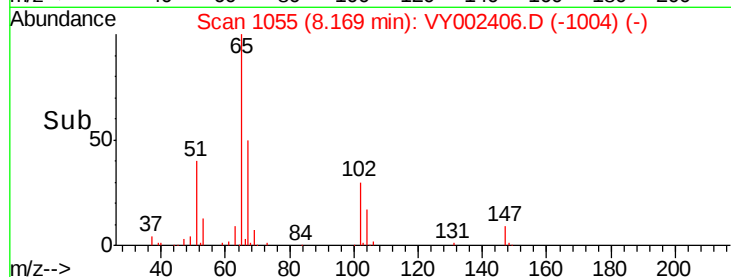
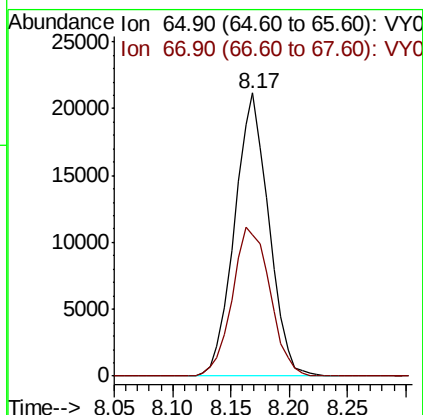
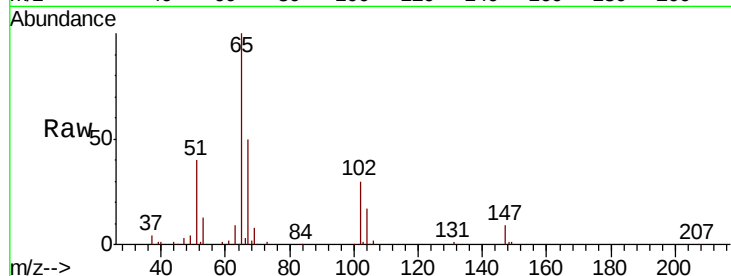




#33
 1,2-Dichloroethane-d4
 Concen: 45.248 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002406.D
 Acq: 17 Apr 2020 17:49

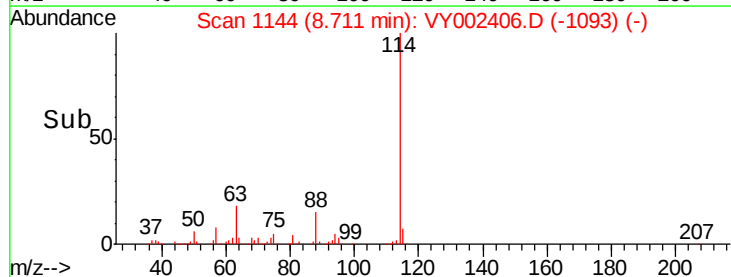
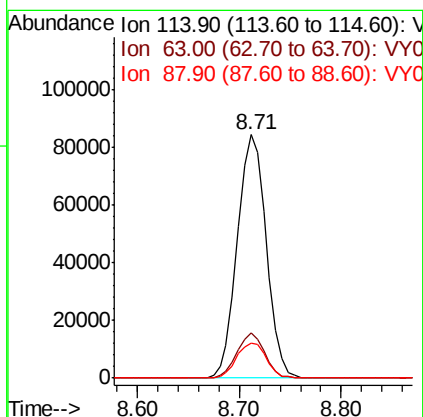
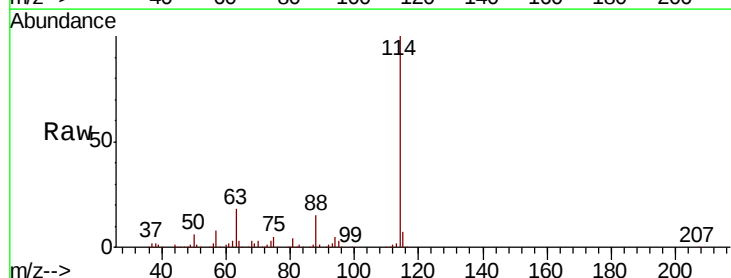
Instrument :
 MSVOA_Y
 ClientSampleId :

