

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002402.D
 Acq On : 17 Apr 2020 16:19
 Operator : SY/MD
 Sample : L2271-09
 Misc : 3.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:38:47 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	7.81	168	24956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	43984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	33106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	11277	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	10217	36.81	ug/l	0.00
Spiked Amount			Recovery	=	73.62%	
35) Dibromofluoromethane	7.74	113	12357	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	10.19	98	48935	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	
62) 4-Bromofluorobenzene	12.49	95	12002	33.21	ug/l	0.00
Spiked Amount			Recovery	=	66.42%	

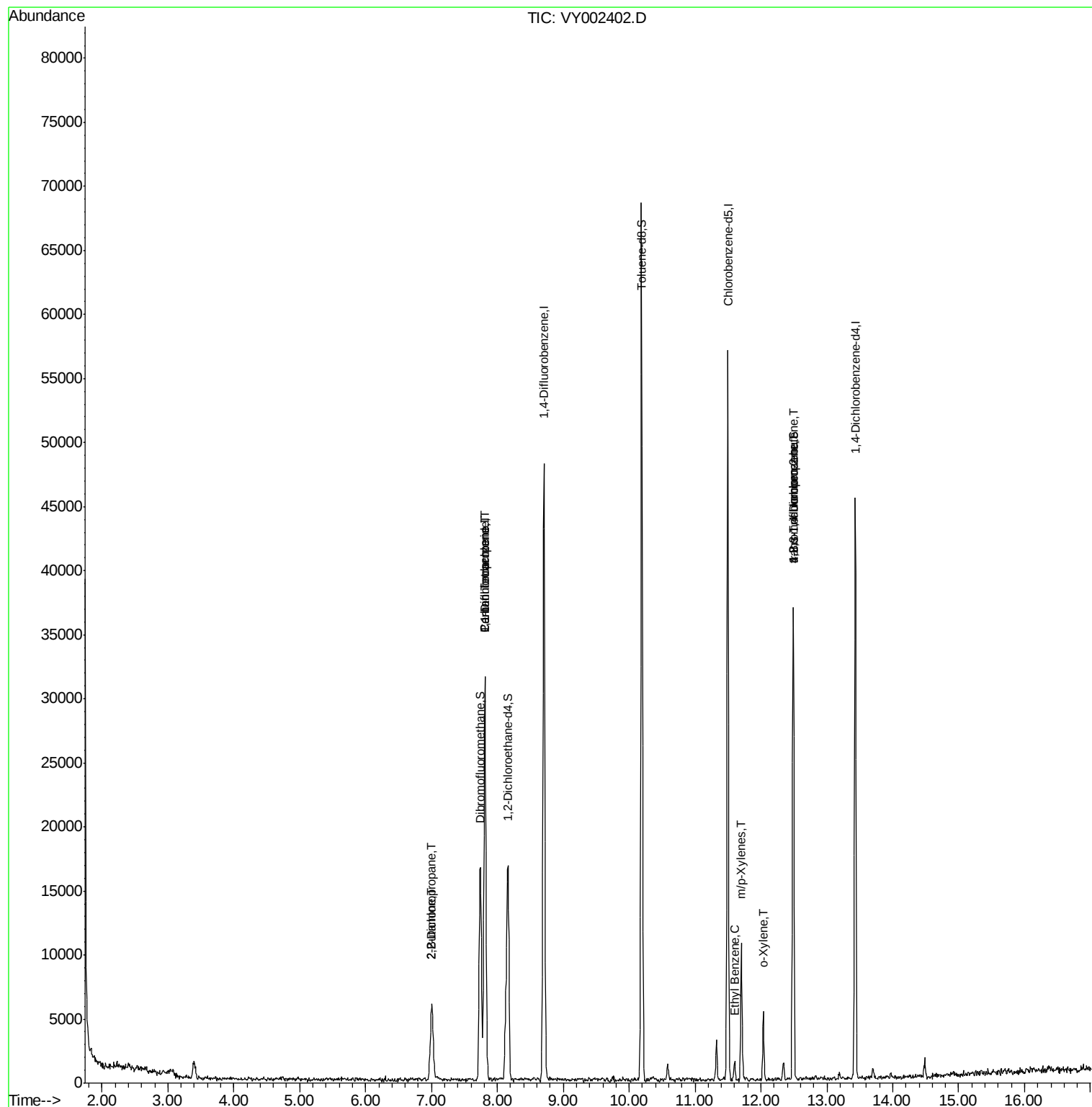
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	122	Below Cal	#	77
25) 2-Butanone	7.01	43	208	1.798	ug/l #	46
26) 2,2-Dichloropropane	7.00	77	475	1.019	ug/l #	51
36) 1,1-Dichloropropene	7.81	75	1970	4.547	ug/l #	49
38) Carbon Tetrachloride	7.81	117	2366	6.385	ug/l #	16
67) Ethyl Benzene	11.60	91	1358	1.078	ug/l #	87
68) m/p-Xylenes	11.70	106	3407	7.220	ug/l	88
69) o-Xylene	12.03	106	1652	3.729	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	5730	43.757	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	5730	85.107	ug/l #	19

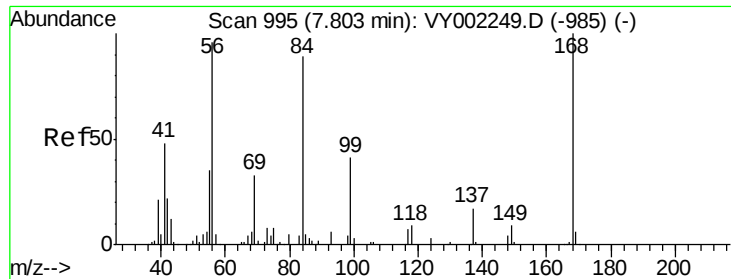
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002402.D

Acq: 17 Apr 2020 16:19

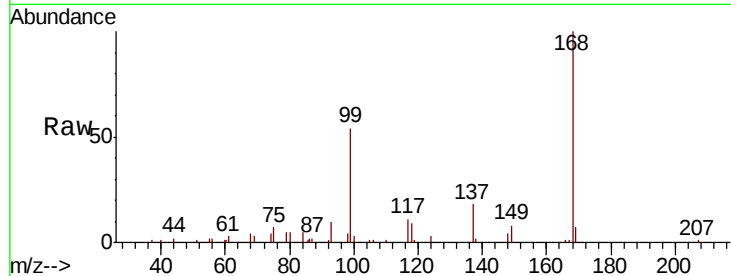
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 24956

Ion Ratio Lower Upper

168 100

99 54.0 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) (-)

