

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001564.D
 Acq On : 07 Feb 2020 19:00
 Operator : SY/MD
 Sample : L1472-02
 Misc : 13.7G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:28:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

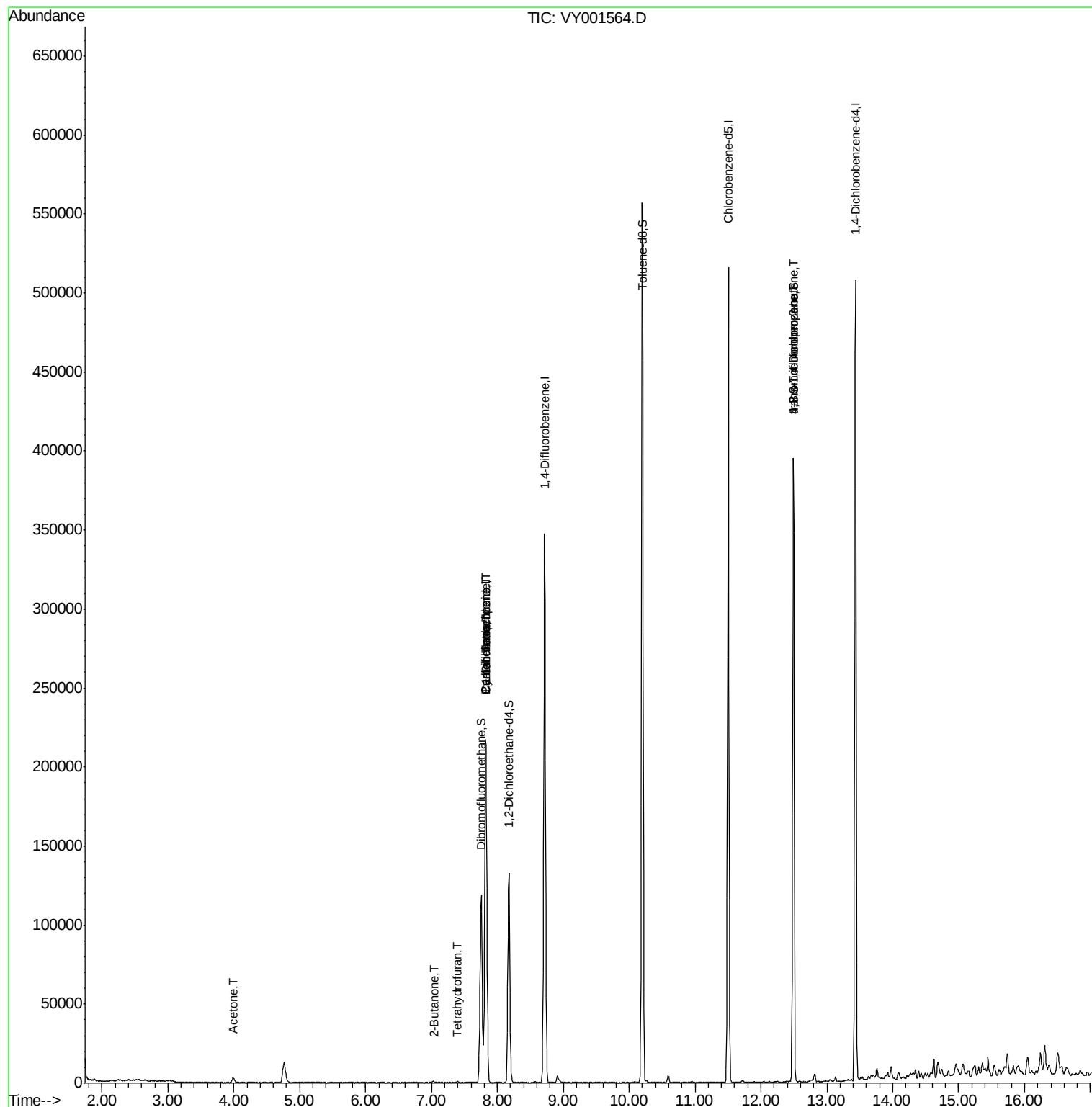
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	167823	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	300849	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	271516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	123944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	98513	58.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	116.60%	
35) Dibromofluoromethane	7.75	113	83514	48.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	10.20	98	361018	55.00	ug/l	0.01
Spiked Amount 50.000			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.49	95	123684	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	130	Below Cal	#	76
16) Acetone	3.99	43	5672	11.605	ug/l	93
25) 2-Butanone	7.03	43	884	1.394	ug/l	93
29) Tetrahydrofuran	7.38	42	463	1.218	ug/l #	58
31) Cyclohexane	7.82	56	3667	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13187	4.791	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16245	6.101	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	63482	47.627	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	63482	92.156	ug/l #	16

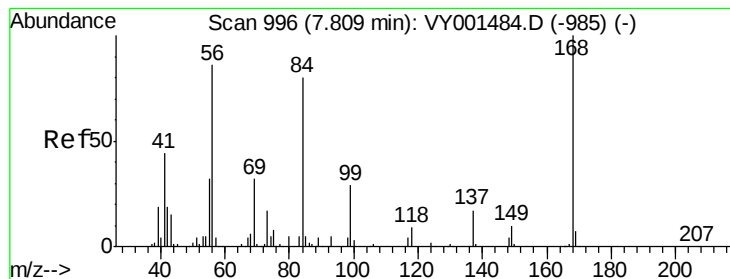
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :

MSVOA_Y

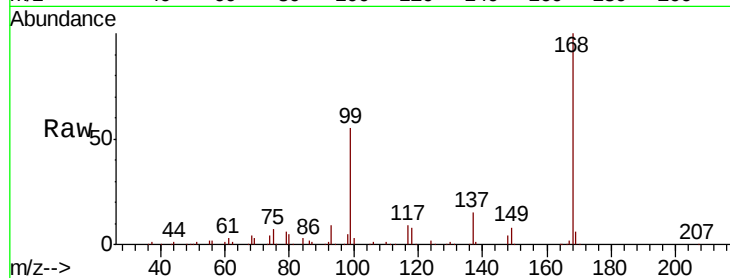
ClientSampleId :

