

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001729.D
 Acq On : 20 Feb 2020 17:33
 Operator : SY/MD
 Sample : L1624-02RE
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:06:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	61135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	102196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	78932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	31881	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	30089	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	7.75	113	27520	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.20	98	117054	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.50	95	34612	38.85	ug/l	0.00
Spiked Amount			Recovery	=	77.70%	

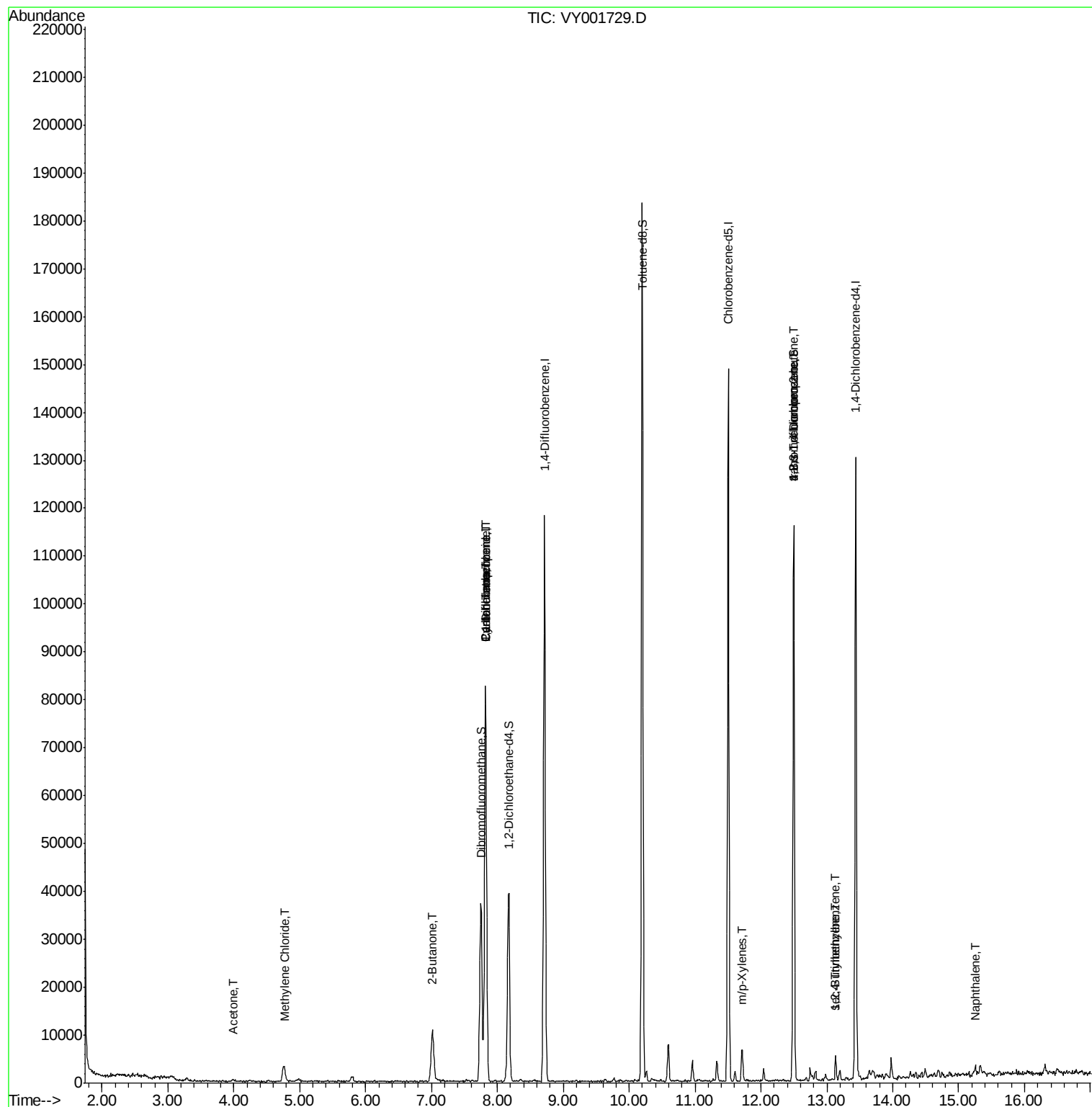
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	432	Below Cal	#	74
16) Acetone	3.99	43	613	2.694	ug/l	95
20) Methylene Chloride	4.76	84	2373	2.936	ug/l #	81
25) 2-Butanone	7.02	43	742	2.401	ug/l #	48
31) Cyclohexane	7.82	56	1528	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	4919	5.039	ug/l #	49
38) Carbon Tetrachloride	7.82	117	6648	7.753	ug/l #	17
68) m/p-Xylenes	11.72	106	2104	1.926	ug/l	97
76) 1,2,3-Trichloropropane	12.50	75	18419	50.364	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	18419	95.549	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	2936	1.465	ug/l	100
85) sec-Butylbenzene	13.13	105	2936	1.187	ug/l #	57
95) Naphthalene	15.25	128	1776	1.233	ug/l #	95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
Data File : VY001729.D
Acq On : 20 Feb 2020 17:33
Operator : SY/MD
Sample : L1624-02RE
Misc : 4.99G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 21 08:06:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