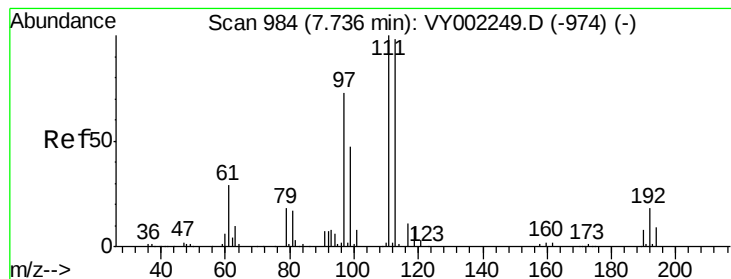
Tot Ion: 65 Resp: 43347
 Ion Ratio Lower Upper
 65 100
 67 58.3 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002406.D
 Acq: 17 Apr 2020 17:49

Tgt Ion: 114 Resp: 165787
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.0
 88 14.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.137 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002406.D

Acq: 17 Apr 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :

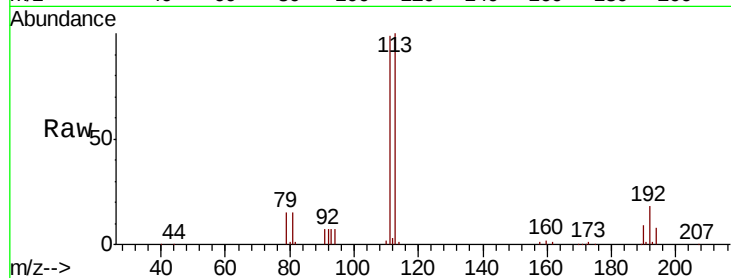
Tot Ion:113 Resp: 48473

Ion Ratio Lower Upper

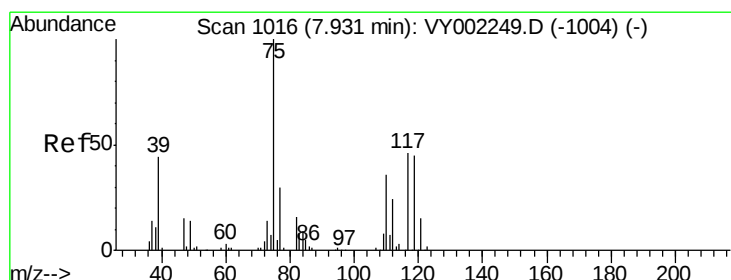
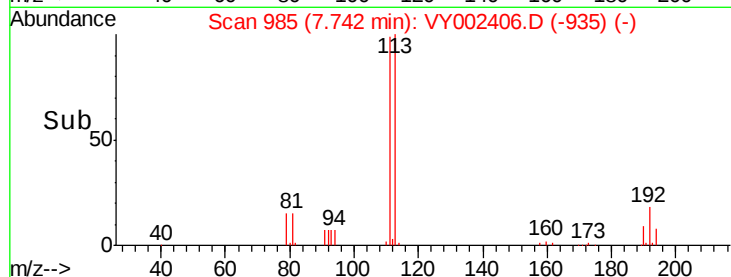
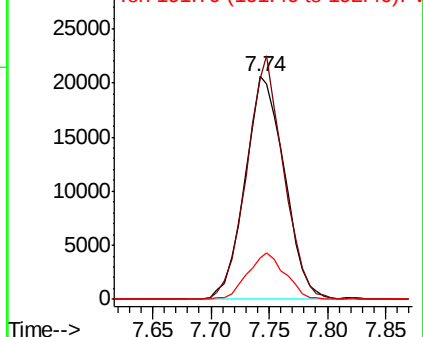
113 100

111 102.0 83.5 125.3

192 19.7 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: 3.938 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002406.D

