

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002403.D
 Acq On : 17 Apr 2020 16:41
 Operator : SY/MD
 Sample : L2271-10
 Misc : 4.28G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:39:00 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	22683	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	38879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	27541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	8817	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	7238	28.69	ug/l	0.00
Spiked Amount			Recovery	=	57.38%	
35) Dibromofluoromethane	7.74	113	10042	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	
50) Toluene-d8	10.19	98	44819	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.49	95	9618	30.11	ug/l	0.00
Spiked Amount			Recovery	=	60.22%	

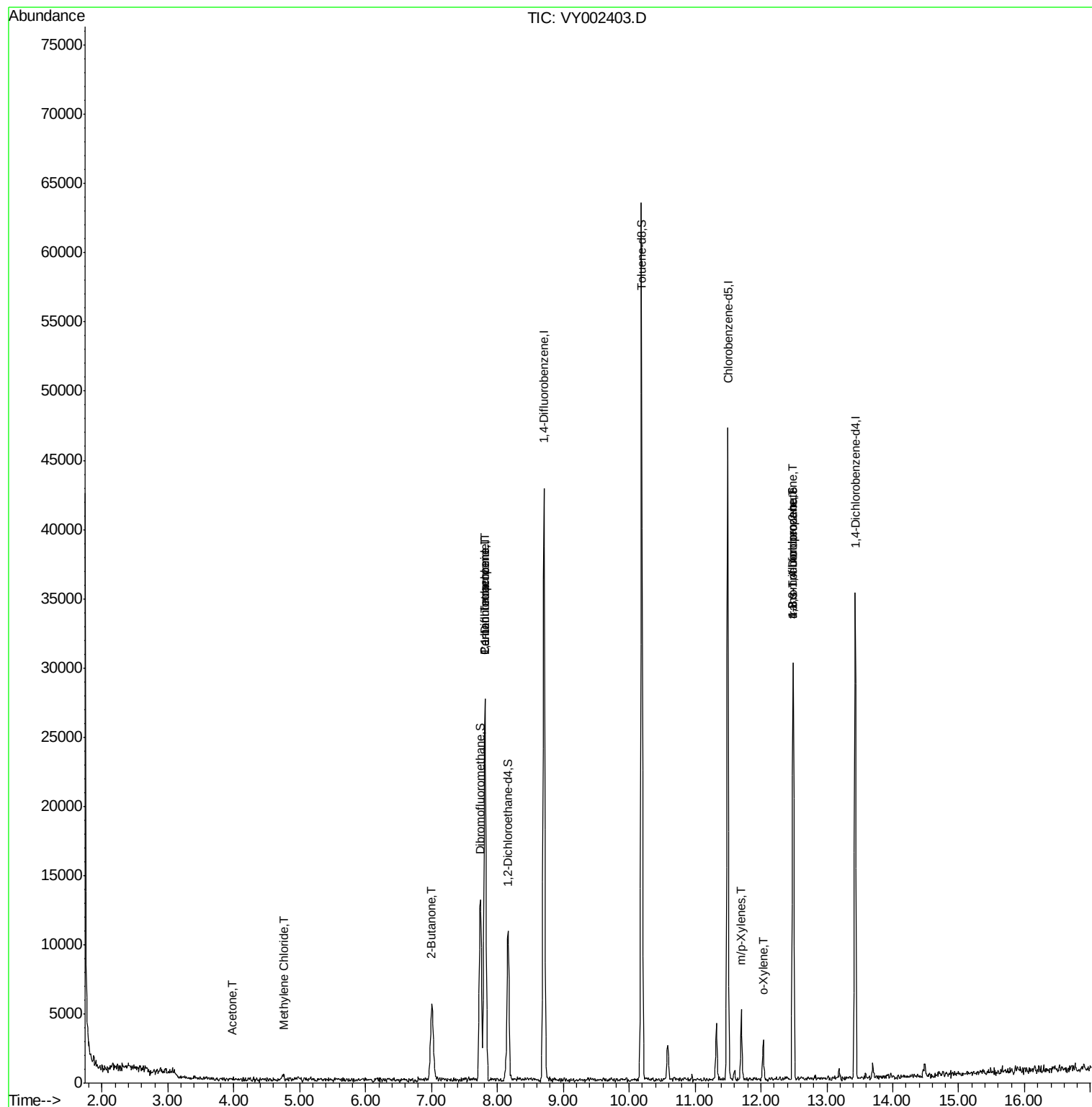
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	93	Below Cal	#	77
16) Acetone	3.98	43	94	1.415	ug/l #	39
20) Methylene Chloride	4.76	84	340	1.041	ug/l #	49
25) 2-Butanone	7.01	43	181	1.721	ug/l #	46
36) 1,1-Dichloropropene	7.81	75	1920	5.014	ug/l #	46
38) Carbon Tetrachloride	7.81	117	2437	7.440	ug/l #	12
68) m/p-Xylenes	11.70	106	1572	4.005	ug/l	95
69) o-Xylene	12.03	106	814	2.209	ug/l	85
76) 1,2,3-Trichloropropane	12.49	75	4312	42.116	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	4312	81.914	ug/l #	19

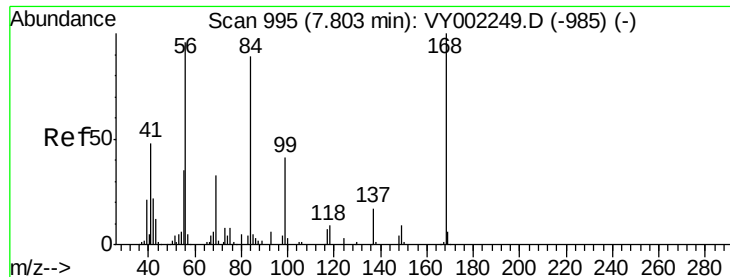
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002403.D

Acq: 17 Apr 2020 16:41

Instrument :

MSVOA_Y

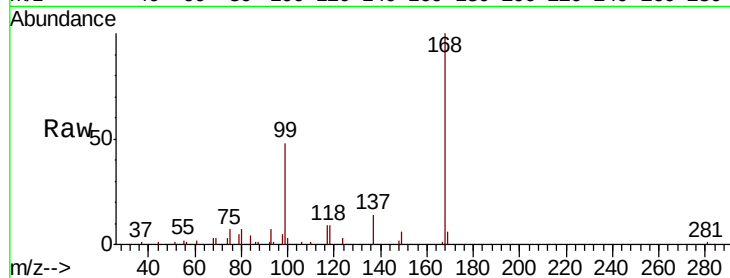
ClientSampled :

