

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001664.D
 Acq On : 18 Feb 2020 11:12
 Operator : SY/MD
 Sample : VY0218SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBL01

Quant Time: Feb 19 06:44:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	162982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	299738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	114380	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	92148	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.74	113	86324	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.19	98	357245	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.49	95	117874	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

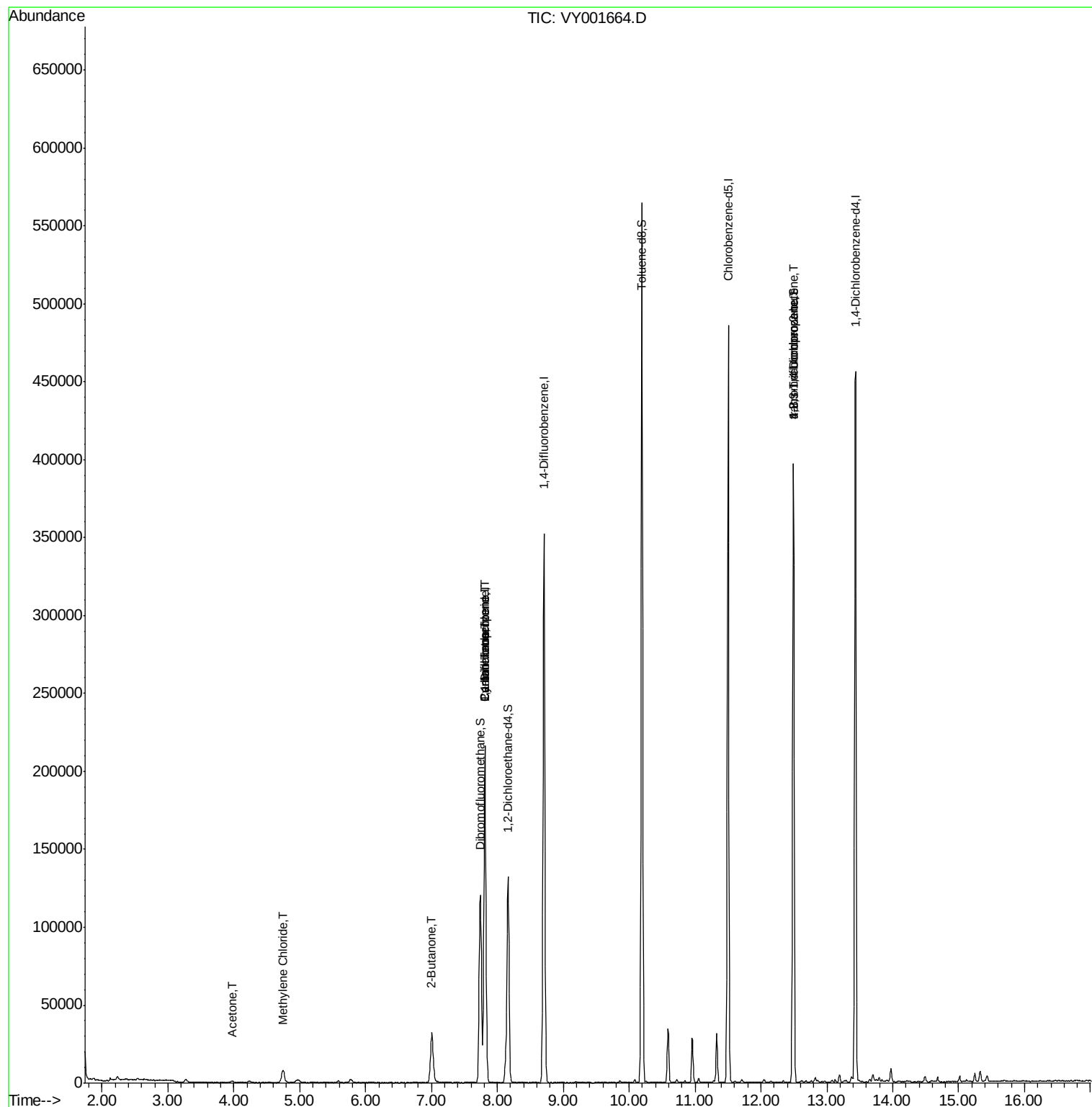
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	2001	Below Cal	#	74
16) Acetone	3.98	43	1765	2.910	ug/l #	76
20) Methylene Chloride	4.74	84	5699	2.645	ug/l #	83
25) 2-Butanone	7.01	43	1925	2.336	ug/l #	78
31) Cyclohexane	7.81	56	3805	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13343	4.660	ug/l #	50
38) Carbon Tetrachloride	7.81	117	16070	6.390	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	61343	46.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61343	88.697	ug/l #	17

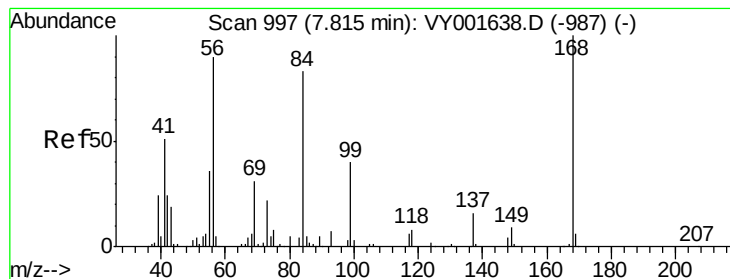
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
Data File : VY001664.D
Acq On : 18 Feb 2020 11:12
Operator : SY/MD
Sample : VY0218SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBL01

