

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032720\
 Data File : VY002101.D
 Acq On : 27 Mar 2020 13:39
 Operator : SY/MD
 Sample : L2017-01
 Misc : 6.86G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FE-SB-32-(8.5-9)

Quant Time: Mar 30 03:24:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

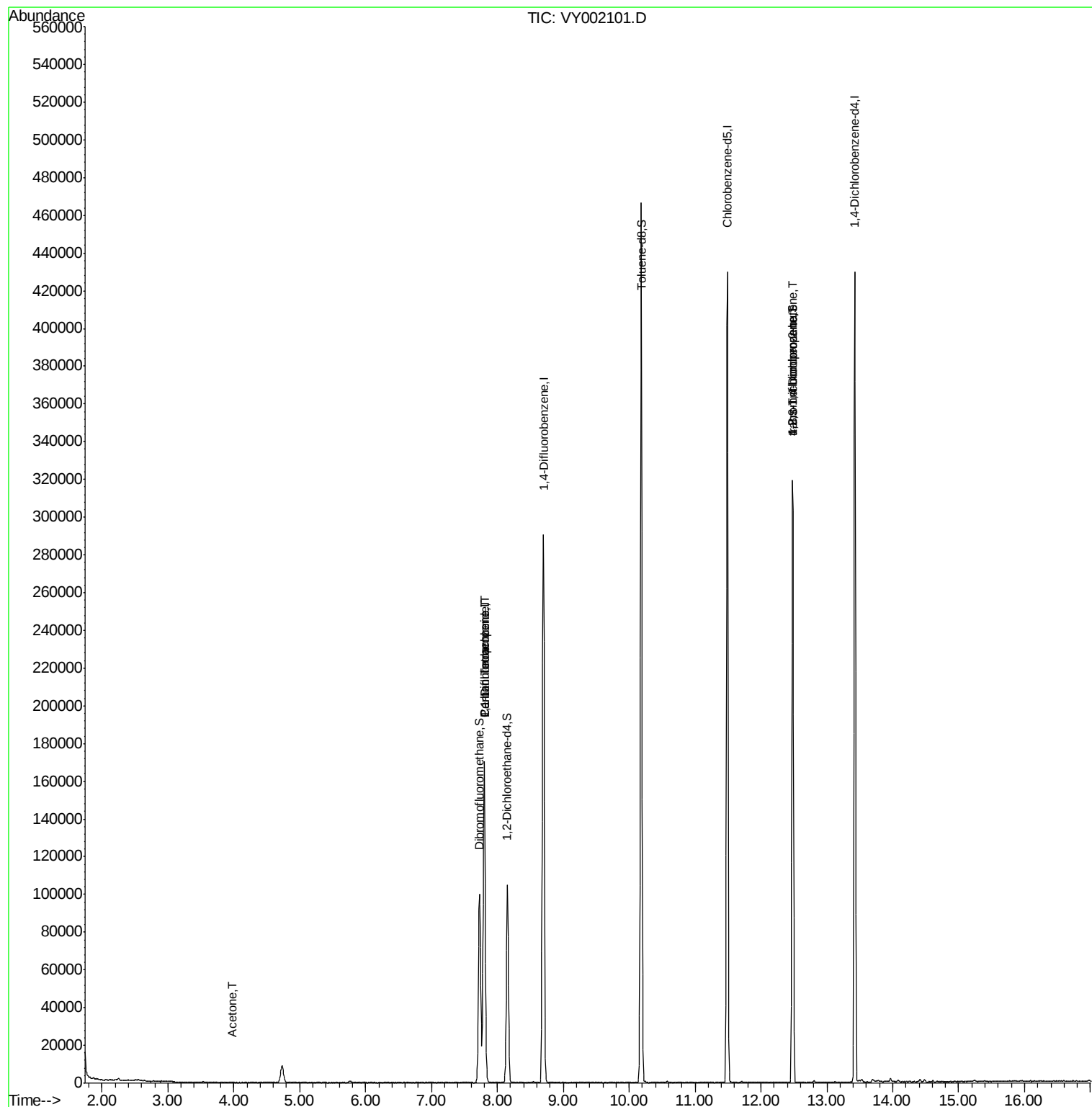
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	124795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	244190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100350	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	78869	57.17	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.34%	
35) Dibromofluoromethane	7.73	113	71198	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
50) Toluene-d8	10.18	98	295290	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.48	95	102806	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
Target Compounds						
2) Dichlorodifluoromethane	1.91	85	19	Below Cal	#	43
16) Acetone	3.97	43	670	1.729	ug/l	96
20) Methylene Chloride	4.73	84	6803	Below Cal		93
36) 1,1-Dichloropropene	7.80	75	10742	4.651	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13065	6.667	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	51887	46.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	51887	89.552	ug/l #	17