Tot Ion:168 Resp: 22683

Ion Ratio Lower Upper

168 100

99 47.7 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

12000

10000

8000

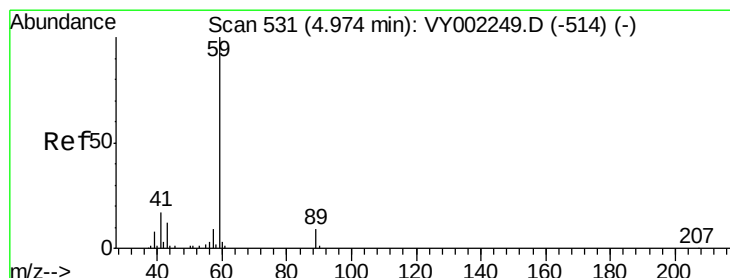
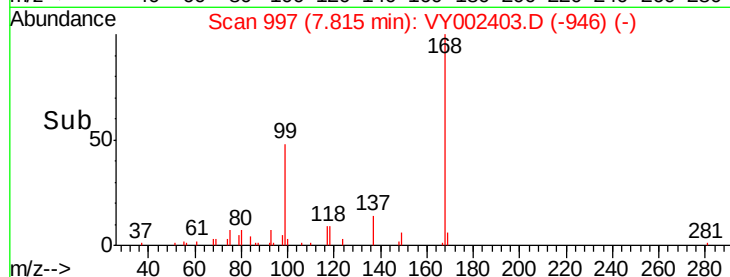
6000

4000

2000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002403.D

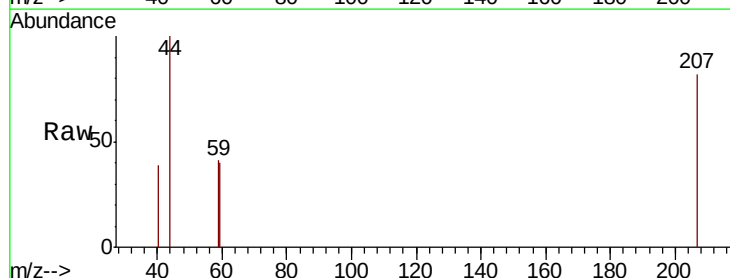
Acq: 17 Apr 2020 16:41

Tgt Ion: 59 Resp: 93

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) (-)

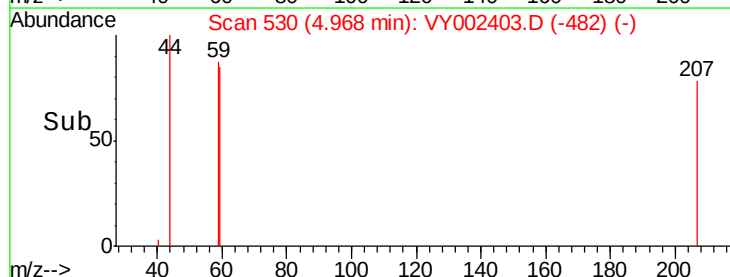
4.97

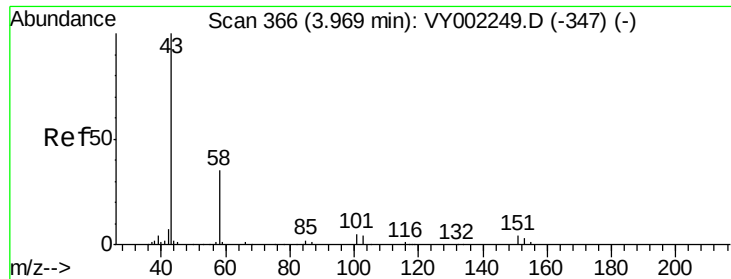
100

50

0

Time--> 4.94 4.95 4.96 4.97 4.98





#16

Acetone

Concen: 1.415 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

Instrument :

MSVOA_Y

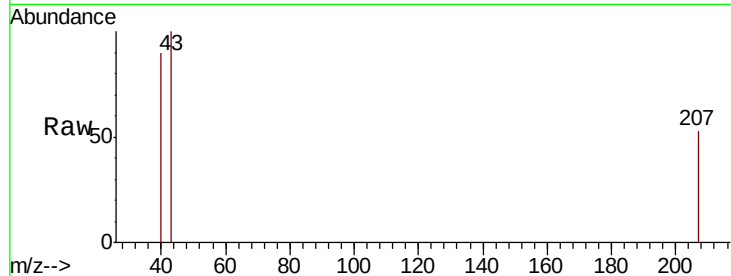
ClientSampled :

Tot Ion: 43 Resp: 94

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

100

80

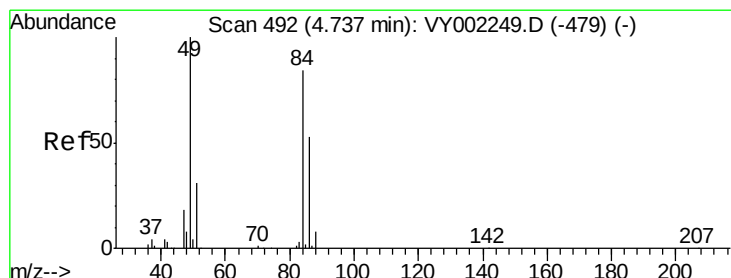
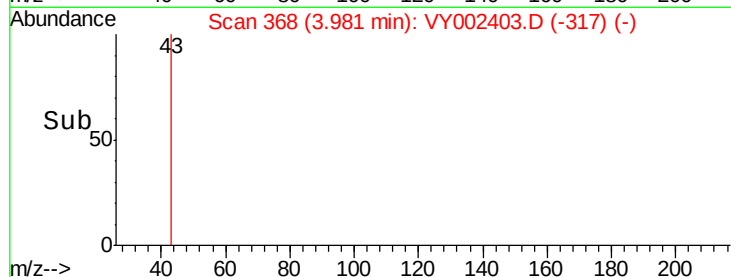
60

