

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002364.D
 Acq On : 16 Apr 2020 14:10
 Operator : SY/MD
 Sample : L2279-02RE
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:05:26 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	115324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	224465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	198433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	63473	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	60401	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
35) Dibromofluoromethane	7.73	113	65117	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.18	98	267021	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.49	95	82597	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	

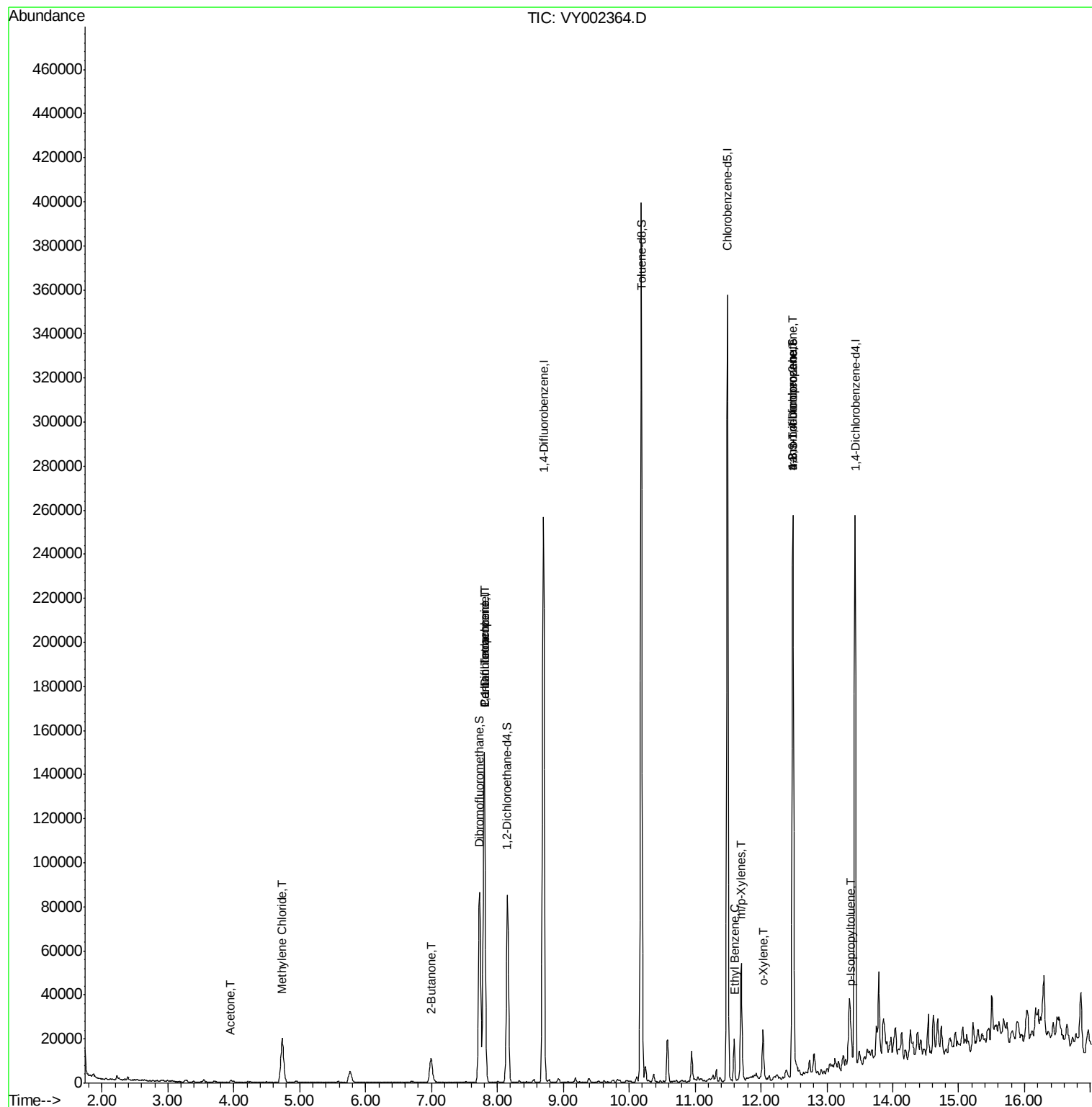
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	343	Below Cal	#	77
16) Acetone	3.95	43	1655	4.900	ug/l #	77
20) Methylene Chloride	4.74	84	15540	9.360	ug/l	97
25) 2-Butanone	7.00	43	631	1.180	ug/l #	46
36) 1,1-Dichloropropene	7.80	75	9364	4.235	ug/l #	50
38) Carbon Tetrachloride	7.80	117	12125	6.411	ug/l #	15
67) Ethyl Benzene	11.59	91	13219	1.751	ug/l	100
68) m/p-Xylenes	11.70	106	16175	5.719	ug/l	98
69) o-Xylene	12.03	106	6033	2.272	ug/l	100
76) 1,2,3-Trichloropropane	12.49	75	39349	53.386	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	39349	103.836	ug/l #	19
86) p-Isopropyltoluene	13.38	119	6498	1.467	ug/l	98

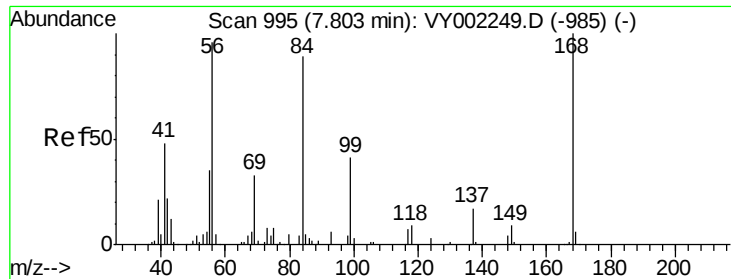
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

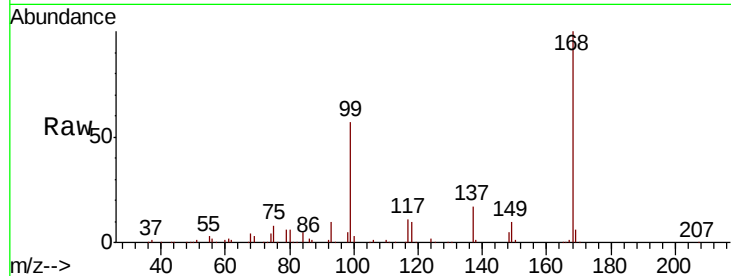
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 115324

Ion Ratio Lower Upper

168 100

99 57.5 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

50000

40000

30000

20000

10000

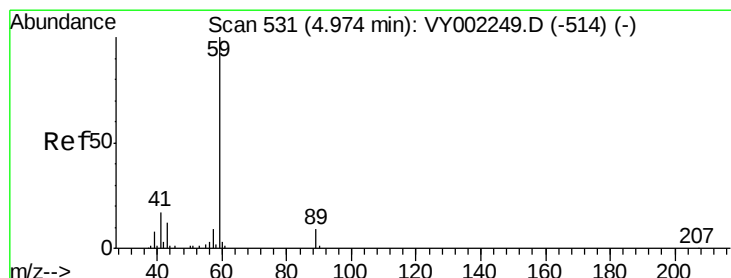
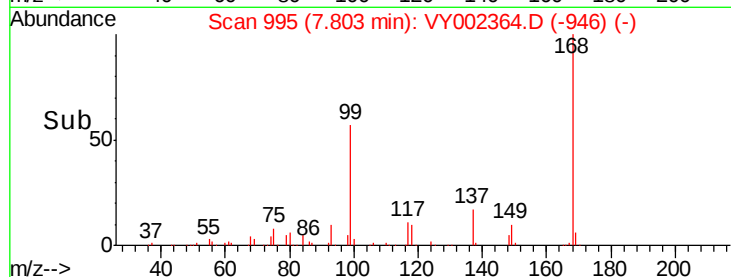
0