Acq: 17 Apr 2020 17:49

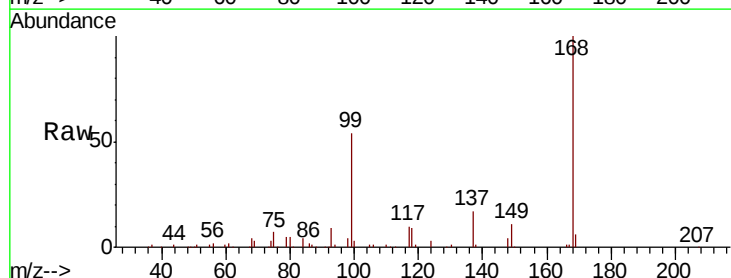
Tgt Ion: 75 Resp: 6431

Ion Ratio Lower Upper

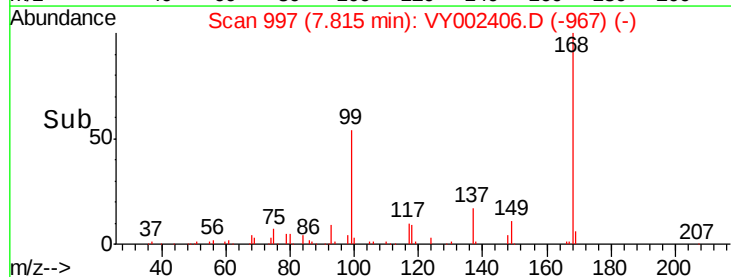
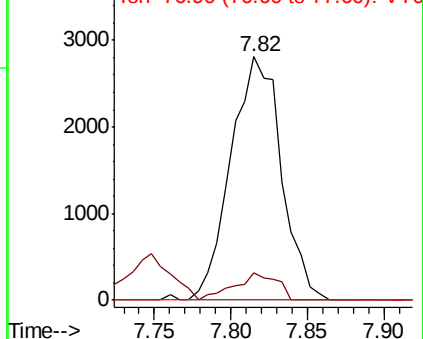
75 100

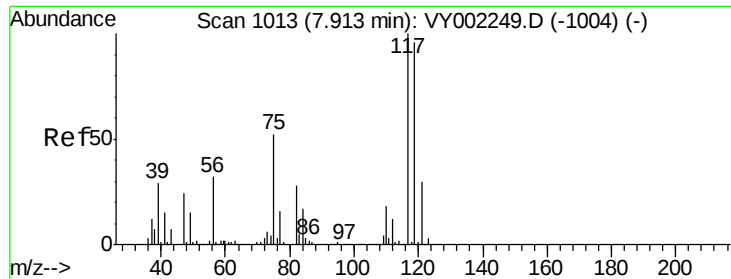
110 9.4 17.8 53.3#

77 0.0 24.4 36.6#



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

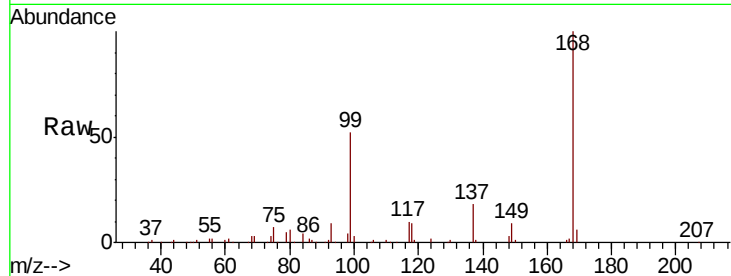




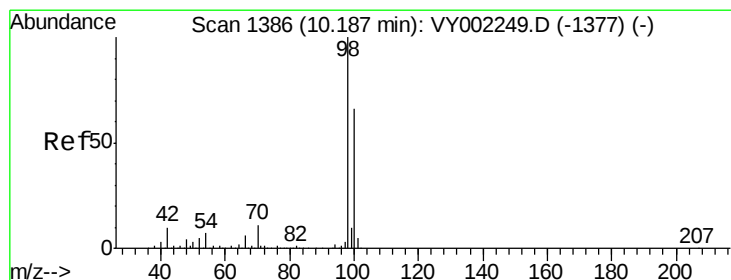
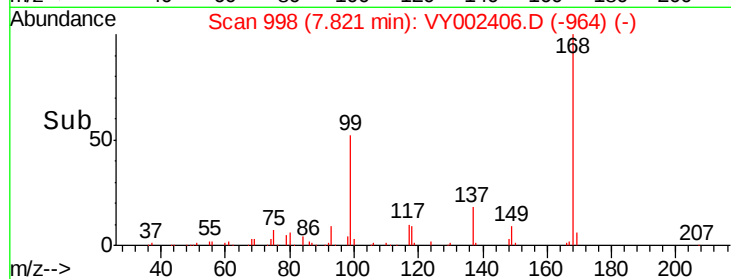
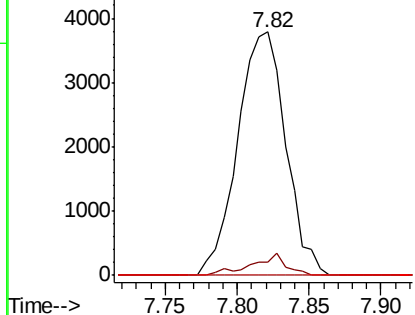
#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.09 min
Lab File: VY002406.D
Acq: 17 Apr 2020 17:49

