

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002392.D
 Acq On : 17 Apr 2020 12:37
 Operator : SY/MD
 Sample : L2284-09
 Misc : 7.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:35:37 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	7.80	168	148281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	291814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	275281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	114615	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	77731	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
35) Dibromofluoromethane	7.74	113	86732	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.19	98	356507	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.49	95	119681	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

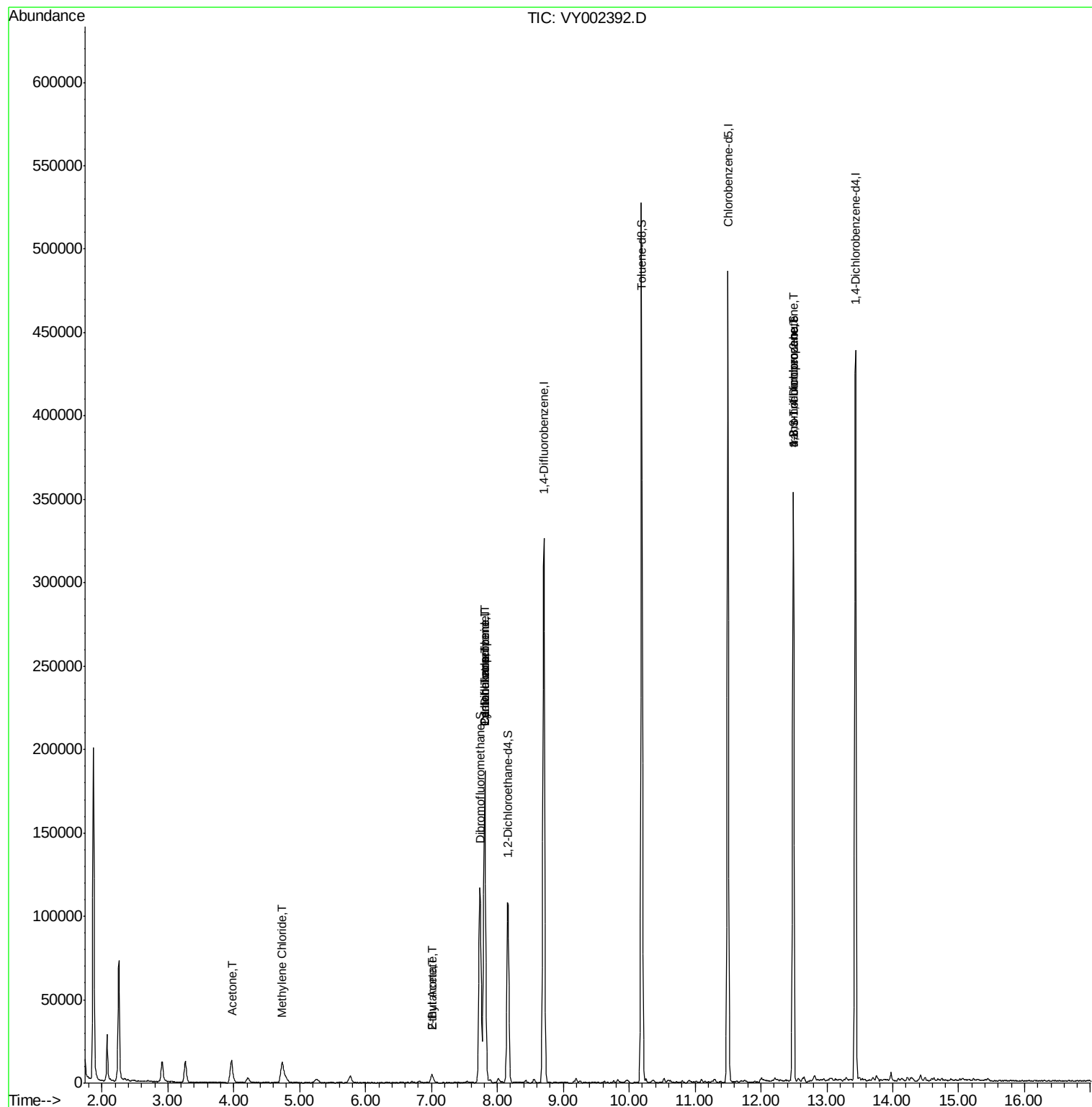
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	202	Below Cal	#	77
16) Acetone	3.97	43	21074	48.522	ug/l	92
20) Methylene Chloride	4.74	84	9637	4.514	ug/l #	85
25) 2-Butanone	7.01	43	7613	11.076	ug/l	92
31) Cyclohexane	7.80	56	4246	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11130	3.872	ug/l #	49
37) Ethyl Acetate	7.01	43	7613	4.636	ug/l #	67
38) Carbon Tetrachloride	7.80	117	14877	6.051	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	55713	41.860	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	55713	81.417	ug/l #	19

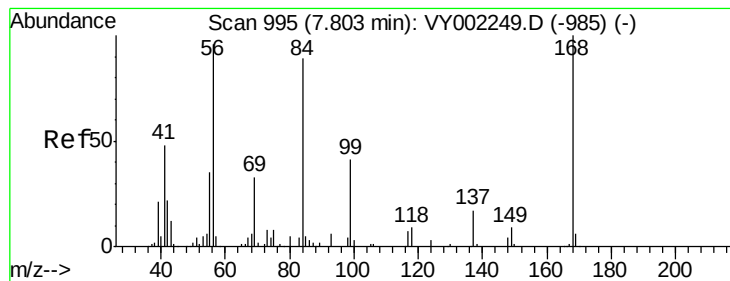
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

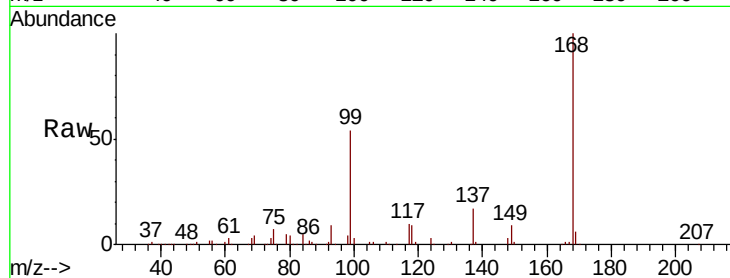
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 148281

Ion Ratio Lower Upper

168 100

99 53.6 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) (-)

