

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020320\
 Data File : VY001467.D
 Acq On : 03 Feb 2020 12:31
 Operator : SY/MD
 Sample : L1347-01
 Misc : 5.86G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-01

Quant Time: Feb 03 13:18:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	163253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	303173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111809	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	96415	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.74	113	88668	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.19	98	360116	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.49	95	123954	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

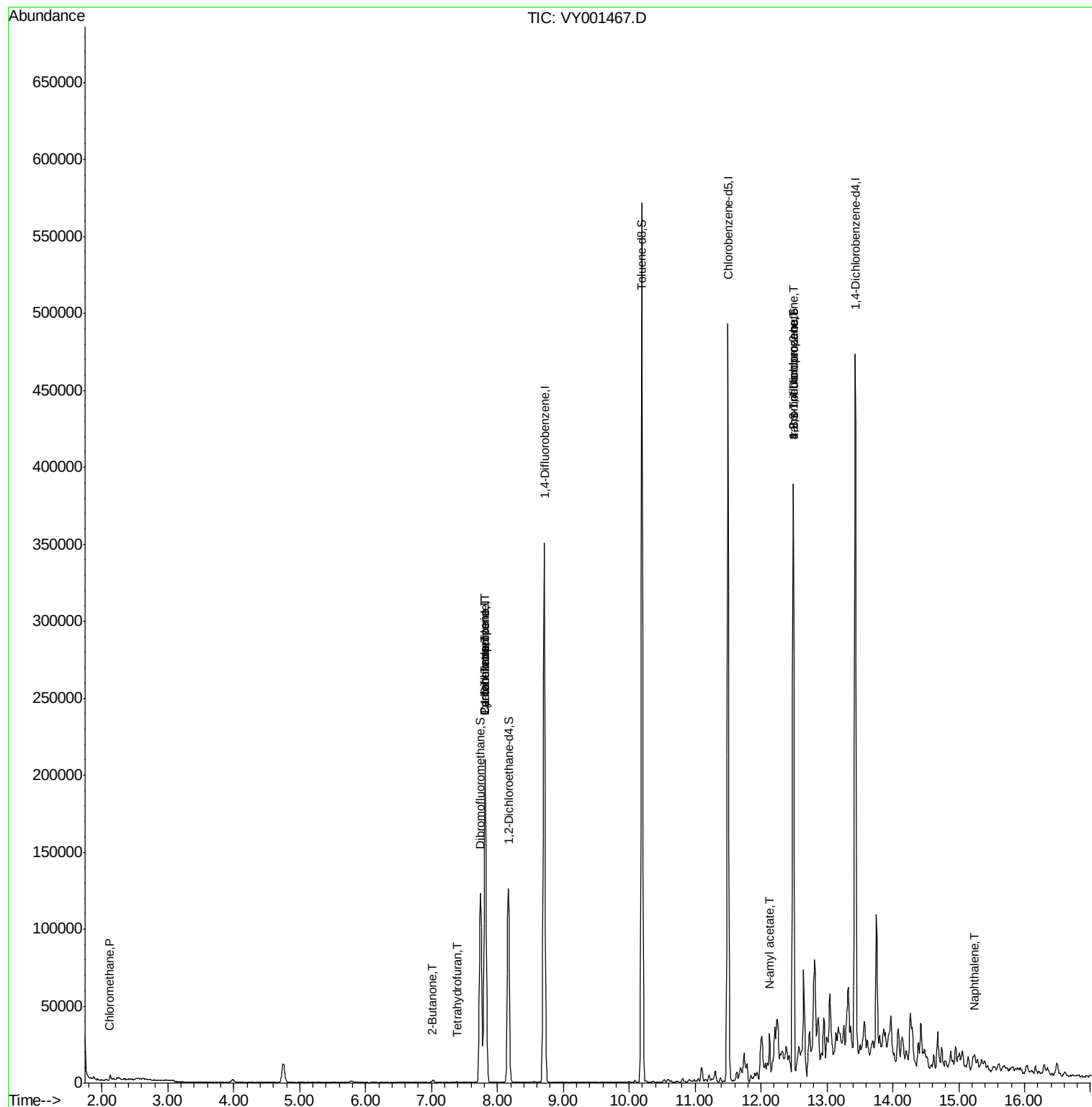
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	2467	1.27	ug/l	95
11) Tert butyl alcohol	4.99	59	148	Below	Cal #	74
13) Acrolein	3.77	56	21	Below	Cal #	75
20) Methylene Chloride	4.74	84	8834	Below	Cal	94
25) 2-Butanone	7.02	43	1426	1.84	ug/l	92
29) Tetrahydrofuran	7.39	42	550	1.09	ug/l #	46
31) Cyclohexane	7.81	56	3528	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13206	4.61	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16328	6.40	ug/l #	15
74) N-amyl acetate	12.13	43	5898	2.04	ug/l #	48
76) 1,2,3-Trichloropropane	12.49	75	61014	45.29	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61014	85.70	ug/l #	15
95) Naphthalene	15.24	128	7117	1.34	ug/l #	93

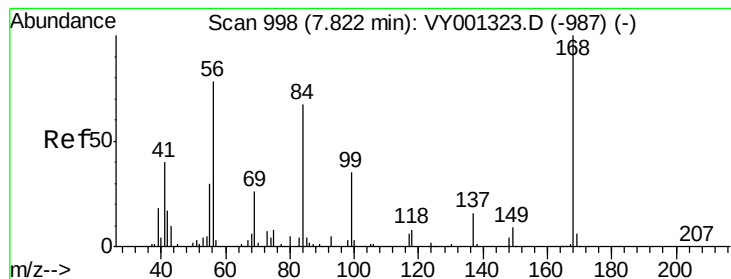
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY020320\
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Quant Time: Feb 03 13:18:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampled :