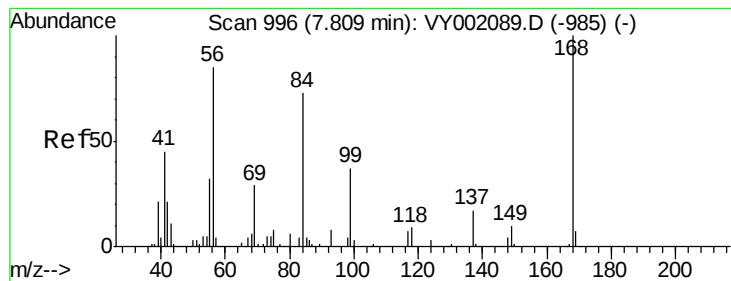
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 07:11:05 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

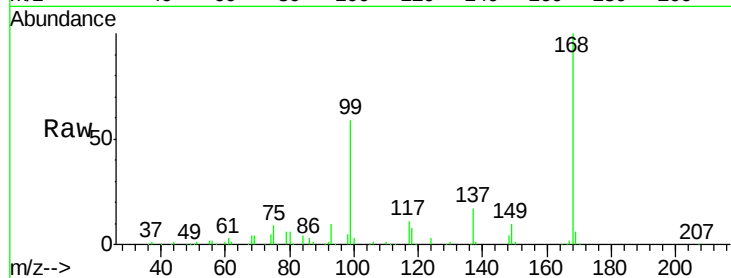
FE-SB-32-(8.5-9)

Tgt Ion:168 Resp: 124795

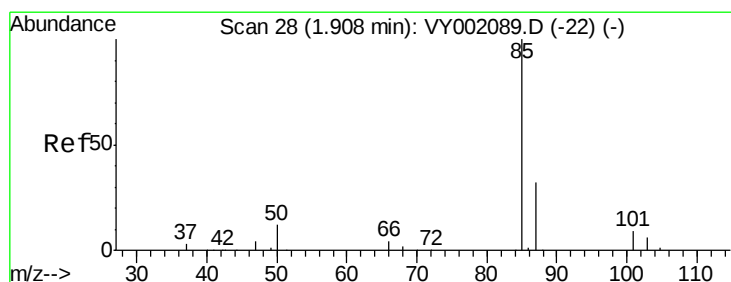
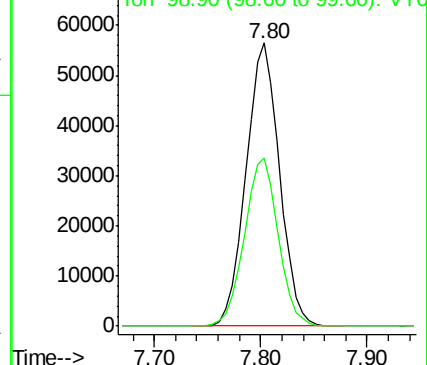
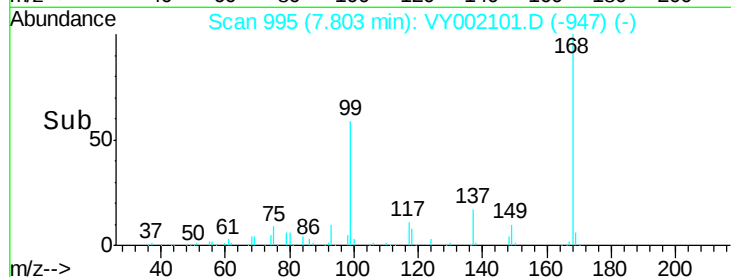
Ion Ratio Lower Upper

168 100

99 59.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002101.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002101.D

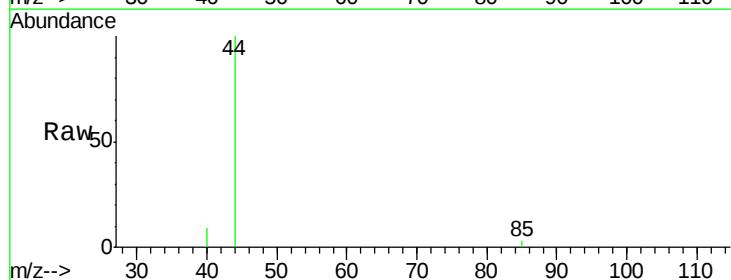
Acq: 27 Mar 2020 13:39

Tgt Ion: 85 Resp: 19

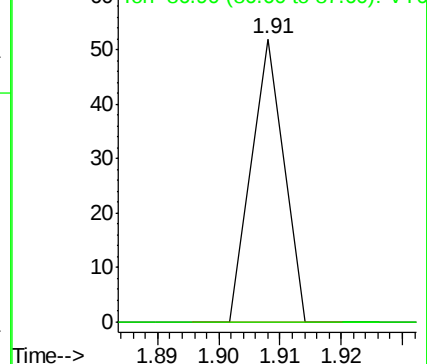
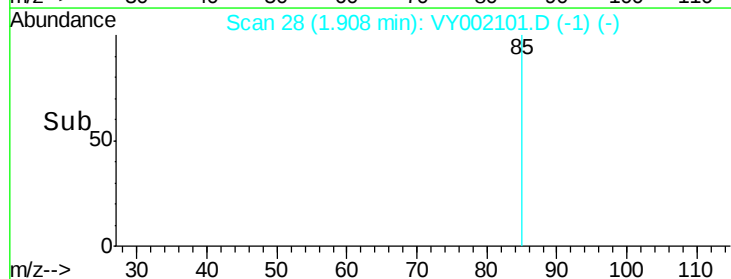
Ion Ratio Lower Upper