7.80

60000

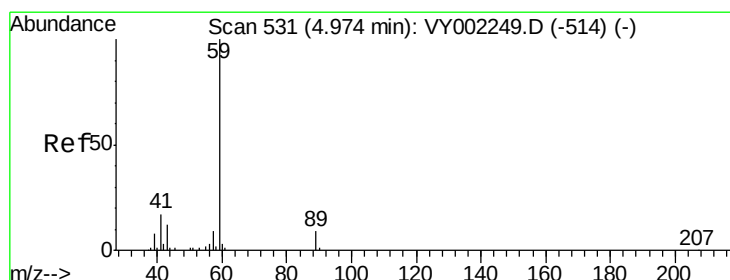
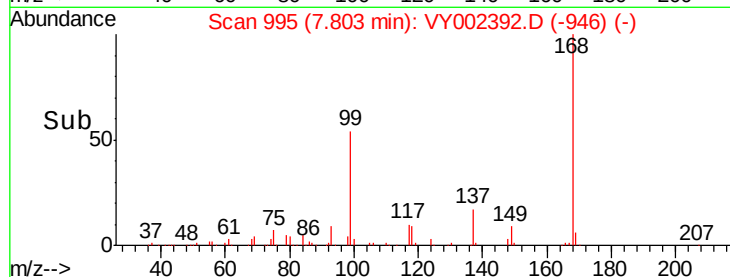
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY002392.D

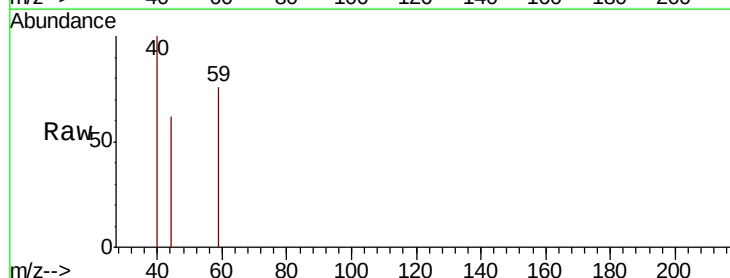
Acq: 17 Apr 2020 12:37

Tgt Ion: 59 Resp: 202

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) (-)

4.96

150

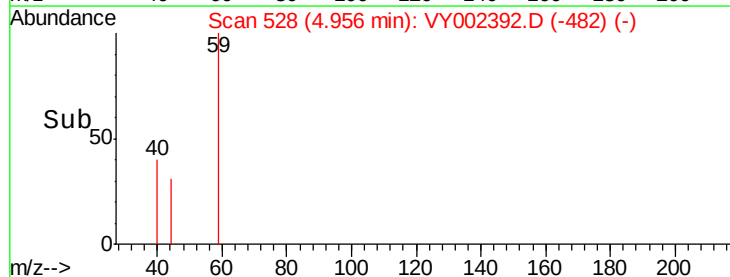
100

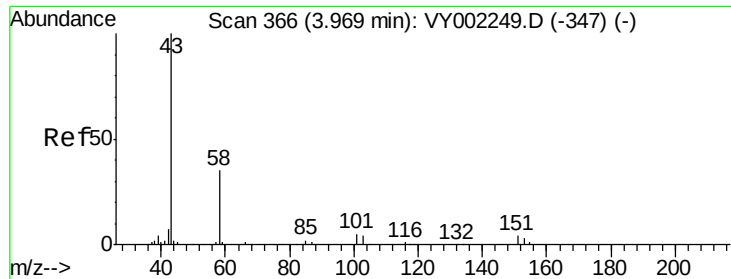
50

0

Time-->

4.95 5.00





#16

Acetone

Concen: 48.522 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

Instrument :

MSVOA_Y

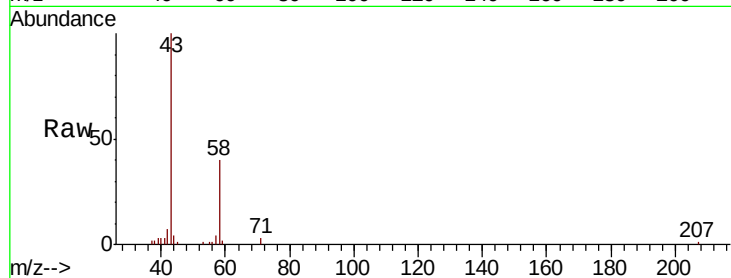
ClientSampleId :

Tot Ion: 43 Resp: 21074

Ion Ratio Lower Upper

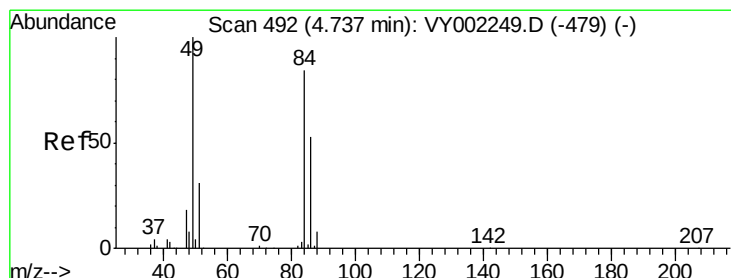
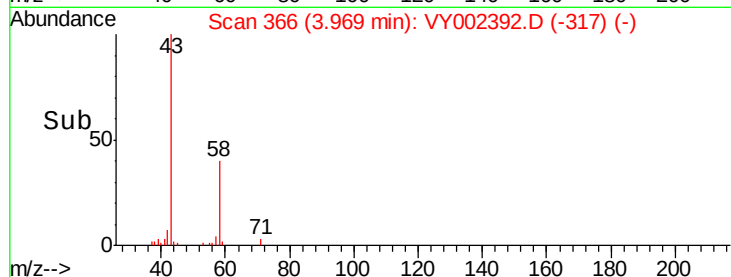
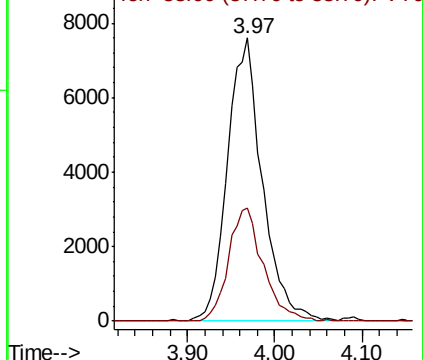
43 100

58 40.0 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: 4.514 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.00 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