7.81

12000

10000

8000

6000

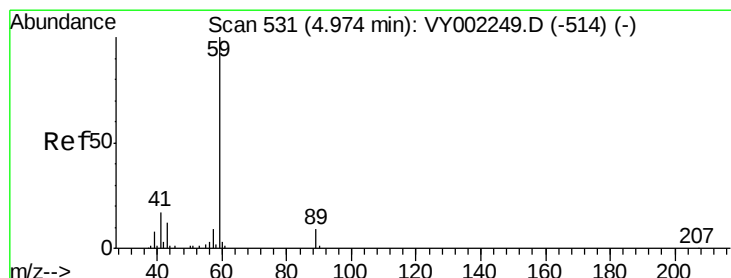
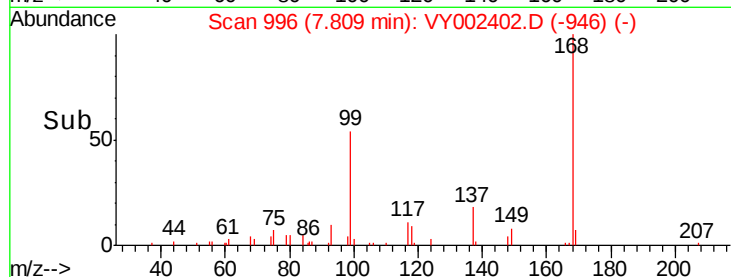
4000

2000

0

7.75 7.80 7.85 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002402.D

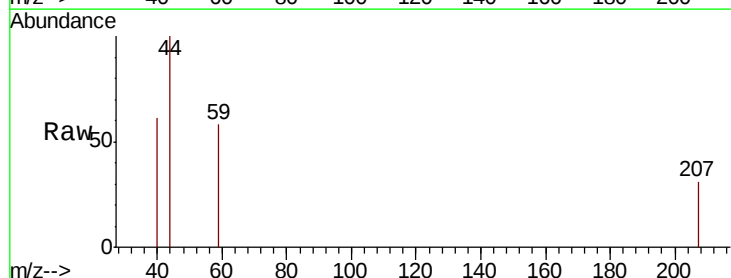
Acq: 17 Apr 2020 16:19

Tgt Ion: 59 Resp: 122

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

120

100

80

60

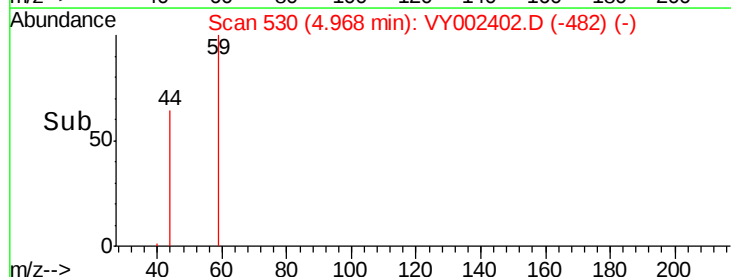
40

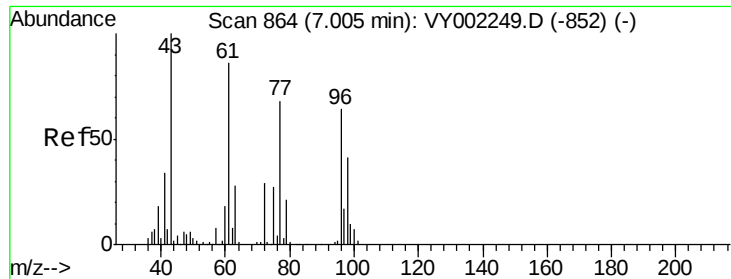
20

0

4.94 4.96 4.98 5.00

Time-->





#25

2-Butanone

Concen: 1.798 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002402.D

Acq: 17 Apr 2020 16:19

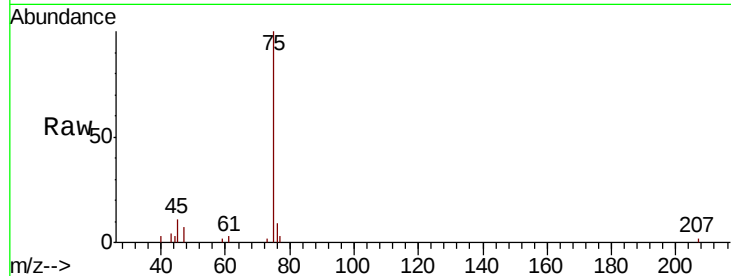
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 208

Ion Ratio Lower Upper

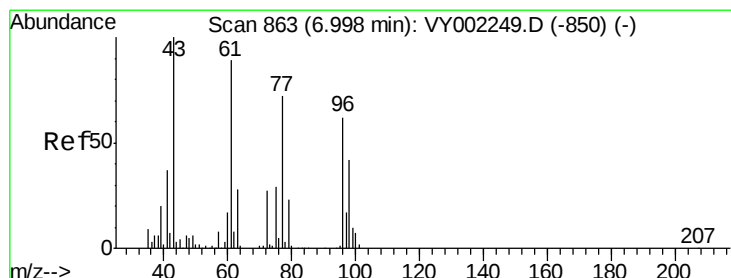
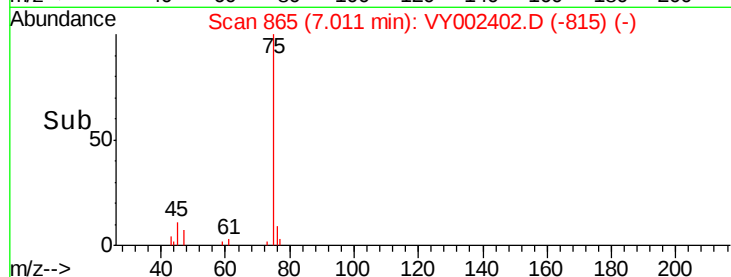
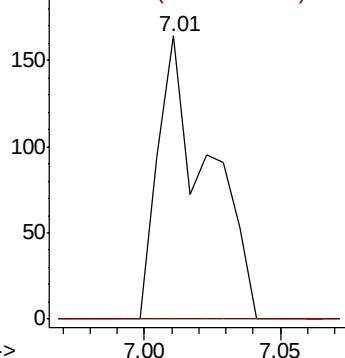
43 100

