

Data File : VY001949.D
Acq On : 11 Mar 2020 17:30
Operator : SY/MD
Sample : L1893-13RE
Misc : 8.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4(3-4)

Quant Time: Mar 12 02:00:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	172068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	318622	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	294915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	136722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	101124	55.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	7.74	113	94236	54.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.19	98	383282	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.49	95	141423	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	

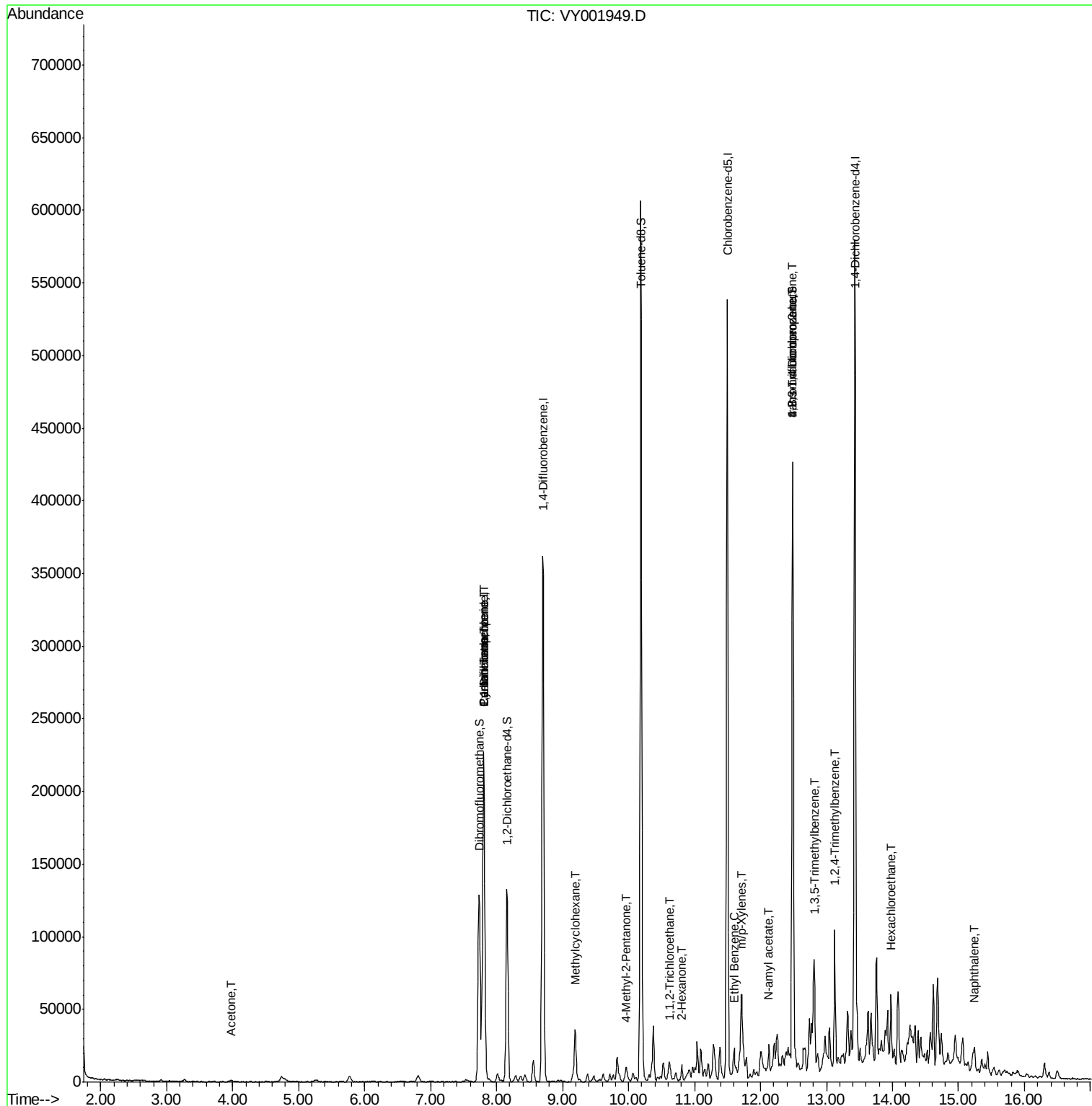
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.97	59	61	Below Cal	#	74
16) Acetone	3.98	43	1830	3.420	ug/l #	80
31) Cyclohexane	7.80	56	7727	1.914	ug/l #	53
36) 1,1-Dichloropropene	7.80	75	13197	4.304	ug/l #	50
38) Carbon Tetrachloride	7.81	117	17458	6.665	ug/l #	16
39) Methylcyclohexane	9.19	83	15995	3.933	ug/l	93
51) 4-Methyl-2-Pentanone	9.96	43	4347	2.501	ug/l #	39
55) 1,1,2-Trichloroethane	10.63	97	3874	2.248	ug/l #	17
59) 2-Hexanone	10.81	43	3836	3.093	ug/l #	28
67) Ethyl Benzene	11.60	91	11813	1.078	ug/l	93
68) m/p-Xylenes	11.70	106	9149	2.258	ug/l	90
74) N-amyl acetate	12.13	43	3868	1.206	ug/l #	58
76) 1,2,3-Trichloropropane	12.49	75	69369	42.760	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	12030	1.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	69369	86.373	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	49988	5.862	ug/l	100
90) Hexachloroethane	13.98	117	1978	1.155	ug/l #	18
95) Naphthalene	15.24	128	12103	1.999	ug/l #	94

(#) = 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: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

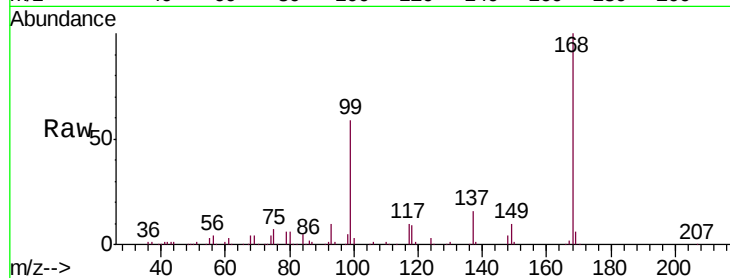
TP-4(3-4)

Tgt Ion:168 Resp: 172068

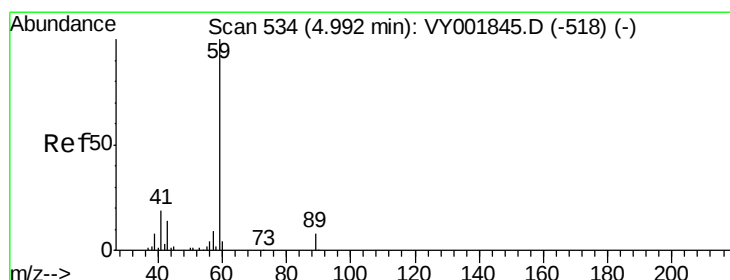
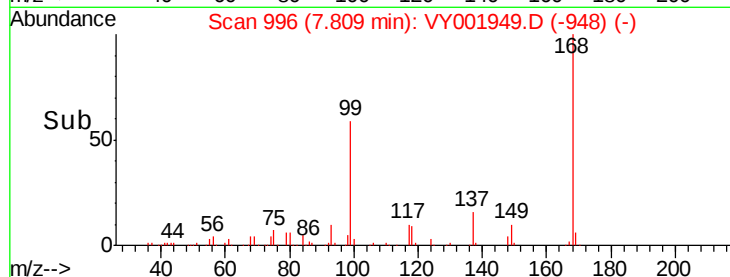
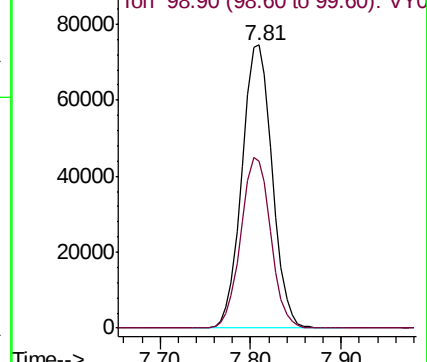
Ion Ratio Lower Upper

168 100

99 59.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001949.D

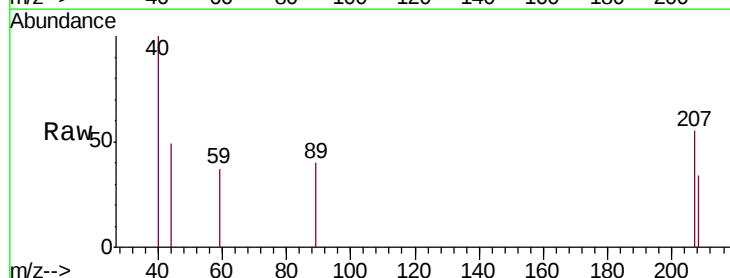
Acq: 11 Mar 2020 17:30

Tgt Ion: 59 Resp: 61

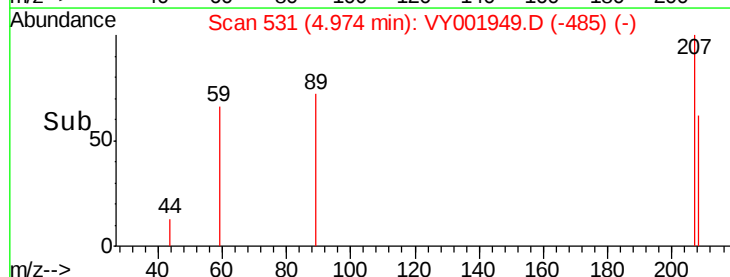
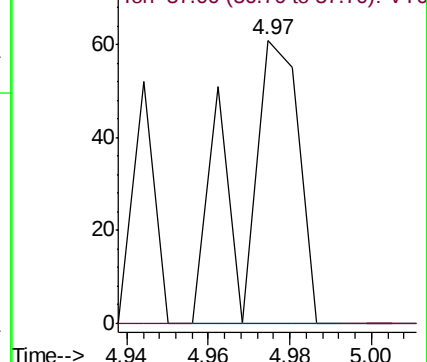
Ion Ratio Lower Upper