Tot Ion:168 Resp: 167823

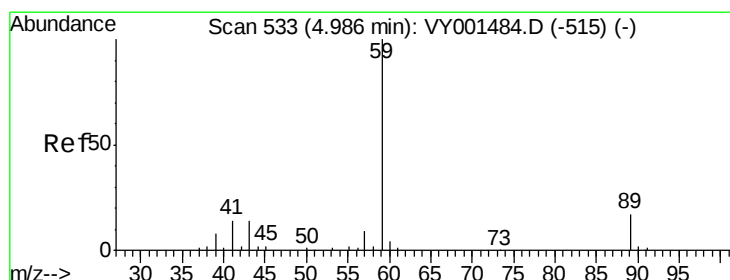
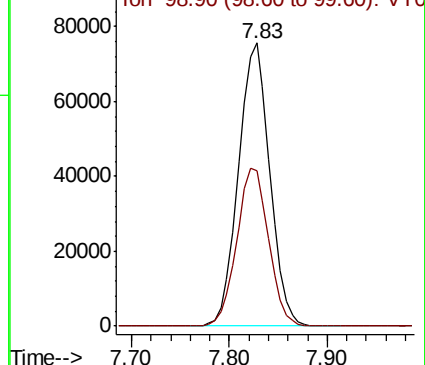
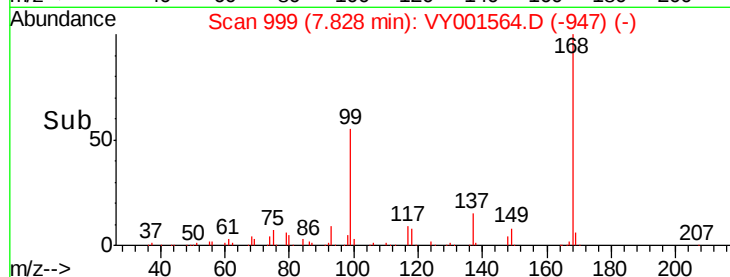
Ion Ratio Lower Upper

168 100

99 55.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001564.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001564.D

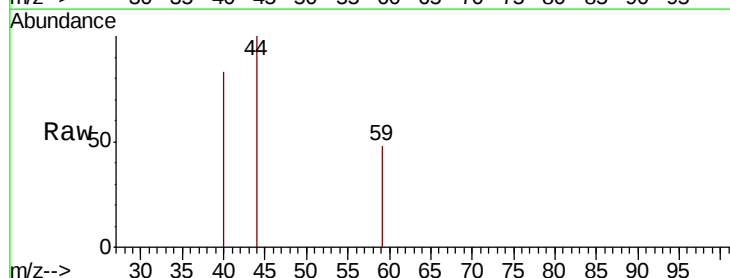
Acq: 07 Feb 2020 19:00

Tgt Ion: 59 Resp: 130

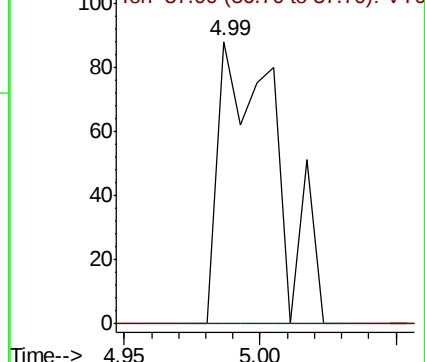
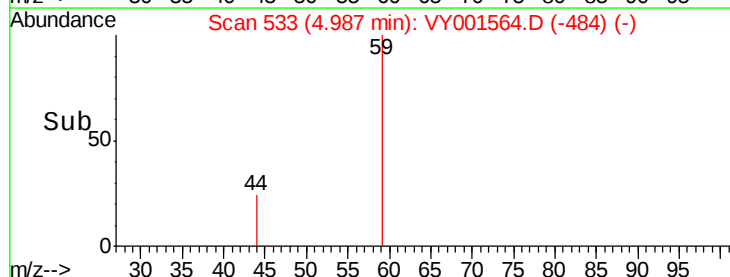
Ion Ratio Lower Upper

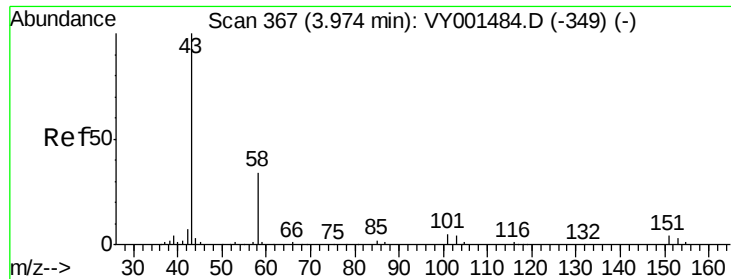
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001564.D (-484) (-)





#16

Acetone

Concen: 11.605 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :

MSVOA_Y

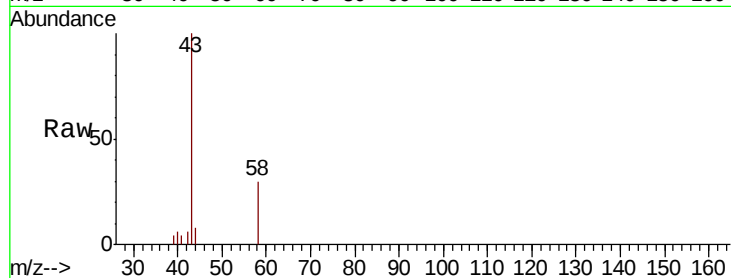
ClientSampled :