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 8768
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 23.9 35.9#

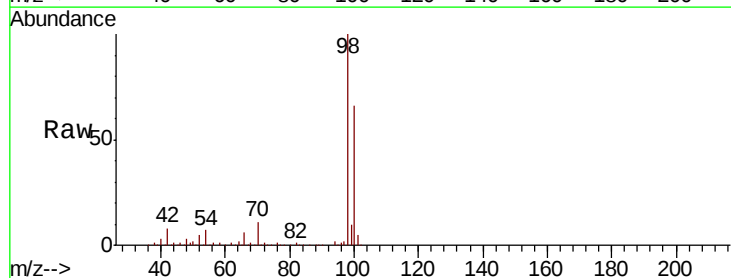


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

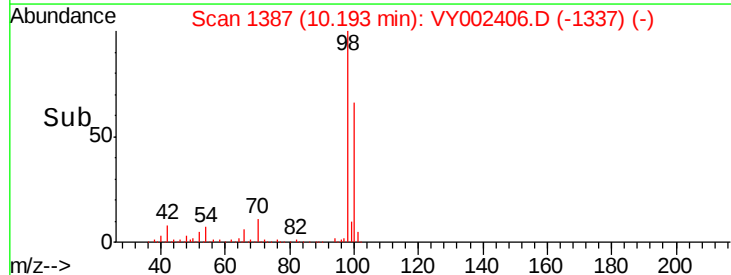
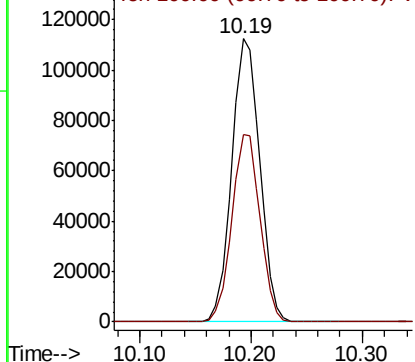


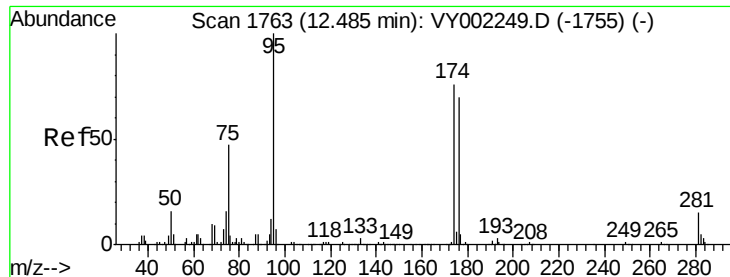
#50
Toluene-d8
Concen: 47.489 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002406.D
Acq: 17 Apr 2020 17:49