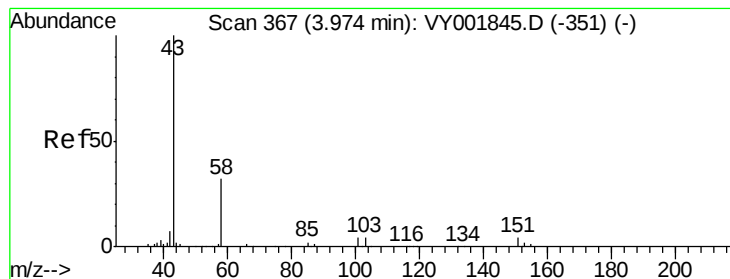
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 3.420 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

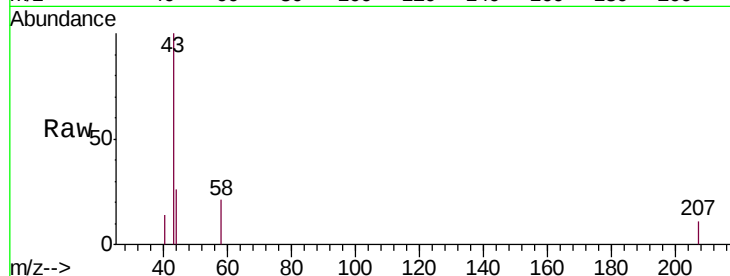
TP-4(3-4)

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

43 100

58 21.2 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

3.98

600

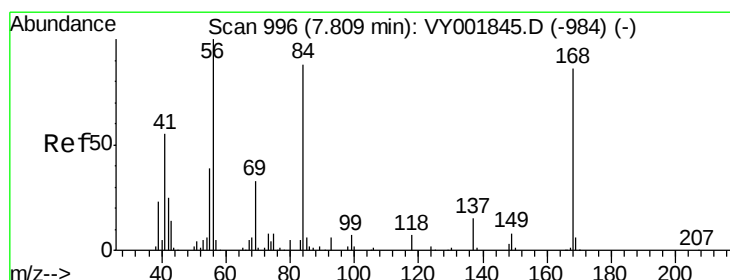
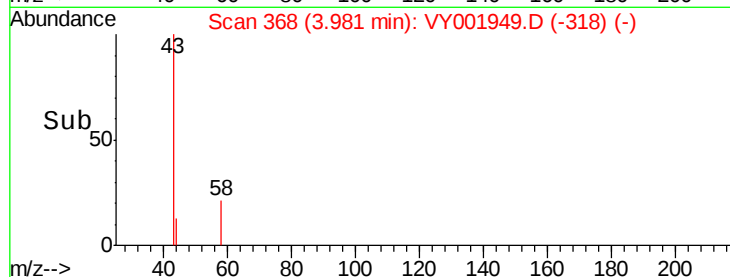
400

200

0

3.90 3.95 4.00 4.05

Time-->



#31

Cyclohexane

Concen: 1.914 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

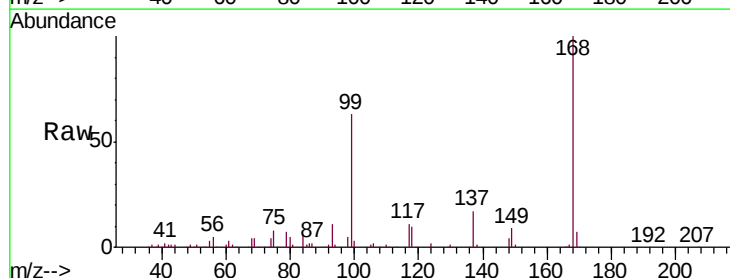
Tgt Ion: 56 Resp: 7727

Ion Ratio Lower Upper

56 100

69 82.7 26.7 40.1#

84 117.6 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VY001845.D (-984) (-)

Ion 69.00 (68.70 to 69.70): VY001845.D (-984) (-)

Ion 84.00 (83.70 to 84.70): VY001845.D (-984) (-)

7.80

5000

4000

3000

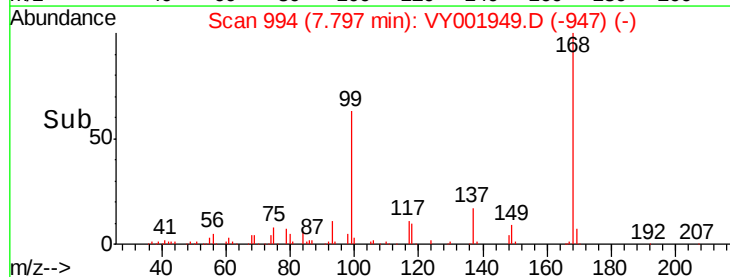
2000

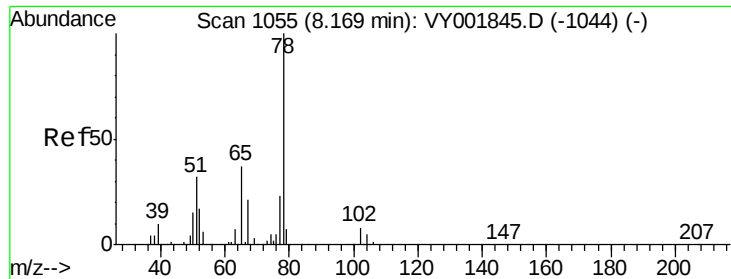
1000

0

7.70 7.75 7.80 7.85

Time-->

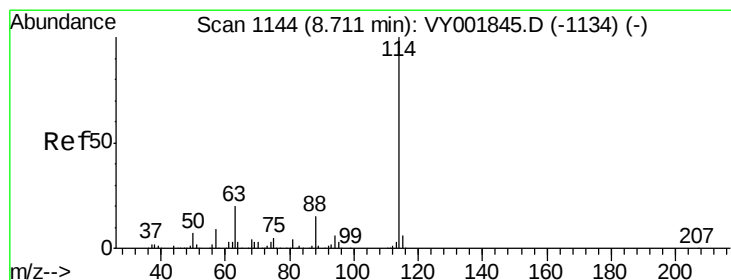
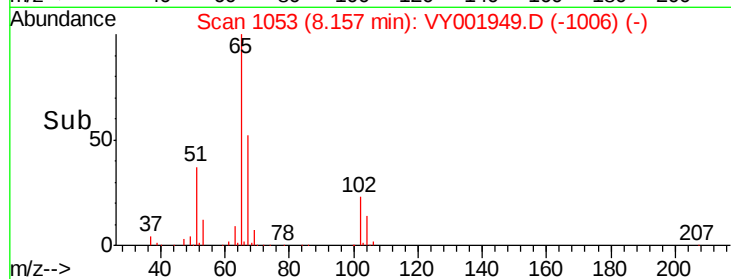
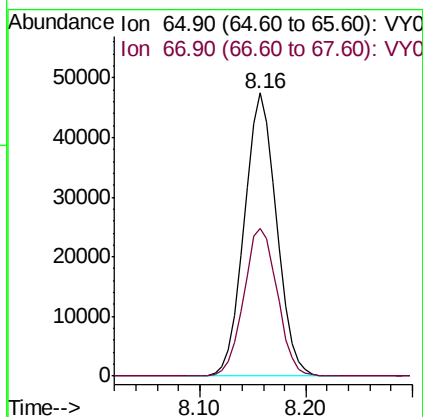
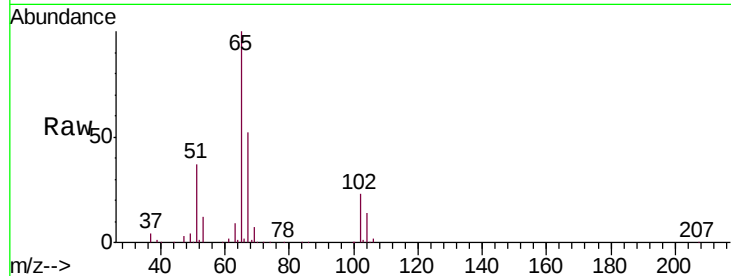




#33
 1,2-Dichloroethane-d4
 Concen: 55.050 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