Instrument :

MSVOA_Y

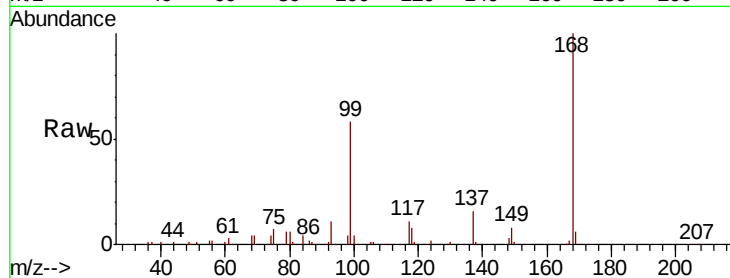
ClientSampleId :

Tot Ion:168 Resp: 61135

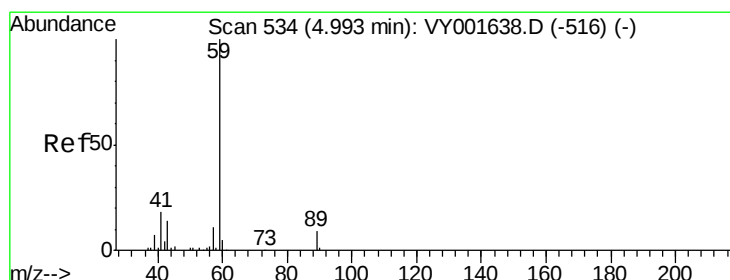
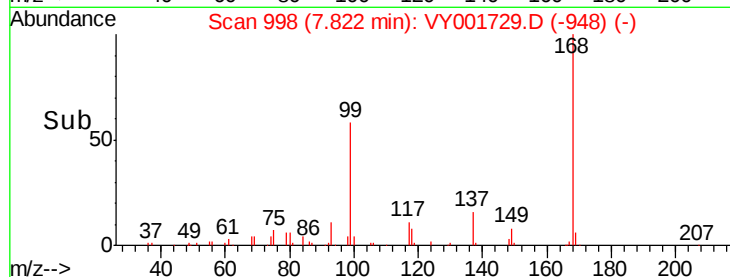
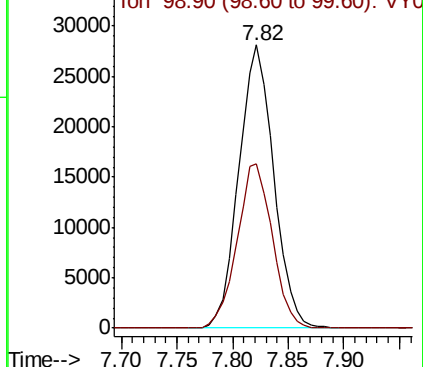
Ion Ratio Lower Upper

