

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001236.D
 Acq On : 15 Jan 2020 23:00
 Operator : SY/MD
 Sample : VY0115SBL02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBL02

Quant Time: Jan 16 04:54:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	181951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	325585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	298522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	103015	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.73	113	95577	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.18	98	383643	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.48	95	141632	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

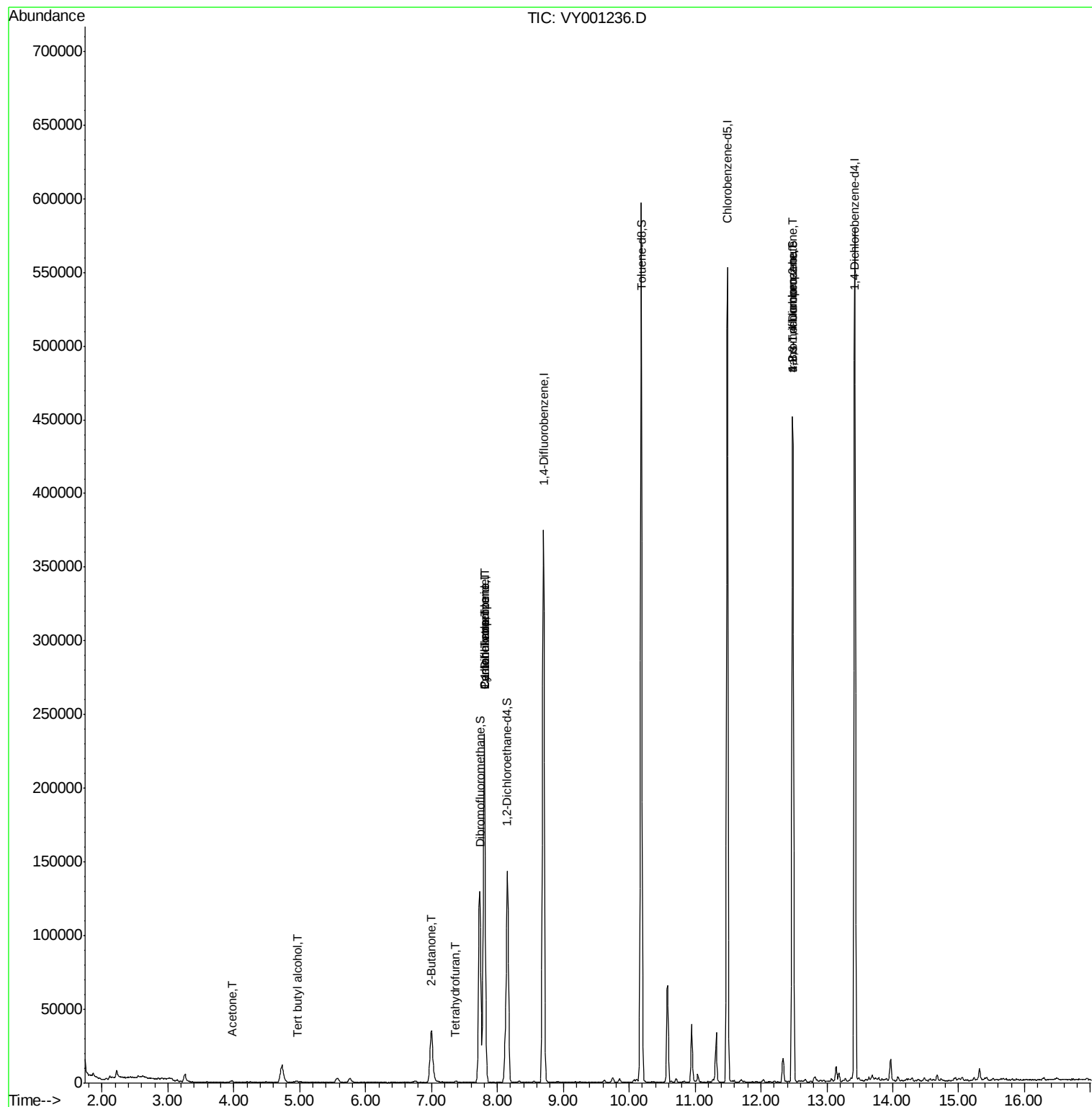
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.96	59	723	3.739	ug/l	98
16) Acetone	3.97	43	2352	5.270	ug/l	93
20) Methylene Chloride	4.73	84	8535	Below Cal		98
25) 2-Butanone	7.00	43	2219	3.195	ug/l #	89
29) Tetrahydrofuran	7.36	42	503	1.057	ug/l #	63
31) Cyclohexane	7.80	56	3796	1.021	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14606	4.922	ug/l #	48
38) Carbon Tetrachloride	7.80	117	17089	6.284	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	70373	47.006	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70373	79.712	ug/l #	6

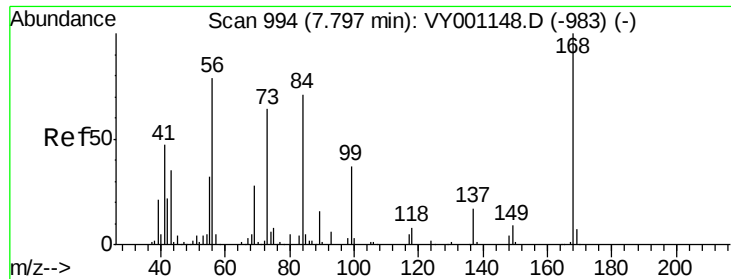
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampleId :

