

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000563.D
 Acq On : 06 Nov 2019 19:36
 Operator : SY/MD
 Sample : K5723-04
 Misc : 7.1G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8-A

Quant Time: Nov 07 04:59:16 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	229205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	413924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	354234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	135565	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	141335	59.59	ug/l	0.00
Spiked Amount			Recovery	=	119.18%	
35) Dibromofluoromethane	7.73	113	121387	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.18	98	477025	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.48	95	147103	41.91	ug/l	0.00
Spiked Amount			Recovery	=	83.82%	

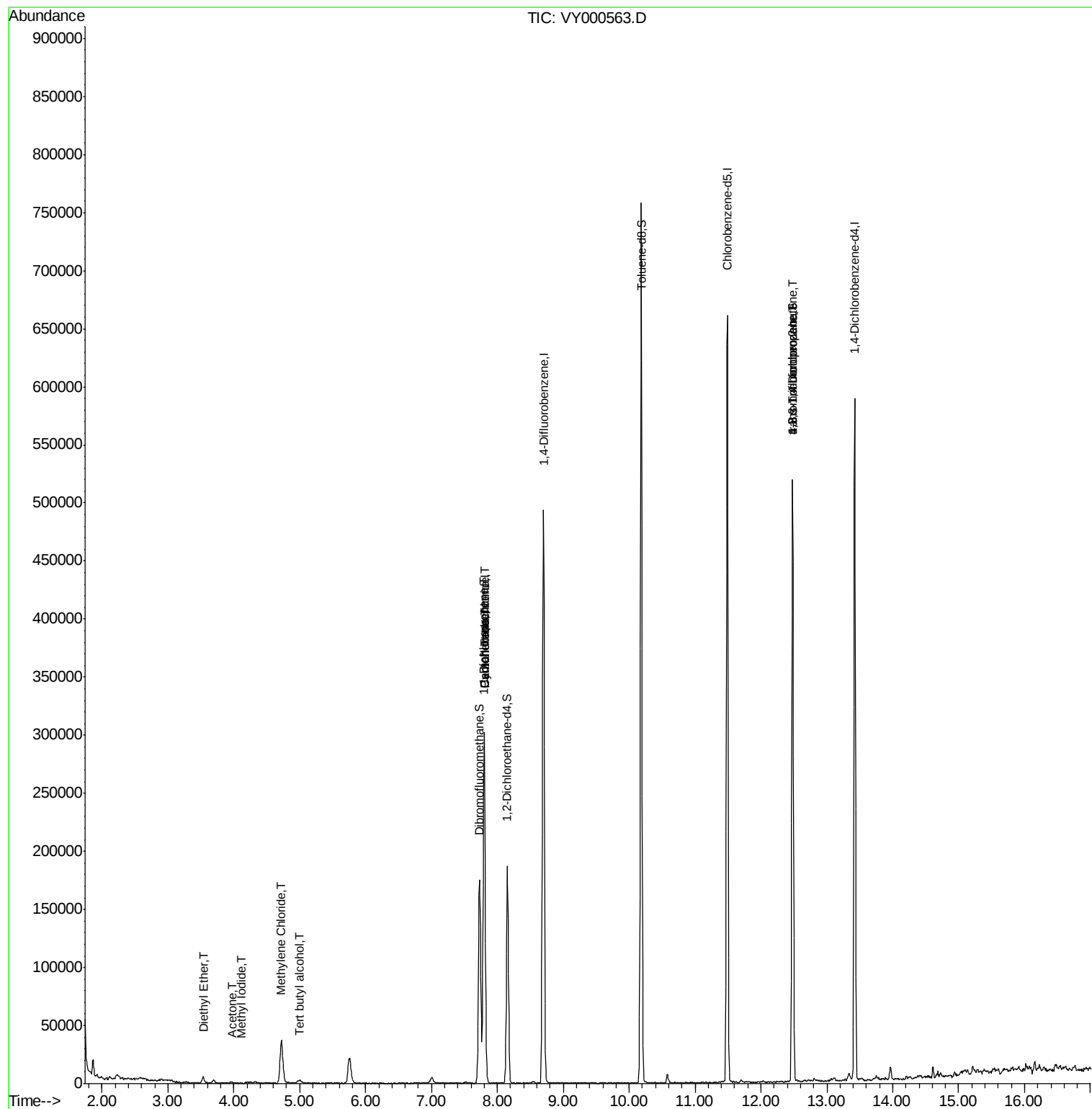
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	3181	2.297	ug/l	98
10) Methyl Iodide	4.11	142	150	3.245	ug/l #	41
11) Tert butyl alcohol	4.99	59	5192	22.486	ug/l #	75
16) Acetone	3.96	43	1178	1.802	ug/l #	60
20) Methylene Chloride	4.72	84	26281	9.382	ug/l	94
31) Cyclohexane	7.80	56	5343	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	20358	5.203	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23326	6.195	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	80495	52.148	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80495	116.922	ug/l #	13

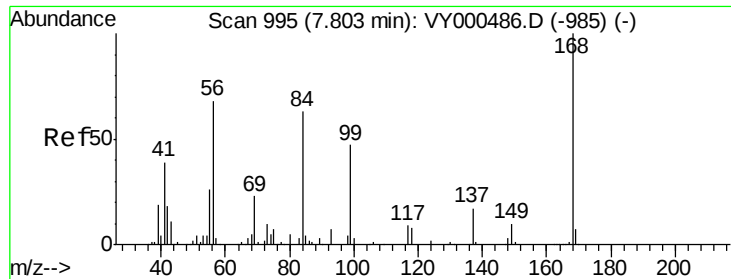
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000563.D

Acq: 06 Nov 2019 19:36

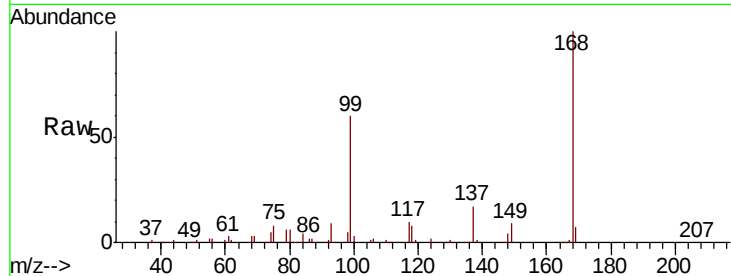
Instrument :
MSVOA_Y
ClientSampleId :
8-A