Quant Time: Feb 19 06:44:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

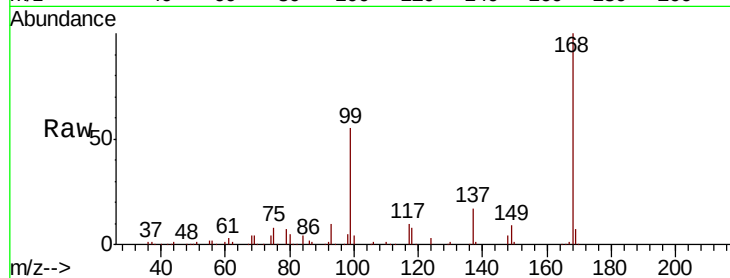
VY0218SBL01

Tot Ion:168 Resp: 162982

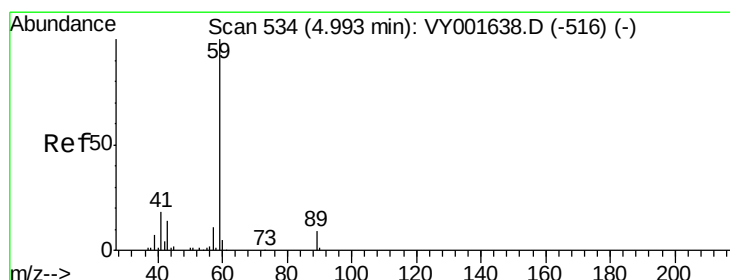
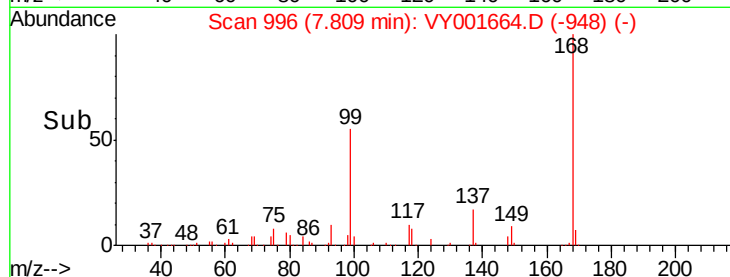
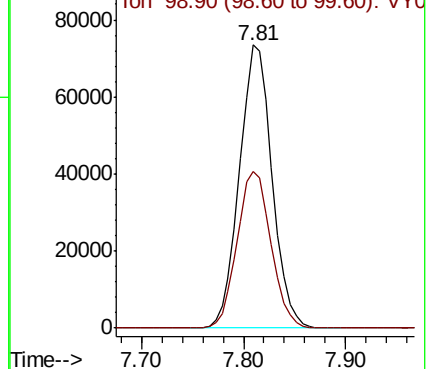
Ion Ratio Lower Upper

168 100

99 55.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001664.D

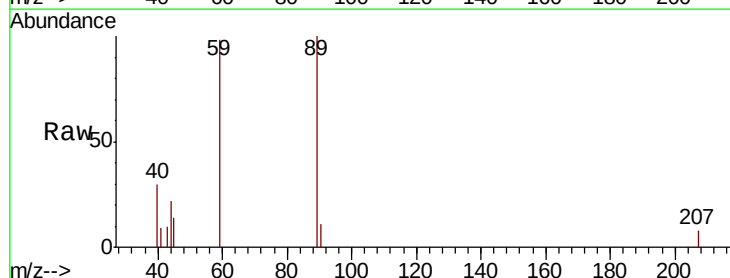
Acq: 18 Feb 2020 11:12

Tgt Ion: 59 Resp: 2001

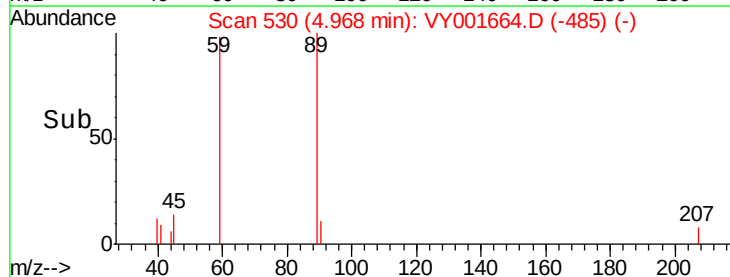
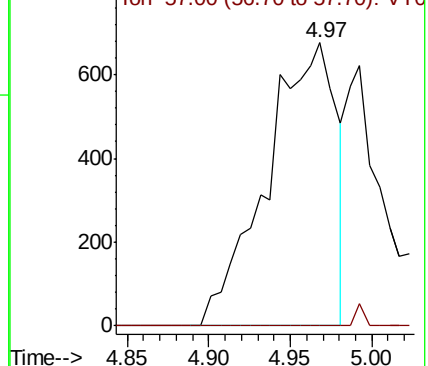
Ion Ratio Lower Upper

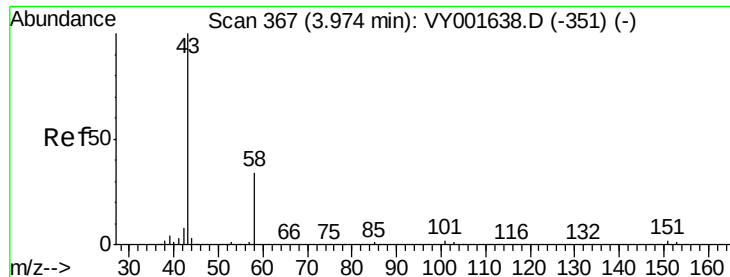
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)





