

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112219\
 Data File : VY000787.D
 Acq On : 22 Nov 2019 12:50
 Operator : SY/MD
 Sample : K5970-01
 Misc : 8.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28-S1

Quant Time: Nov 23 04:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	266576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	493090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	434142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	186316	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	160942	58.34	ug/l	0.00
Spiked Amount			Recovery	=	116.68%	
35) Dibromofluoromethane	7.73	113	141512	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.18	98	589686	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.48	95	187678	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

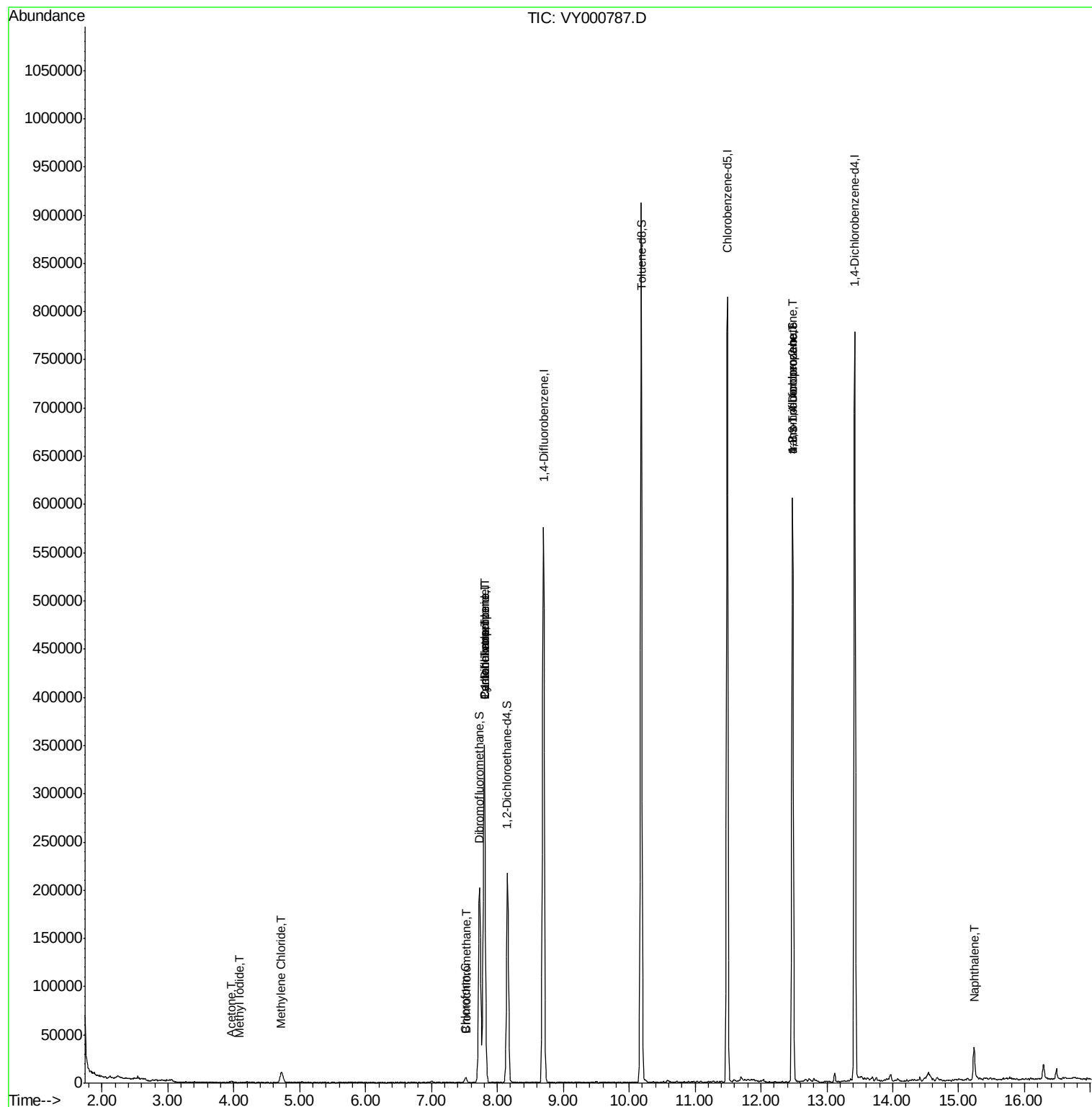
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	46	3.211	ug/l #	41
16) Acetone	3.96	43	1305	1.716	ug/l #	80
20) Methylene Chloride	4.71	84	8128	2.495	ug/l	94
28) Bromochloromethane	7.53	49	333	4.224	ug/l #	14
30) Chloroform	7.52	83	5415	1.050	ug/l #	79
31) Cyclohexane	7.80	56	5907	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22848	4.901	ug/l #	48
38) Carbon Tetrachloride	7.80	117	26601	5.931	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	100207	47.235	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	100207	105.907	ug/l #	13
95) Naphthalene	15.23	128	22928	2.733	ug/l #	95

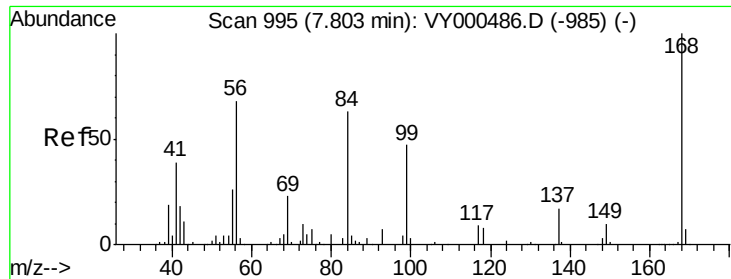
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
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QLast Update : Wed Oct 30 13:30:53 2019
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: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

