

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002167.D
 Acq On : 01 Apr 2020 16:49
 Operator : SY/MD
 Sample : 12108-05RE
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:23:49 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	7.82	168	82883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	156232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	142159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	62493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	49590	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	7.74	113	45897	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.19	98	188833	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.49	95	61379	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

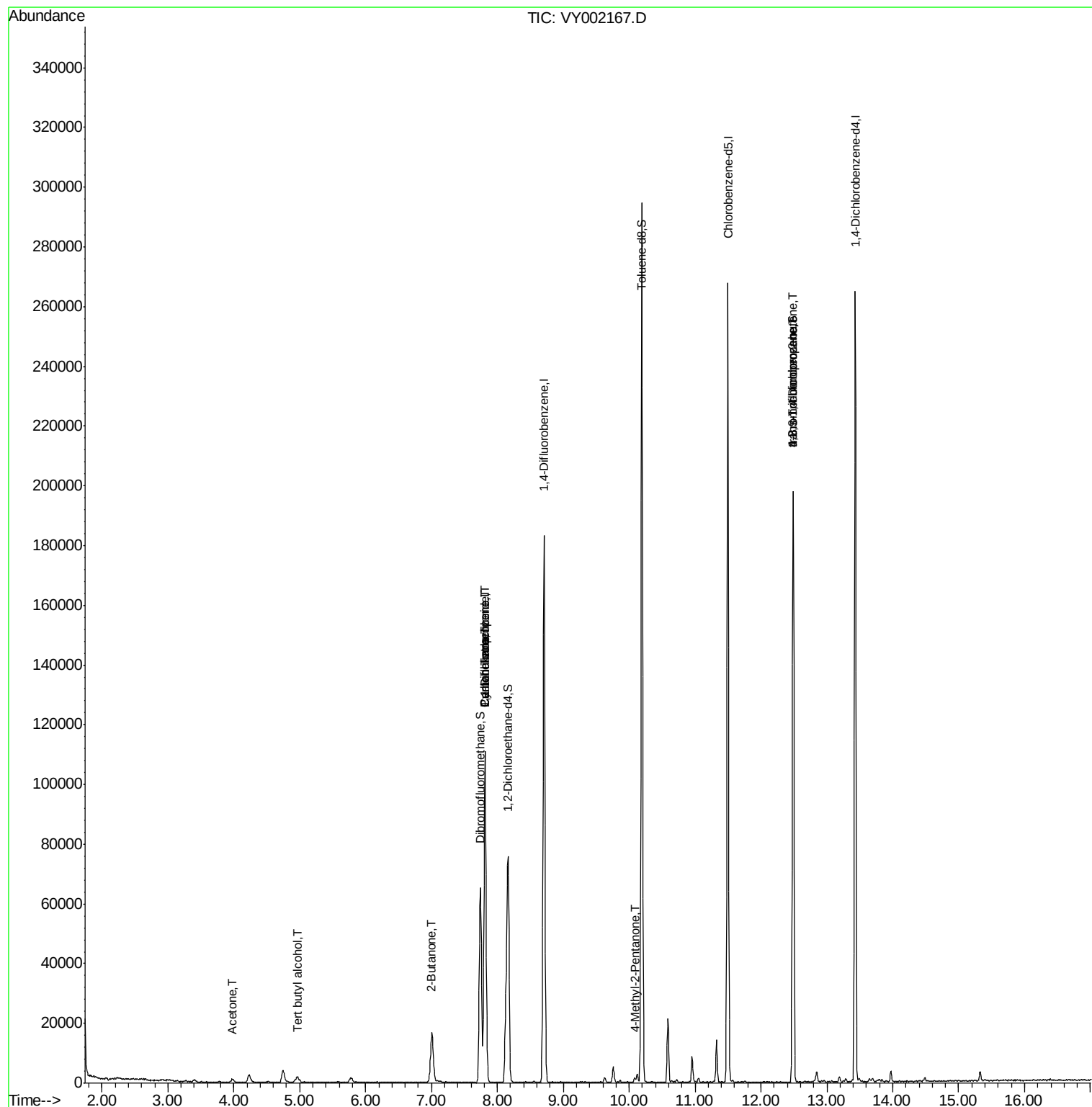
					Qvalue
2) Dichlorodifluoromethane	1.91	85	149	Below Cal	# 43
11) Tert butyl alcohol	4.96	59	2555	23.663 ug/l	# 74
16) Acetone	3.97	43	2467	9.584 ug/l	# 87
20) Methylene Chloride	4.75	84	3188	Below Cal	95
25) 2-Butanone	6.99	43	581	1.470 ug/l	# 50
31) Cyclohexane	7.81	56	1948	1.020 ug/l	# 1
36) 1,1-Dichloropropene	7.81	75	7597	5.141 ug/l	# 49
38) Carbon Tetrachloride	7.81	117	8445	6.736 ug/l	# 17
51) 4-Methyl-2-Pentanone	10.08	43	1170	1.371 ug/l	# 74
76) 1,2,3-Trichloropropane	12.49	75	32215	46.085 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	32215	89.282 ug/l	# 17

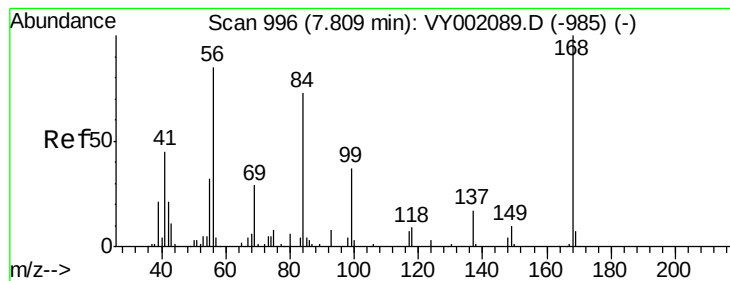
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

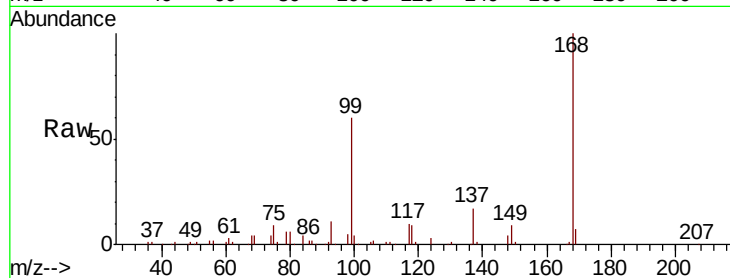
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 82883