40

20

0

Time-->



#20

Methylene Chloride

Concen: 1.041 ug/l

RT: 4.76 min Scan# 495

Delta R.T. 0.02 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

Tgt Ion: 84 Resp: 340

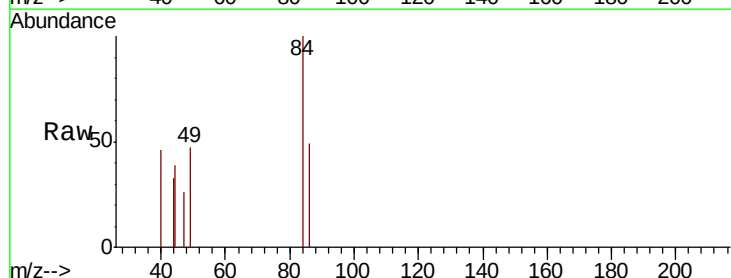
Ion Ratio Lower Upper

84 100

49 46.8 95.5 143.3#

51 0.0 29.5 44.3#

86 48.8 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

4.76

200

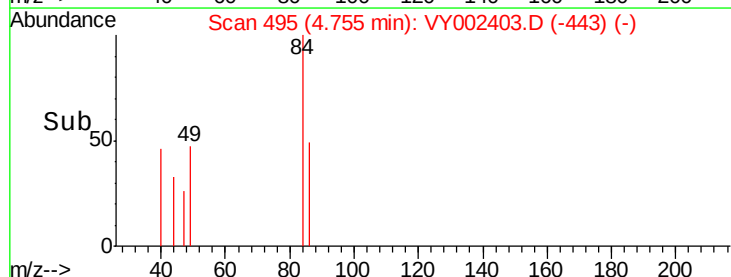
150

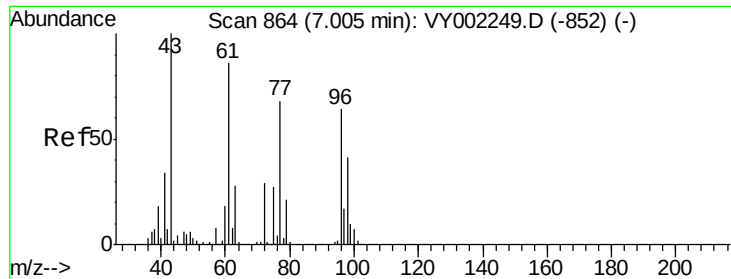
100

50

0

Time-->





#25

2-Butanone

Concen: 1.721 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

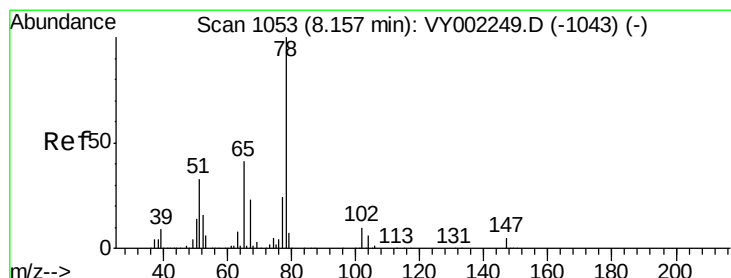
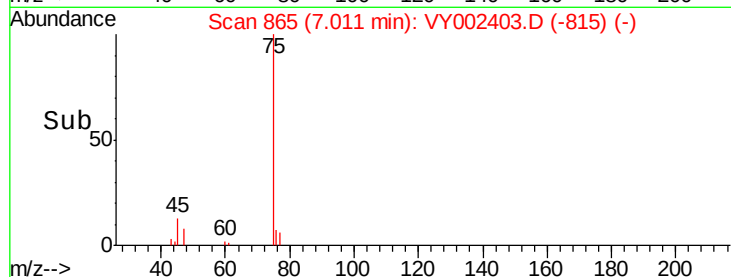
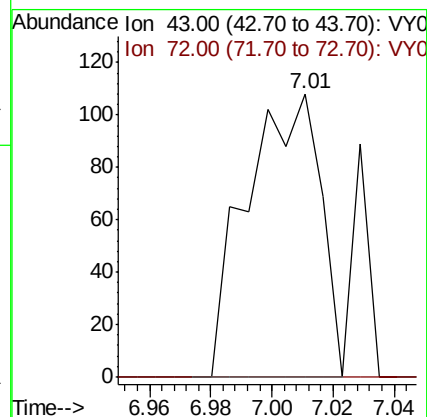
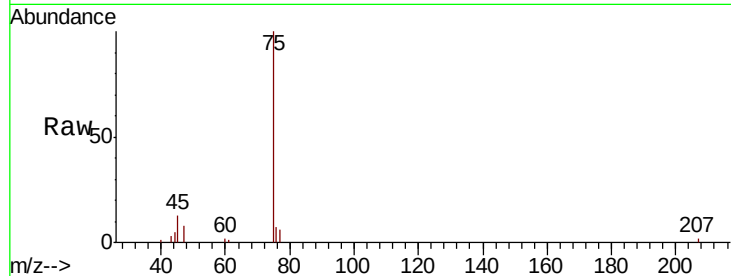
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 181

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#33

1,2-Dichloroethane-d4

Concen: 28.694 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002403.D

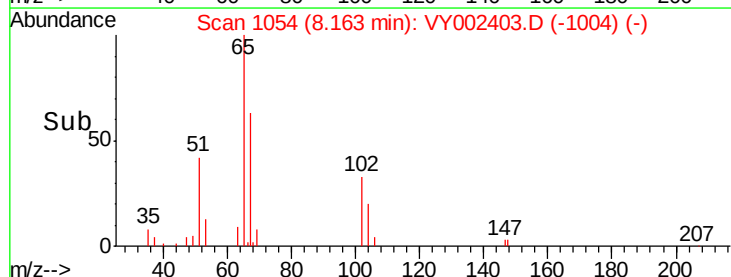
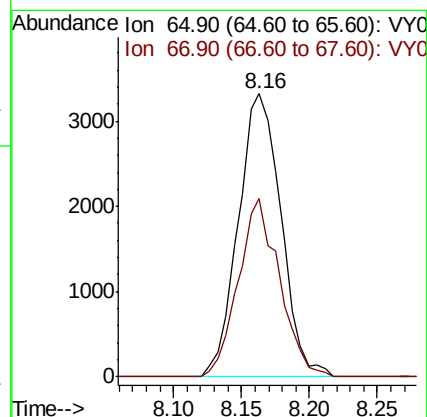
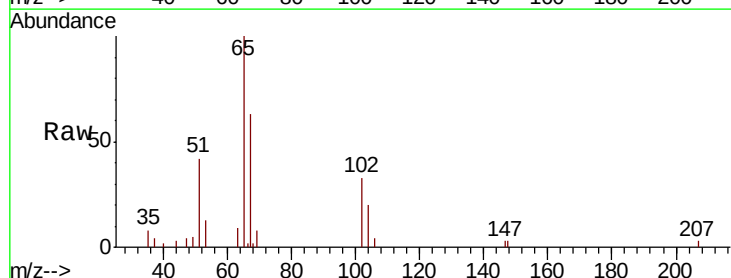
Acq: 17 Apr 2020 16:41