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



#26

2,2-Dichloropropane

Concen: 1.019 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002402.D

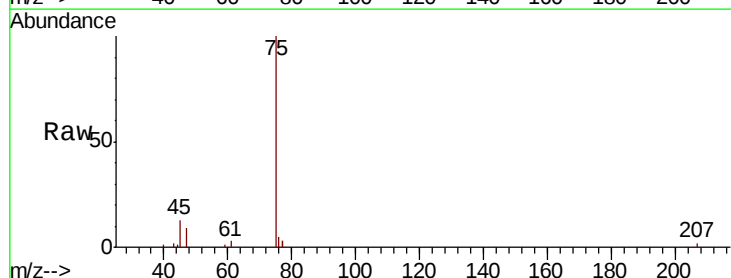
Acq: 17 Apr 2020 16:19

Tgt Ion: 77 Resp: 475

Ion Ratio Lower Upper

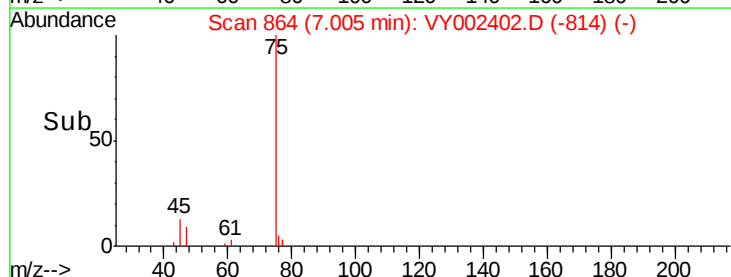
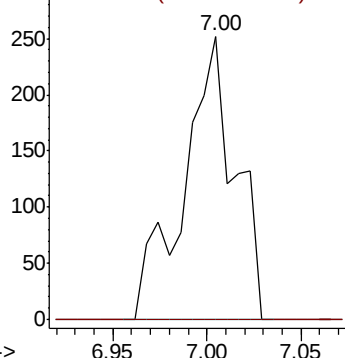
77 100

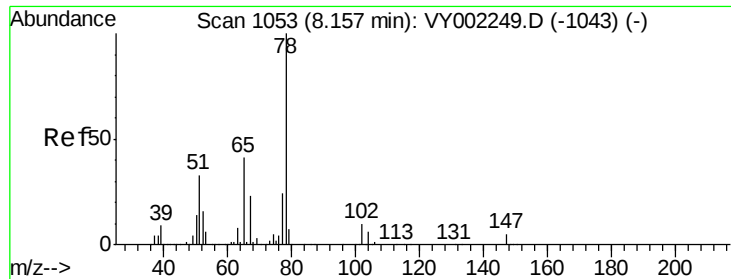
97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

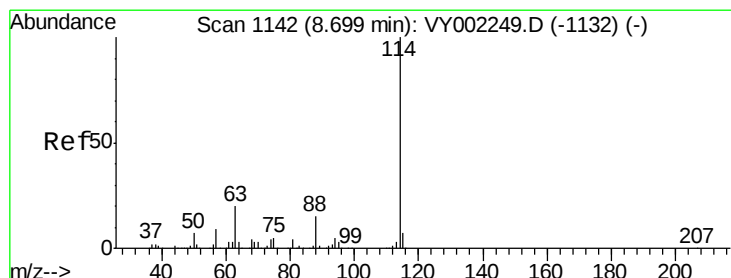
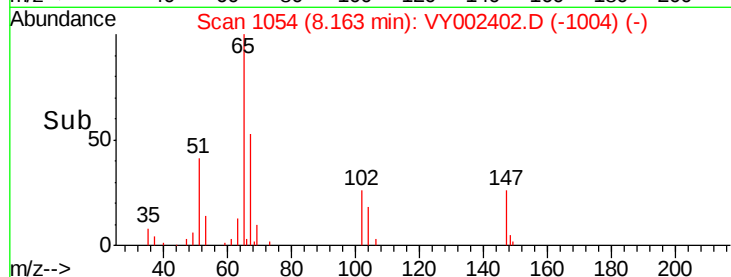
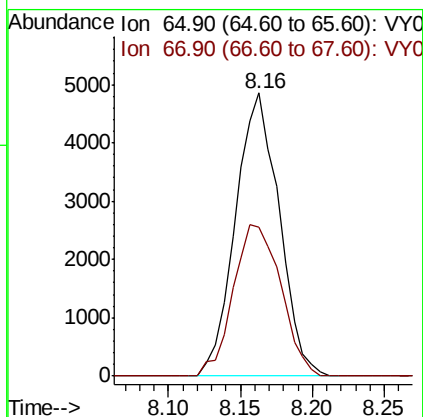
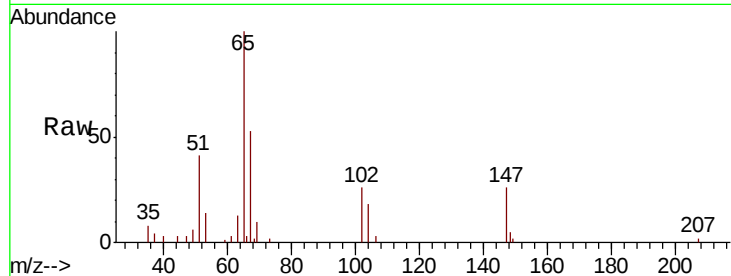




#33
 1,2-Dichloroethane-d4
 Concen: 36.814 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002402.D
 Acq: 17 Apr 2020 16:19

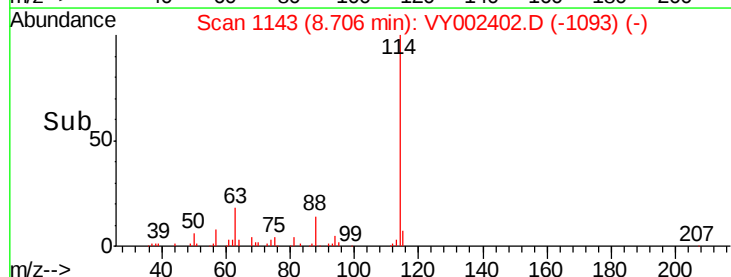
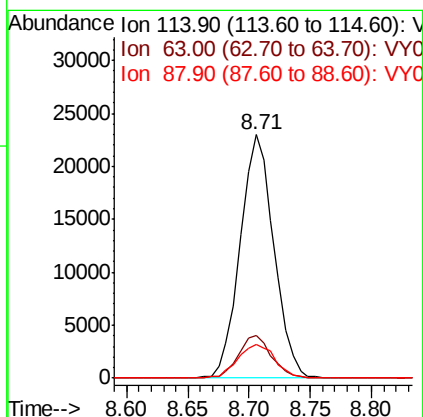
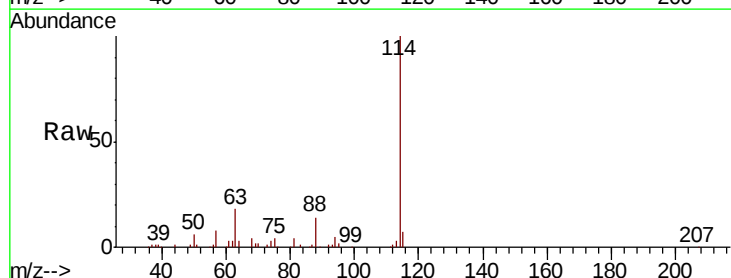
Instrument :
 MSVOA_Y
 ClientSampled :

