

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000616.D
 Acq On : 08 Nov 2019 14:50
 Operator : SY/MD
 Sample : K5722-15
 Misc : 6.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2-B

Quant Time: Nov 11 04:44:30 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	209253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	387765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	350781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149190	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	130013	60.04	ug/l	0.00
Spiked Amount			Recovery	=	120.08%	
35) Dibromofluoromethane	7.74	113	117260	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	10.18	98	458141	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.48	95	153899	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

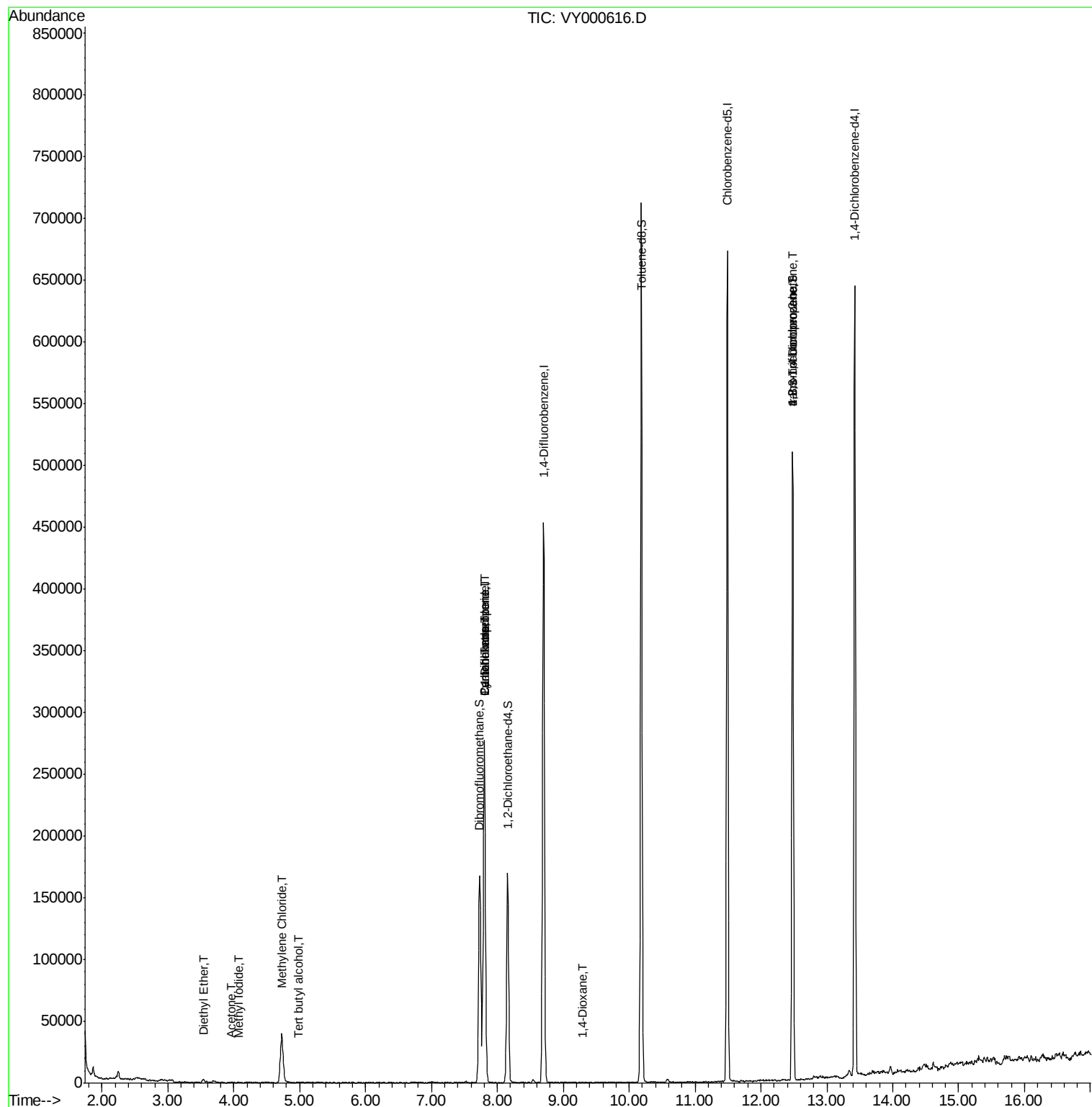
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	1885	1.491	ug/l	89
10) Methyl Iodide	4.08	142	29	3.209	ug/l #	41
11) Tert butyl alcohol	4.98	59	302	1.433	ug/l #	72
16) Acetone	3.96	43	867	1.453	ug/l #	42
20) Methylene Chloride	4.72	84	28807	11.264	ug/l	92
31) Cyclohexane	7.81	56	5203	1.241	ug/l #	45
36) 1,1-Dichloropropene	7.80	75	16286	4.443	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21767	6.171	ug/l #	14
49) 1,4-Dioxane	9.30	88	49	2.503	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	83338	49.059	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83338	109.997	ug/l #	13

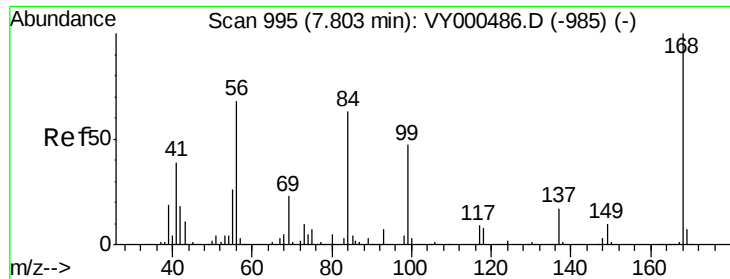
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
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: VY000616.D

Acq: 08 Nov 2019 14:50

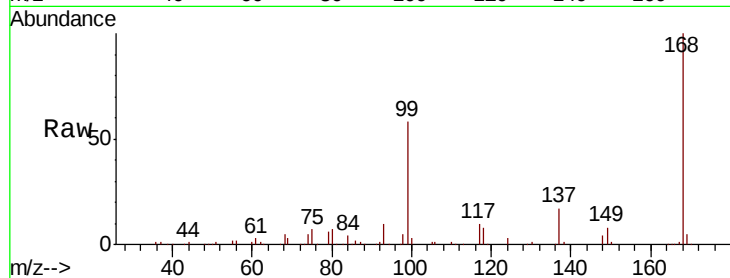
Instrument :
MSVOA_Y
ClientSampled :
2-B

