

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002399.D
 Acq On : 17 Apr 2020 15:12
 Operator : SY/MD
 Sample : L2271-07RE
 Misc : 3.25G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:38:11 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	128401	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	249587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	215482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	80943	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	64160	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
35) Dibromofluoromethane	7.74	113	72499	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.19	98	294368	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.49	95	87009	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

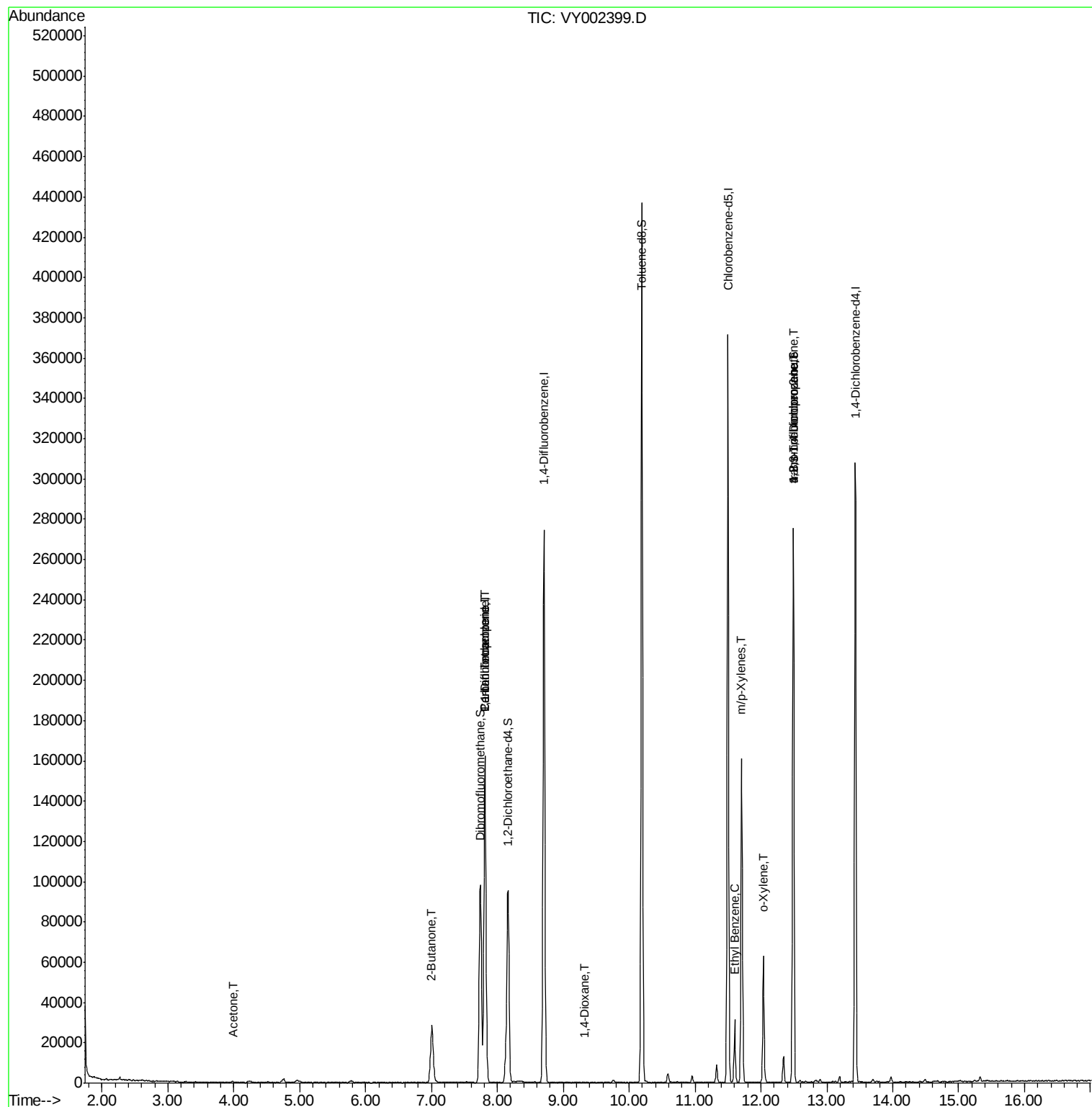
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1983	Below Cal	#	77
16) Acetone	3.99	43	980	2.606	ug/l #	78
25) 2-Butanone	7.01	43	1193	2.004	ug/l #	79
36) 1,1-Dichloropropene	7.81	75	9908	4.030	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12486	5.938	ug/l #	17
49) 1,4-Dioxane	9.31	88	21	1.534	ug/l #	23
67) Ethyl Benzene	11.60	91	21490	2.621	ug/l	98
68) m/p-Xylenes	11.70	106	50300	16.378	ug/l	100
69) o-Xylene	12.04	106	17915	6.213	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	41192	43.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	41192	85.238	ug/l #	19

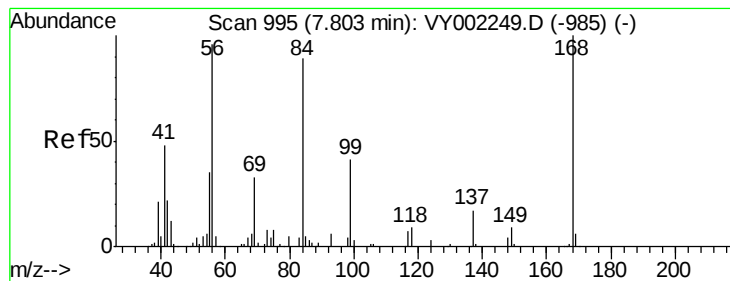
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

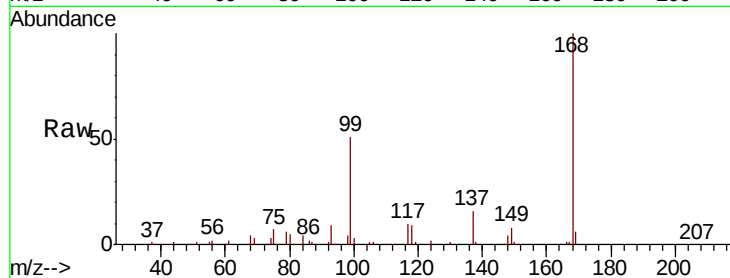
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 128401