7.70

7.80

7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002364.D

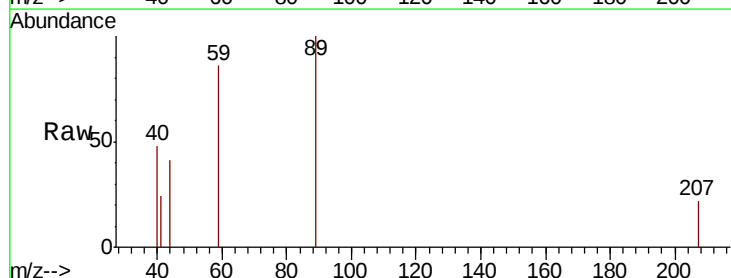
Acq: 16 Apr 2020 14:10

Tgt Ion: 59 Resp: 343

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

250

200

150

100

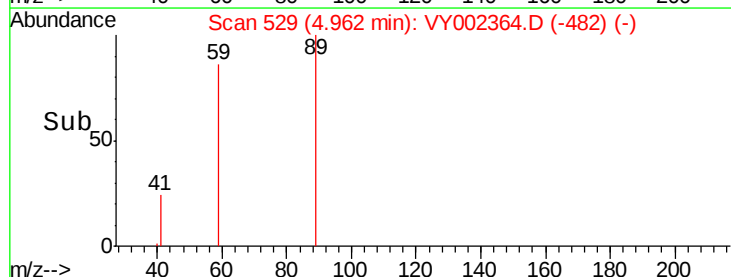
50

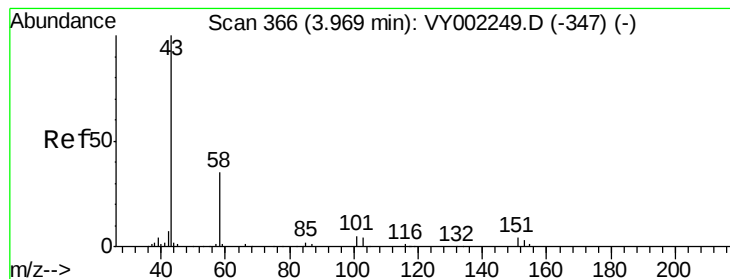
0

4.95

5.00

Time-->





#16

Acetone

Concen: 4.900 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

Instrument :

MSVOA_Y

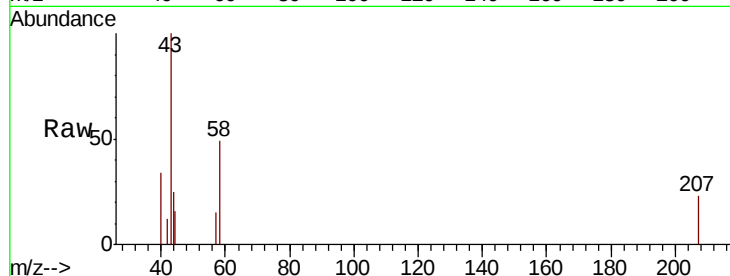
ClientSampleId :

Tot Ion: 43 Resp: 1655

Ion Ratio Lower Upper

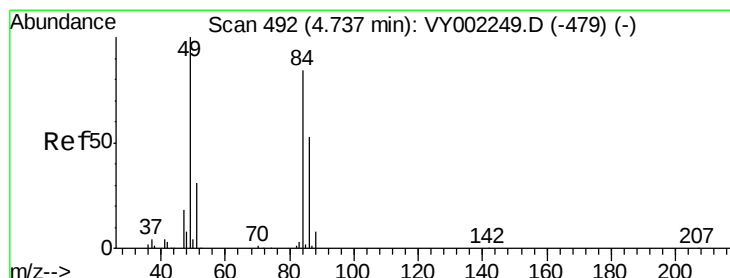
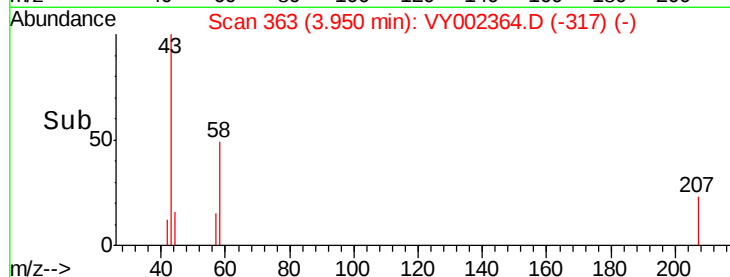
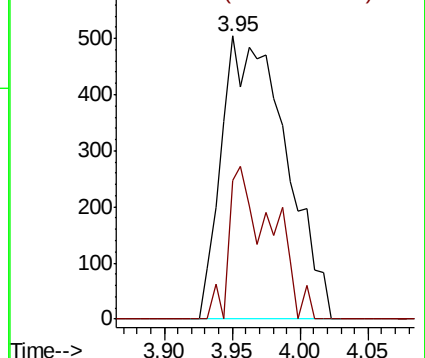
43 100

58 49.0 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: 9.360 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

Tgt Ion: 84 Resp: 15540

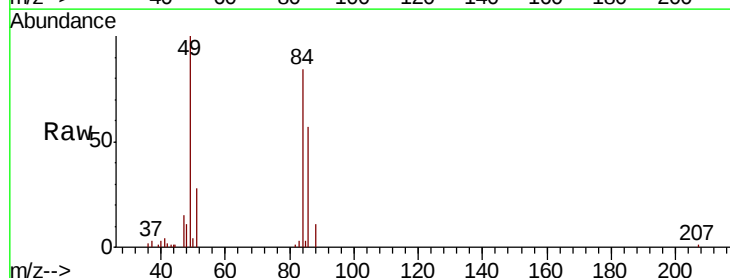
Ion Ratio Lower Upper

84 100

49 118.5 95.5 143.3

51 33.1 29.5 44.3

86 67.7 50.7 76.1

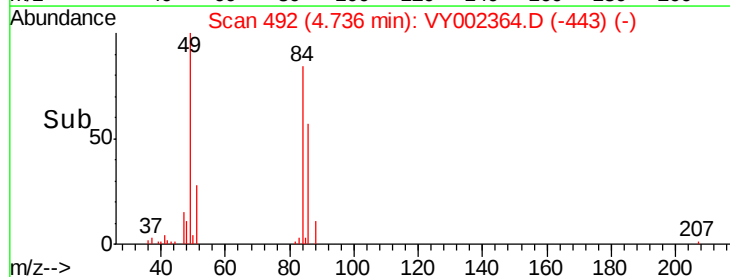
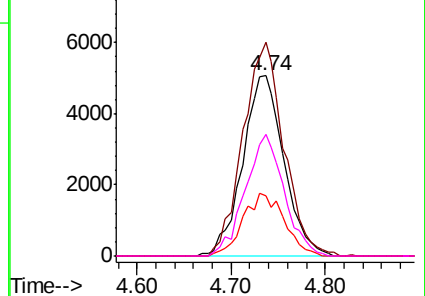


