

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001551.D
 Acq On : 07 Feb 2020 13:59
 Operator : SY/MD
 Sample : VY0207SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:24:07 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	7.81	168	183976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	322974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	289599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102085	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.74	113	94831	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.19	98	389359	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.49	95	132018	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

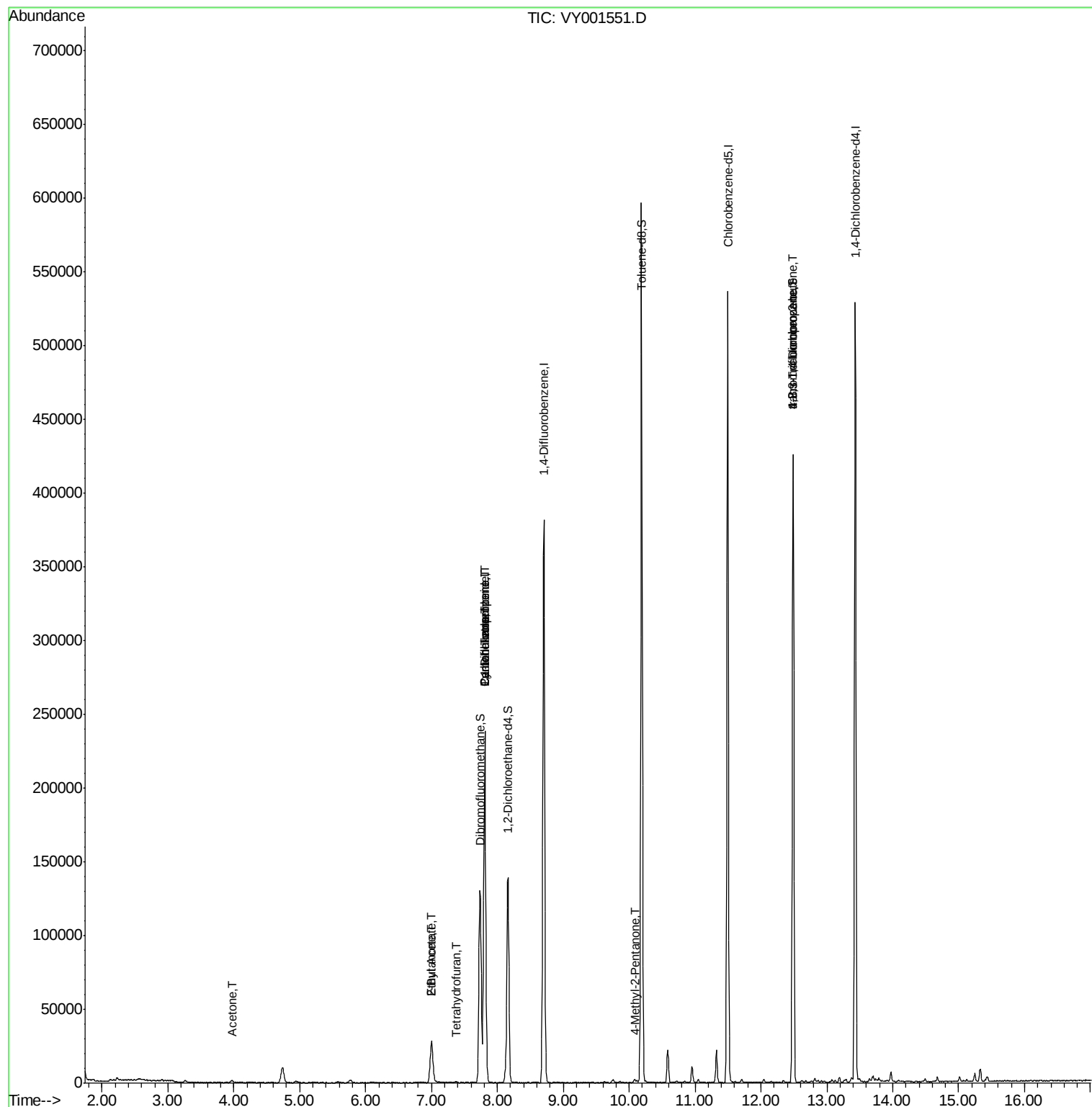
					Qvalue	
11) Tert butyl alcohol	4.94	59	660	Below Cal	#	76
16) Acetone	3.97	43	2815	5.254	ug/l	97
20) Methylene Chloride	4.74	84	8111	Below Cal		96
25) 2-Butanone	7.00	43	2400	3.453	ug/l #	69
29) Tetrahydrofuran	7.38	42	526	1.262	ug/l	93
31) Cyclohexane	7.80	56	4015	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14573	4.932	ug/l #	49
37) Ethyl Acetate	7.00	43	2400	1.678	ug/l #	32
38) Carbon Tetrachloride	7.81	117	17762	6.214	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1961	1.406	ug/l #	82
76) 1,2,3-Trichloropropane	12.49	75	67196	48.388	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	67196	93.628	ug/l #	16

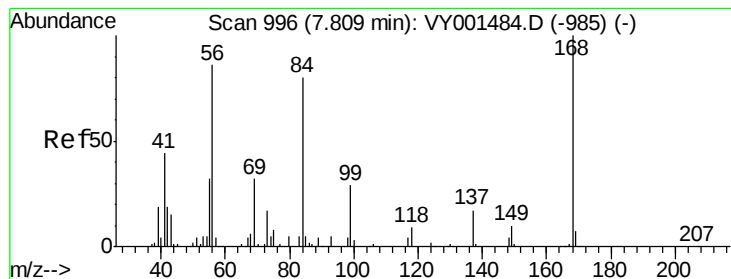
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

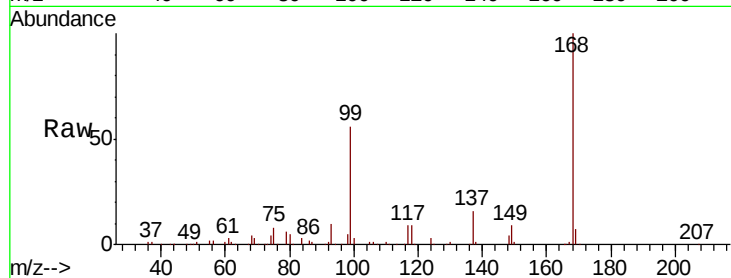
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 183976