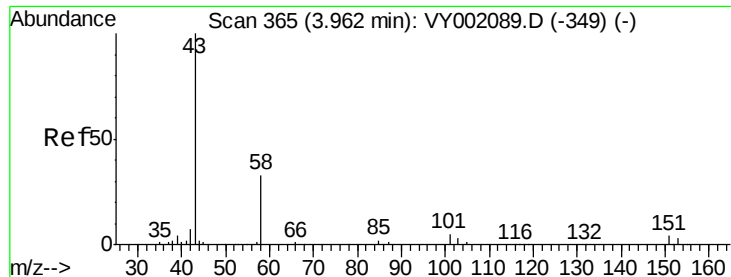
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002101.D (-1) (-)





#16

Acetone

Concen: 1.729 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

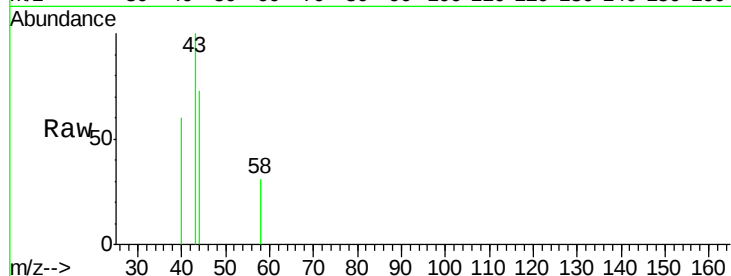
FE-SB-32-(8.5-9)

Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

43 100

58 30.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002101.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002101.D (-316) (-)

3.97

300

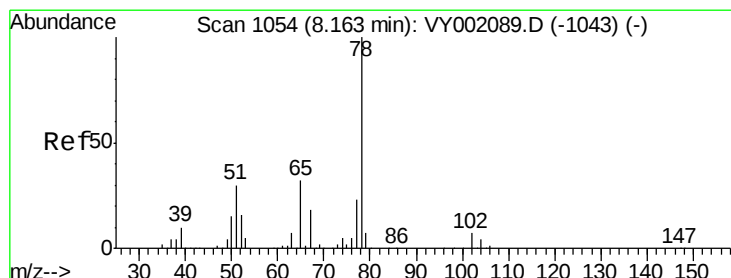
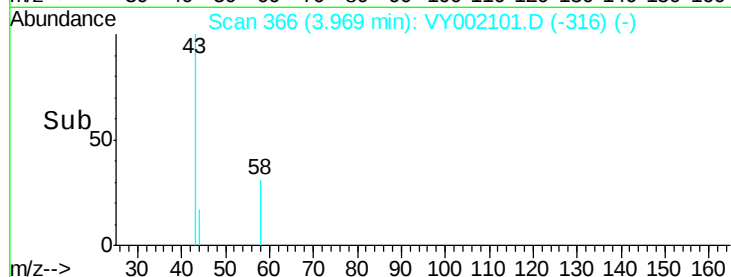
200

100

0

Time-->

3.90 3.95 4.00



#33

1,2-Dichloroethane-d4

Concen: 57.169 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002101.D

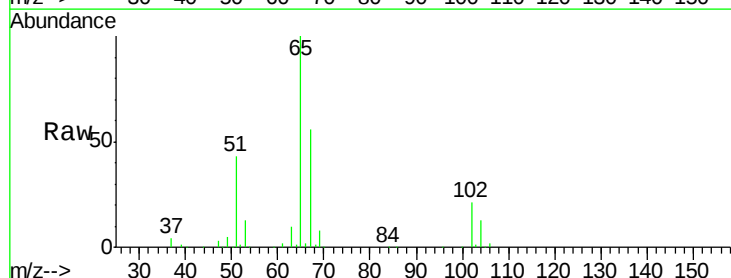
Acq: 27 Mar 2020 13:39

Tgt Ion: 65 Resp: 78869

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002101.D (-1005) (-)

Ion 66.90 (66.60 to 67.60): VY002101.D (-1005) (-)