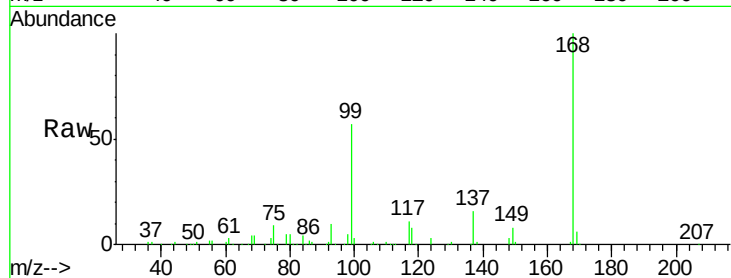
GRAB-01

Tgt Ion: 168 Resp: 163253

Ion Ratio Lower Upper

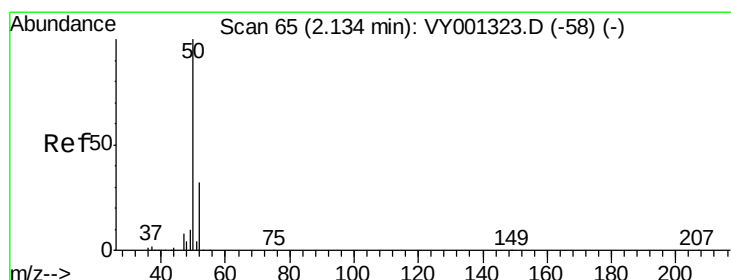
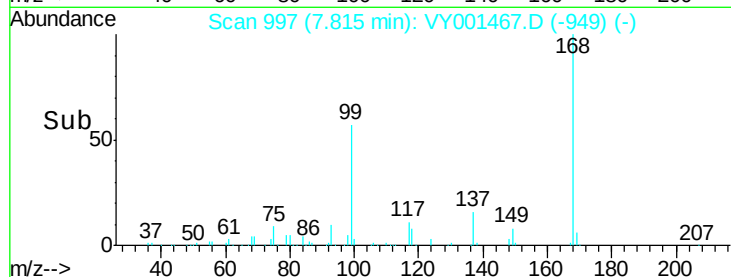
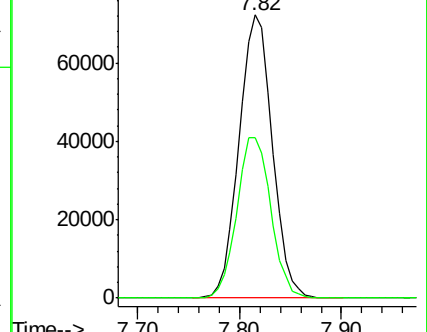
168 100

99 56.7 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)



#3

Chloromethane

Concen: 1.27 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001467.D

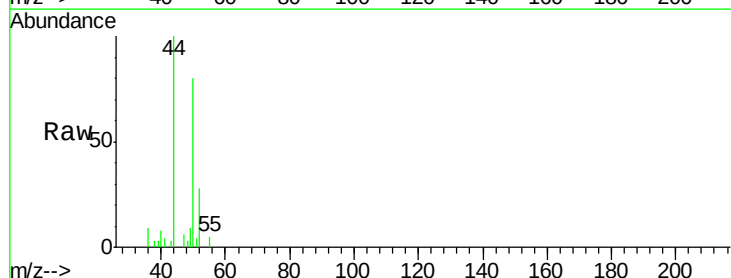
Acq: 03 Feb 2020 12:31

Tgt Ion: 50 Resp: 2467

Ion Ratio Lower Upper

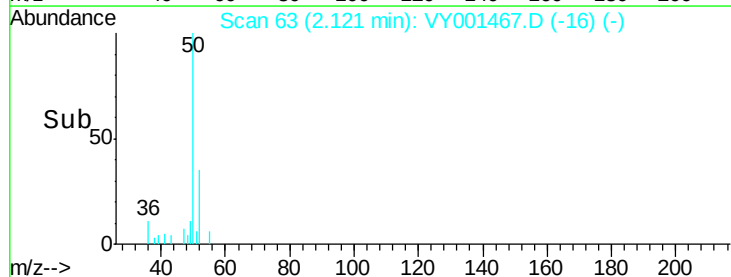
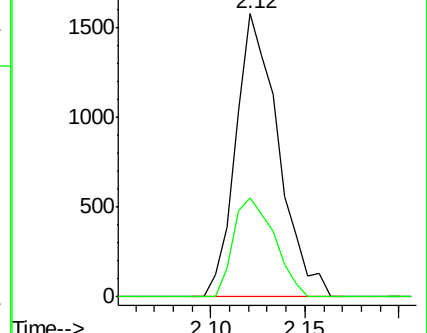
50 100

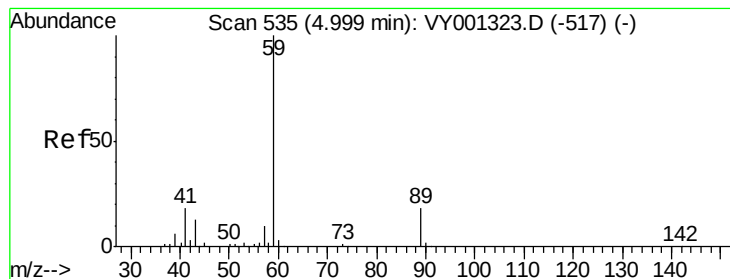
52 34.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VY001323.D (-58) (-)

Ion 51.90 (51.60 to 52.60): VY001323.D (-58) (-)



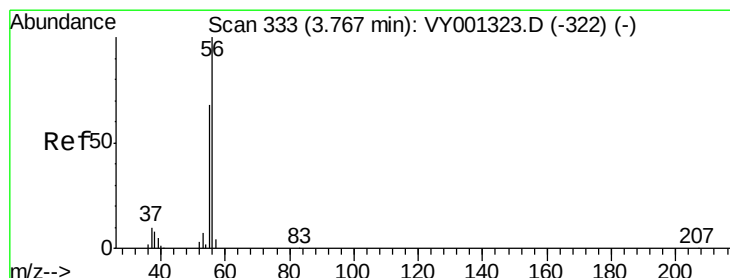
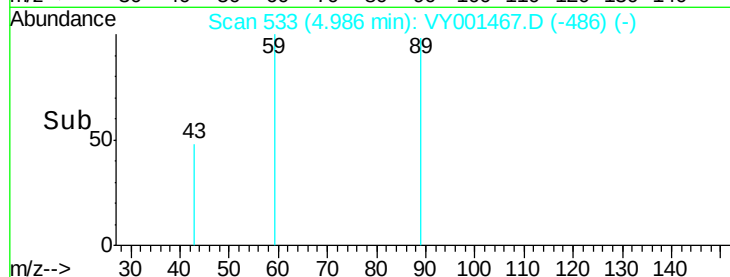
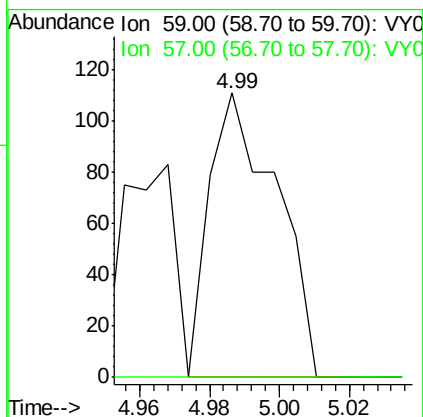
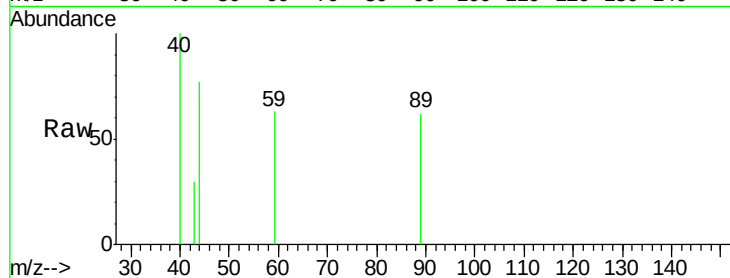


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001467.D
 Acq: 03 Feb 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampled :
 GRAB-01