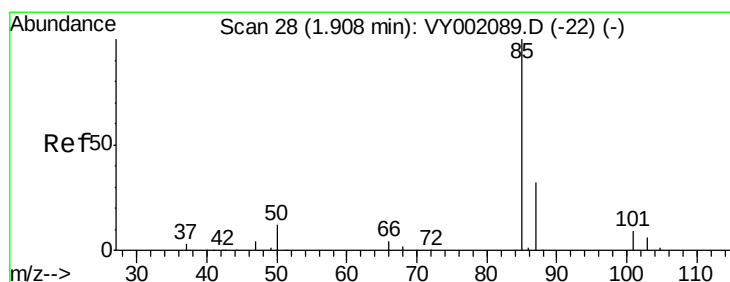
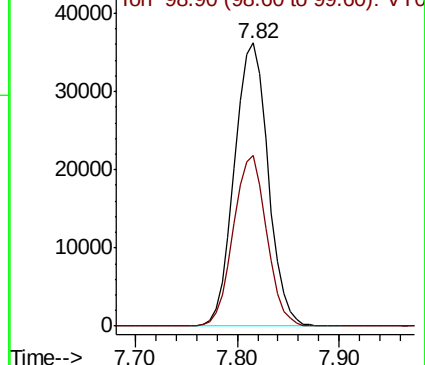
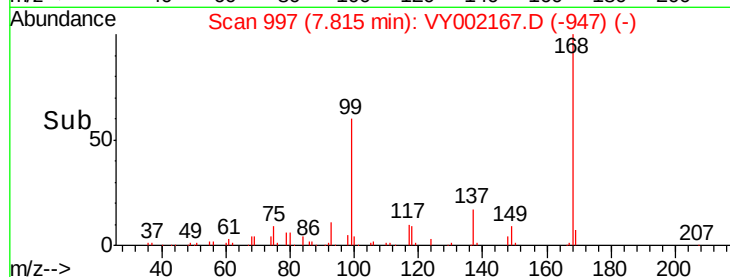
Ion Ratio Lower Upper

168 100

99 60.5 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002167.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002167.D

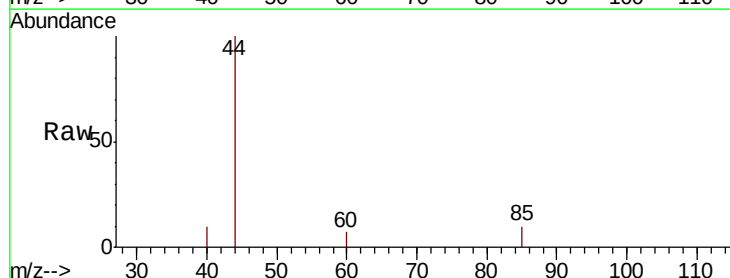
Acq: 01 Apr 2020 16:49

Tgt Ion: 85 Resp: 149

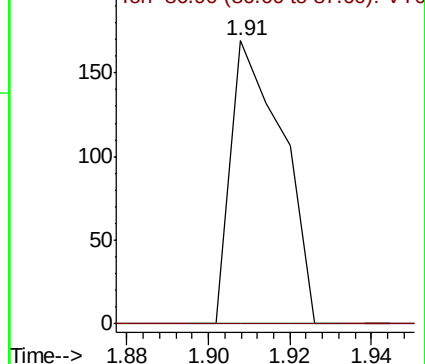
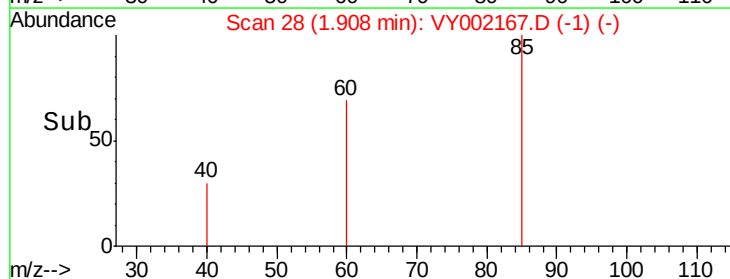
Ion Ratio Lower Upper

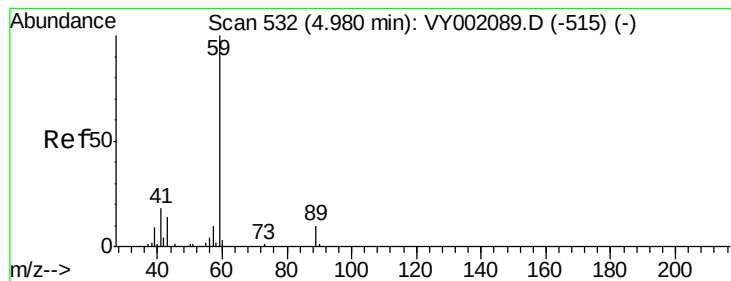
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002167.D (-1) (-)



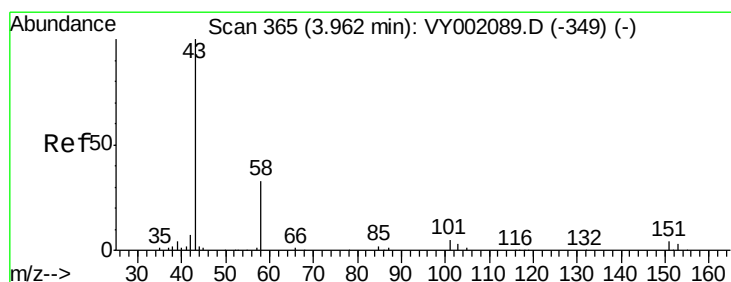
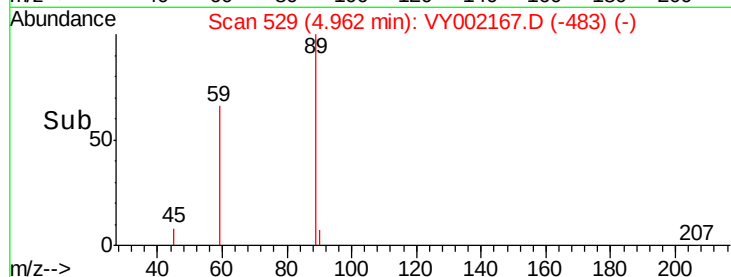
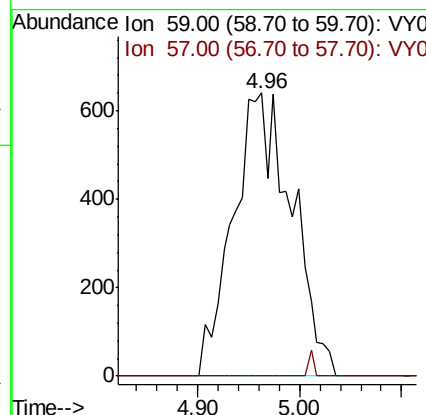
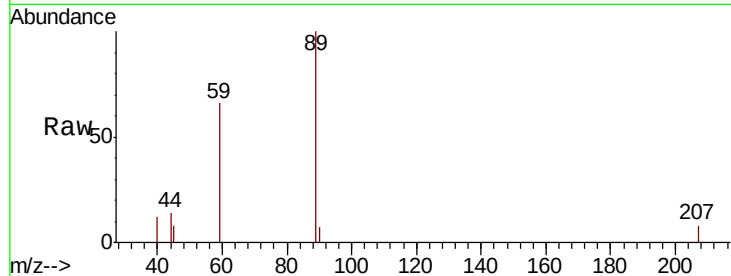