Tot Ion: 43 Resp: 5672

Ion Ratio Lower Upper

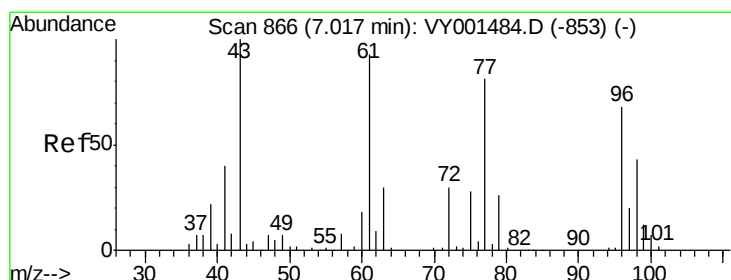
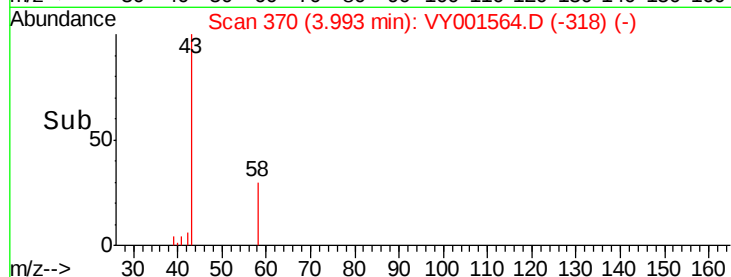
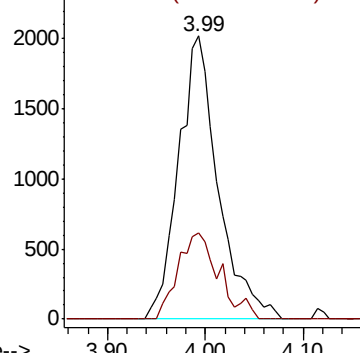
43 100

58 30.3 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 1.394 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001564.D

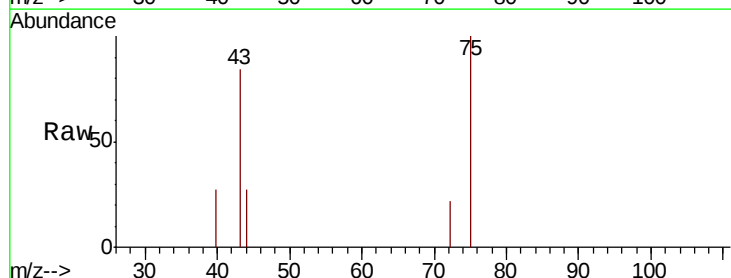
Acq: 07 Feb 2020 19:00

Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

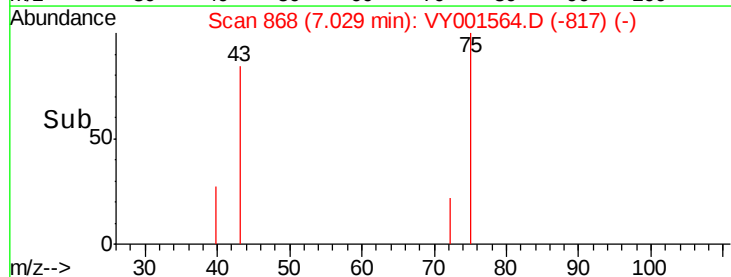
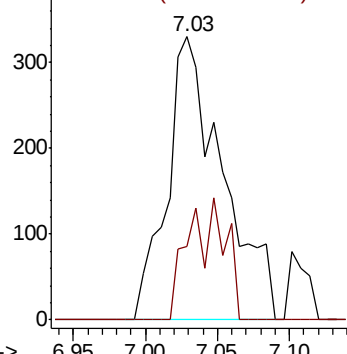
43 100

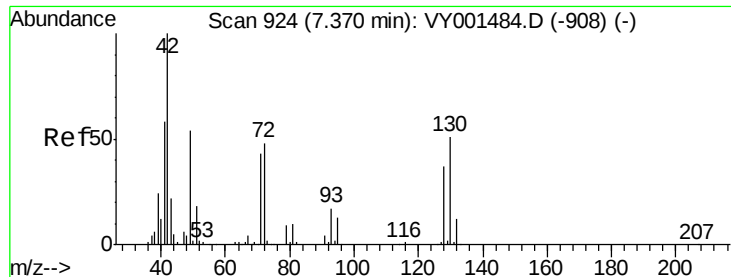
72 25.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

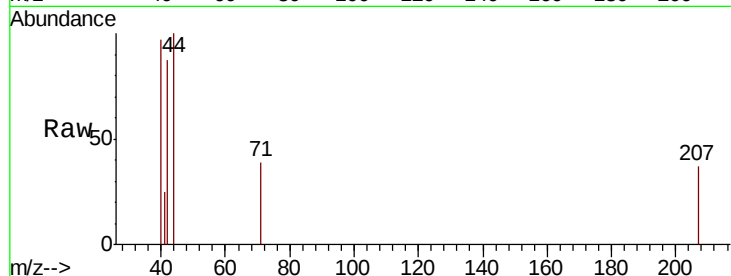




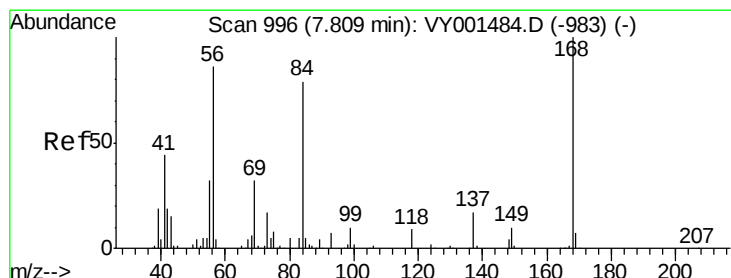
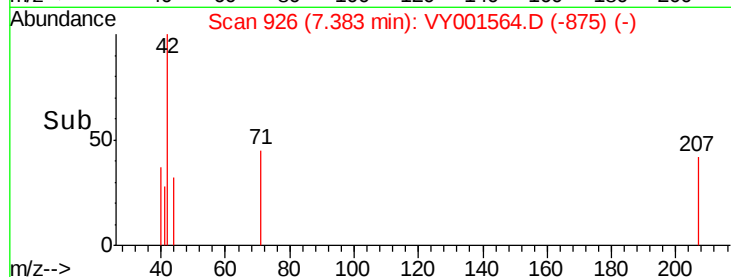
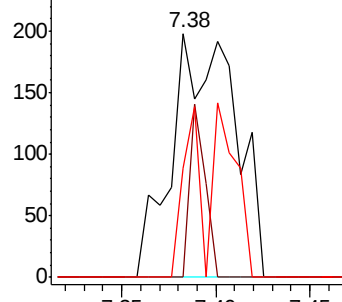
#29
Tetrahydrofuran
Concen: 1.218 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001564.D
Acq: 07 Feb 2020 19:00