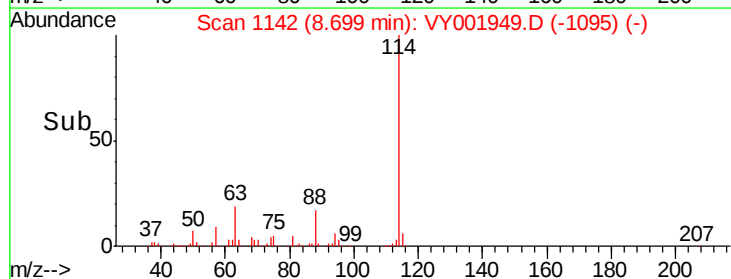
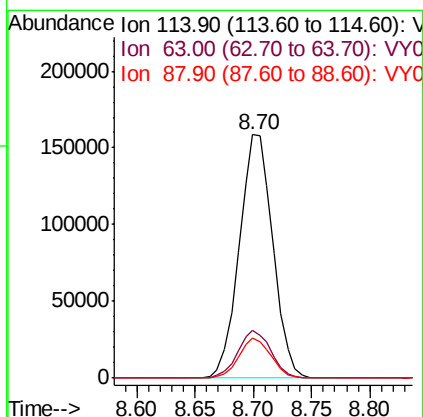
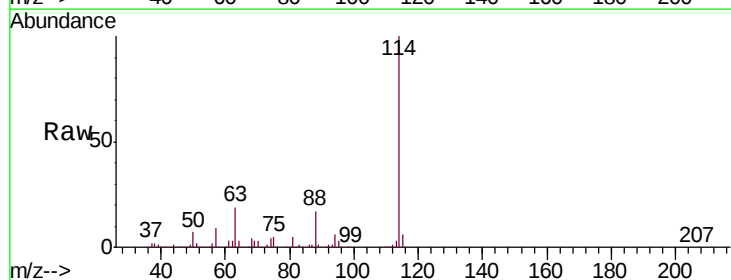
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-4(3-4)

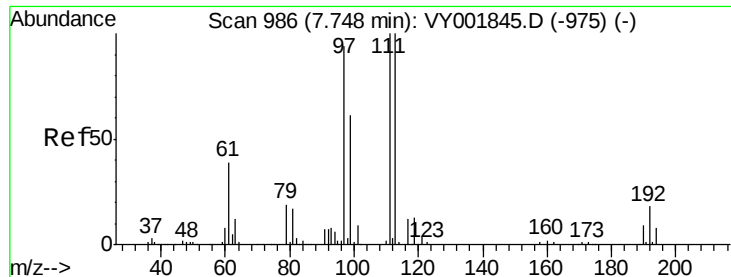
Tgt Ion: 65 Resp: 101124
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

Tgt Ion: 114 Resp: 318622
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 16.5 0.0 30.4

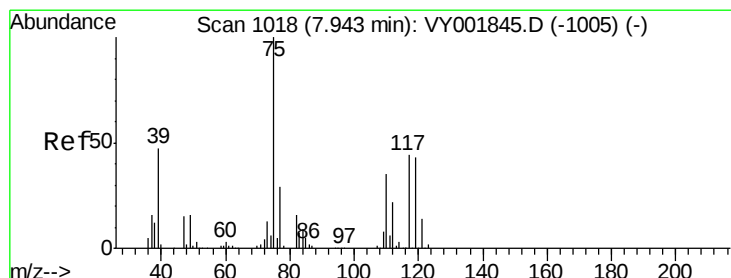
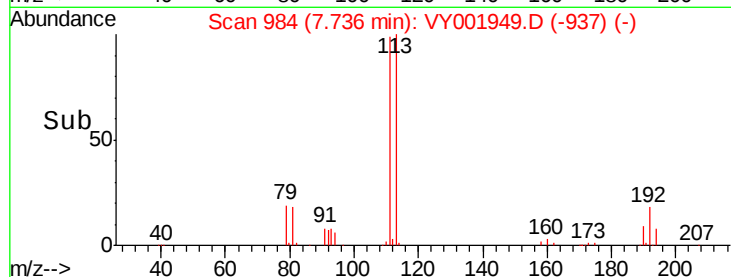
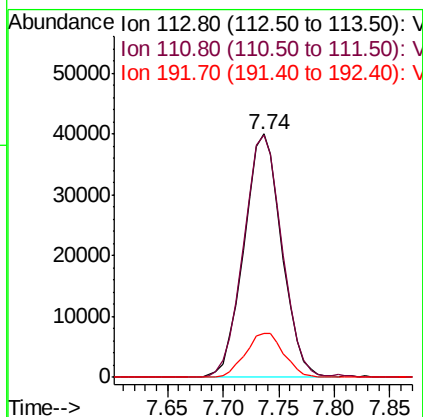
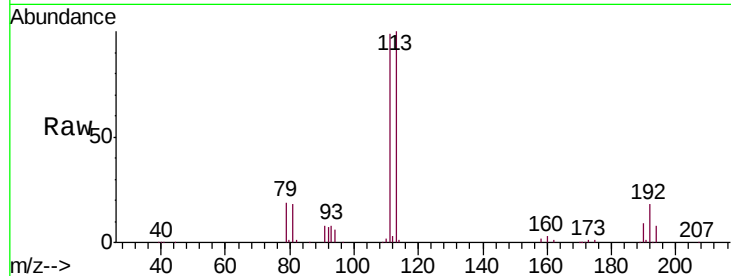




#35
 Dibromofluoromethane
 Concen: 54.164 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

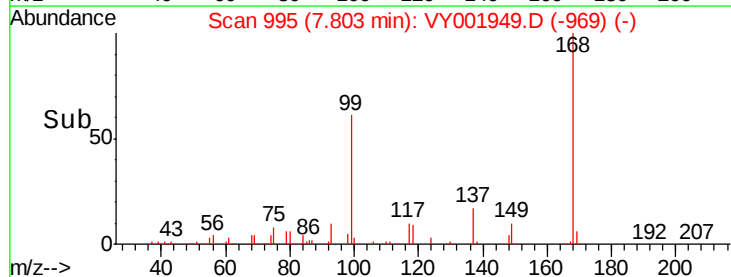
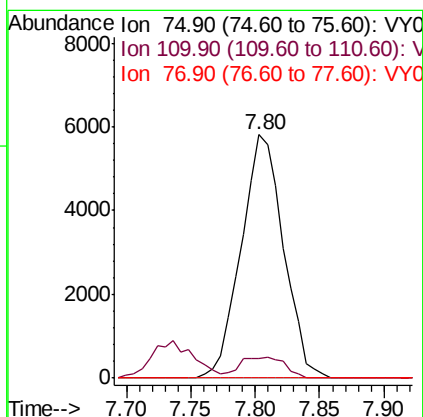
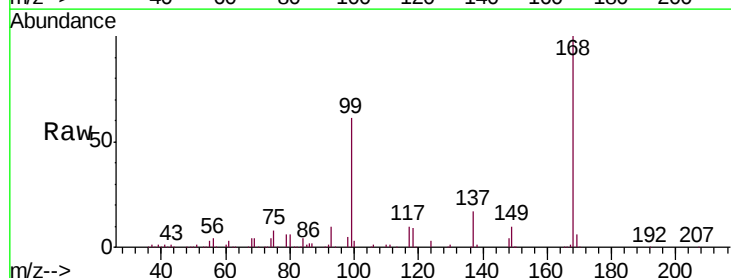
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-4(3-4)

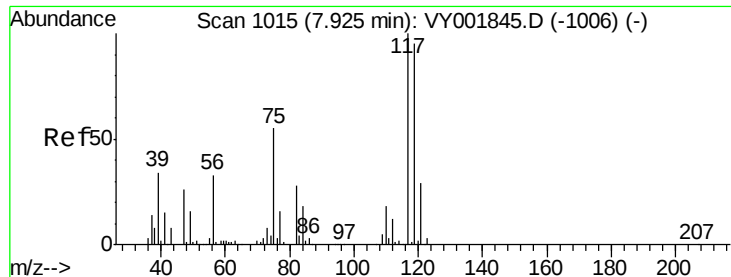
Tgt Ion:113 Resp: 94236
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.8 122.8
 192 18.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

Tgt Ion: 75 Resp: 13197
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.4 52.2#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.665 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-4(3-4)

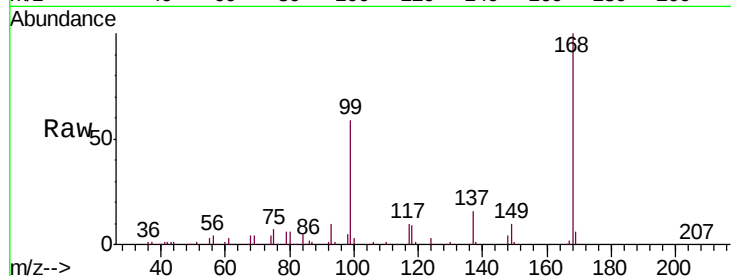
Tgt Ion:117 Resp: 17458

Ion Ratio Lower Upper

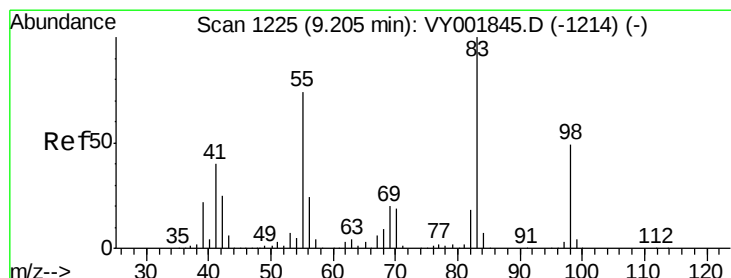
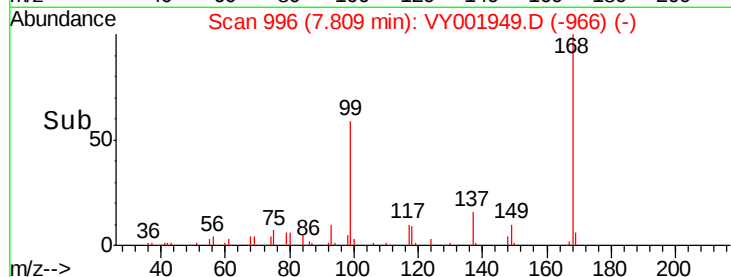
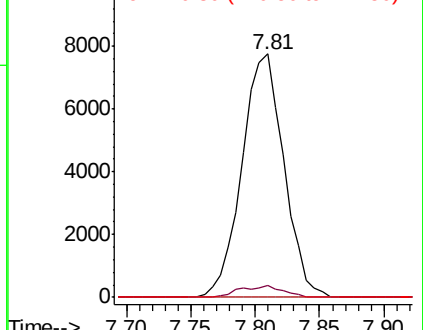
117 100