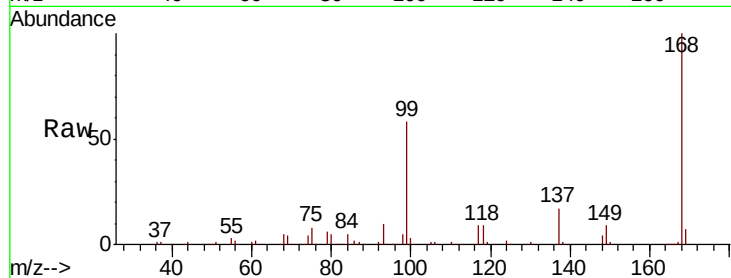
TP-28-S1

Tot Ion:168 Resp: 266576

Ion Ratio Lower Upper

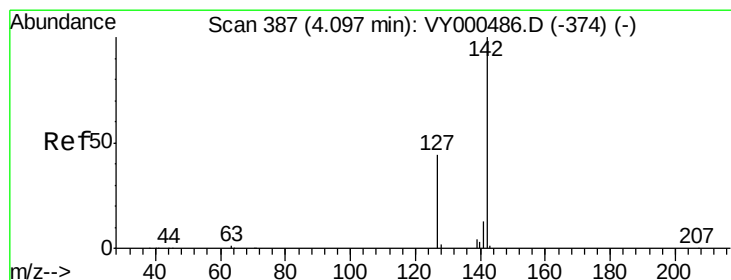
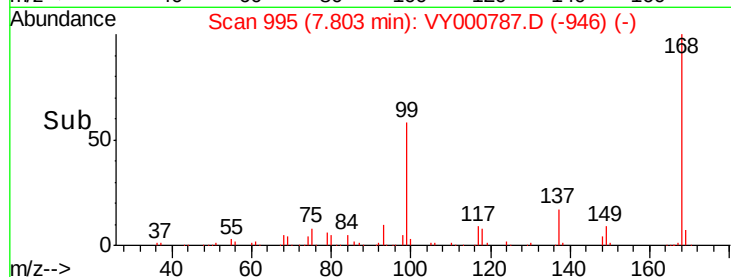
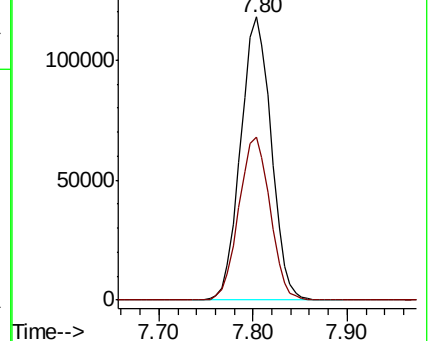
168 100

99 57.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.211 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

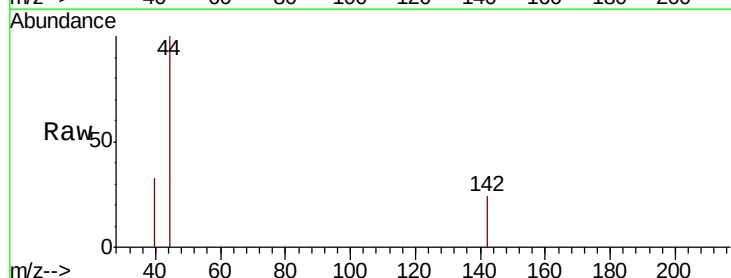
Tgt Ion:142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

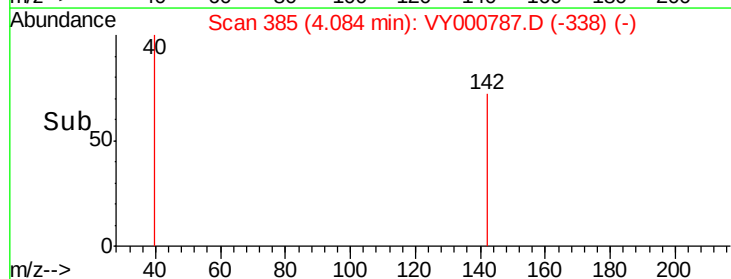
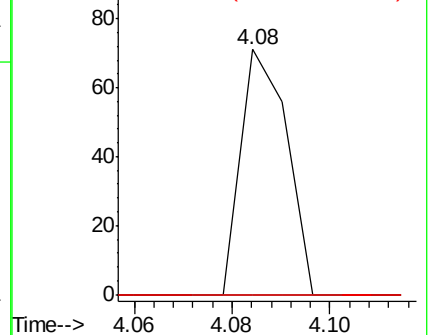
141 0.0 10.9 16.3#

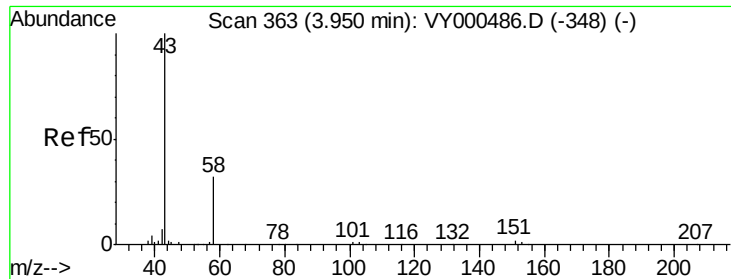


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 1.716 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

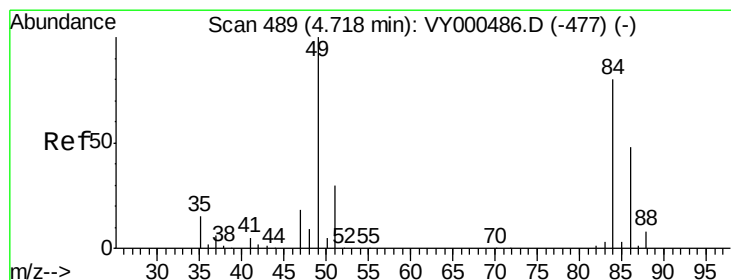
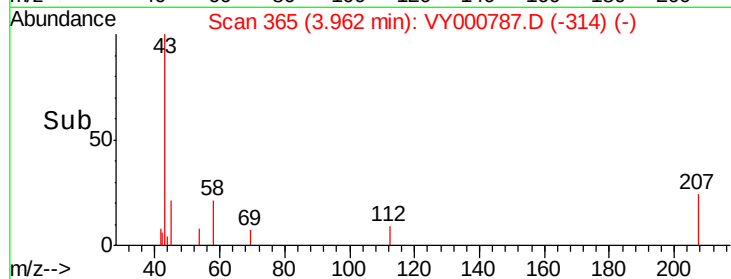
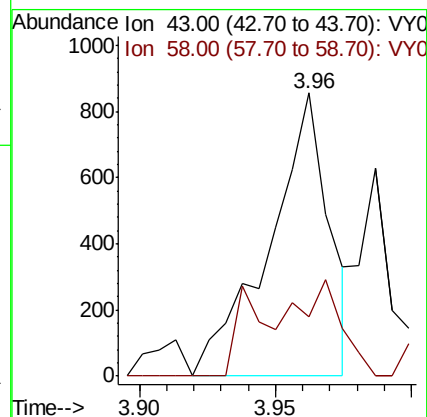
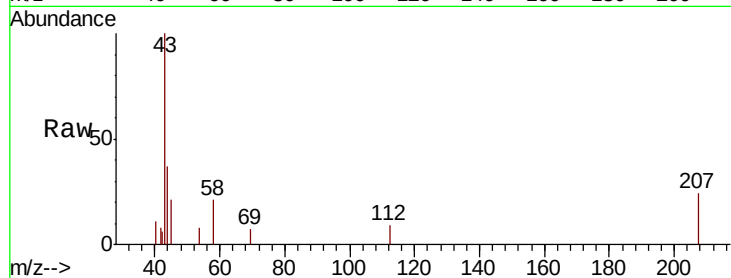
TP-28-S1

Tot Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 20.8 25.8 38.6#



#20

Methylene Chloride

Concen: 2.495 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Tgt Ion: 84 Resp: 8128