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 17.1 37.8 56.6#
71 17.9 34.8 52.2#

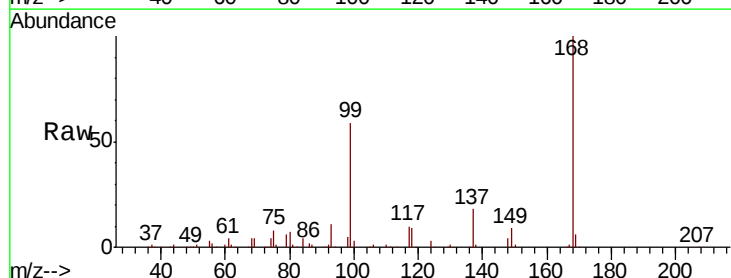


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

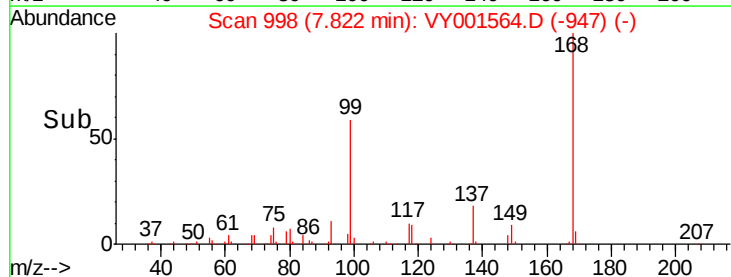
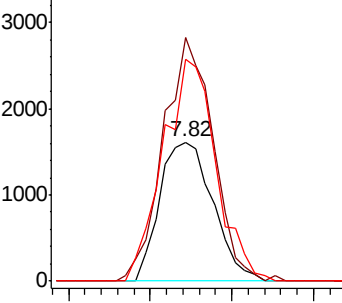


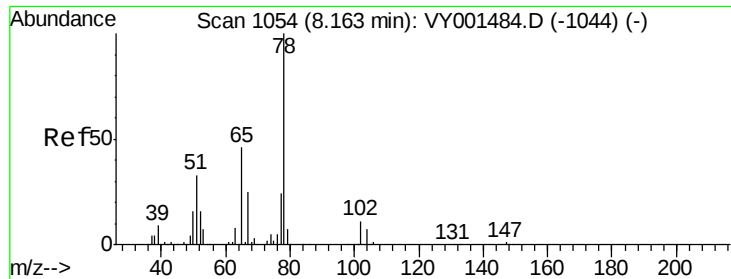
#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001564.D
Acq: 07 Feb 2020 19:00

Tgt Ion: 56 Resp: 3667
Ion Ratio Lower Upper
56 100
69 170.8 29.6 44.4#
84 159.5 73.6 110.4#



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: 58.301 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :

MSVOA_Y

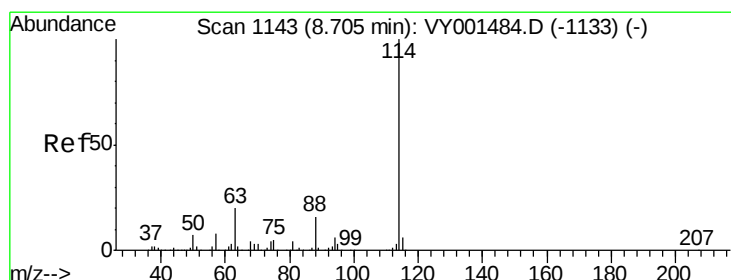
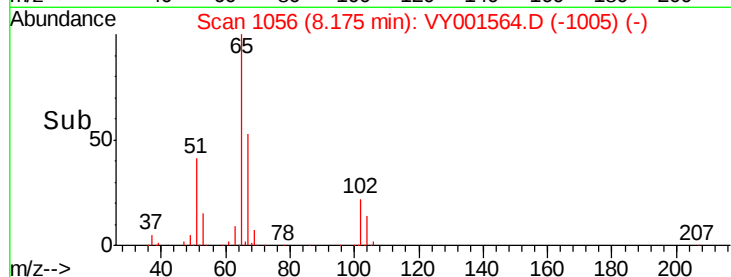
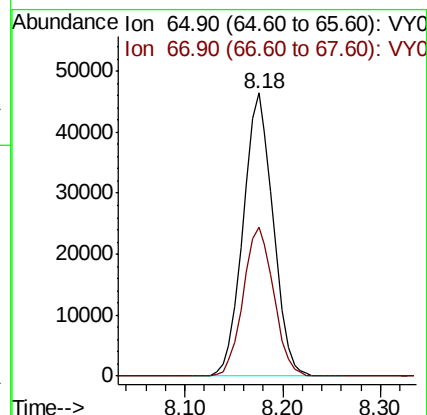
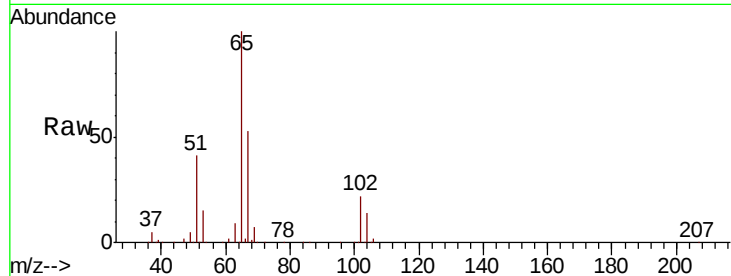
ClientSampleId :