Tot Ion:168 Resp: 229205

Ion Ratio Lower Upper

168 100

99 59.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

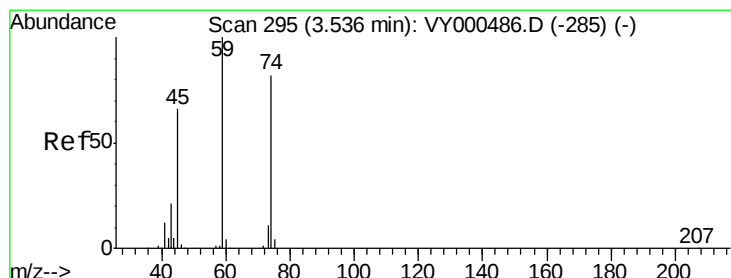
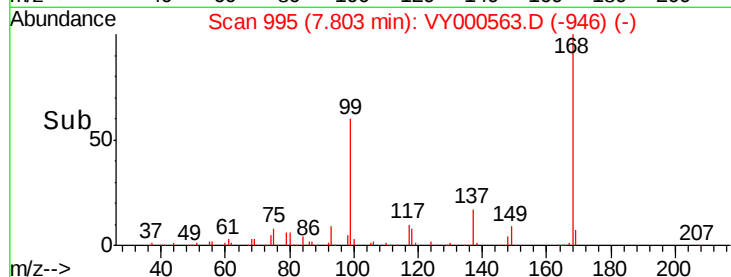
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.297 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000563.D

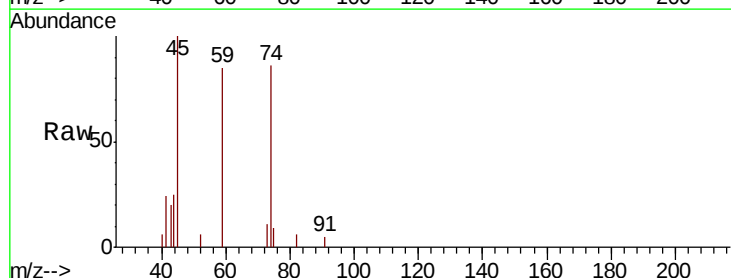
Acq: 06 Nov 2019 19:36

Tgt Ion: 74 Resp: 3181

Ion Ratio Lower Upper

74 100

45 92.5 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.53

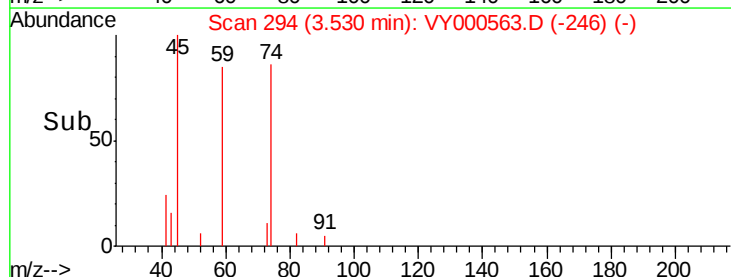
1500

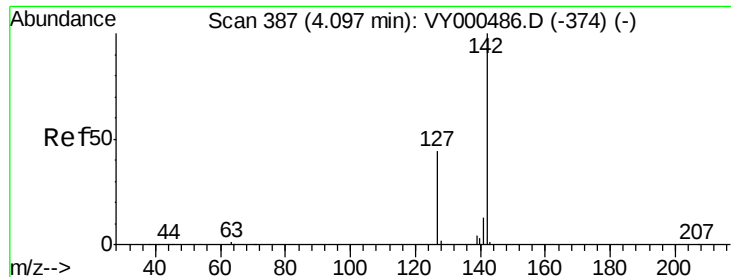
1000

500

0

Time-->

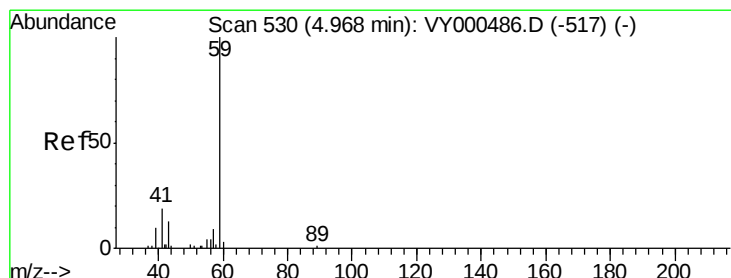
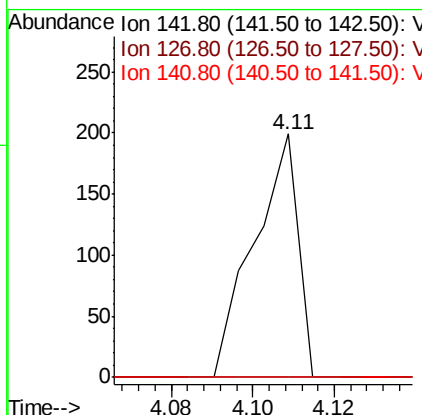
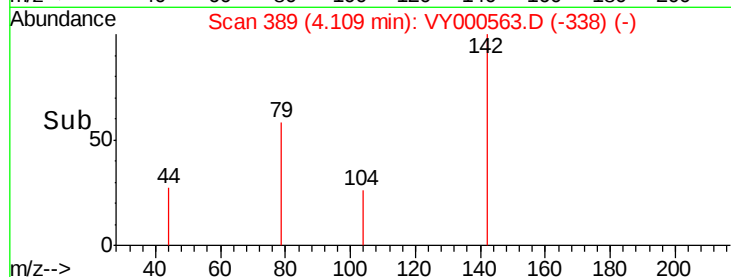
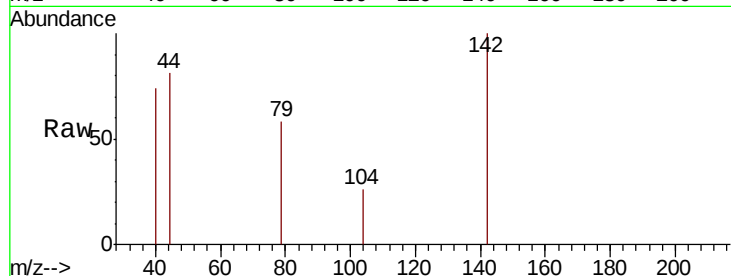




#10
Methyl Iodide
Concen: 3.245 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000563.D
Acq: 06 Nov 2019 19:36