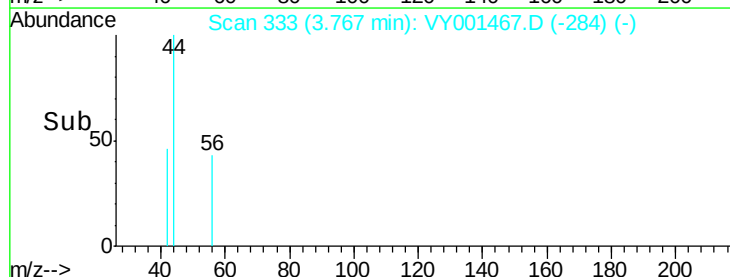
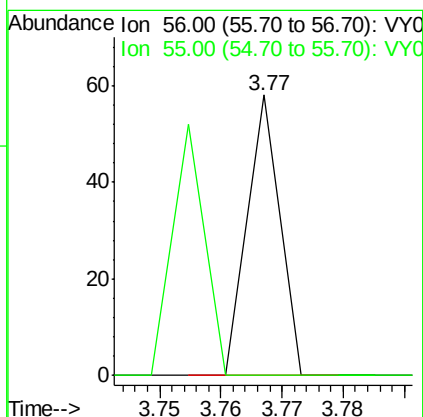
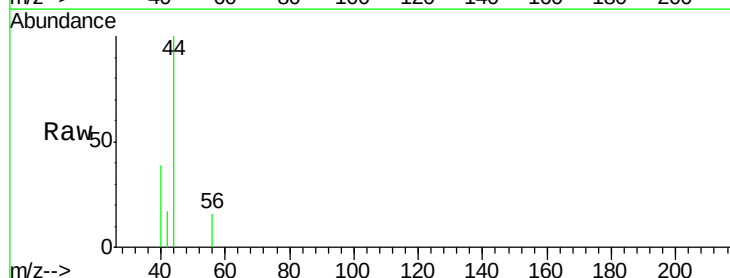
Tgt Ion: 59 Resp: 148
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

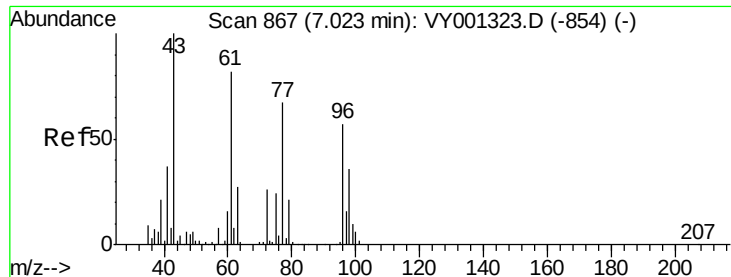


#13

Acrolein
 Concen: Below Cal
 RT: 3.77 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VY001467.D
 Acq: 03 Feb 2020 12:31

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 90.5 55.9 83.9#





#25

2-Butanone

Concen: 1.84 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampled :

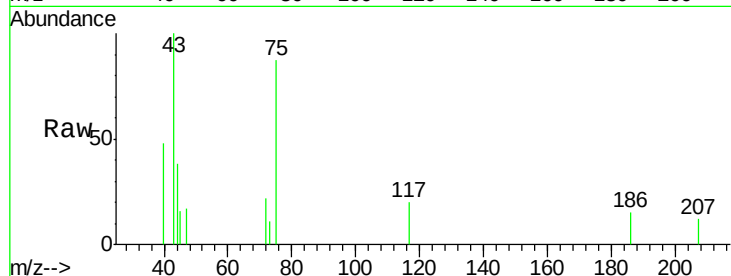
GRAB-01

Tgt Ion: 43 Resp: 1426

Ion Ratio Lower Upper

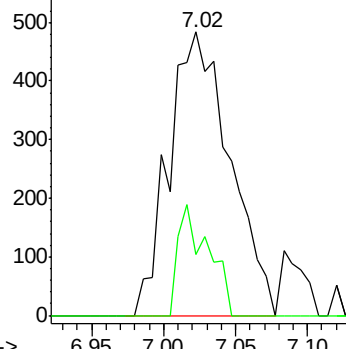
43 100

72 21.7 20.6 31.0

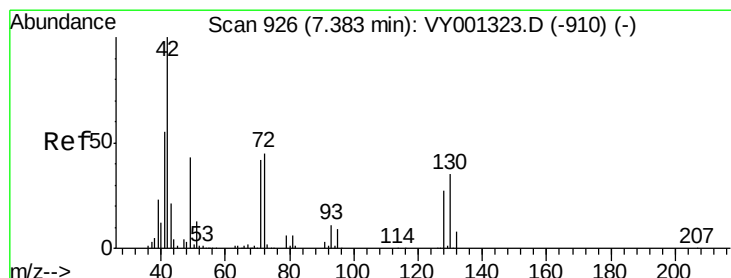
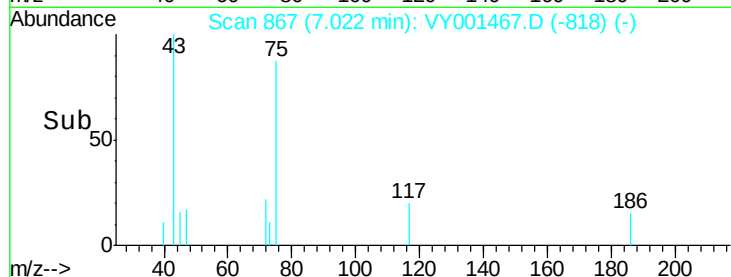


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#29

Tetrahydrofuran

Concen: 1.09 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

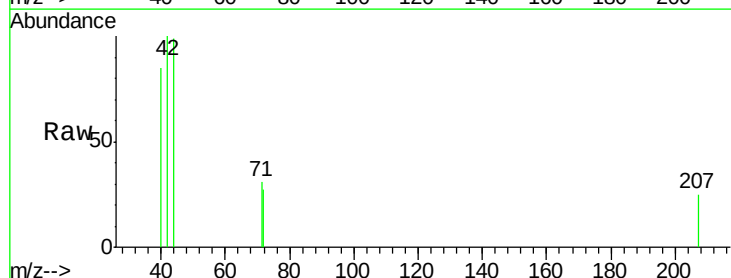
Tgt Ion: 42 Resp: 550

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

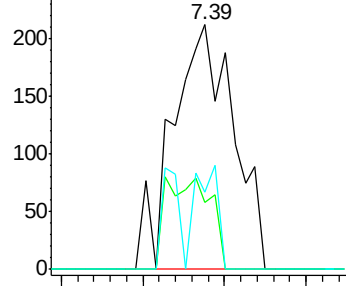
71 15.8 32.6 48.8#



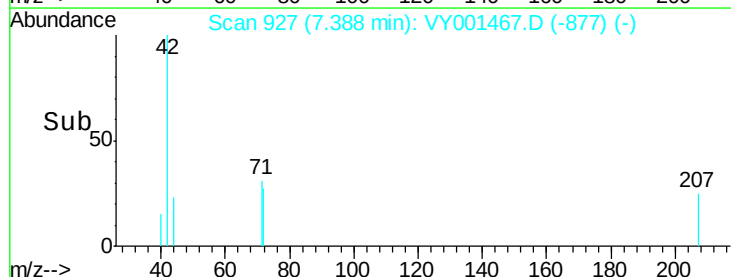
Abundance Ion 42.00 (41.70 to 42.70): VY0