Tgt Ion: 98 Resp: 196085
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



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

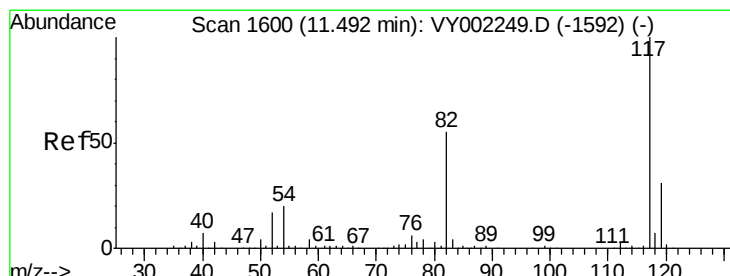
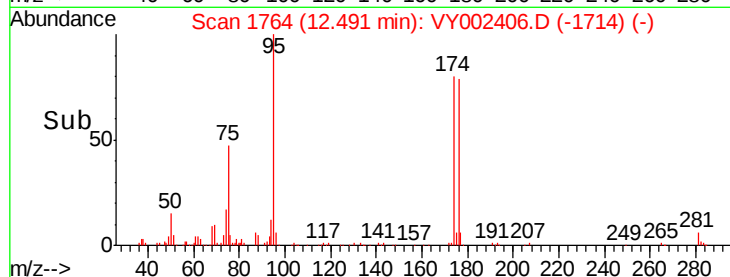
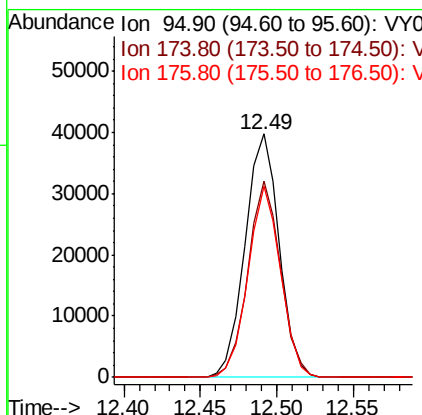
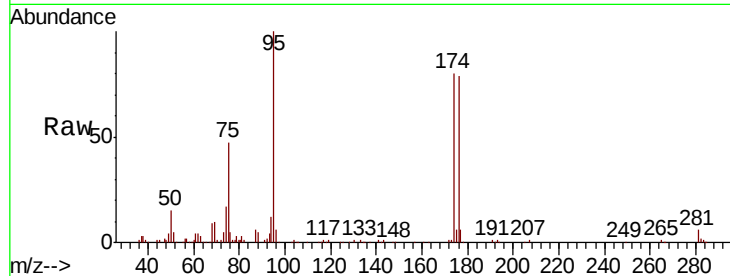




#62
4-Bromofluorobenzene
Concen: 45.230 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002406.D
Acq: 17 Apr 2020 17:49

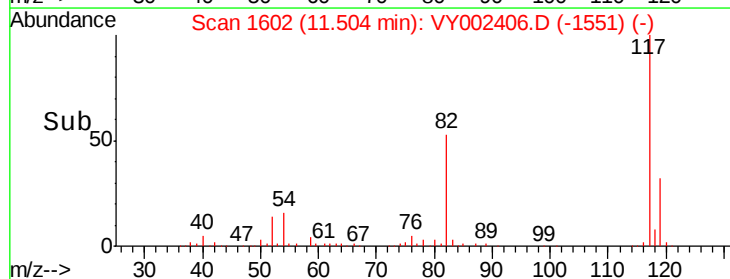
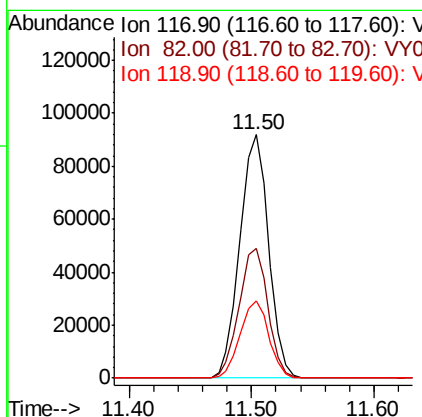
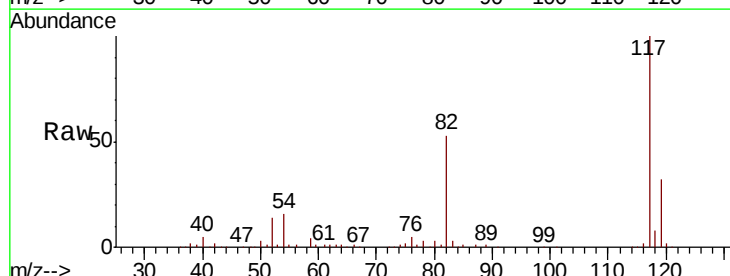
Instrument :
MSVOA_Y
ClientSampled :