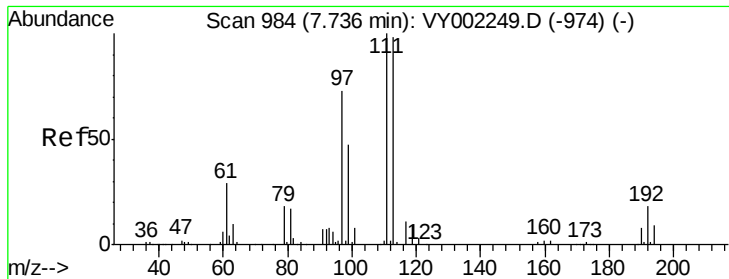
Tot Ion: 65 Resp: 10217
 Ion Ratio Lower Upper
 65 100
 67 58.4 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002402.D
 Acq: 17 Apr 2020 16:19

Tgt Ion: 114 Resp: 43984
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.0
 88 14.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.215 ug/l

RT: 7.74 min Scan# 985

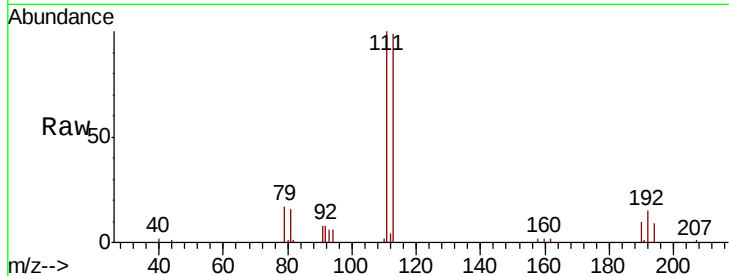
Delta R.T. 0.01 min

Lab File: VY002402.D

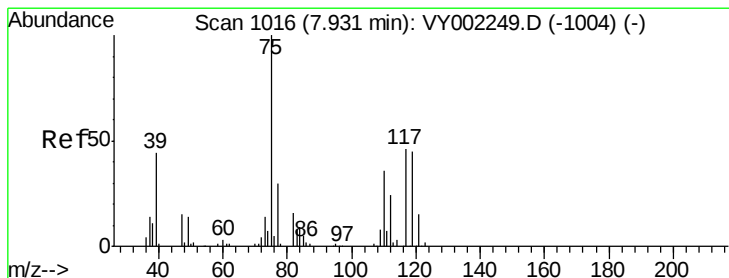
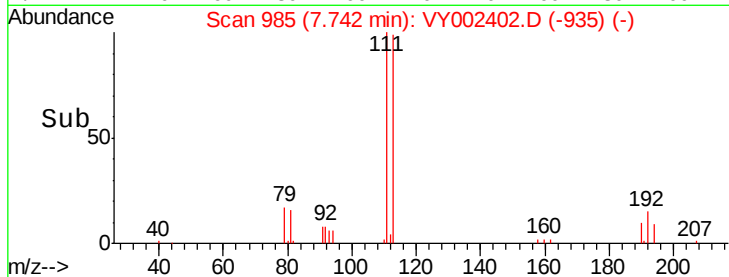
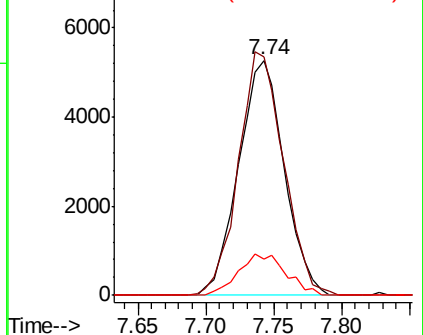
Acq: 17 Apr 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	113	Resp:	12357
Ion	Ratio	Lower	Upper
113	100		
111	102.1	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: 4.547 ug/l

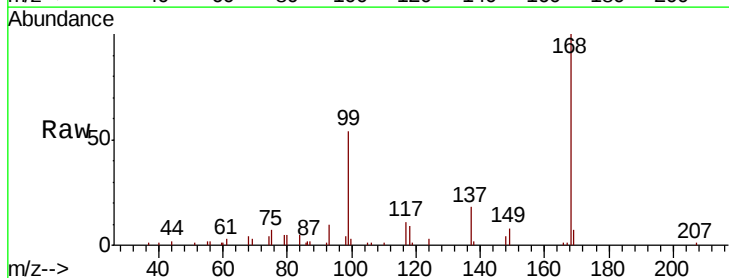
RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

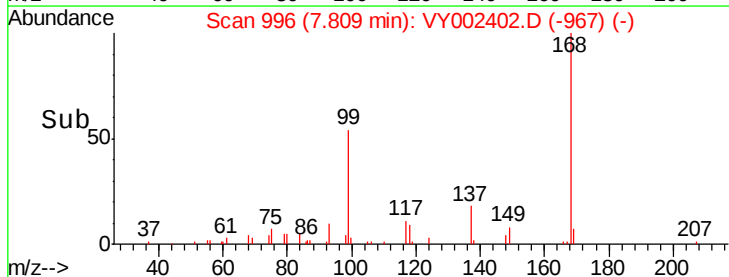
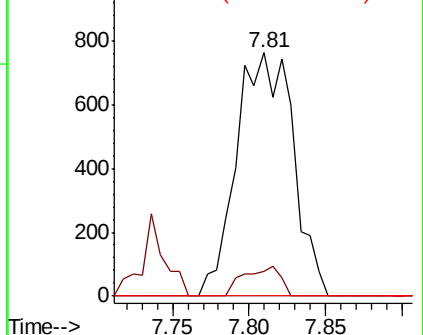
Lab File: VY002402.D

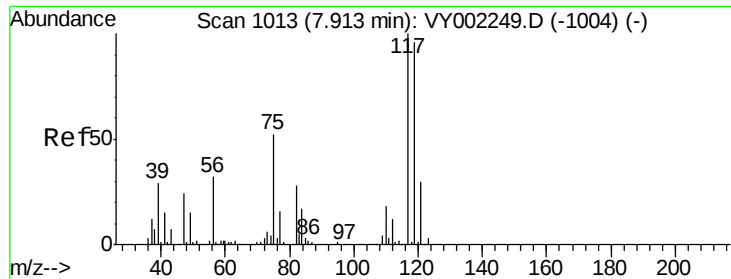
Acq: 17 Apr 2020 16:19

Tgt Ion:	75	Resp:	1970
Ion	Ratio	Lower	Upper
75	100		
110	7.8	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