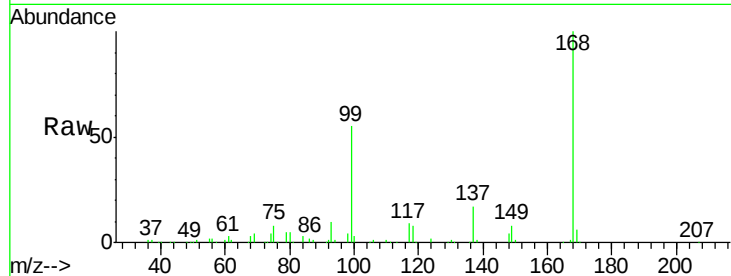
VY0115SBL02

Tgt Ion:168 Resp: 181951

Ion Ratio Lower Upper

168 100

99 55.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

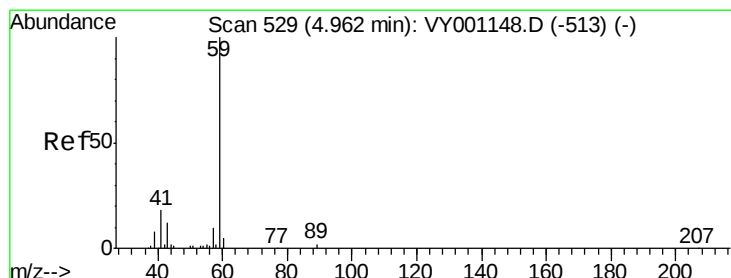
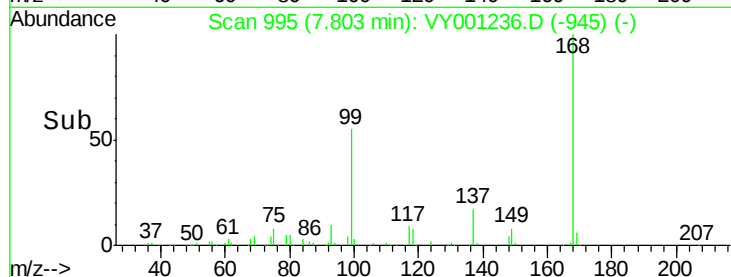
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 3.739 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY001236.D

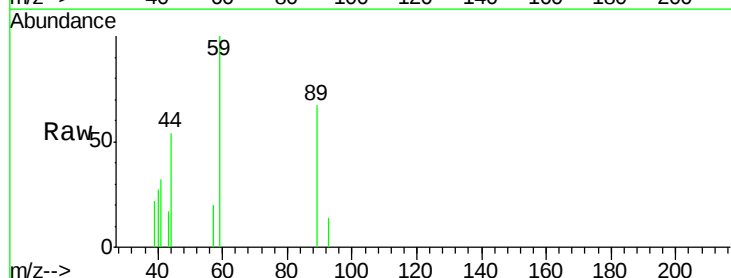
Acq: 15 Jan 2020 23:00

Tgt Ion: 59 Resp: 723

Ion Ratio Lower Upper

59 100

57 10.4 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.96

400

300

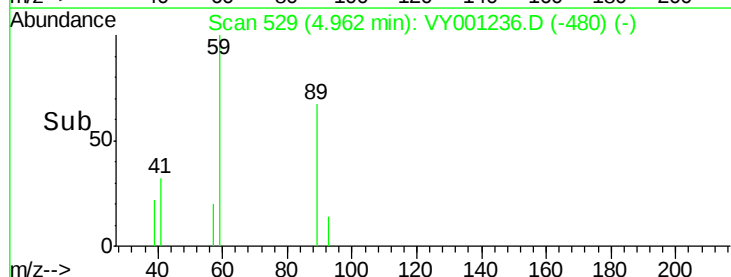
200

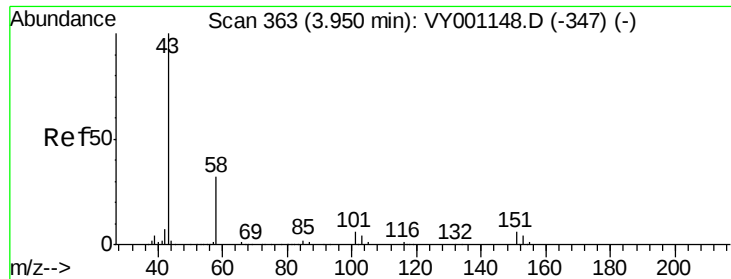
100

0

4.94 4.96 4.98 5.00

Time-->





#16

Acetone

Concen: 5.270 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampleId :

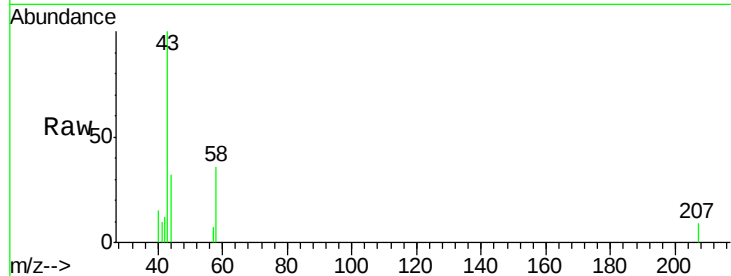
VY0115SBL02

Tgt Ion: 43 Resp: 2352

Ion Ratio Lower Upper

43 100

58 36.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

800

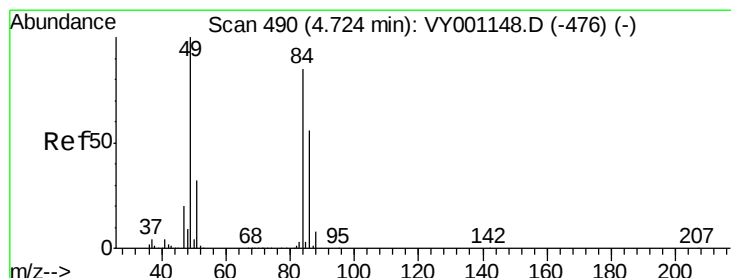
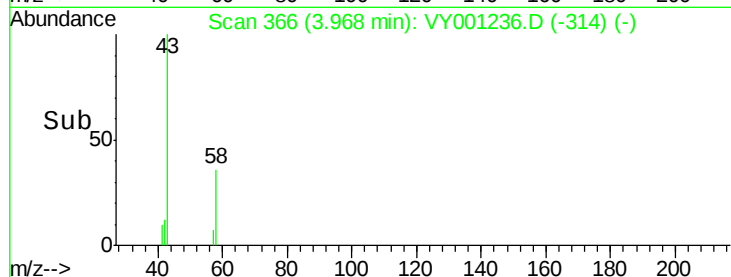
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Tgt Ion: 84 Resp: 8535