Ion Ratio Lower Upper

168 100

99 50.9 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002399.D

Ion 98.90 (98.60 to 99.60): VY002399.D

7.82

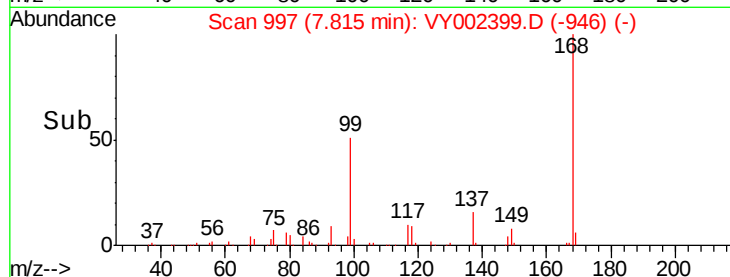
60000

40000

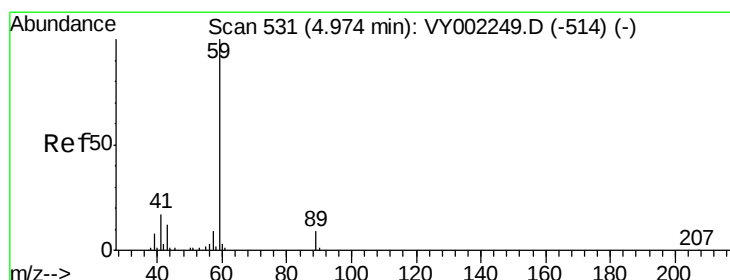
20000

0

7.70 7.80 7.90



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002399.D

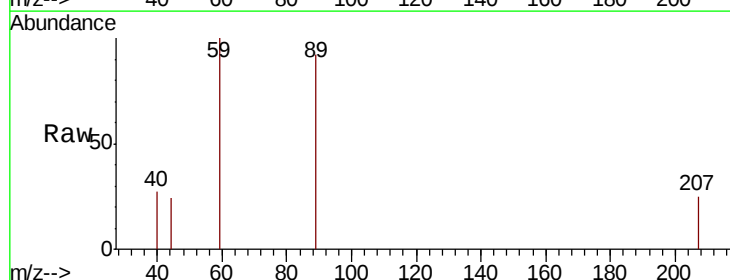
Acq: 17 Apr 2020 15:12

Tgt Ion: 59 Resp: 1983

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002399.D

Ion 57.00 (56.70 to 57.70): VY002399.D

4.97

500

400

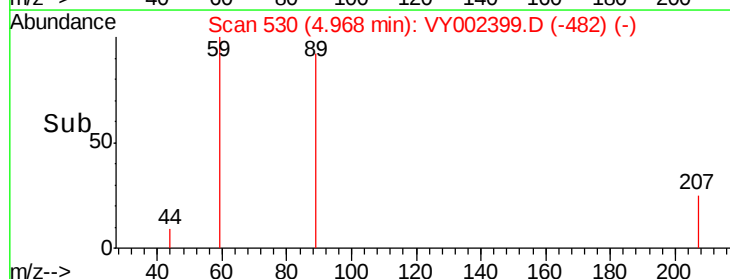
300

200

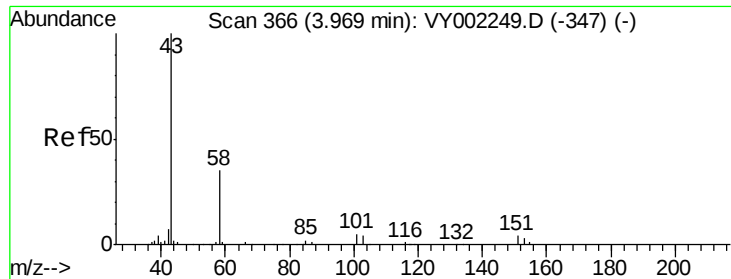
100

0

4.90 5.00 5.10



Time-->



#16

Acetone

Concen: 2.606 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

Instrument :

MSVOA_Y

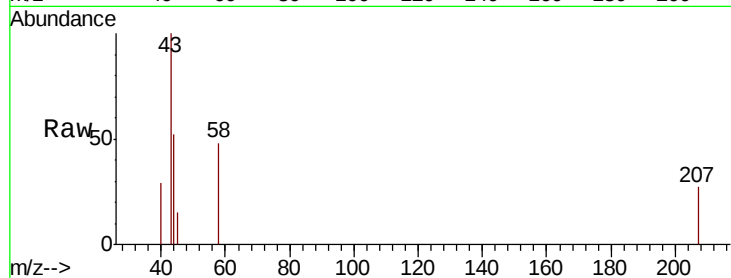
ClientSampleId :

Tot Ion: 43 Resp: 980

Ion Ratio Lower Upper

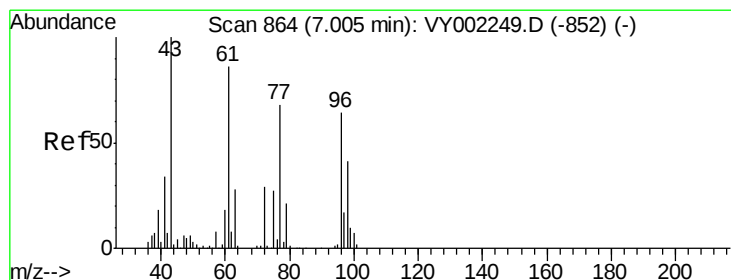
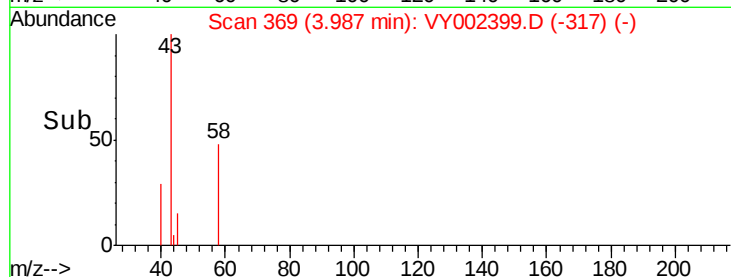
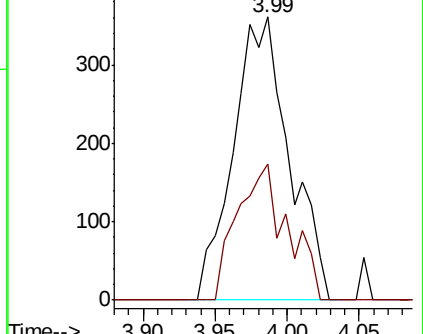
43 100

58 48.2 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: 2.004 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002399.D