Ion Ratio Lower Upper

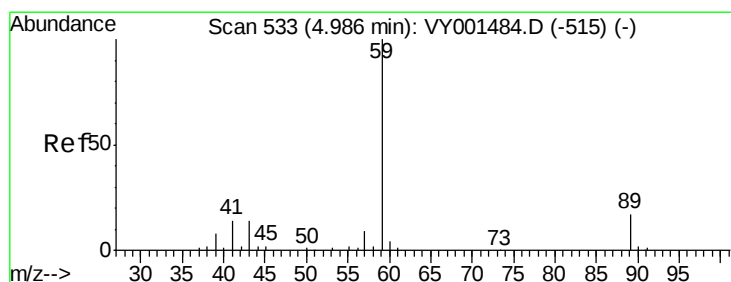
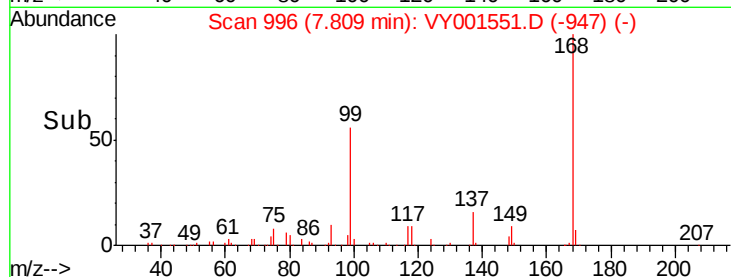
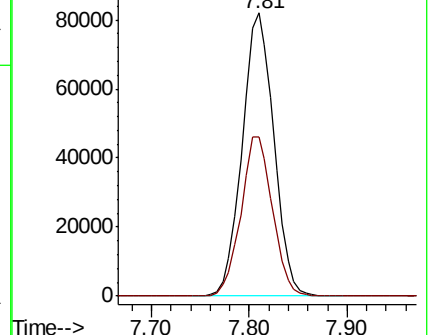
168 100

99 56.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 526

Delta R.T. -0.04 min

Lab File: VY001551.D

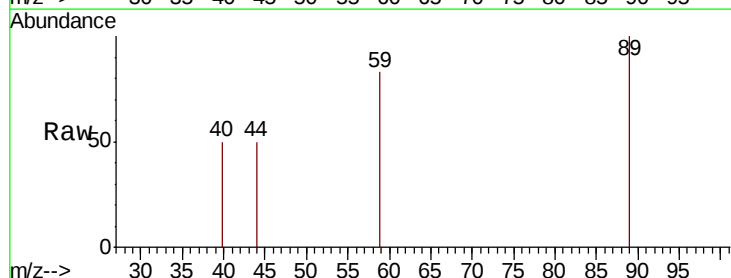
Acq: 07 Feb 2020 13:59

Tgt Ion: 59 Resp: 660

Ion Ratio Lower Upper

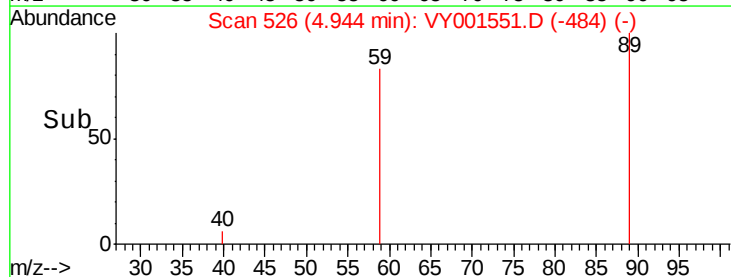
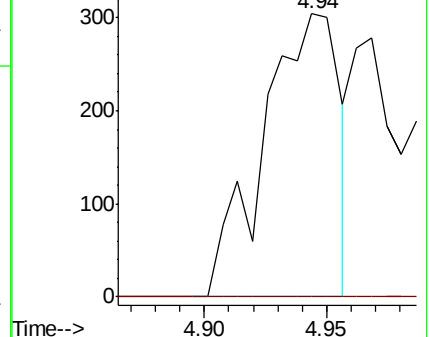
59 100

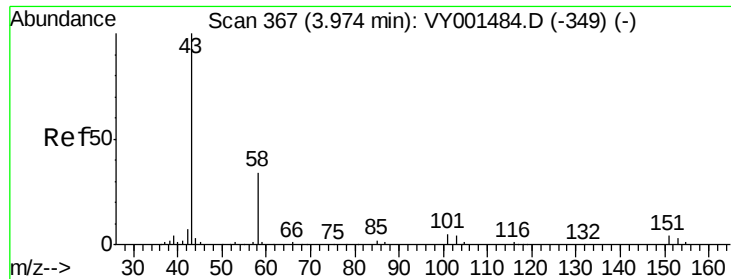
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)





#16

Acetone

Concen: 5.254 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

Instrument :

MSVOA_Y

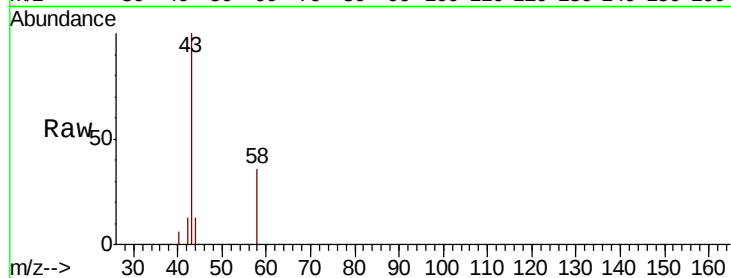
ClientSampled :

Tot Ion: 43 Resp: 2815

Ion Ratio Lower Upper

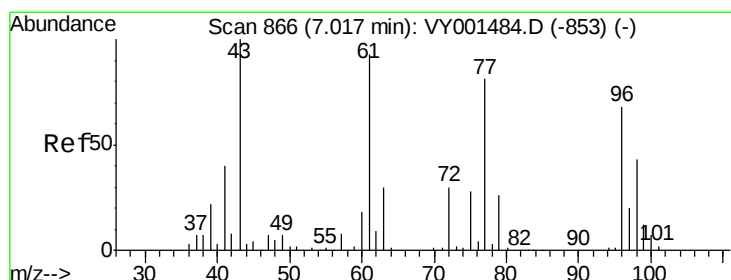
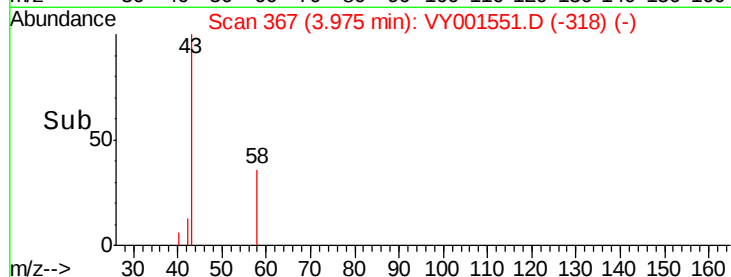
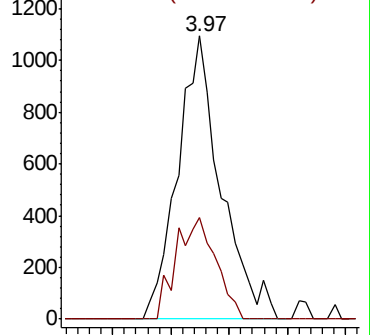
43 100

58 35.9 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: 3.453 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001551.D