#16

Acetone

Concen: 2.910 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

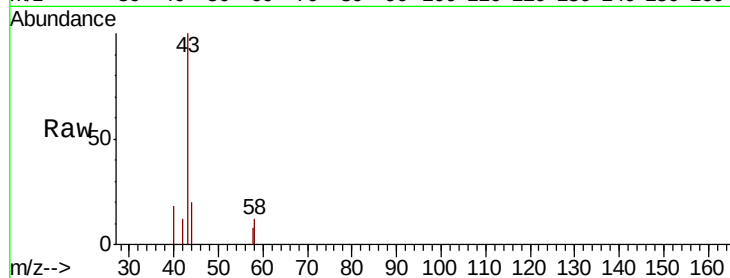
VY0218SBL01

Tot Ion: 43 Resp: 1765

Ion Ratio Lower Upper

43 100

58 20.2 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

800

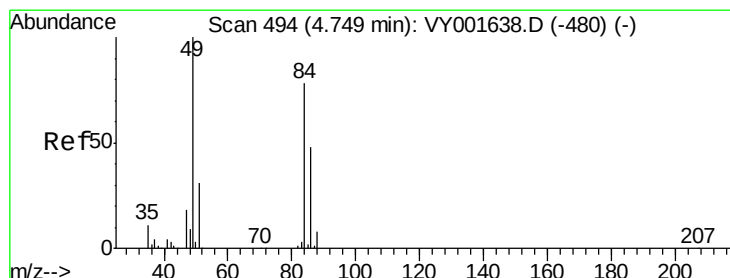
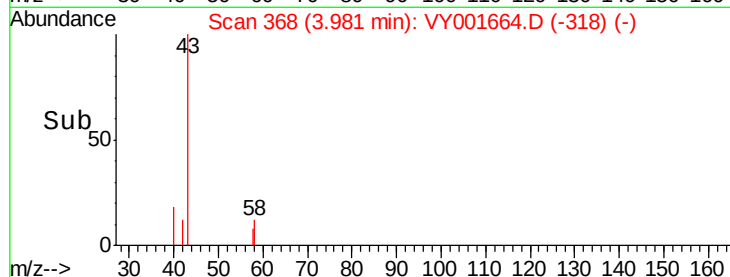
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 2.645 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Tgt Ion: 84 Resp: 5699

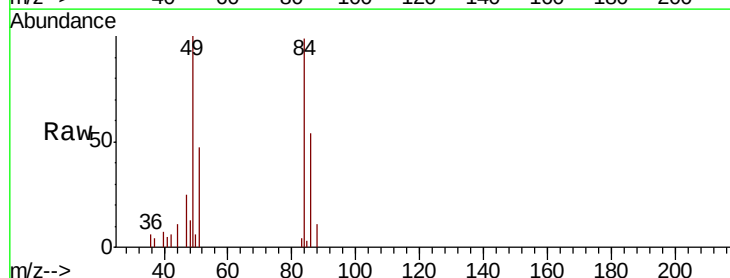
Ion Ratio Lower Upper

84 100

49 101.1 99.2 148.8

51 47.4 31.5 47.3#

86 54.3 51.0 76.6



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

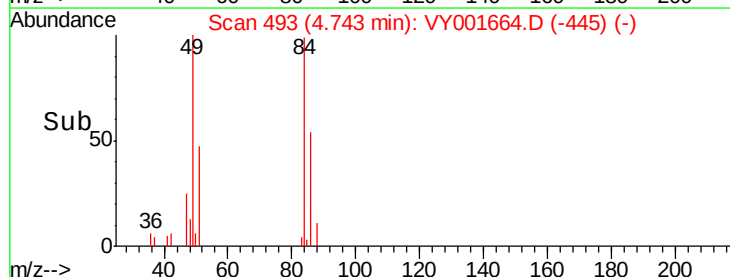
3000

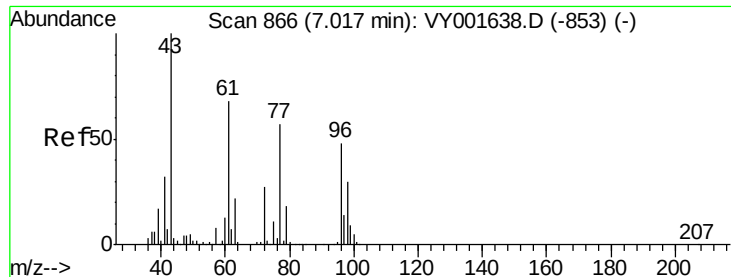
2000

1000

0

Time-->





#25

2-Butanone

Concen: 2.336 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

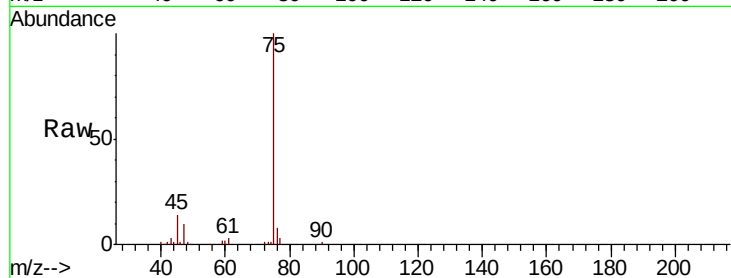
VY0218SBL01

Tot Ion: 43 Resp: 1925

Ion Ratio Lower Upper

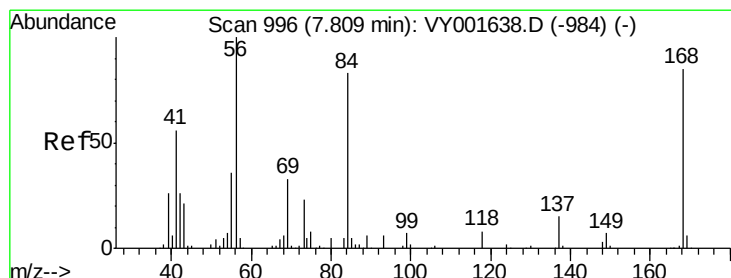
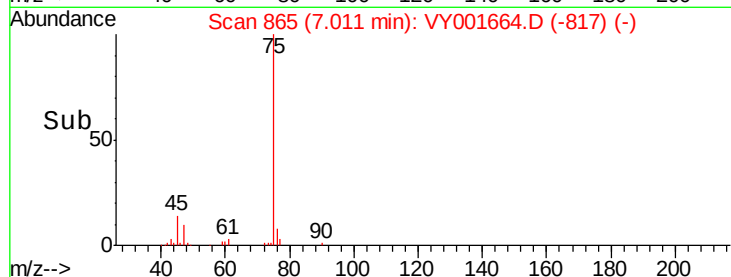
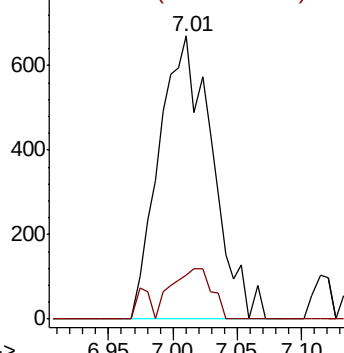
43 100