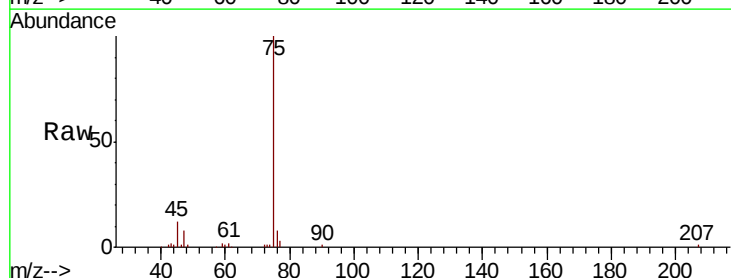
Acq: 17 Apr 2020 15:12

Tgt Ion: 43 Resp: 1193

Ion Ratio Lower Upper

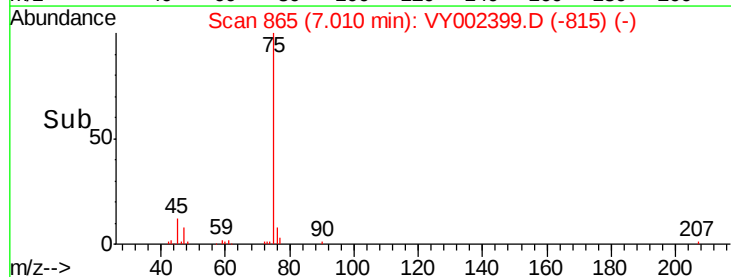
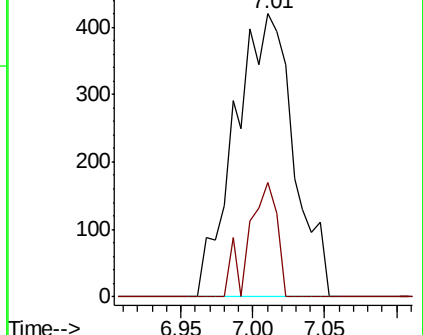
43 100

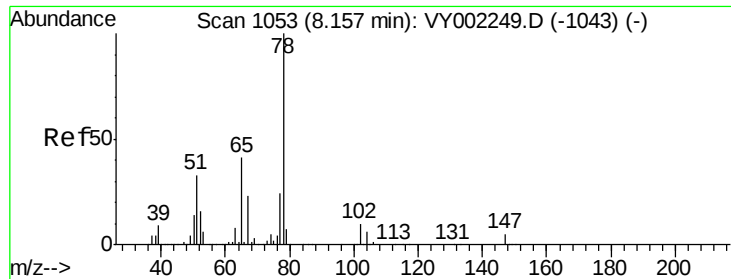
72 40.2 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

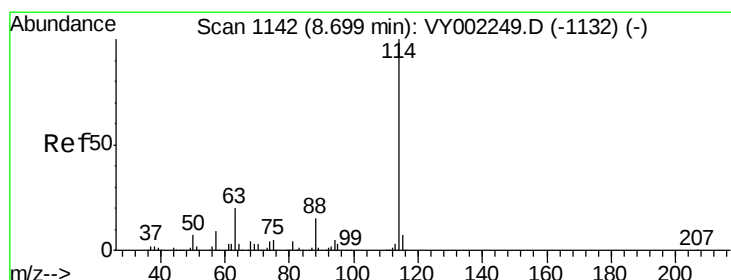
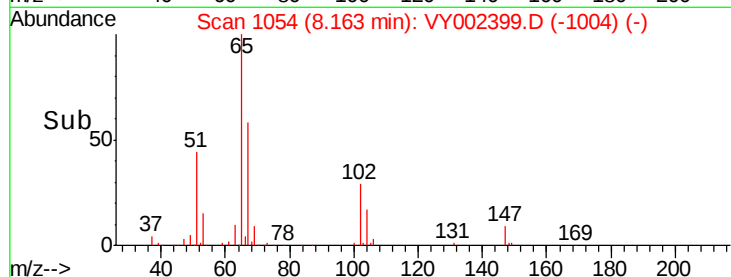
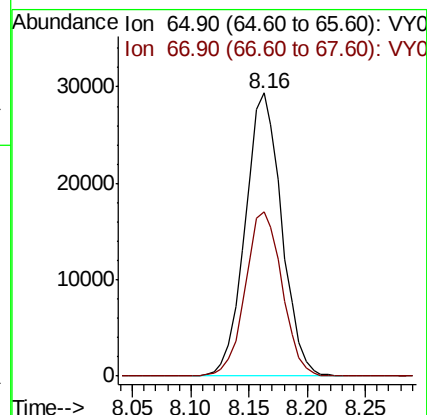
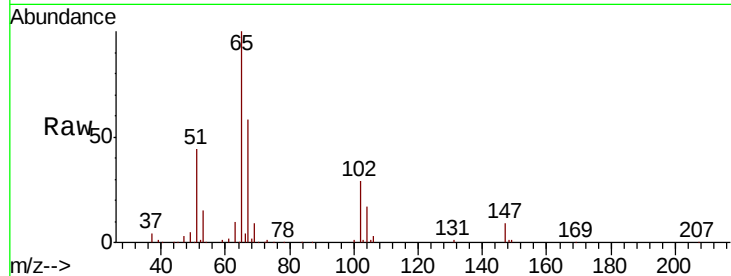




#33
 1,2-Dichloroethane-d4
 Concen: 44.933 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002399.D
 Acq: 17 Apr 2020 15:12

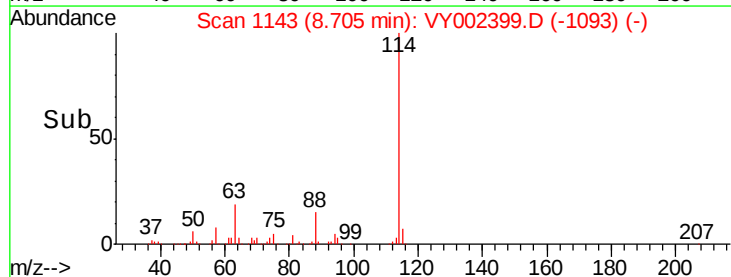
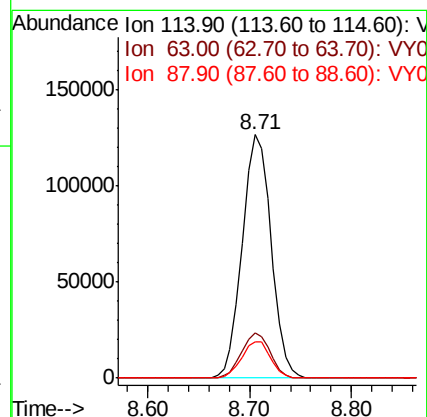
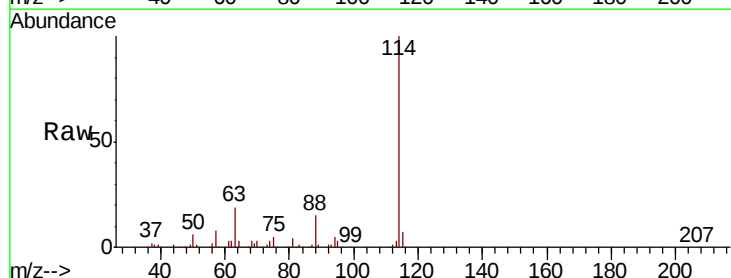
Instrument :
 MSVOA_Y
 ClientSampleId :