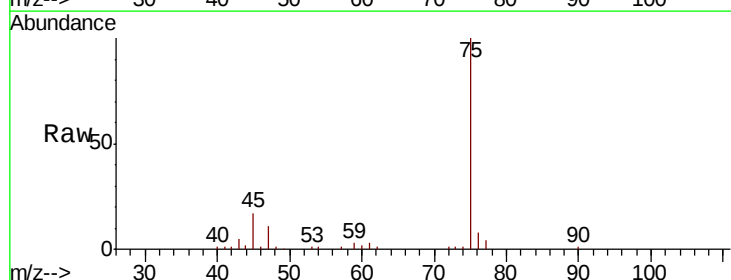
Acq: 07 Feb 2020 13:59

Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

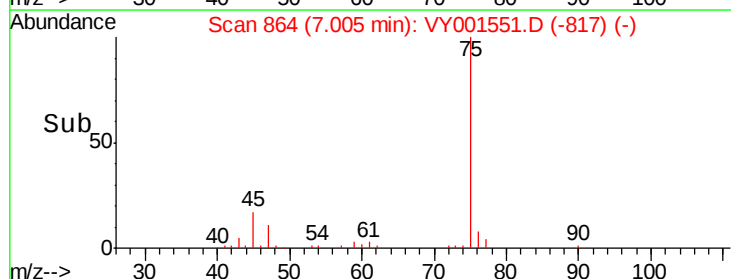
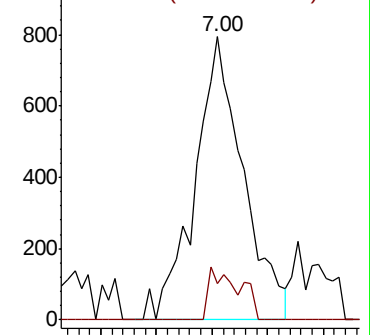
43 100

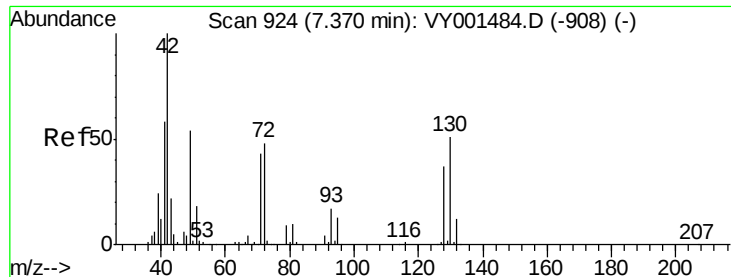
72 12.8 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

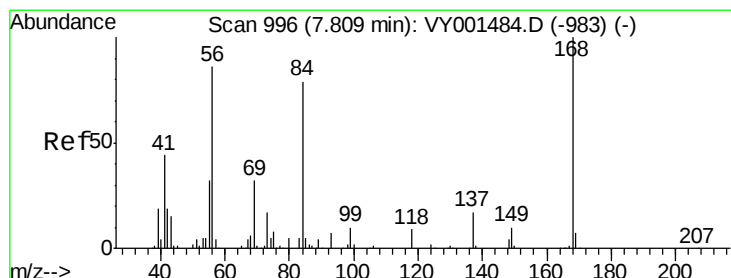
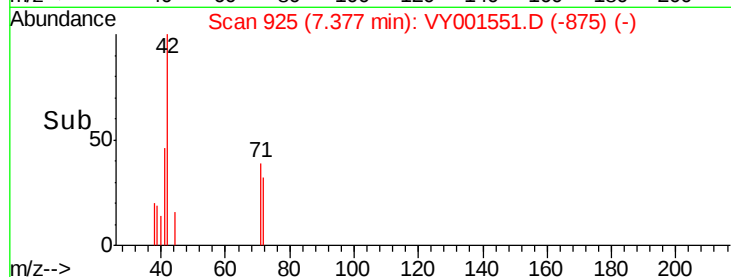
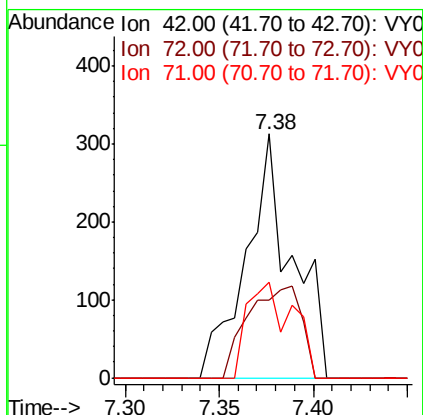
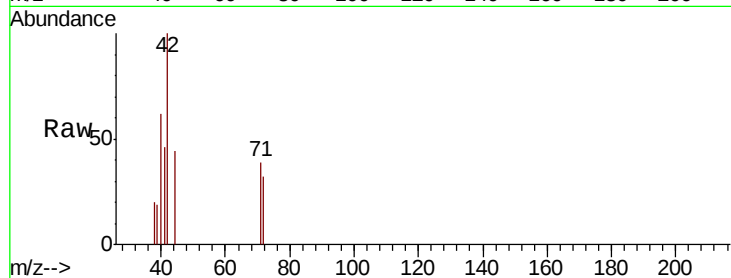




#29
Tetrahydrofuran
Concen: 1.262 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001551.D
Acq: 07 Feb 2020 13:59

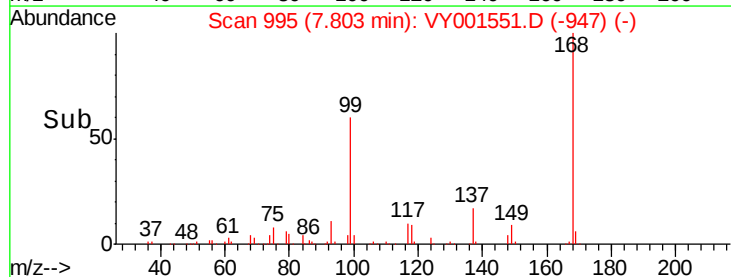
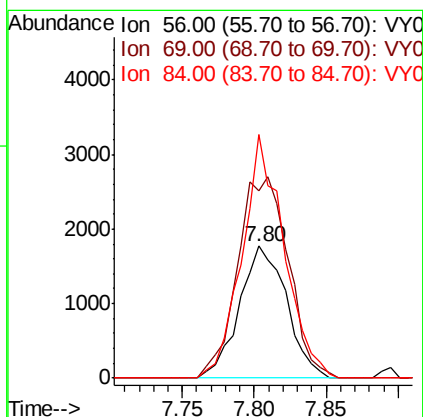
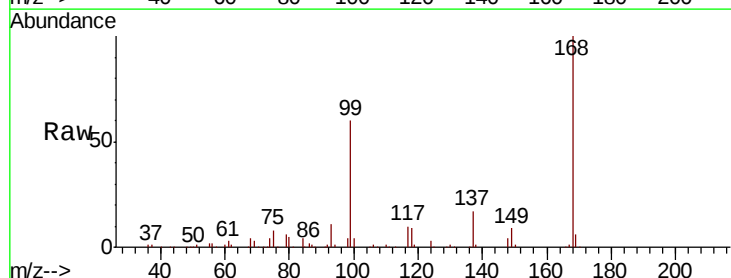
Instrument :
MSVOA_Y
ClientSampleId :