119 5.0 76.3 114.5#

121 0.0 23.5 35.3#



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



#39

Methylcyclohexane

Concen: 3.933 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

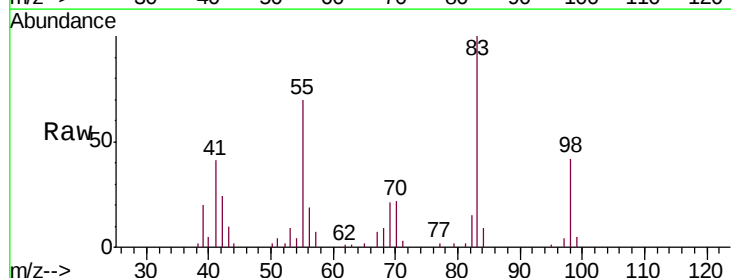
Tgt Ion: 83 Resp: 15995

Ion Ratio Lower Upper

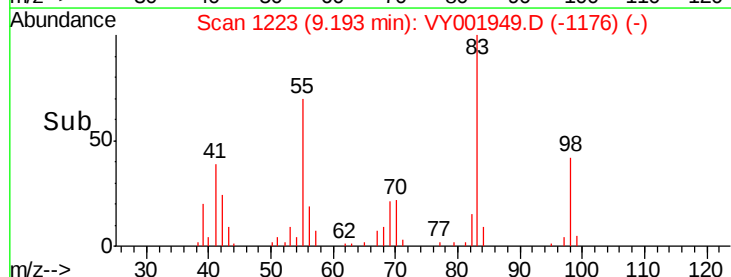
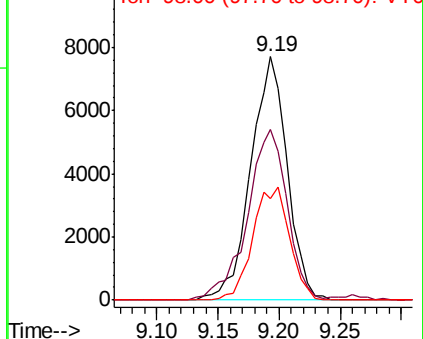
83 100

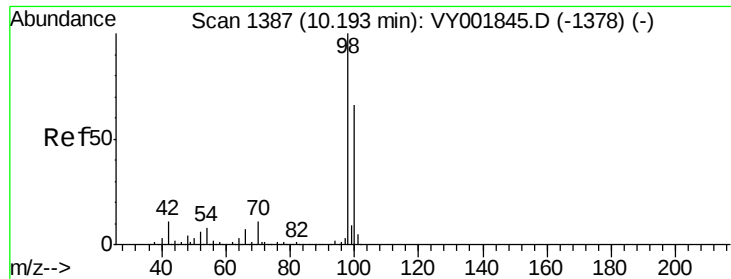
55 70.3 59.4 89.0

98 41.8 38.9 58.3



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 52.243 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampled :

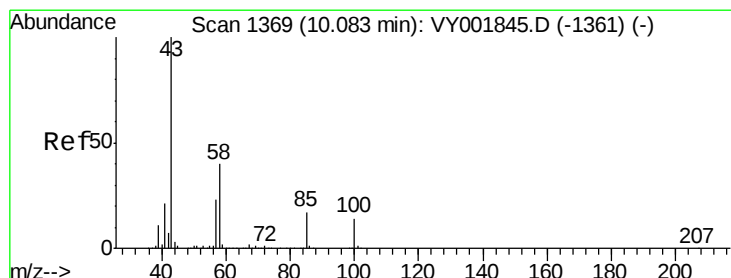
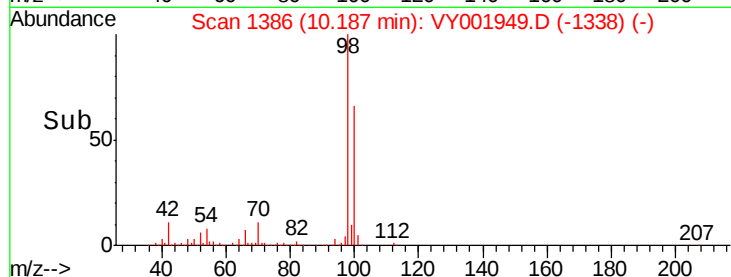
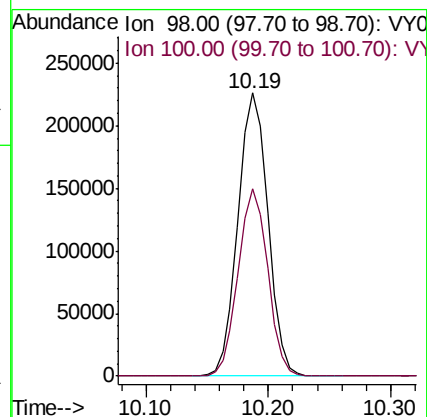
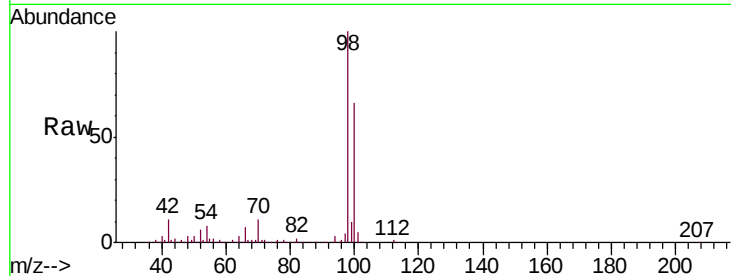
TP-4(3-4)

Tgt Ion: 98 Resp: 383282

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 2.501 ug/l

RT: 9.96 min Scan# 1349

Delta R.T. -0.12 min

Lab File: VY001949.D

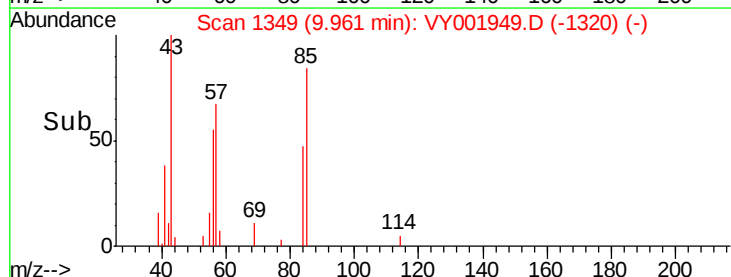
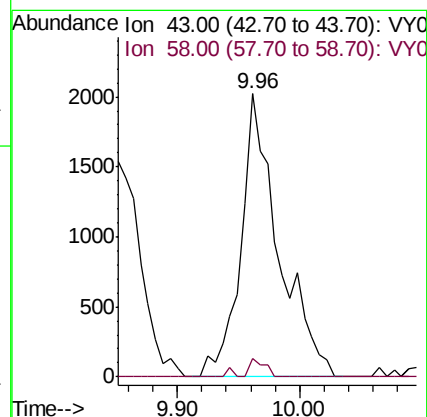
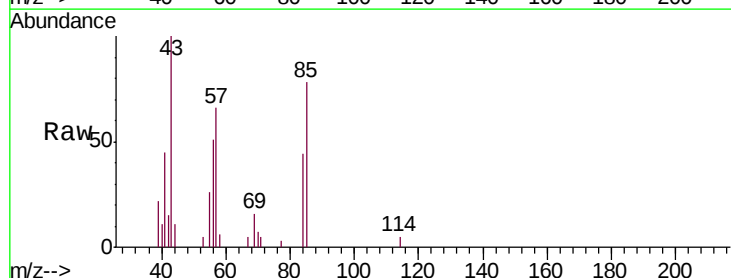
Acq: 11 Mar 2020 17:30