168 100

99 58.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001729.D

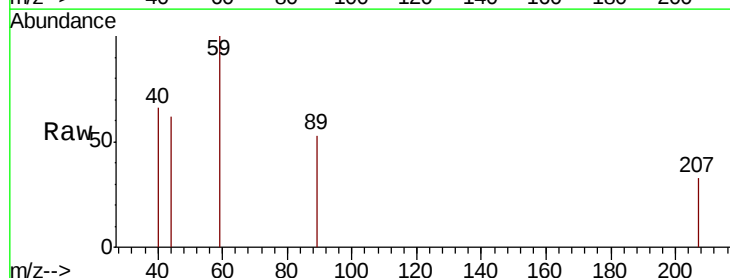
Acq: 20 Feb 2020 17:33

Tgt Ion: 59 Resp: 432

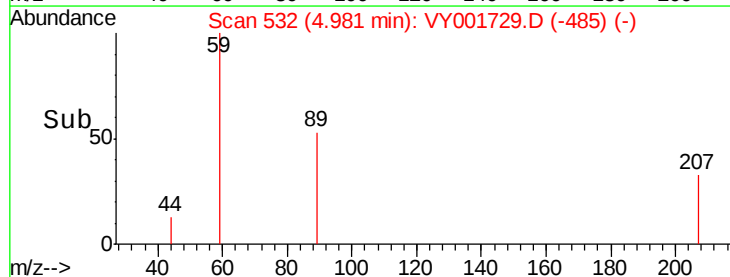
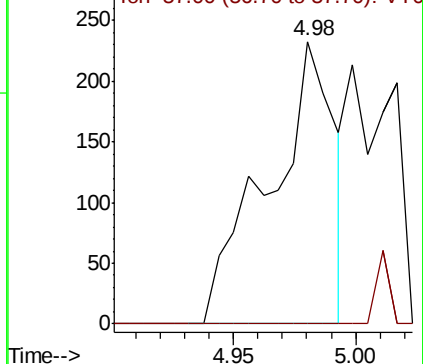
Ion Ratio Lower Upper

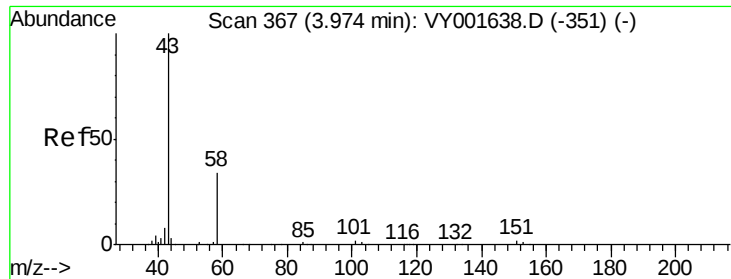
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

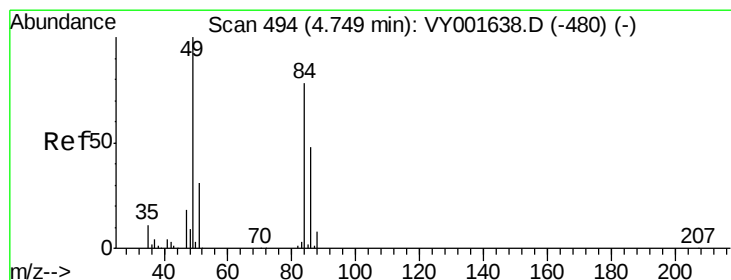
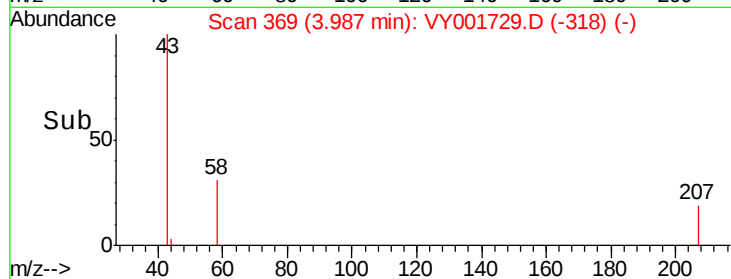
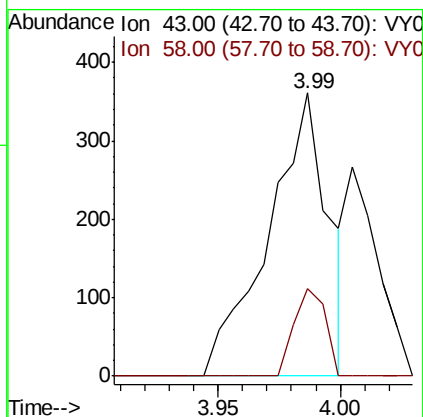
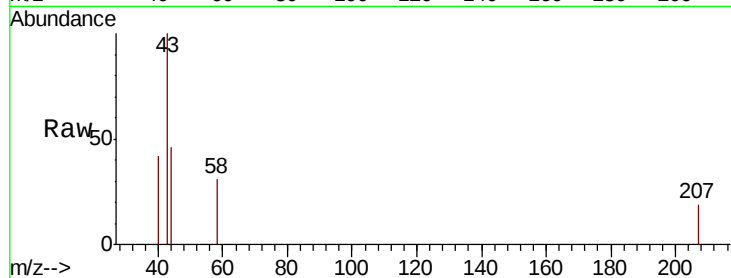