72 15.4 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.033 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

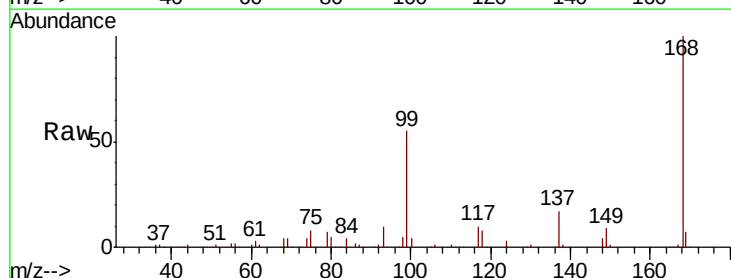
Tgt Ion: 56 Resp: 3805

Ion Ratio Lower Upper

56 100

69 182.1 25.1 37.7#

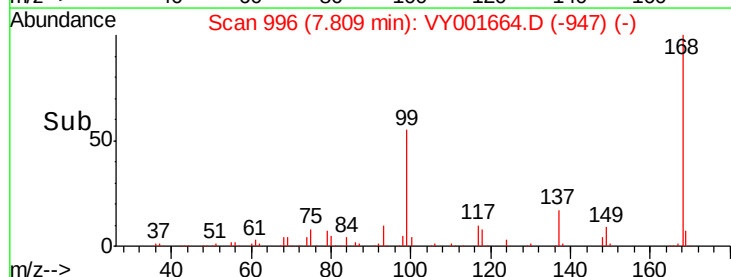
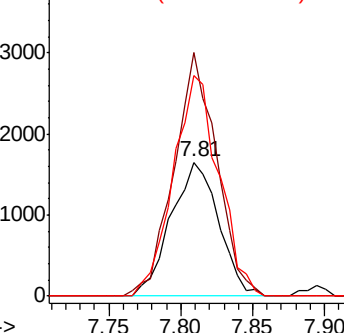
84 164.5 66.9 100.3#

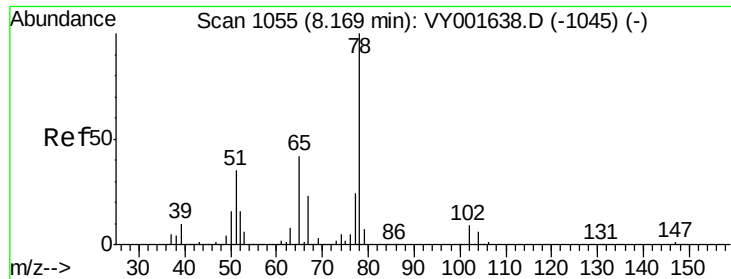


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.563 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

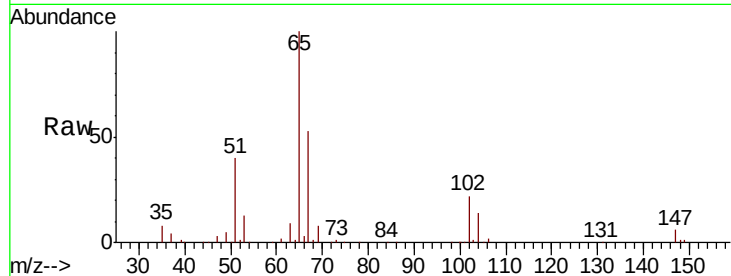
VY0218SBL01

Tot Ion: 65 Resp: 92148

Ion Ratio Lower Upper

65 100

67 54.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

40000

30000

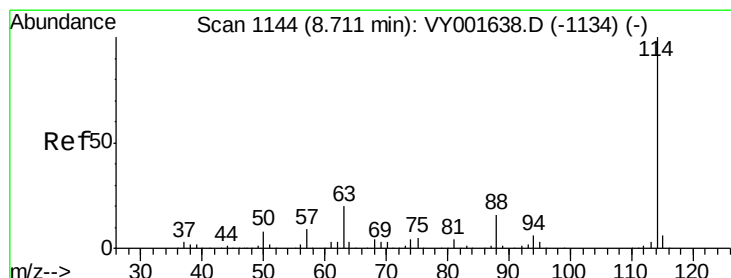
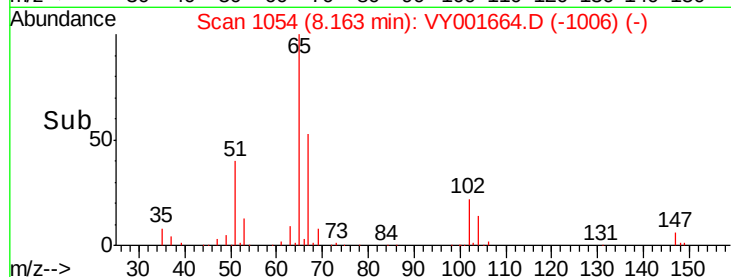
20000