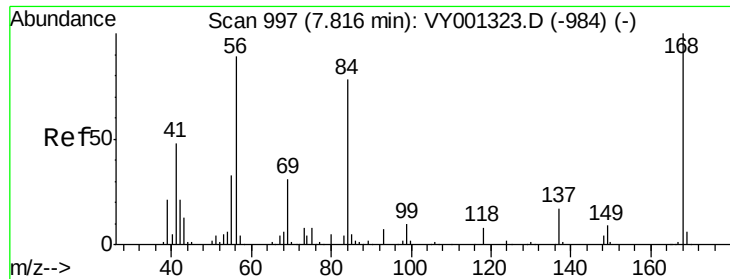
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



Time-->

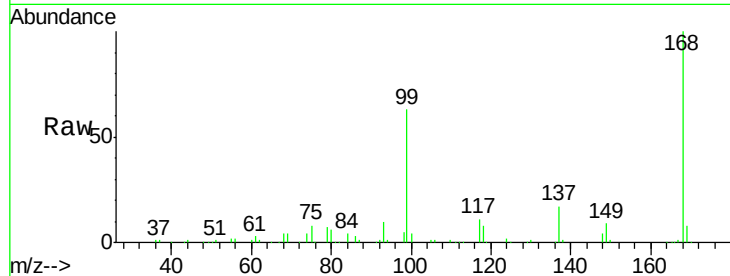




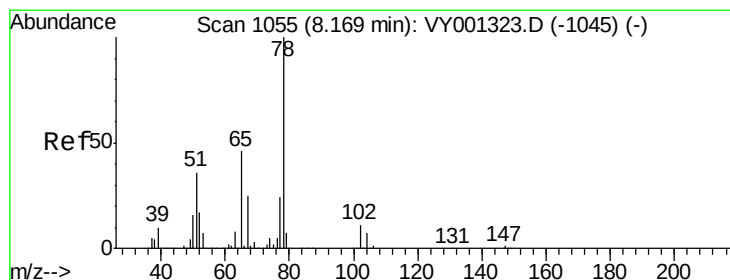
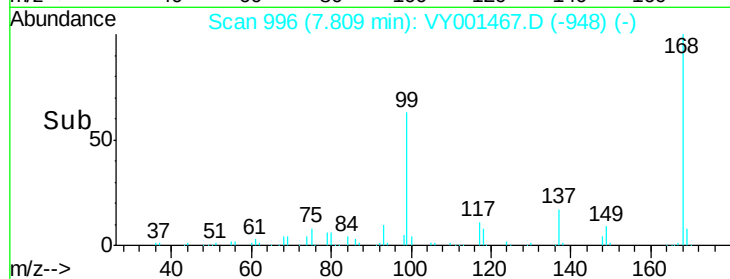
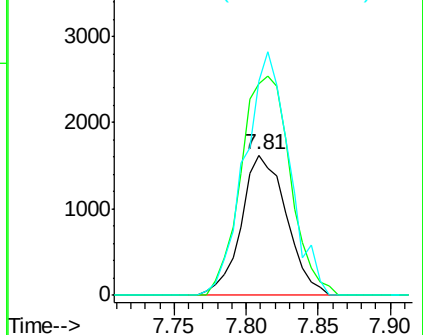
#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.01 min
Lab File: VY001467.D
Acq: 03 Feb 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-01

Tgt Ion: 56 Resp: 3528
Ion Ratio Lower Upper
56 100
69 150.8 27.6 41.4#
84 152.9 69.7 104.5#

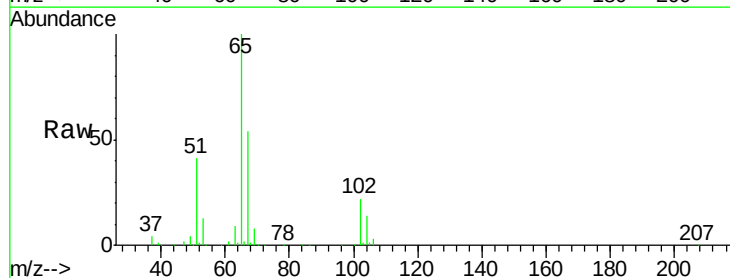


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

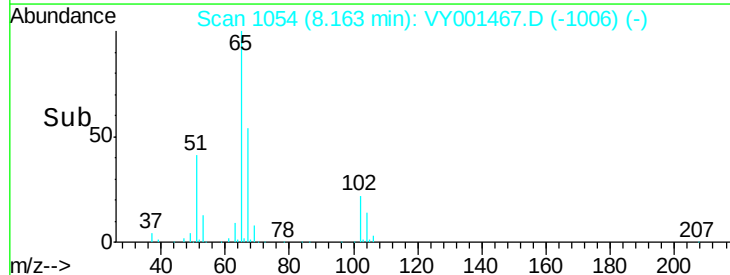
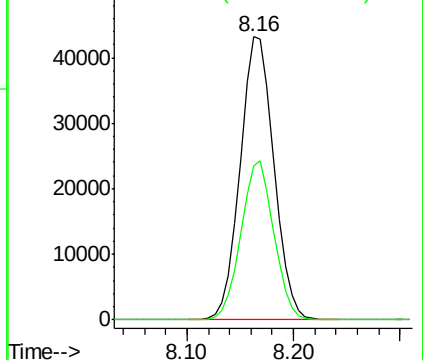


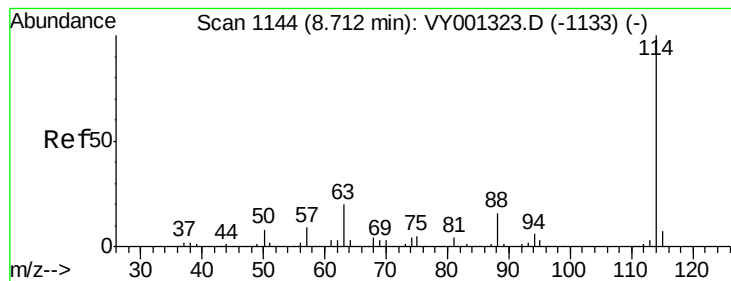
#33
1,2-Dichloroethane-d4
Concen: 54.27 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001467.D
Acq: 03 Feb 2020 12:31