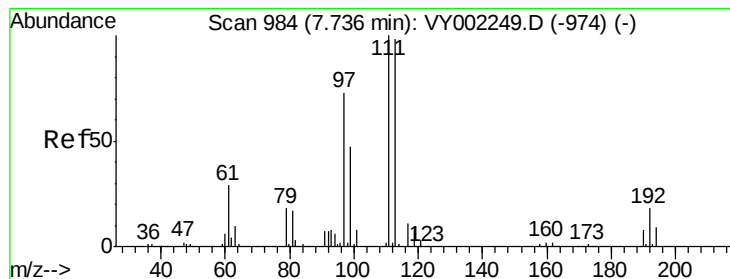
Tot Ion: 65 Resp: 64160
 Ion Ratio Lower Upper
 65 100
 67 58.6 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002399.D
 Acq: 17 Apr 2020 15:12

Tgt Ion: 114 Resp: 249587
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.0
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.817 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

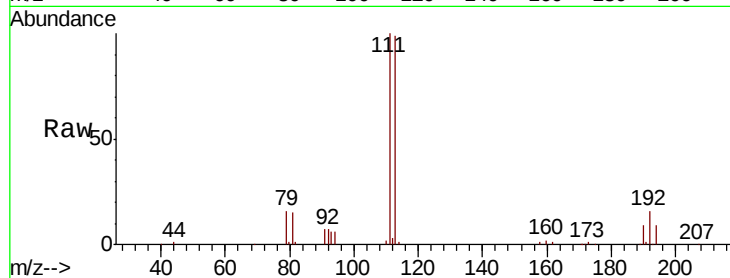
Tot Ion:113 Resp: 72499

Ion Ratio Lower Upper

113 100

111 103.4 83.5 125.3

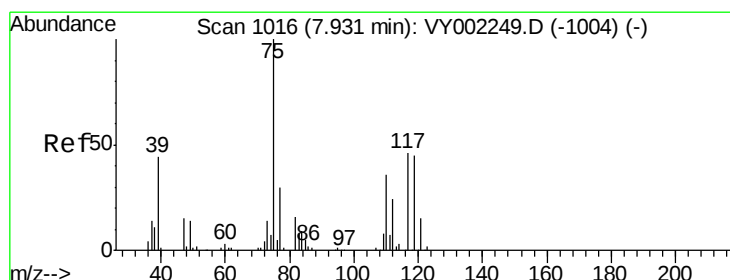
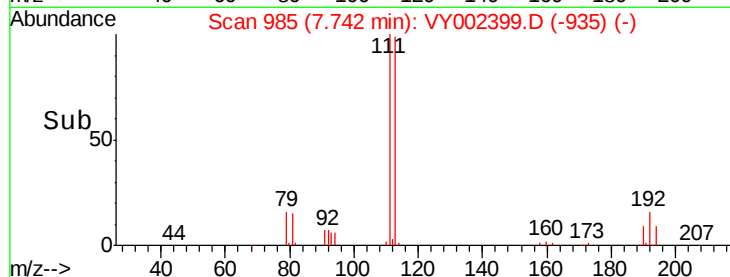
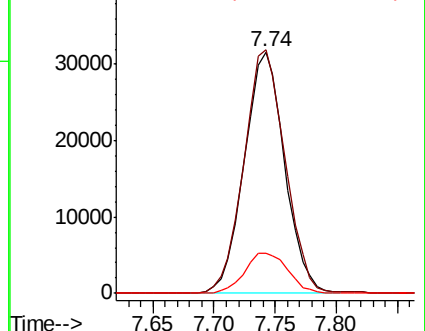
192 18.0 14.7 22.1



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: 4.030 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

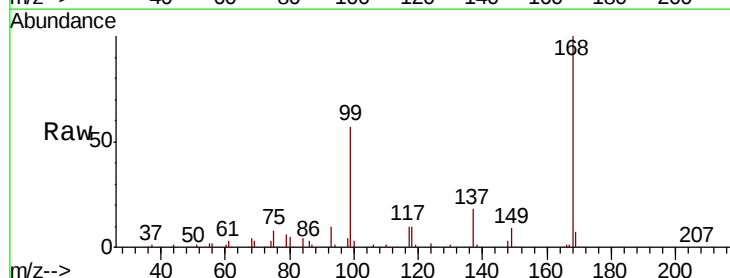
Tgt Ion: 75 Resp: 9908

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.3#

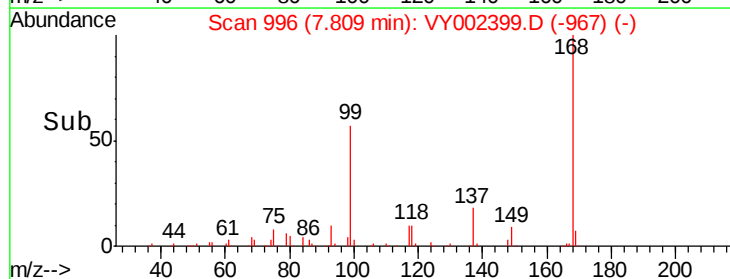
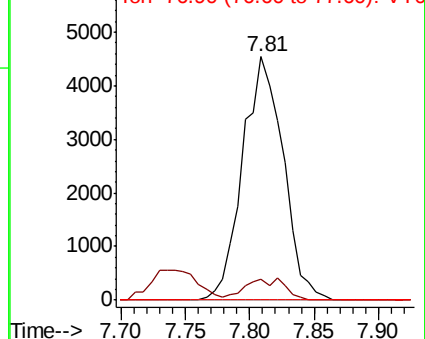
77 0.0 24.4 36.6#

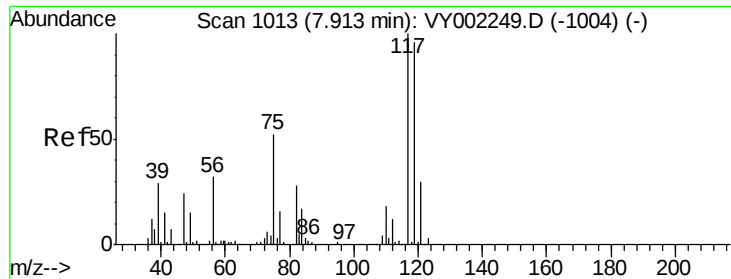


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

Instrument :

MSVOA_Y

ClientSampled :