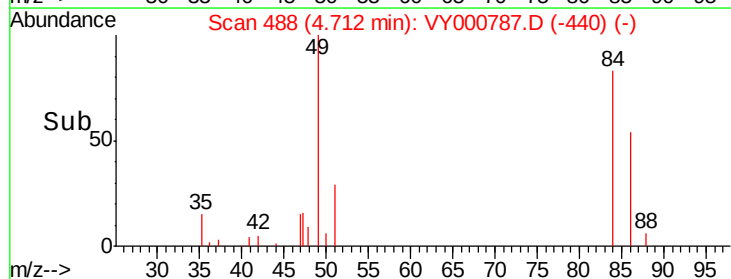
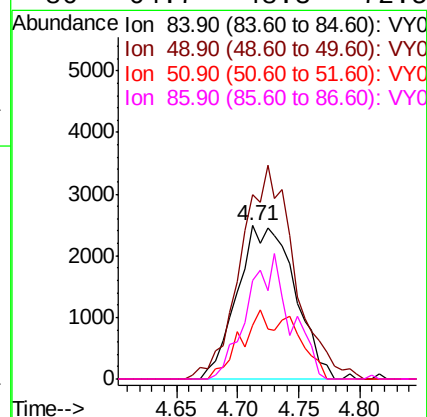
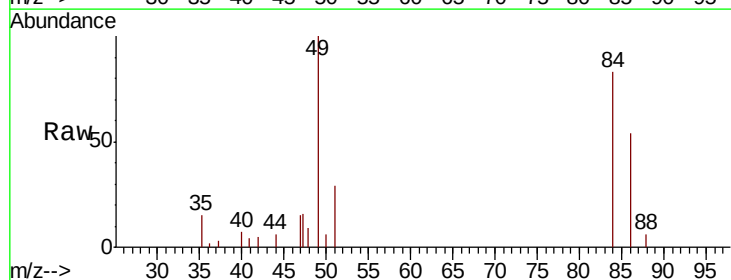
Ion Ratio Lower Upper

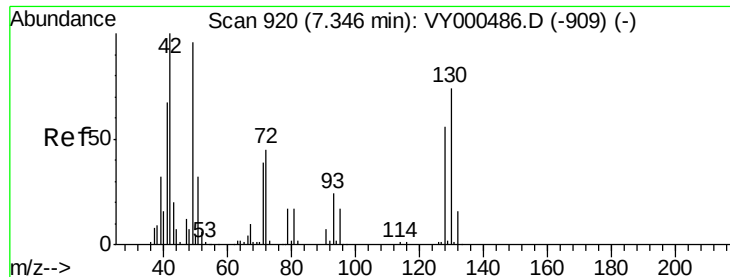
84 100

49 117.8 100.2 150.4

51 35.3 29.6 44.4

86 64.7 48.3 72.5





#28

Bromochloromethane

Concen: 4.224 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.18 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-28-S1

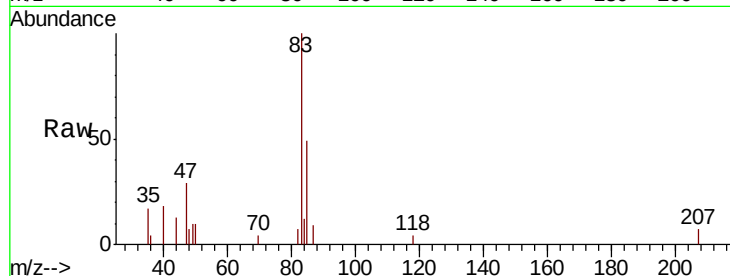
Tot Ion: 49 Resp: 333

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

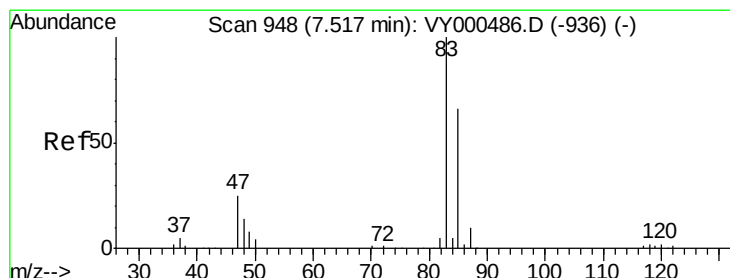
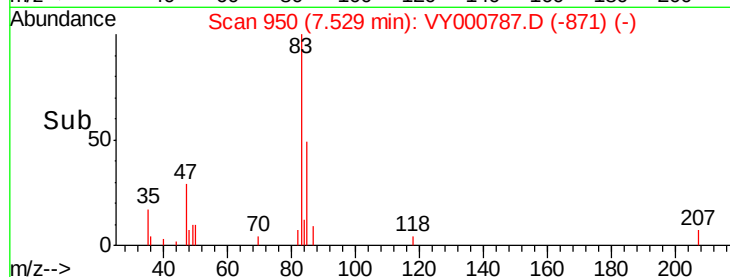
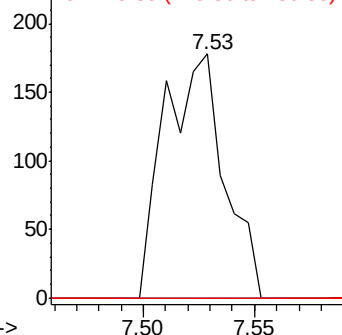
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 1.050 ug/l

RT: 7.52 min Scan# 949

Delta R.T. 0.01 min

Lab File: VY000787.D

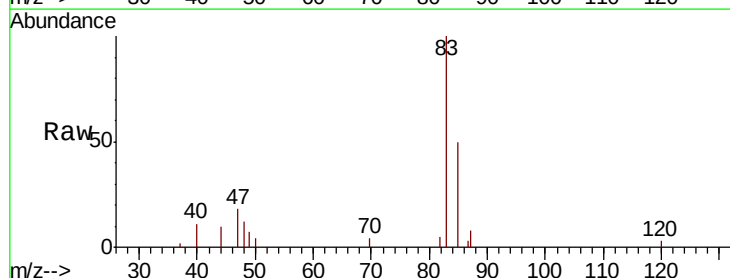
Acq: 22 Nov 2019 12:50

Tgt Ion: 83 Resp: 5415

Ion Ratio Lower Upper

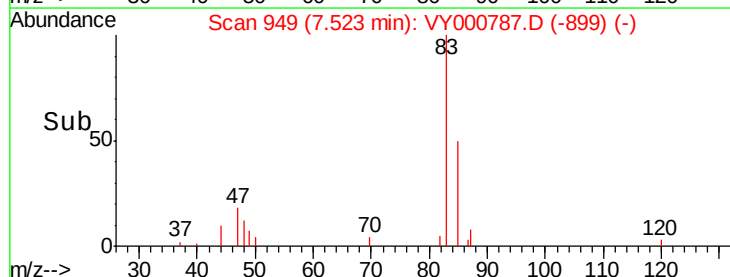
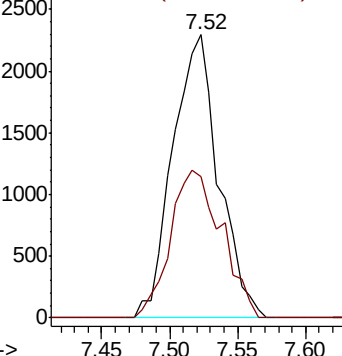
83 100