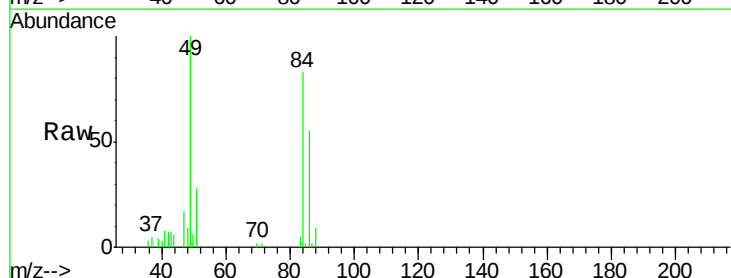
Ion Ratio Lower Upper

84 100

49 119.8 93.8 140.6

51 33.5 29.9 44.9

86 66.0 52.6 78.8



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

5000

4000

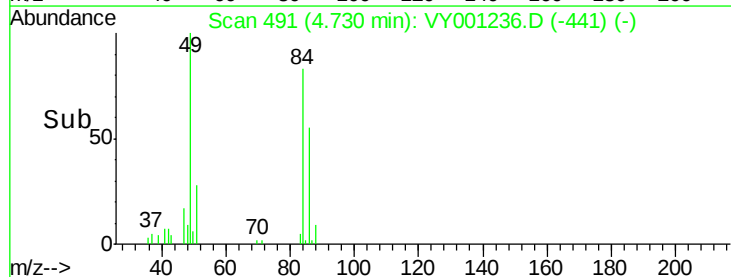
3000

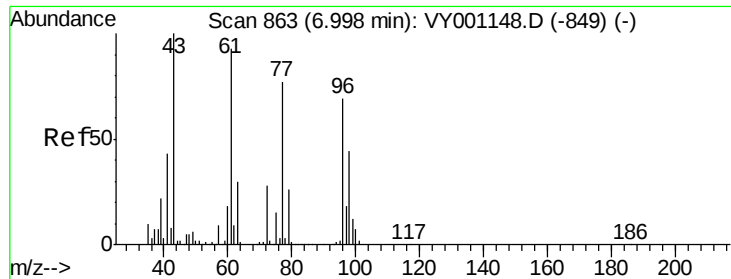
2000

1000

0

Time-->





#25

2-Butanone

Concen: 3.195 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampleId :

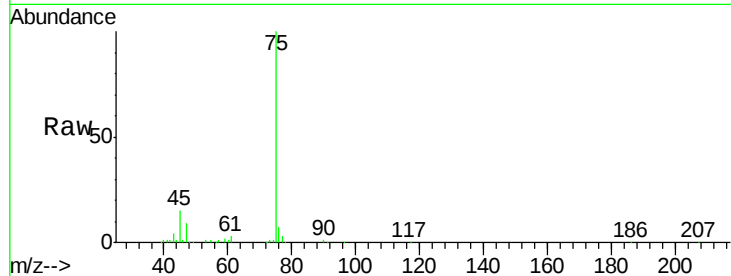
VY0115SBL02

Tgt Ion: 43 Resp: 2219

Ion Ratio Lower Upper

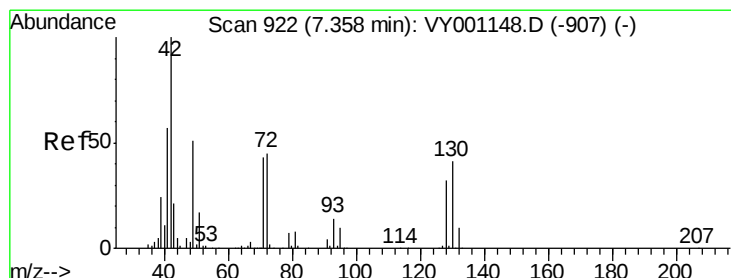
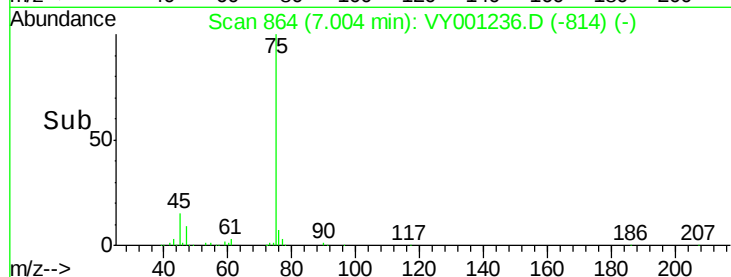
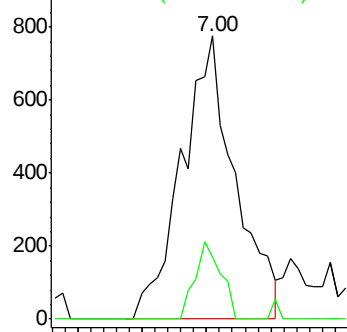
43 100

72 21.9 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.057 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

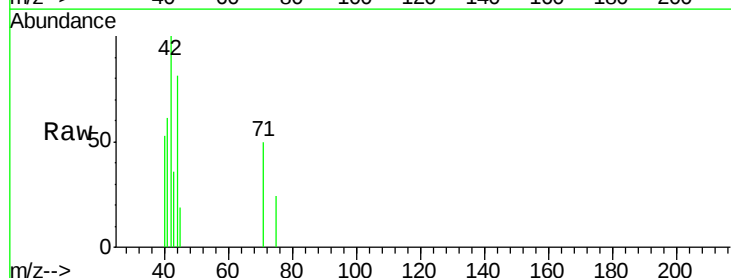
Tgt Ion: 42 Resp: 503

Ion Ratio Lower Upper

42 100

72 0.0 36.9 55.3#

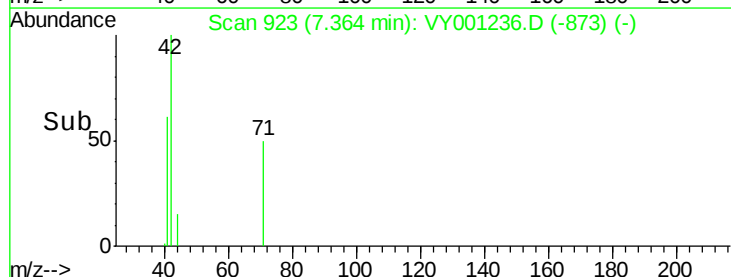
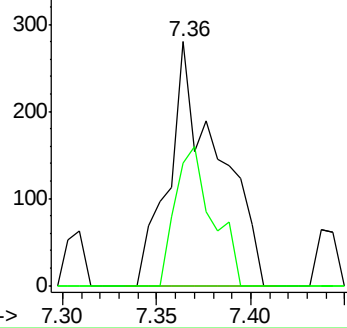
71 43.5 34.0 51.0