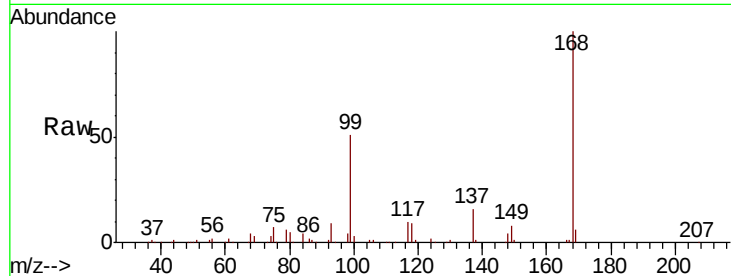
Tot Ion:117 Resp: 12486

Ion Ratio Lower Upper

117 100

119 6.2 77.1 115.7#

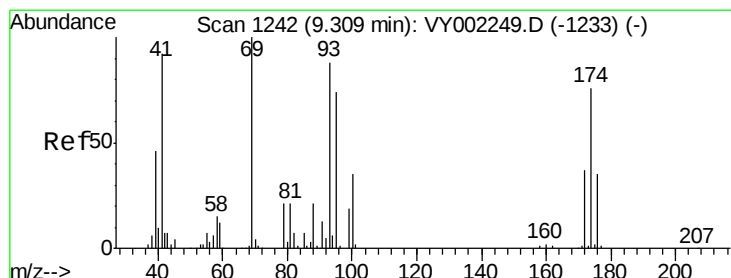
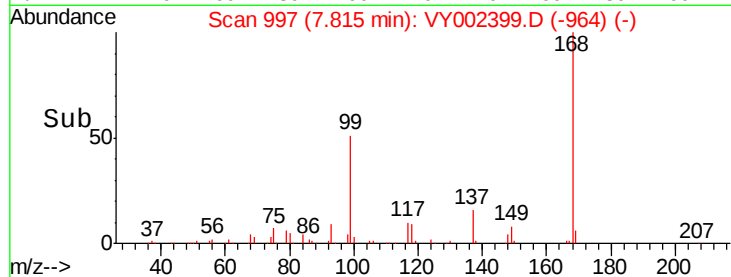
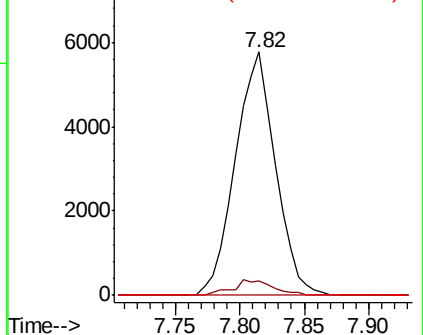
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 1.534 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

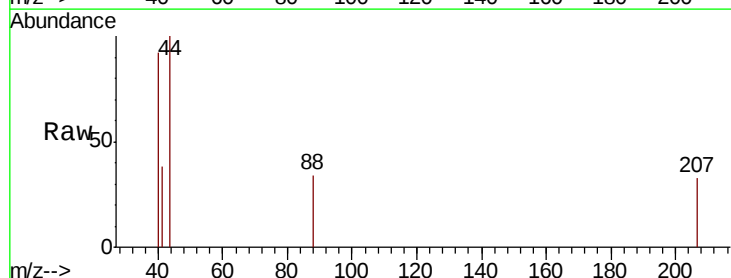
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

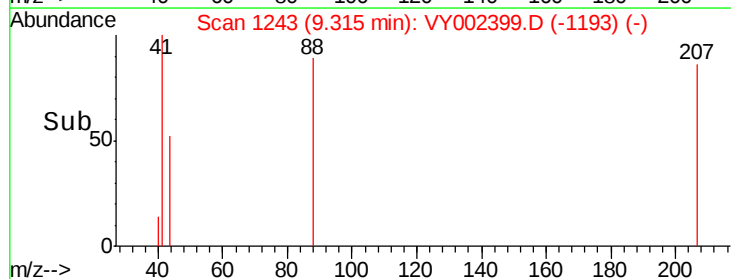
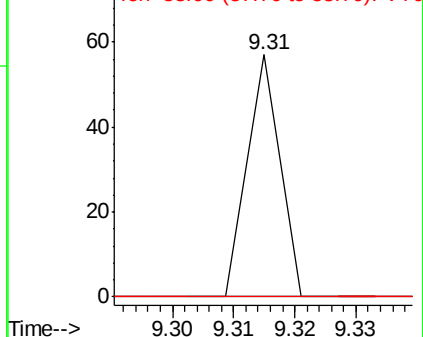
58 0.0 57.6 86.4#

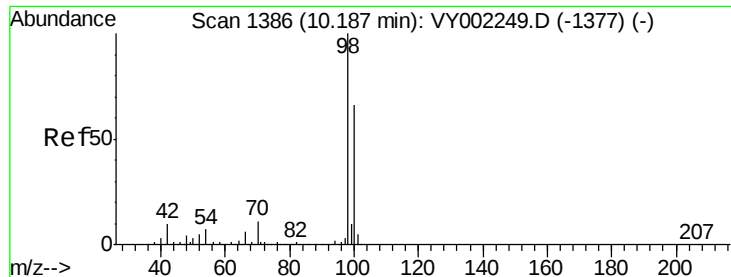


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 47.356 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

Instrument :

MSVOA_Y

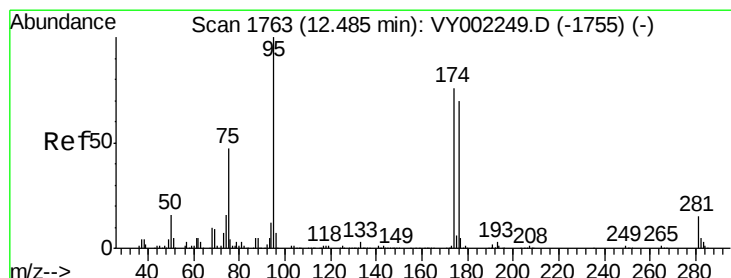
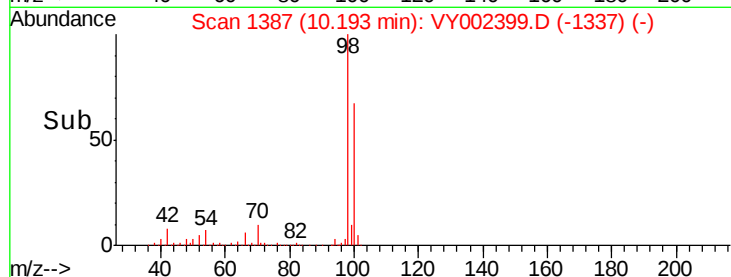
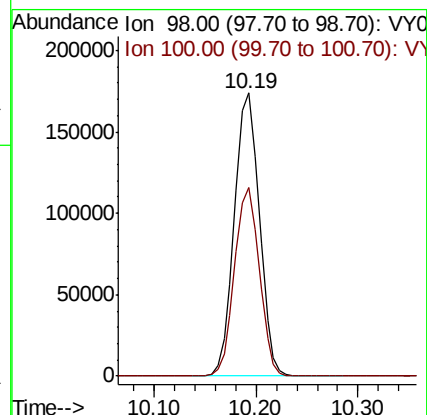
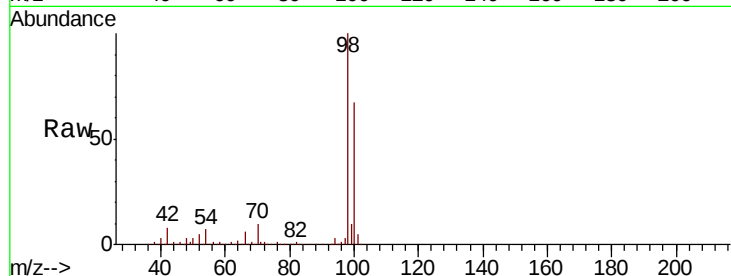
ClientSampleId :