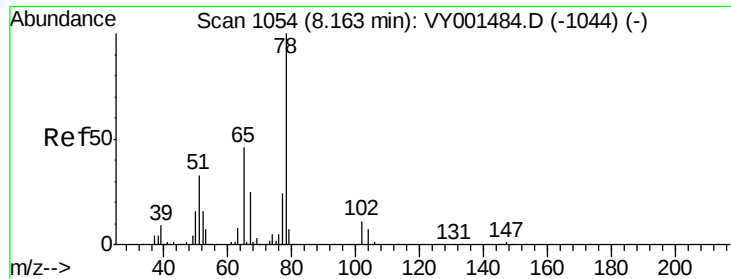
Tot Ion: 42 Resp: 526
Ion Ratio Lower Upper
42 100
72 43.7 37.8 56.6
71 38.4 34.8 52.2



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001551.D
Acq: 07 Feb 2020 13:59

Tgt Ion: 56 Resp: 4015
Ion Ratio Lower Upper
56 100
69 142.3 29.6 44.4#
84 193.4 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 55.110 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

Instrument :

MSVOA_Y

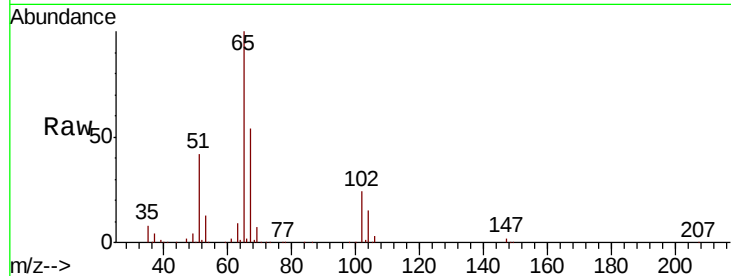
ClientSampleId :

Tot Ion: 65 Resp: 102085

Ion Ratio Lower Upper

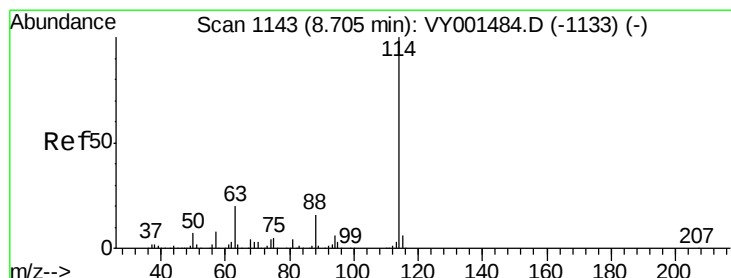
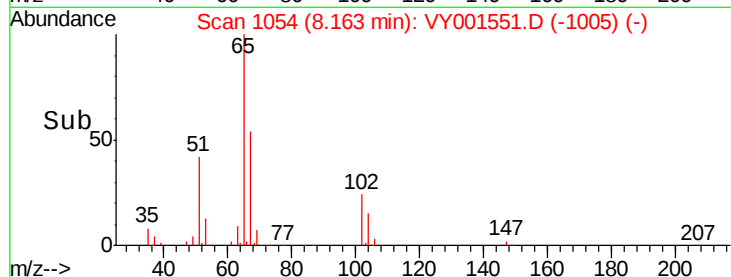
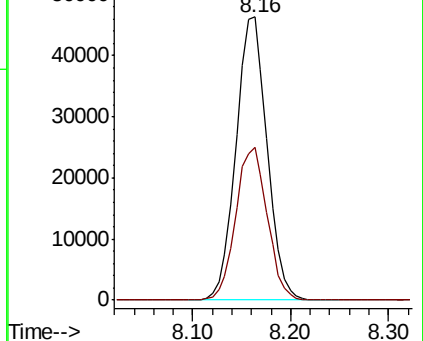
65 100

67 54.7 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: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

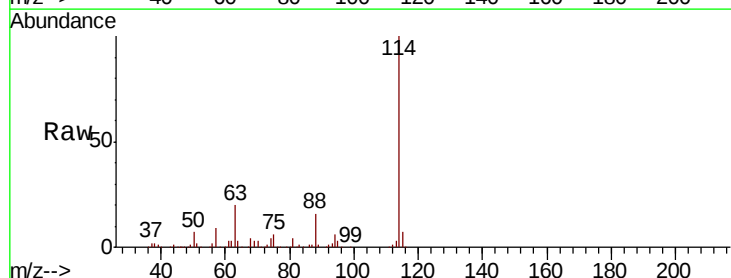
Tgt Ion: 114 Resp: 322974

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

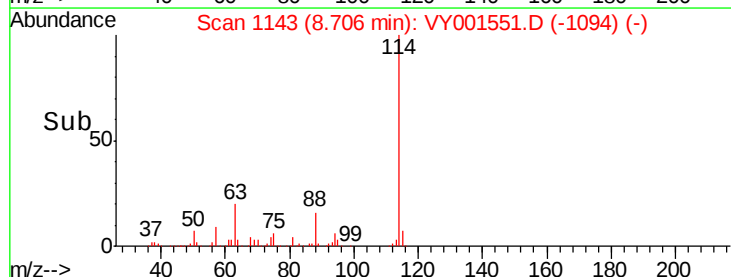
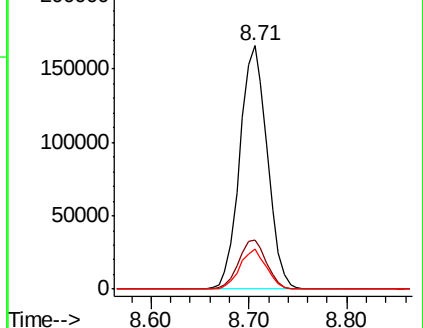
88 16.3 0.0 32.6