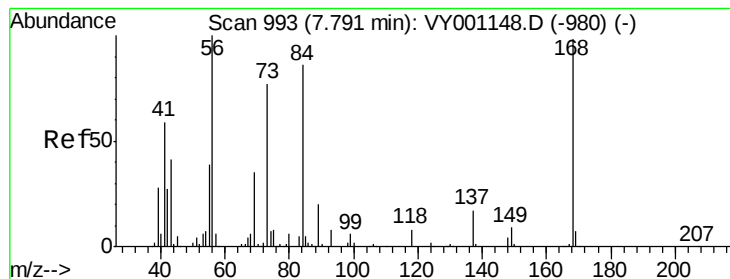


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBL02

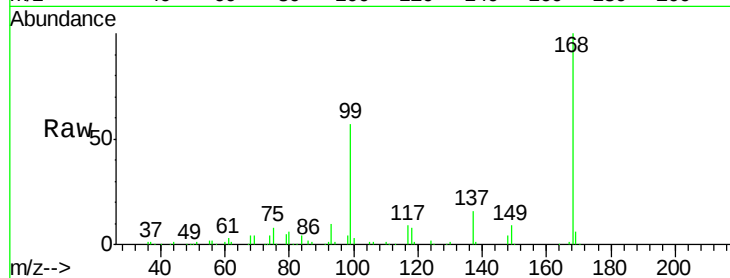
Tgt Ion: 56 Resp: 3796

Ion Ratio Lower Upper

56 100

69 191.0 27.8 41.8#

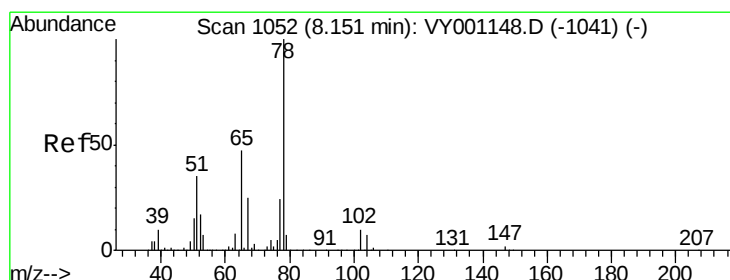
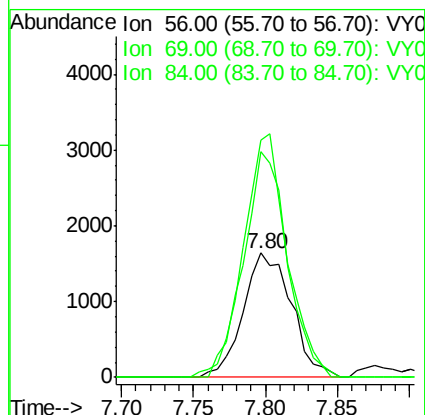
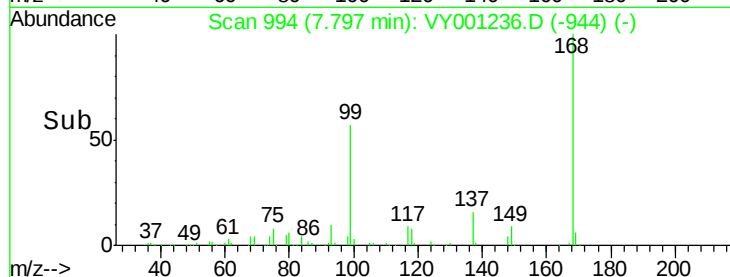
84 181.7 68.9 103.3#



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: 53.606 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY001236.D

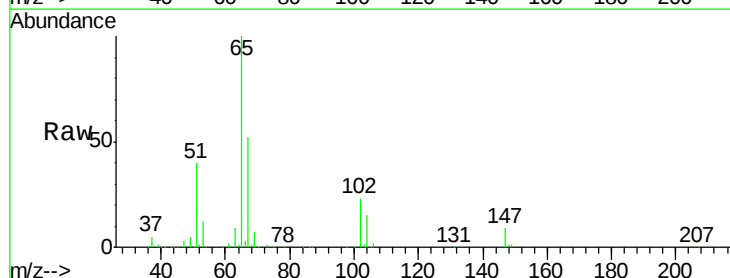
Acq: 15 Jan 2020 23:00

Tgt Ion: 65 Resp: 103015

Ion Ratio Lower Upper

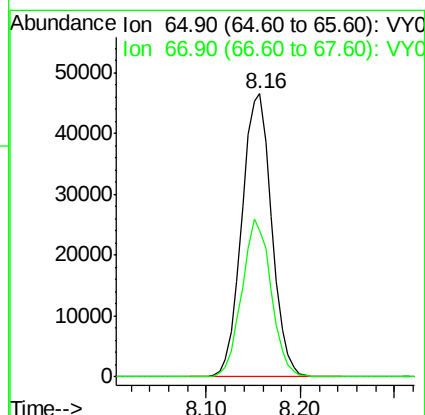
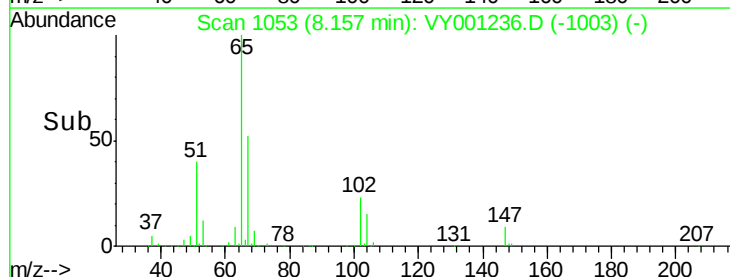
65 100

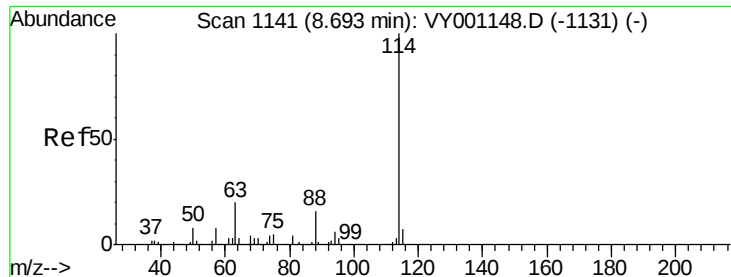
67 54.6 0.0 105.2



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. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBL02