Tot Ion:168 Resp: 209253

Ion Ratio Lower Upper

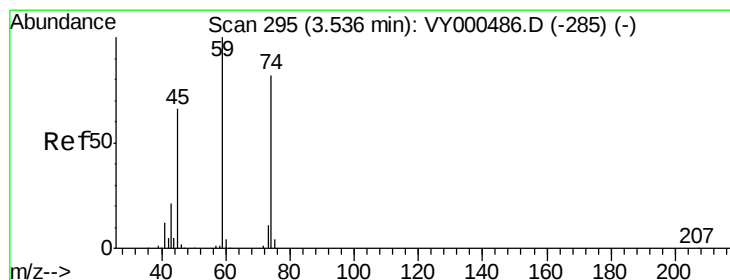
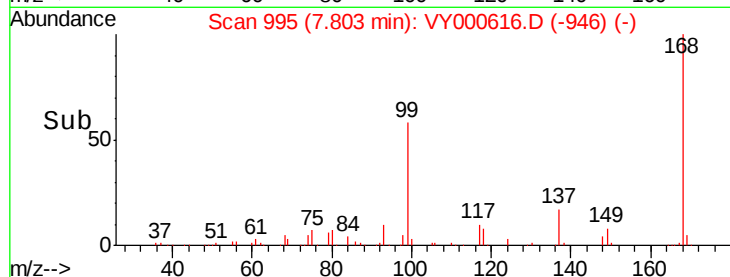
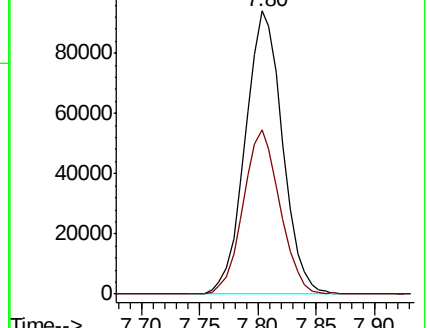
168 100

99 57.9 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) (-)



#8

Diethyl Ether

Concen: 1.491 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000616.D

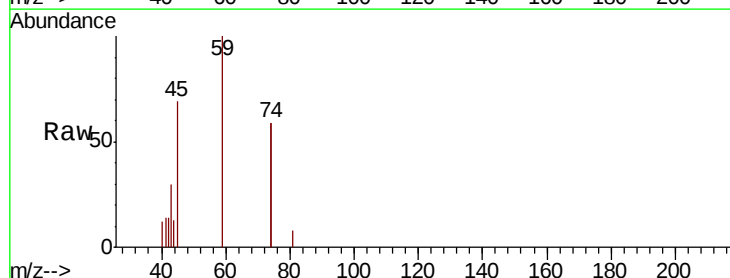
Acq: 08 Nov 2019 14:50

Tgt Ion: 74 Resp: 1885

Ion Ratio Lower Upper

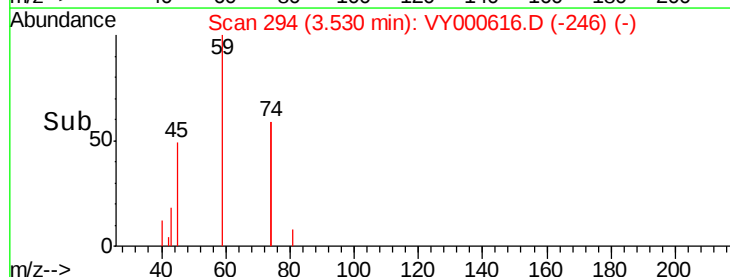
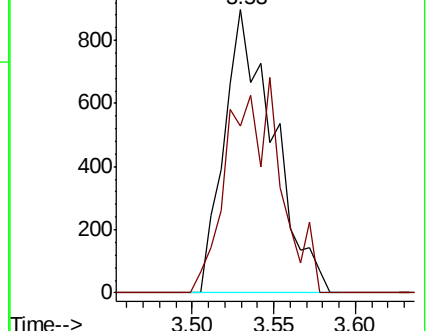
74 100

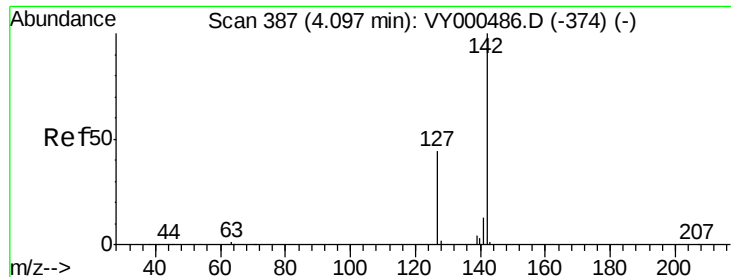
45 80.5 45.5 136.4



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

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

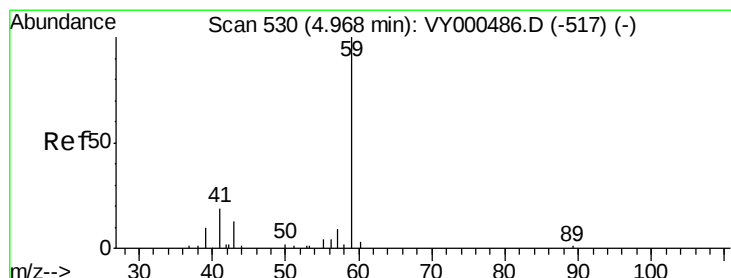
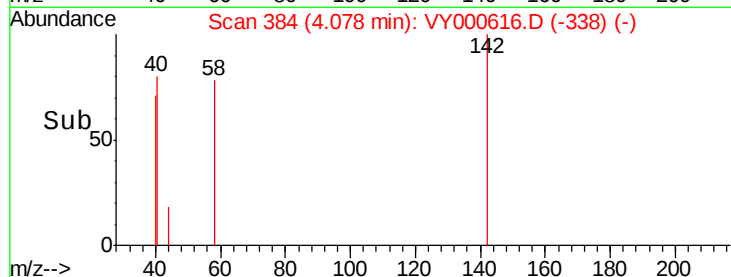
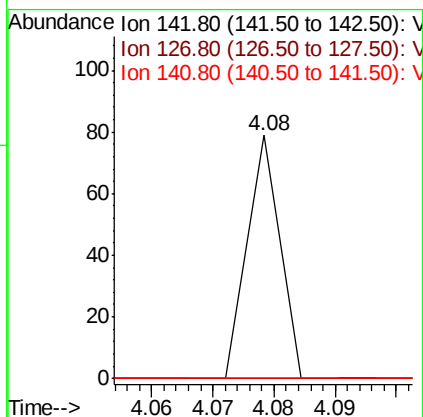
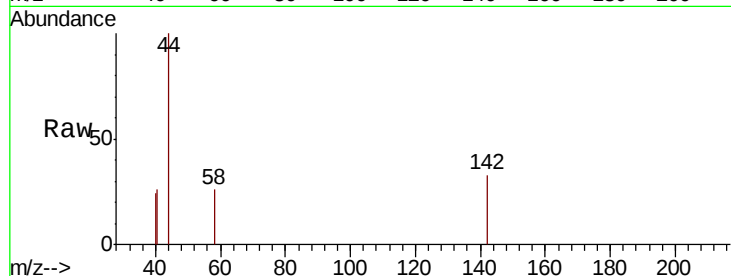




#10
Methvl Iodide
Concen: 3.209 ug/l
RT: 4.08 min Scan# 384
Delta R.T. -0.02 min
Lab File: VY000616.D
Acq: 08 Nov 2019 14:50