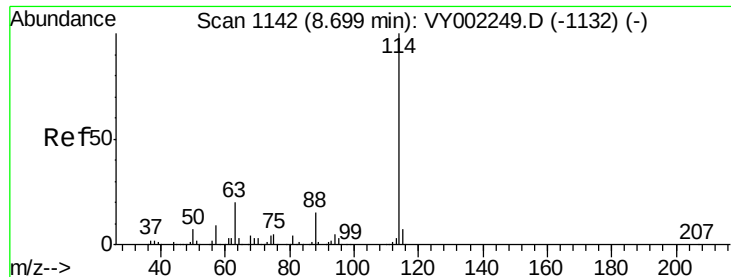
Tgt Ion: 65 Resp: 7238

Ion Ratio Lower Upper

65 100

67 60.8 0.0 114.0

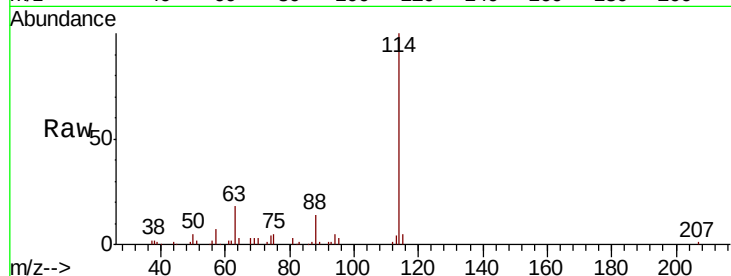




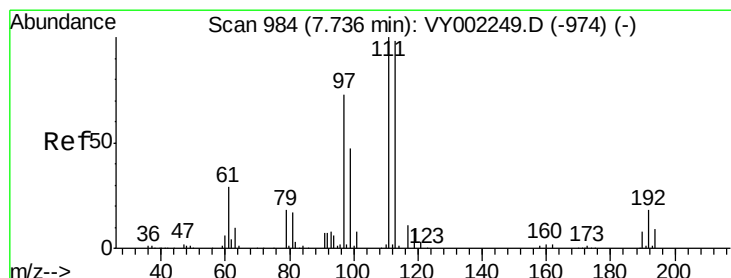
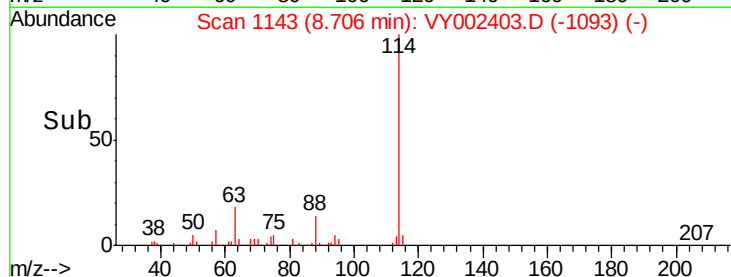
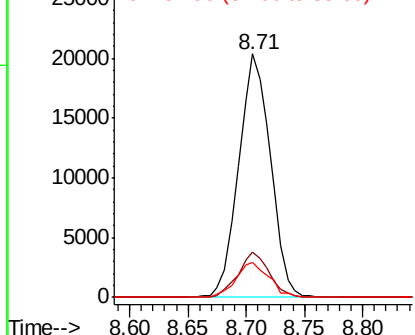
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002403.D
 Acq: 17 Apr 2020 16:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 38879
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.0
 88 14.3 0.0 31.0

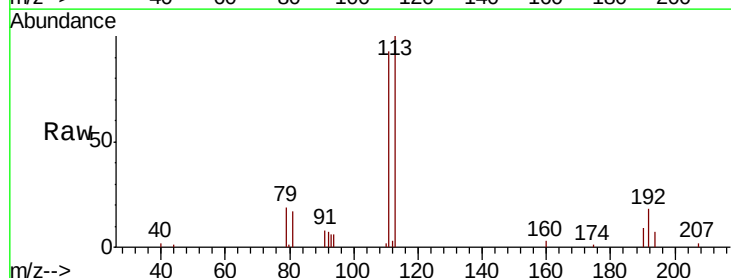


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

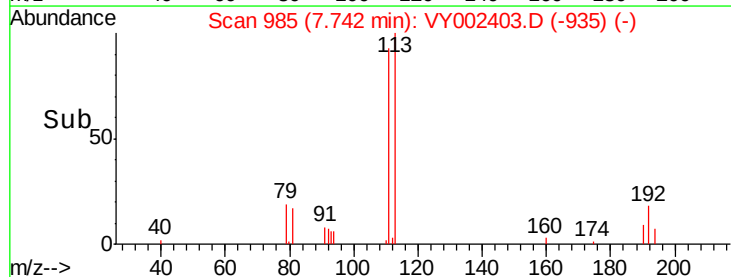
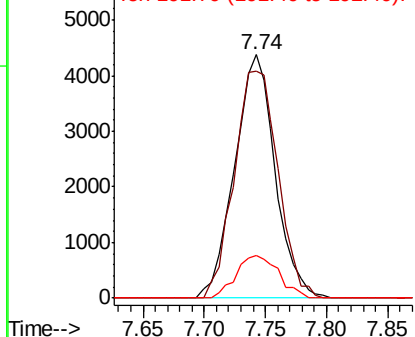


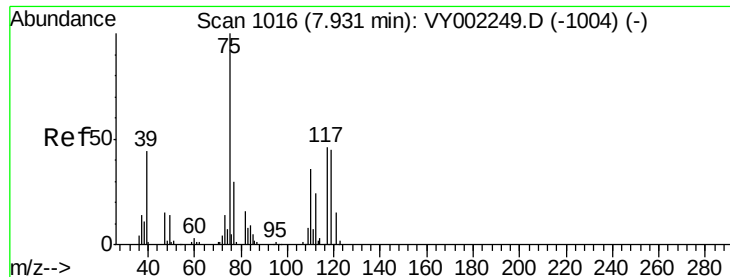
#35
 Dibromofluoromethane
 Concen: 43.407 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002403.D
 Acq: 17 Apr 2020 16:41