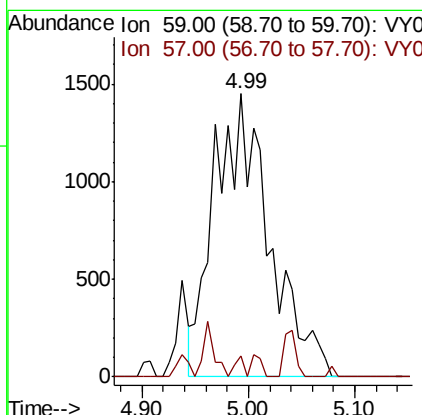
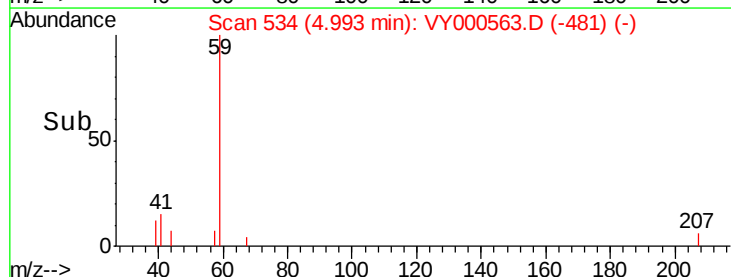
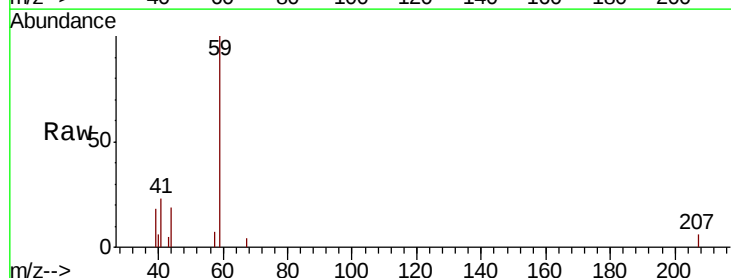
Instrument :
MSVOA_Y
ClientSampled :
8-A

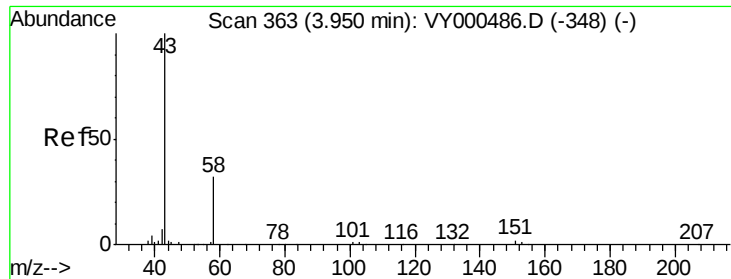
Tot Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 22.486 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY000563.D
Acq: 06 Nov 2019 19:36

Tgt Ion: 59 Resp: 5192
Ion Ratio Lower Upper
59 100
57 1.2 8.6 12.8#





#16

Acetone

Concen: 1.802 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

Instrument :

MSVOA_Y

ClientSampled :

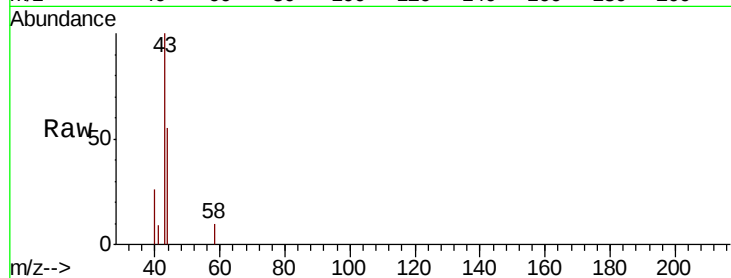
8-A

Tot Ion: 43 Resp: 1178

Ion Ratio Lower Upper

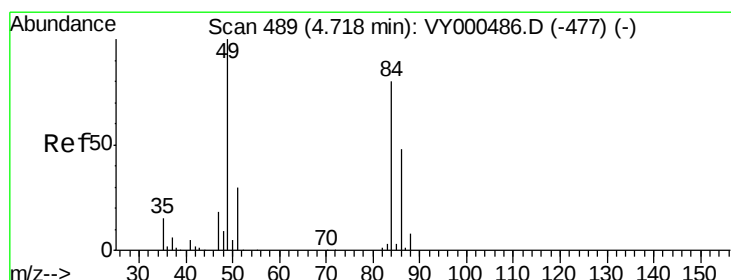
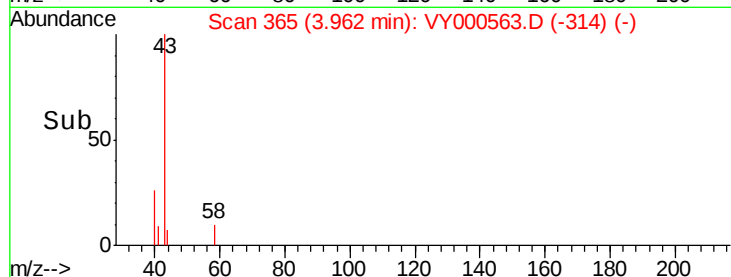
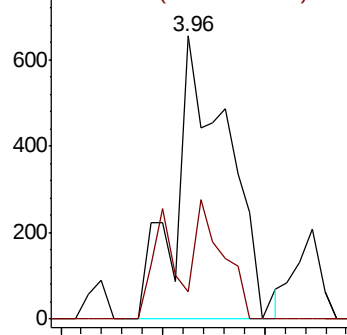
43 100

58 9.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 9.382 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

Tgt Ion: 84 Resp: 26281

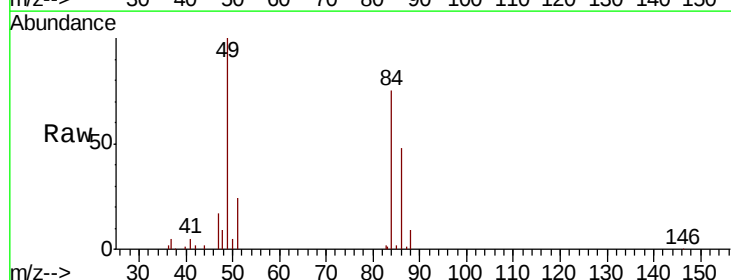
Ion Ratio Lower Upper

84 100

49 131.9 100.2 150.4

51 32.1 29.6 44.4

86 64.0 48.3 72.5

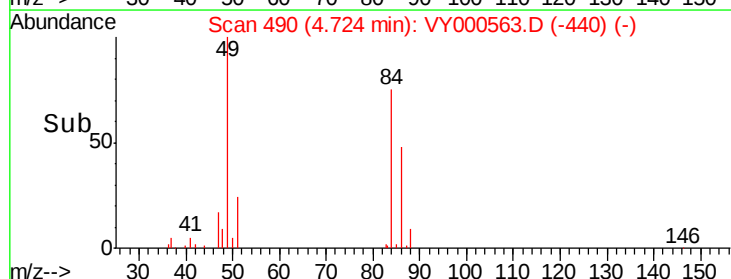
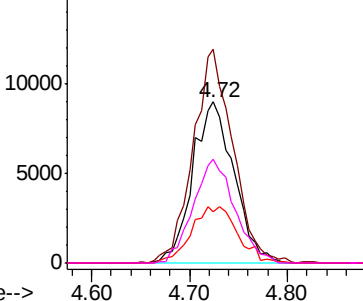