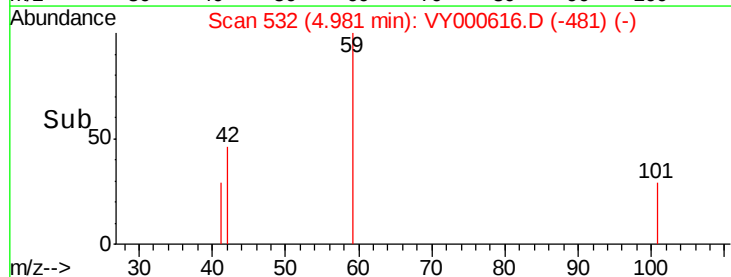
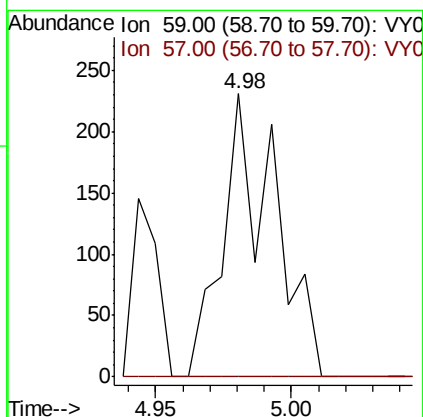
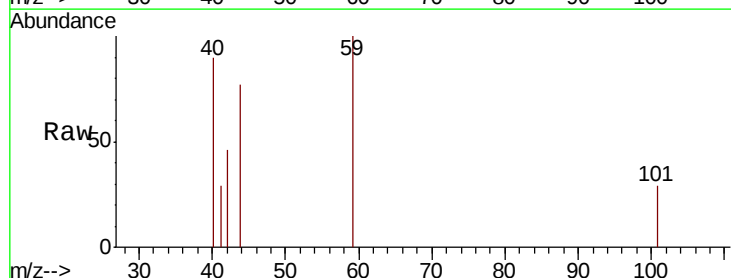
Instrument :
MSVOA_Y
ClientSampled :
2-B

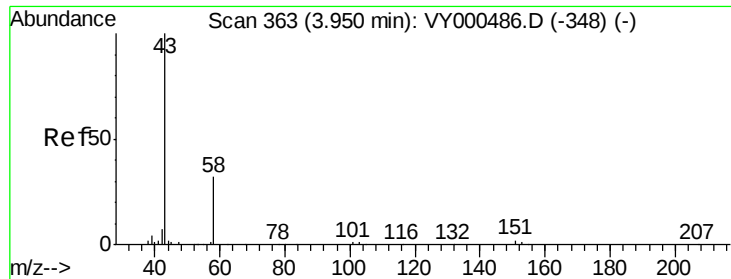
Tot Ion:142 Resp: 29
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 1.433 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000616.D
Acq: 08 Nov 2019 14:50

Tgt Ion: 59 Resp: 302
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 1.453 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

Instrument :

MSVOA_Y

ClientSampleId :

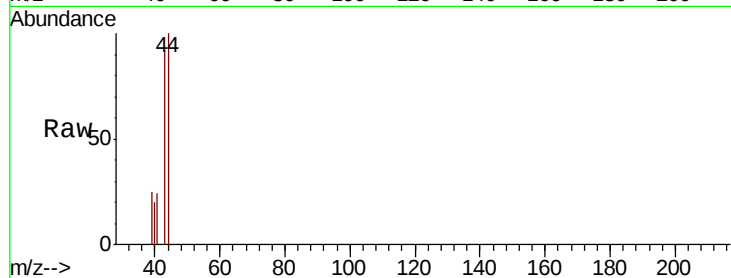
2-B

Tot Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

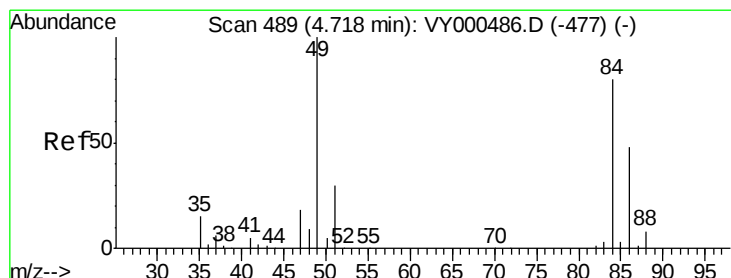
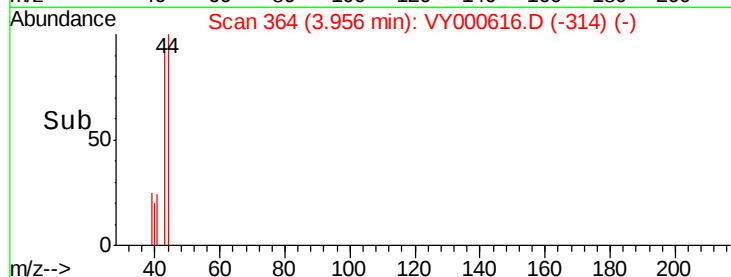
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 11.264 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