10000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

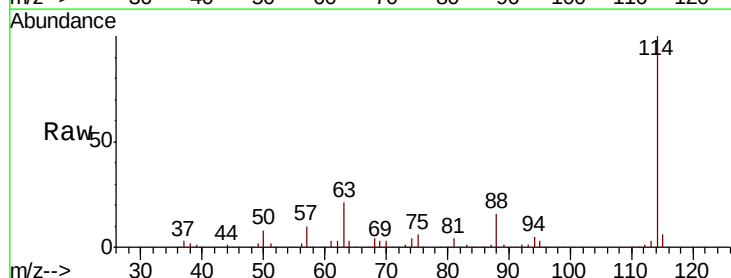
Tgt Ion: 114 Resp: 299738

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

88 15.7 0.0 32.8



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

8.71

200000

150000

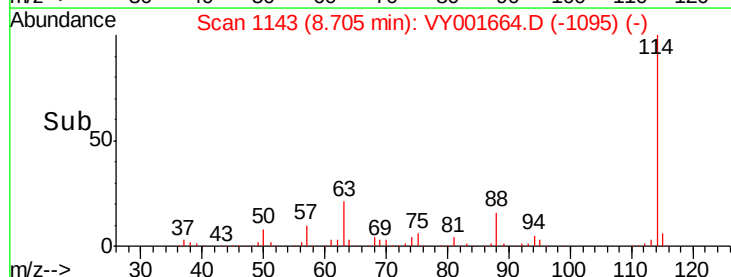
100000

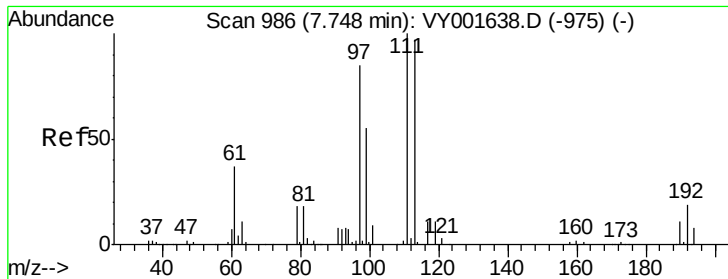
50000

0

8.60 8.70 8.80

Time-->

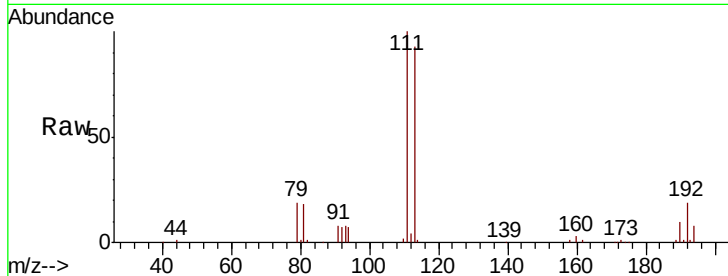




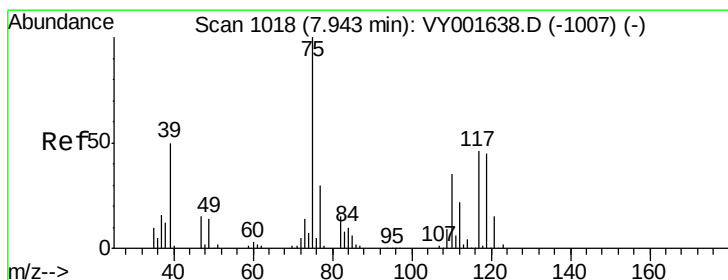
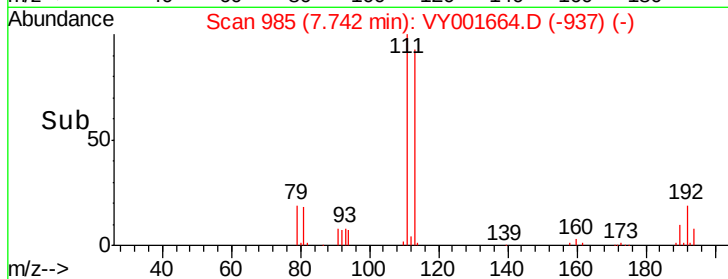
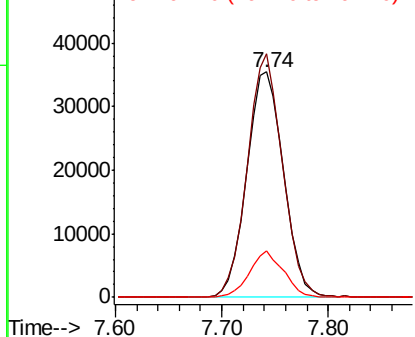
#35
 Dibromofluoromethane
 Concen: 50.283 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001664.D
 Acq: 18 Feb 2020 11:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBL01

Tot Ion:113 Resp: 86324
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 19.1 14.3 21.5

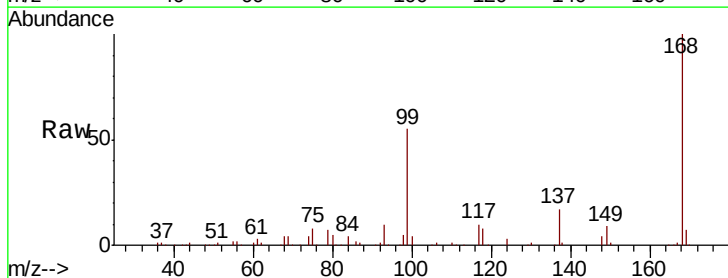


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

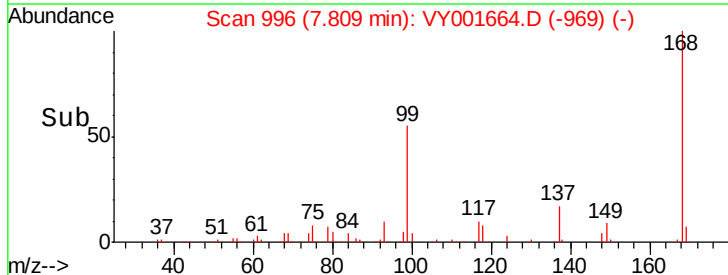
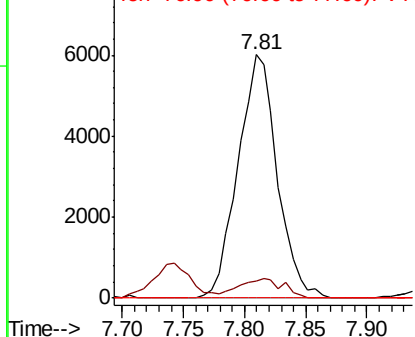