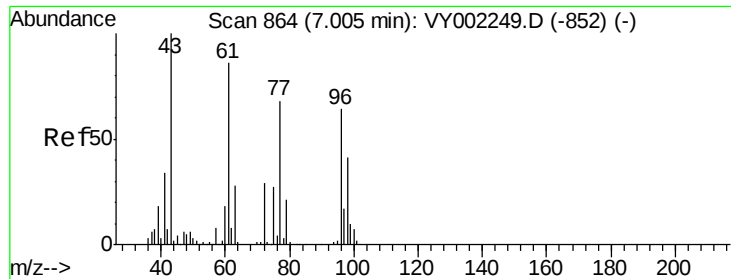
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.180 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

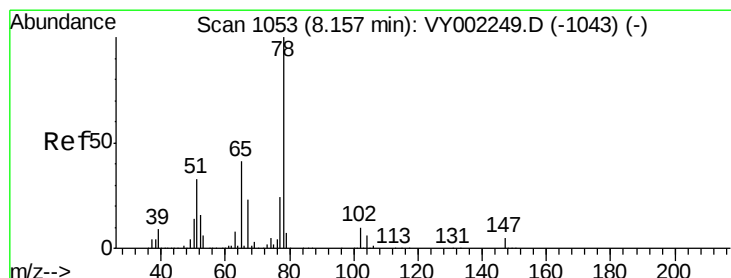
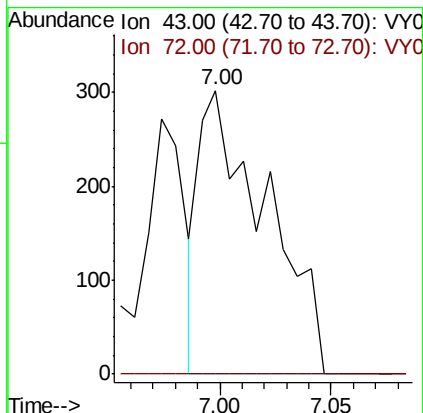
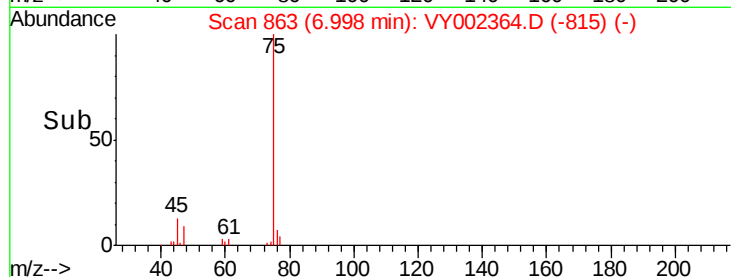
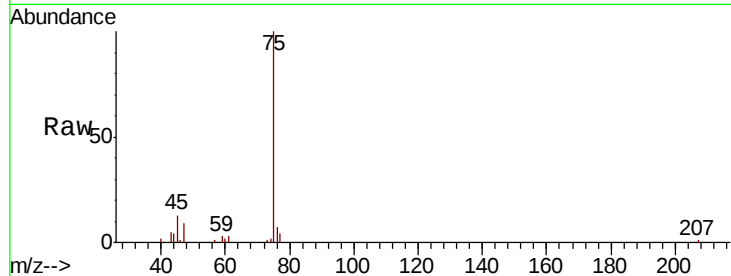
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 631

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#33

1,2-Dichloroethane-d4

Concen: 47.097 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002364.D

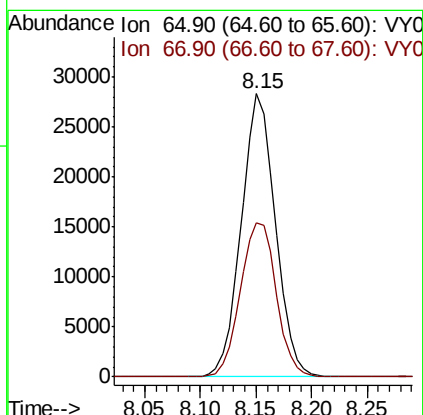
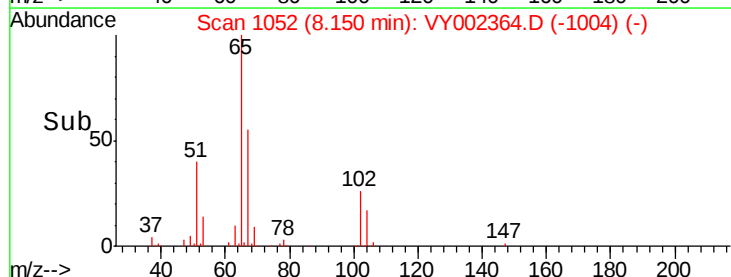
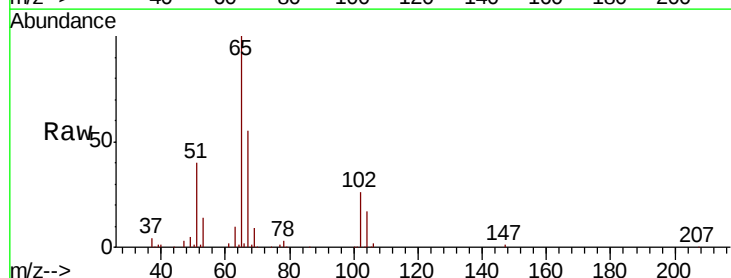
Acq: 16 Apr 2020 14:10