#16
Acetone
Concen: 2.694 ug/l
RT: 3.99 min Scan# 369
Delta R.T. 0.01 min
Lab File: VY001729.D
Acq: 20 Feb 2020 17:33

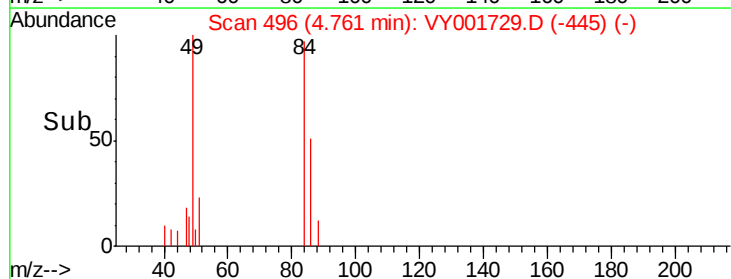
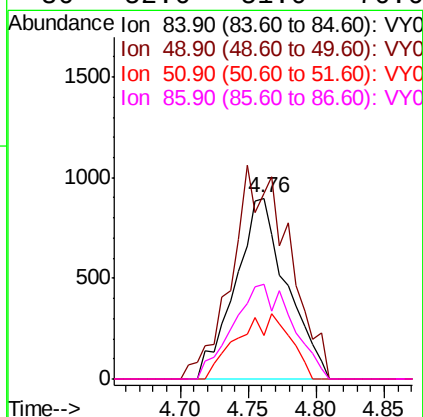
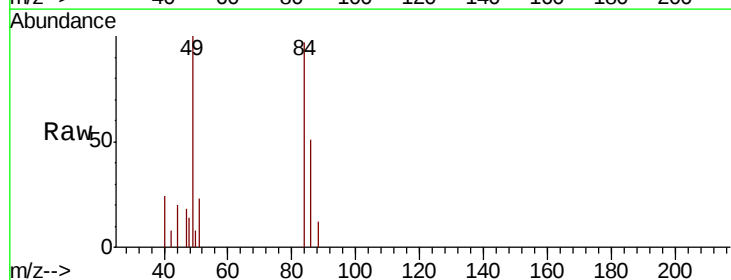
Instrument :
MSVOA_Y
ClientSampleId :

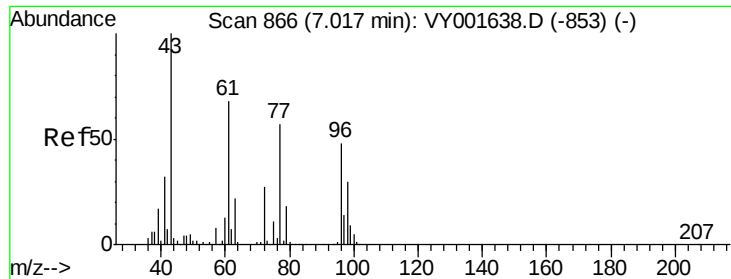
Tot Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 31.0 27.3 40.9



#20
Methylene Chloride
Concen: 2.936 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001729.D
Acq: 20 Feb 2020 17:33

Tgt Ion: 84 Resp: 2373
Ion Ratio Lower Upper
84 100
49 102.7 99.2 148.8
51 24.0 31.5 47.3#
86 52.6 51.0 76.6