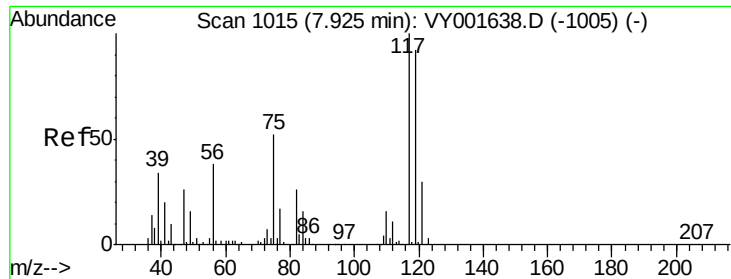
#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001664.D
 Acq: 18 Feb 2020 11:12

Tgt Ion: 75 Resp: 13343
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.2 51.6#
 77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

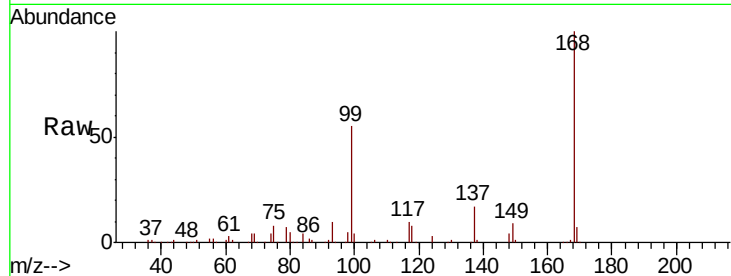




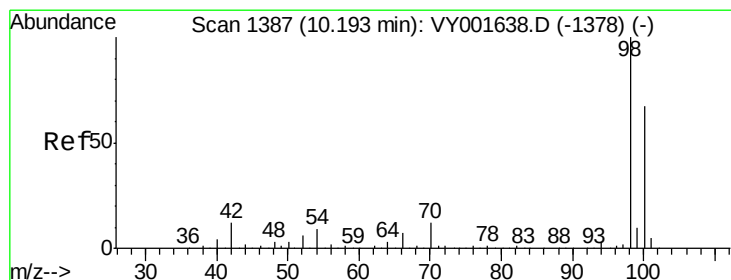
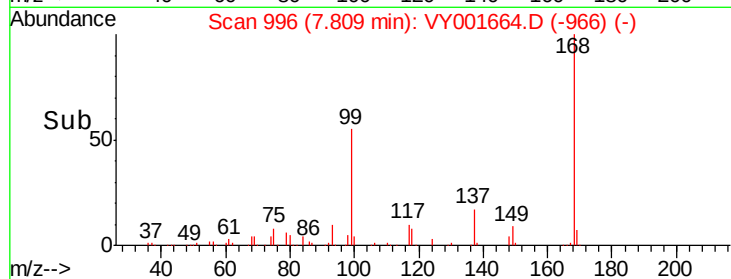
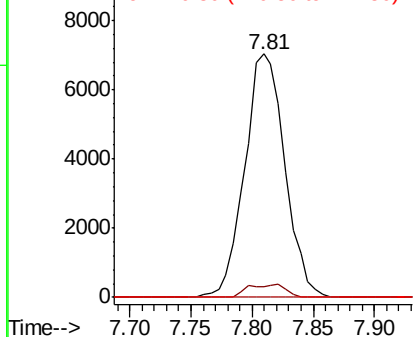
#38
Carbon Tetrachloride
Concen: 6.390 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001664.D
Acq: 18 Feb 2020 11:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBL01

Tot Ion:117 Resp: 16070
Ion Ratio Lower Upper
117 100
119 4.5 74.8 112.2#
121 0.0 23.8 35.6#

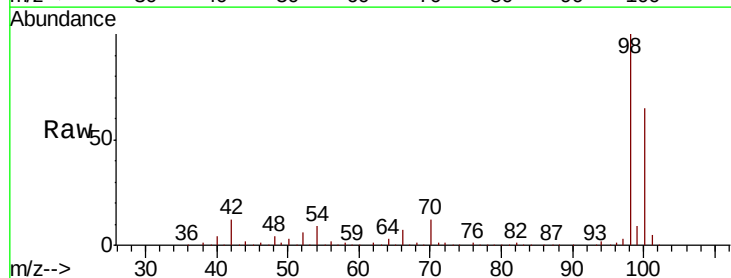


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

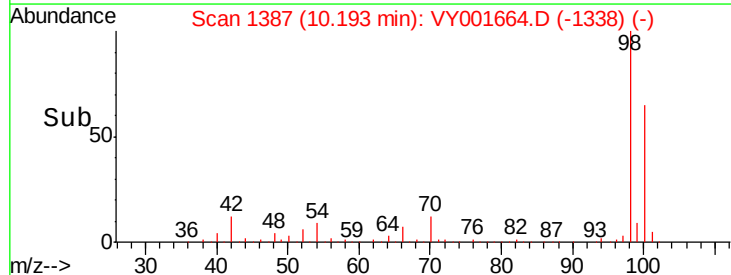
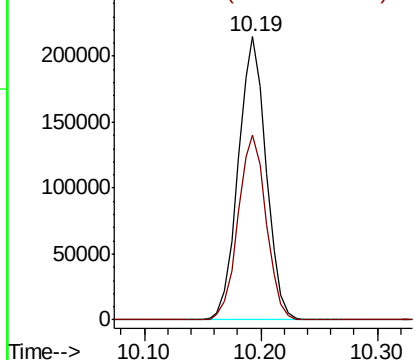