Tgt Ion: 84 Resp: 9637

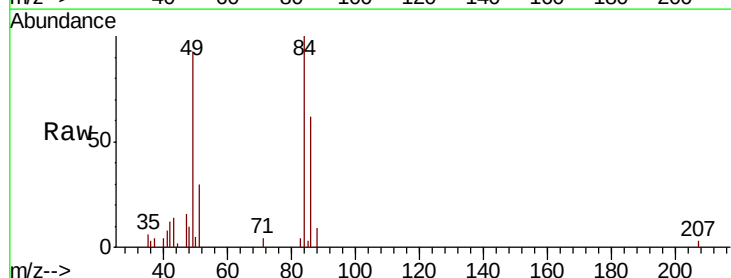
Ion Ratio Lower Upper

84 100

49 92.6 95.5 143.3#

51 30.5 29.5 44.3

86 62.3 50.7 76.1

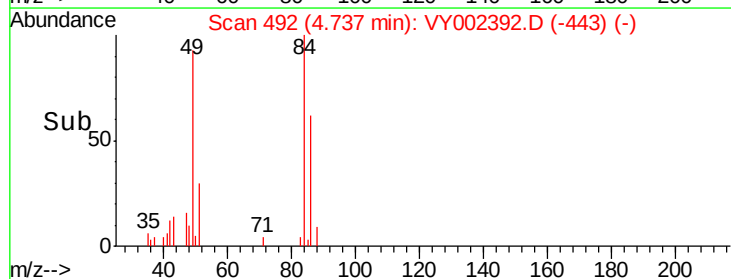
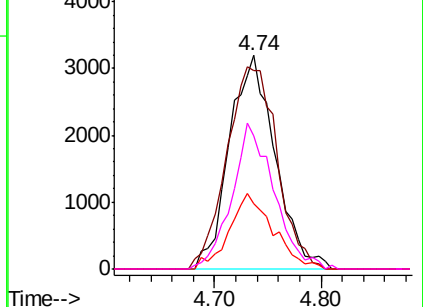


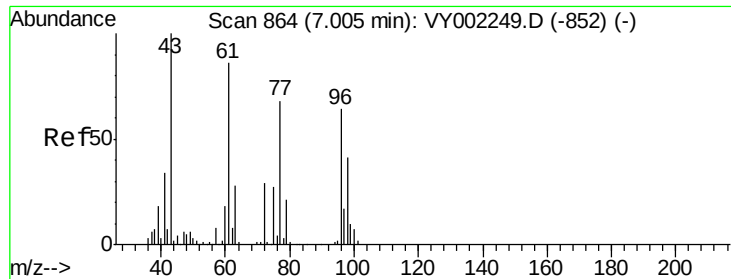
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

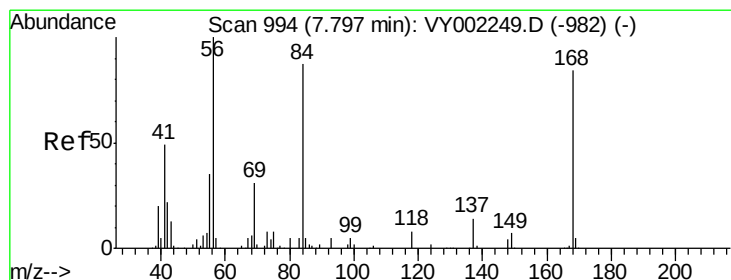
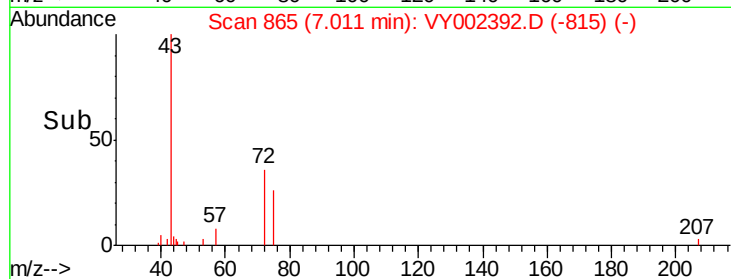
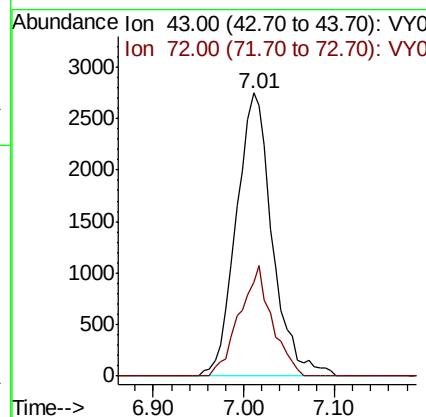
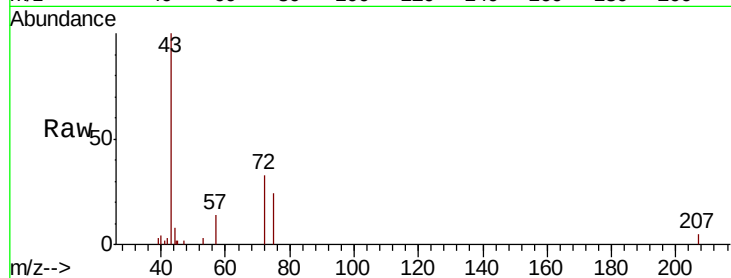




#25
2-Butanone
Concen: 11.076 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002392.D
Acq: 17 Apr 2020 12:37

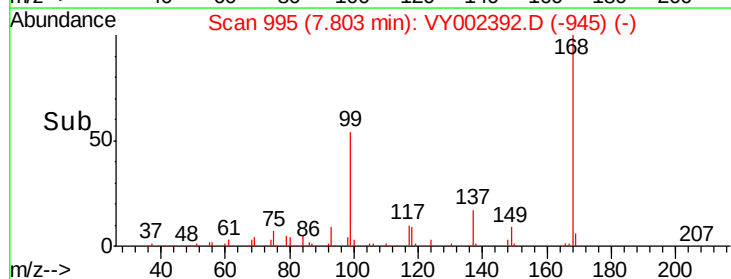
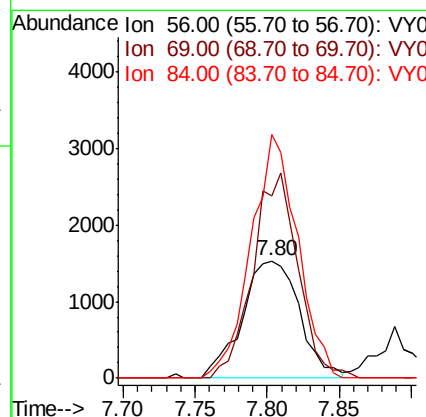
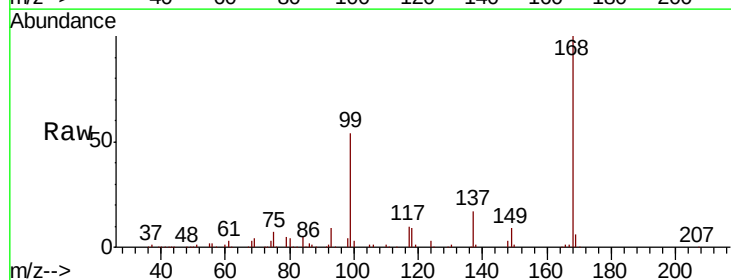
Instrument :
MSVOA_Y
ClientSampleId :