Tot Ion: 65 Resp: 98513

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

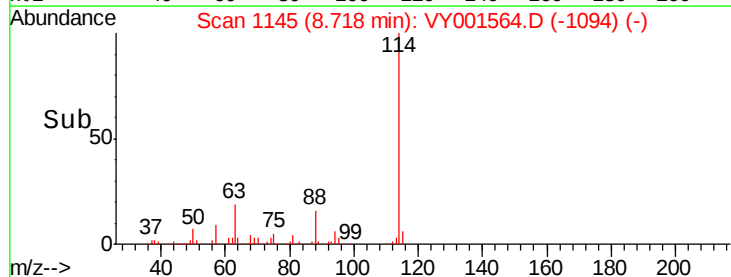
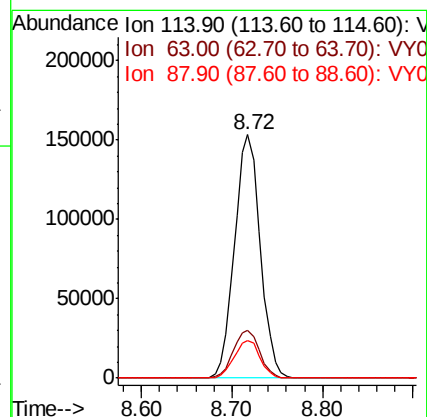
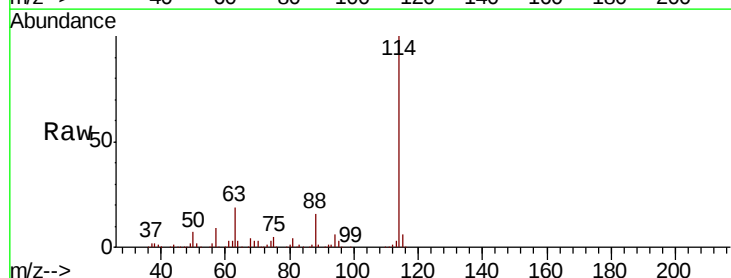
Tgt Ion: 114 Resp: 300849

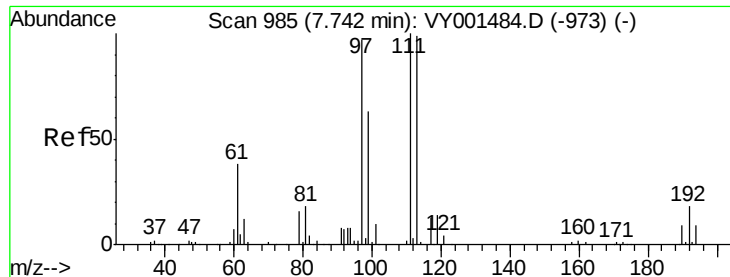
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.8

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.139 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :
MSVOA_Y
ClientSampleId :

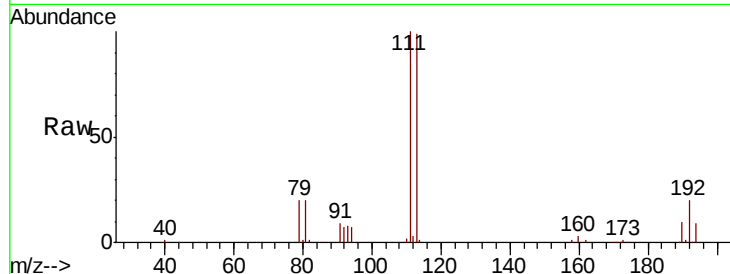
Tot Ion:113 Resp: 83514

Ion Ratio Lower Upper

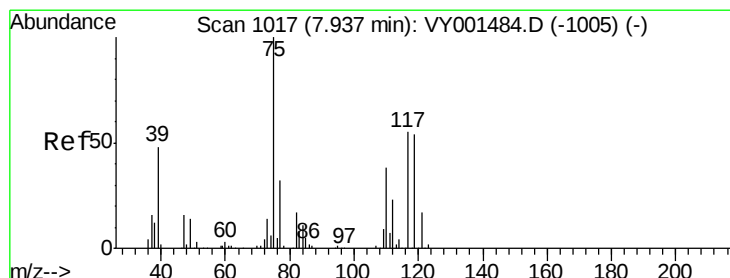
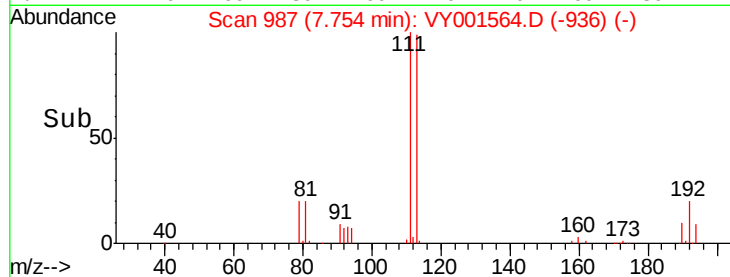
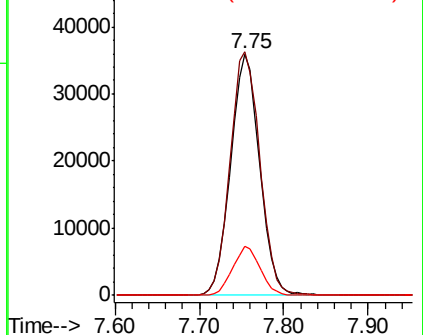
113 100

111 103.5 82.9 124.3

192 19.3 14.6 22.0



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: 4.791 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