Tot Ion: 98 Resp: 294368

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 42.427 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

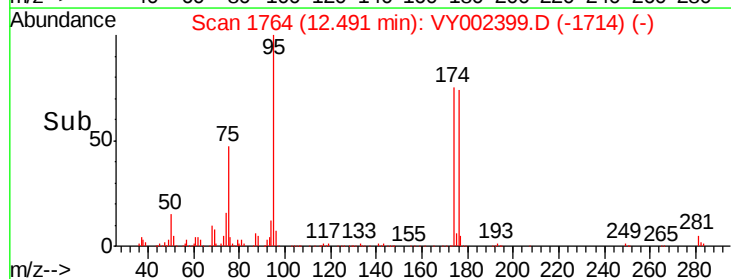
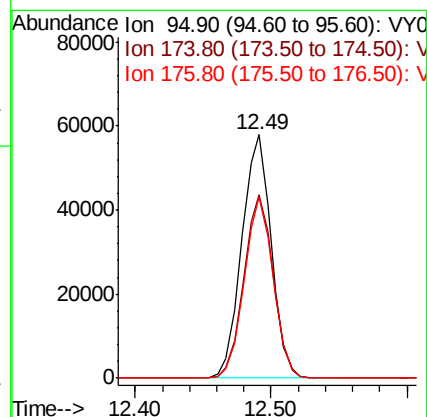
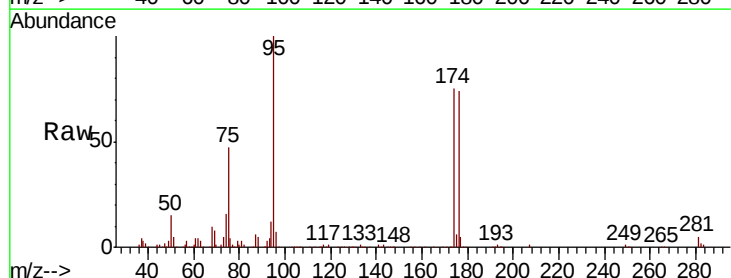
Tgt Ion: 95 Resp: 87009

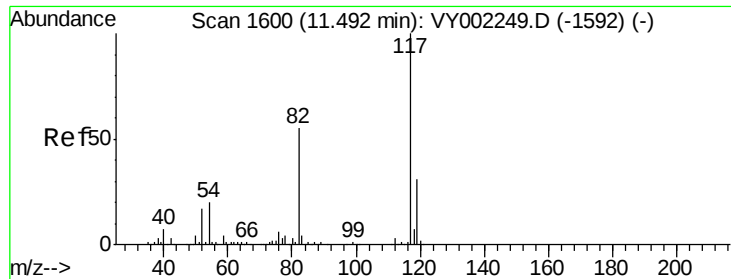
Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.6

176 72.9 0.0 141.4

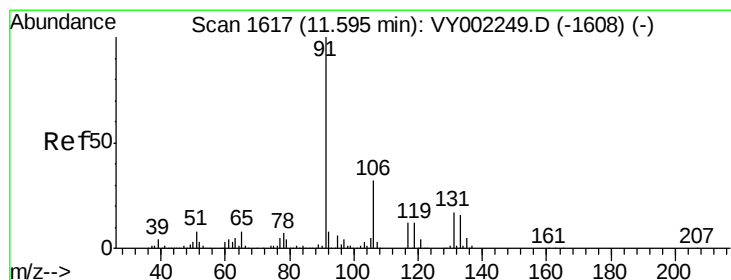
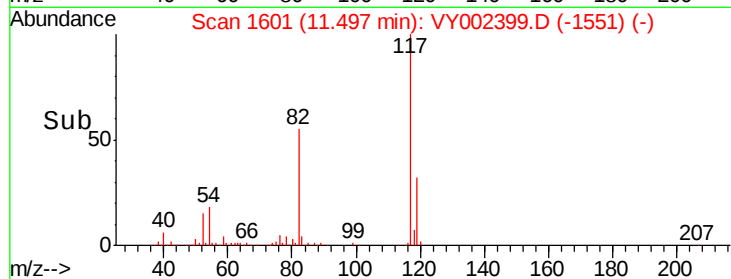
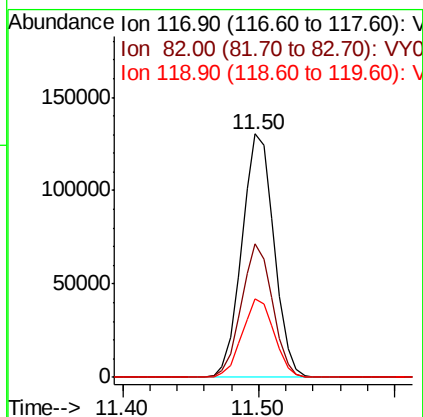
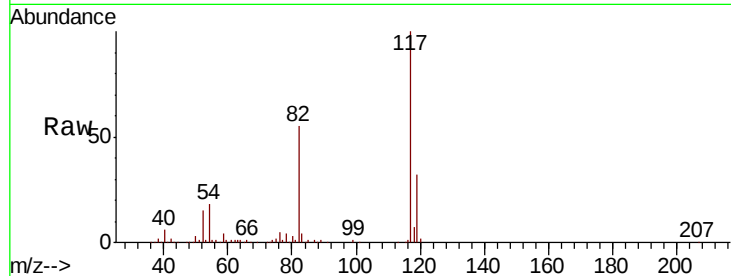




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002399.D
Acq: 17 Apr 2020 15:12

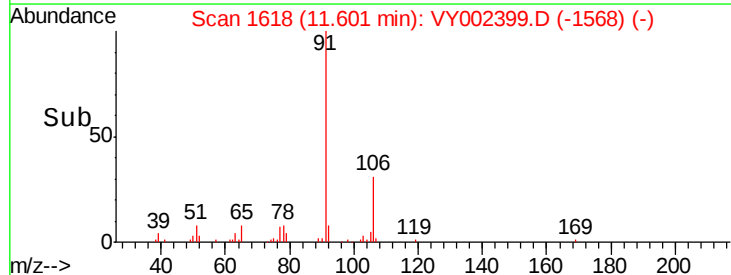
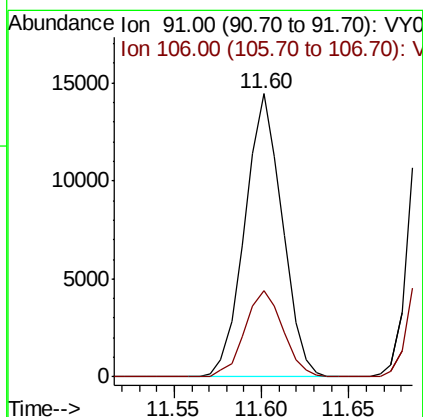
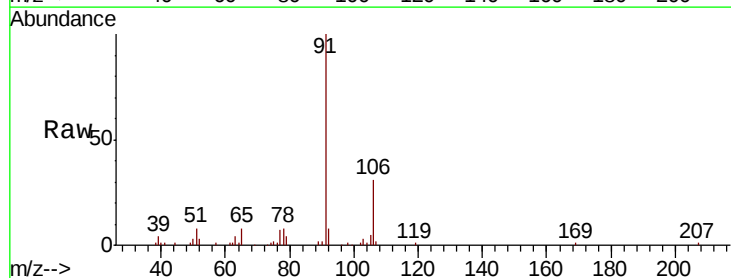
Instrument :
MSVOA_Y
ClientSampleId :