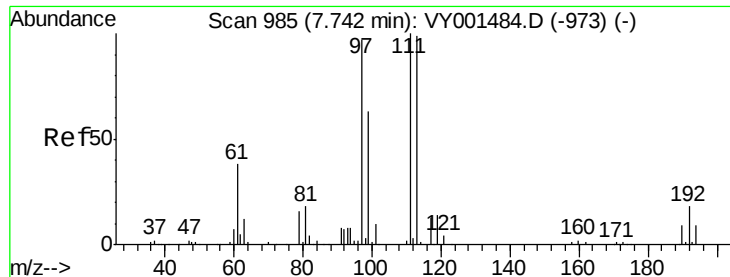


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

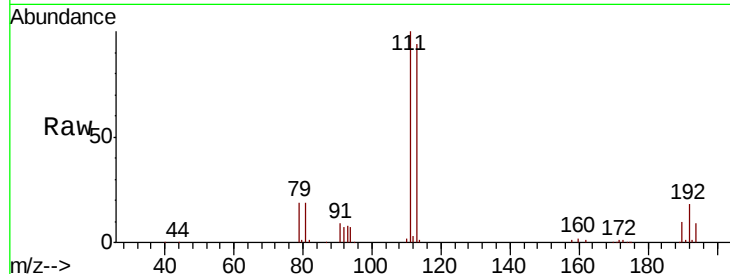




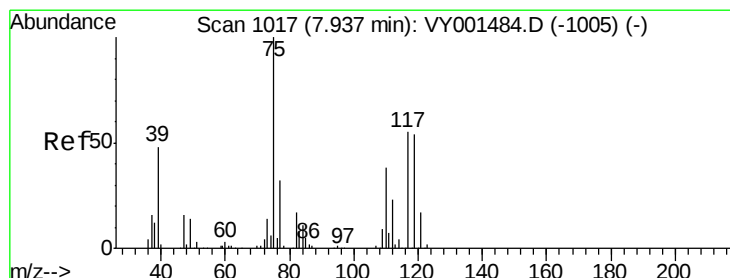
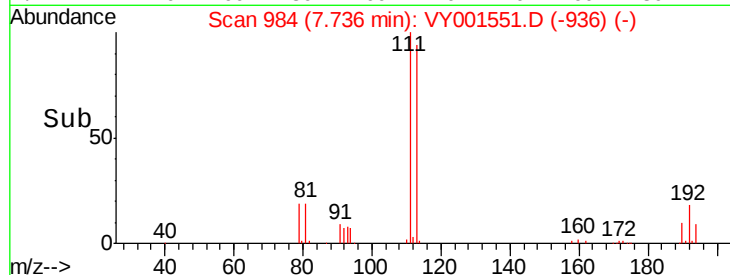
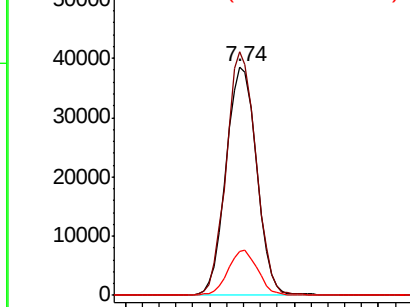
#35
 Dibromofluoromethane
 Concen: 50.918 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001551.D
 Acq: 07 Feb 2020 13:59

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:113 Resp: 94831
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 19.0 14.6 22.0

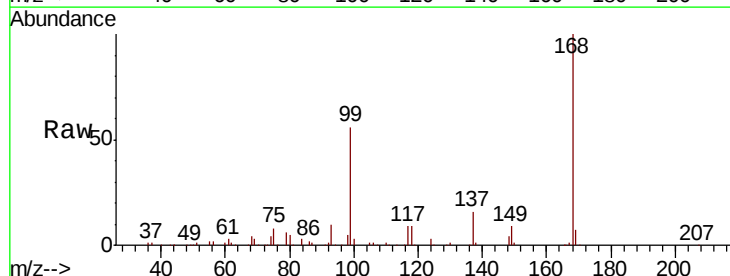


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

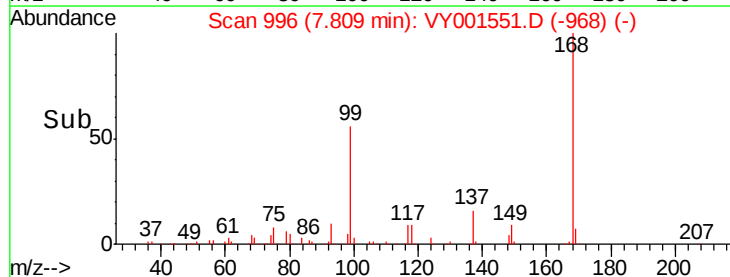
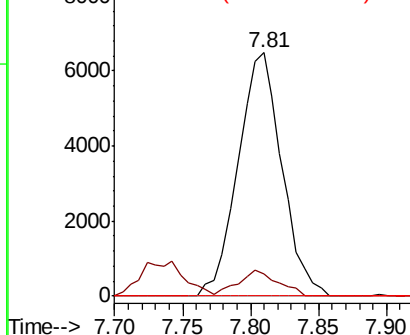


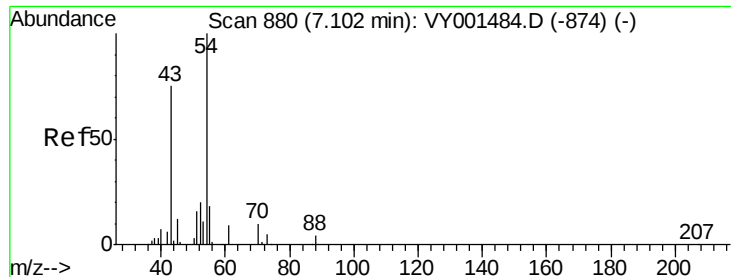
#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001551.D
 Acq: 07 Feb 2020 13:59

Tgt Ion: 75 Resp: 14573
 Ion Ratio Lower Upper
 75 100
 110 9.6 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

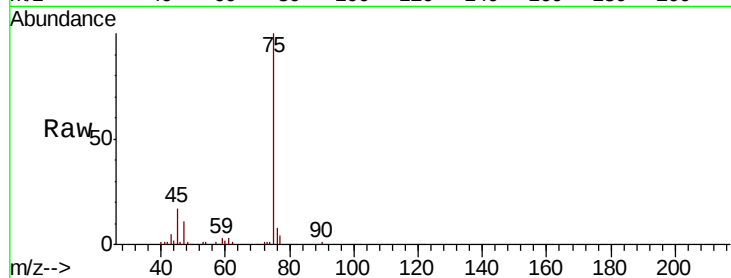




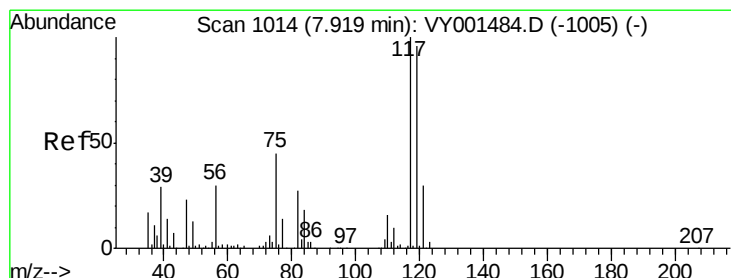
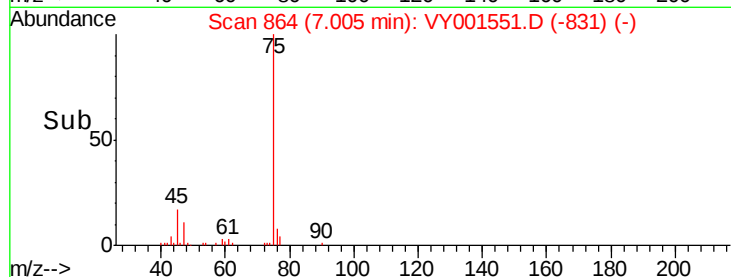
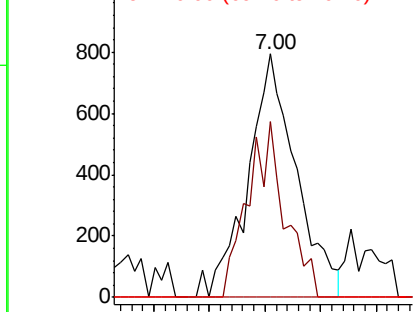
#37
Ethyl Acetate
Concen: 1.678 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.10 min
Lab File: VY001551.D
Acq: 07 Feb 2020 13:59