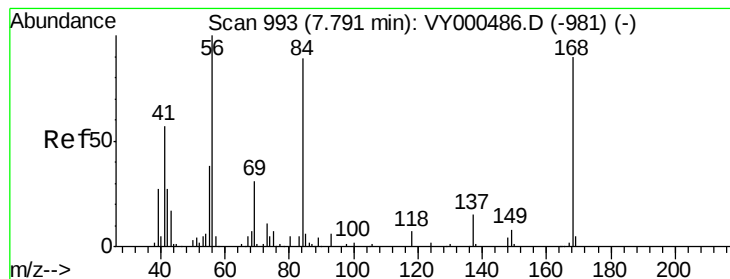
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

Instrument :

MSVOA_Y

ClientSampleId :

8-A

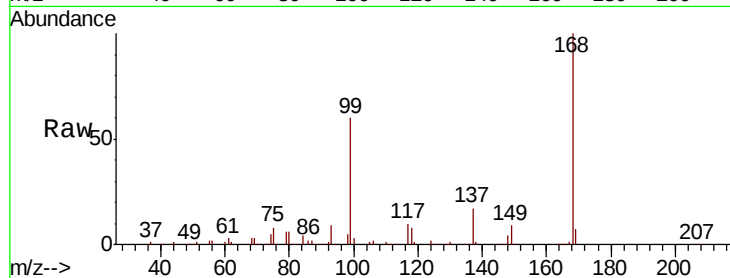
Tot Ion: 56 Resp: 5343

Ion Ratio Lower Upper

56 100

69 140.3 25.0 37.6#

84 157.1 71.4 107.2#

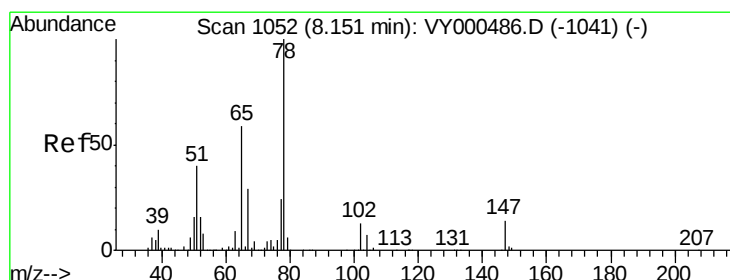
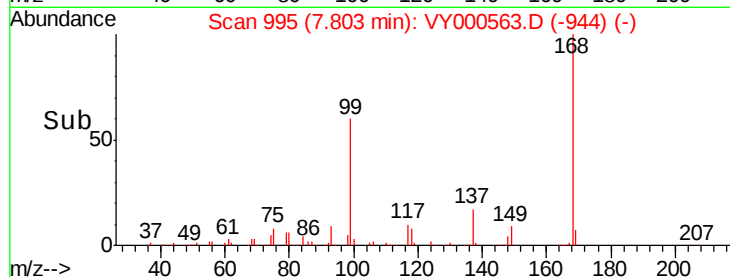
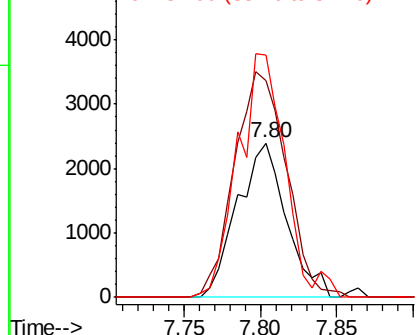


Abundance

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: 59.585 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000563.D

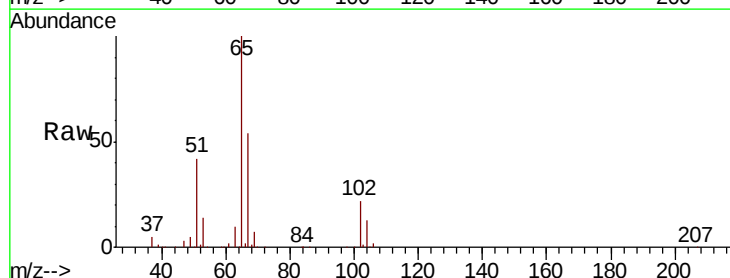
Acq: 06 Nov 2019 19:36

Tgt Ion: 65 Resp: 141335

Ion Ratio Lower Upper

65 100

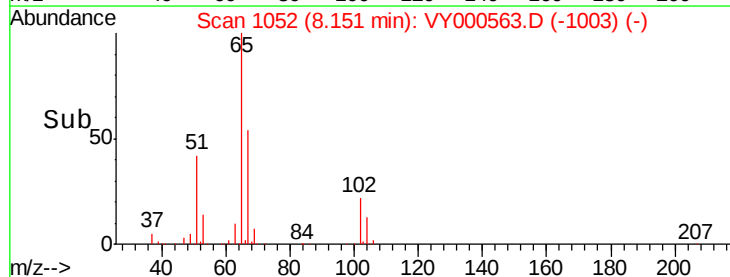
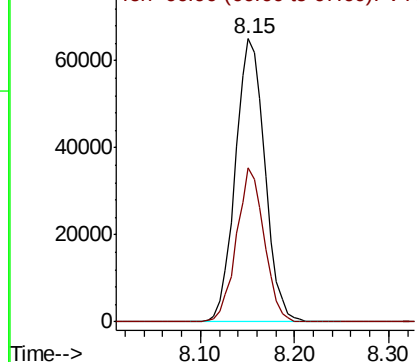
67 51.2 0.0 107.2