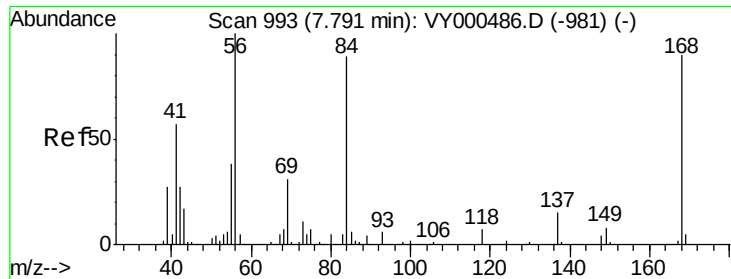
85 49.8 53.0 79.4#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

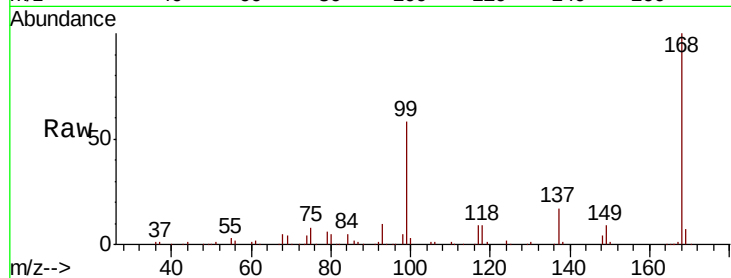




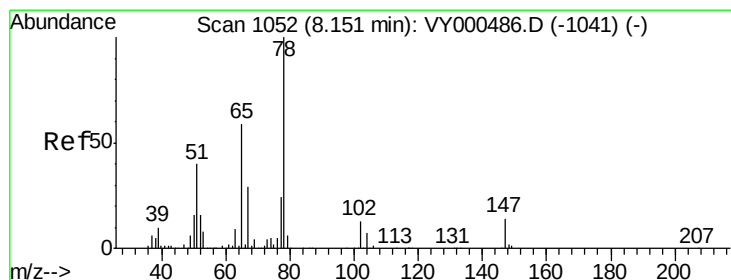
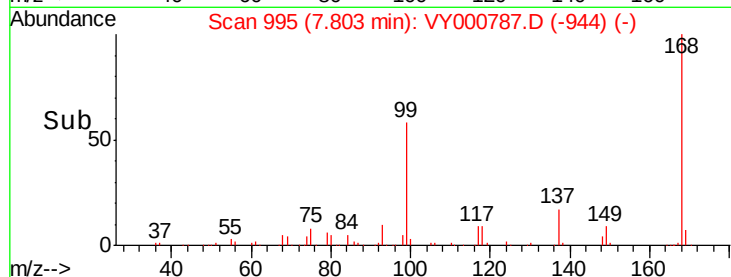
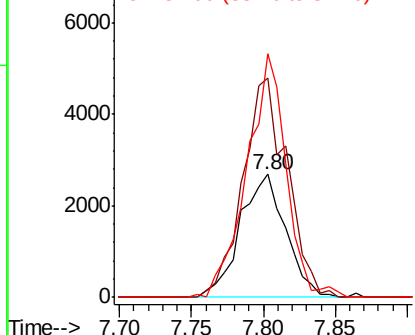
#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000787.D
Acq: 22 Nov 2019 12:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-28-S1

Tot Ion: 56 Resp: 5907
Ion Ratio Lower Upper
56 100
69 178.5 25.0 37.6#
84 198.4 71.4 107.2#

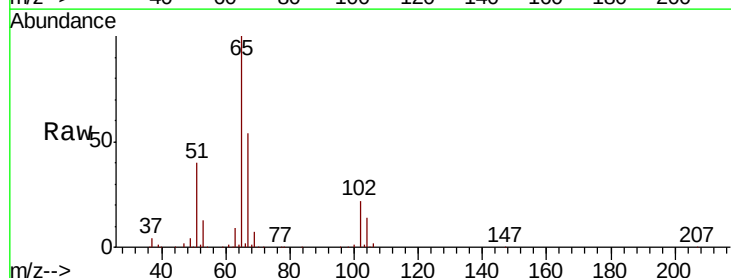


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

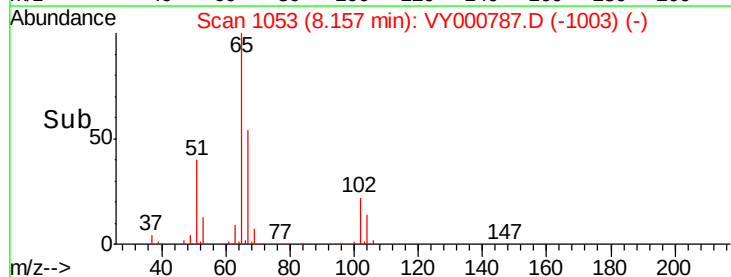
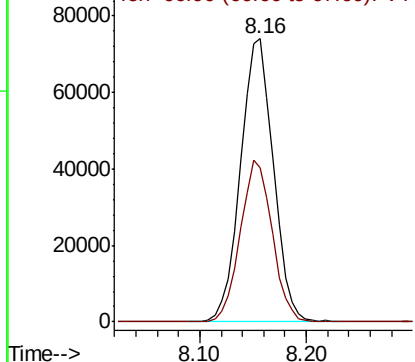


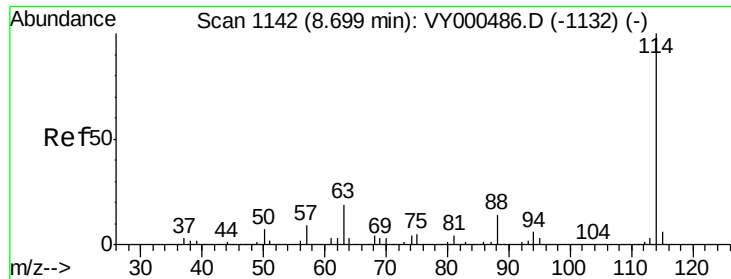
#33
1,2-Dichloroethane-d4
Concen: 58.340 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000787.D
Acq: 22 Nov 2019 12:50

Tgt Ion: 65 Resp: 160942
Ion Ratio Lower Upper
65 100
67 55.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