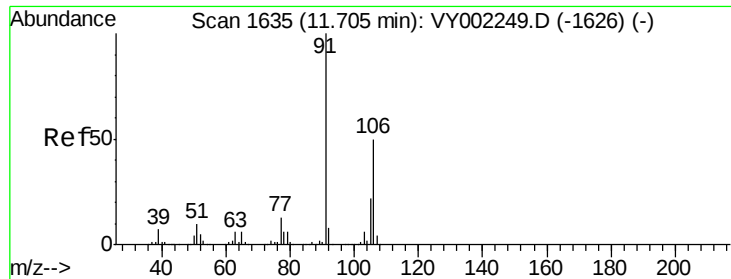
Tot Ion: 95 Resp: 61614
Ion Ratio Lower Upper
95 100
174 77.5 0.0 150.6
176 74.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002406.D
Acq: 17 Apr 2020 17:49

Tgt Ion: 117 Resp: 150053
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.4
119 31.8 25.1 37.7





#68

m/p-Xylenes

Concen: 2.242 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY002406.D

Acq: 17 Apr 2020 17:49

Instrument :

MSVOA_Y

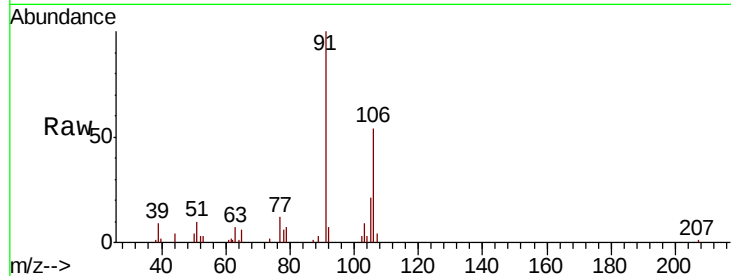
ClientSampleId :

Tot Ion:106 Resp: 4795

Ion Ratio Lower Upper

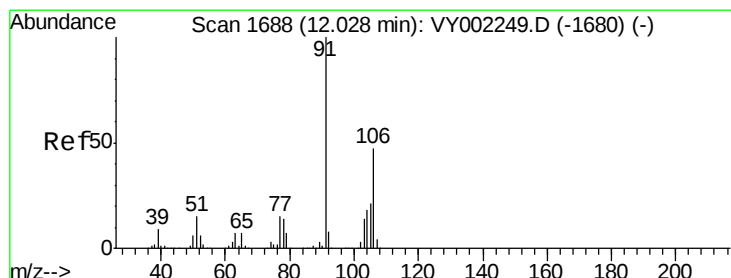
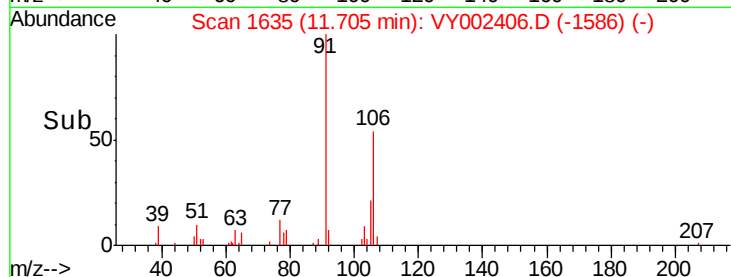
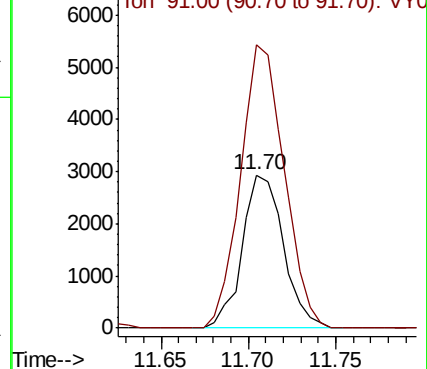
106 100

91 196.6 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 1.863 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VY002406.D