Tgt Ion:113 Resp: 10042
 Ion Ratio Lower Upper
 113 100
 111 100.7 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

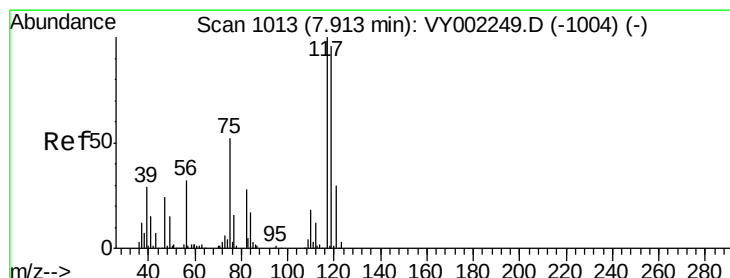
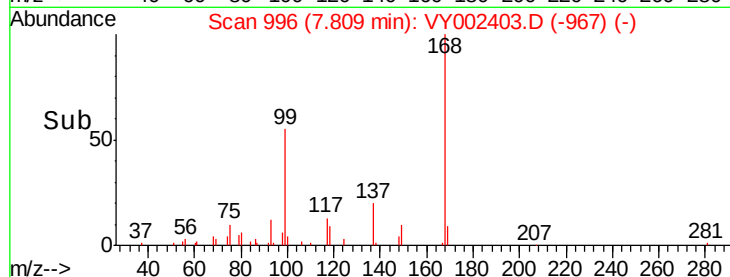
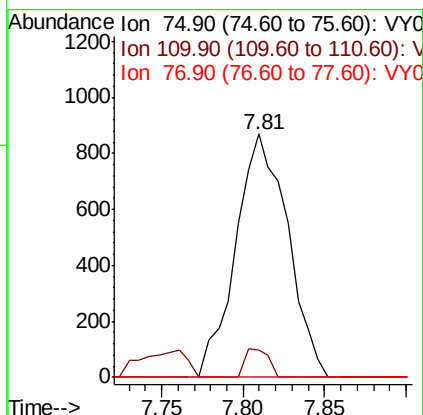
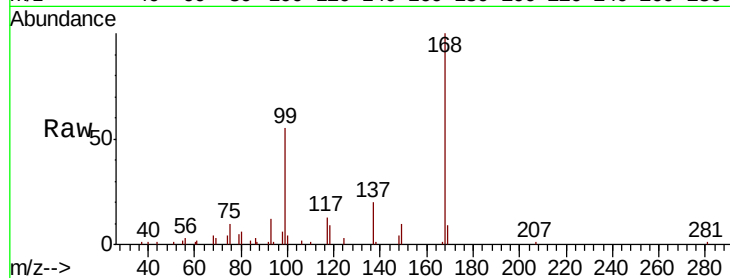




#36
 1,1-Dichloropropene
 Concen: 5.014 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002403.D
 Acq: 17 Apr 2020 16:41

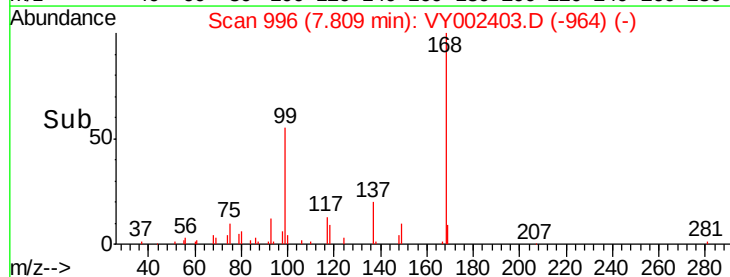
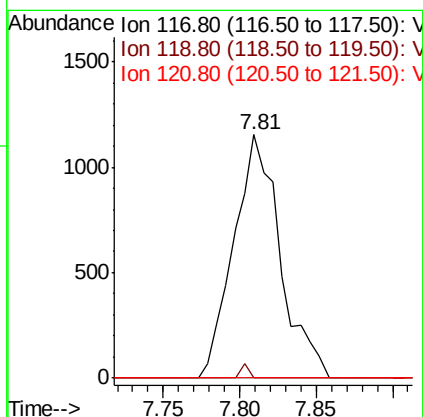
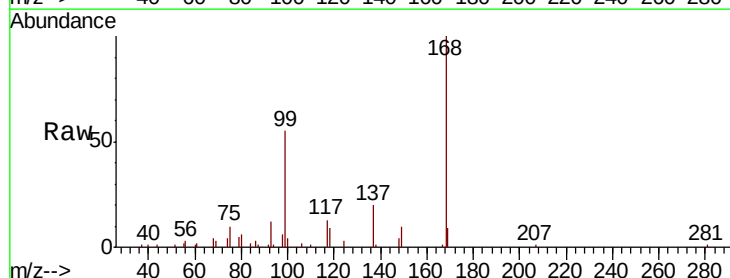
Instrument :
 MSVOA_Y
 ClientSampleId :

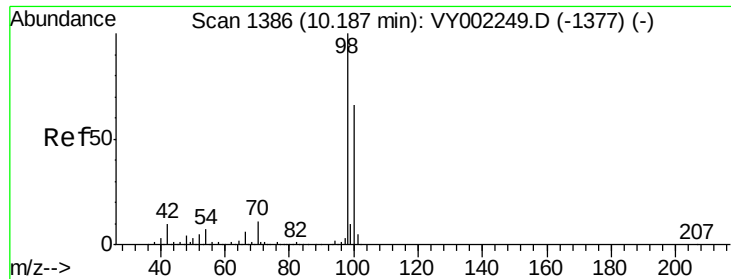
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.3	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.440 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY002403.D
 Acq: 17 Apr 2020 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 46.286 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

Instrument :