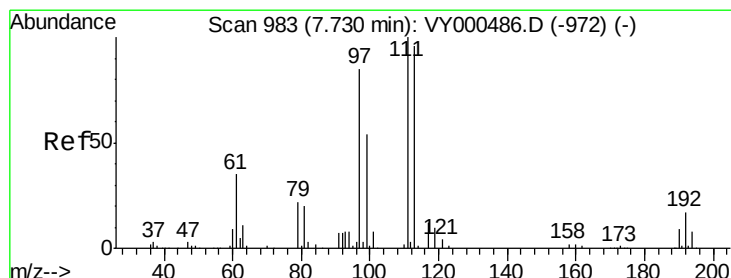
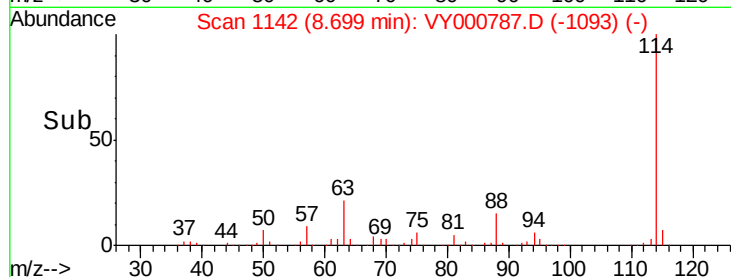
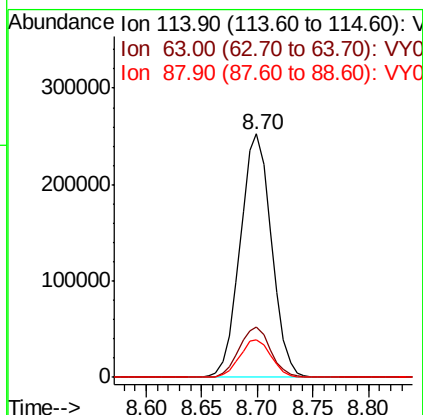
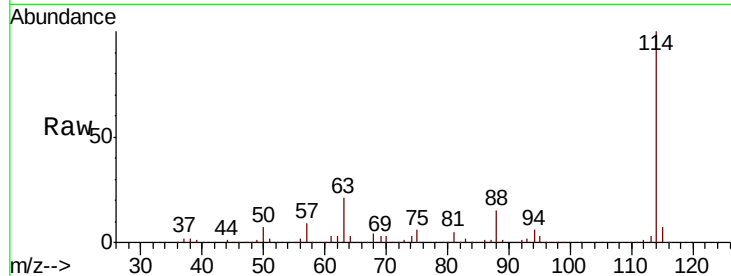




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000787.D
 Acq: 22 Nov 2019 12:50

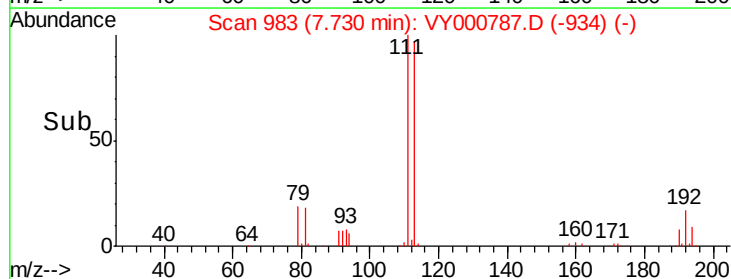
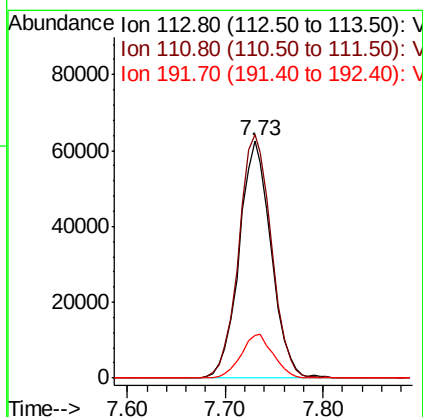
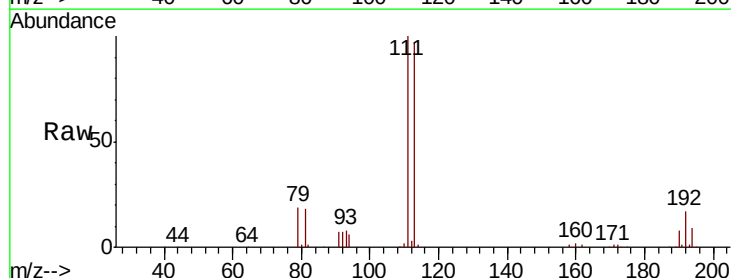
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28-S1

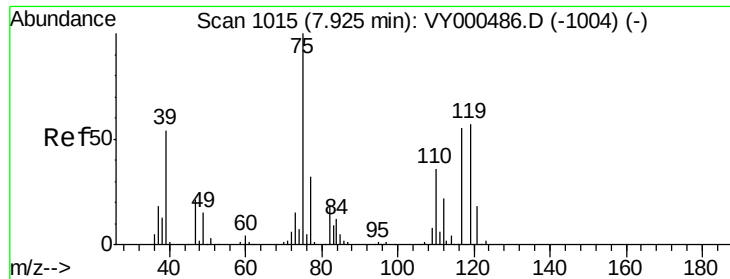
Tot Ion:114 Resp: 493090
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.0
 88 15.2 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 48.886 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000787.D
 Acq: 22 Nov 2019 12:50

Tgt Ion:113 Resp: 141512
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.7 122.5
 192 18.6 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-28-S1

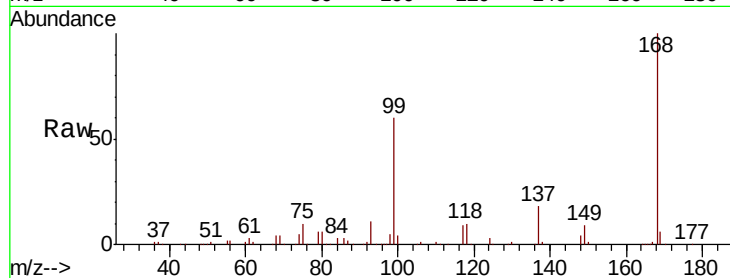
Tot Ion: 75 Resp: 22848

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.1#

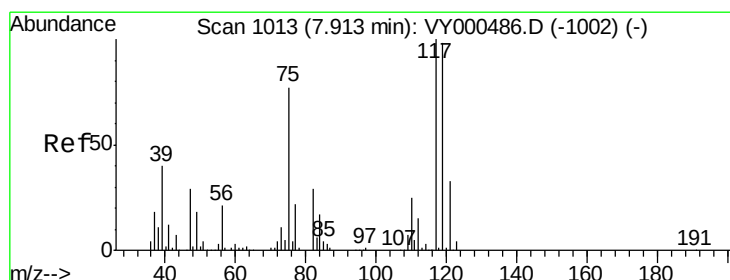
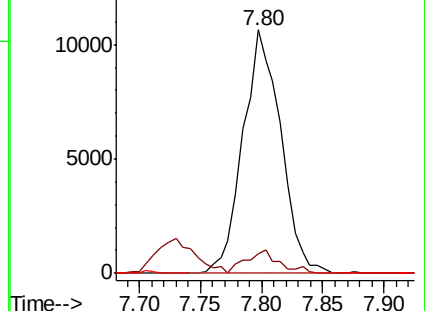
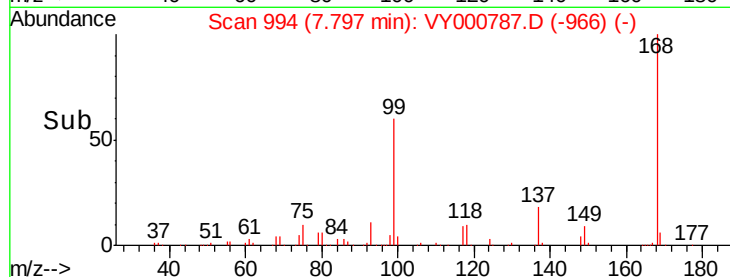
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000787.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY000787.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY000787.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.931 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