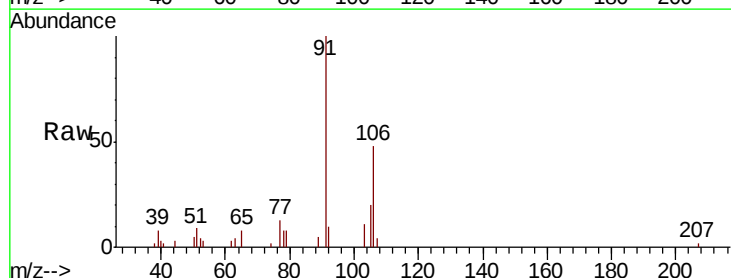
Acq: 17 Apr 2020 17:49

Tgt Ion:106 Resp: 3741

Ion Ratio Lower Upper

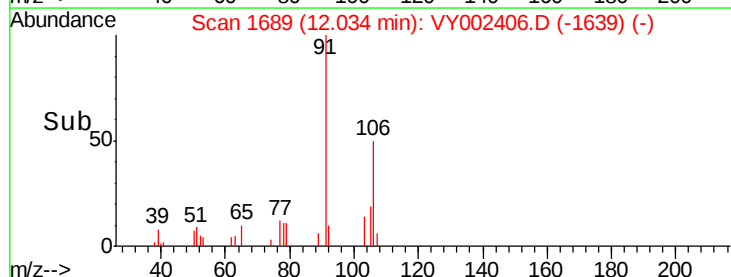
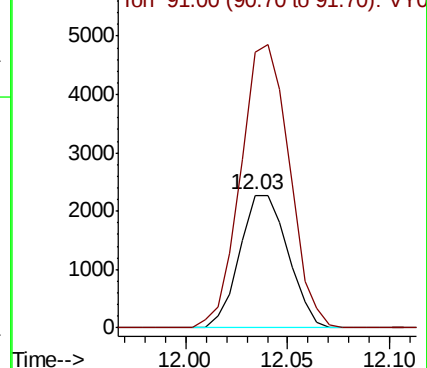
106 100

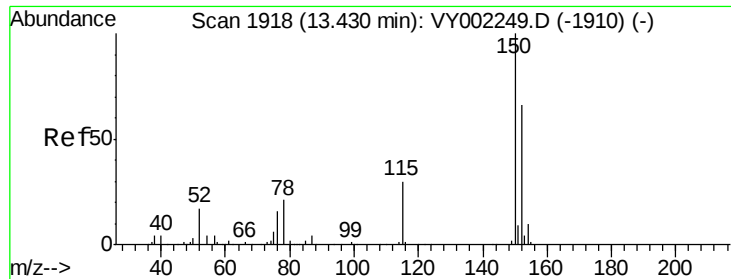
91 215.3 105.8 317.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



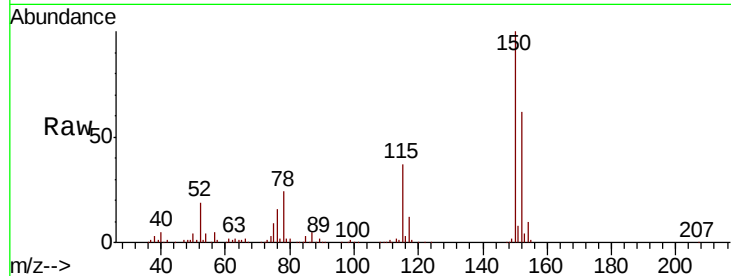


#72

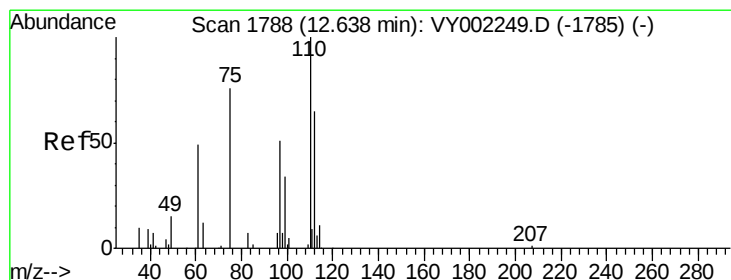
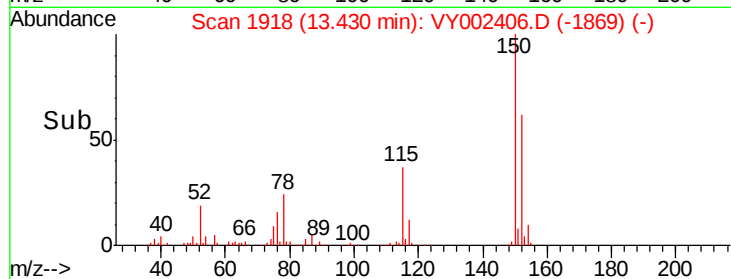
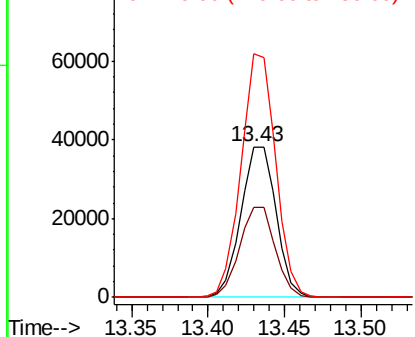
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002406.D
Acq: 17 Apr 2020 17:49