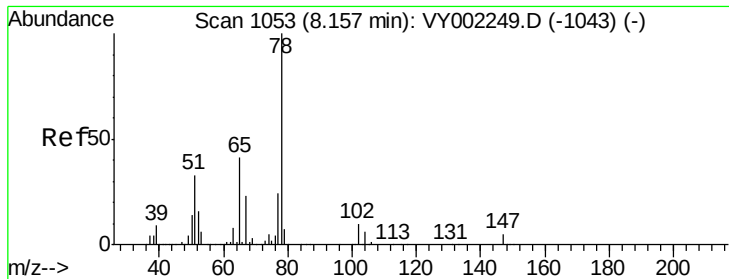
Tot Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
72 33.4 23.2 34.8



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002392.D
Acq: 17 Apr 2020 12:37

Tgt Ion: 56 Resp: 4246
Ion Ratio Lower Upper
56 100
69 155.3 25.0 37.6#
84 207.4 69.7 104.5#

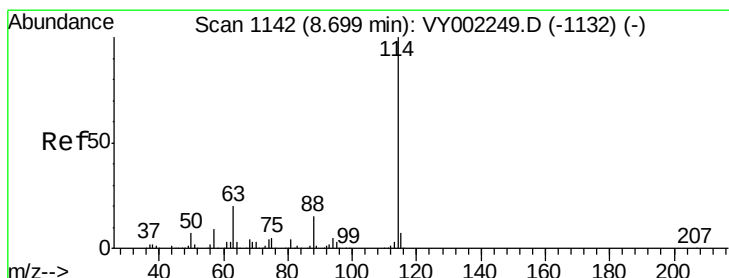
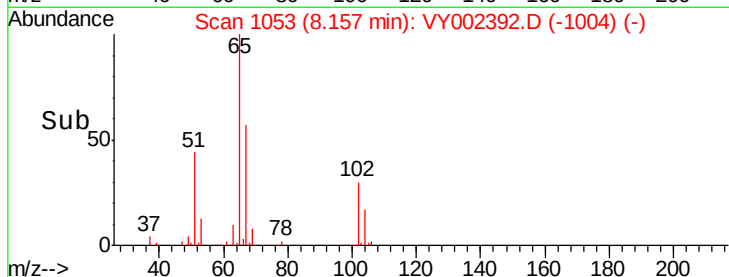
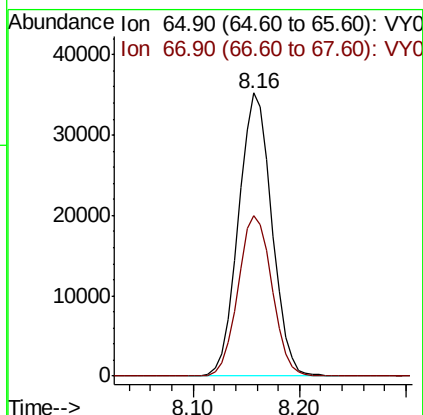
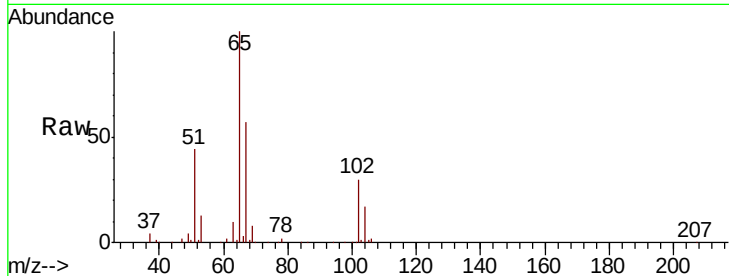




#33
 1,2-Dichloroethane-d4
 Concen: 47.139 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002392.D
 Acq: 17 Apr 2020 12:37

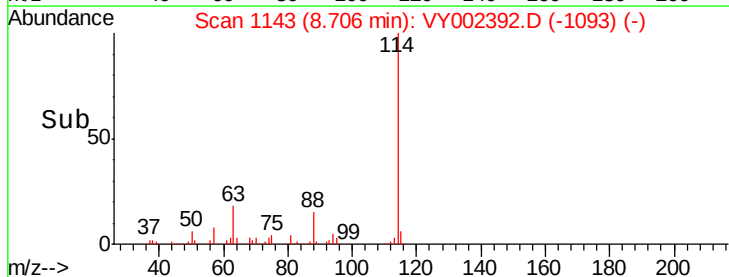
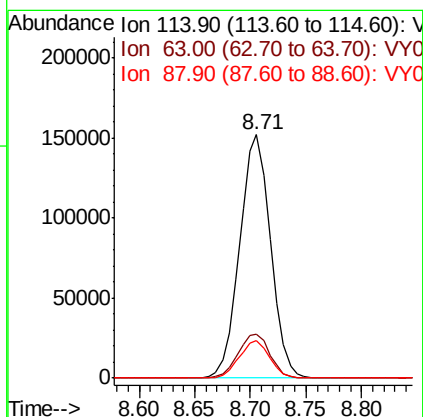
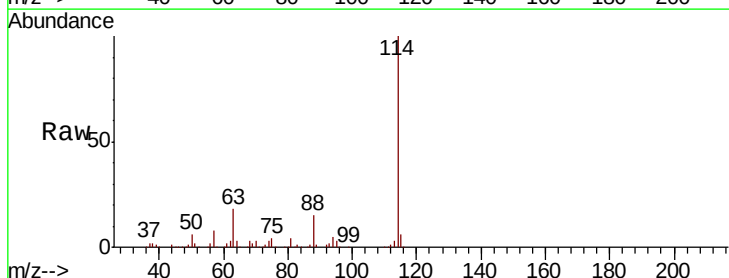
Instrument :
 MSVOA_Y
 ClientSampleId :