Tgt Ion: 84 Resp: 28807

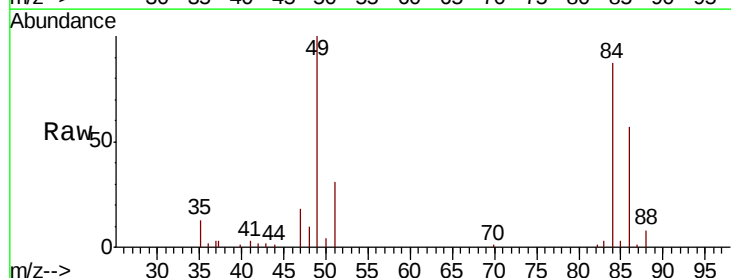
Ion Ratio Lower Upper

84 100

49 114.4 100.2 150.4

51 35.1 29.6 44.4

86 65.7 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

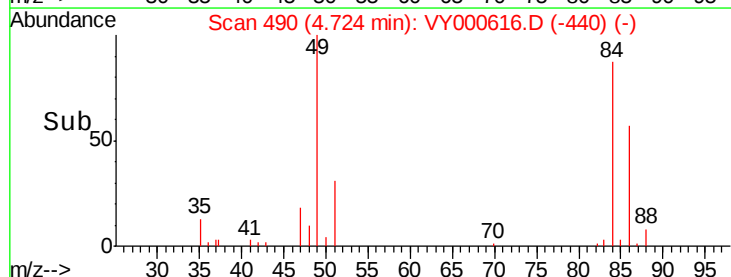
15000

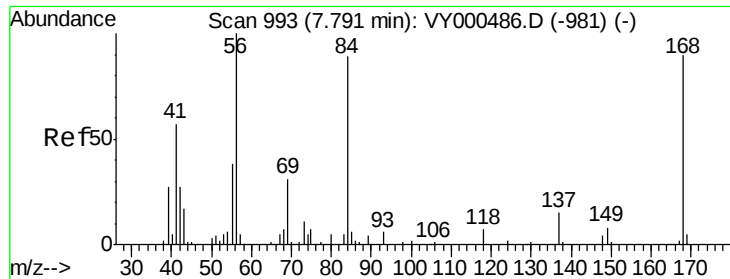
10000

5000

0

Time-->

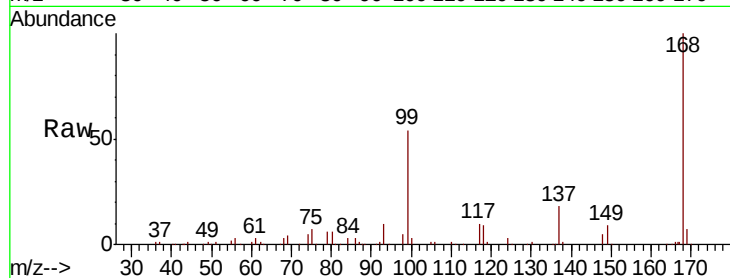




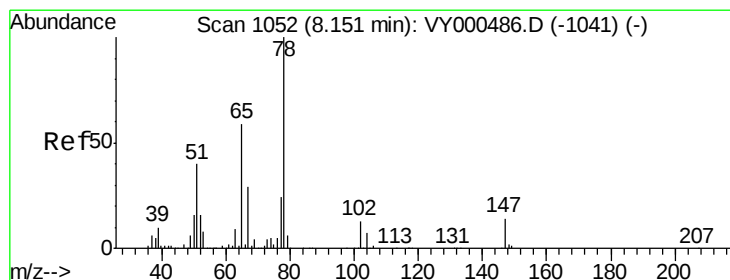
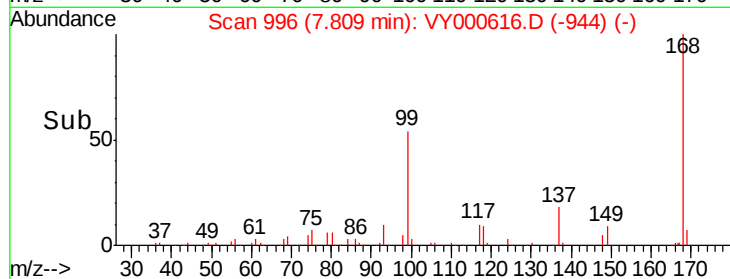
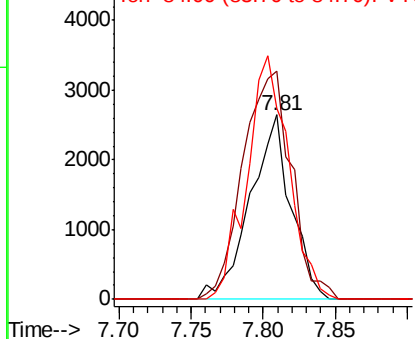
#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.02 min
Lab File: VY000616.D
Acq: 08 Nov 2019 14:50

Instrument :
MSVOA_Y
ClientSampled :
2-B

Tot Ion: 56 Resp: 5203
Ion Ratio Lower Upper
56 100
69 124.0 25.0 37.6#
84 103.9 71.4 107.2

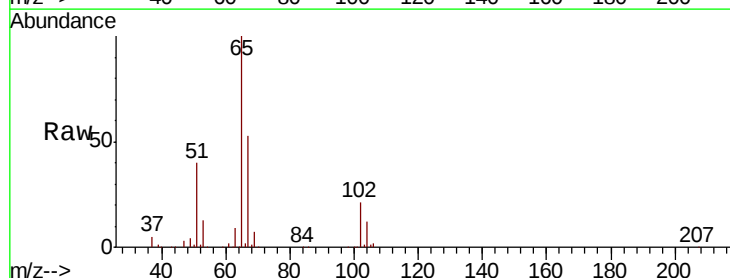


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

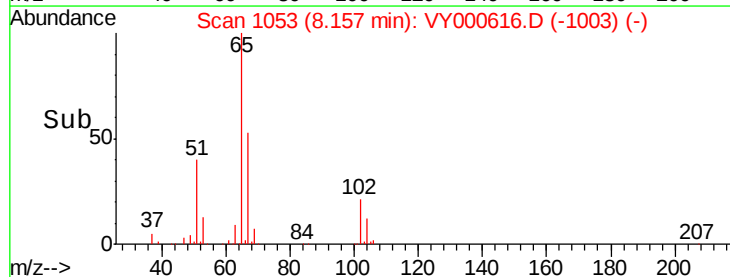
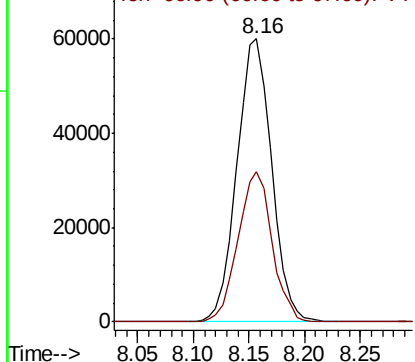


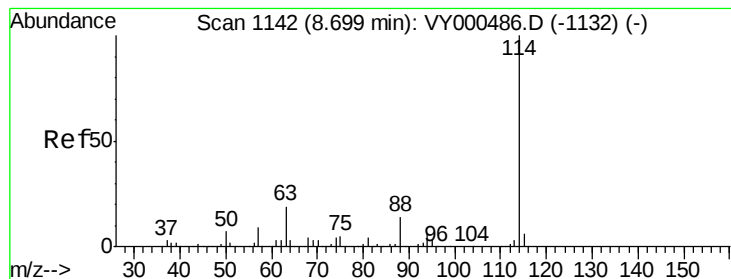
#33
1,2-Dichloroethane-d4
Concen: 60.038 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000616.D
Acq: 08 Nov 2019 14:50

Tgt Ion: 65 Resp: 130013
Ion Ratio Lower Upper
65 100
67 52.3 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: VY000616.D