8.15

40000

30000

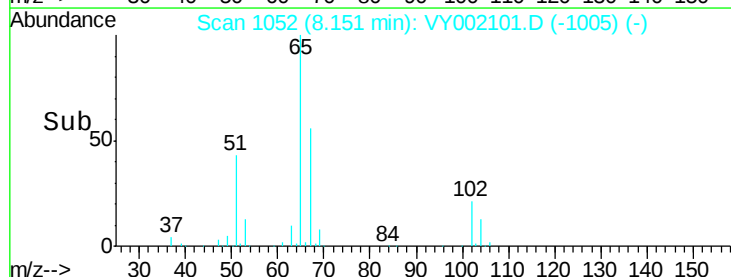
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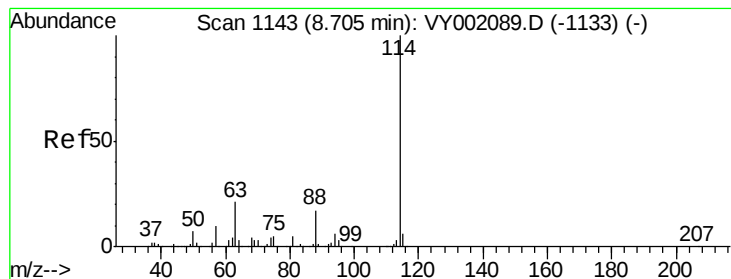
10000

0

Time-->

8.10 8.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

FE-SB-32-(8.5-9)