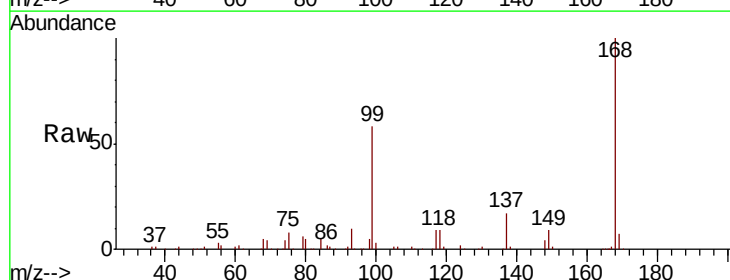
Tgt Ion: 117 Resp: 26601

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

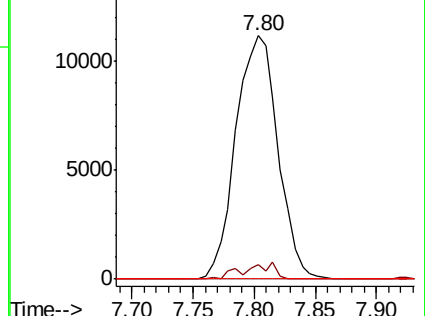
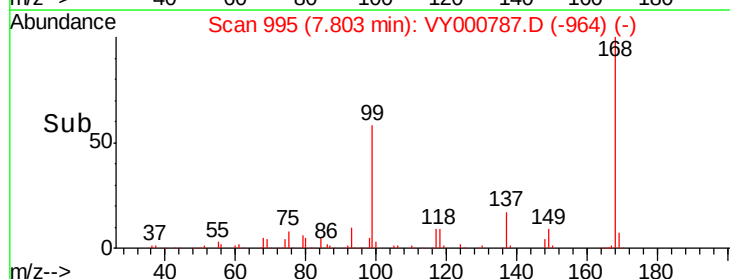
121 0.0 26.6 40.0#

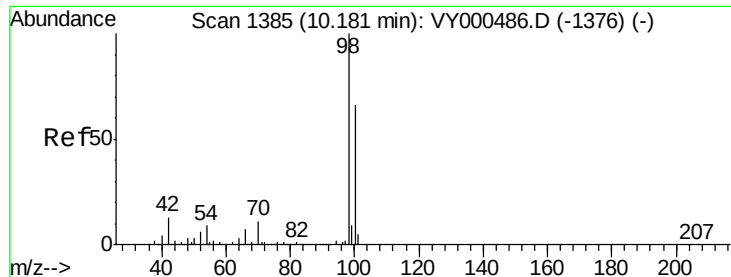


Abundance Ion 116.80 (116.50 to 117.50): VY000787.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000787.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000787.D (-964) (-)





#50

Toluene-d8

Concen: 53.686 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

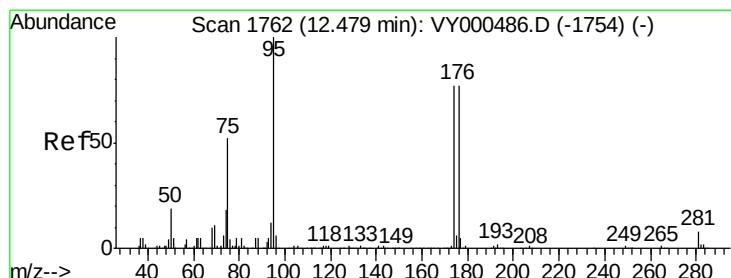
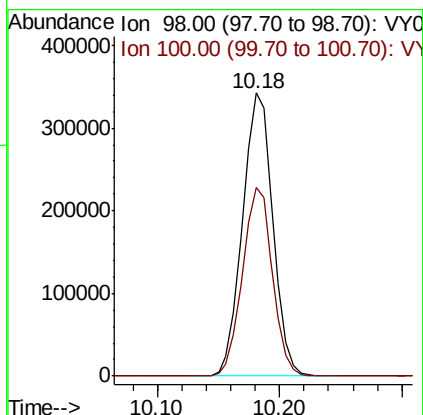
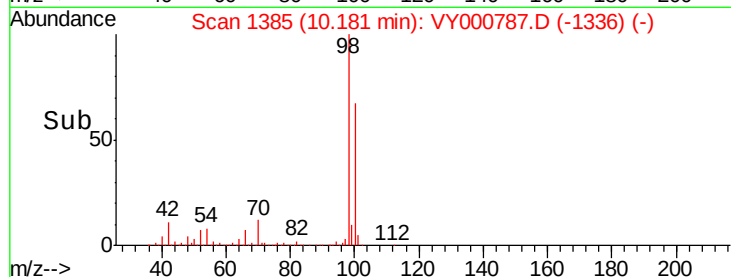
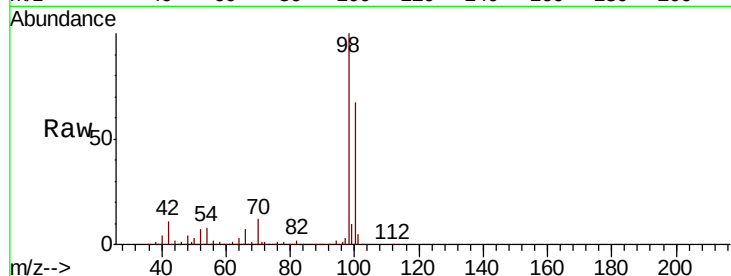
TP-28-S1

Tot Ion: 98 Resp: 589686

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 44.882 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