Acq: 08 Nov 2019 14:50

Instrument :
MSVOA_Y
ClientSampled :
2-B

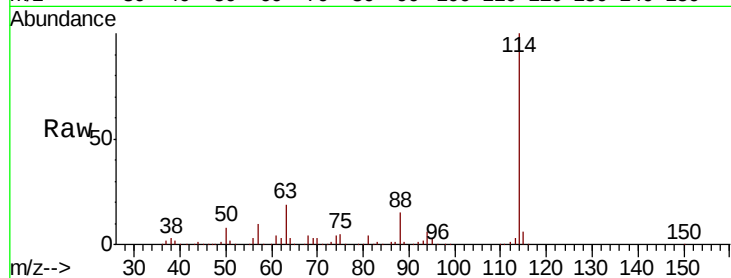
Tot Ion:114 Resp: 387765

Ion Ratio Lower Upper

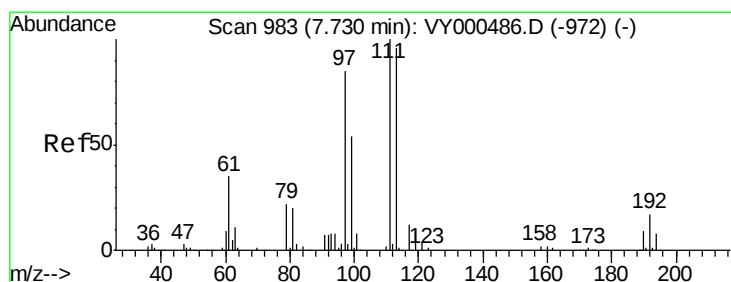
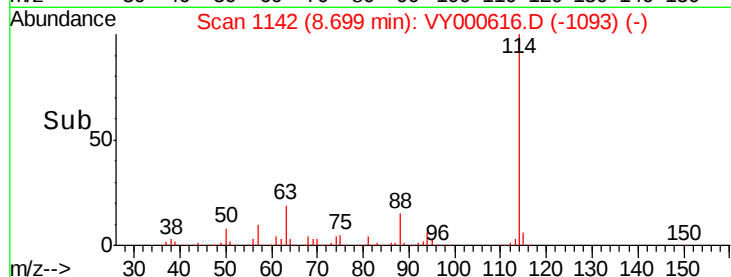
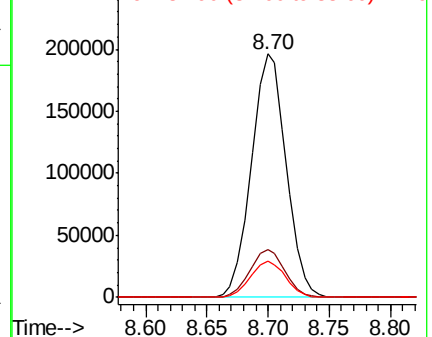
114 100

63 19.4 0.0 38.0

88 14.9 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: 51.510 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

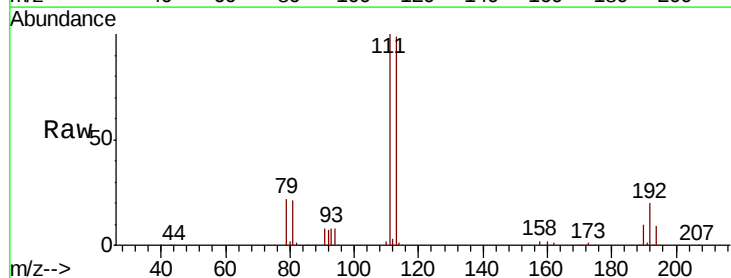
Tgt Ion:113 Resp: 117260

Ion Ratio Lower Upper

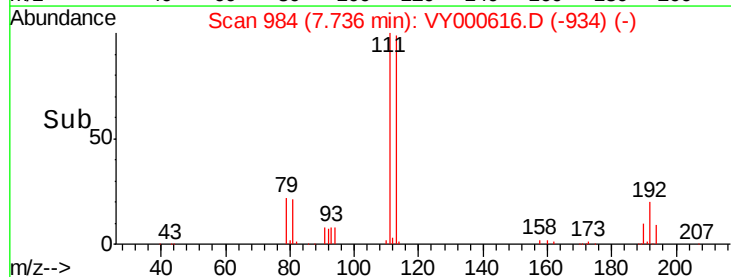
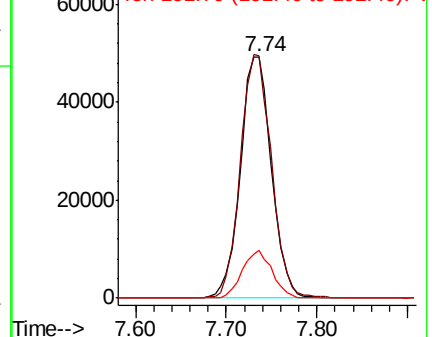
113 100

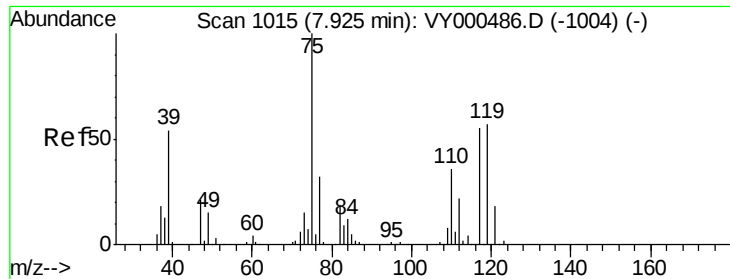
111 100.9 81.7 122.5

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

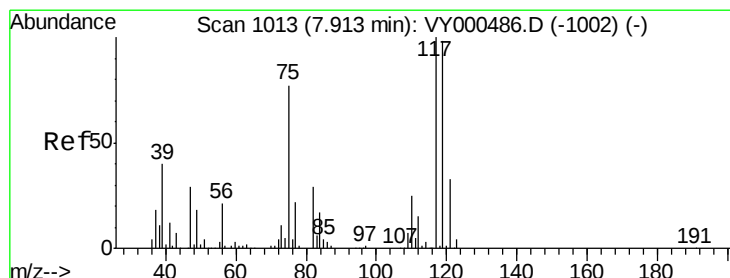
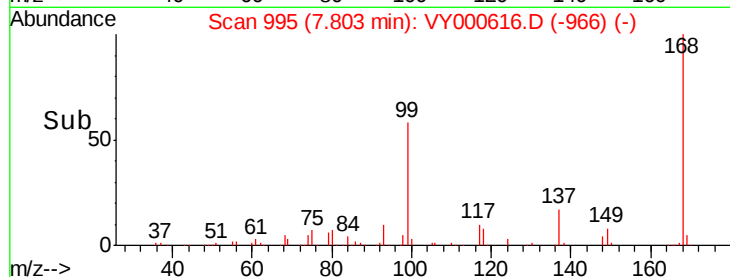
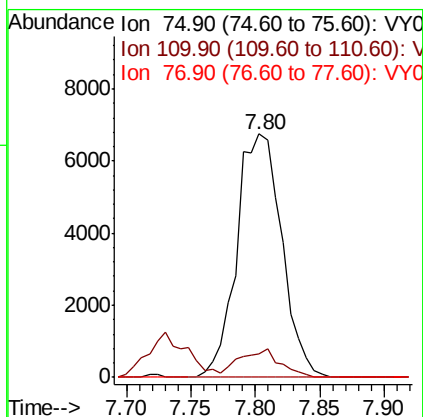
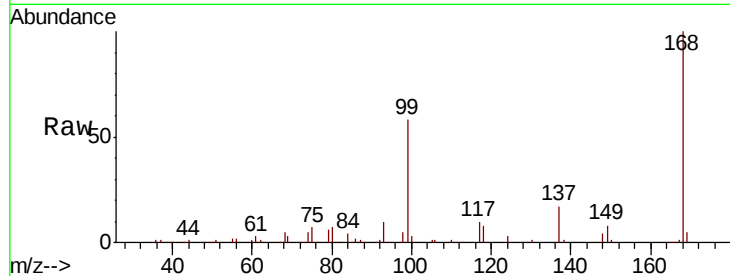