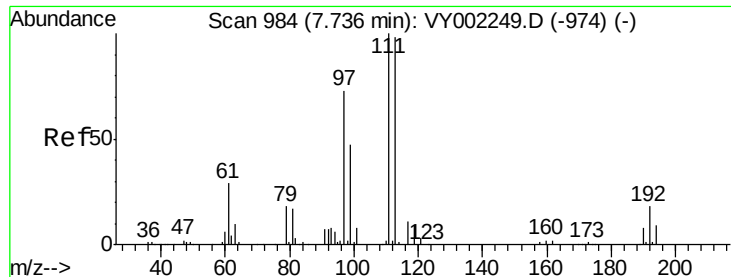
Tot Ion: 65 Resp: 77731
 Ion Ratio Lower Upper
 65 100
 67 57.6 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002392.D
 Acq: 17 Apr 2020 12:37

Tgt Ion: 114 Resp: 291814
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.0
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.950 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :

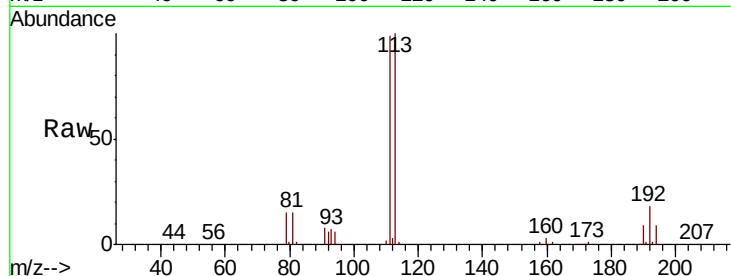
Tot Ion:113 Resp: 86732

Ion Ratio Lower Upper

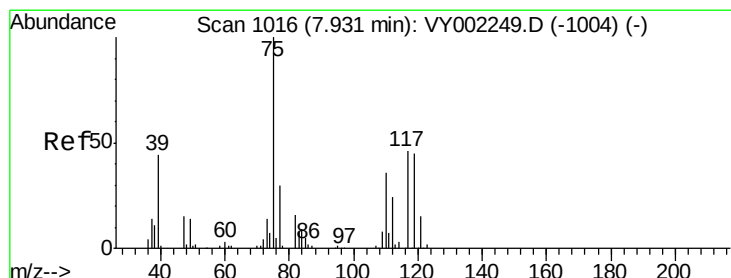
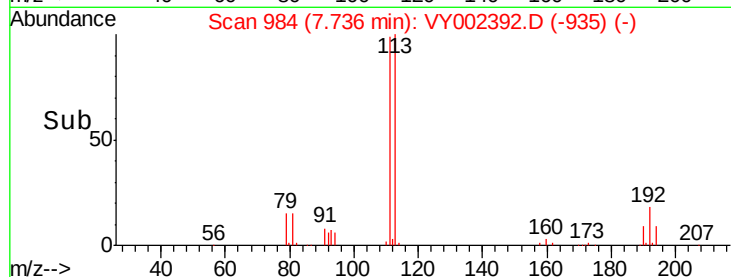
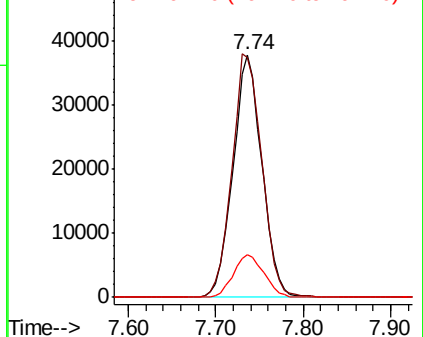
113 100

111 103.2 83.5 125.3

192 18.5 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: 3.872 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

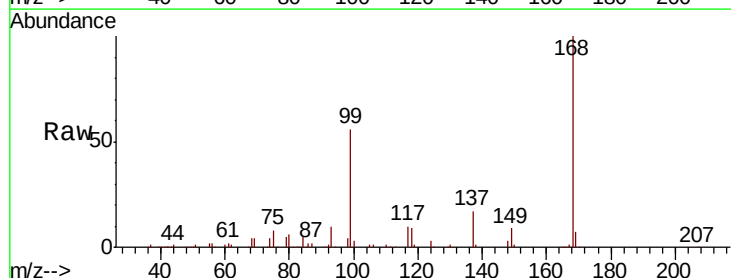
Tgt Ion: 75 Resp: 11130

Ion Ratio Lower Upper

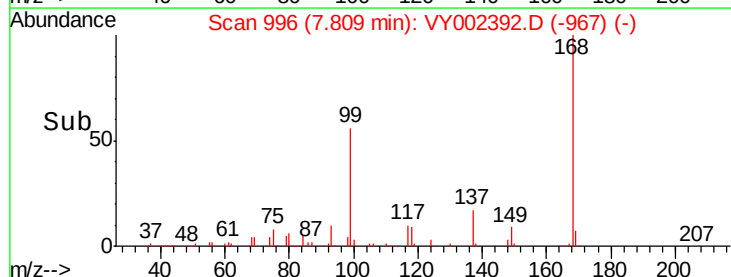
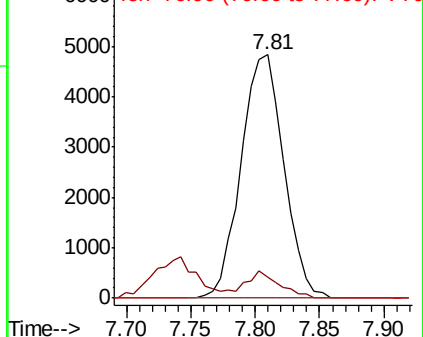
75 100