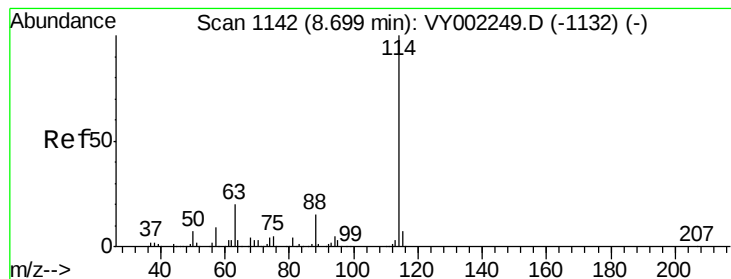
Tgt Ion: 65 Resp: 60401

Ion Ratio Lower Upper

65 100

67 57.3 0.0 114.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

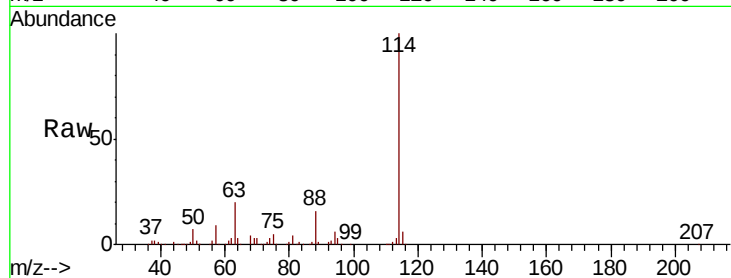
Tot Ion:114 Resp: 224465

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

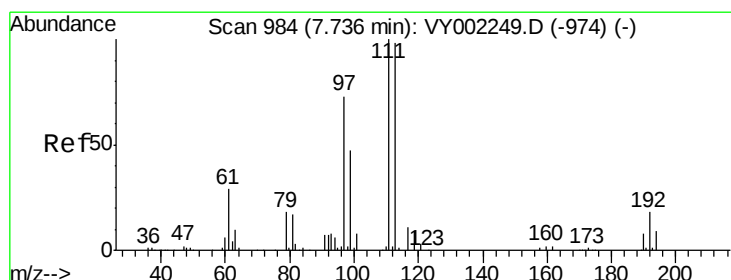
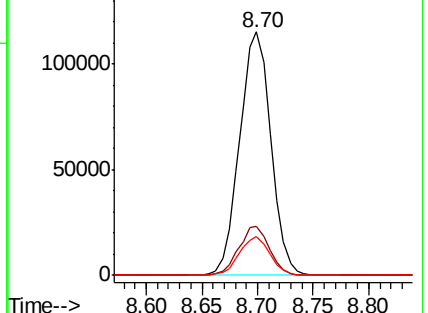
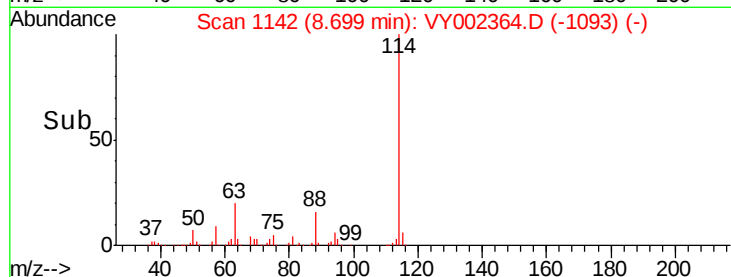
88 15.9 0.0 31.0



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: 48.753 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

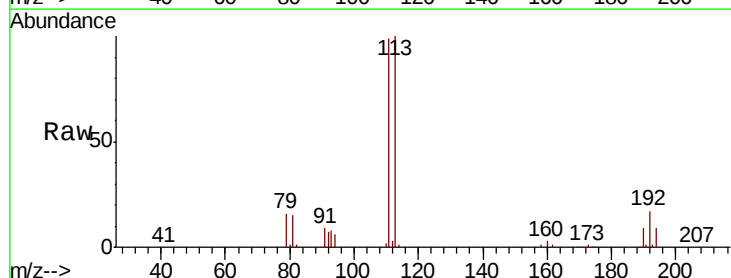
Tgt Ion:113 Resp: 65117

Ion Ratio Lower Upper

113 100

111 102.8 83.5 125.3

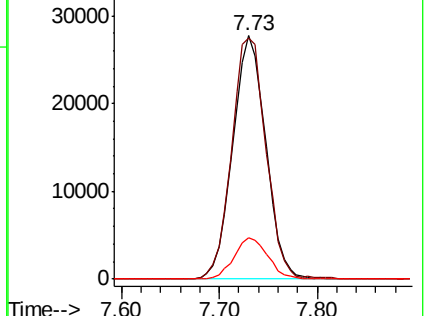
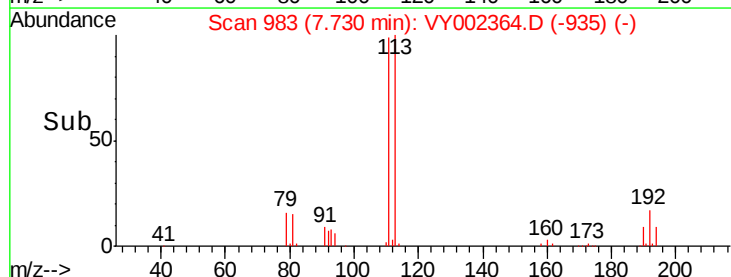
192 17.3 14.7 22.1

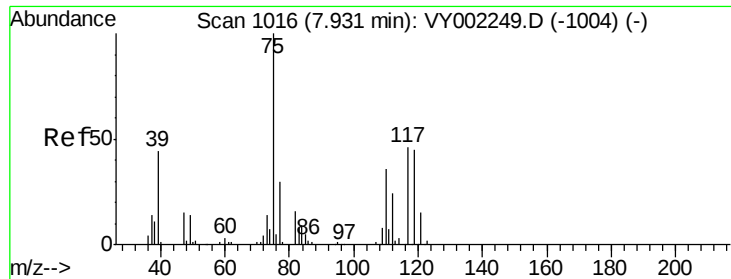


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

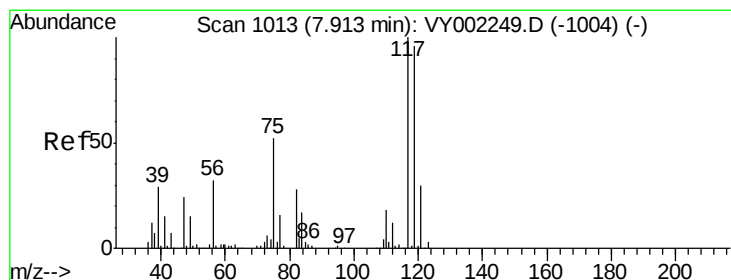
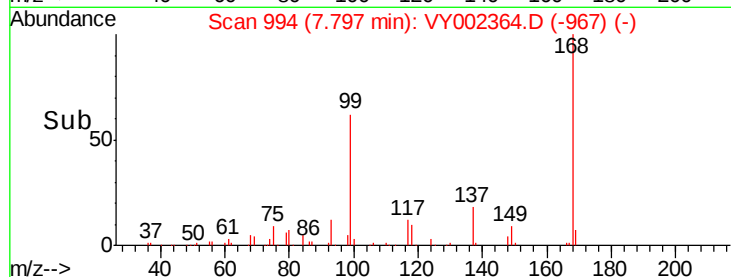
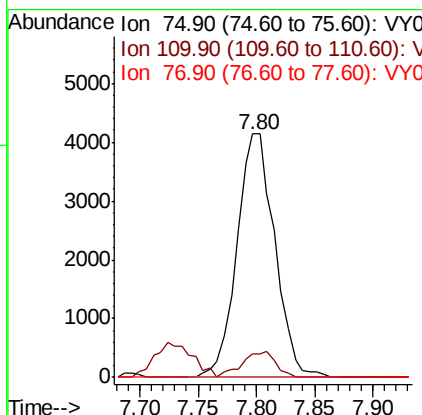
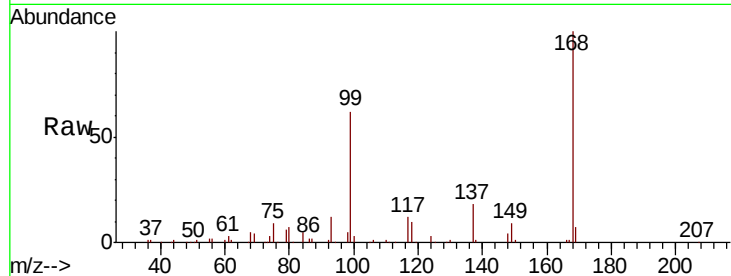