#36
 1,1-Dichloropropene
 Concen: 4.443 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000616.D
 Acq: 08 Nov 2019 14:50

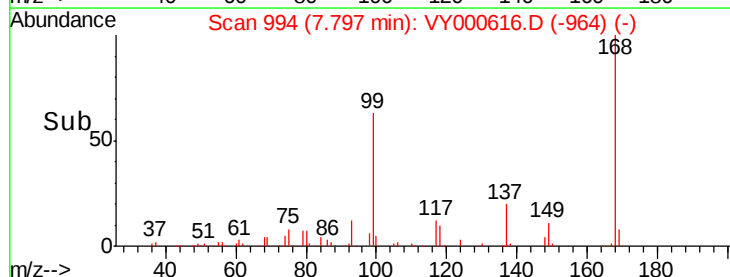
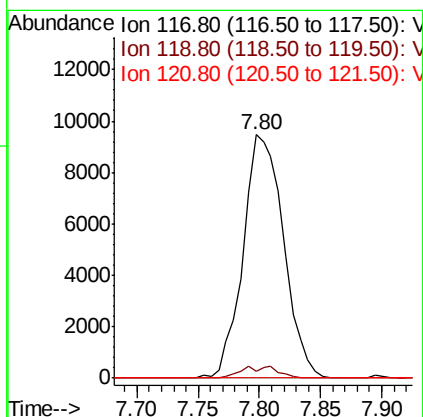
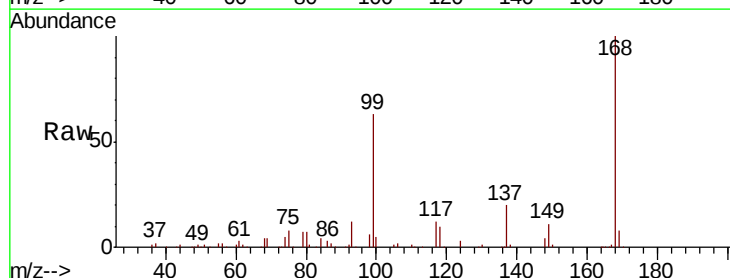
Instrument :
 MSVOA_Y
 ClientSampled :
 2-B

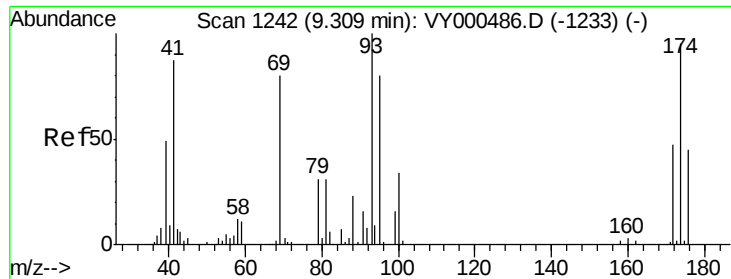
Tot Ion: 75 Resp: 16286
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.171 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000616.D
 Acq: 08 Nov 2019 14:50

Tgt Ion: 117 Resp: 21767
 Ion Ratio Lower Upper
 117 100
 119 3.1 78.0 117.0#
 121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 2.503 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

Instrument :

MSVOA_Y

ClientSampleId :

2-B

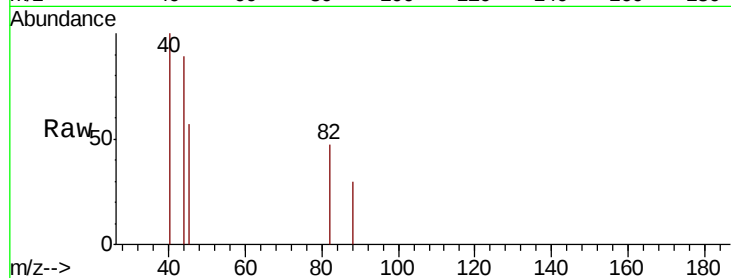
Tot Ion: 88 Resp: 49

Ion Ratio Lower Upper

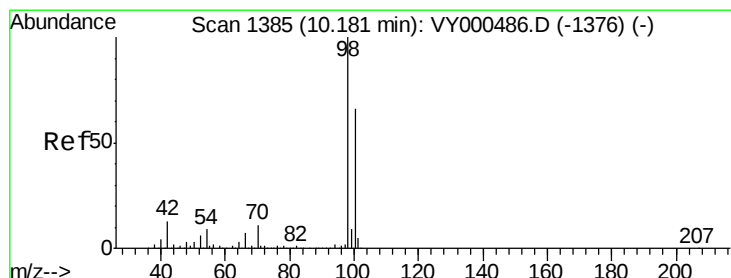
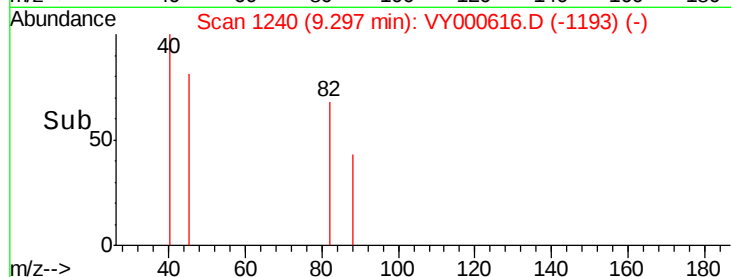
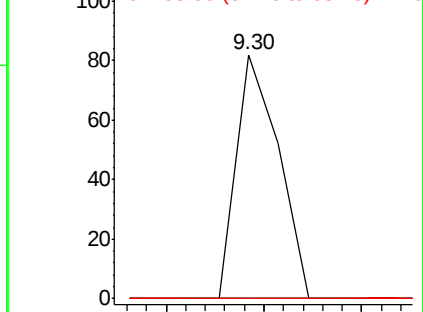
88 100

43 0.0 25.1 37.7#

58 0.0 50.6 75.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 53.039 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000616.D