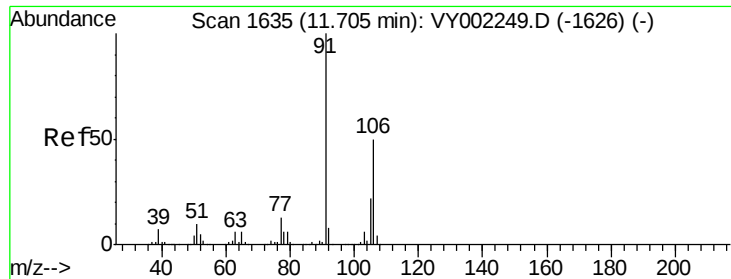
Tot Ion:117 Resp: 215482
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.4
119 32.4 25.1 37.7



#67
Ethyl Benzene
Concen: 2.621 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002399.D
Acq: 17 Apr 2020 15:12

Tgt Ion: 91 Resp: 21490
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.0

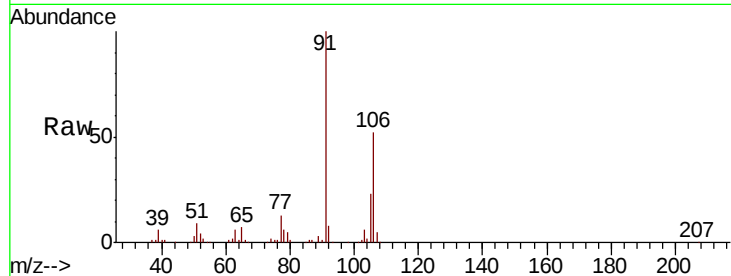




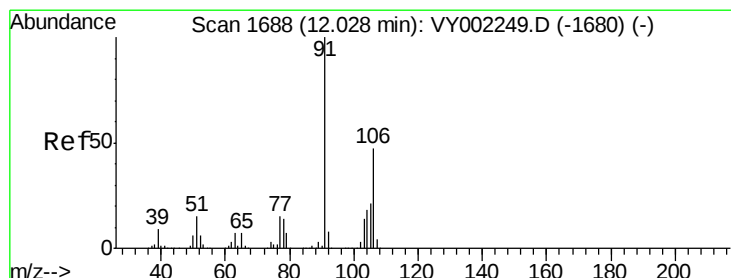
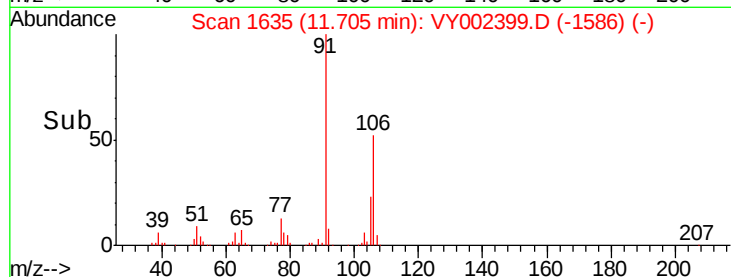
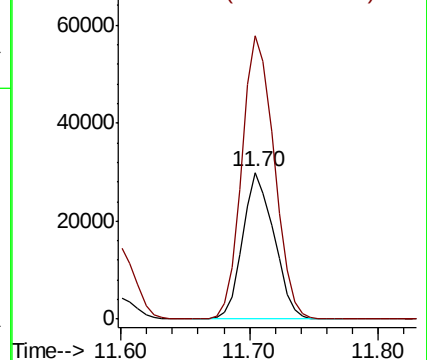
#68
m/p-Xylenes
Concen: 16.378 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY002399.D
Acq: 17 Apr 2020 15:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 50300
Ion Ratio Lower Upper
106 100
91 199.3 159.8 239.6

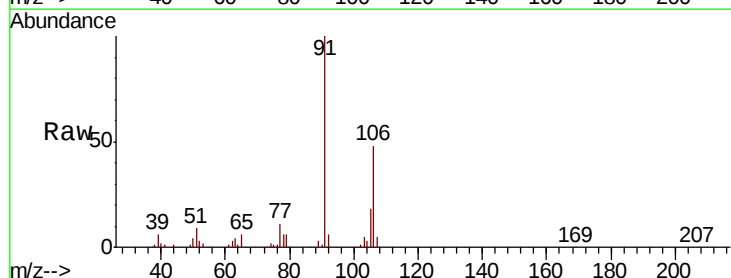


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

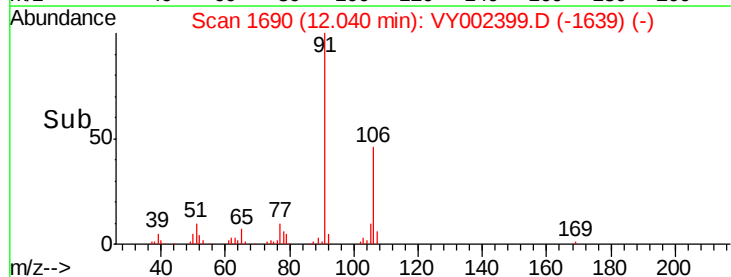
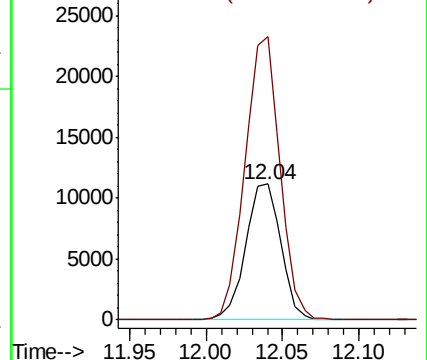