MSVOA_Y

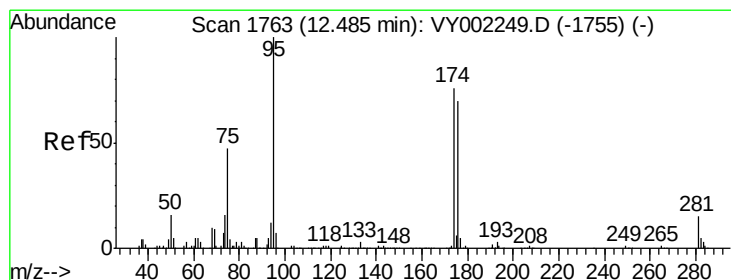
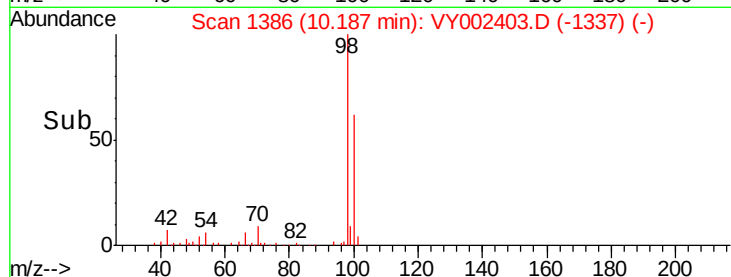
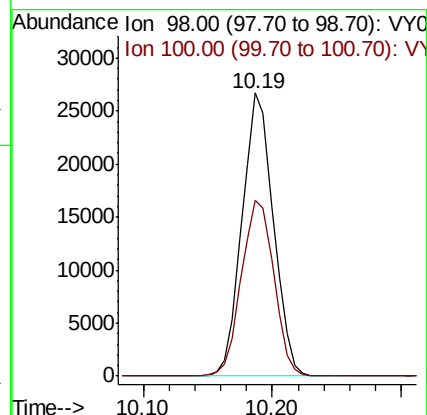
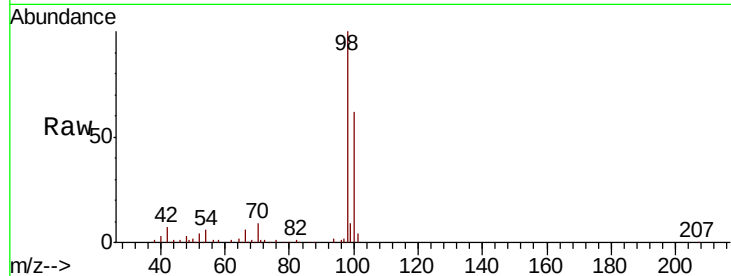
ClientSampleId :

Tot Ion: 98 Resp: 44819

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 30.107 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

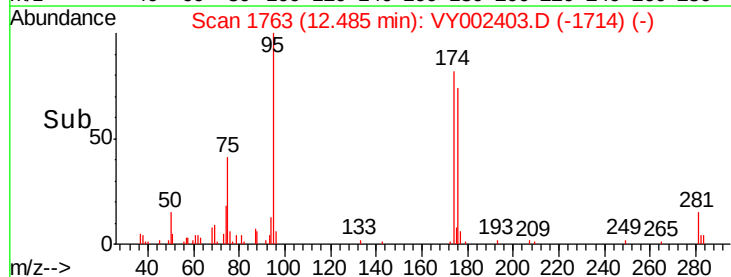
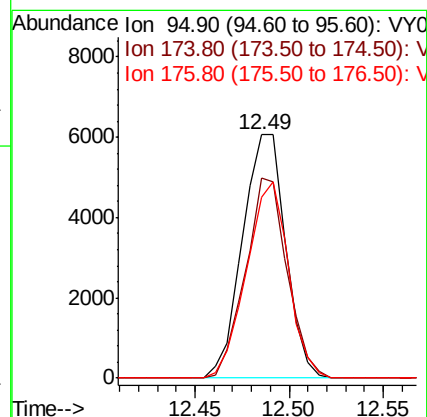
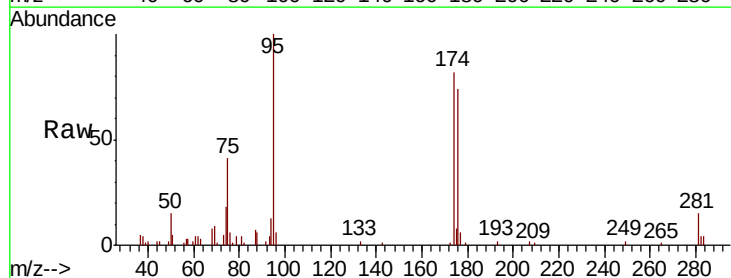
Tgt Ion: 95 Resp: 9618