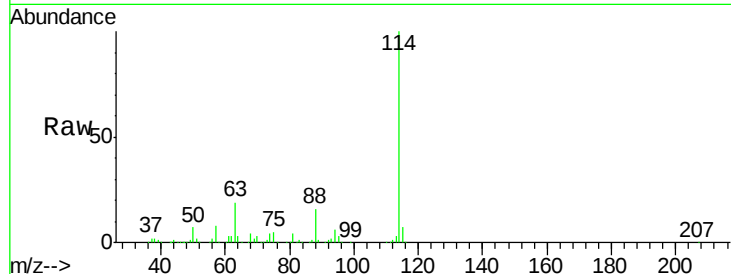
Tgt Ion:114 Resp: 325585

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

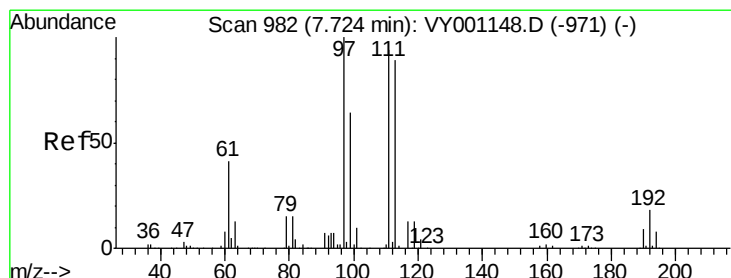
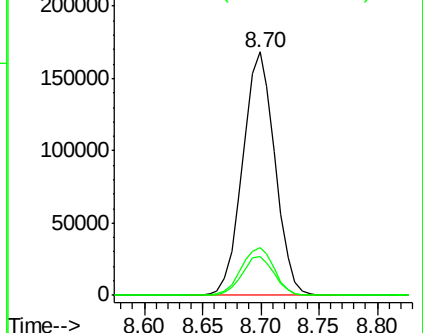
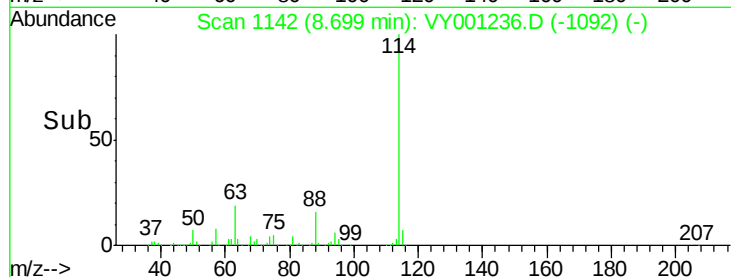
88 15.8 0.0 32.4



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: 50.138 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

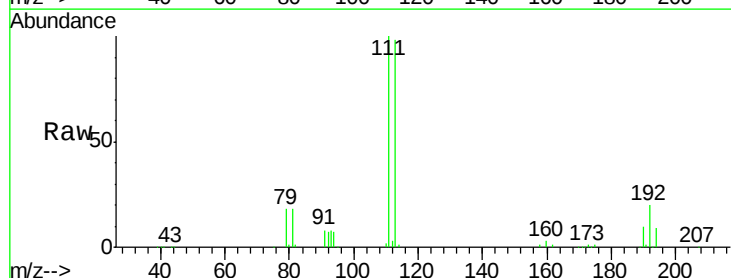
Tgt Ion:113 Resp: 95577

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

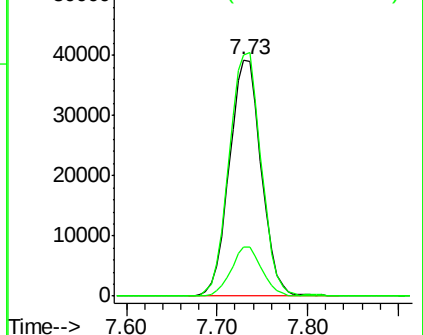
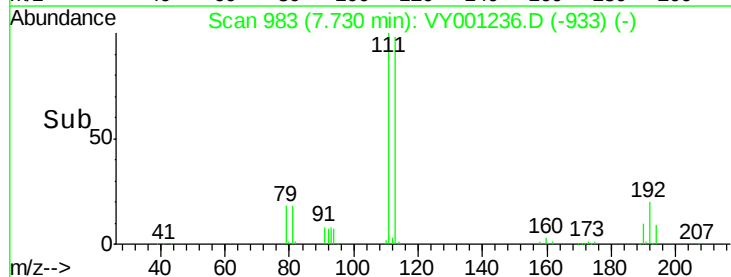
192 20.1 15.4 23.2