Tgt Ion: 65 Resp: 96415
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-01

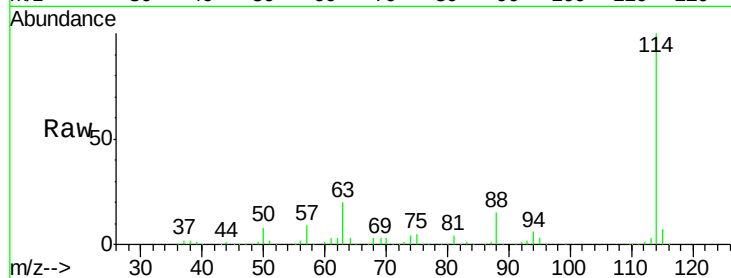
Tgt Ion:114 Resp: 303173

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

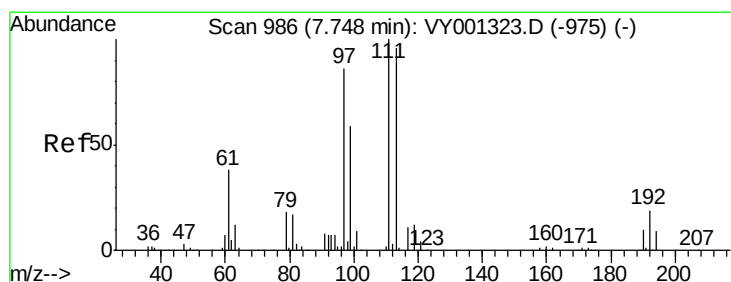
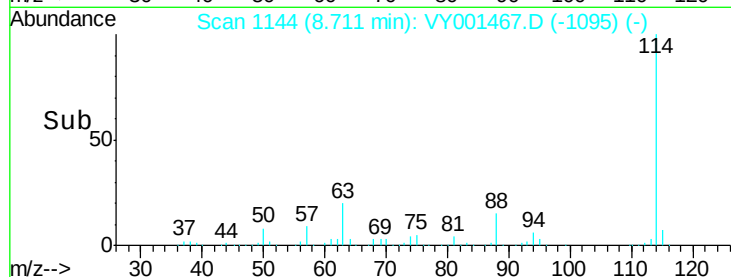
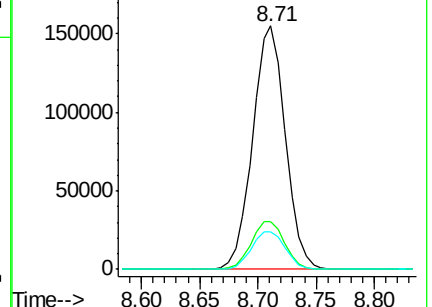
88 15.3 0.0 31.0



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: 49.83 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

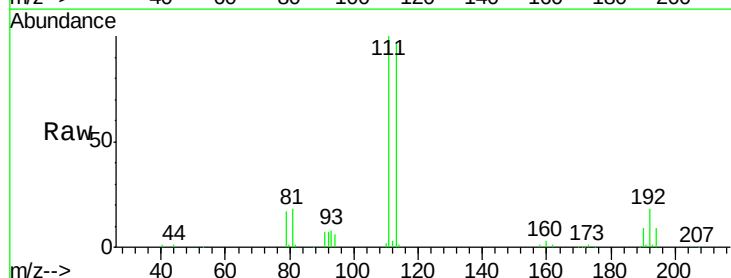
Tgt Ion:113 Resp: 88668

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

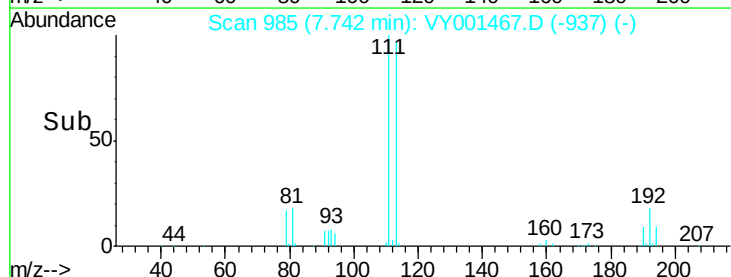
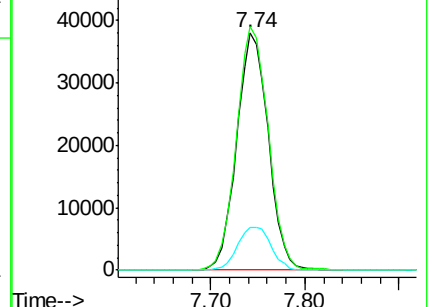
192 19.4 15.5 23.3

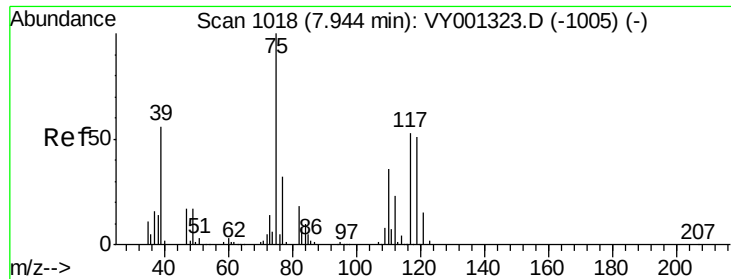


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

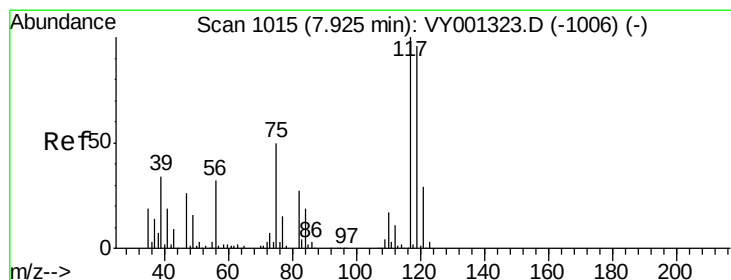
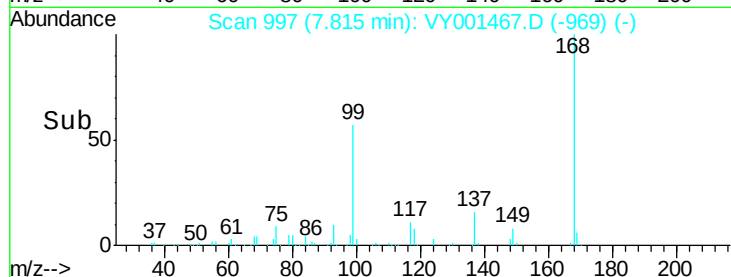
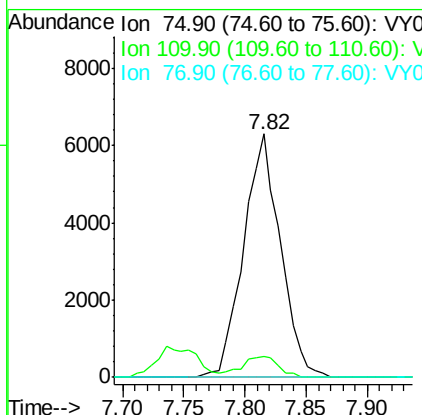
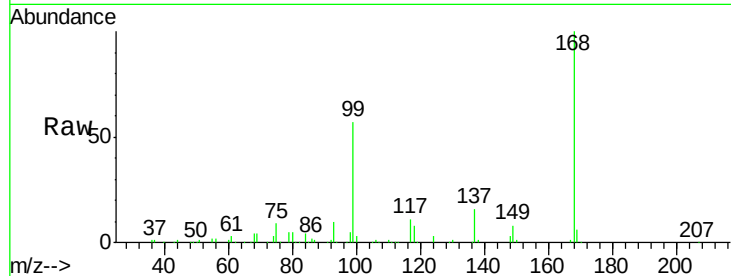




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001467.D
 Acq: 03 Feb 2020 12:31