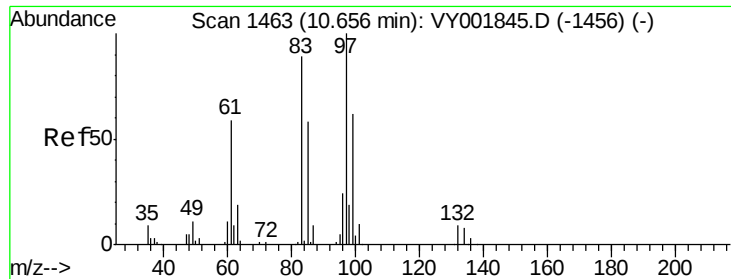
Tgt Ion: 43 Resp: 4347

Ion Ratio Lower Upper

43 100

58 2.6 32.0 48.0#

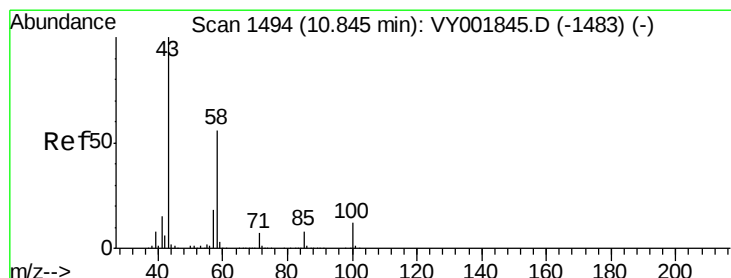
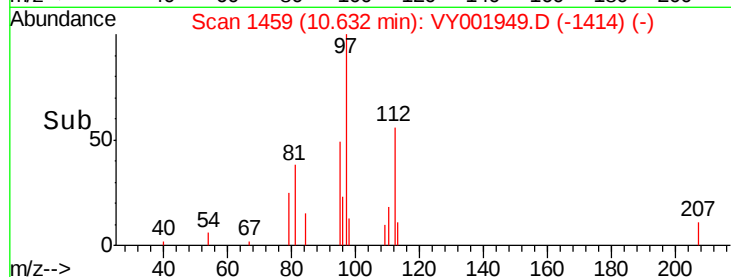
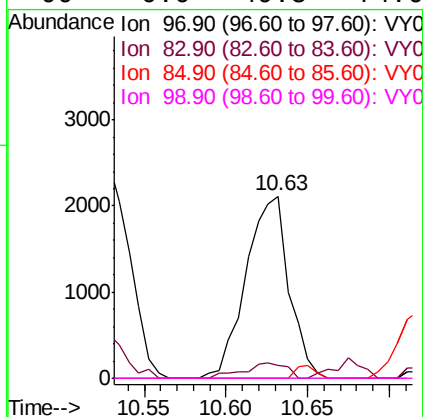
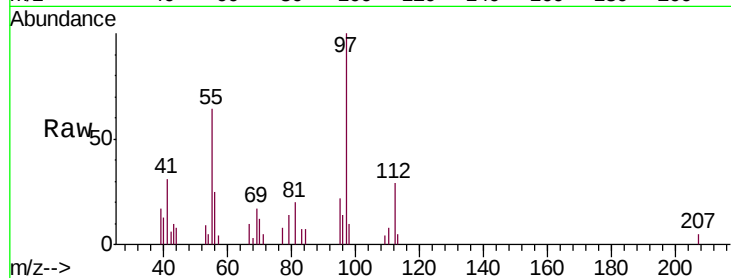




#55
 1,1,2-Trichloroethane
 Concen: 2.248 ug/l
 RT: 10.63 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

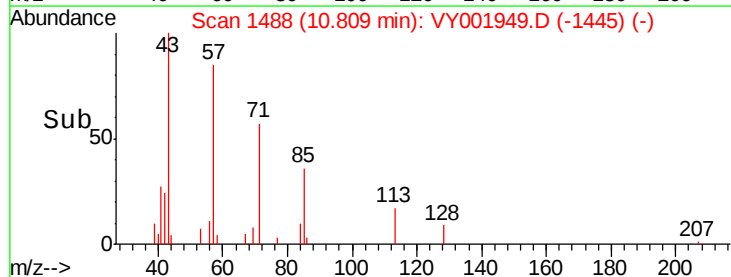
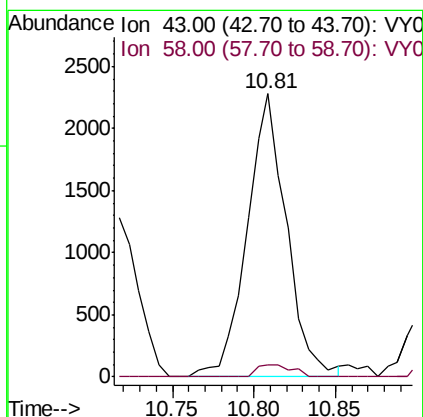
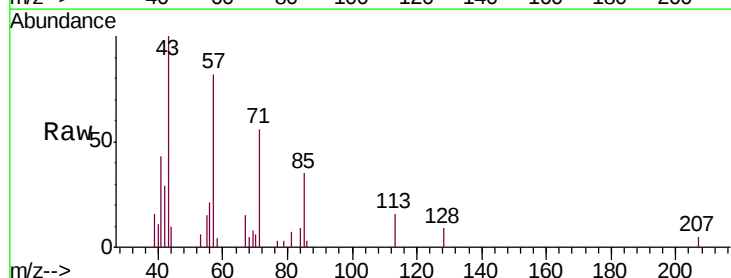
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4(3-4)

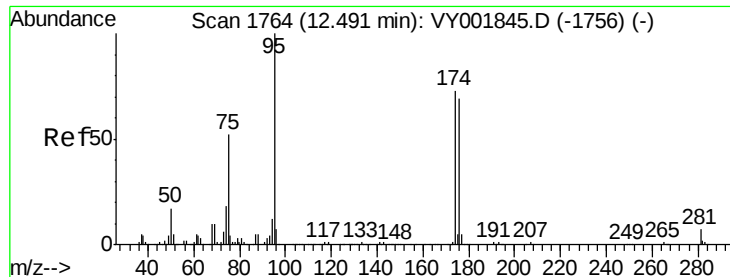
Tgt Ion: 97 Resp: 3874
 Ion Ratio Lower Upper
 97 100
 83 6.7 71.6 107.4#
 85 0.0 46.6 69.8#
 99 0.0 49.8 74.6#



#59
 2-Hexanone
 Concen: 3.093 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. -0.04 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

Tgt Ion: 43 Resp: 3836
 Ion Ratio Lower Upper
 43 100
 58 3.8 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: 55.438 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-4(3-4)

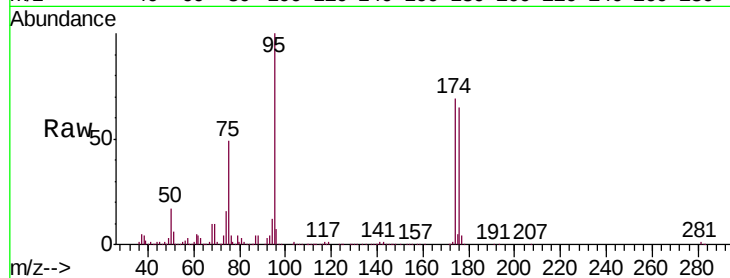
Tgt Ion: 95 Resp: 141423

Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.0

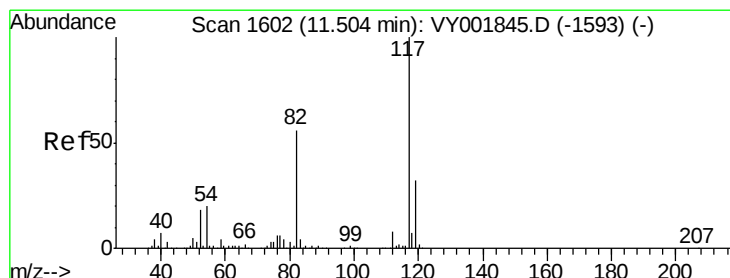
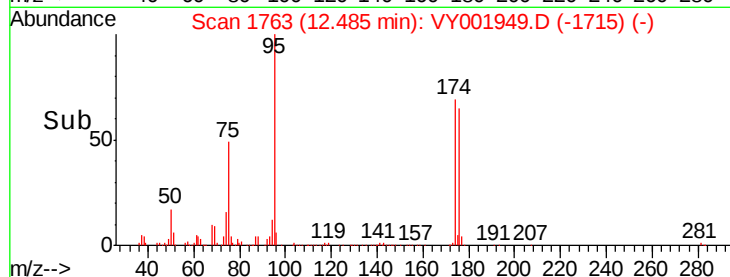
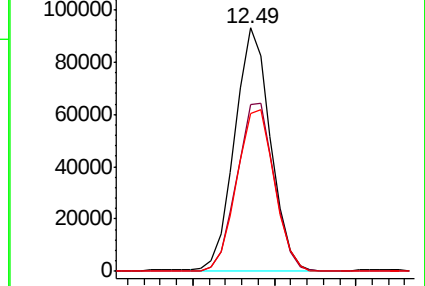
176 70.2 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