#11

Tert butyl alcohol
 Concen: 23.663 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: VY002167.D
 Acq: 01 Apr 2020 16:49

Instrument :
 MSVOA_Y
 ClientSampleId :

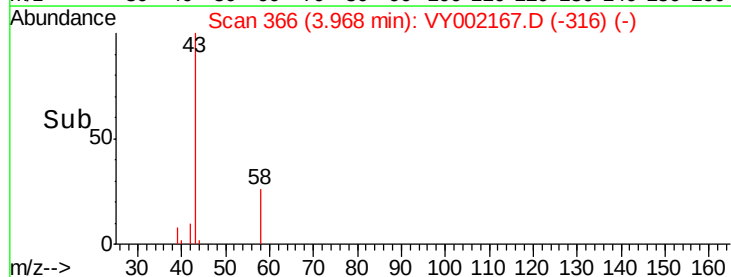
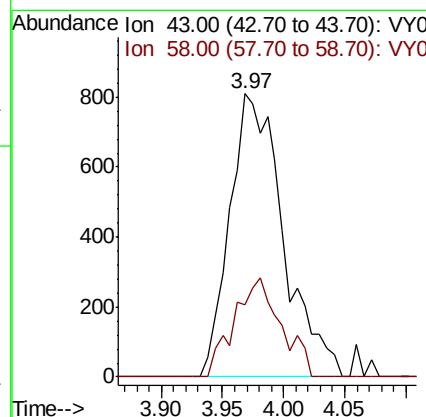
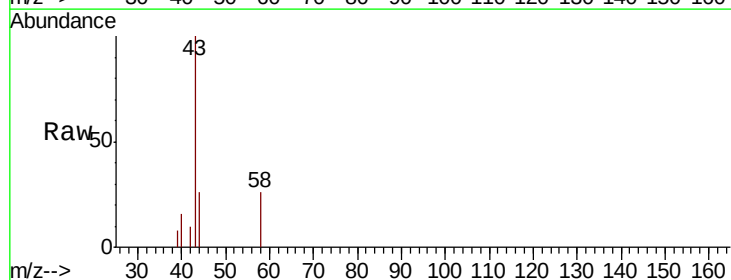
Tot Ion: 59 Resp: 2555
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

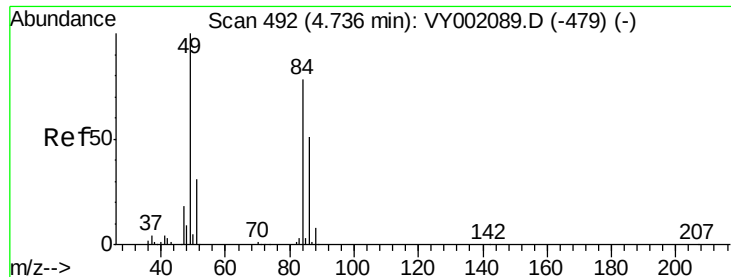


#16

Acetone
 Concen: 9.584 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002167.D
 Acq: 01 Apr 2020 16:49

Tgt Ion: 43 Resp: 2467
 Ion Ratio Lower Upper
 43 100
 58 25.7 26.3 39.5#

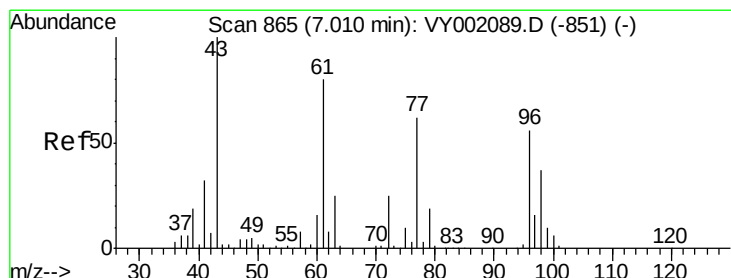
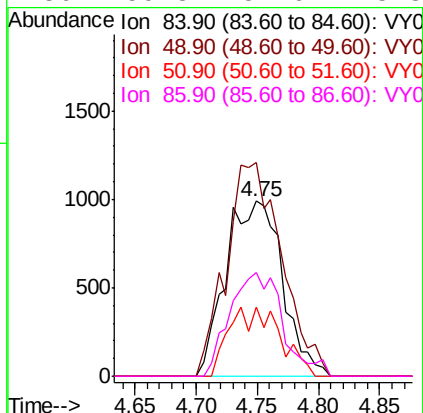
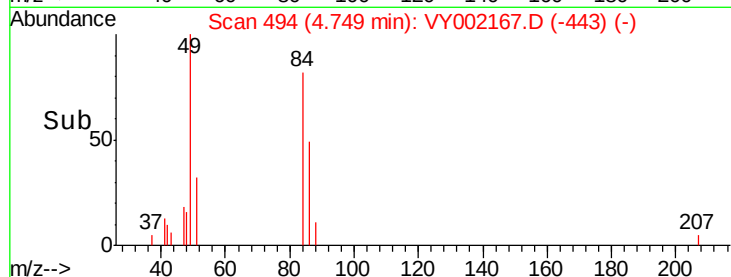
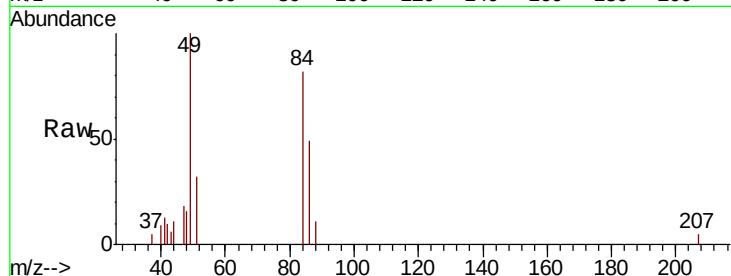




#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002167.D
Acq: 01 Apr 2020 16:49