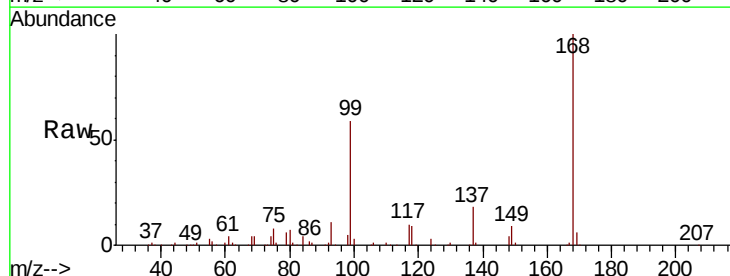
Tgt Ion: 75 Resp: 13187

Ion Ratio Lower Upper

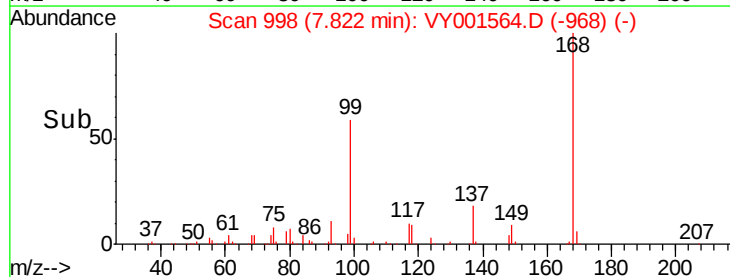
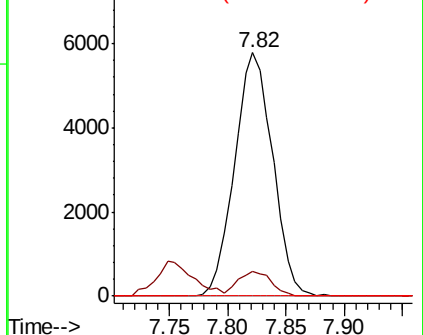
75 100

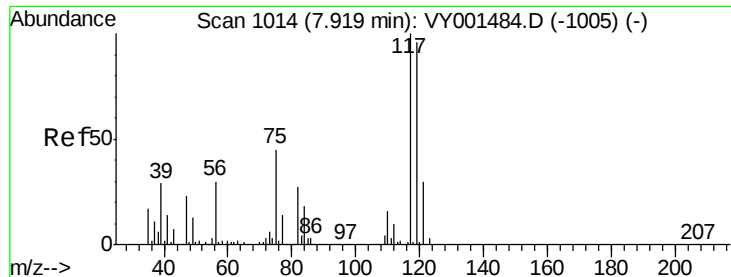
110 8.8 18.2 54.6#

77 0.0 25.0 37.4#



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: 6.101 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :

MSVOA_Y

ClientSampled :

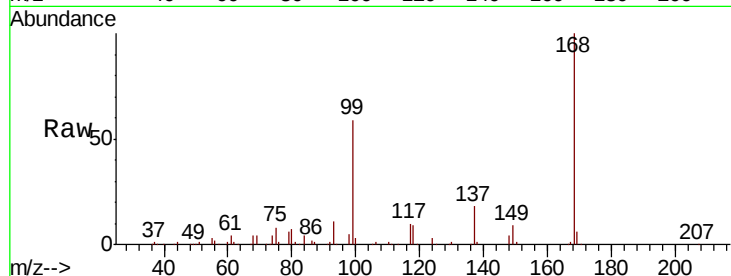
Tot Ion:117 Resp: 16245

Ion Ratio Lower Upper

117 100

119 4.7 76.4 114.6#

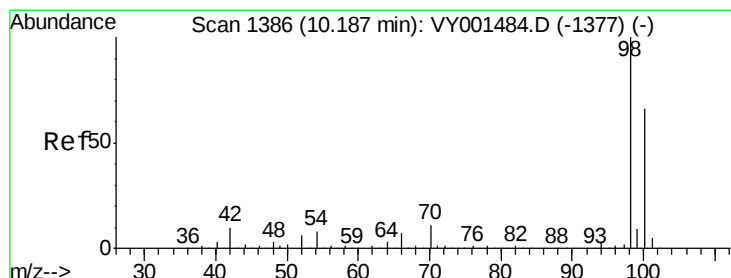
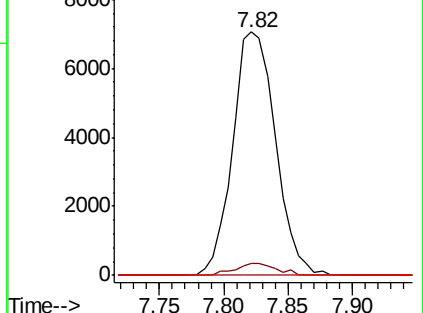
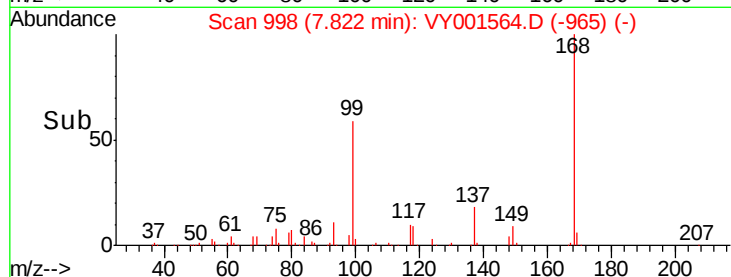
121 0.0 24.2 36.4#



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: 55.003 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001564.D

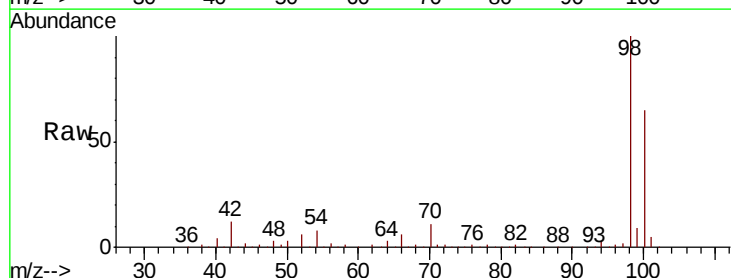
Acq: 07 Feb 2020 19:00

Tgt Ion: 98 Resp: 361018

Ion Ratio Lower Upper

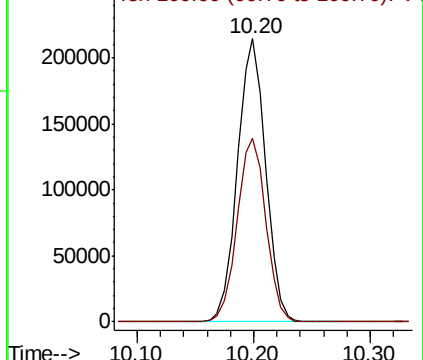
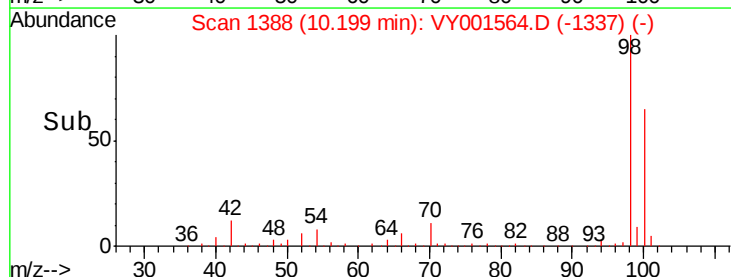
98 100