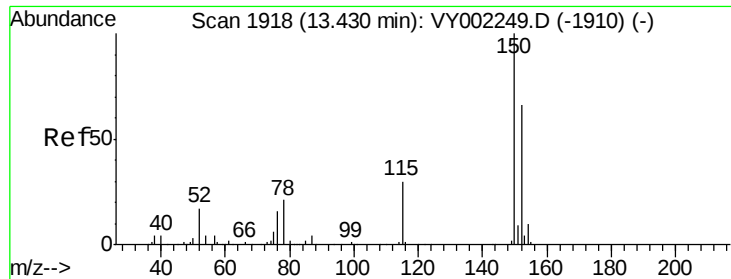
#69
o-Xylene
Concen: 6.213 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002399.D
Acq: 17 Apr 2020 15:12

Tgt Ion:106 Resp: 17915
Ion Ratio Lower Upper
106 100
91 205.5 105.8 317.3



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: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

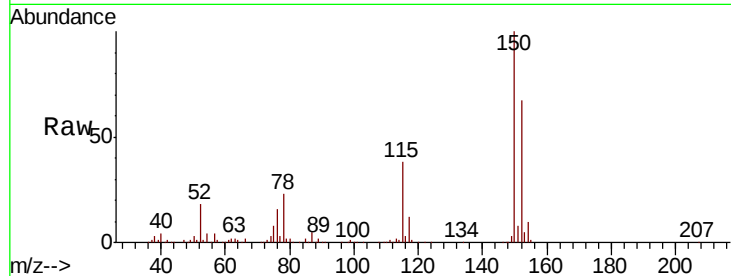
Tot Ion:152 Resp: 80943

Ion Ratio Lower Upper

152 100

115 58.6 30.7 92.1

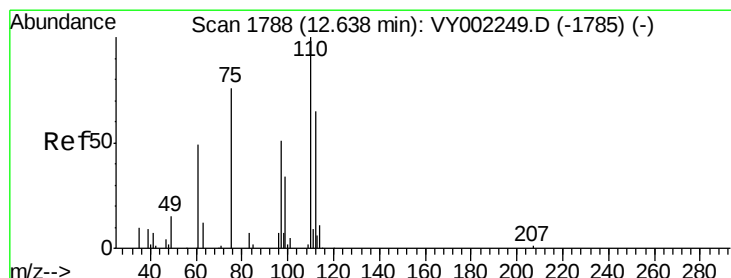
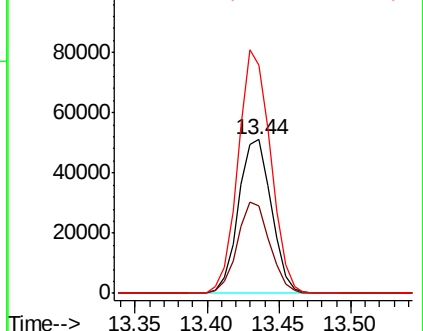
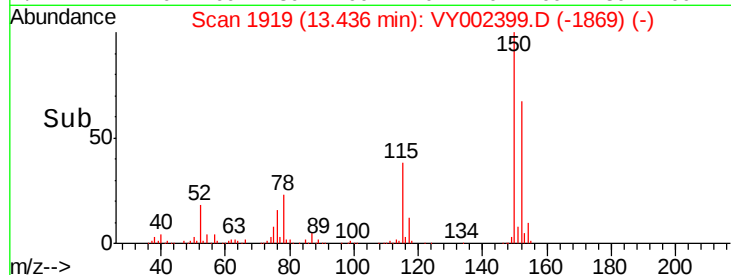
150 156.3 0.0 350.6



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: 43.825 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002399.D

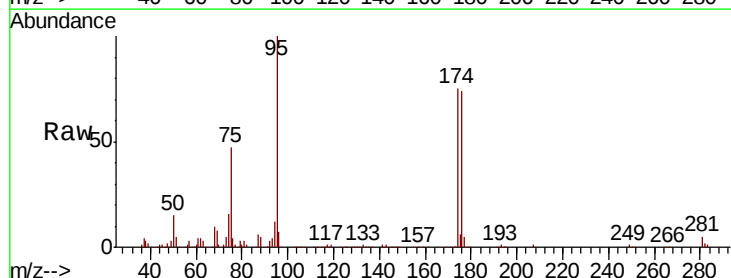
Acq: 17 Apr 2020 15:12

Tgt Ion: 75 Resp: 41192

Ion Ratio Lower Upper

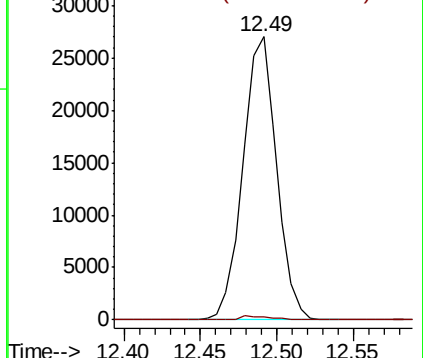
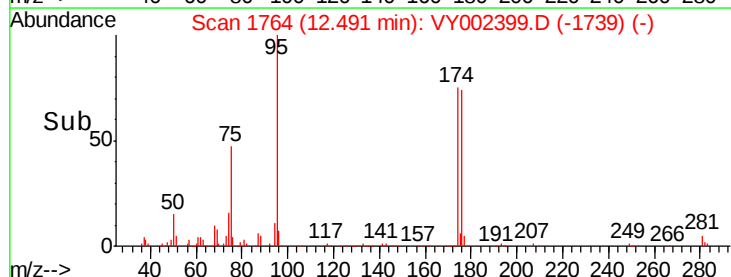
75 100

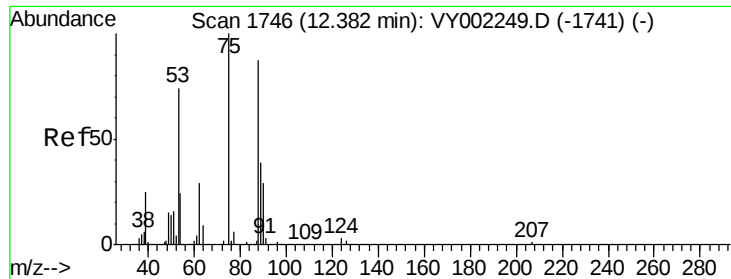
77 1.3 0.0 0.0#



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: 85.238 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002399.D

Acq: 17 Apr 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

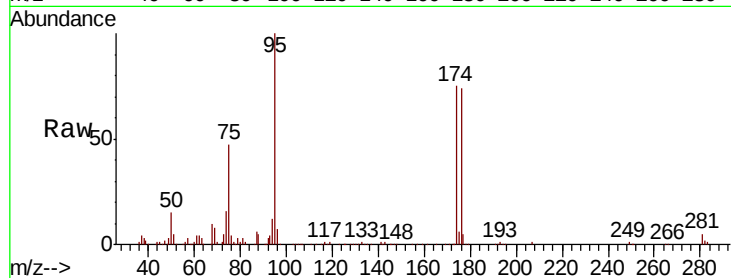
Tot Ion: 75 Resp: 41192

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