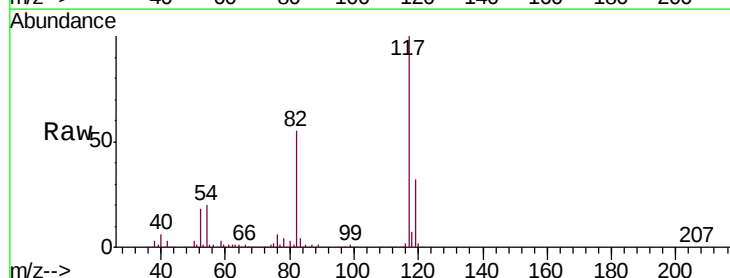
Tgt Ion: 117 Resp: 294915

Ion Ratio Lower Upper

117 100

82 54.6 44.5 66.7

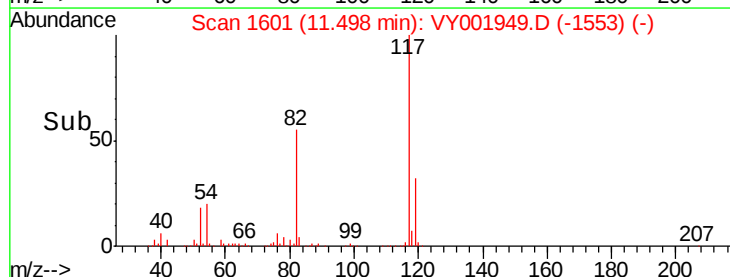
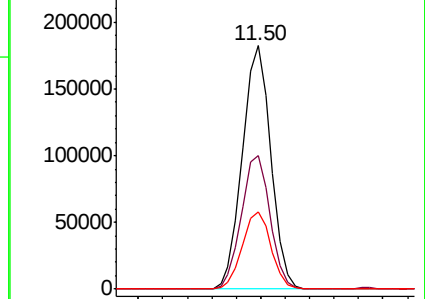
119 31.9 25.7 38.5

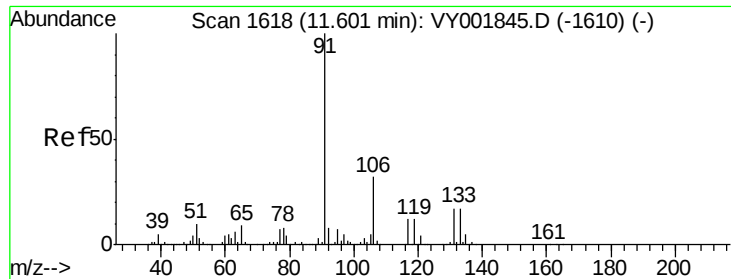


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#67

Ethyl Benzene

Concen: 1.078 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

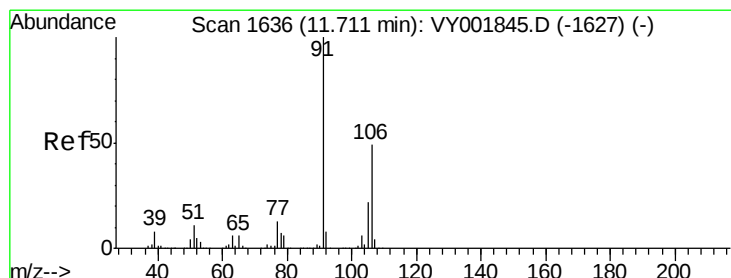
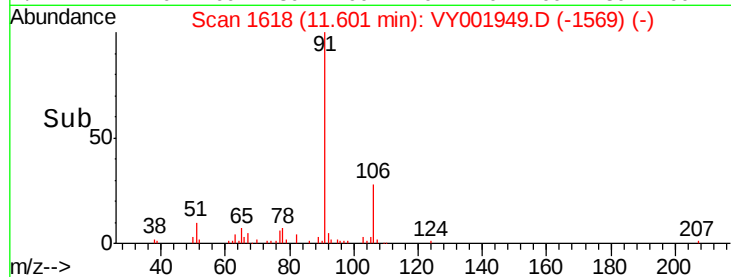
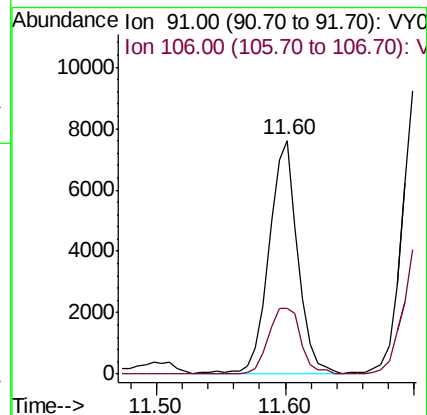
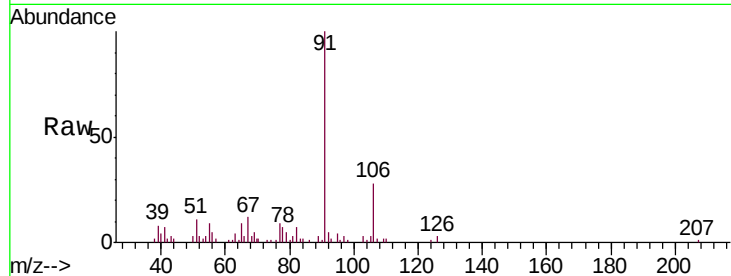
TP-4(3-4)

Tgt Ion: 91 Resp: 11813

Ion Ratio Lower Upper

91 100

106 28.0 25.4 38.2



#68

m/p-Xylenes

Concen: 2.258 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001949.D

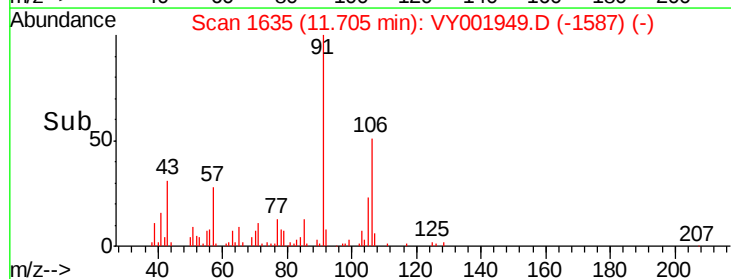
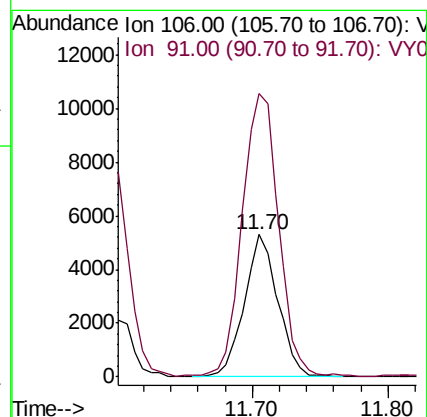
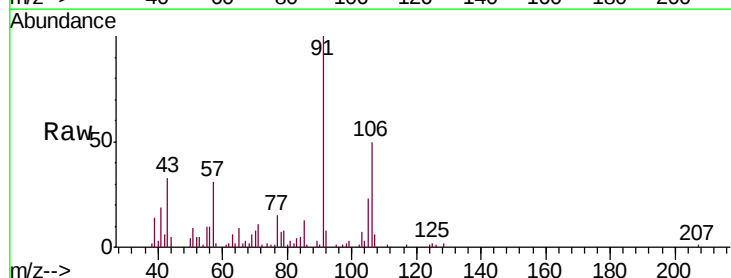
Acq: 11 Mar 2020 17:30

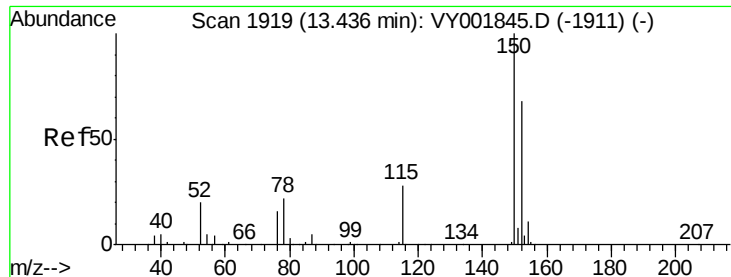
Tgt Ion: 106 Resp: 9149

Ion Ratio Lower Upper

106 100

91 217.1 161.3 241.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-4(3-4)

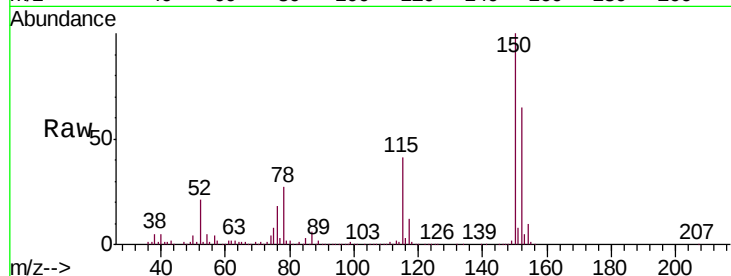
Tgt Ion:152 Resp: 136722

Ion Ratio Lower Upper

152 100

115 62.1 29.9 89.7

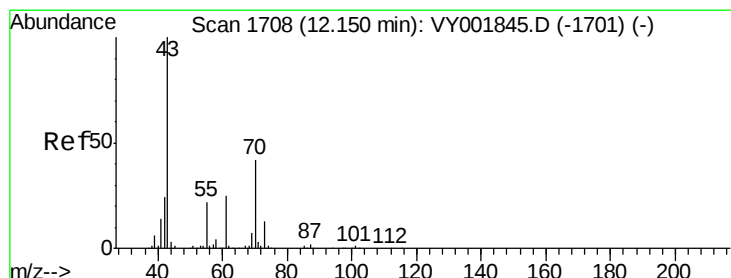
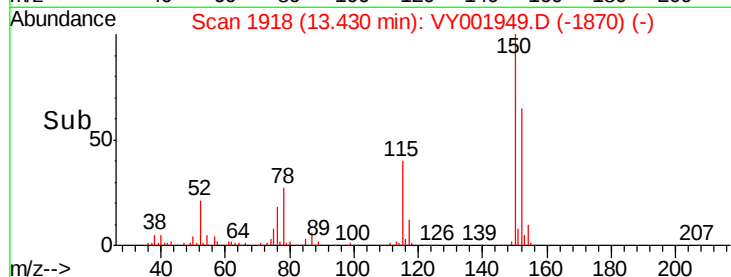
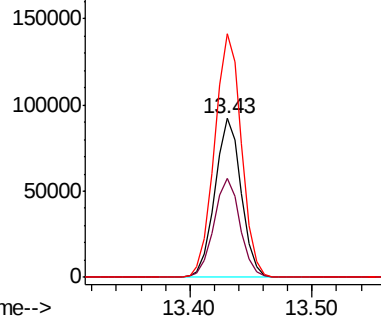
150 157.3 0.0 340.6