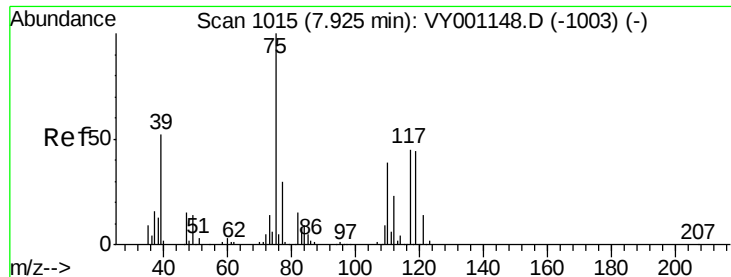


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

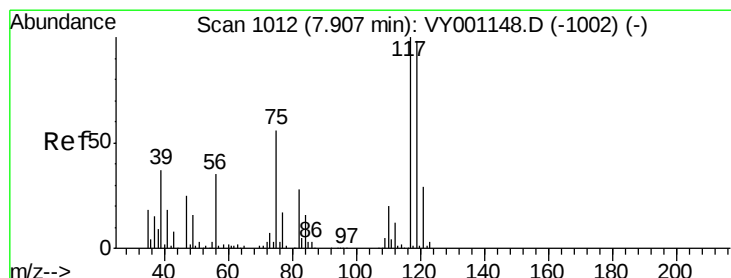
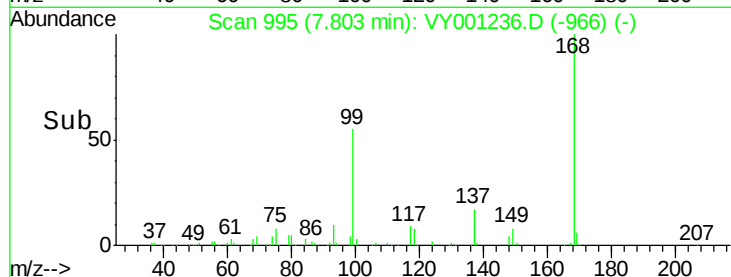
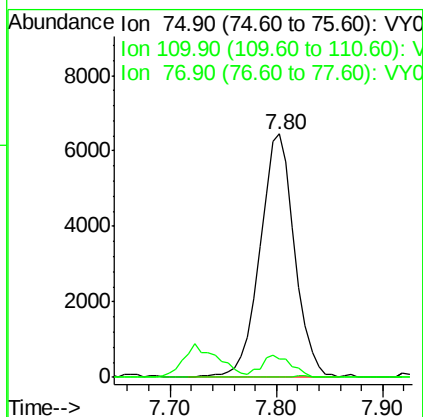
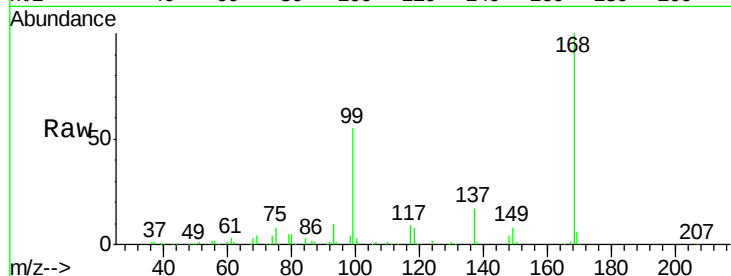




#36
 1,1-Dichloropropene
 Concen: 4.922 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001236.D
 Acq: 15 Jan 2020 23:00

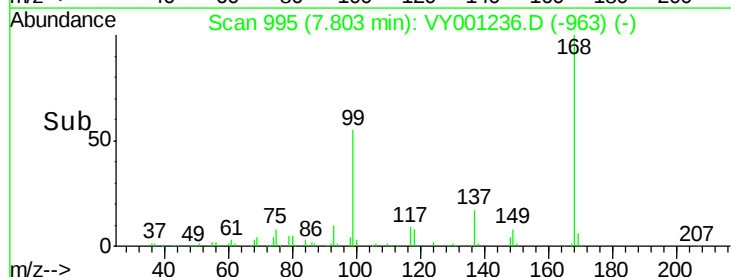
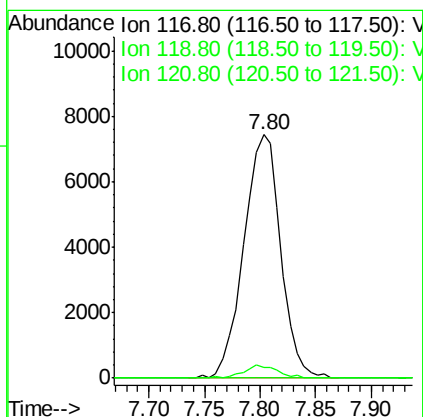
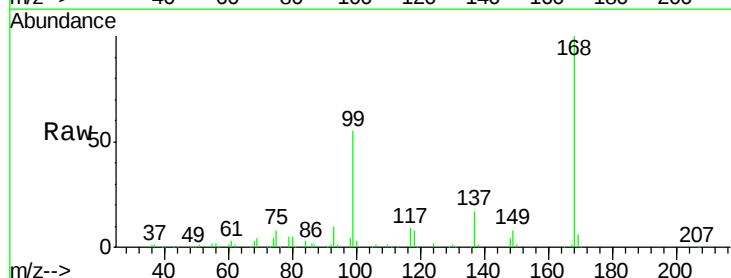
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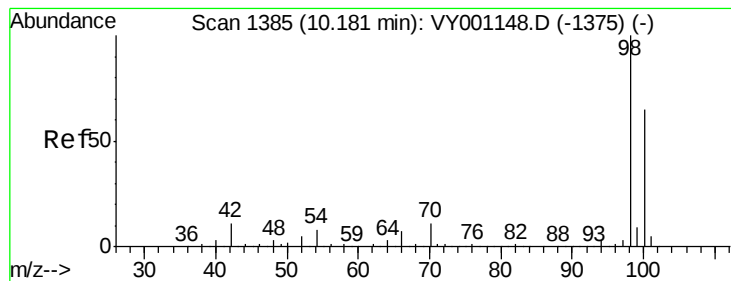
Tgt Ion: 75 Resp: 14606
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.284 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001236.D
 Acq: 15 Jan 2020 23:00

Tgt Ion: 117 Resp: 17089
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.230 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampled :

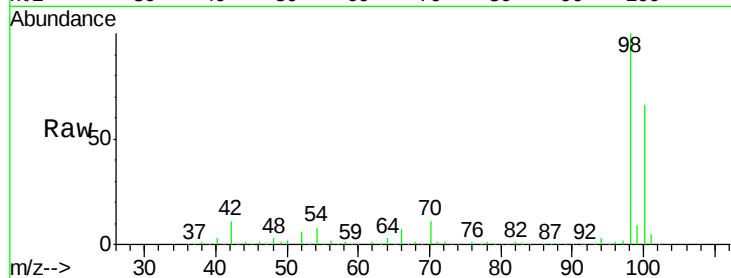
VY0115SBL02

Tgt Ion: 98 Resp: 383643

Ion Ratio Lower Upper

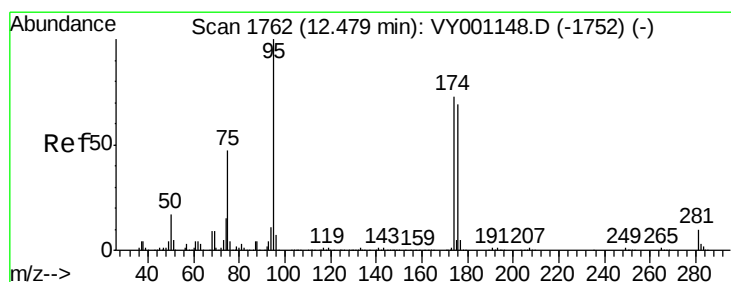
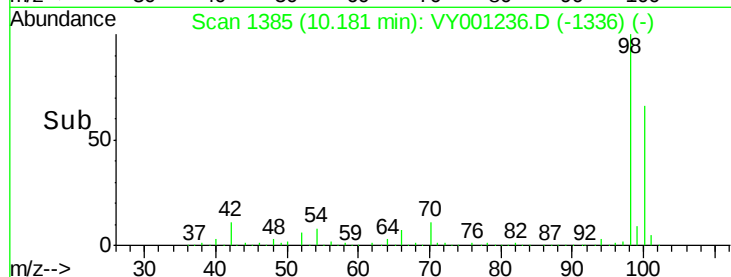
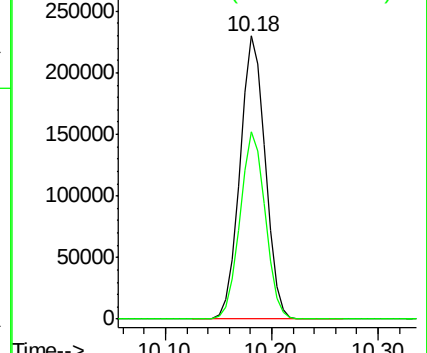
98 100