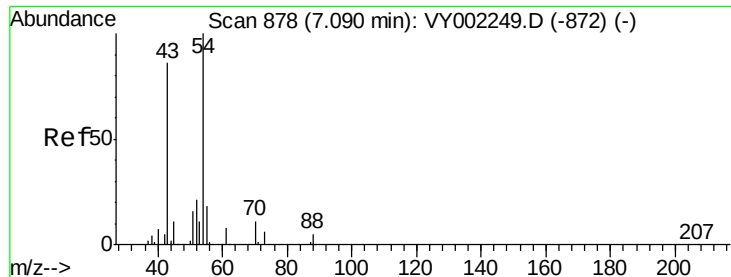
110 8.1 17.8 53.3#

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

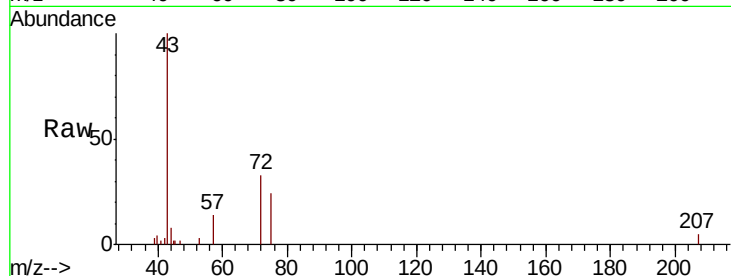




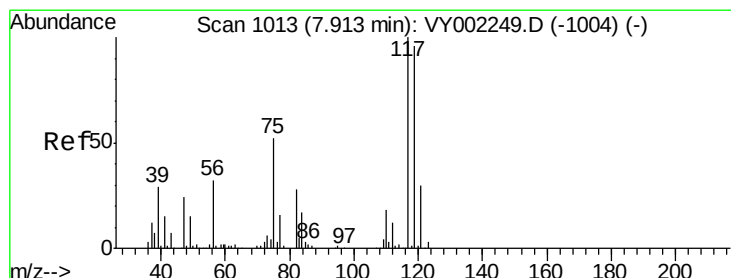
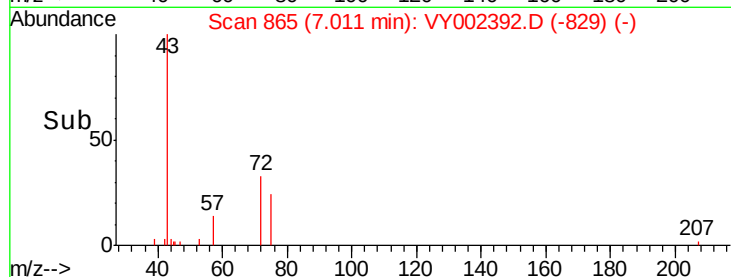
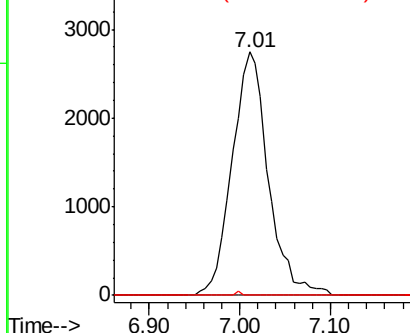
#37
Ethyl Acetate
Concen: 4.636 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY002392.D
Acq: 17 Apr 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.2 9.1 13.7#

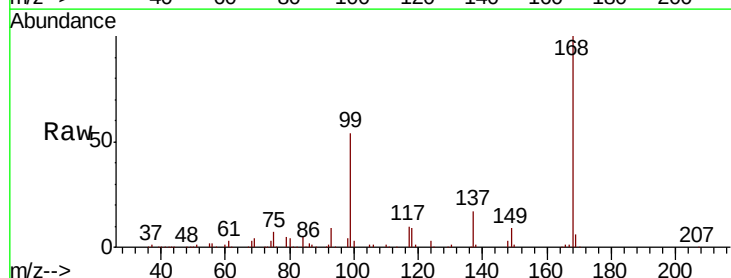


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

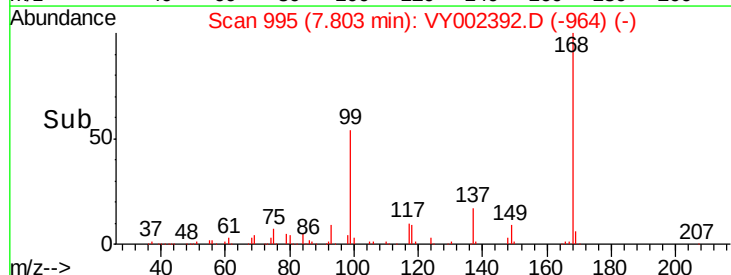
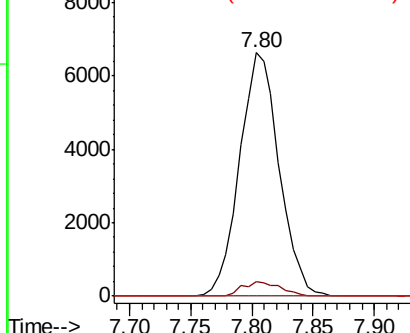


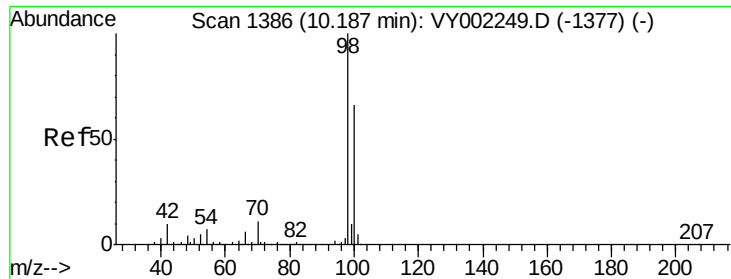
#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002392.D
Acq: 17 Apr 2020 12:37

Tgt Ion: 117 Resp: 14877
Ion Ratio Lower Upper
117 100
119 5.7 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: 49.053 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

Instrument :

MSVOA_Y

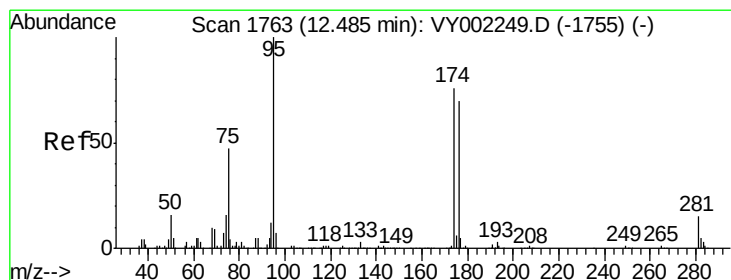
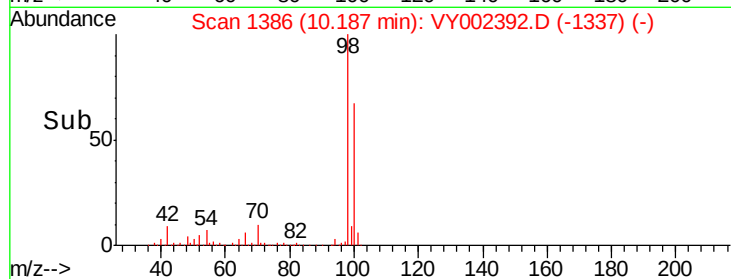
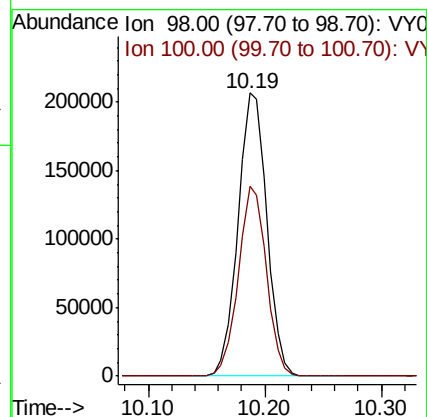
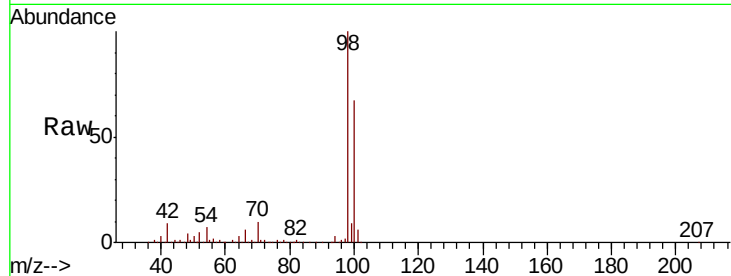
ClientSampleId :