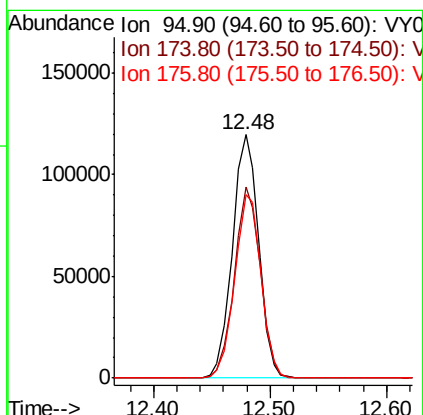
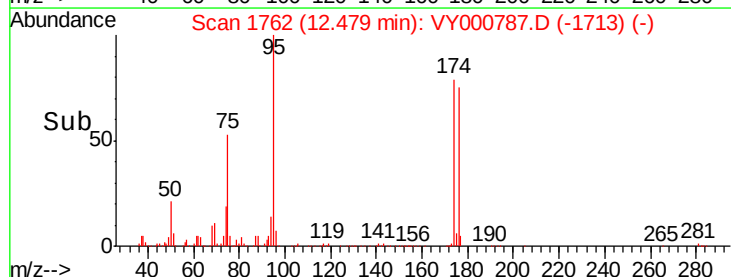
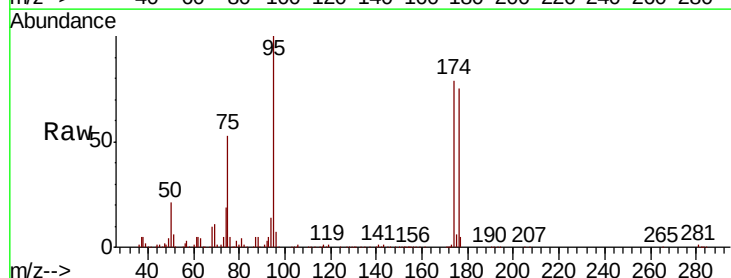
Tgt Ion: 95 Resp: 187678

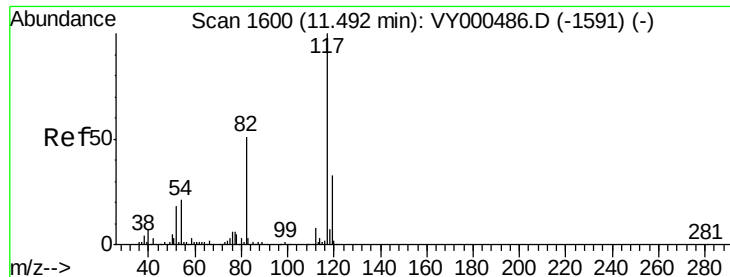
Ion Ratio Lower Upper

95 100

174 77.6 0.0 161.6

176 75.5 0.0 157.8

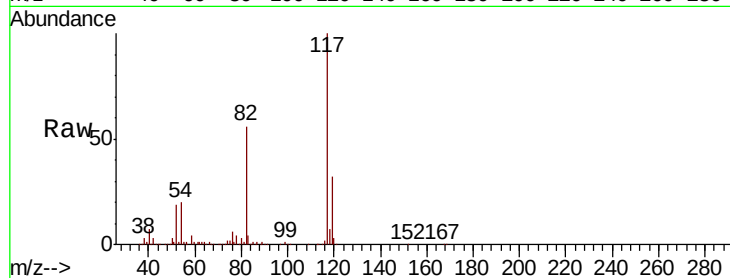




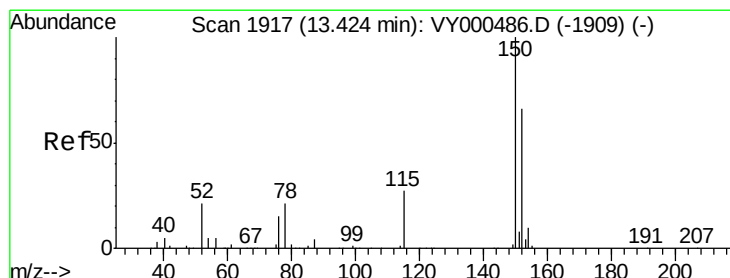
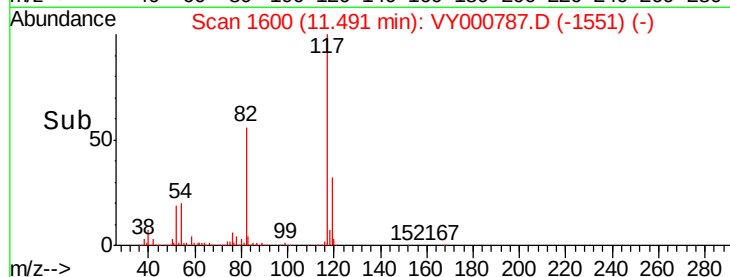
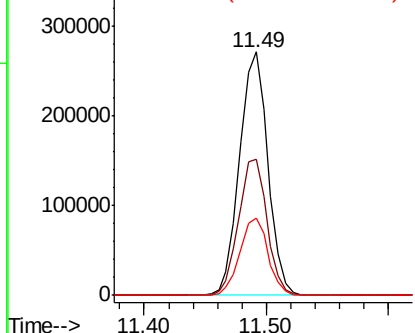
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000787.D
Acq: 22 Nov 2019 12:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-28-S1

Tot Ion:117 Resp: 434142
Ion Ratio Lower Upper
117 100
82 55.6 40.8 61.2
119 31.9 26.2 39.2

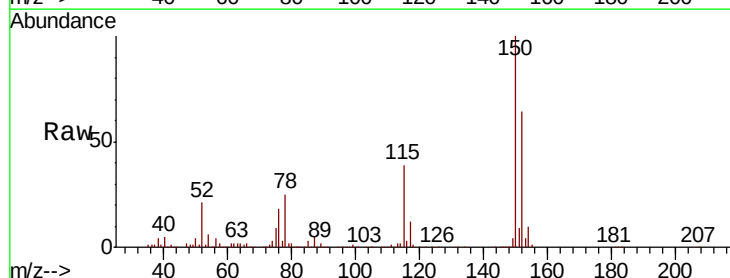


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

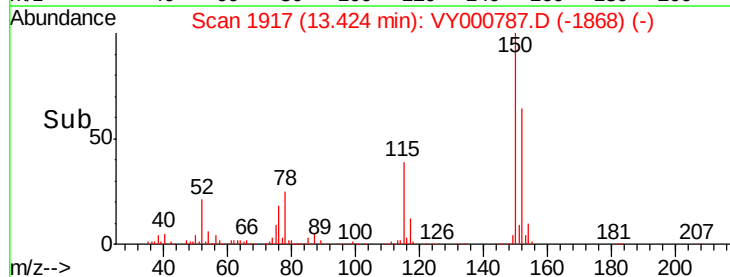
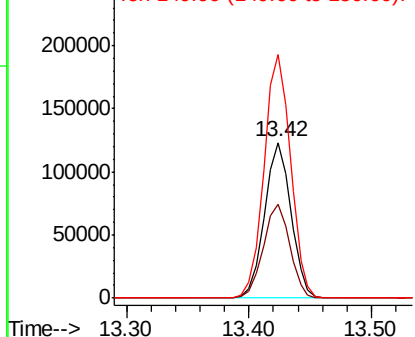