#36
 1,1-Dichloropropene
 Concen: 4.235 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002364.D
 Acq: 16 Apr 2020 14:10

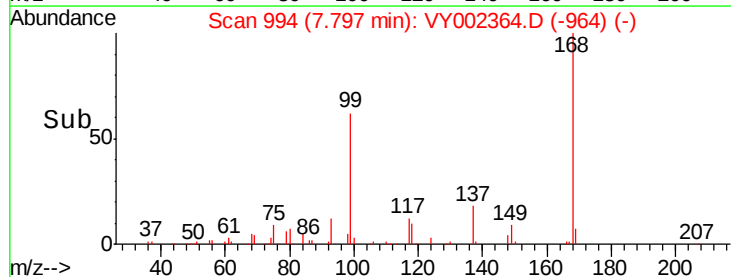
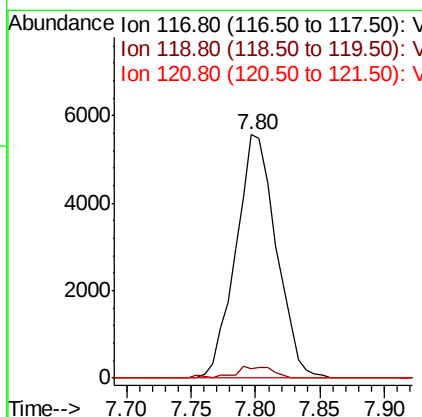
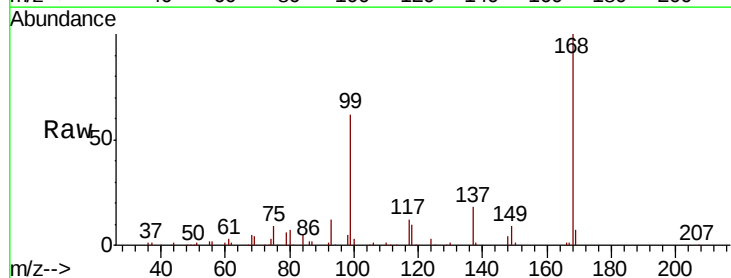
Instrument :
 MSVOA_Y
 ClientSampled :

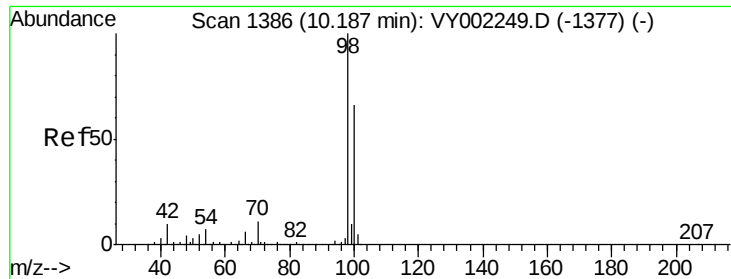
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.411 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002364.D
 Acq: 16 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 47.764 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

Instrument :

MSVOA_Y

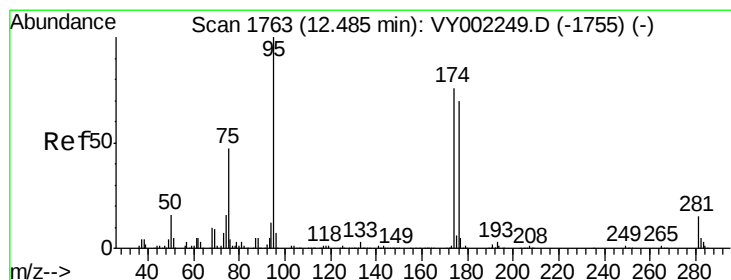
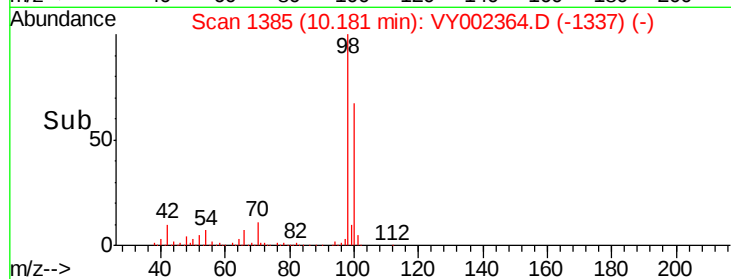
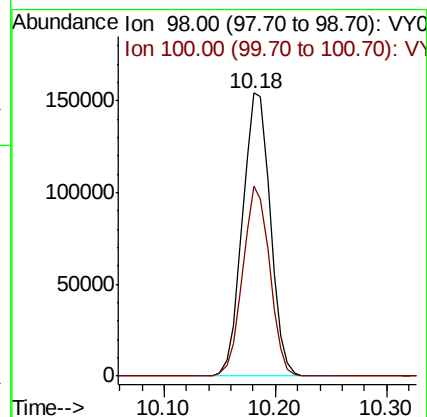
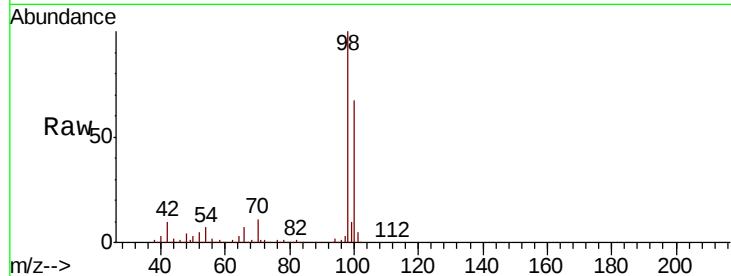
ClientSampleId :

Tot Ion: 98 Resp: 267021

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 44.783 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

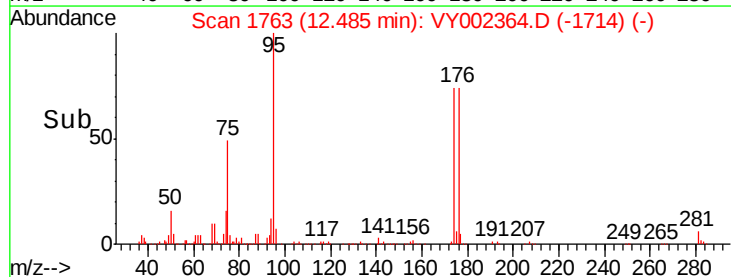
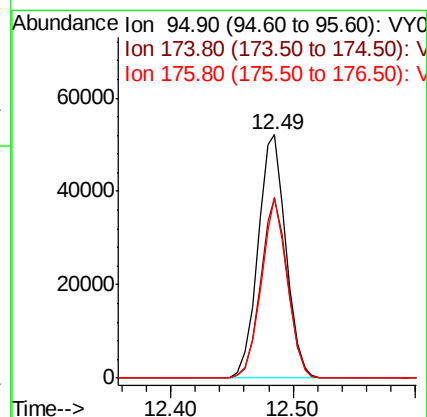
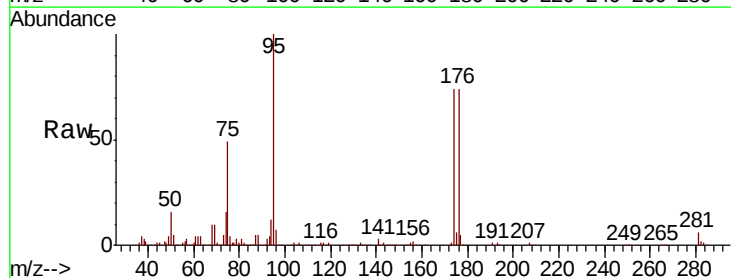
Tgt Ion: 95 Resp: 82597