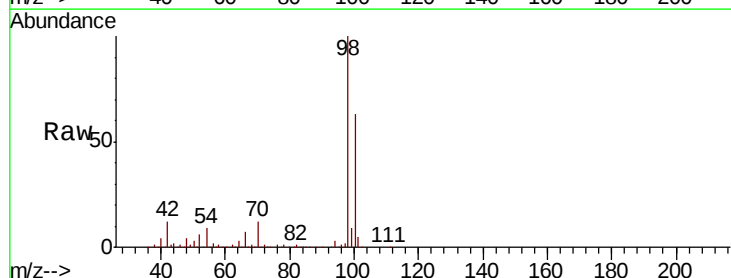
Acq: 08 Nov 2019 14:50

Tgt Ion: 98 Resp: 458141

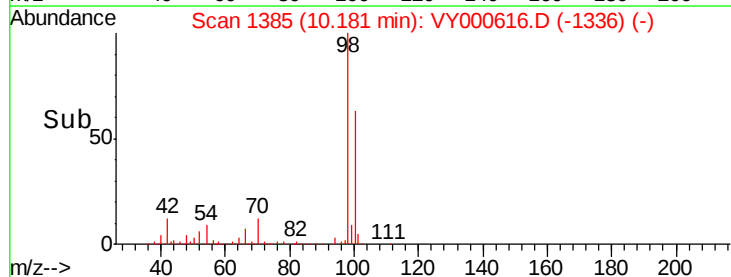
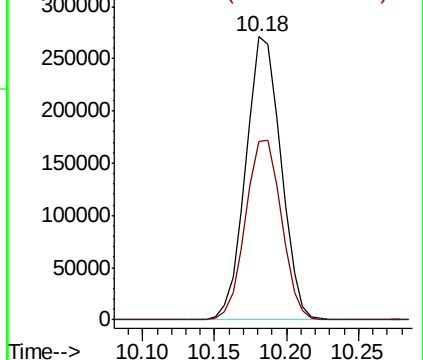
Ion Ratio Lower Upper

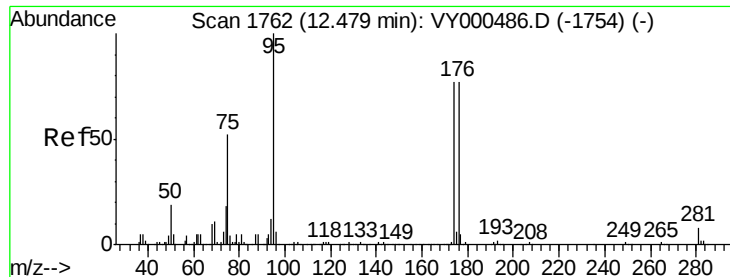
98 100

100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 46.801 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

Instrument :

MSVOA_Y

ClientSampleId :

2-B

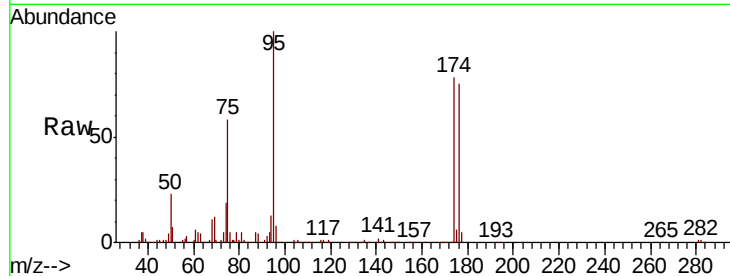
Tot Ion: 95 Resp: 153899

Ion Ratio Lower Upper

95 100

174 78.4 0.0 161.6

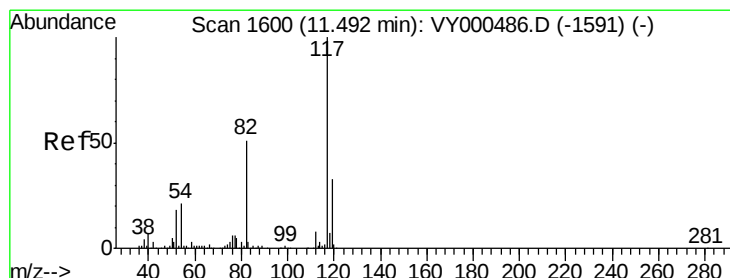
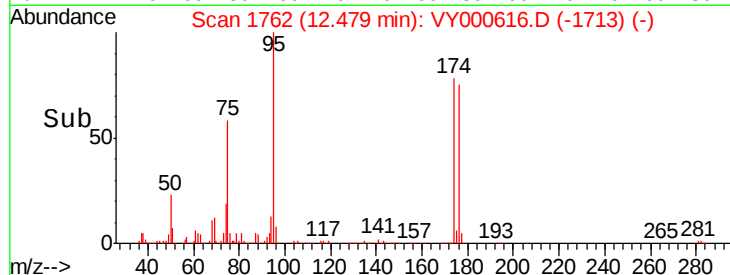
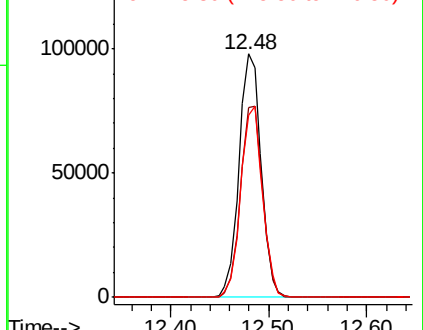
176 76.9 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000616.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000616.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000616.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

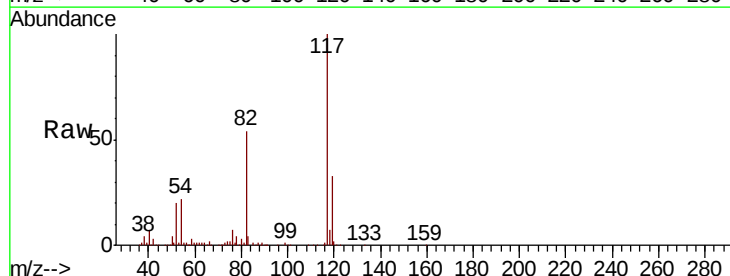
Tgt Ion: 117 Resp: 350781

Ion Ratio Lower Upper

117 100

82 54.2 40.8 61.2

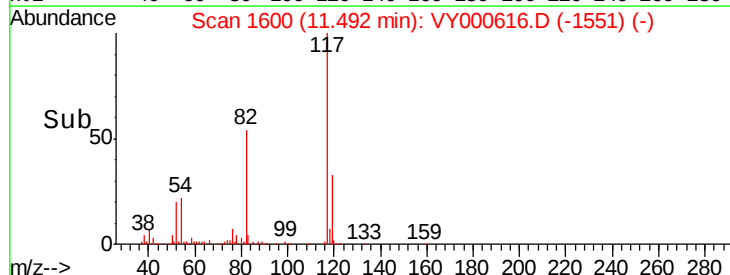
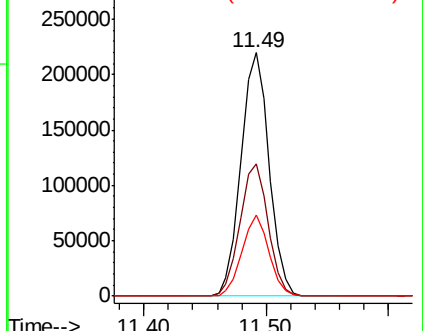
119 33.0 26.2 39.2

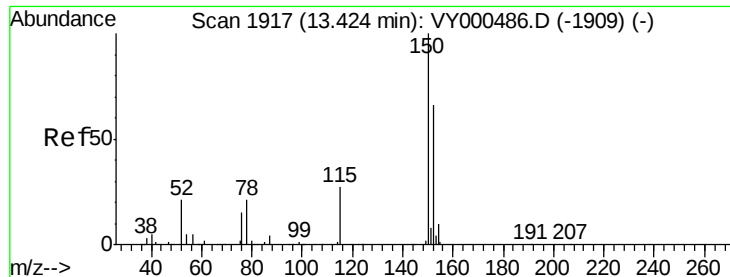


Abundance Ion 116.90 (116.60 to 117.60): VY000616.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000616.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000616.D (-1591) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