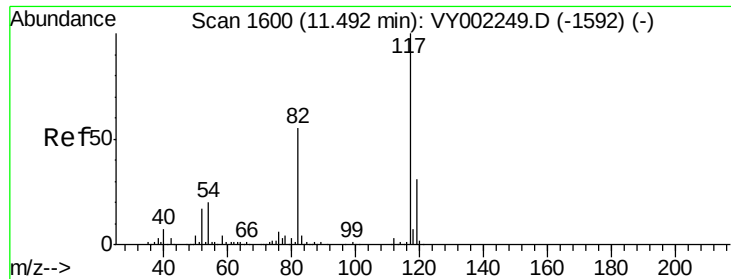
Ion Ratio Lower Upper

95 100

174 79.5 0.0 150.6

176 78.1 0.0 141.4

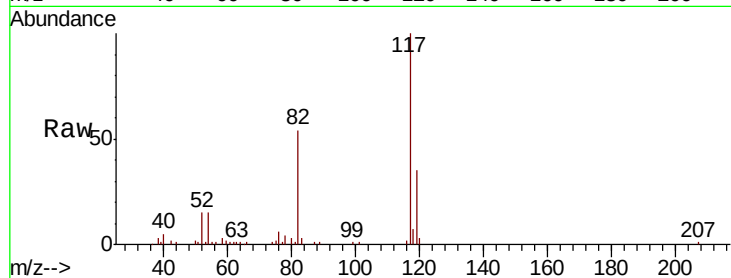




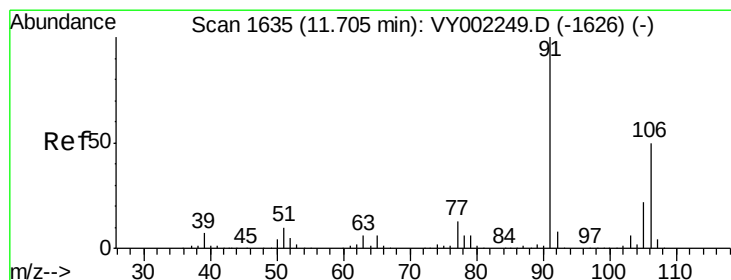
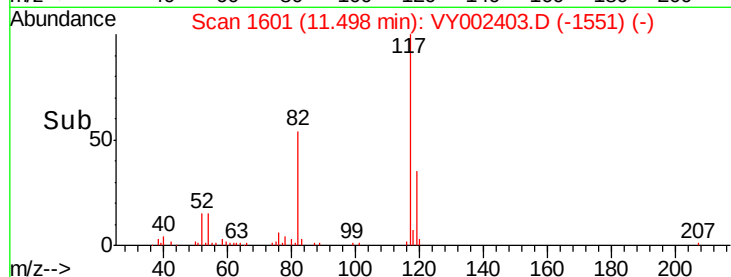
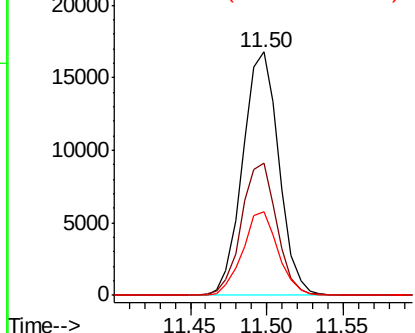
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002403.D
Acq: 17 Apr 2020 16:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 27541
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.4
119 34.6 25.1 37.7

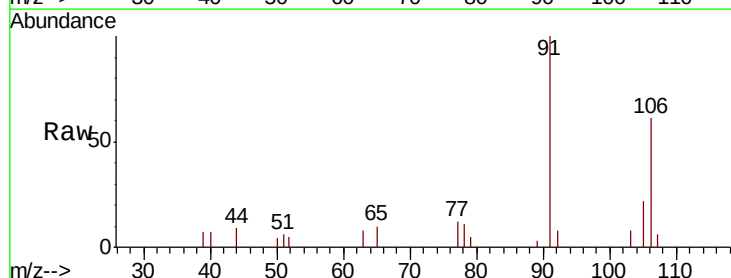


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

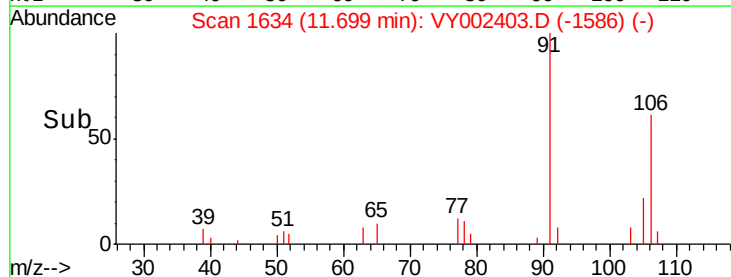
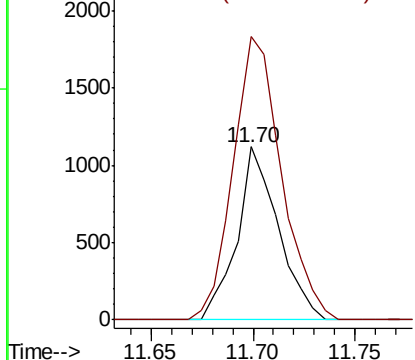


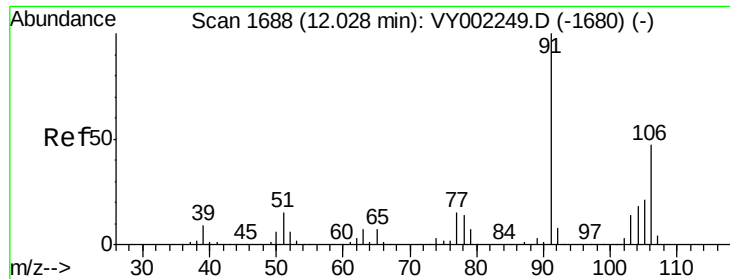
#68
m/p-Xylenes
Concen: 4.005 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY002403.D
Acq: 17 Apr 2020 16:41

Tgt Ion:106 Resp: 1572
Ion Ratio Lower Upper
106 100
91 191.7 159.8 239.6



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

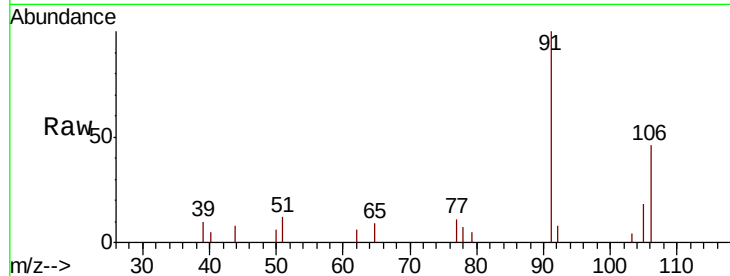




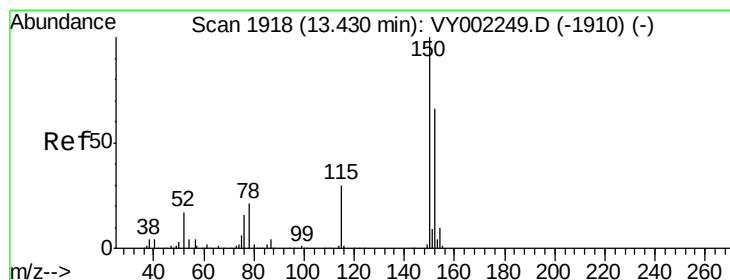
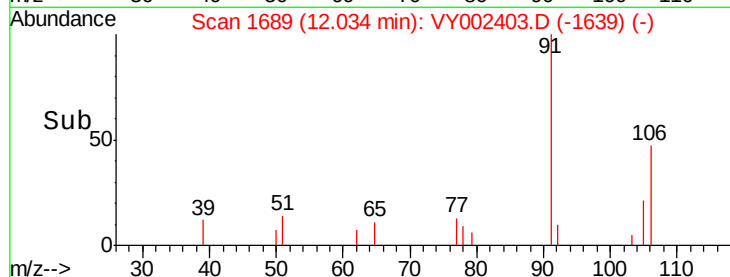
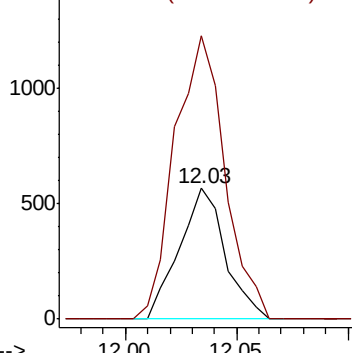
#69
o-Xylene
Concen: 2.209 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002403.D
Acq: 17 Apr 2020 16:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 814
Ion Ratio Lower Upper
106 100
91 235.6 105.8 317.3