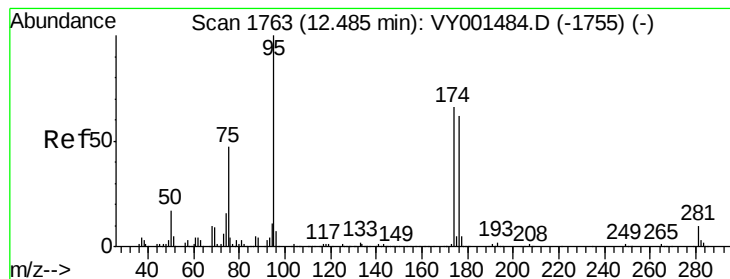
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 47.833 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :

MSVOA_Y

ClientSampled :

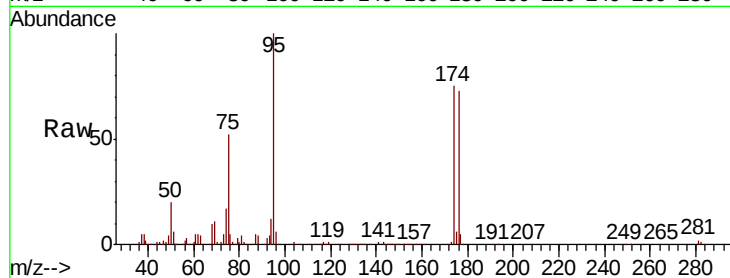
Tot Ion: 95 Resp: 123684

Ion Ratio Lower Upper

95 100

174 76.4 0.0 141.4

176 73.8 0.0 135.4

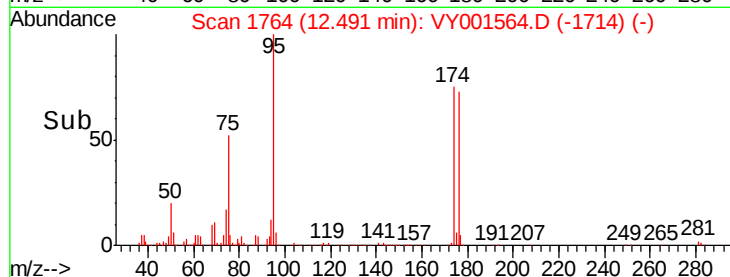


Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

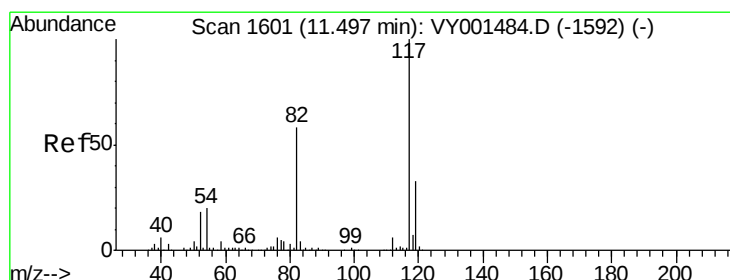
Ion 173.80 (173.50 to 174.50): VY001484.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001484.D (-1755) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

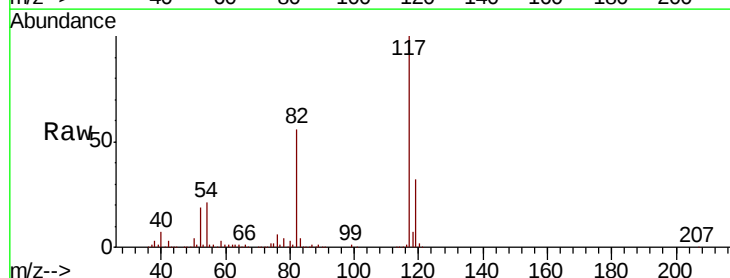
Tgt Ion: 117 Resp: 271516

Ion Ratio Lower Upper

117 100

82 56.4 46.1 69.1

119 31.8 26.1 39.1

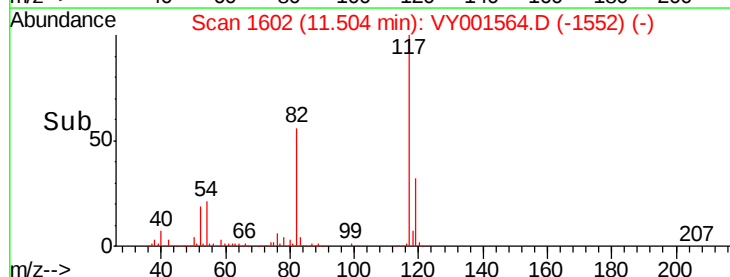


Abundance Ion 116.90 (116.60 to 117.60): VY001484.D (-1592) (-)

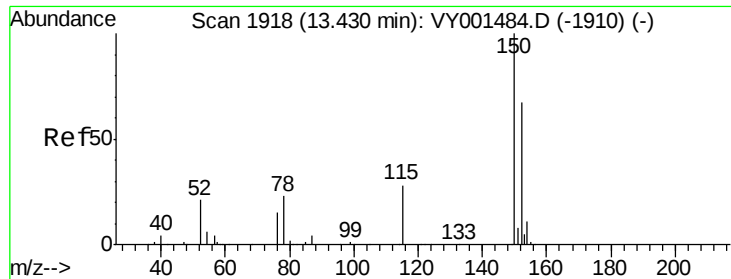
Ion 82.00 (81.70 to 82.70): VY001484.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY001484.D (-1592) (-)