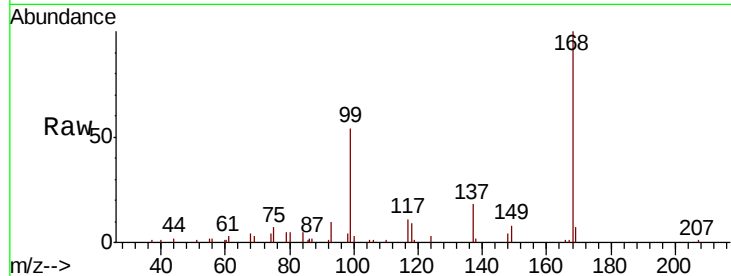




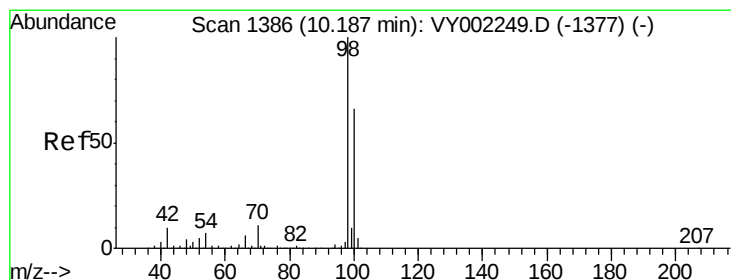
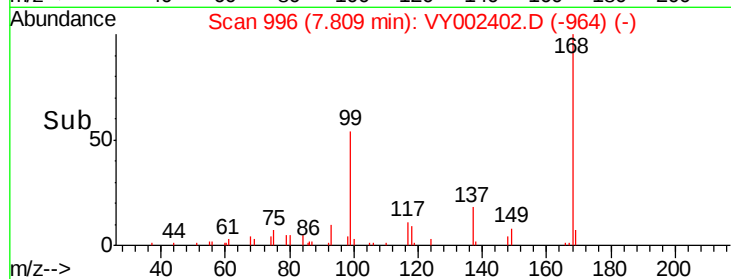
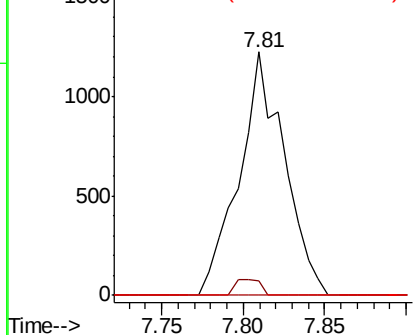
#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY002402.D
Acq: 17 Apr 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 2366
Ion Ratio Lower Upper
117 100
119 5.9 77.1 115.7#
121 0.0 23.9 35.9#

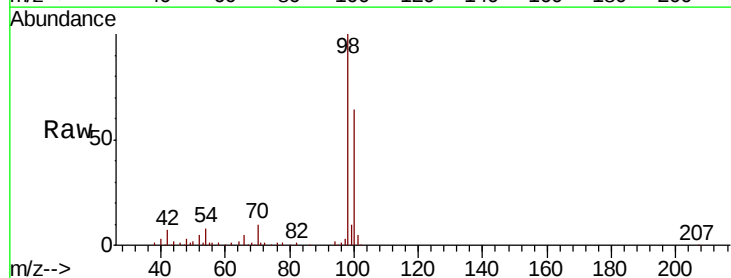


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

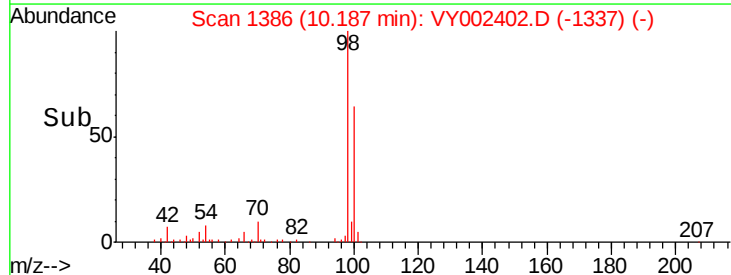
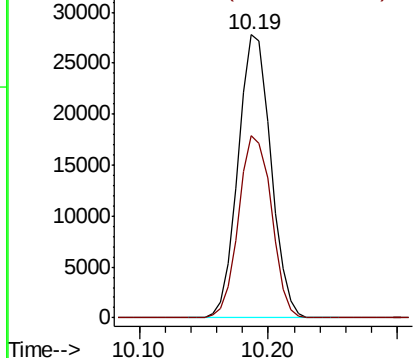


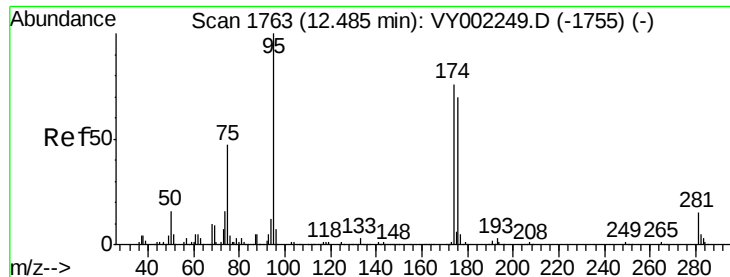
#50
Toluene-d8
Concen: 44.671 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002402.D
Acq: 17 Apr 2020 16:19