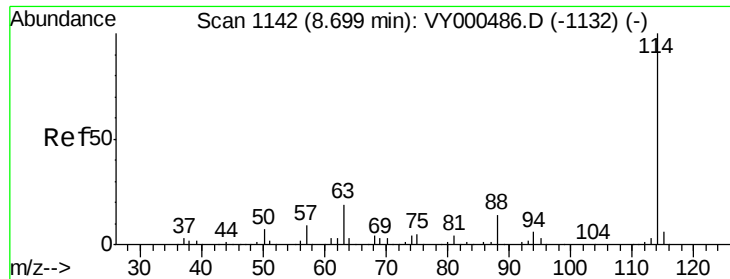


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

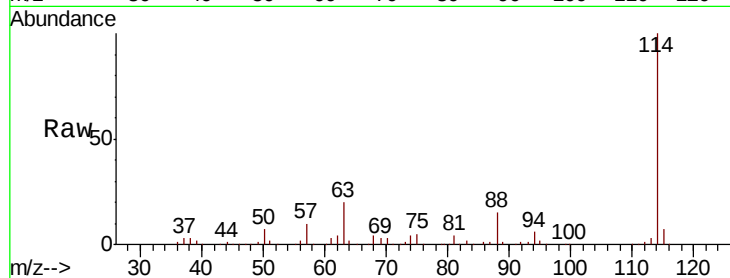




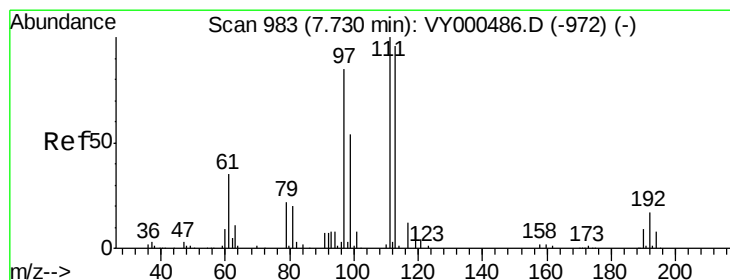
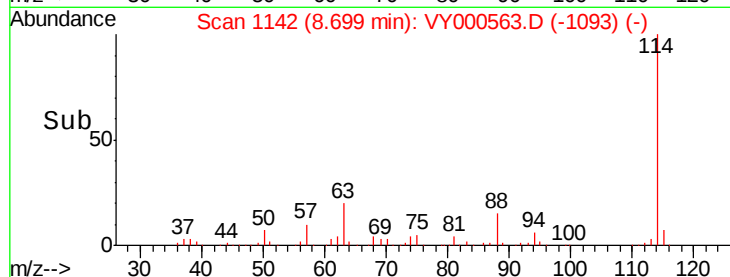
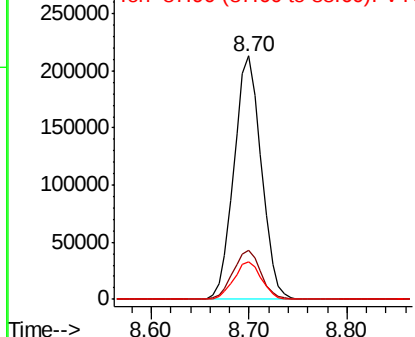
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000563.D
 Acq: 06 Nov 2019 19:36

Instrument :
 MSVOA_Y
 ClientSampled :
 8-A

Tot Ion:114 Resp: 413924
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 15.4 0.0 28.6

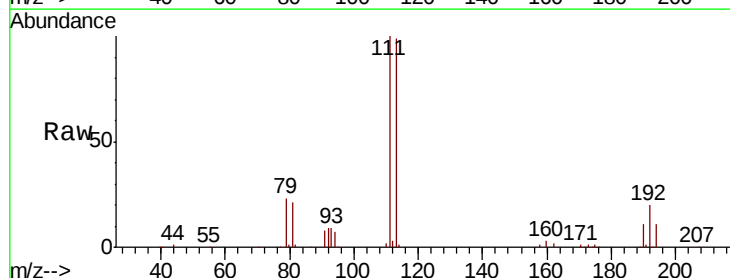


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

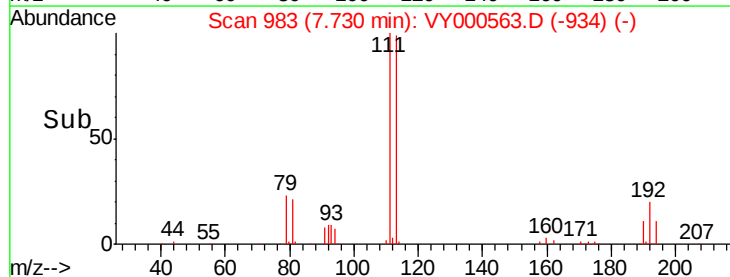
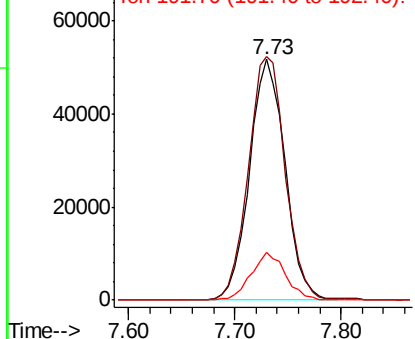


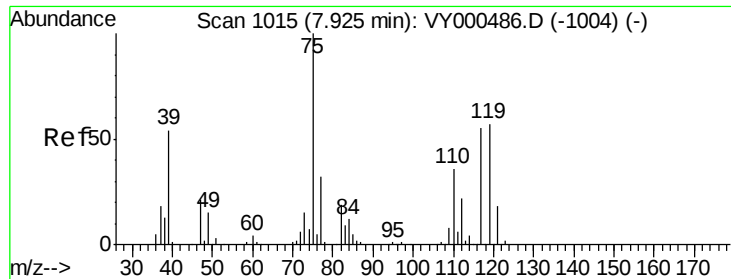
#35
 Dibromofluoromethane
 Concen: 49.953 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000563.D
 Acq: 06 Nov 2019 19:36

Tgt Ion:113 Resp: 121387
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.7 122.5
 192 19.1 15.0 22.4