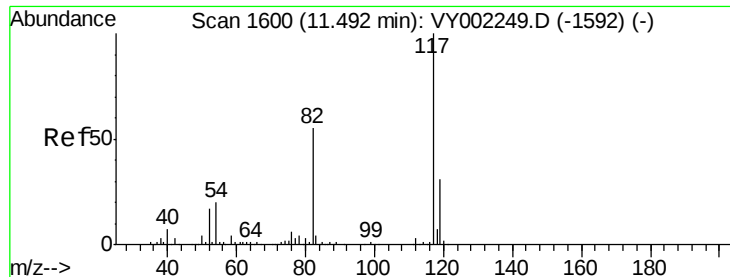
Ion Ratio Lower Upper

95 100

174 71.4 0.0 150.6

176 69.1 0.0 141.4

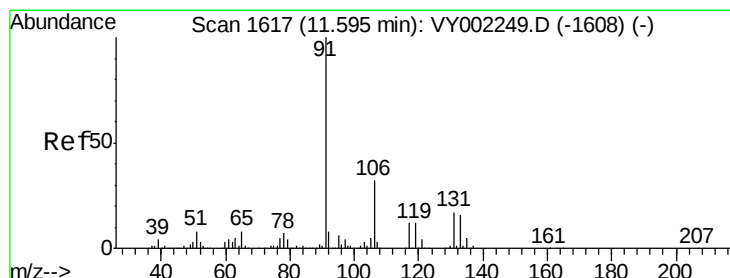
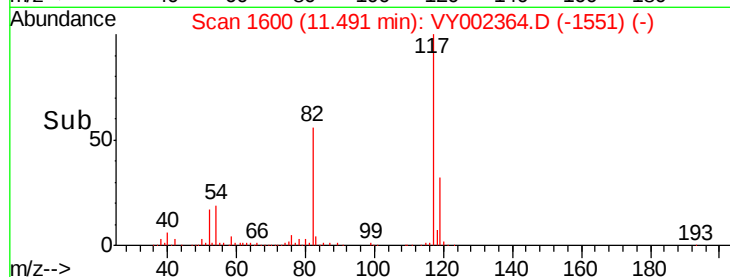
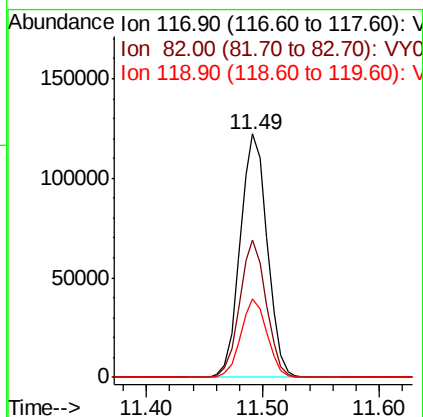
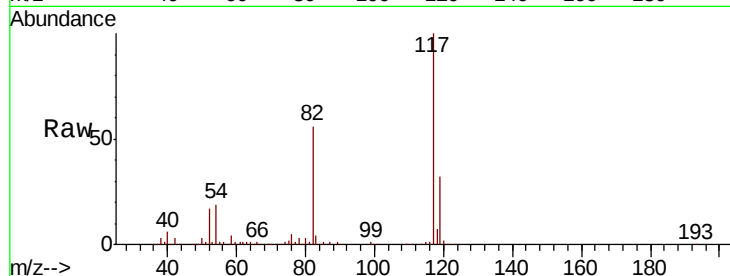




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002364.D
Acq: 16 Apr 2020 14:10

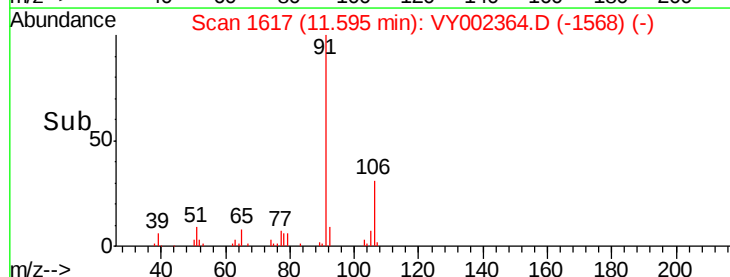
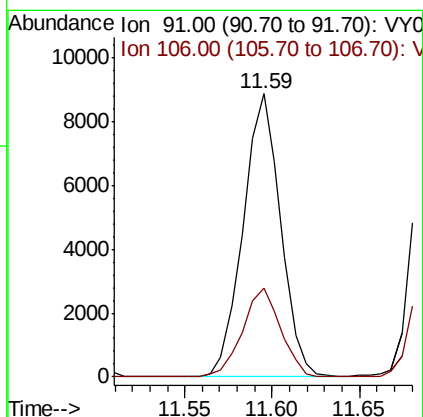
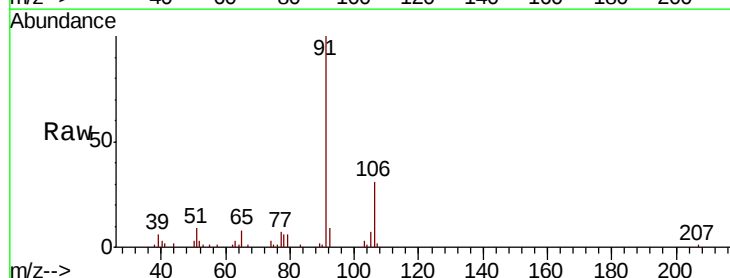
Instrument :
MSVOA_Y
ClientSampleId :

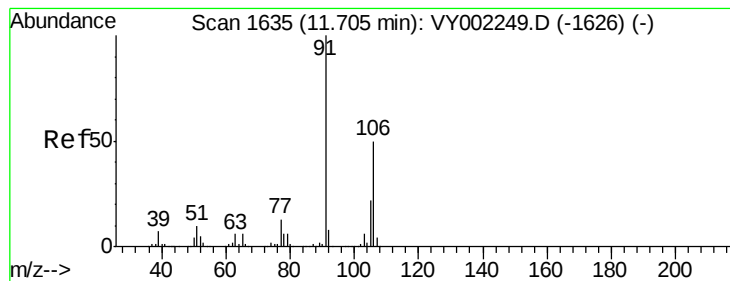
Tot Ion:117 Resp: 198433
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.4
119 32.3 25.1 37.7



#67
Ethyl Benzene
Concen: 1.751 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002364.D
Acq: 16 Apr 2020 14:10

Tgt Ion: 91 Resp: 13219
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0





#68

m/p-Xvlenes

Concen: 5.719 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

Instrument :