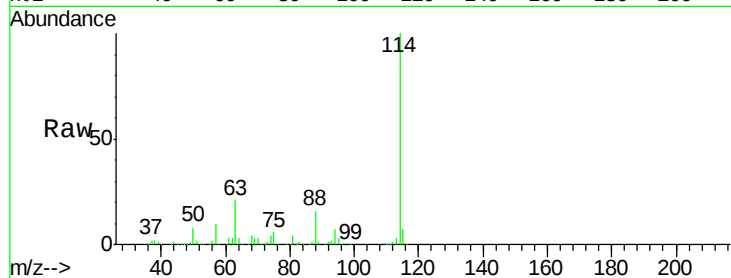
Tgt Ion:114 Resp: 244190

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.4

88 16.0 0.0 33.0



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

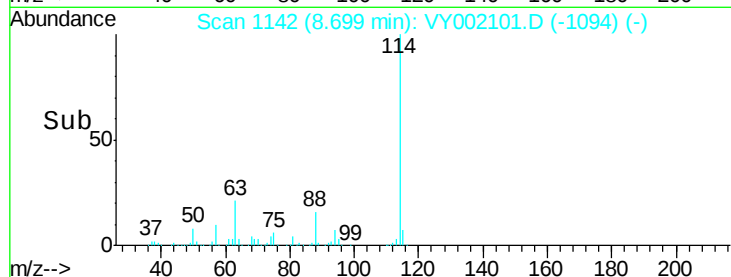
150000

100000

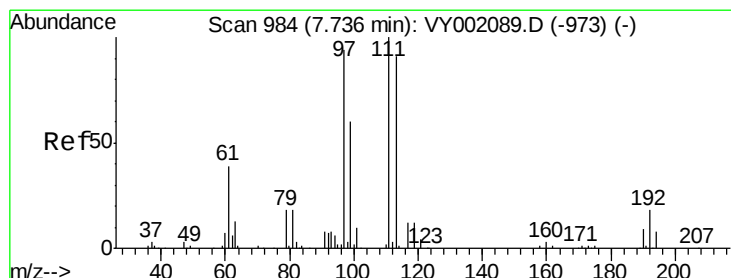
50000

0

8.60 8.70 8.80



Time-->



#35

Dibromofluoromethane

Concen: 52.036 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

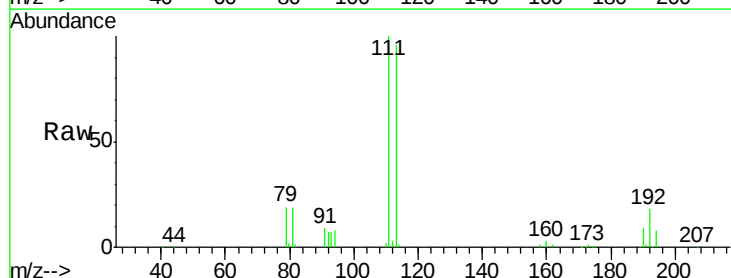
Tgt Ion:113 Resp: 71198

Ion Ratio Lower Upper

113 100

111 104.5 84.4 126.6

192 18.2 14.6 21.8



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

40000

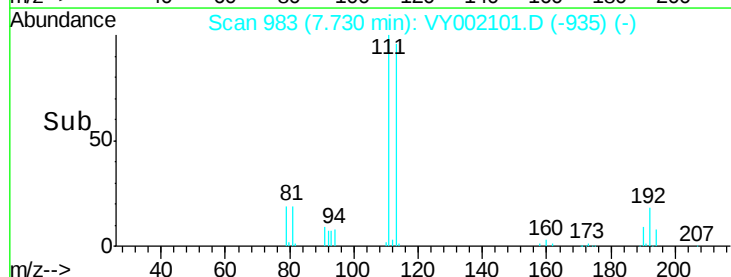
30000

20000

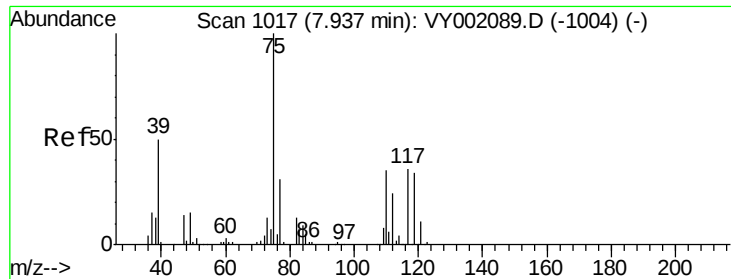
10000

0

7.60 7.65 7.70 7.75 7.80



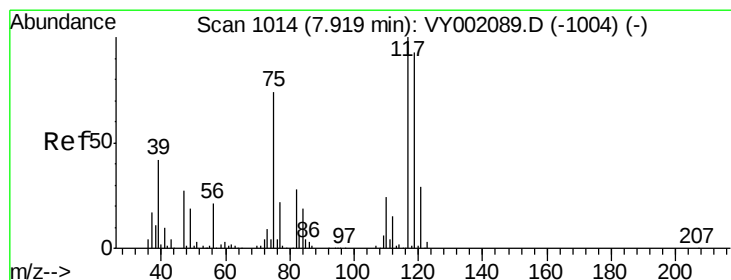
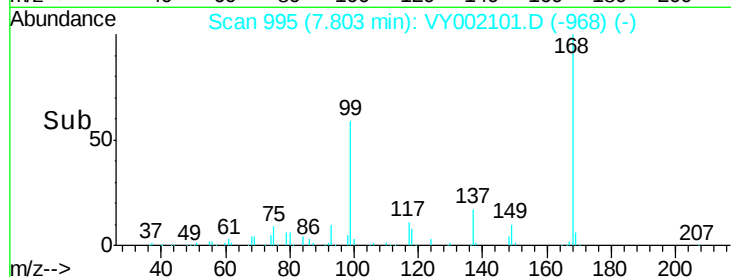
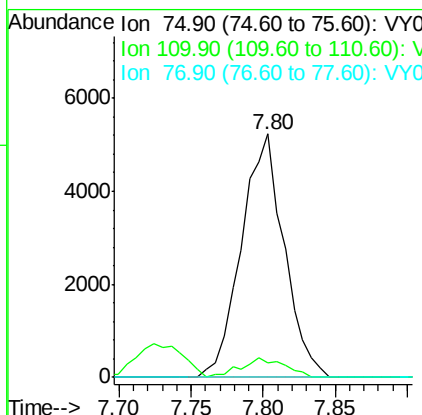
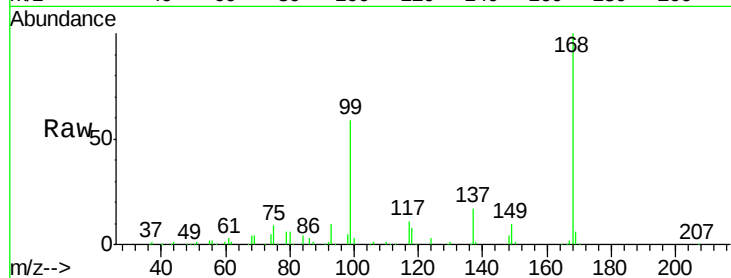
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.651 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002101.D
 Acq: 27 Mar 2020 13:39

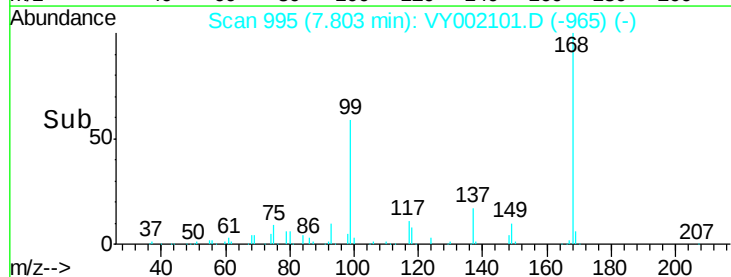
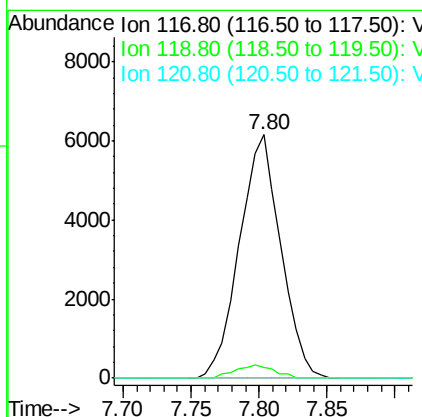
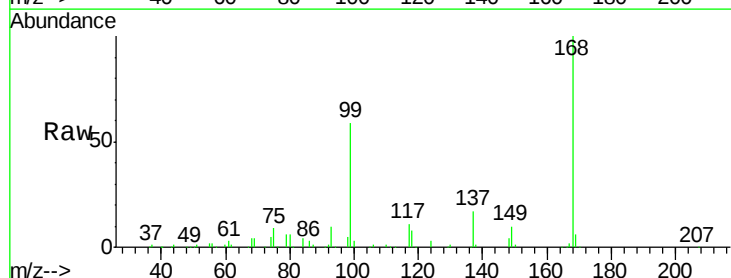
Instrument :
 MSVOA_Y
 ClientSampled :
 FE-SB-32-(8.5-9)