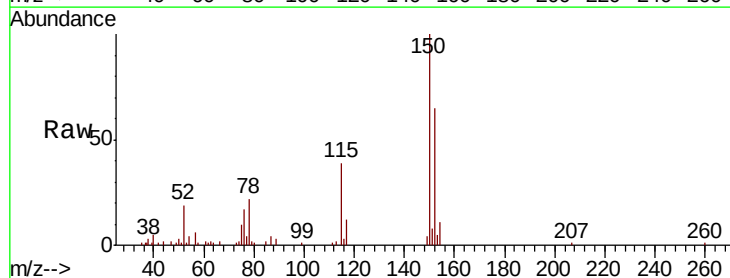


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

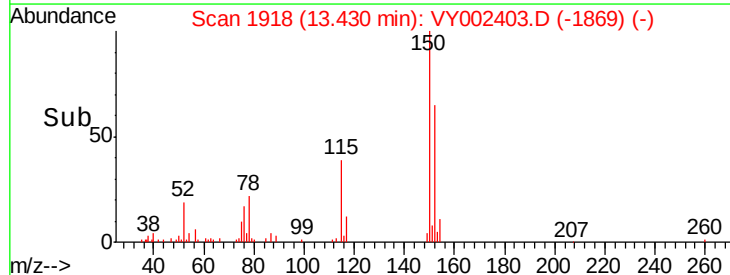
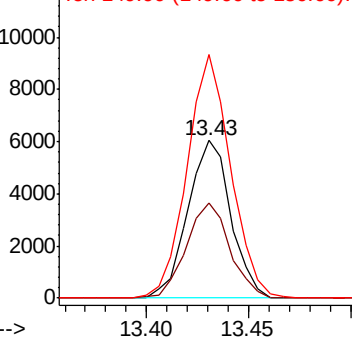


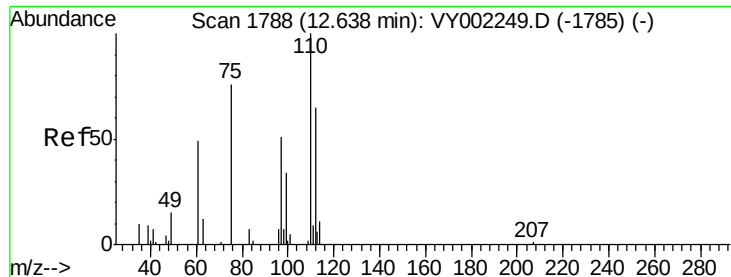
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002403.D
Acq: 17 Apr 2020 16:41

Tgt Ion:152 Resp: 8817
Ion Ratio Lower Upper
152 100
115 61.3 30.7 92.1
150 157.0 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: 42.116 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

Instrument :

MSVOA_Y

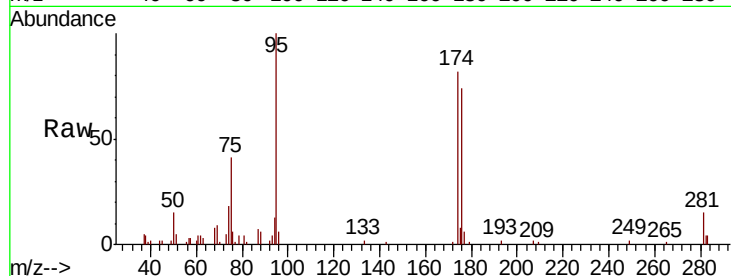
ClientSampleId :

Tot Ion: 75 Resp: 4312

Ion Ratio Lower Upper

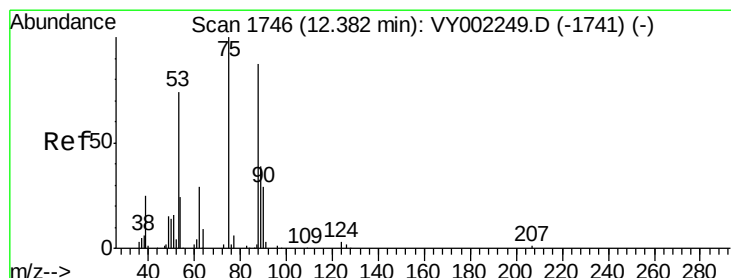
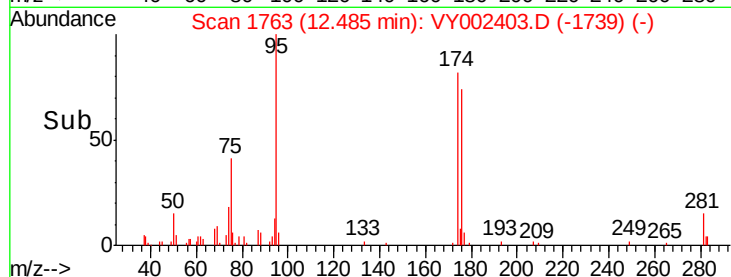
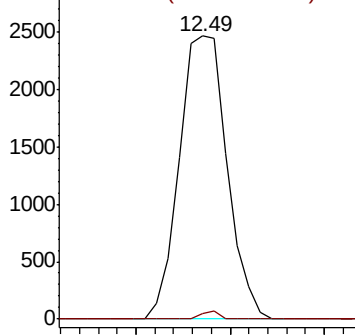
75 100

77 1.0 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: 81.914 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002403.D

Acq: 17 Apr 2020 16:41

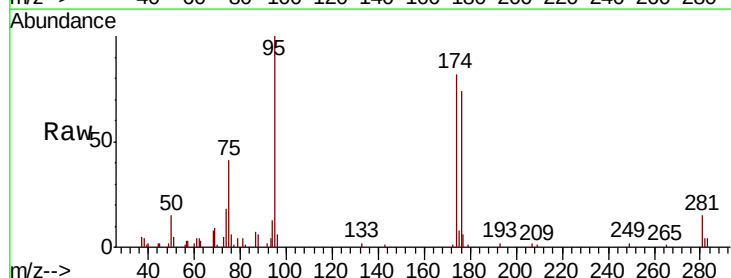
Tgt Ion: 75 Resp: 4312

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