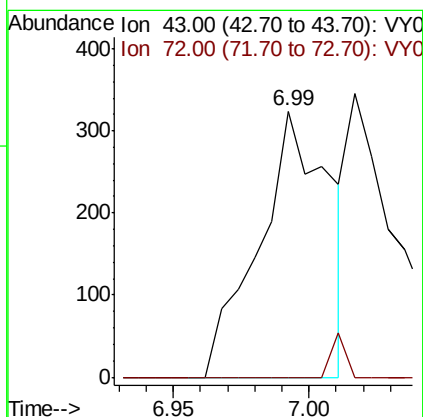
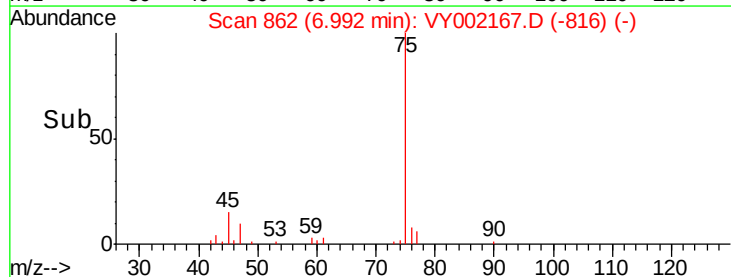
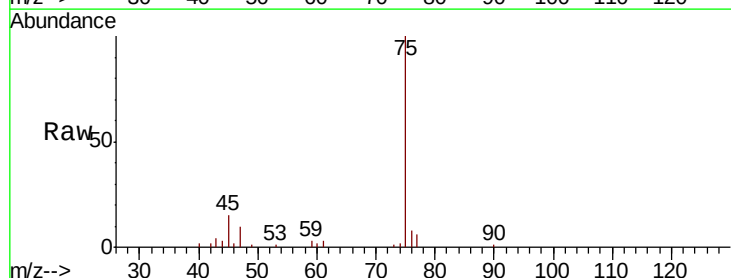
Instrument :
MSVOA_Y
ClientSampleId :

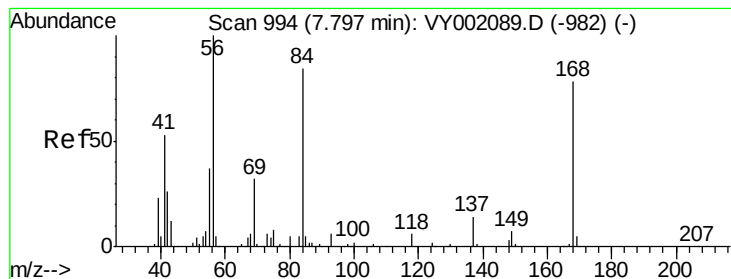
Tot Ion: 84 Resp: 3188
Ion Ratio Lower Upper
84 100
49 122.1 102.2 153.4
51 39.4 31.2 46.8
86 59.3 52.6 78.8



#25
2-Butanone
Concen: 1.470 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.02 min
Lab File: VY002167.D
Acq: 01 Apr 2020 16:49

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#31

Cyclohexane

Concen: 1.020 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

Instrument :
MSVOA_Y
ClientSampled :

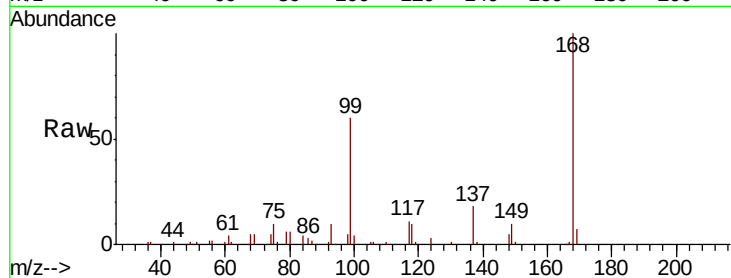
Tot Ion: 56 Resp: 1948

Ion Ratio Lower Upper

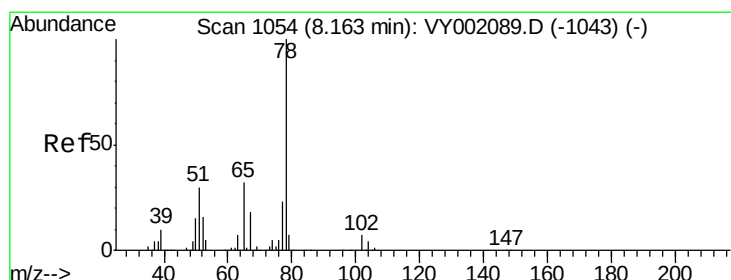
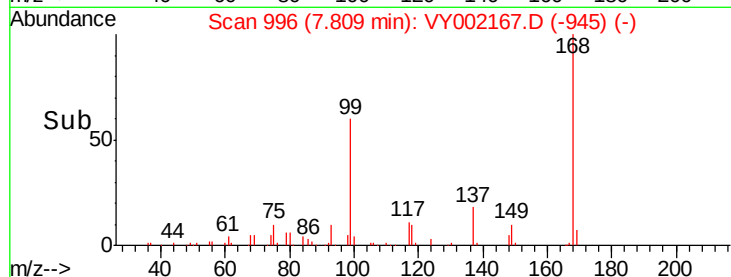
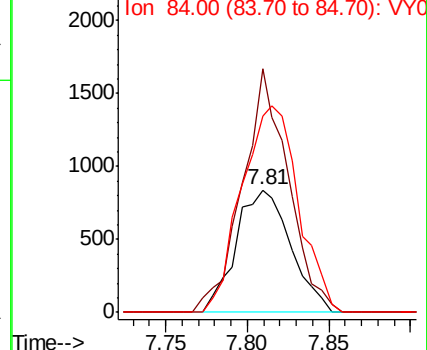
56 100

69 198.5 25.8 38.8#

84 160.4 67.1 100.7#



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: 54.123 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002167.D

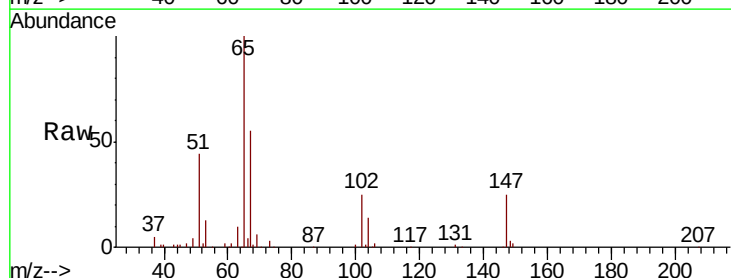
Acq: 01 Apr 2020 16:49

Tgt Ion: 65 Resp: 49590

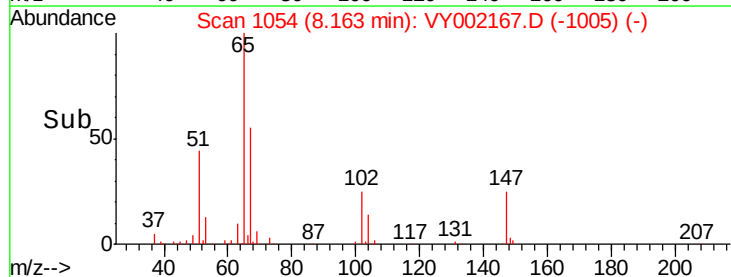
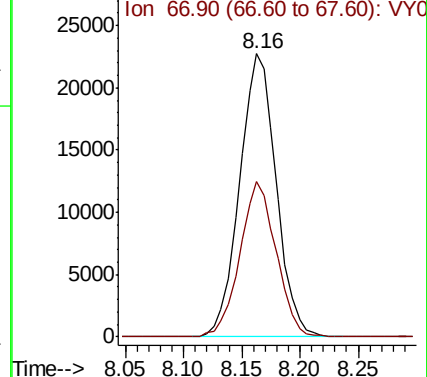
Ion Ratio Lower Upper