Tot Ion: 98 Resp: 356507

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 49.914 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

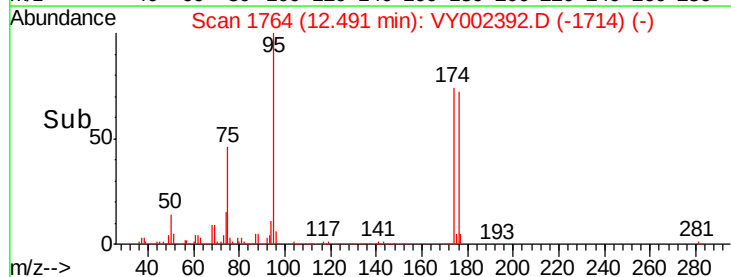
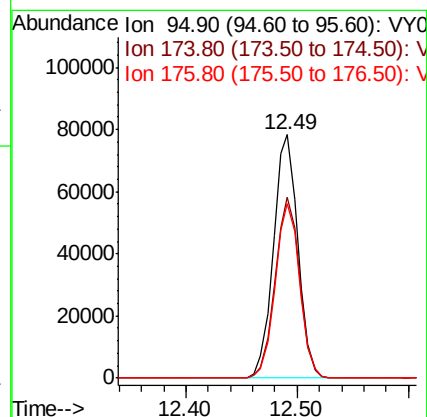
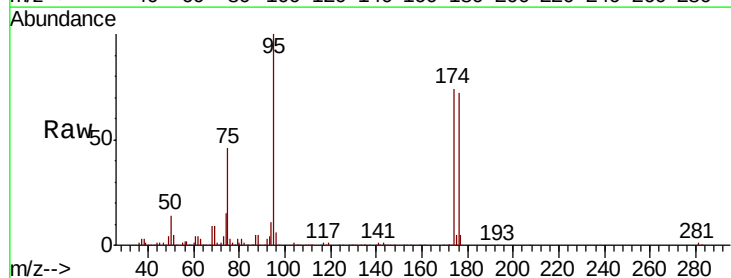
Tgt Ion: 95 Resp: 119681

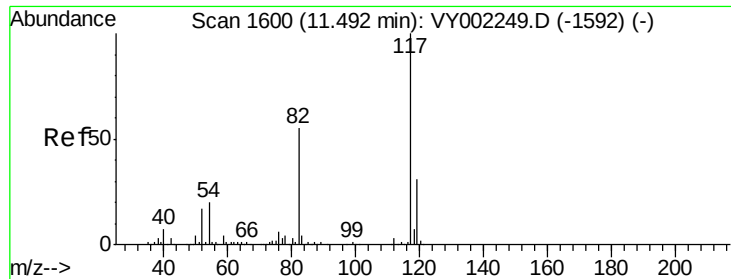
Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.6

176 71.3 0.0 141.4

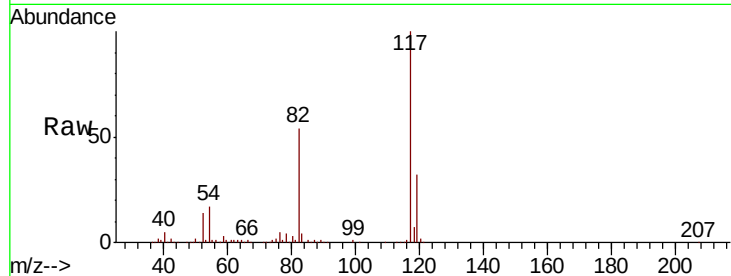




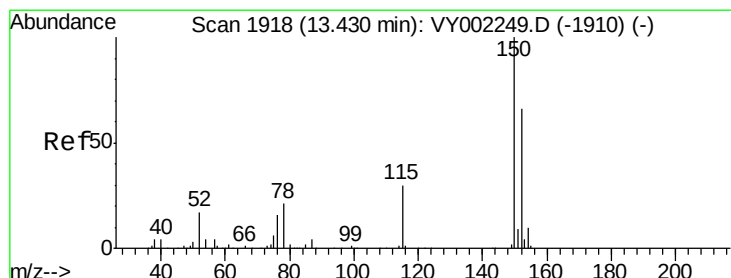
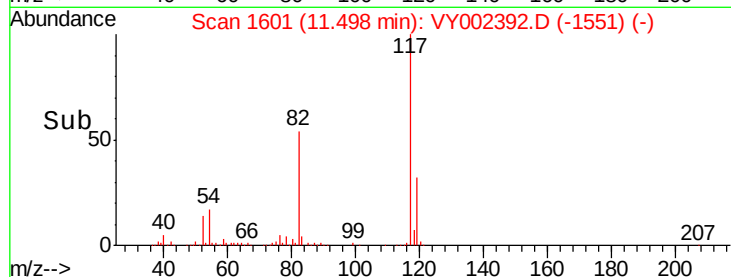
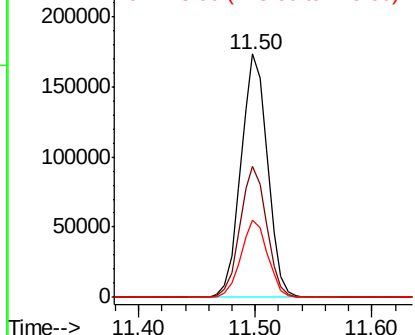
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002392.D
Acq: 17 Apr 2020 12:37