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

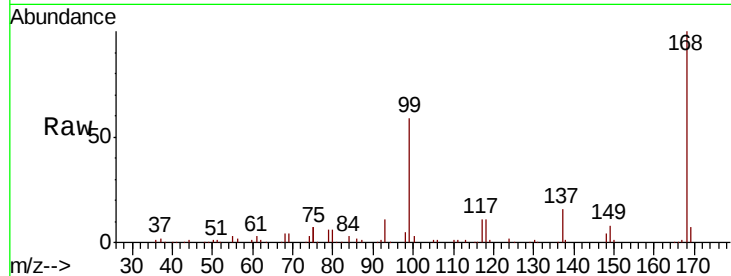




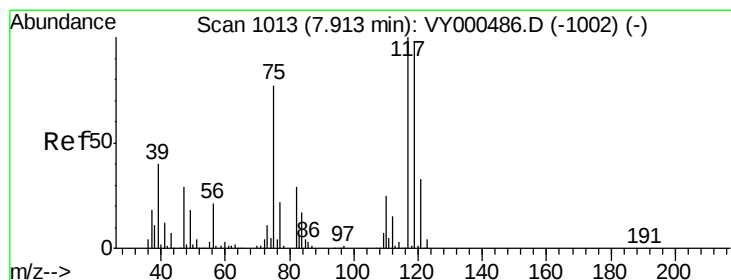
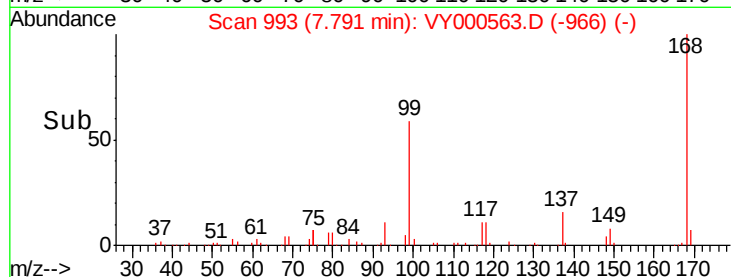
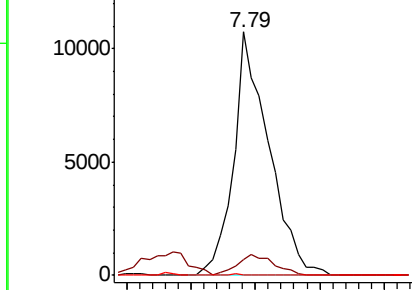
#36
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000563.D
 Acq: 06 Nov 2019 19:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 8-A

Tot Ion	75	Resp	20358
Ion Ratio	Lower	Upper	
75	100		
110	8.8	18.1	54.1#
77	0.1	25.0	37.6#

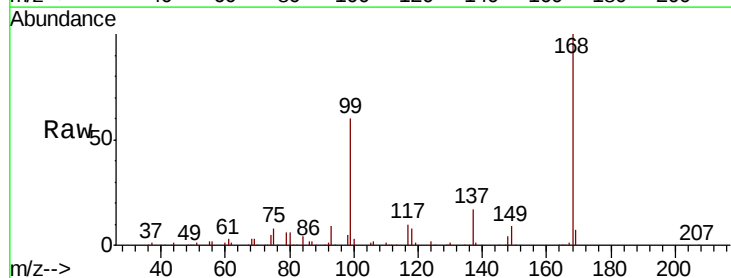


Abundance Ion 74.90 (74.60 to 75.60): VY000563.D (-966) (-)
 Ion 109.90 (109.60 to 110.60): VY000563.D (-966) (-)
 Ion 76.90 (76.60 to 77.60): VY000563.D (-966) (-)

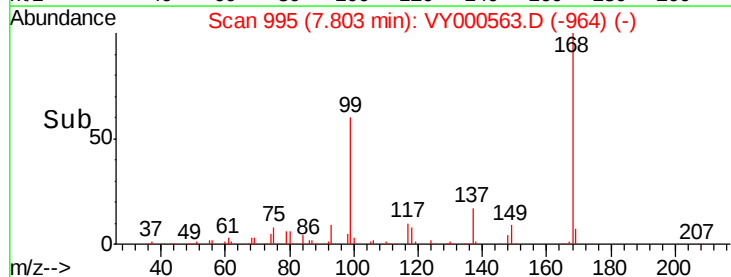
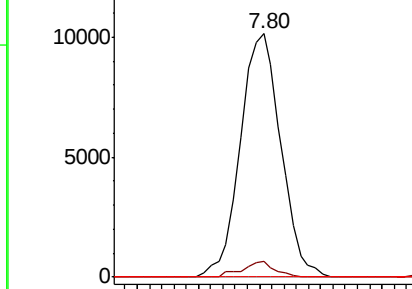


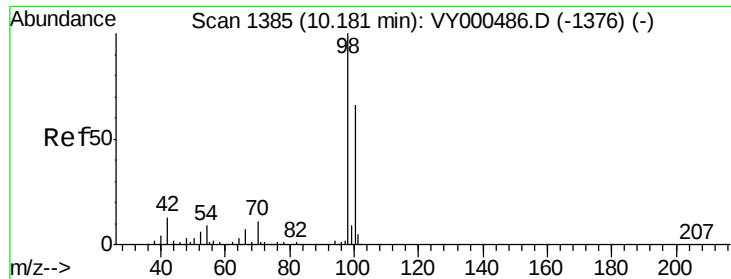
#38
 Carbon Tetrachloride
 Concen: 6.195 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000563.D
 Acq: 06 Nov 2019 19:36

Tgt Ion	117	Resp	23326
Ion Ratio	Lower	Upper	
117	100		
119	6.4	78.0	117.0#
121	0.0	26.6	40.0#



Abundance Ion 116.80 (116.50 to 117.50): VY000563.D (-964) (-)
 Ion 118.80 (118.50 to 119.50): VY000563.D (-964) (-)
 Ion 120.80 (120.50 to 121.50): VY000563.D (-964) (-)





#50

Toluene-d8

Concen: 51.735 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

Instrument :

MSVOA_Y

ClientSampleId :

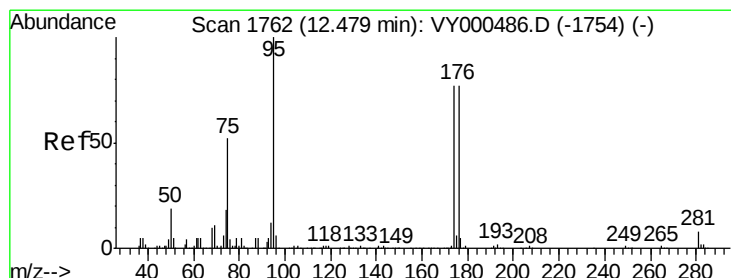
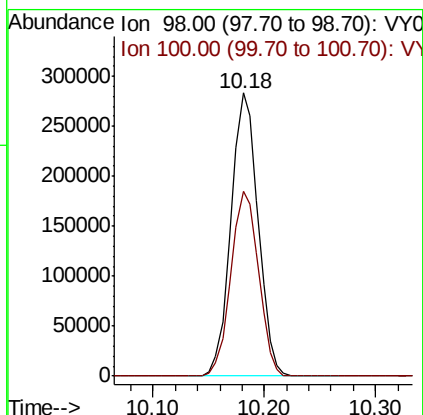
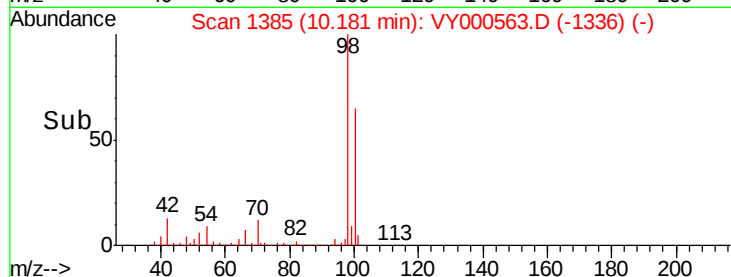
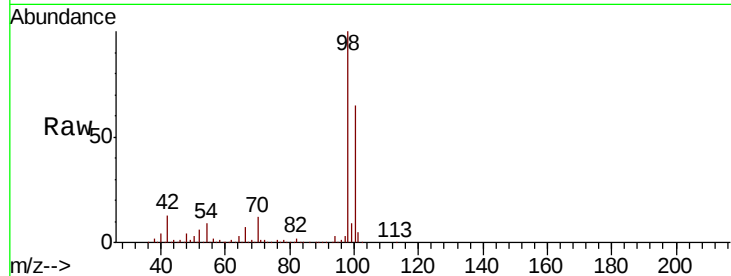
8-A