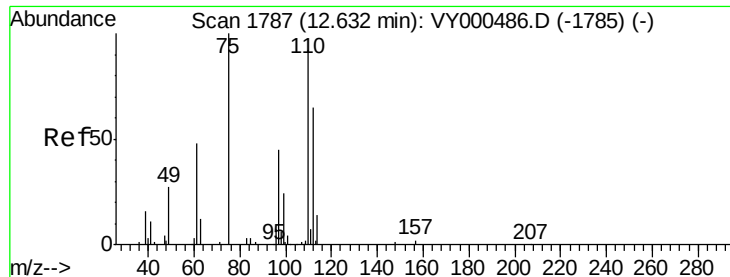
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000787.D
Acq: 22 Nov 2019 12:50

Tgt Ion:152 Resp: 186316
Ion Ratio Lower Upper
152 100
115 60.4 29.1 87.4
150 157.0 0.0 348.8



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: 47.235 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

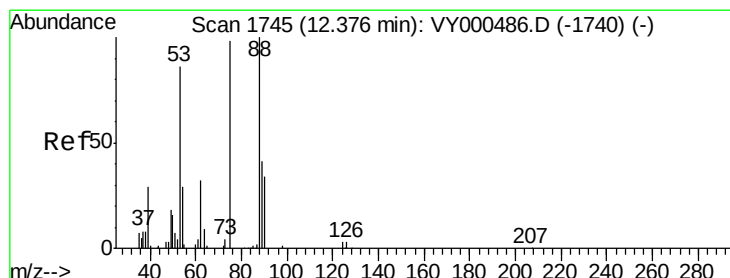
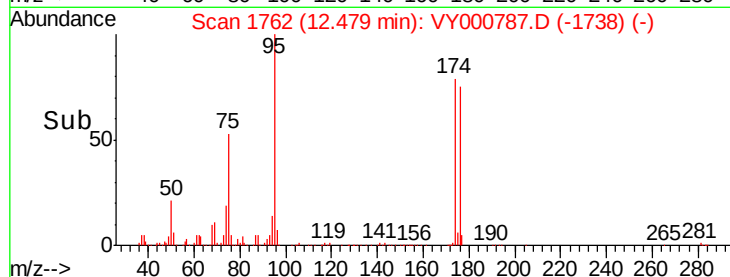
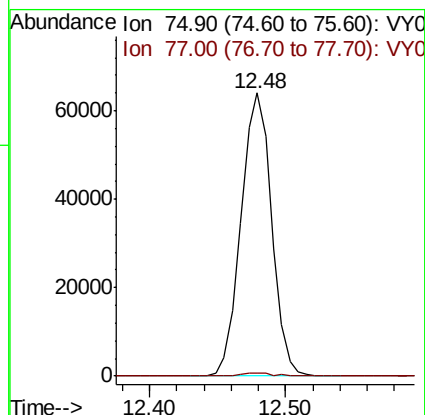
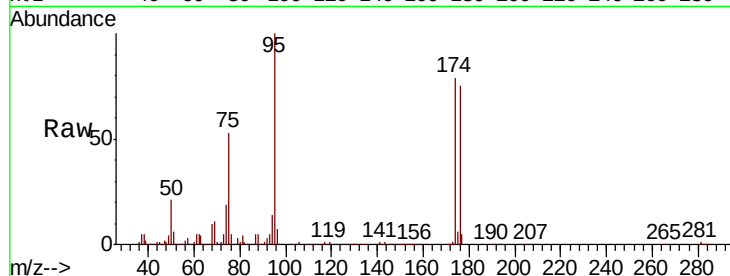
TP-28-S1

Tot Ion: 75 Resp: 100207

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.907 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

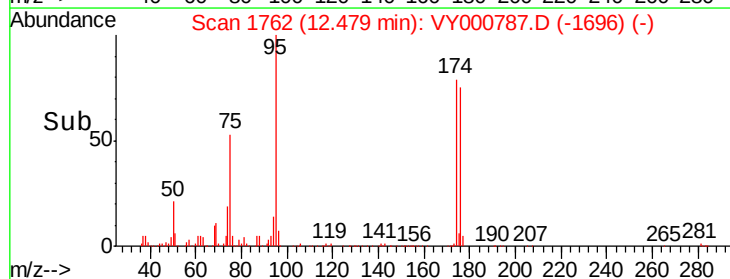
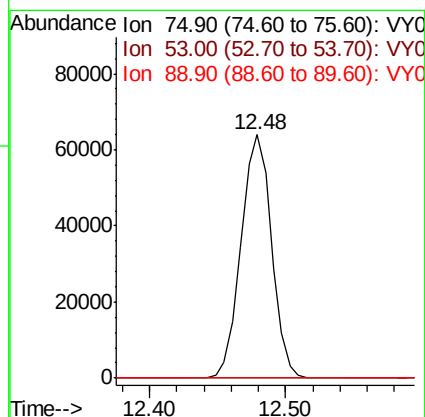
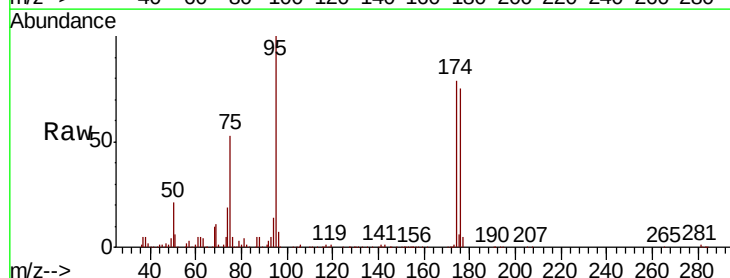
Tgt Ion: 75 Resp: 100207

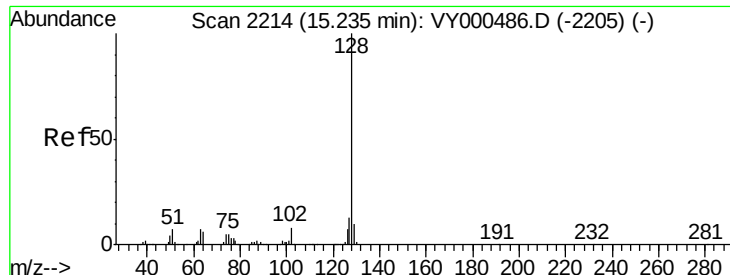
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#





#95

Naphthalene

Concen: 2.733 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000787.D

Acq: 22 Nov 2019 12:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-28-S1

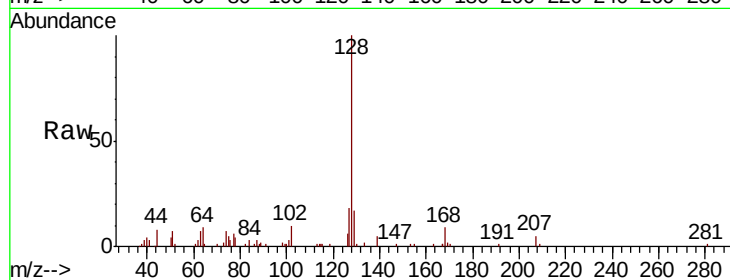
Tot Ion:128 Resp: 22928

Ion Ratio Lower Upper

128 100

127 13.9 9.8 14.6

129 13.4 8.7 13.1#



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