Tgt Ion: 98 Resp: 48935
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



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

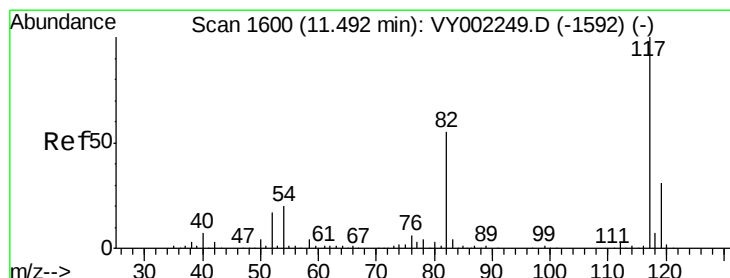
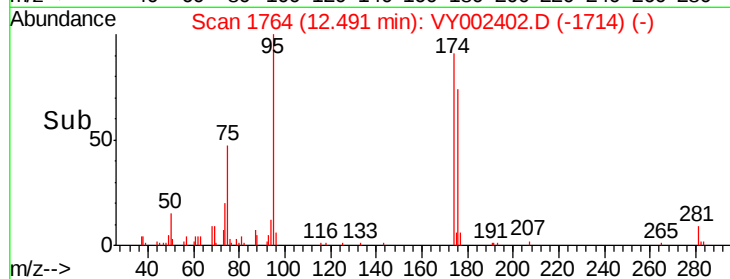
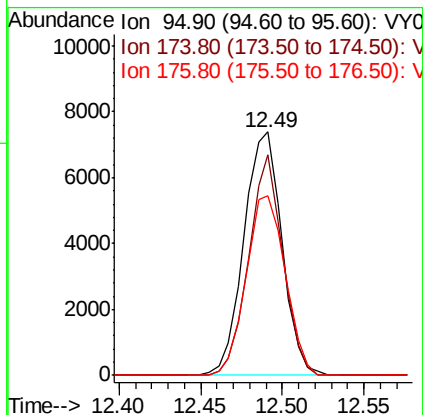
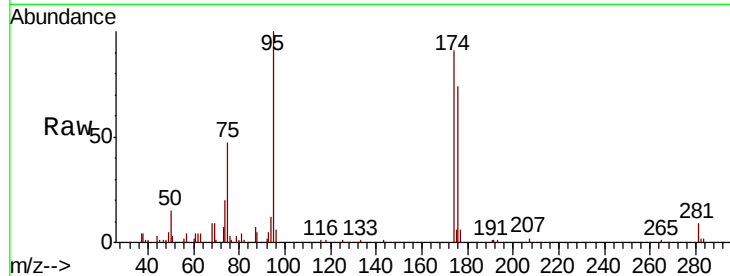




#62
4-Bromofluorobenzene
Concen: 33.209 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002402.D
Acq: 17 Apr 2020 16:19

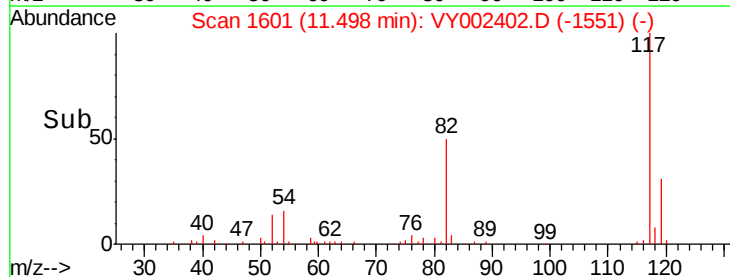
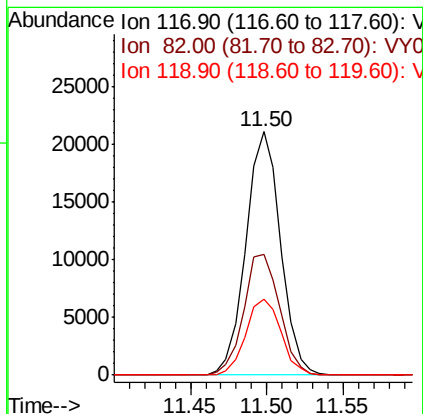
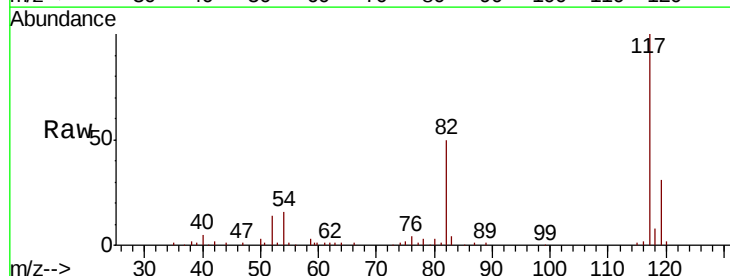
Instrument :
MSVOA_Y
ClientSampleId :

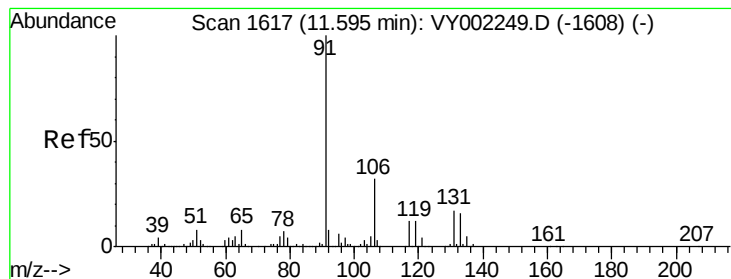
Tot Ion: 95 Resp: 12002
Ion Ratio Lower Upper
95 100
174 80.8 0.0 150.6
176 76.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002402.D
Acq: 17 Apr 2020 16:19

Tgt Ion: 117 Resp: 33106
Ion Ratio Lower Upper
117 100
82 49.7 44.2 66.4
119 31.0 25.1 37.7





#67

Ethyl Benzene

Concen: 1.078 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY002402.D

Acq: 17 Apr 2020 16:19

Instrument :

MSVOA_Y

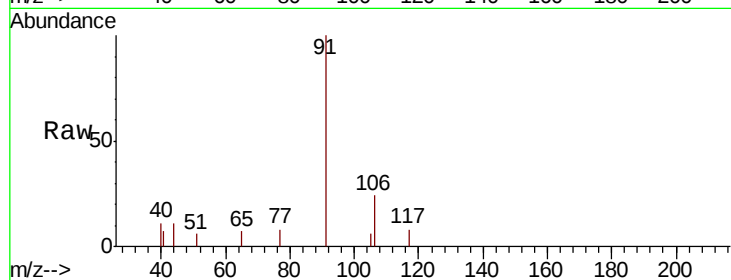
ClientSampleId :