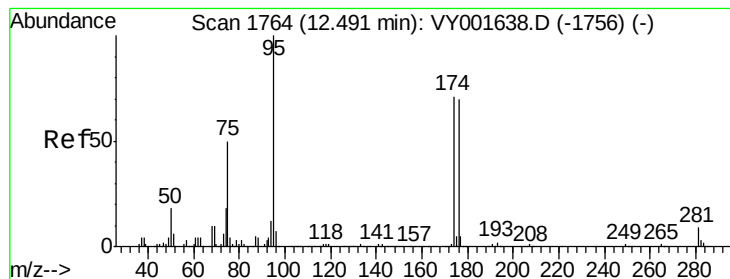
#50
Toluene-d8
Concen: 53.116 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001664.D
Acq: 18 Feb 2020 11:12

Tgt Ion: 98 Resp: 357245
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



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





#62

4-Bromofluorobenzene

Concen: 45.112 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBL01

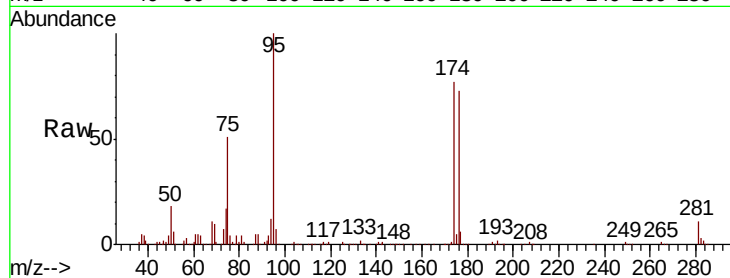
Tot Ion: 95 Resp: 117874

Ion Ratio Lower Upper

95 100

174 74.6 0.0 138.4

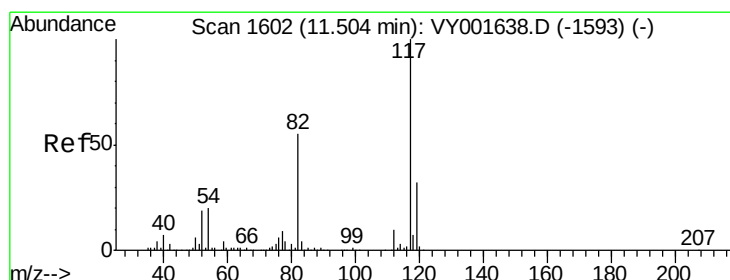
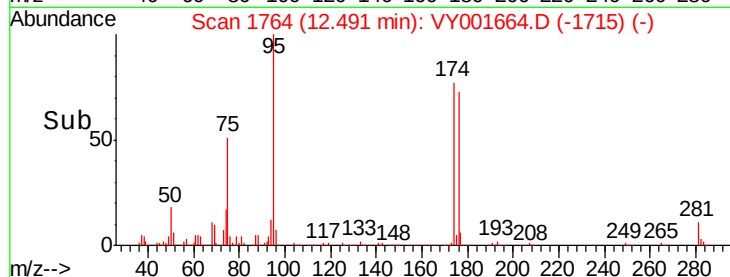
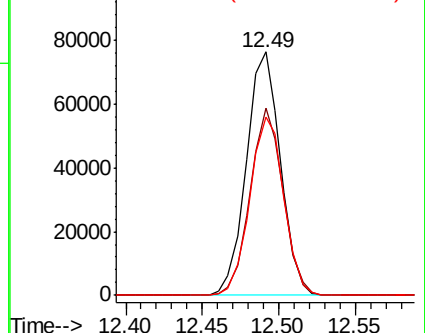
176 73.2 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001664.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001664.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001664.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

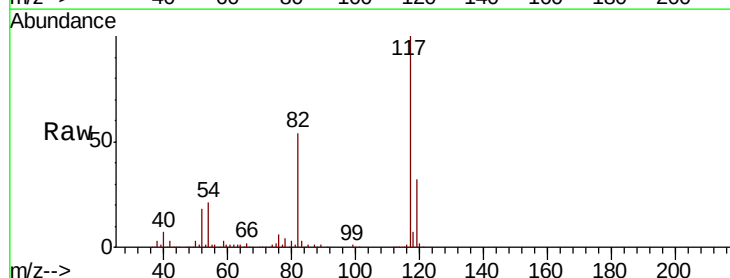
Tgt Ion: 117 Resp: 265590

Ion Ratio Lower Upper

117 100

82 54.2 45.5 68.3

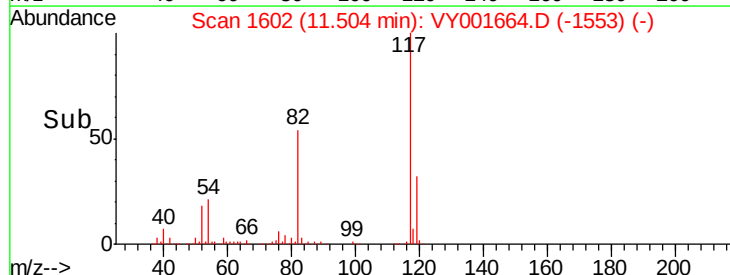
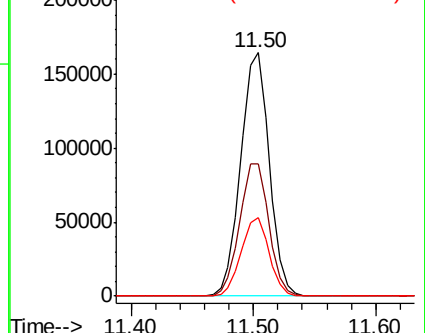
119 32.1 25.8 38.6

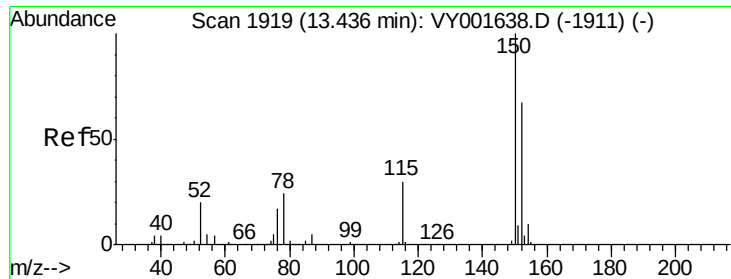


Abundance Ion 116.90 (116.60 to 117.60): VY001664.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001664.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001664.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001664.D