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 61184
Ion Ratio Lower Upper
152 100
115 60.2 30.7 92.1
150 158.7 0.0 350.6



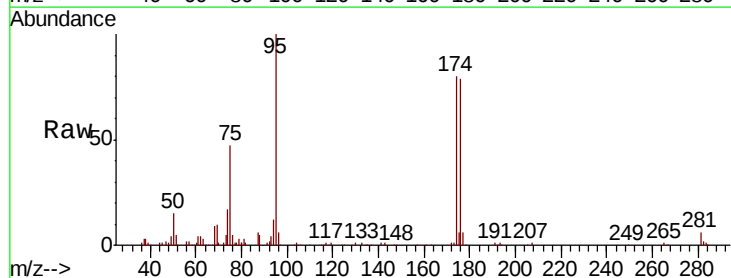
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



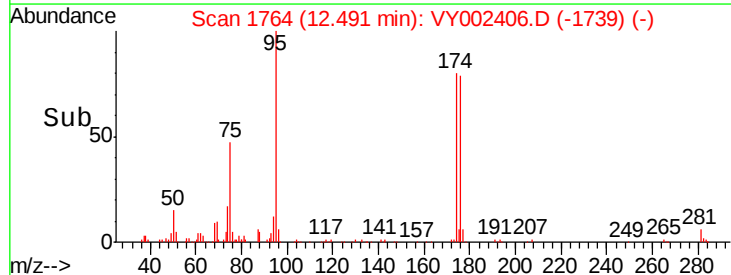
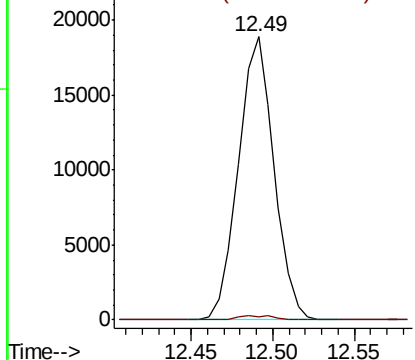
#76

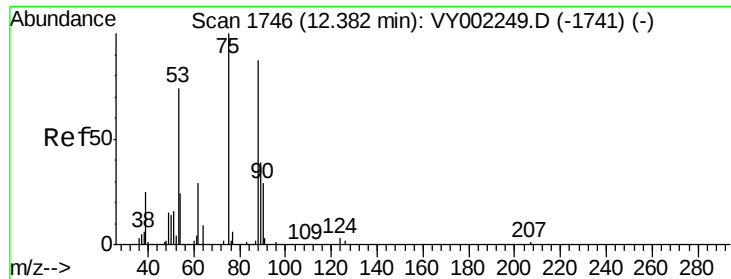
1,2,3-Trichloropropane
Concen: 40.311 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002406.D
Acq: 17 Apr 2020 17:49

Tgt Ion: 75 Resp: 28640
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: 78.404 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002406.D

Acq: 17 Apr 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

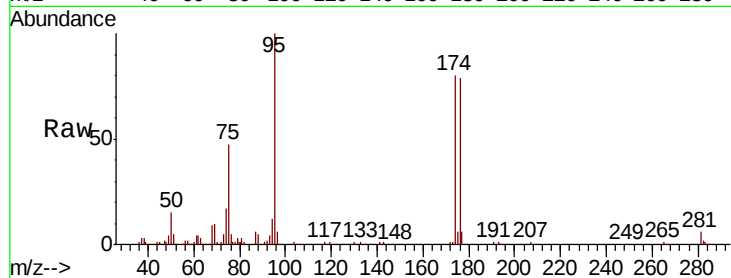
Tot Ion: 75 Resp: 28640

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.2 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