Tot Ion: 98 Resp: 477025

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 41.907 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

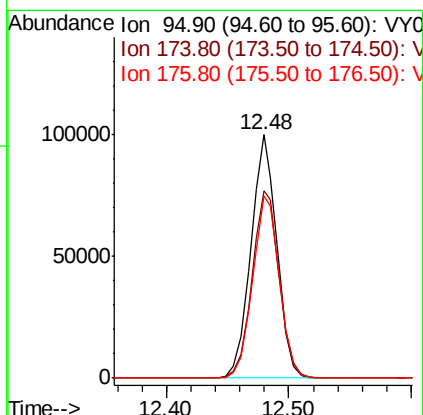
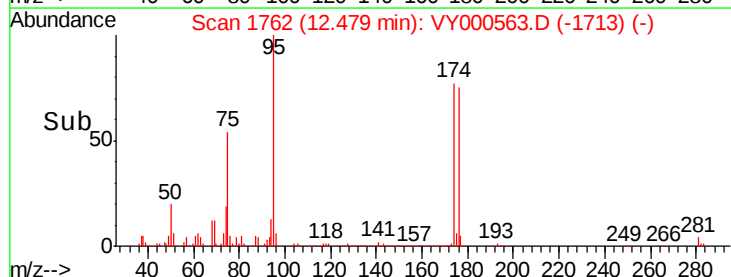
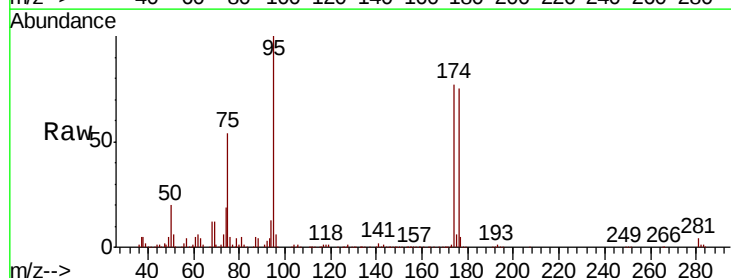
Tgt Ion: 95 Resp: 147103

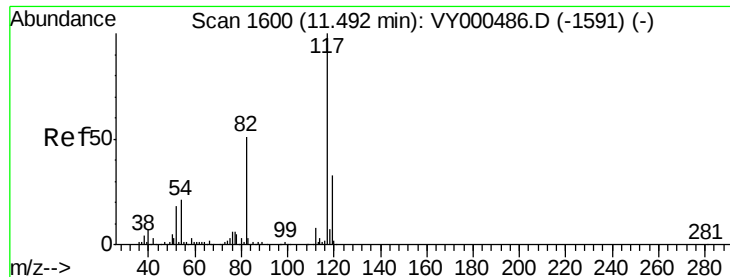
Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 77.7 0.0 157.8

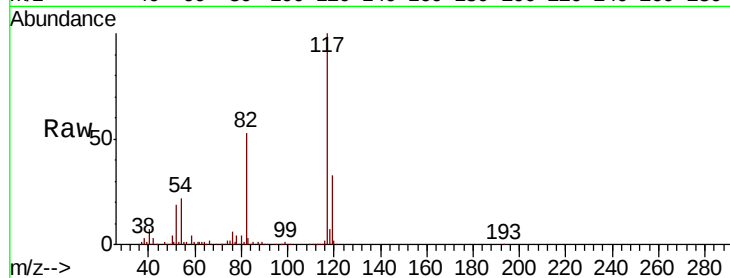




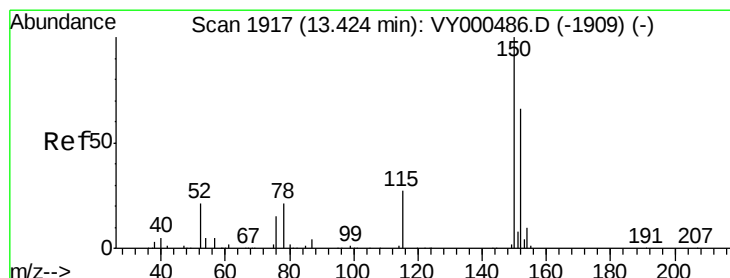
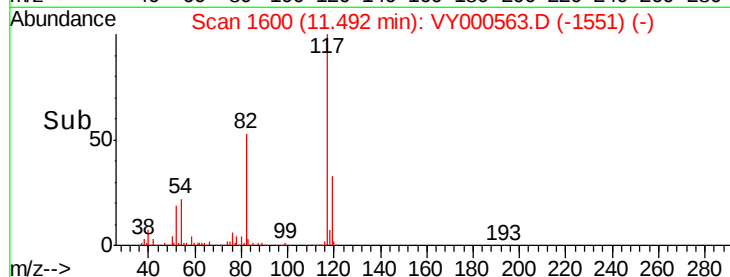
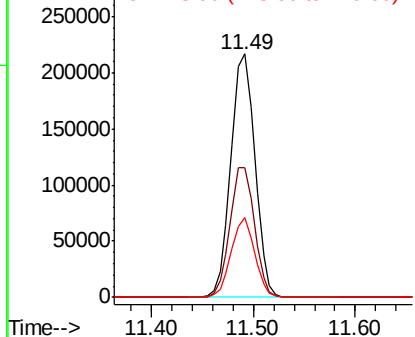
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000563.D
Acq: 06 Nov 2019 19:36