100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.164 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

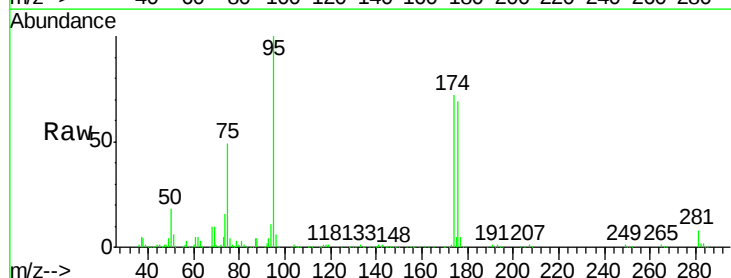
Tgt Ion: 95 Resp: 141632

Ion Ratio Lower Upper

95 100

174 75.5 0.0 143.2

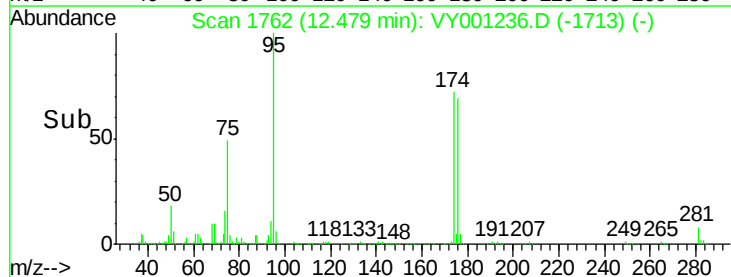
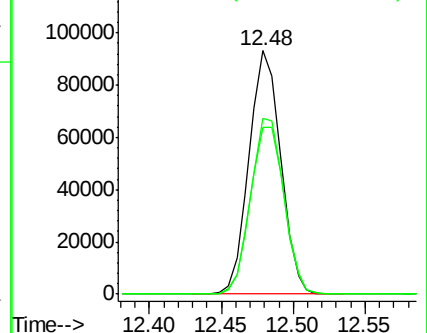
176 73.2 0.0 136.0

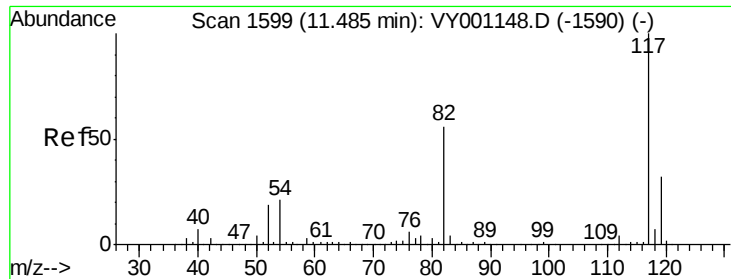


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

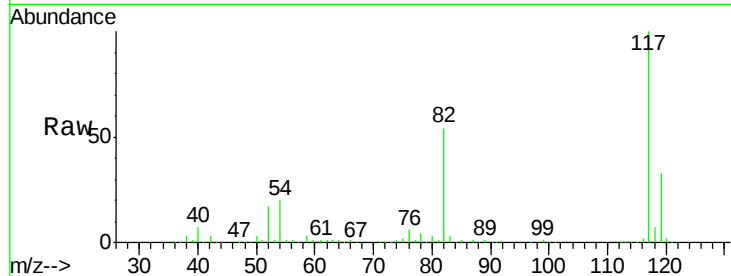




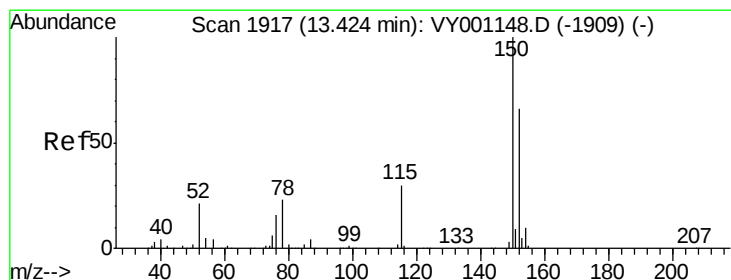
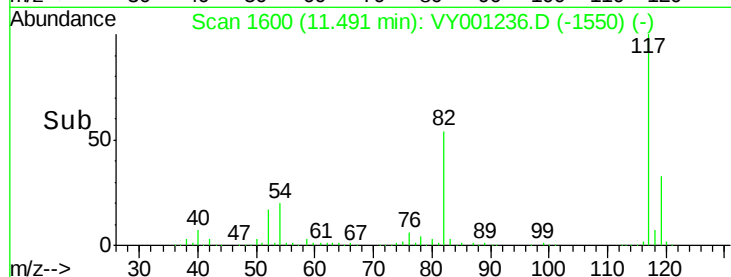
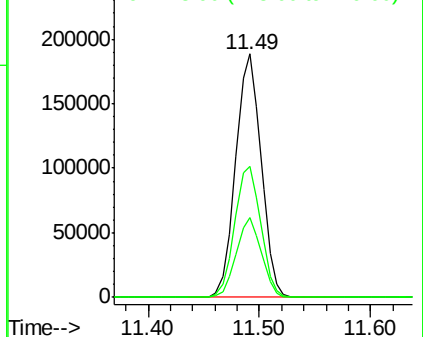
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001236.D
Acq: 15 Jan 2020 23:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBL02

Tgt Ion:117 Resp: 298522
Ion Ratio Lower Upper
117 100
82 53.7 44.9 67.3
119 32.6 25.7 38.5