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001564.D

Acq: 07 Feb 2020 19:00

Instrument :

MSVOA_Y

ClientSampleId :

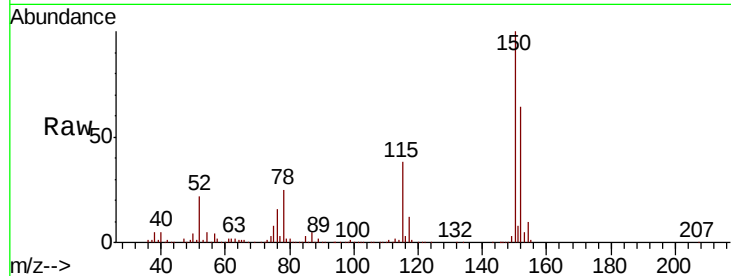
Tot Ion:152 Resp: 123944

Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.3

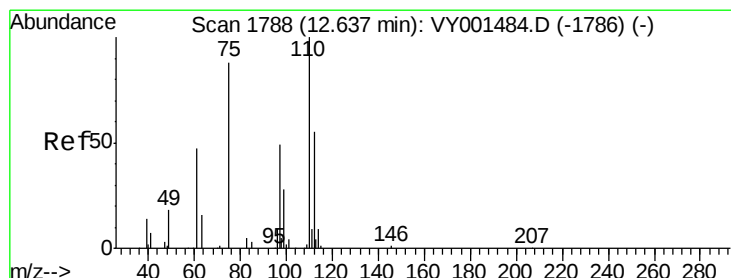
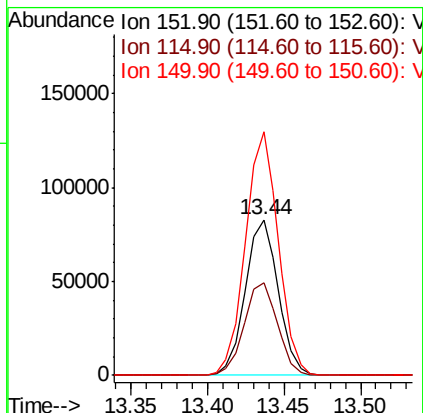
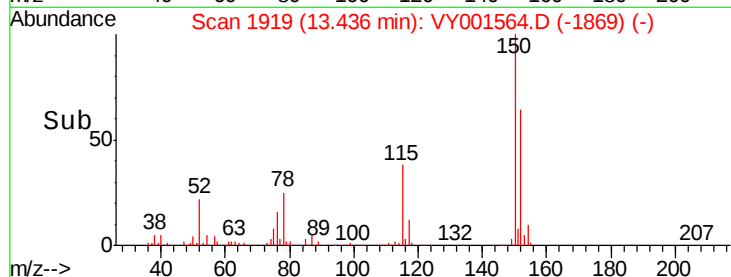
150 156.0 0.0 346.8



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: 47.627 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001564.D

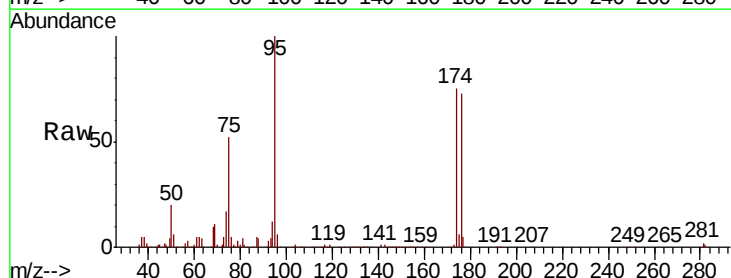
Acq: 07 Feb 2020 19:00

Tgt Ion: 75 Resp: 63482

Ion Ratio Lower Upper

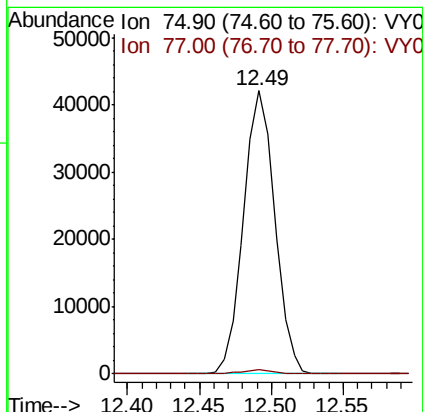
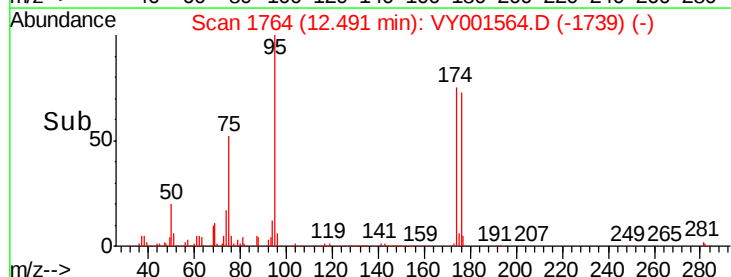
75 100

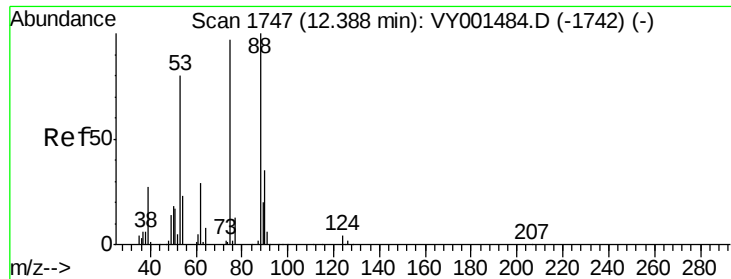
77 1.4 0.0 0.0#



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: 92.156 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001564.D
 Acq: 07 Feb 2020 19:00

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 63482
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.1 34.6 52.0#