MSVOA_Y

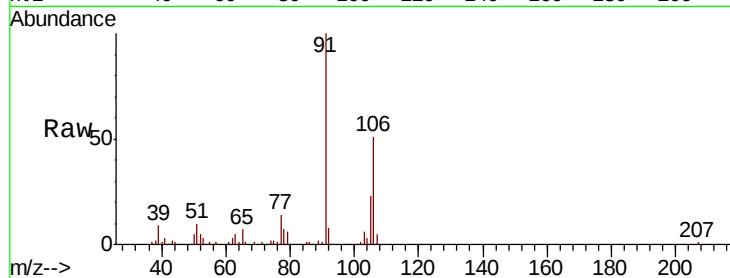
ClientSampleId :

Tot Ion:106 Resp: 16175

Ion Ratio Lower Upper

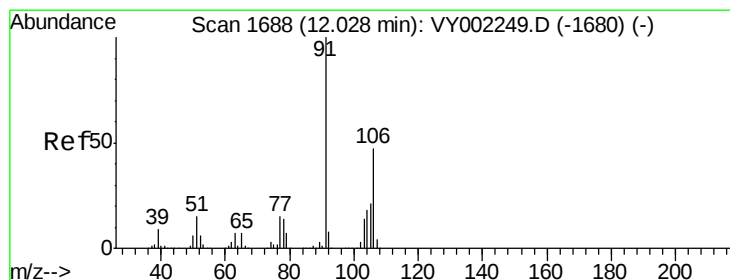
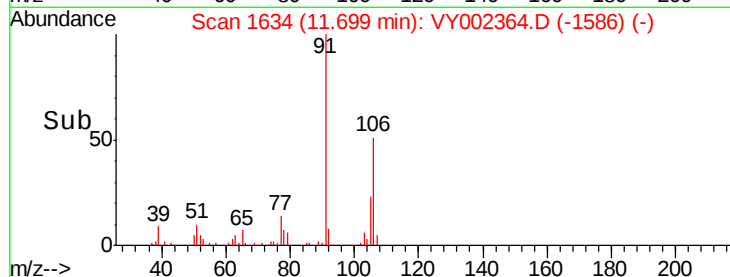
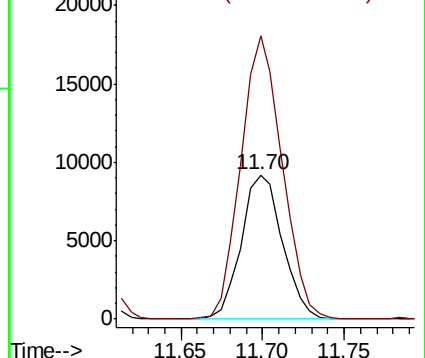
106 100

91 197.3 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 2.272 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY002364.D

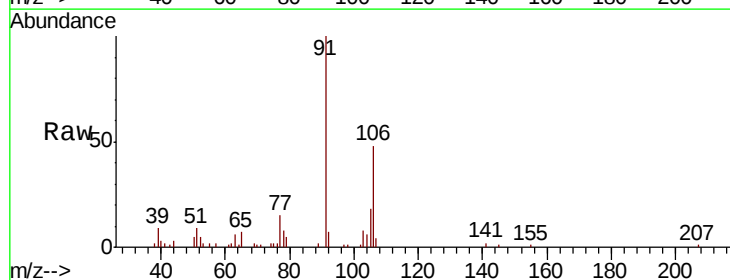
Acq: 16 Apr 2020 14:10

Tgt Ion:106 Resp: 6033

Ion Ratio Lower Upper

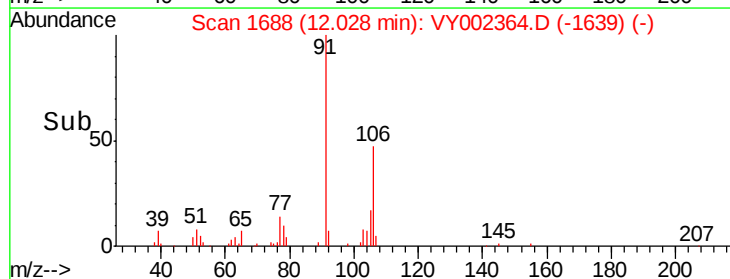
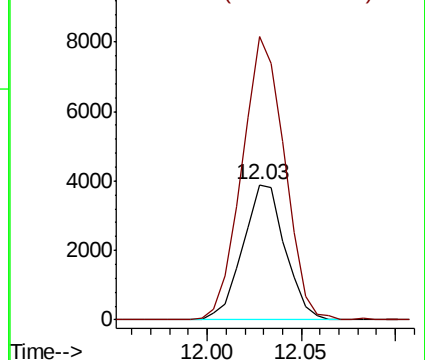
106 100

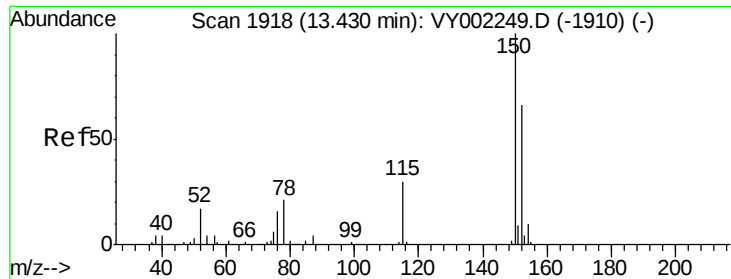
91 211.5 105.8 317.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



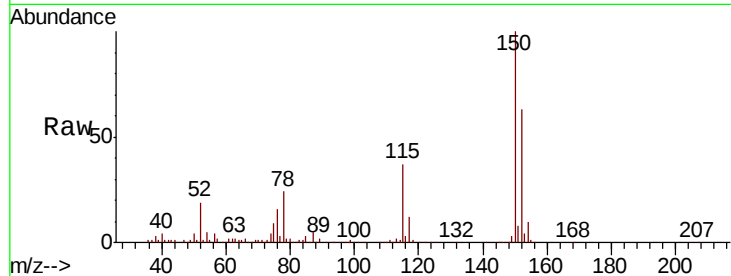


#72

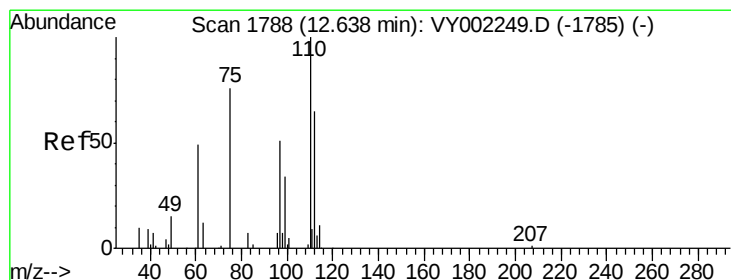
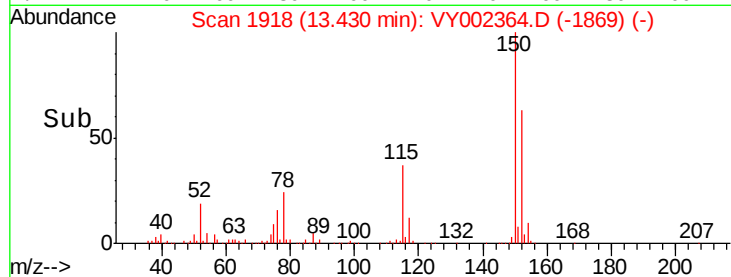
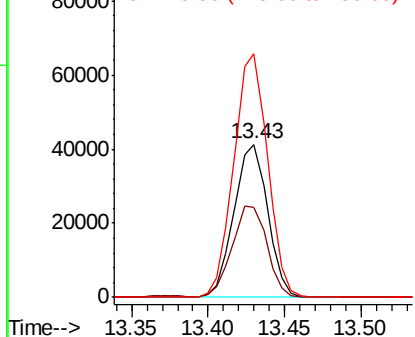
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002364.D
Acq: 16 Apr 2020 14:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 63473
Ion Ratio Lower Upper
152 100
115 61.8 30.7 92.1
150 159.2 0.0 350.6