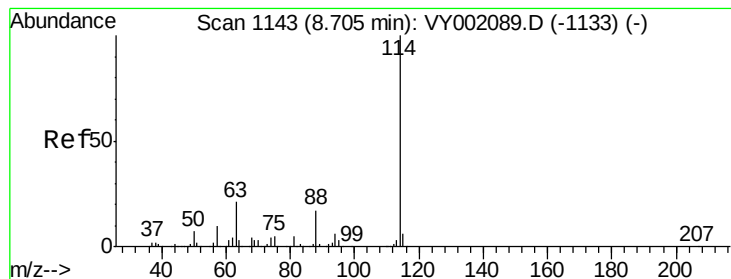
65 100

67 54.3 0.0 112.8



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: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

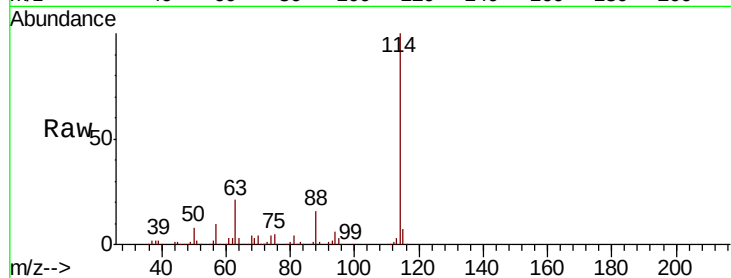
Tot Ion:114 Resp: 156232

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

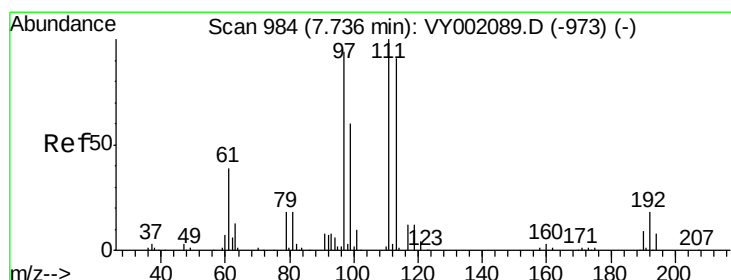
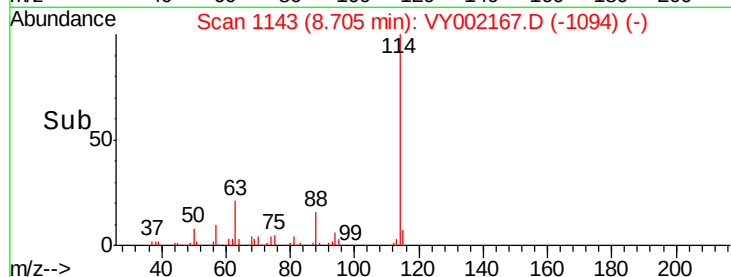
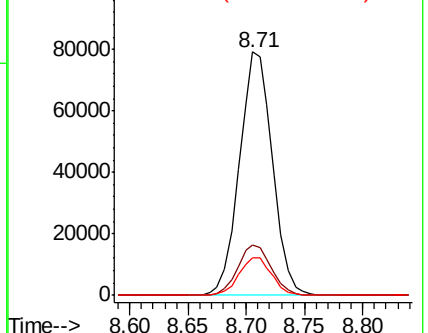
88 15.6 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 52.430 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

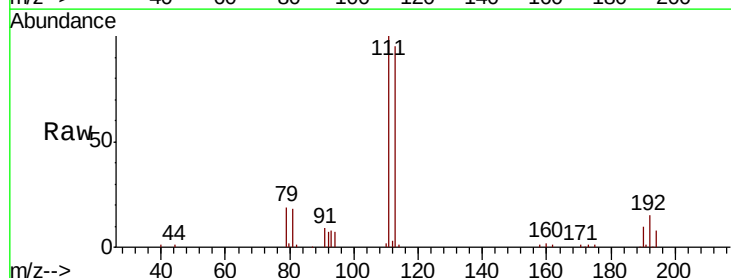
Tgt Ion:113 Resp: 45897

Ion Ratio Lower Upper

113 100

111 103.6 84.4 126.6

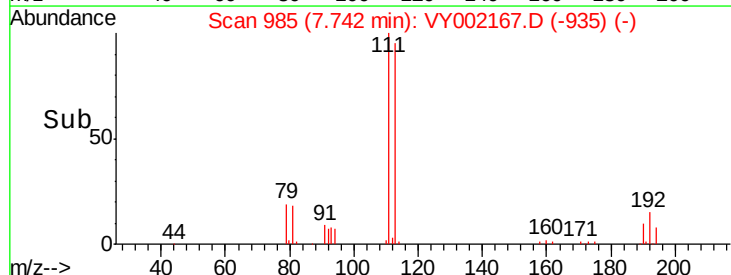
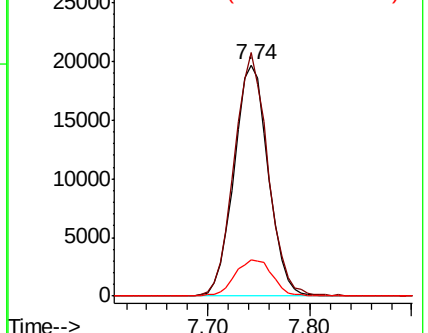
192 17.2 14.6 21.8