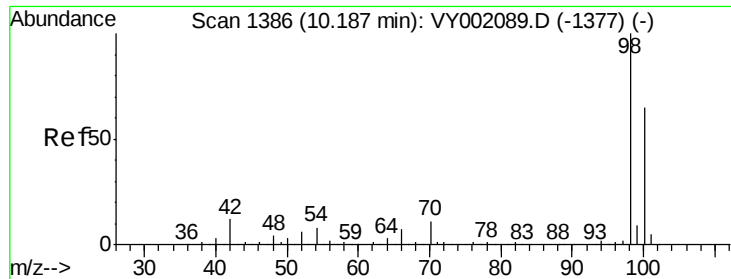
Tgt Ion: 75 Resp: 10742
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.2 51.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.667 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002101.D
 Acq: 27 Mar 2020 13:39

Tgt Ion: 117 Resp: 13065
 Ion Ratio Lower Upper
 117 100
 119 4.5 74.3 111.5#
 121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 51.951 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

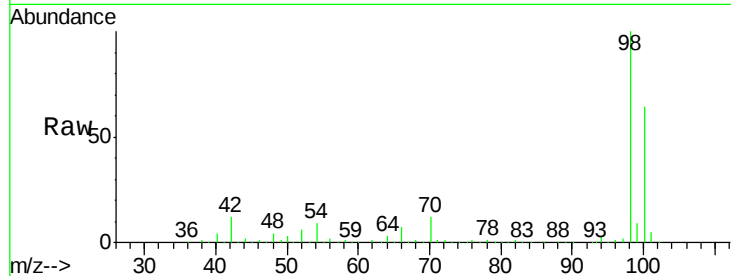
FE-SB-32-(8.5-9)

Tgt Ion: 98 Resp: 295290

Ion Ratio Lower Upper

98 100

100 66.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

200000

150000

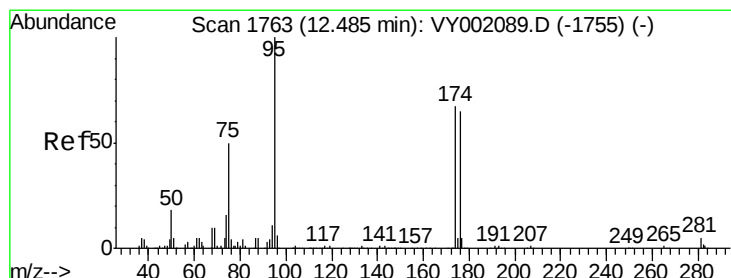
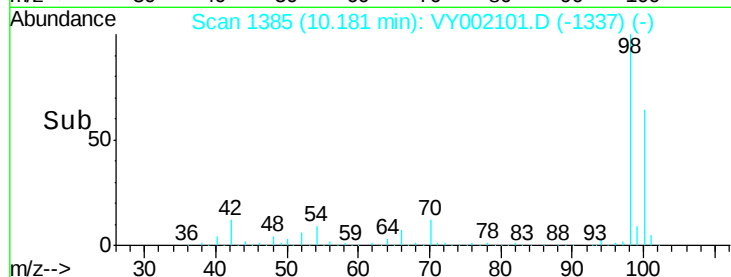
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 51.717 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