Acq: 18 Feb 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBL01

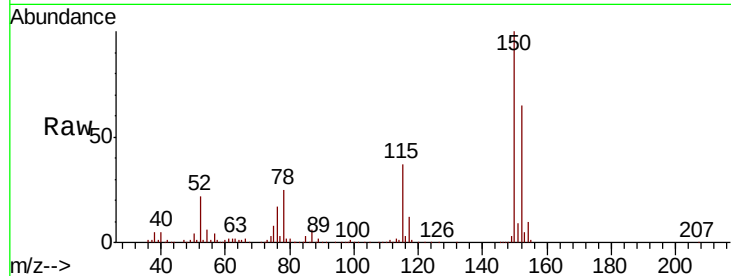
Tot Ion:152 Resp: 114380

Ion Ratio Lower Upper

152 100

115 60.2 31.4 94.2

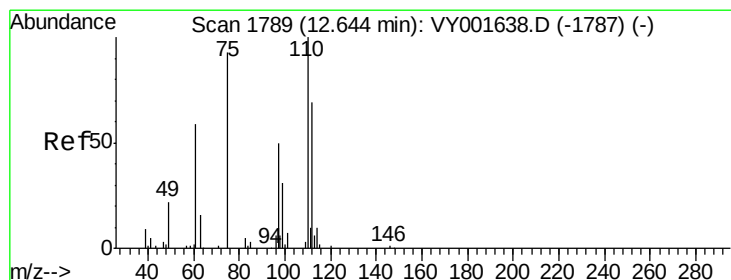
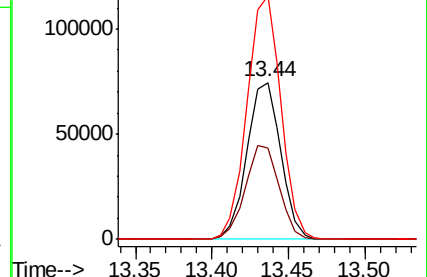
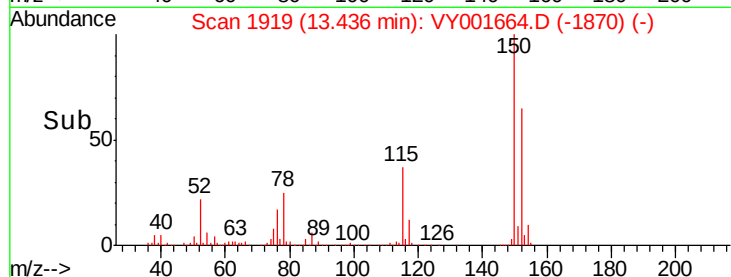
150 155.5 0.0 407.2



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: 46.752 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001664.D

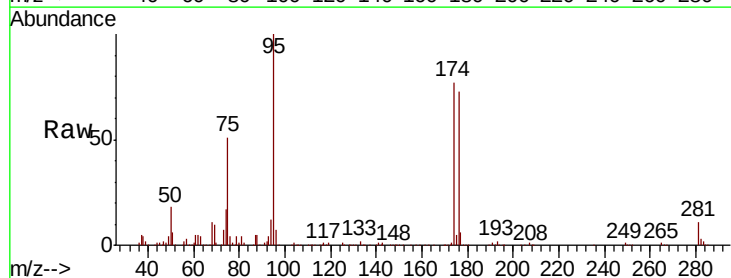
Acq: 18 Feb 2020 11:12

Tgt Ion: 75 Resp: 61343

Ion Ratio Lower Upper

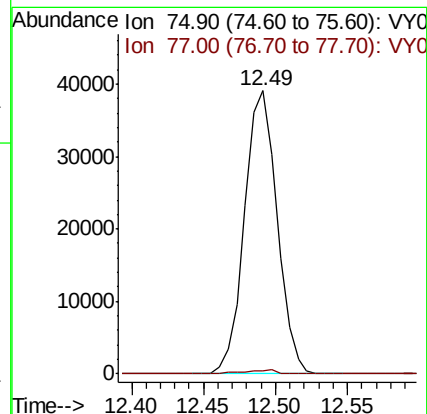
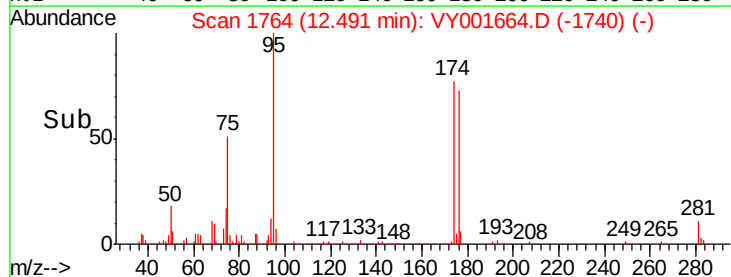
75 100

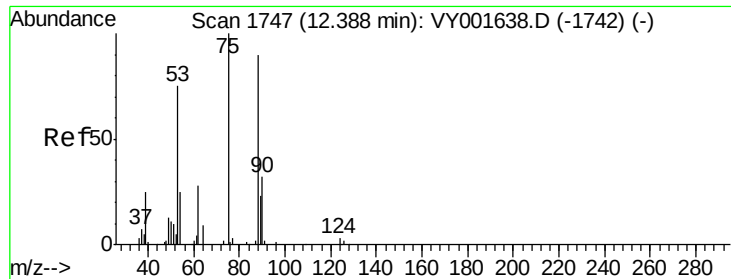
77 1.5 0.0 0.0#



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: 88.697 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001664.D
 Acq: 18 Feb 2020 11:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBL01

Tot Ion: 75 Resp: 61343
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.5 36.3 54.5#