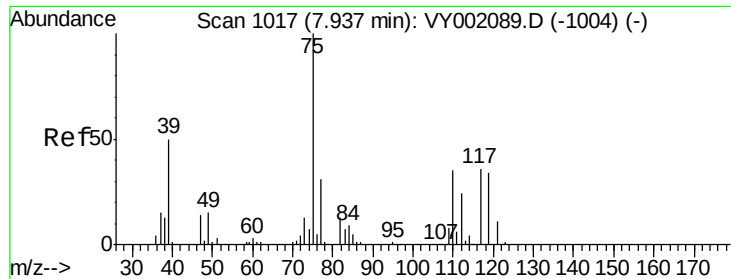


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

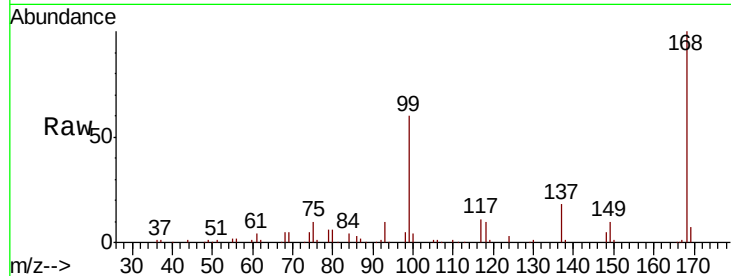




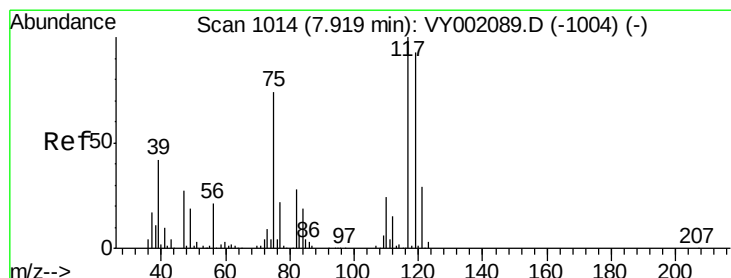
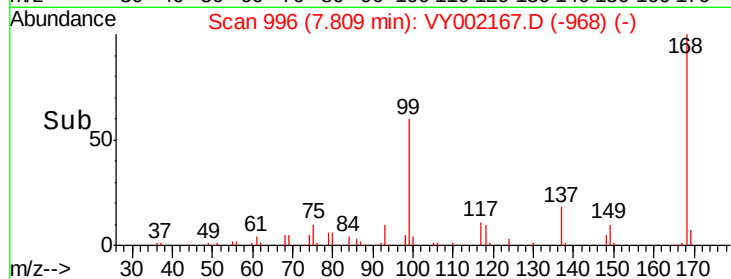
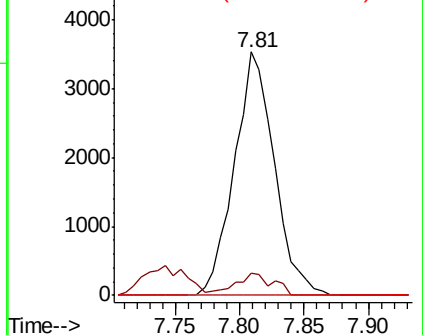
#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002167.D
 Acq: 01 Apr 2020 16:49

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.2	51.6#
77	0.0	24.7	37.1#

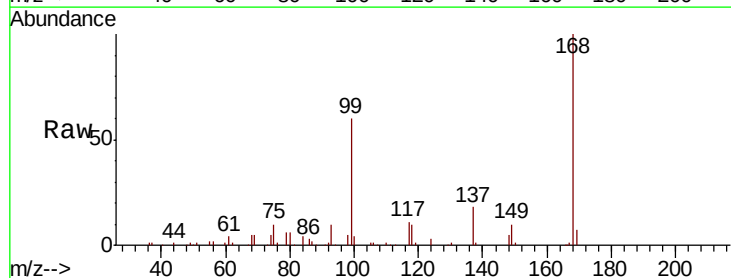


Abundance Ion 74.90 (74.60 to 75.60): VY002167.D (-968) (-)

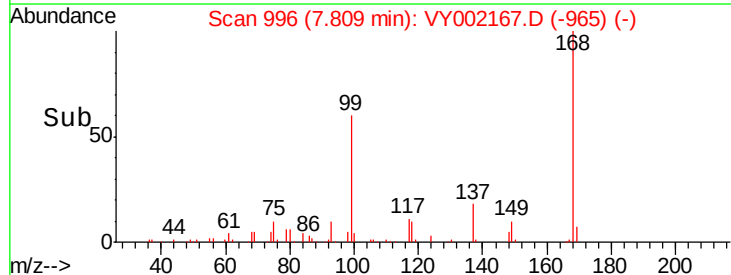
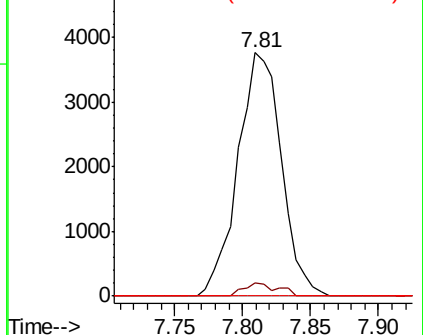


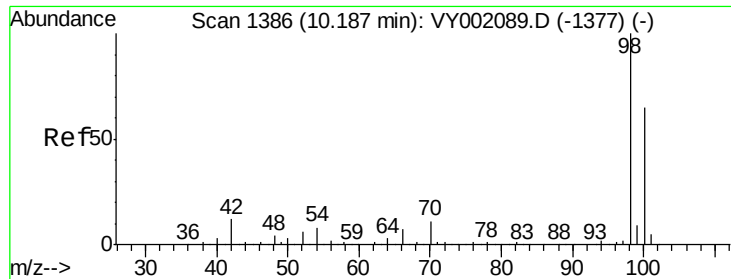
#38
 Carbon Tetrachloride
 Concen: 6.736 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY002167.D
 Acq: 01 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.3	111.5#
121	0.0	23.3	34.9#



Abundance Ion 116.80 (116.50 to 117.50): VY002167.D (-965) (-)





#50

Toluene-d8

Concen: 51.926 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

Instrument :

MSVOA_Y

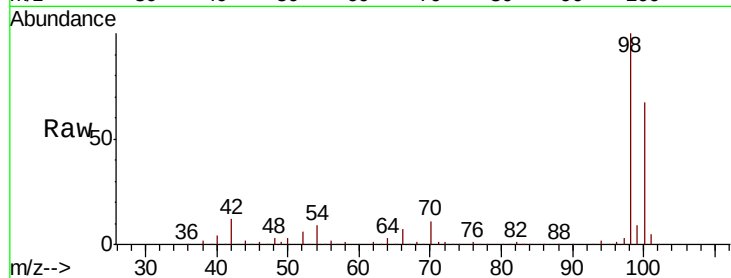
ClientSampled :