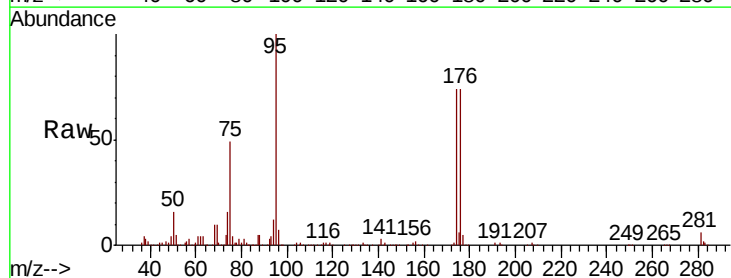
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



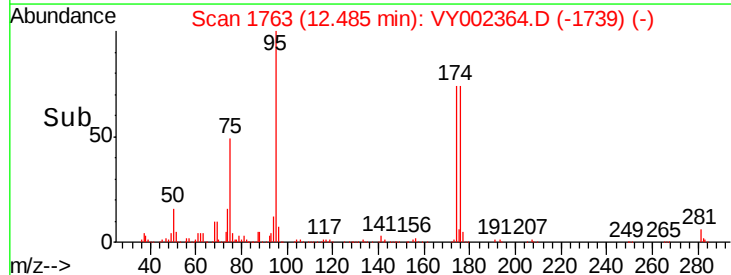
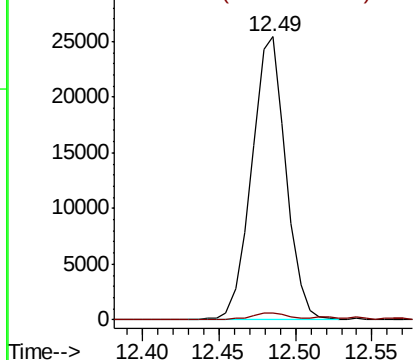
#76

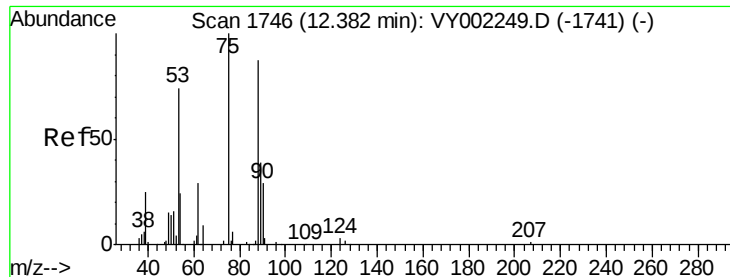
1,2,3-Trichloropropane
Concen: 53.386 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002364.D
Acq: 16 Apr 2020 14:10

Tgt Ion: 75 Resp: 39349
Ion Ratio Lower Upper
75 100
77 2.9 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: 103.836 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

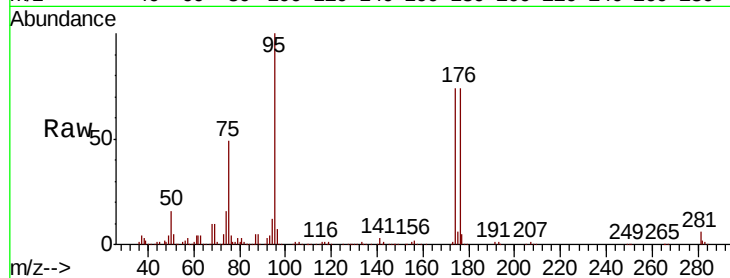
Tot Ion: 75 Resp: 39349

Ion Ratio Lower Upper

75 100

53 0.1 59.8 89.8#

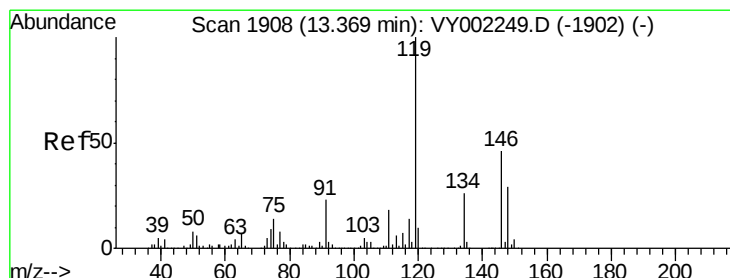
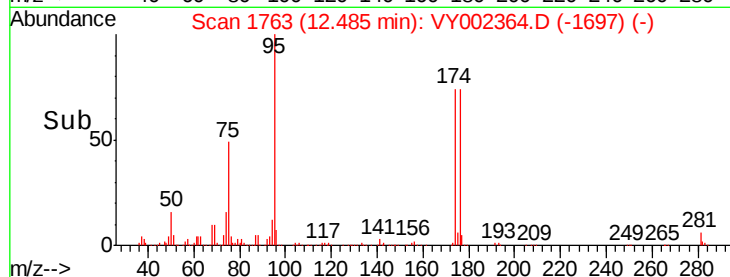
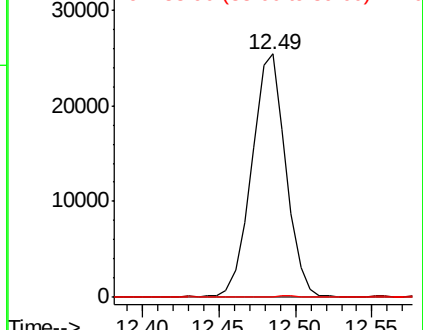
89 0.4 37.0 55.6#



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



#86

p-Isopropyltoluene

Concen: 1.467 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002364.D

Acq: 16 Apr 2020 14:10

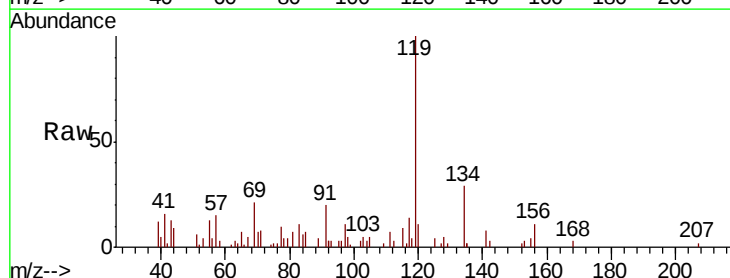
Tgt Ion: 119 Resp: 6498

Ion Ratio Lower Upper

119 100

134 27.7 13.3 39.9

91 24.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