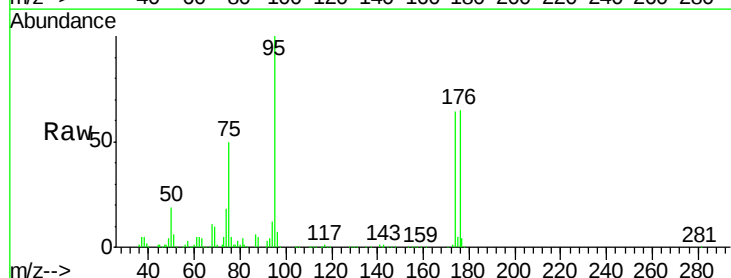
Tgt Ion: 95 Resp: 102806

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

176 69.6 0.0 137.0



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

80000

60000

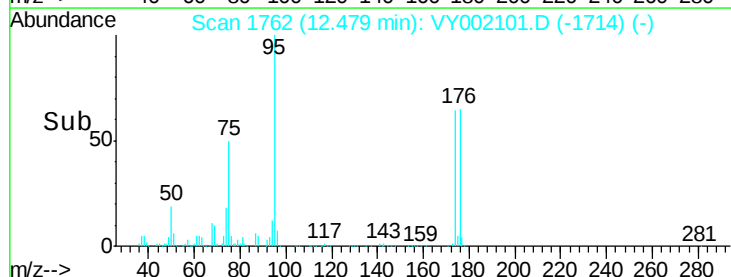
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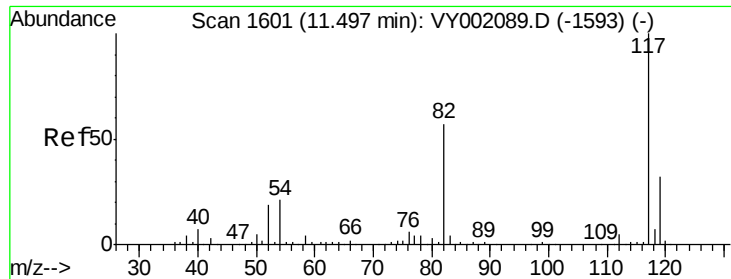
20000

0

12.40 12.45 12.50 12.55

Time-->

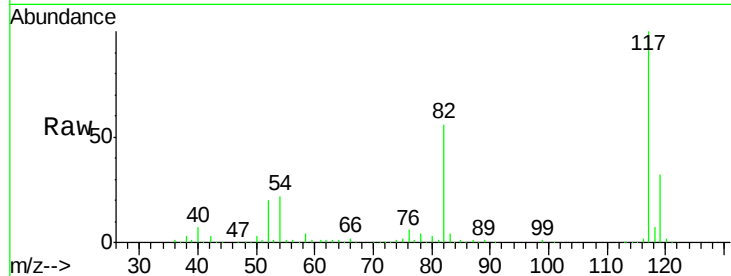




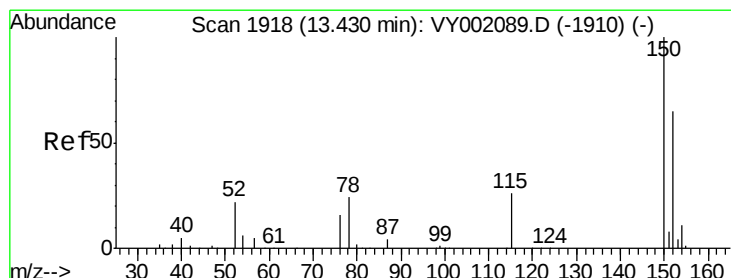
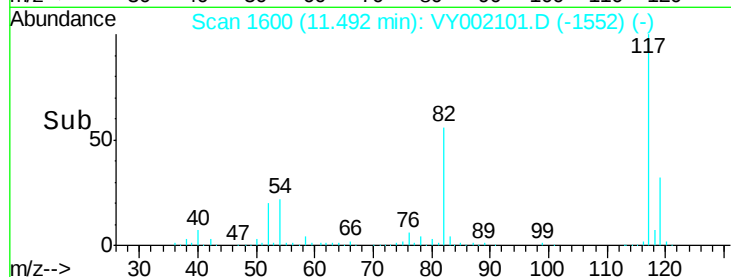
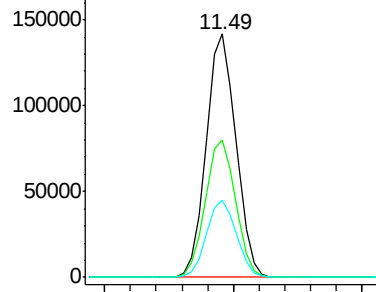
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002101.D
Acq: 27 Mar 2020 13:39

Instrument :
MSVOA_Y
ClientSampleId :
FE-SB-32-(8.5-9)

Tgt Ion:117 Resp: 226826
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.2
119 31.6 25.3 37.9

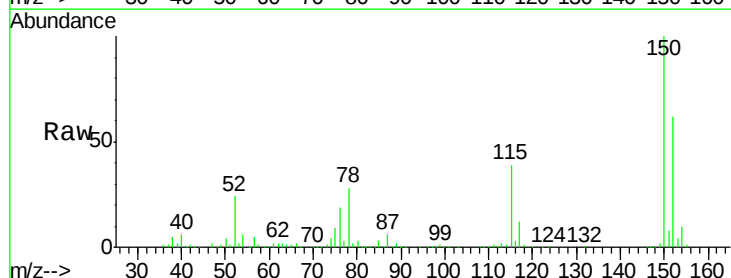


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

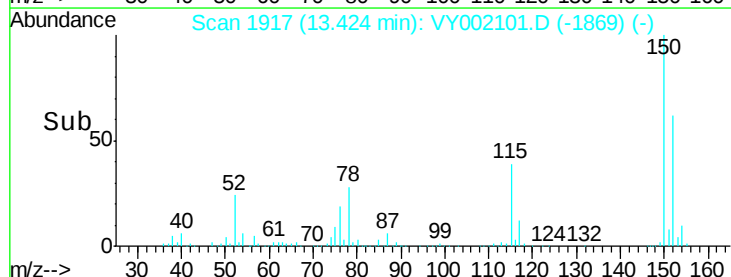
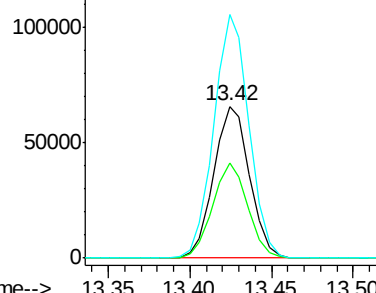