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
61 55.8 12.0 18.0#
70 0.0 10.2 15.4#

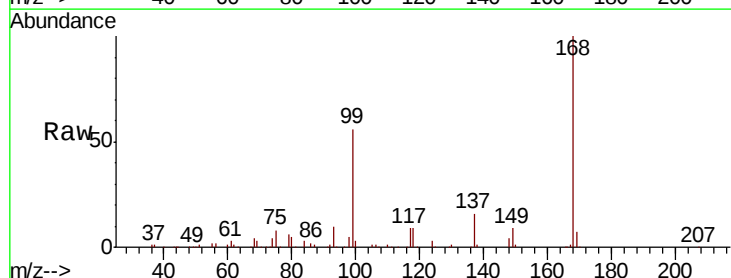


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

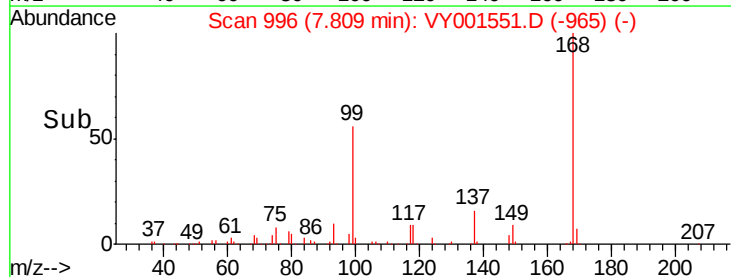
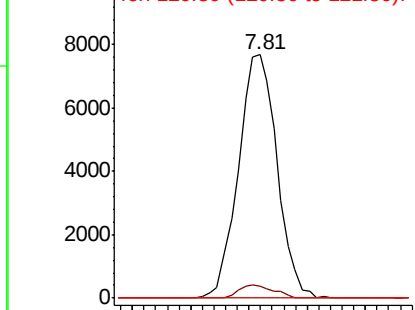


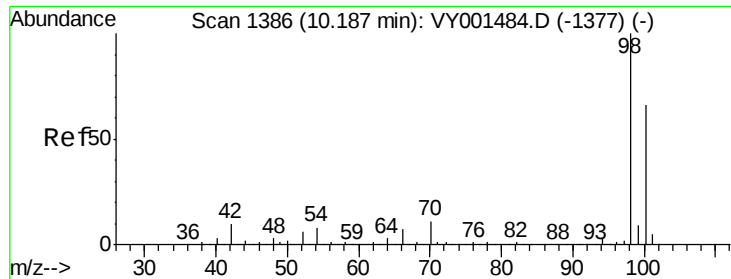
#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY001551.D
Acq: 07 Feb 2020 13:59

Tgt Ion: 117 Resp: 17762
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: 55.257 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

Instrument :

MSVOA_Y

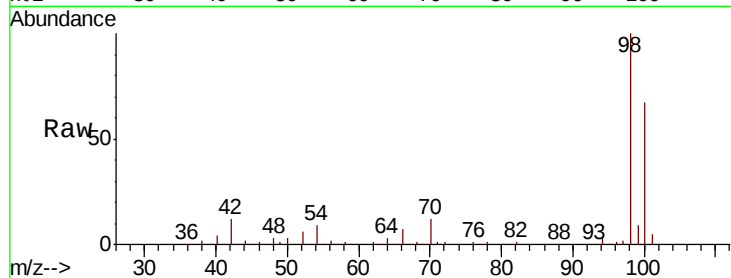
ClientSampleId :

Tot Ion: 98 Resp: 389359

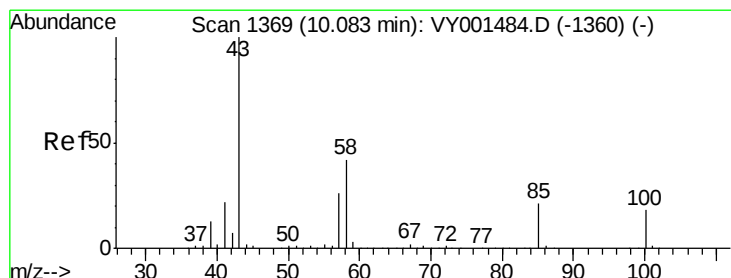
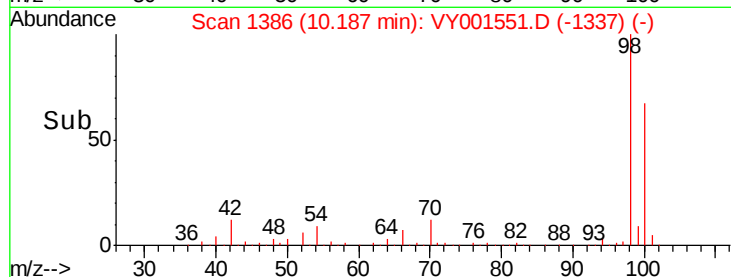
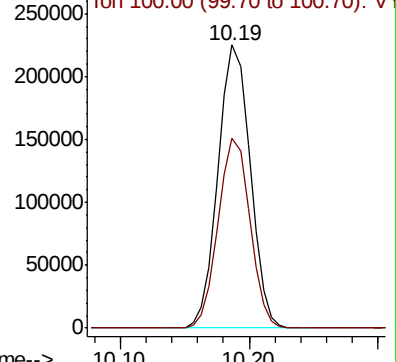
Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.406 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001551.D