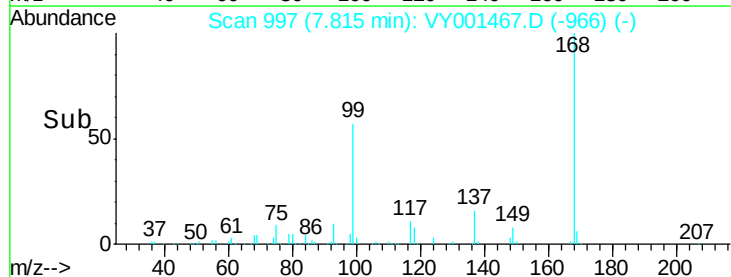
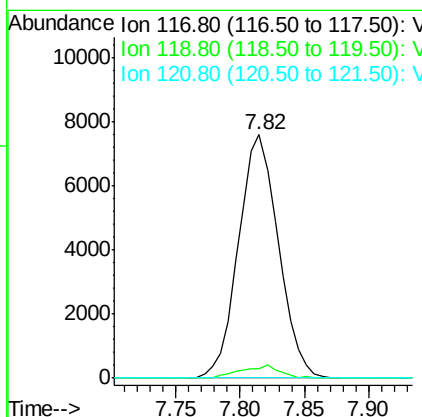
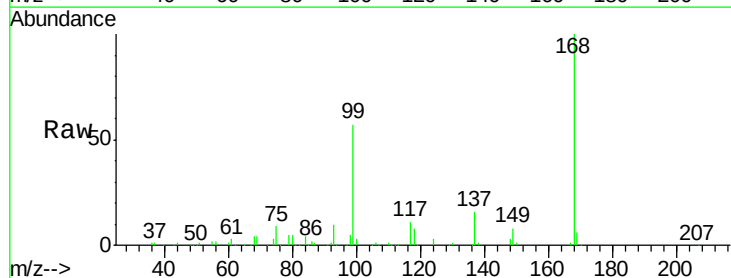
Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-01

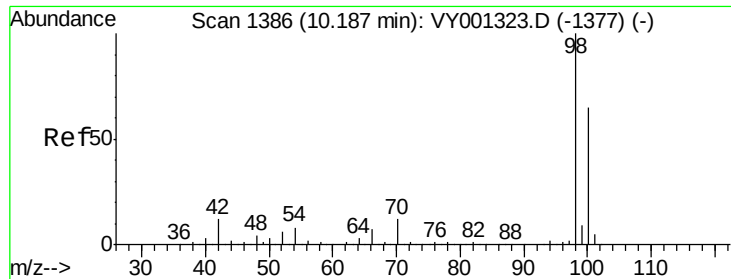
Tgt Ion: 75 Resp: 13206
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.6 52.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.40 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001467.D
 Acq: 03 Feb 2020 12:31

Tgt Ion: 117 Resp: 16328
 Ion Ratio Lower Upper
 117 100
 119 3.7 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.09 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

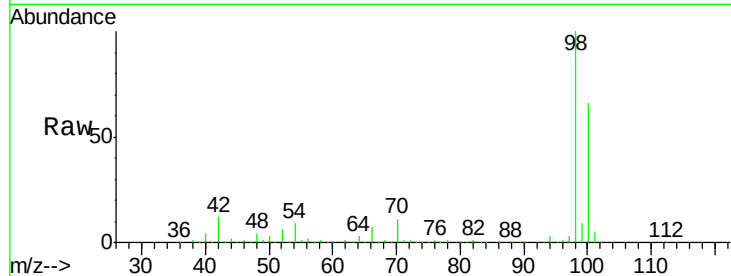
GRAB-01

Tgt Ion: 98 Resp: 360116

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

100000

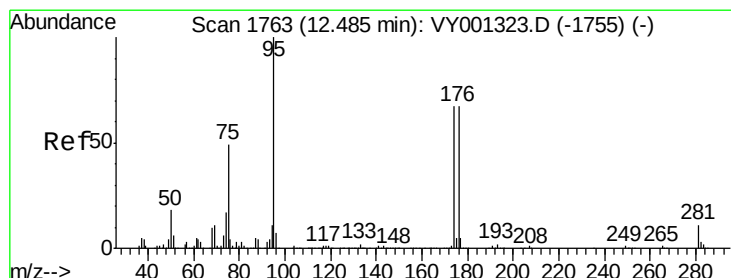
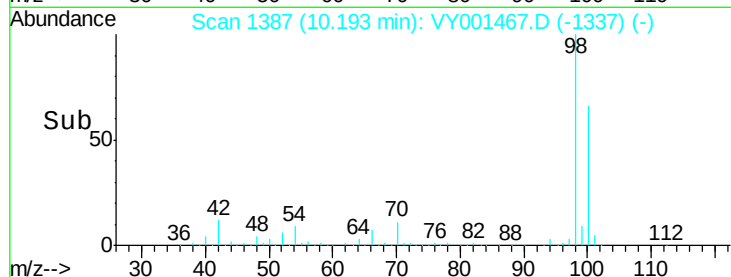
50000

0

10.10

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 45.02 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

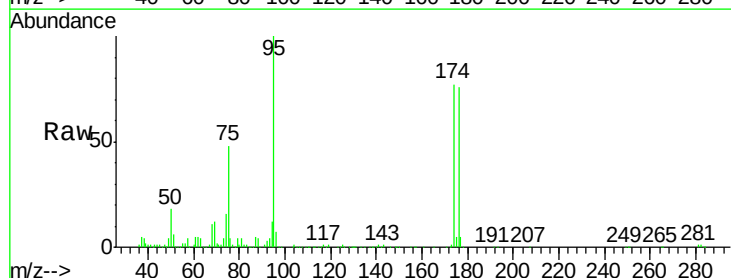
Tgt Ion: 95 Resp: 123954

Ion Ratio Lower Upper

95 100

174 73.7 0.0 142.0

176 71.7 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

40000

20000

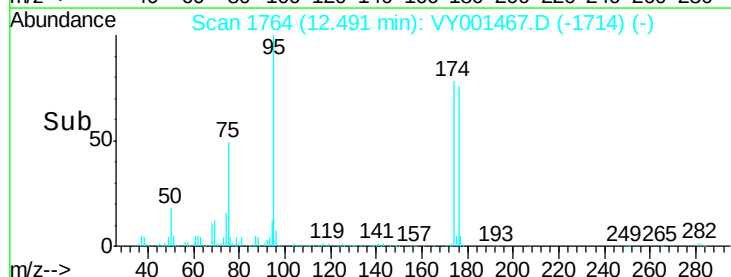
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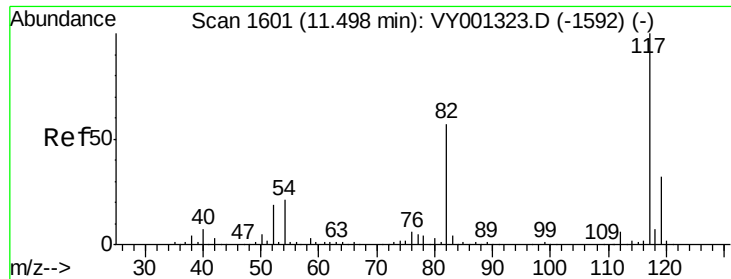
12.45