Instrument :

MSVOA_Y

ClientSampleId :

2-B

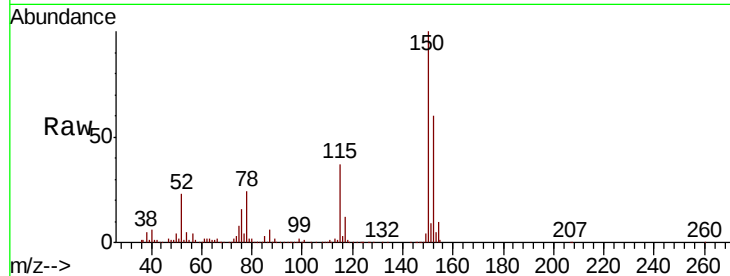
Tot Ion:152 Resp: 149190

Ion Ratio Lower Upper

152 100

115 59.7 29.1 87.4

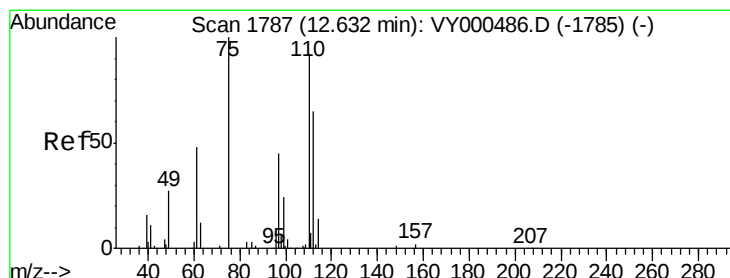
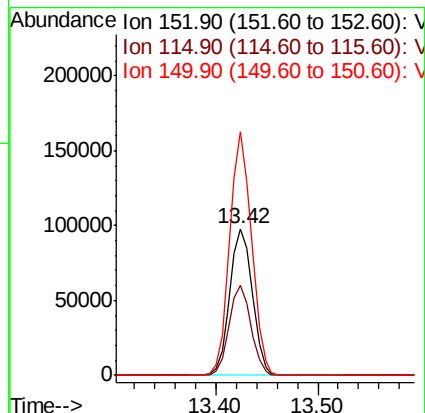
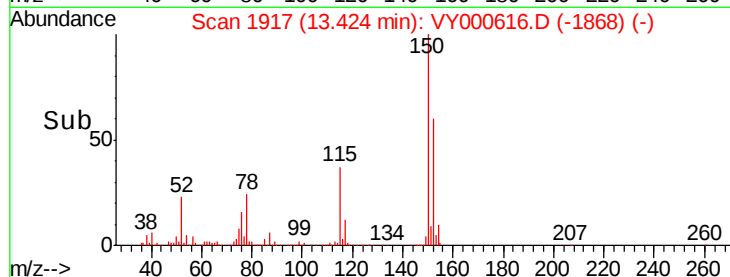
150 161.1 0.0 348.8



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: 49.059 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000616.D

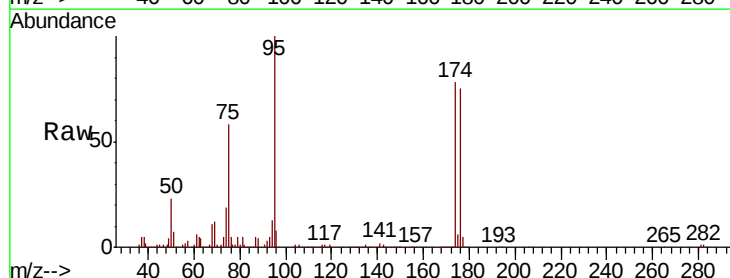
Acq: 08 Nov 2019 14:50

Tgt Ion: 75 Resp: 83338

Ion Ratio Lower Upper

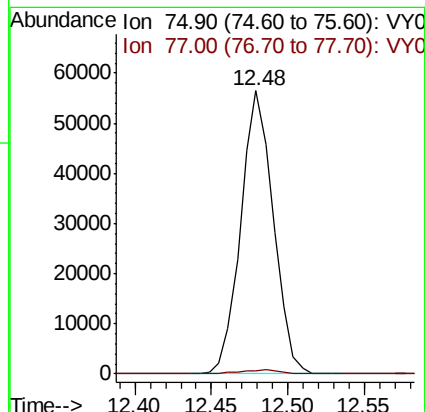
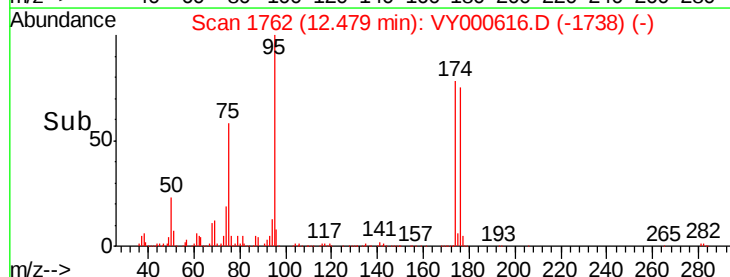
75 100

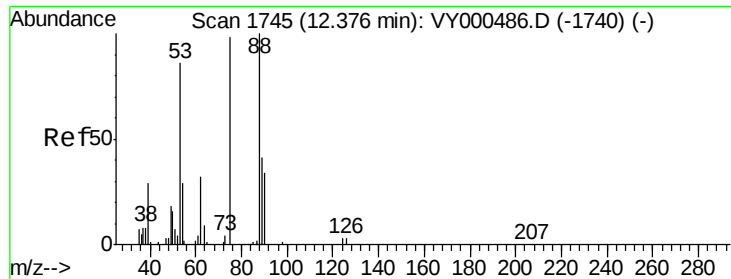
77 1.6 0.0 0.0#



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: 109.997 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000616.D

Acq: 08 Nov 2019 14:50

Instrument :

MSVOA_Y

ClientSampleId :

2-B

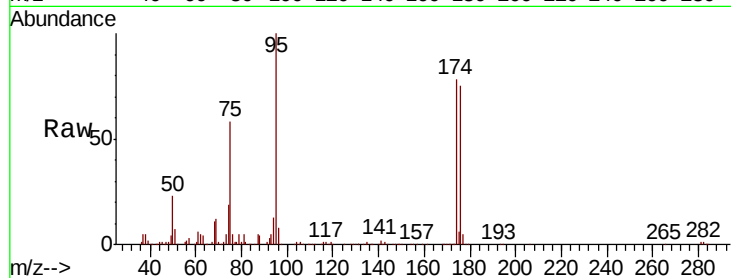
Tot Ion: 75 Resp: 83338

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

89 0.1 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