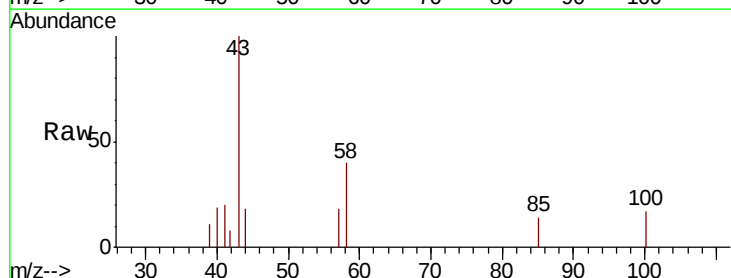
Acq: 07 Feb 2020 13:59

Tgt Ion: 43 Resp: 1961

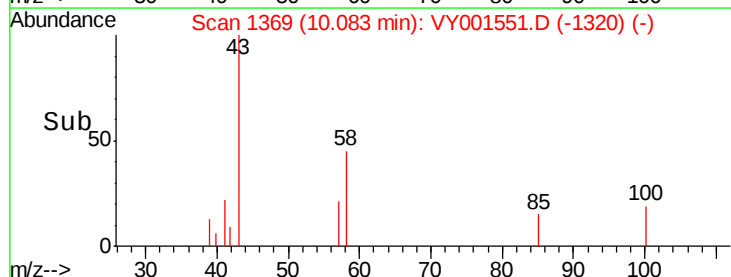
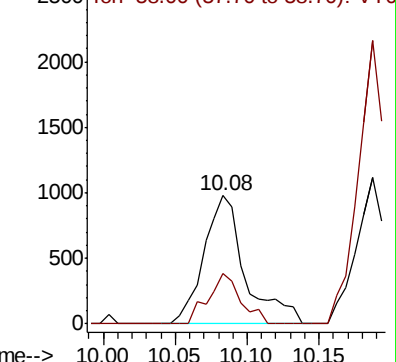
Ion Ratio Lower Upper

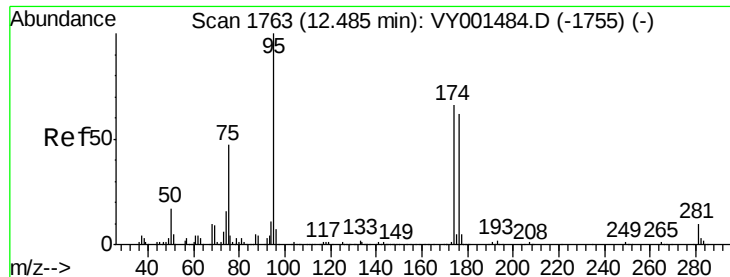
43 100

58 31.0 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1360) (-)





#62

4-Bromofluorobenzene

Concen: 47.559 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

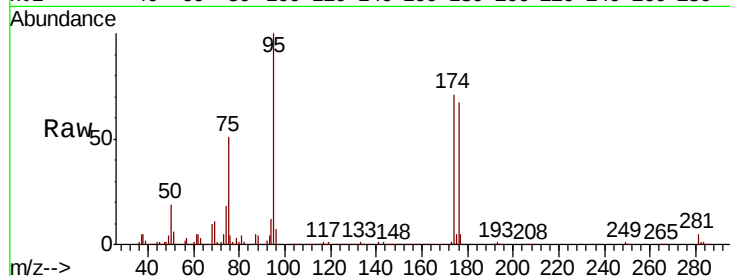
Tot Ion: 95 Resp: 132018

Ion Ratio Lower Upper

95 100

174 75.3 0.0 141.4

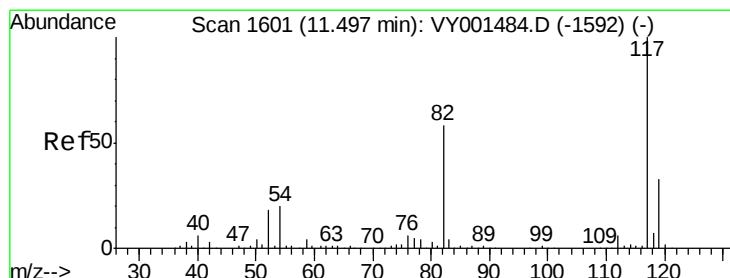
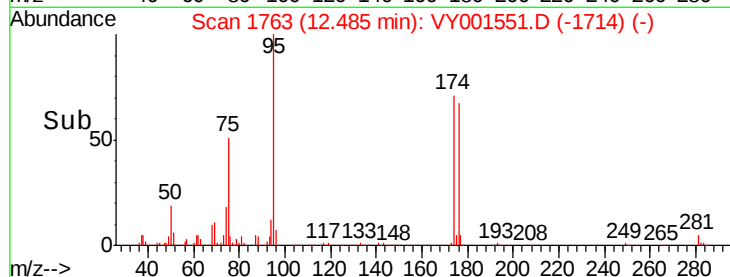
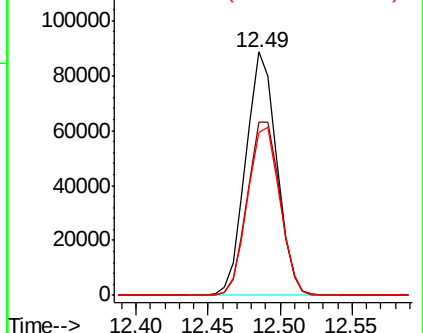
176 72.2 0.0 135.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

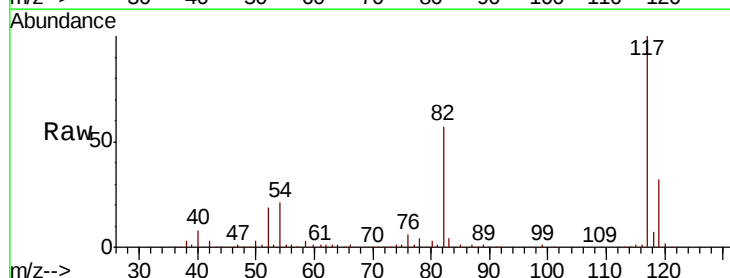
Tgt Ion: 117 Resp: 289599

Ion Ratio Lower Upper

117 100

82 57.0 46.1 69.1

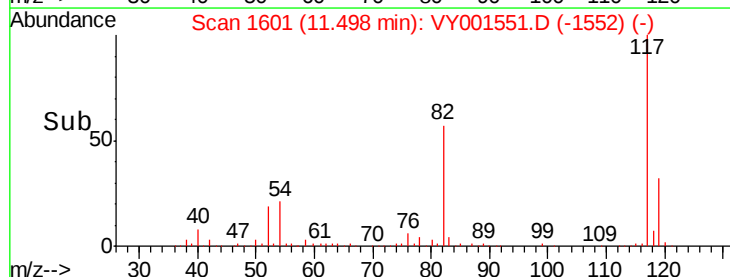
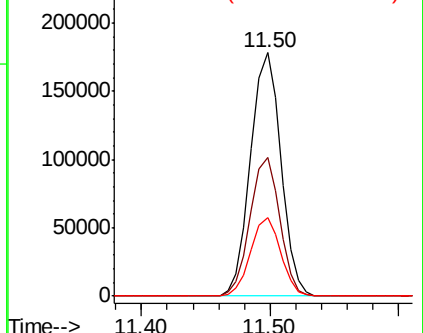
119 32.3 26.1 39.1