12.50

12.55

Time-->

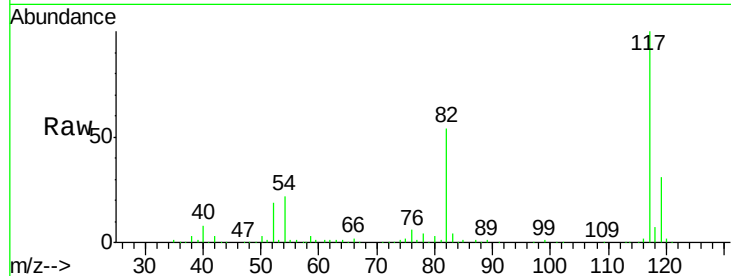




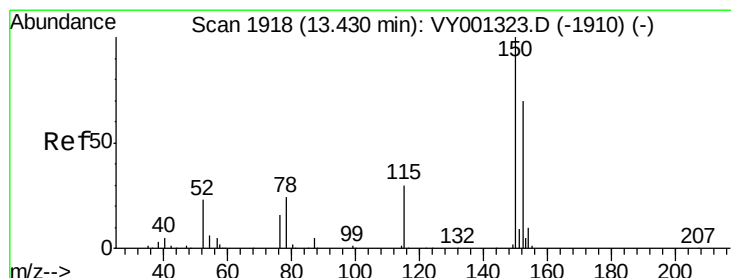
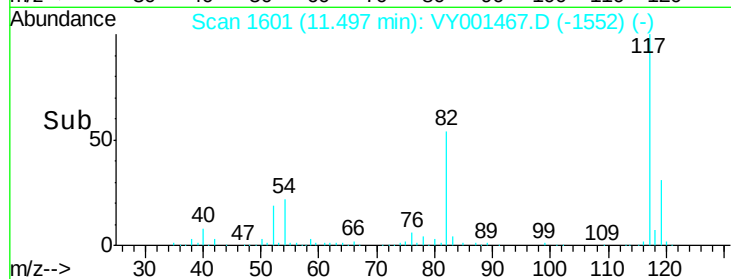
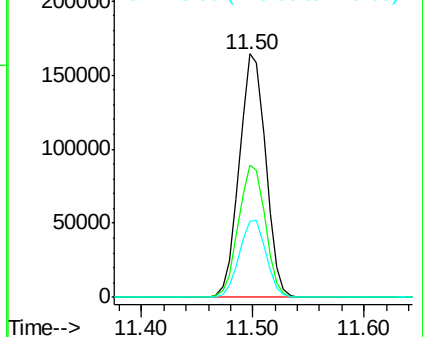
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001467.D
Acq: 03 Feb 2020 12:31

Instrument :
MSVOA_Y
ClientSampled :
GRAB-01

Tgt Ion:117 Resp: 270036
Ion Ratio Lower Upper
117 100
82 54.2 45.5 68.3
119 31.4 25.8 38.6

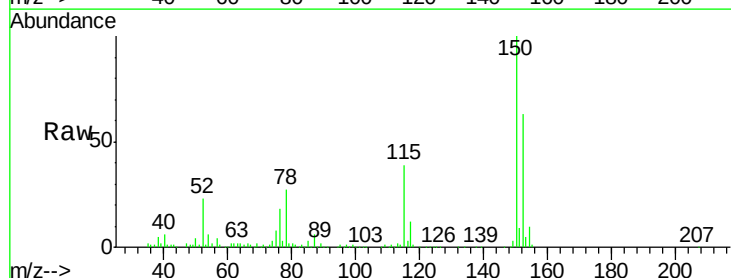


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

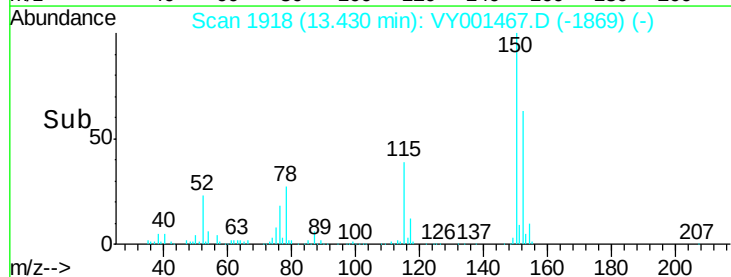
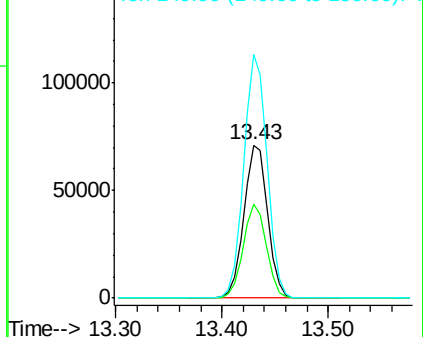


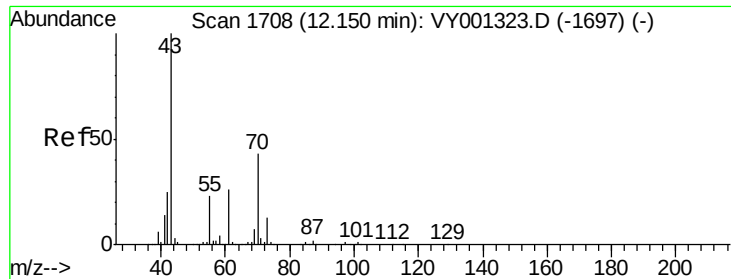
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001467.D
Acq: 03 Feb 2020 12:31

Tgt Ion:152 Resp: 111809
Ion Ratio Lower Upper
152 100
115 59.7 30.9 92.8
150 155.4 0.0 349.2