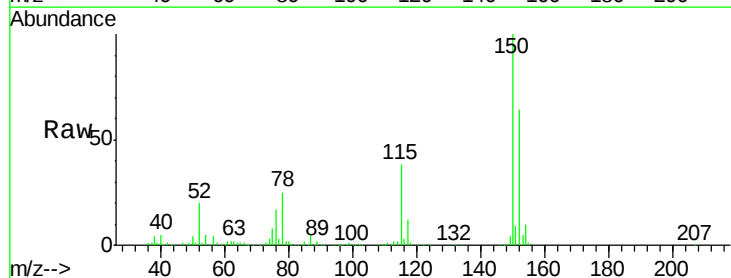


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

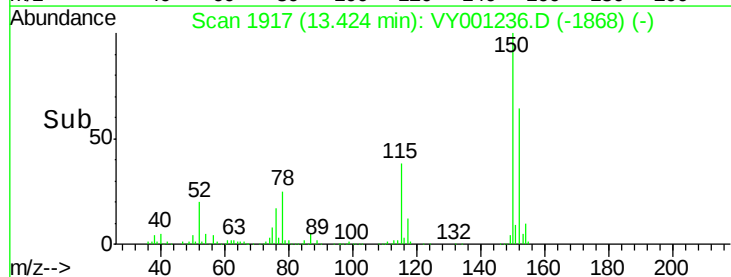
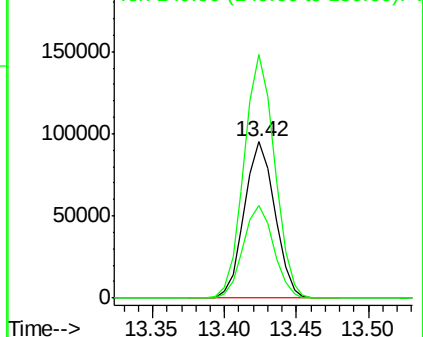


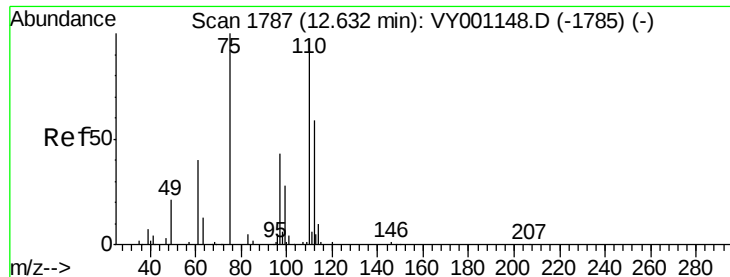
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001236.D
Acq: 15 Jan 2020 23:00

Tgt Ion:152 Resp: 139849
Ion Ratio Lower Upper
152 100
115 59.4 30.9 92.5
150 156.3 0.0 346.8



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: 47.006 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

Instrument :

MSVOA_Y

ClientSampleId :

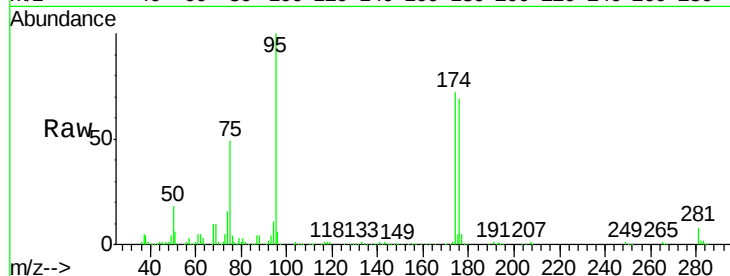
VY0115SBL02

Tgt Ion: 75 Resp: 70373

Ion Ratio Lower Upper

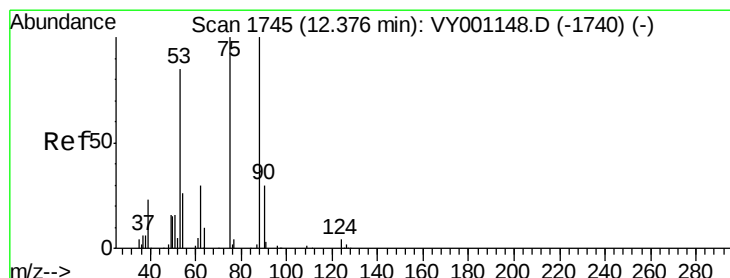
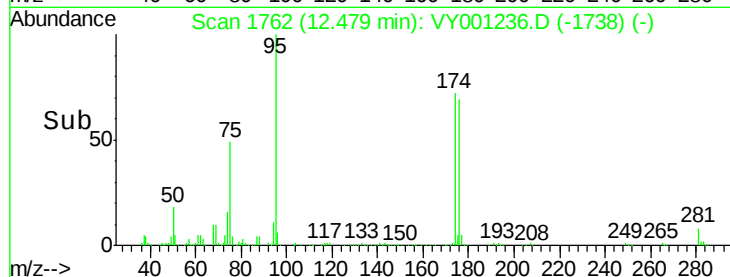
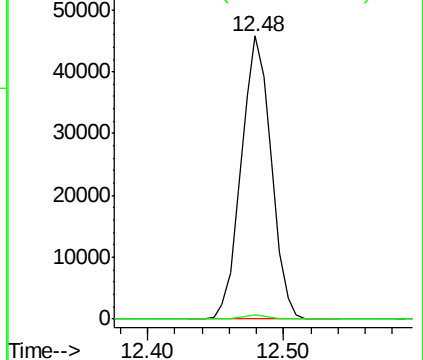
75 100

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: 79.712 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001236.D

Acq: 15 Jan 2020 23:00

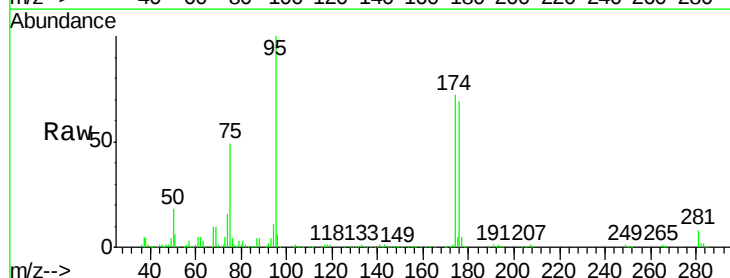
Tgt Ion: 75 Resp: 70373

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 0.0 0.0#



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