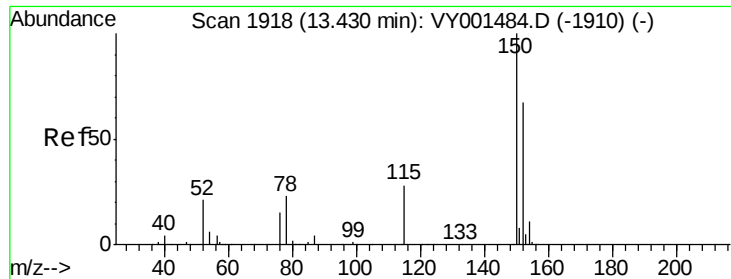


Abundance Ion 116.90 (116.60 to 117.60): VY001484.D (-1592) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

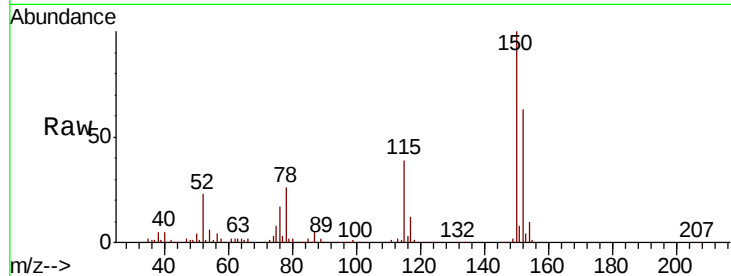
Tot Ion:152 Resp: 129133

Ion Ratio Lower Upper

152 100

115 59.5 31.4 94.3

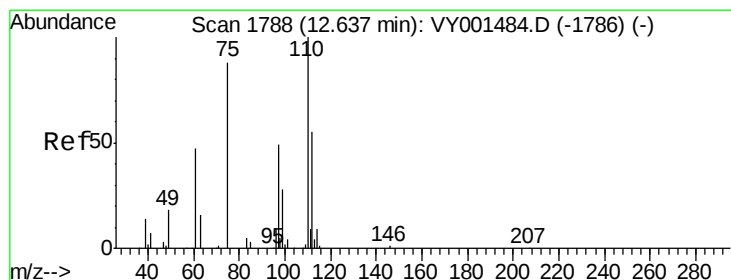
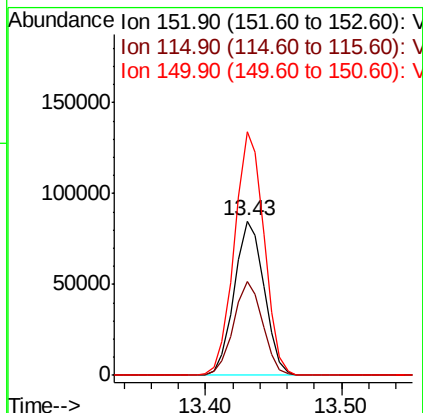
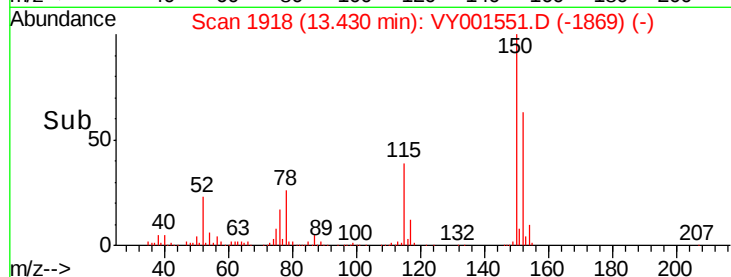
150 157.4 0.0 346.8



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: 48.388 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001551.D

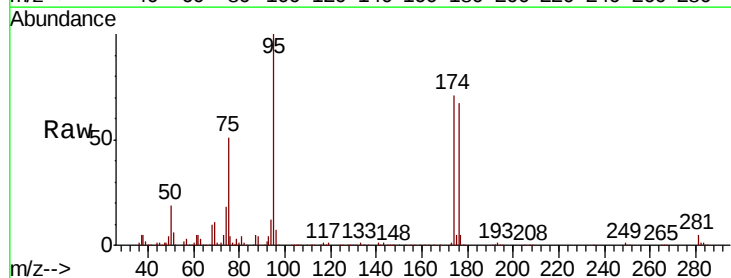
Acq: 07 Feb 2020 13:59

Tgt Ion: 75 Resp: 67196

Ion Ratio Lower Upper

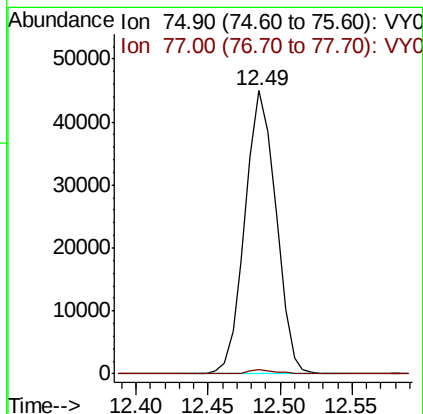
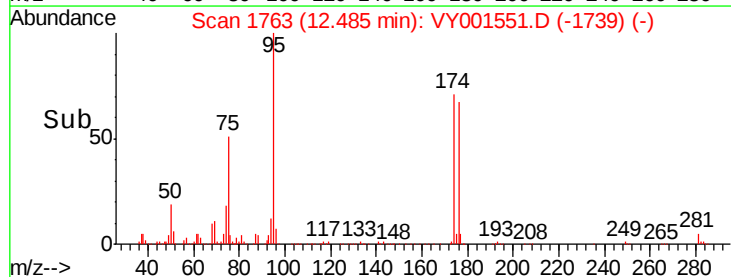
75 100

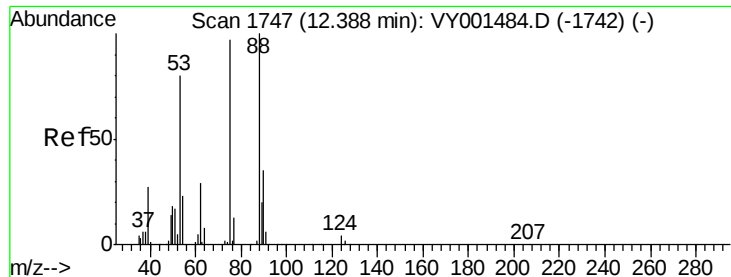
77 1.3 0.0 0.0#



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: 93.628 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001551.D

Acq: 07 Feb 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

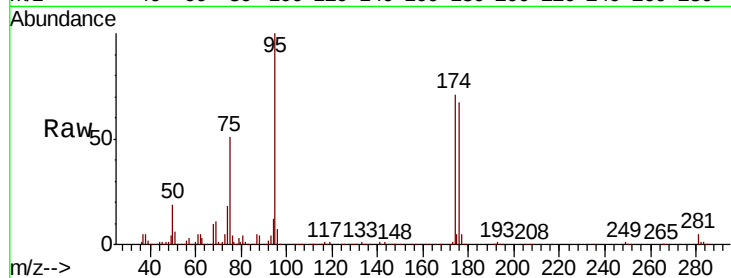
Tot Ion: 75 Resp: 67196

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



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