Tot Ion: 98 Resp: 188833

Ion Ratio Lower Upper

98 100

100 65.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

120000

100000

80000

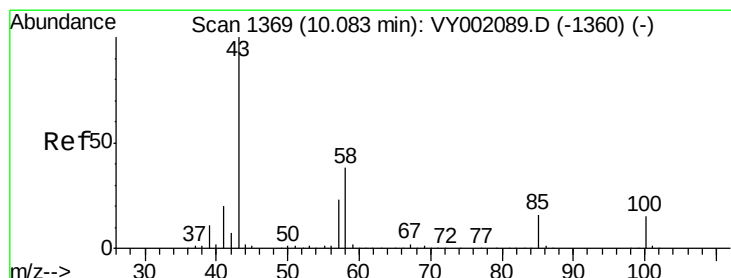
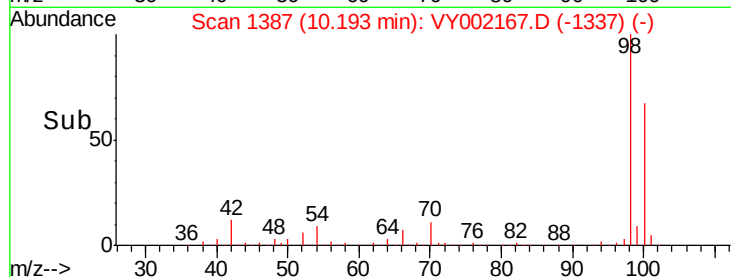
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.371 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002167.D

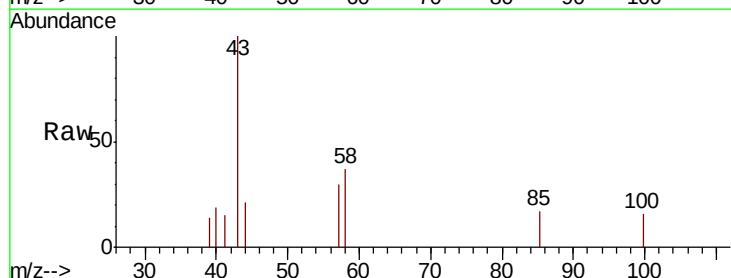
Acq: 01 Apr 2020 16:49

Tgt Ion: 43 Resp: 1170

Ion Ratio Lower Upper

43 100

58 55.2 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

800

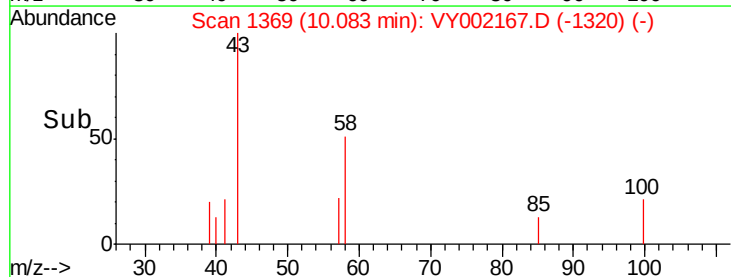
600

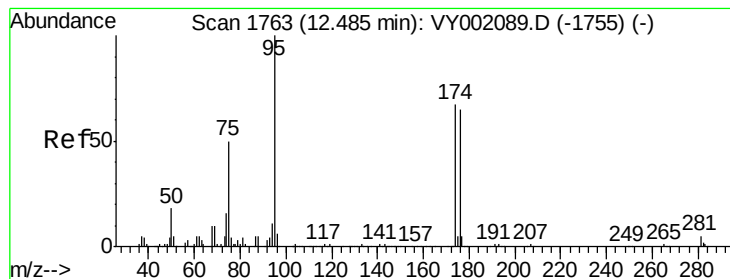
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 48.260 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

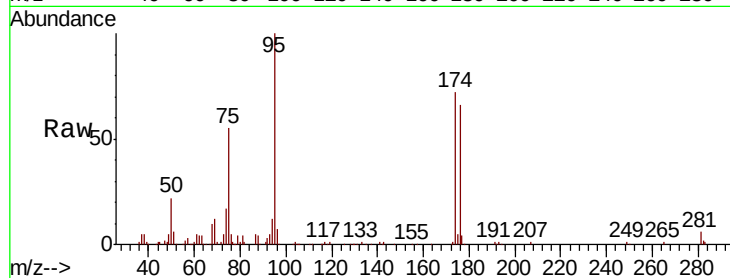
Tot Ion: 95 Resp: 61379

Ion Ratio Lower Upper

95 100

174 74.0 0.0 143.4

176 72.6 0.0 137.0



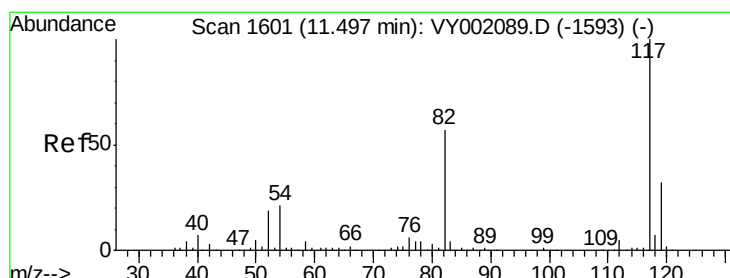
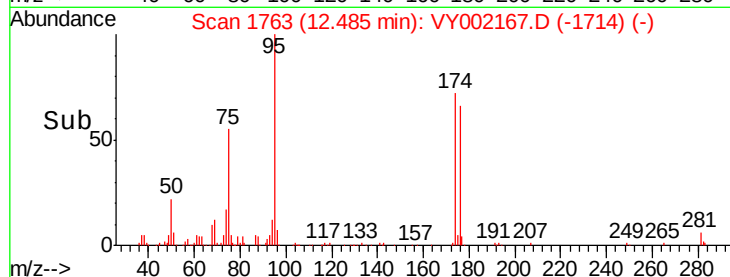
Abundance Ion 94.90 (94.60 to 95.60): VY002167.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002167.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002167.D (-1755) (-)

12.49

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

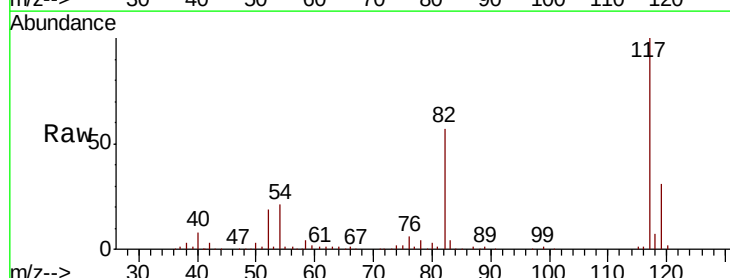
Tgt Ion: 117 Resp: 142159

Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.2

119 30.7 25.3 37.9



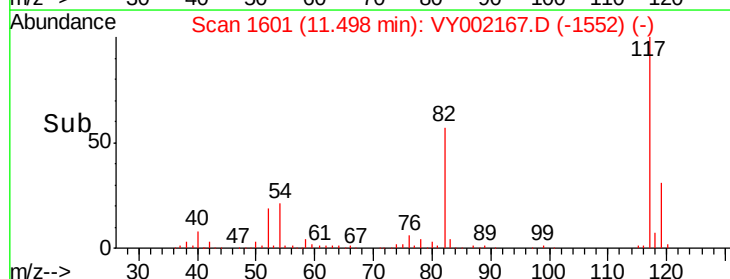
Abundance Ion 116.90 (116.60 to 117.60): VY002167.D (-1593) (-)