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



#74

N-ethyl acetate

Concen: 1.206 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.02 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Tgt Ion: 43 Resp: 3868

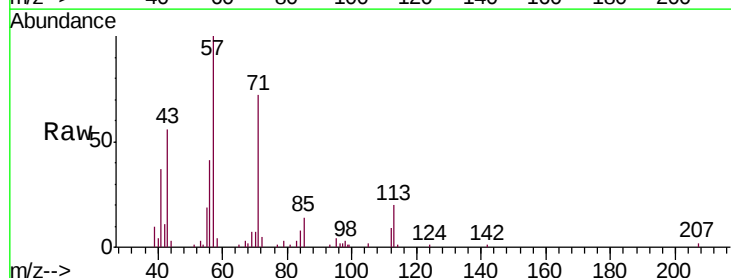
Ion Ratio Lower Upper

43 100

70 10.6 34.7 52.1#

55 15.1 18.2 27.4#

61 0.0 20.1 30.1#

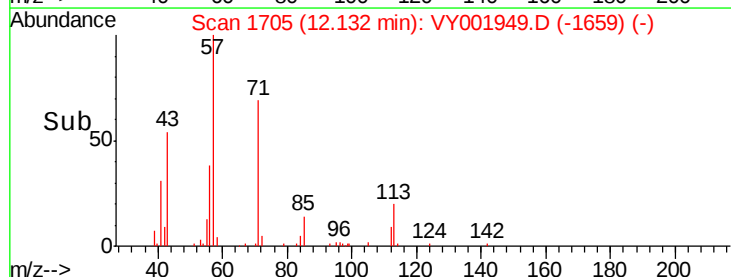
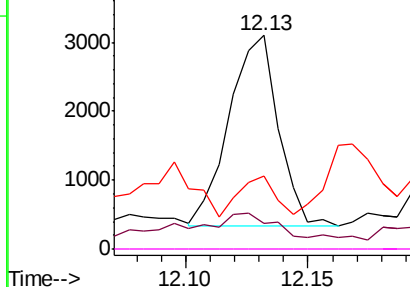


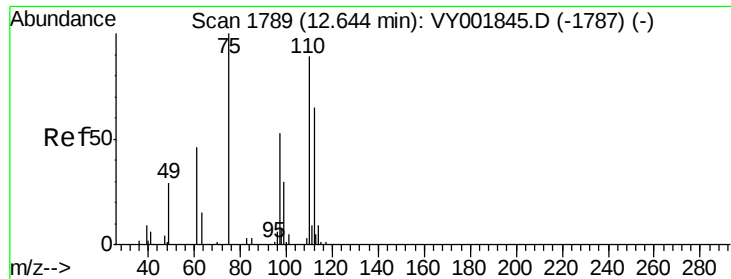
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

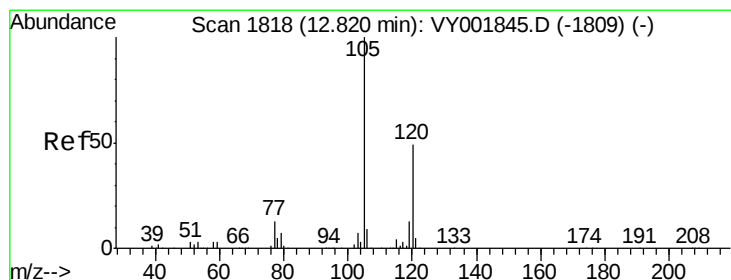
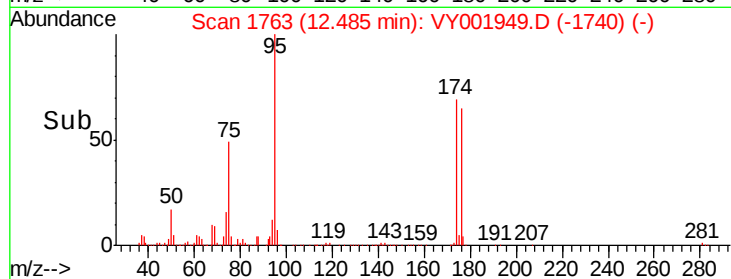
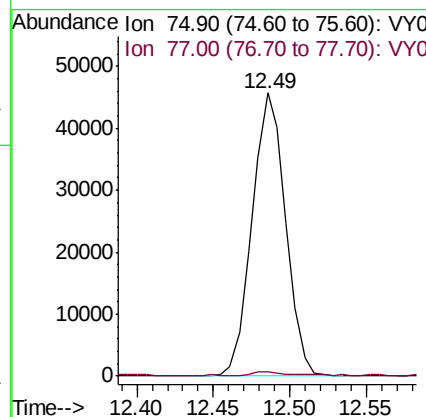
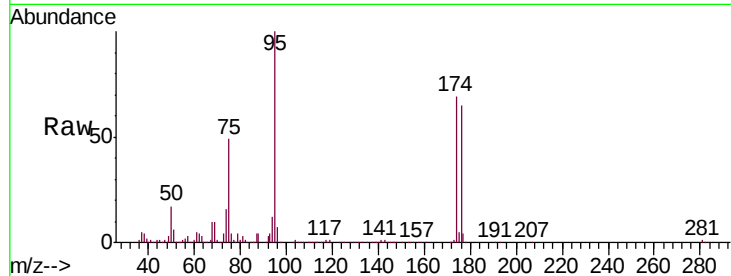




#76
 1,2,3-Trichloropropane
 Concen: 42.760 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

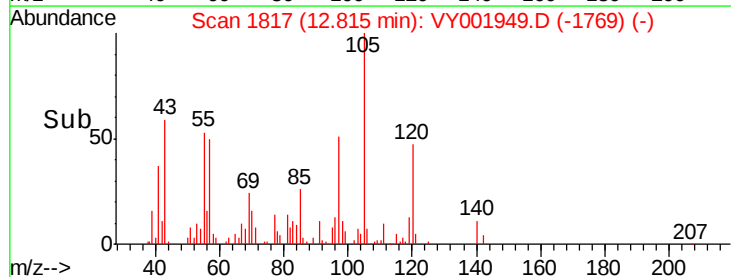
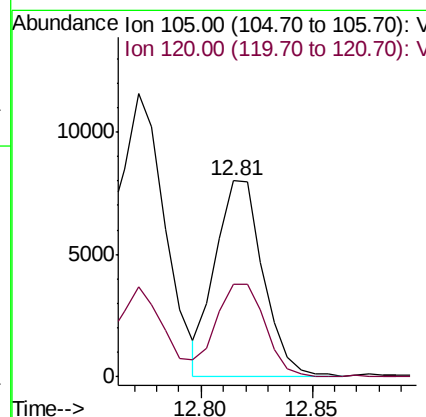
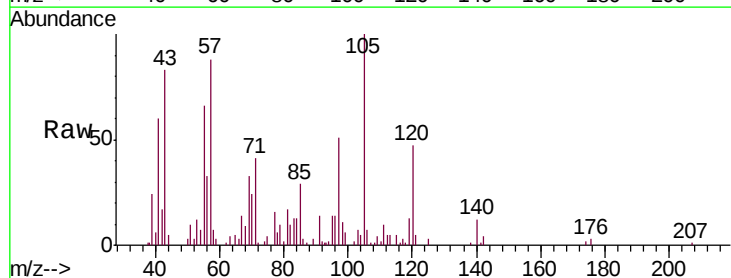
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-4(3-4)

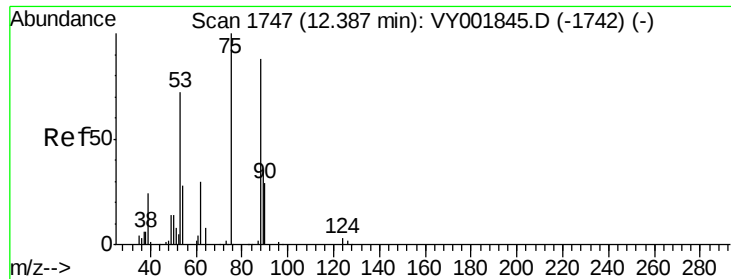
Tgt Ion: 75 Resp: 69369
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.400 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY001949.D
 Acq: 11 Mar 2020 17:30

Tgt Ion: 105 Resp: 12030
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 86.373 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampled :

TP-4(3-4)