Instrument :
MSVOA_Y
ClientSampled :
8-A

Tot Ion:117 Resp: 354234
Ion Ratio Lower Upper
117 100
82 53.2 40.8 61.2
119 32.8 26.2 39.2

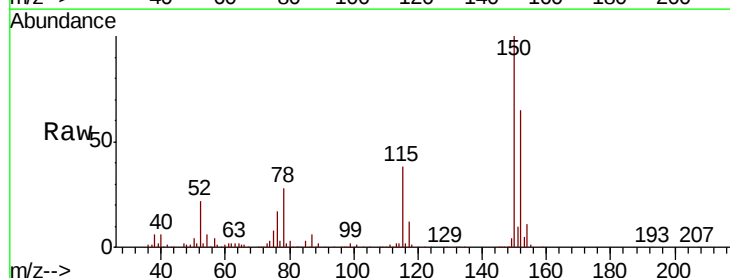


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

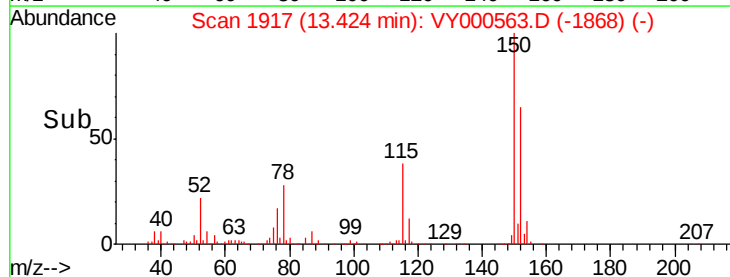
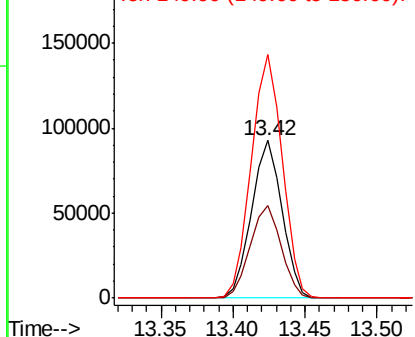


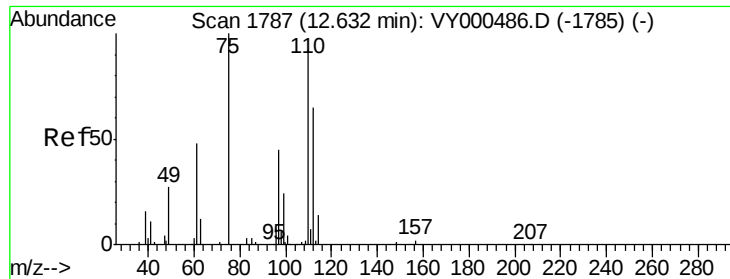
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000563.D
Acq: 06 Nov 2019 19:36

Tgt Ion:152 Resp: 135565
Ion Ratio Lower Upper
152 100
115 60.0 29.1 87.4
150 156.9 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: 52.148 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

Instrument :

MSVOA_Y

ClientSampleId :

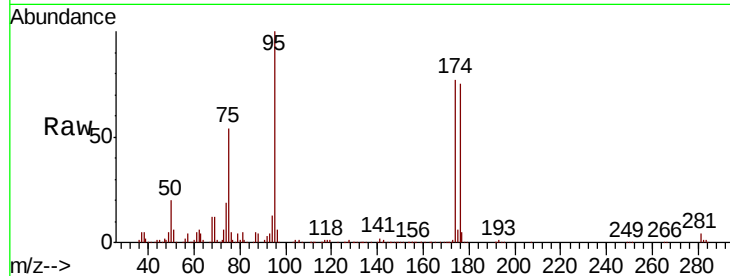
8-A

Tot Ion: 75 Resp: 80495

Ion Ratio Lower Upper

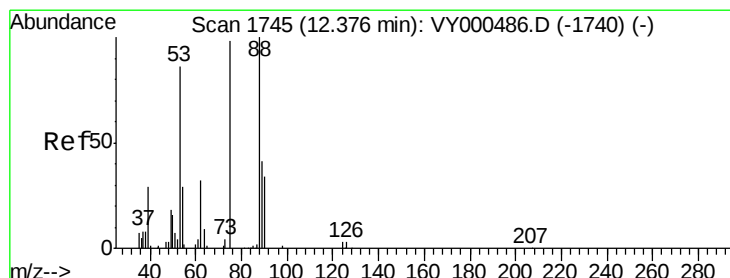
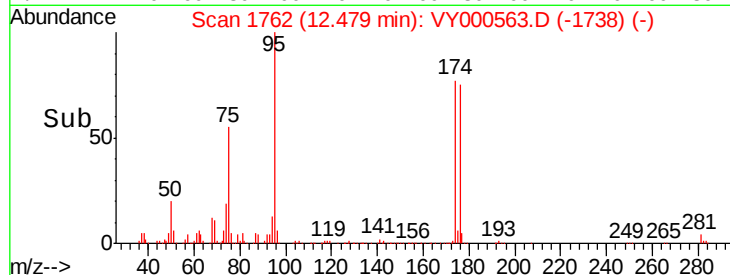
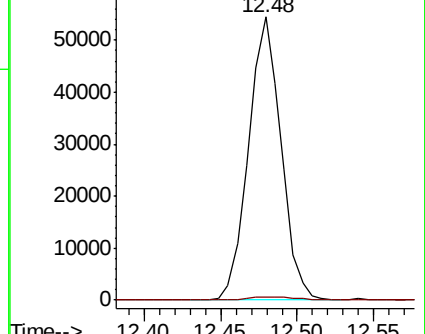
75 100

77 1.8 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: 116.922 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000563.D

Acq: 06 Nov 2019 19:36

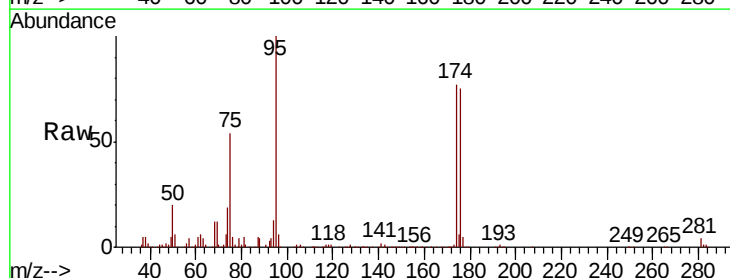
Tgt Ion: 75 Resp: 80495

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