Tot Ion: 91 Resp: 1358

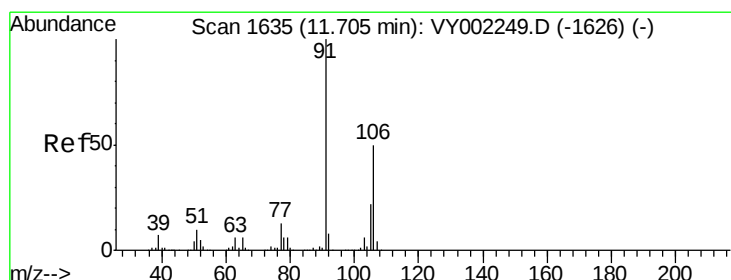
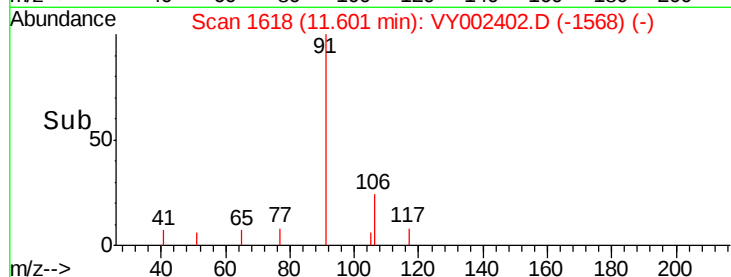
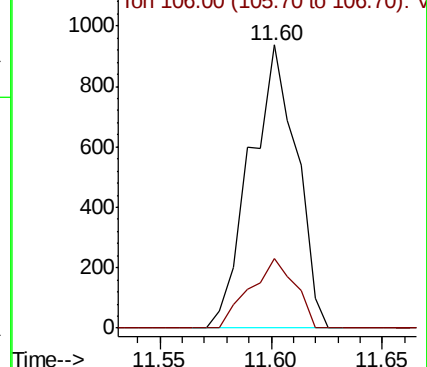
Ion Ratio Lower Upper

91 100

106 24.4 25.4 38.0#



Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1608) (-)



#68

m/p-Xylenes

Concen: 7.220 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY002402.D

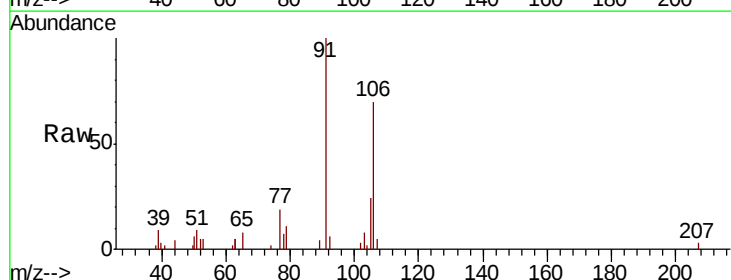
Acq: 17 Apr 2020 16:19

Tgt Ion: 106 Resp: 3407

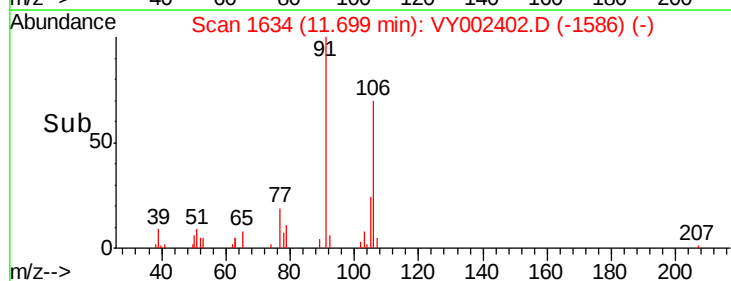
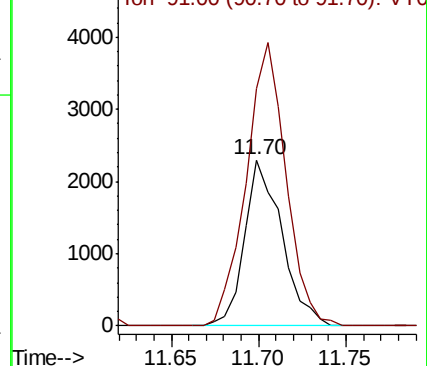
Ion Ratio Lower Upper

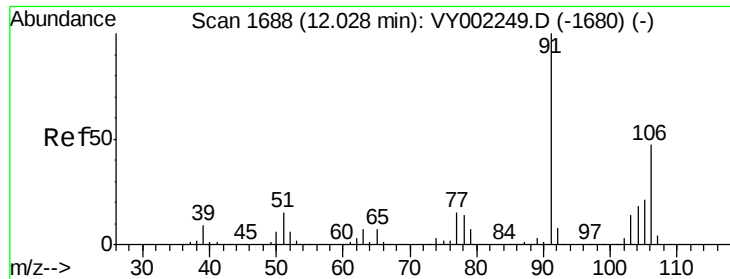
106 100

91 181.5 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VY002249.D (-1626) (-)

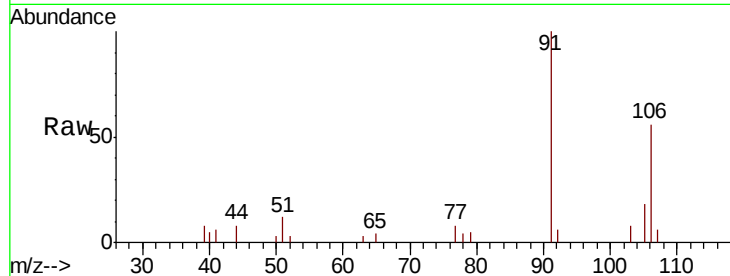




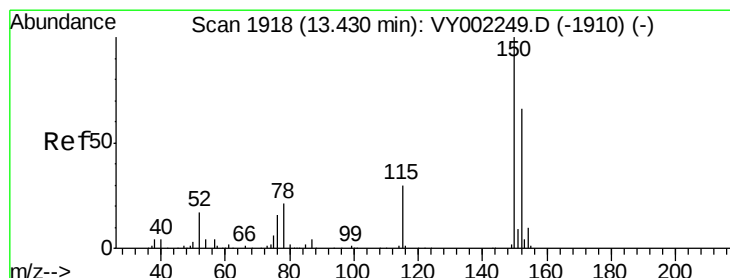
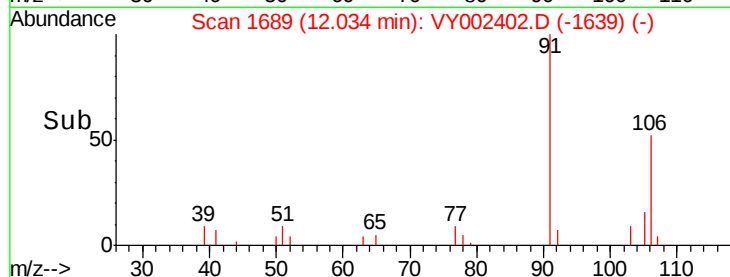
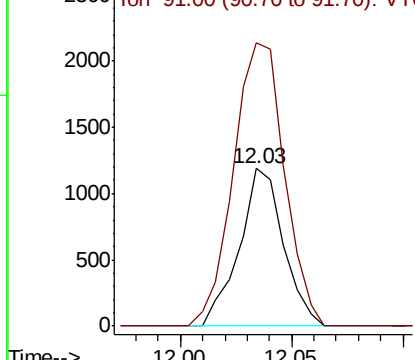
#69
o-Xylene
Concen: 3.729 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002402.D
Acq: 17 Apr 2020 16:19