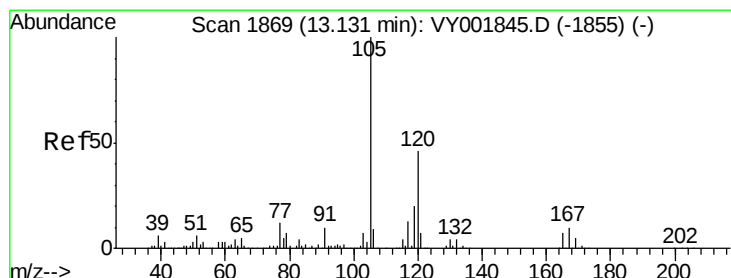
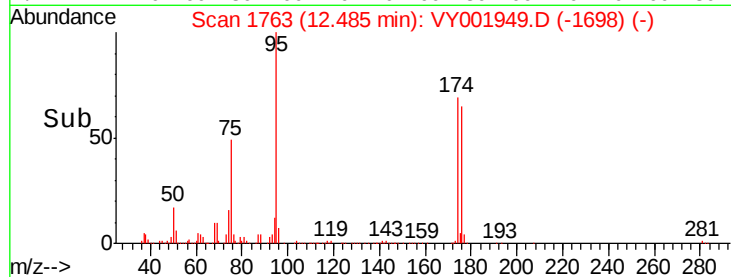
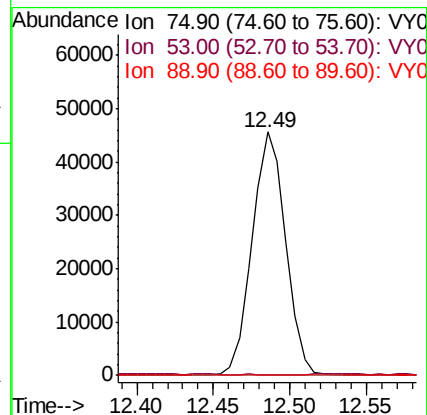
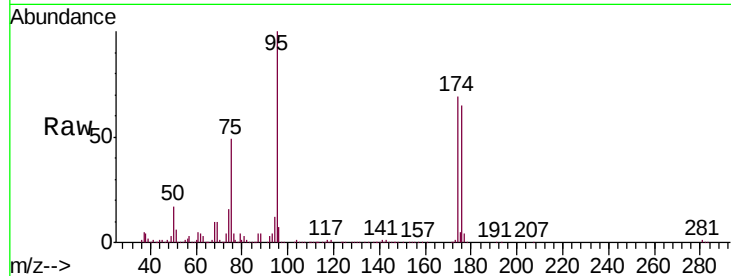
Tgt Ion: 75 Resp: 69369

Ion Ratio Lower Upper

75 100

53 0.3 65.4 98.0#

89 0.0 36.0 54.0#



#84

1,2,4-Trimethylbenzene

Concen: 5.862 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VY001949.D

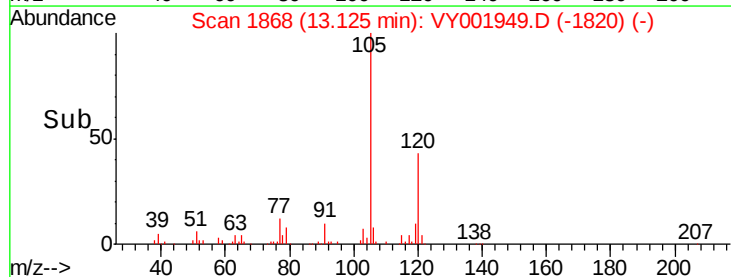
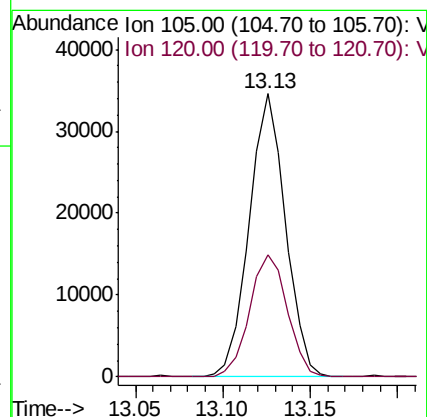
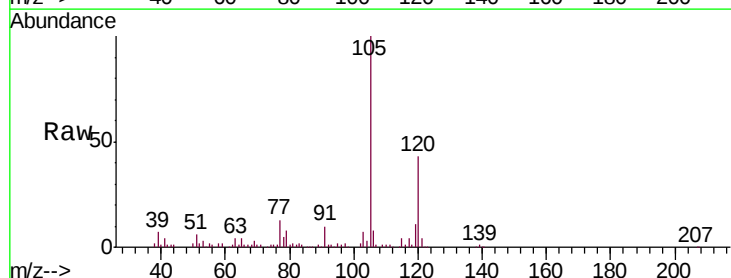
Acq: 11 Mar 2020 17:30

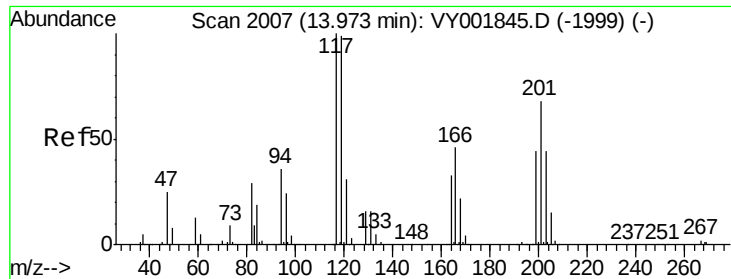
Tgt Ion: 105 Resp: 49988

Ion Ratio Lower Upper

105 100

120 44.8 22.6 67.7





#90

Hexachloroethane

Concen: 1.155 ug/l

RT: 13.98 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

Instrument :

MSVOA_Y

ClientSampleId :

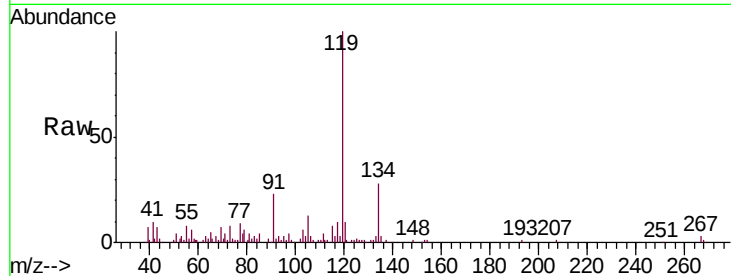
TP-4(3-4)

Tgt Ion:117 Resp: 1978

Ion Ratio Lower Upper

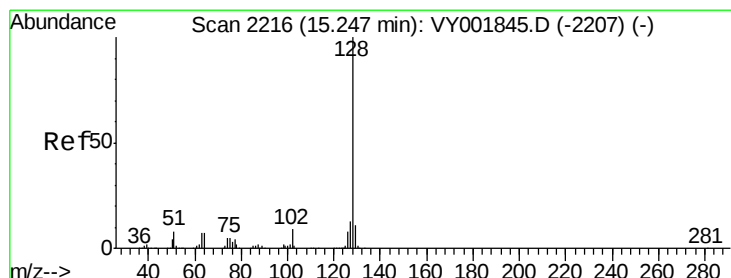
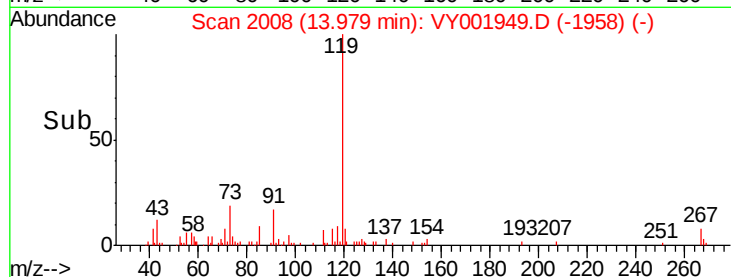
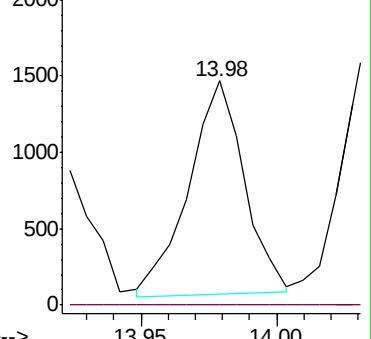
117 100

201 0.0 32.5 97.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.999 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001949.D

Acq: 11 Mar 2020 17:30

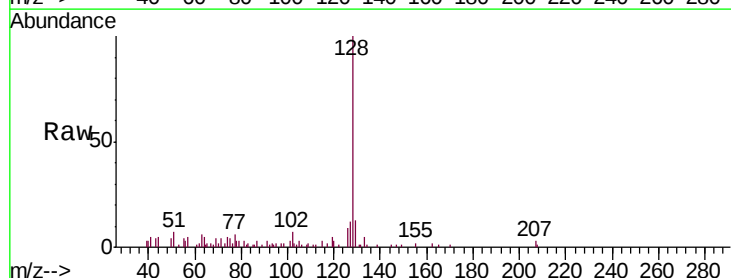
Tgt Ion:128 Resp: 12103

Ion Ratio Lower Upper

128 100

127 14.6 10.1 15.1

129 13.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