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 275281
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.4
119 31.5 25.1 37.7

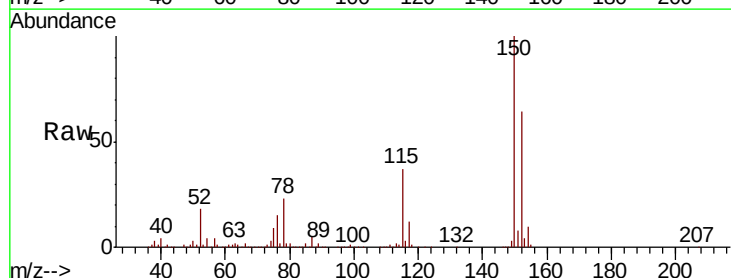


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

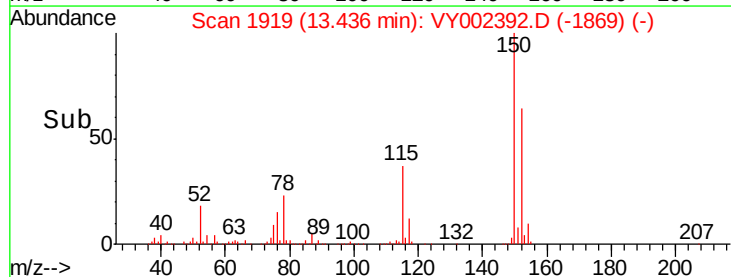
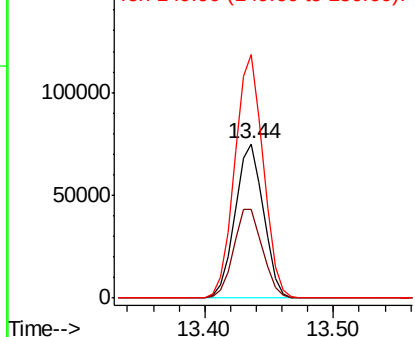


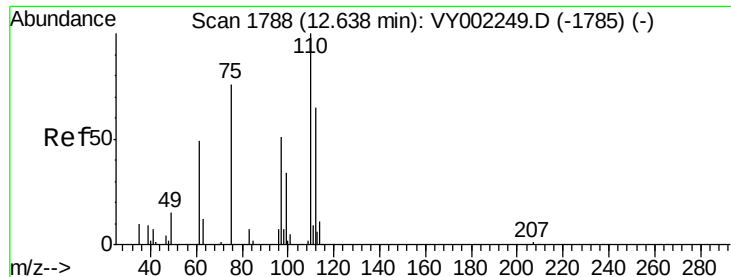
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002392.D
Acq: 17 Apr 2020 12:37

Tgt Ion:152 Resp: 114615
Ion Ratio Lower Upper
152 100
115 59.1 30.7 92.1
150 157.9 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: 41.860 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

Instrument :

MSVOA_Y

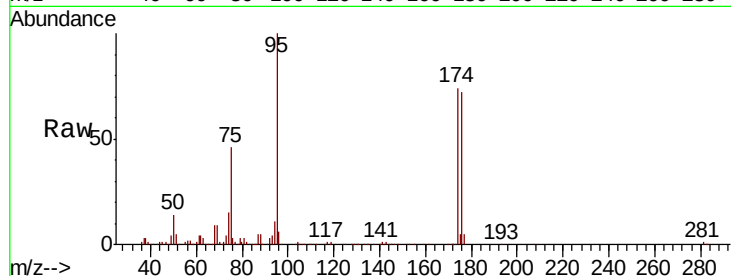
ClientSampleId :

Tot Ion: 75 Resp: 55713

Ion Ratio Lower Upper

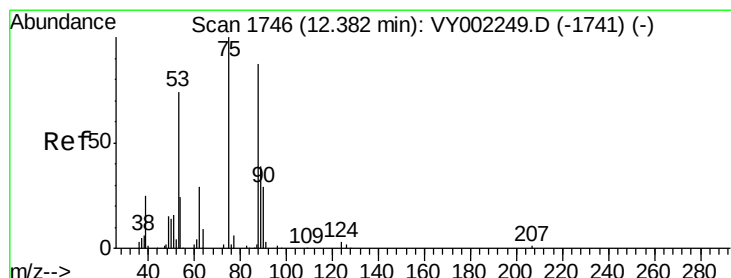
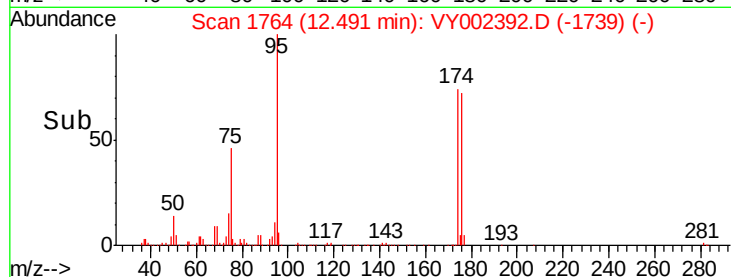
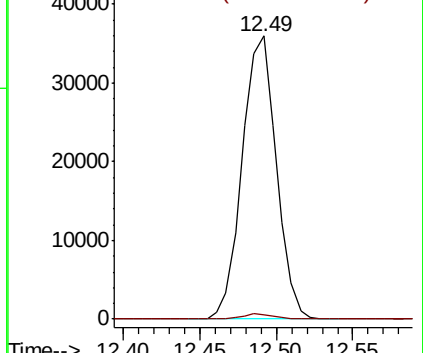
75 100

77 1.7 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: 81.417 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002392.D

Acq: 17 Apr 2020 12:37

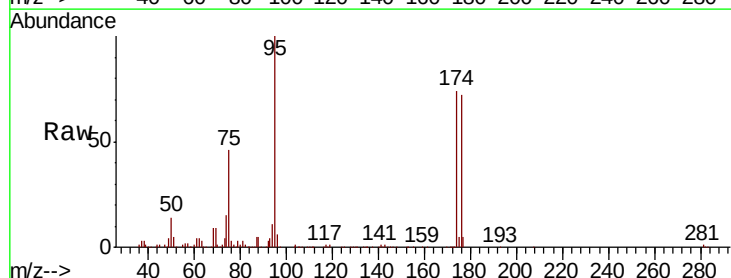
Tgt Ion: 75 Resp: 55713

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