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 1652
Ion Ratio Lower Upper
106 100
91 206.7 105.8 317.3

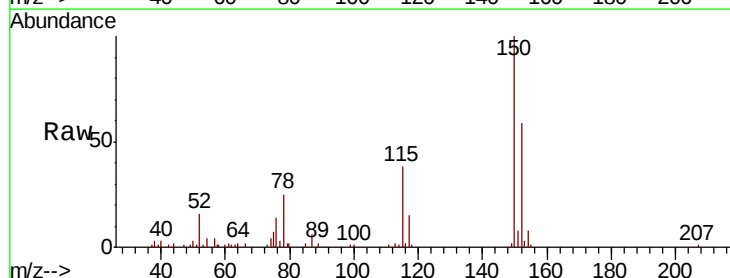


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

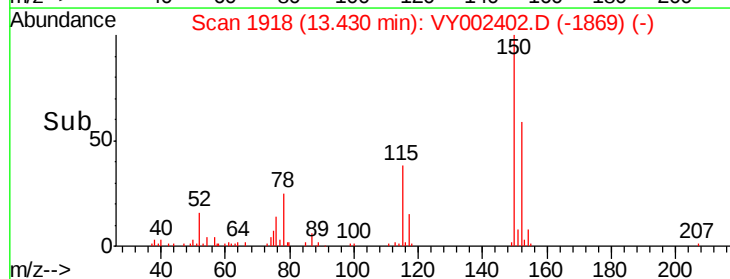
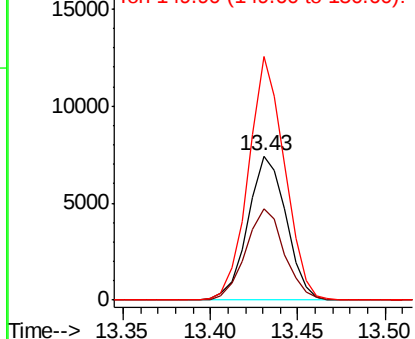


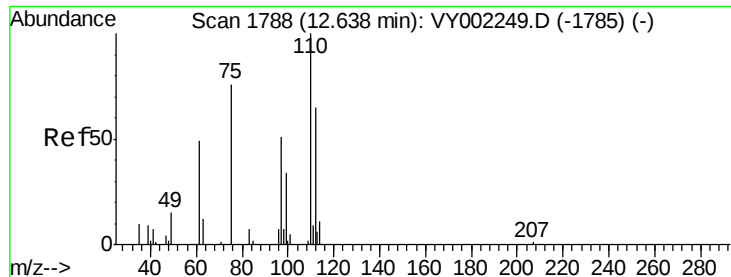
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002402.D
Acq: 17 Apr 2020 16:19

Tgt Ion:152 Resp: 11277
Ion Ratio Lower Upper
152 100
115 63.6 30.7 92.1
150 159.5 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: 43.757 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002402.D

Acq: 17 Apr 2020 16:19

Instrument :

MSVOA_Y

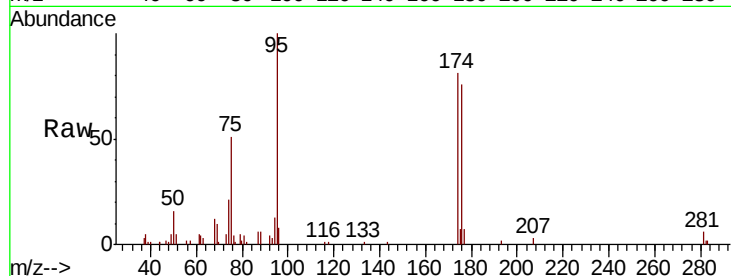
ClientSampleId :

Tot Ion: 75 Resp: 5730

Ion Ratio Lower Upper

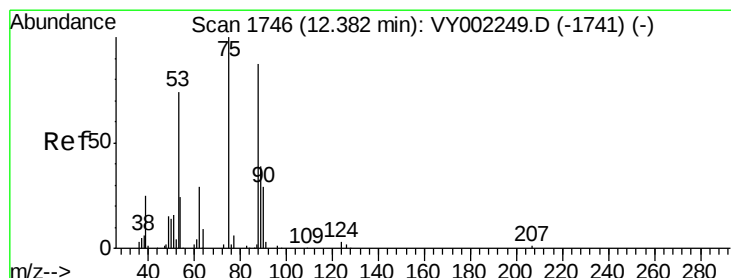
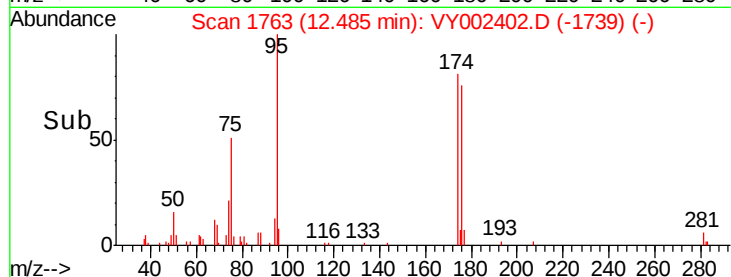
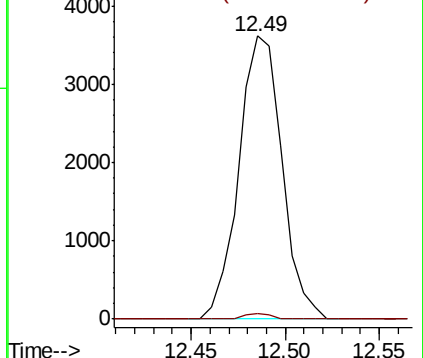
75 100

77 1.2 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: 85.107 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002402.D

Acq: 17 Apr 2020 16:19

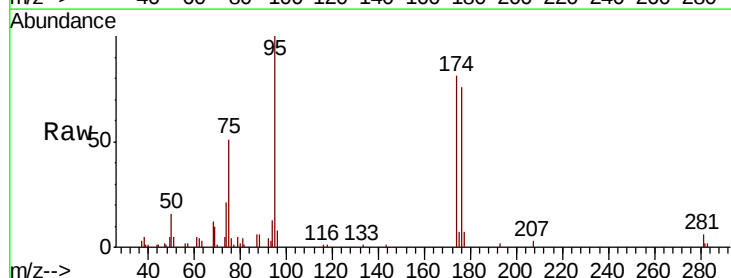
Tgt Ion: 75 Resp: 5730

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