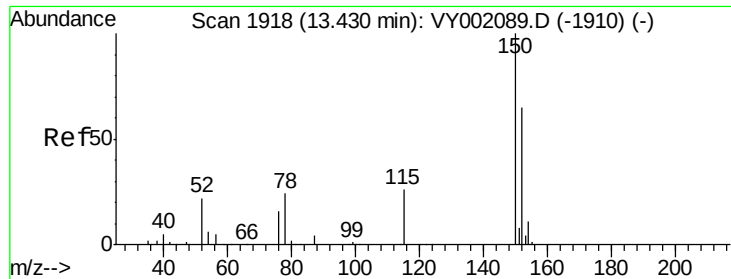
Ion 82.00 (81.70 to 82.70): VY002167.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002167.D (-1593) (-)

11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

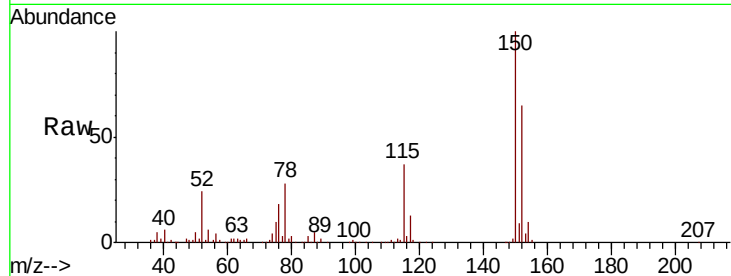
Tot Ion:152 Resp: 62493

Ion Ratio Lower Upper

152 100

115 59.5 31.2 93.6

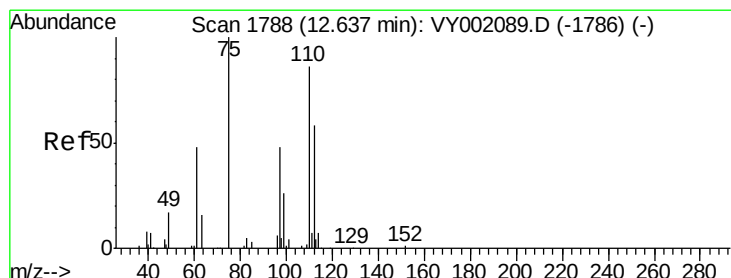
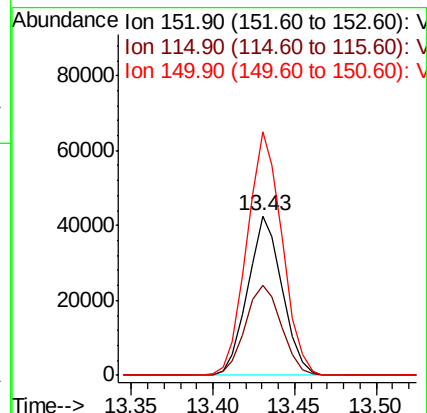
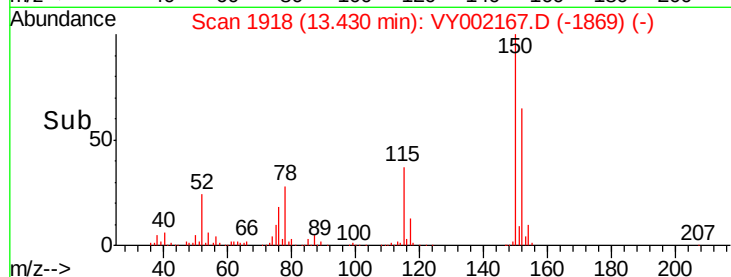
150 156.0 0.0 354.8



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: 46.085 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002167.D

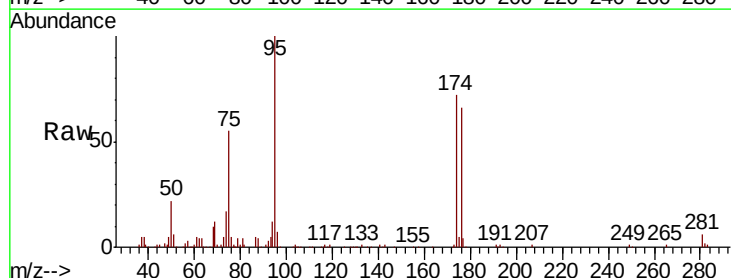
Acq: 01 Apr 2020 16:49

Tgt Ion: 75 Resp: 32215

Ion Ratio Lower Upper

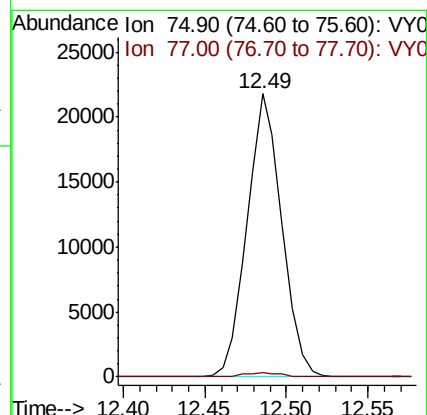
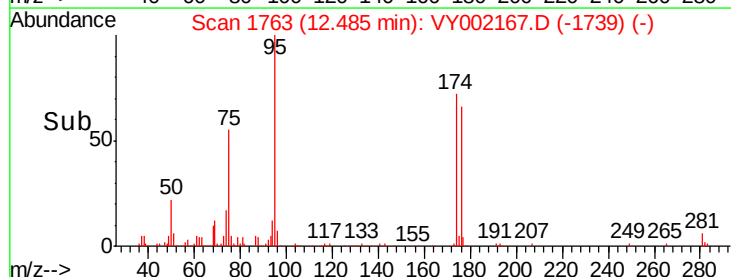
75 100

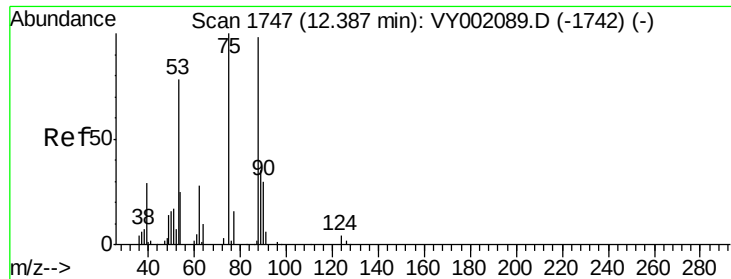
77 1.5 0.0 0.0#



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: 89.282 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002167.D

Acq: 01 Apr 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 32215

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.3 33.4 50.0#