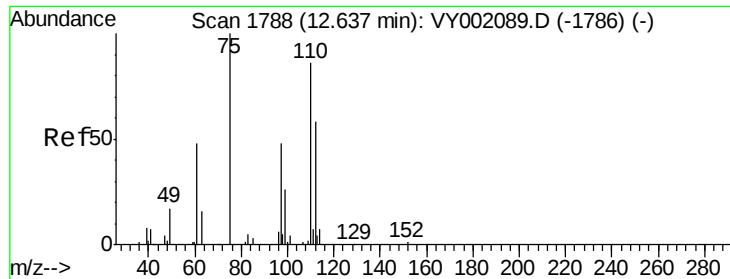
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002101.D
Acq: 27 Mar 2020 13:39

Tgt Ion:152 Resp: 100350
Ion Ratio Lower Upper
152 100
115 61.1 31.2 93.6
150 157.1 0.0 354.8



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: 46.224 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

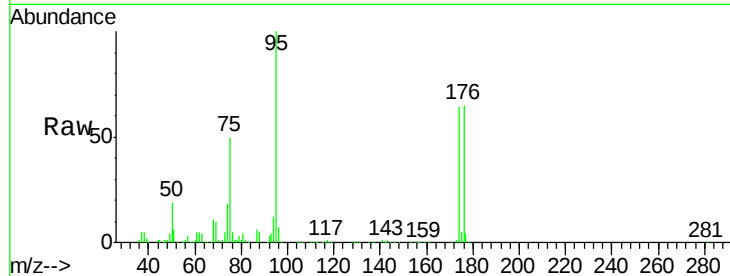
FE-SB-32-(8.5-9)

Tgt Ion: 75 Resp: 51887

Ion Ratio Lower Upper

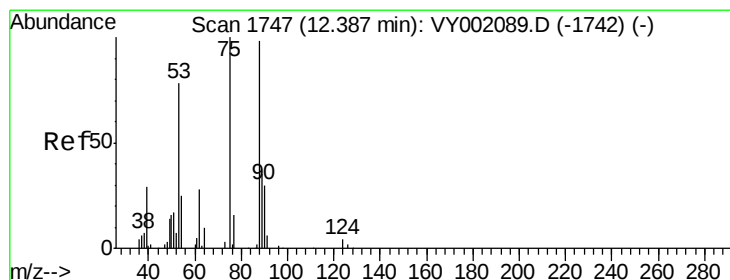
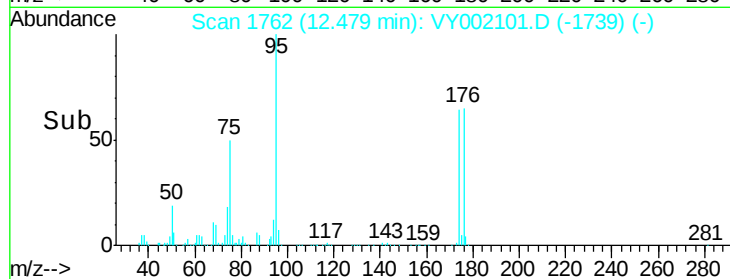
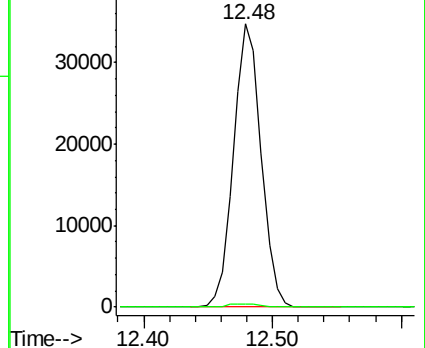
75 100

77 1.3 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: 89.552 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002101.D

Acq: 27 Mar 2020 13:39

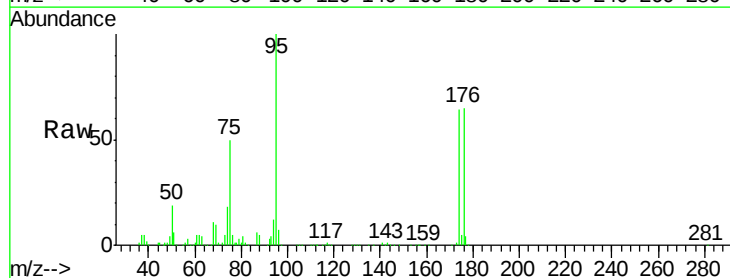
Tgt Ion: 75 Resp: 51887

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.2 33.4 50.0#



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