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





#74

N-amyI acetate

Concen: 2.04 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.02 min

Lab File: VY001467.D

Acq: 03 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-01

Tgt Ion: 43 Resp: 5898

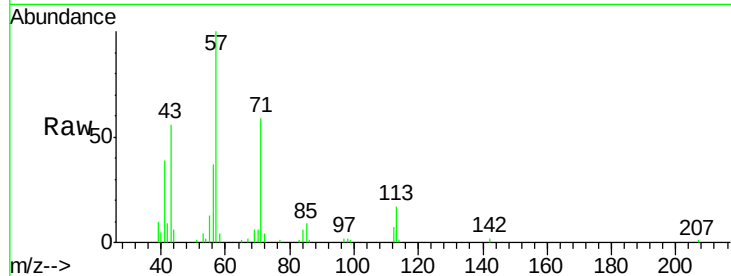
Ion Ratio Lower Upper

43 100

70 0.0 33.5 50.3#

55 9.9 18.2 27.2#

61 0.0 19.6 29.4#

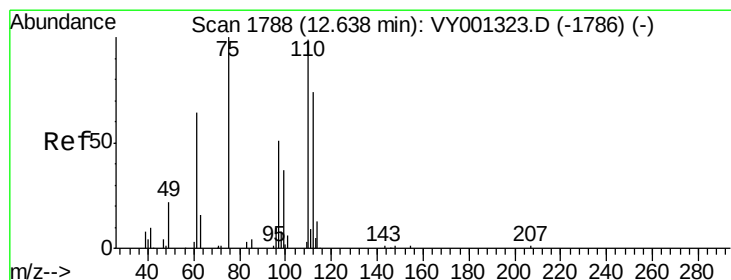
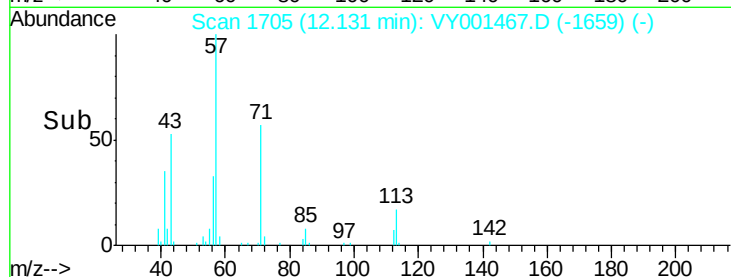
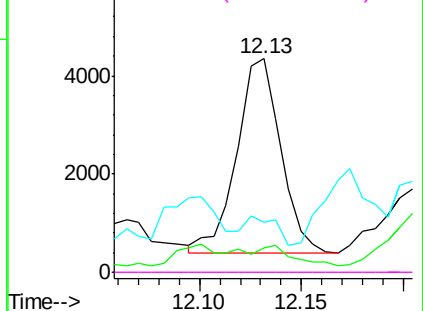


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 45.29 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001467.D

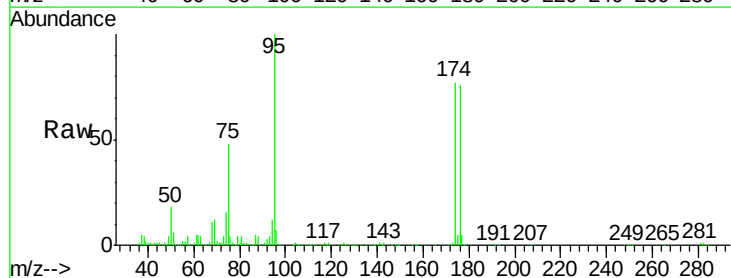
Acq: 03 Feb 2020 12:31

Tgt Ion: 75 Resp: 61014

Ion Ratio Lower Upper

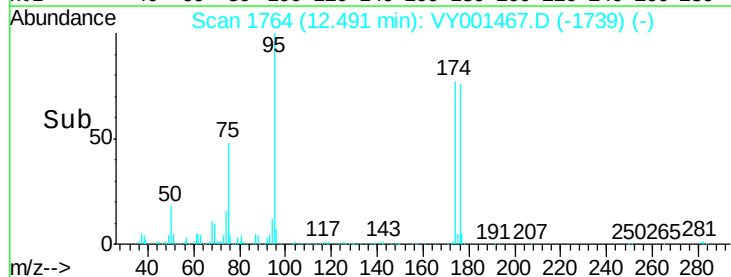
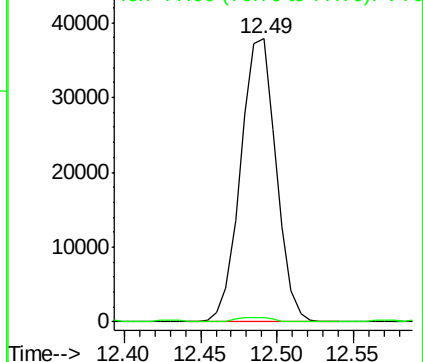
75 100

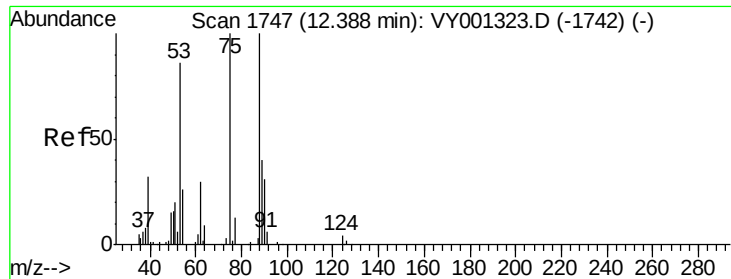
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

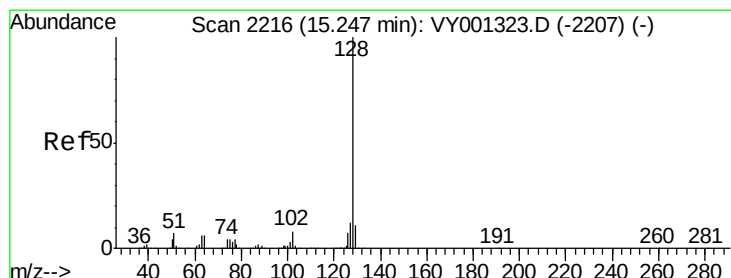
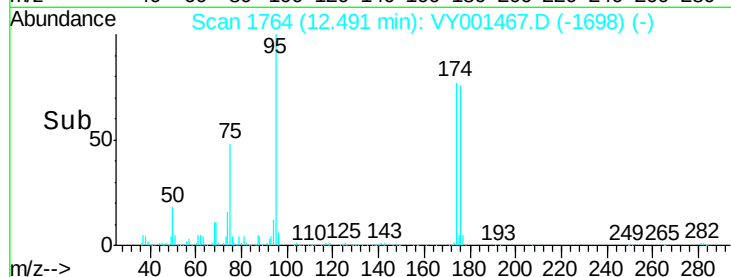
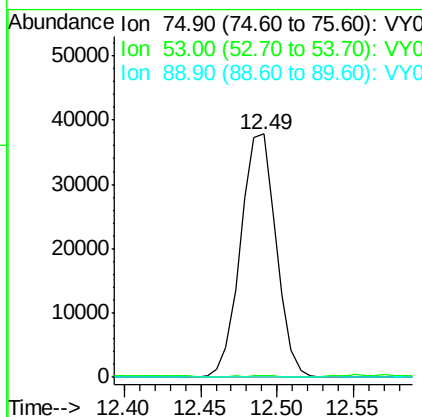
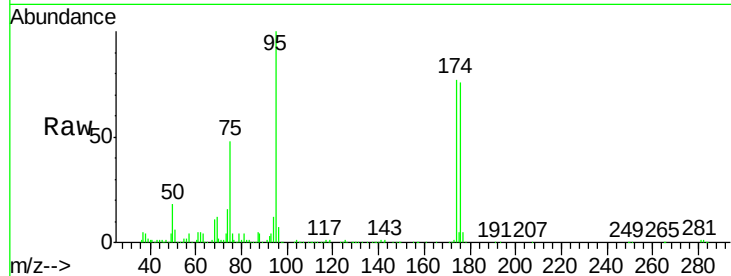




#81
trans-1,4-Dichloro-2-butene
Concen: 85.70 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.10 min
Lab File: VY001467.D
Acq: 03 Feb 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-01

Tgt Ion: 75 Resp: 61014
Ion Ratio Lower Upper
75 100
53 0.6 69.9 104.9#
89 0.2 36.6 54.8#



#95
Naphthalene
Concen: 1.34 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001467.D
Acq: 03 Feb 2020 12:31

Tgt Ion: 128 Resp: 7117
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.2
129 13.8 8.7 13.1#