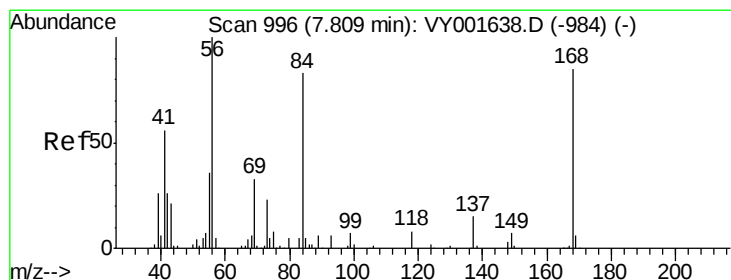
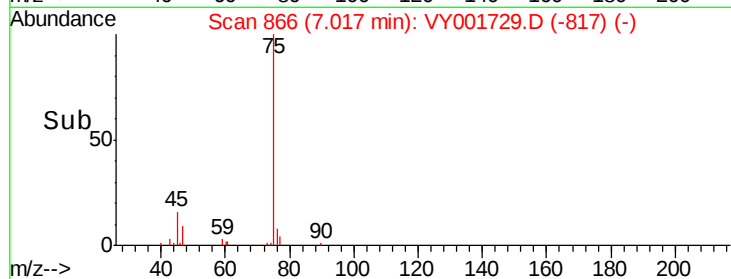
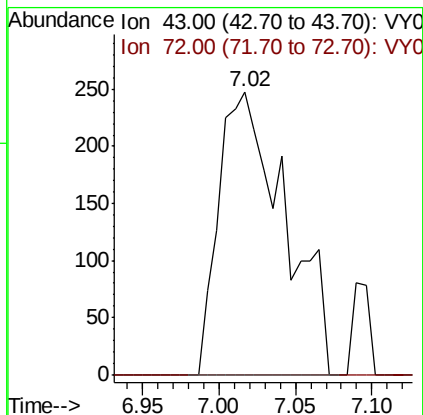
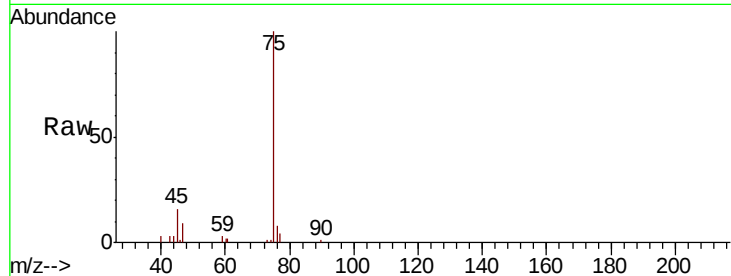




#25
2-Butanone
Concen: 2.401 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001729.D
Acq: 20 Feb 2020 17:33

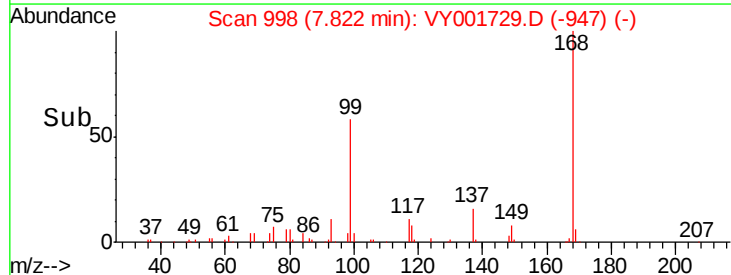
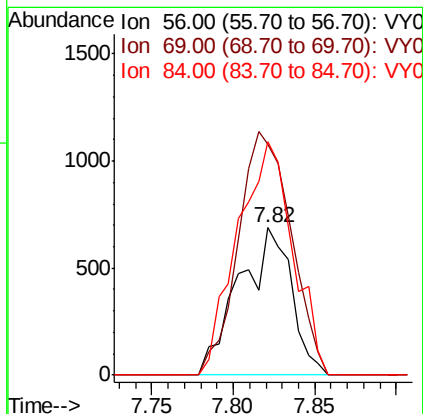
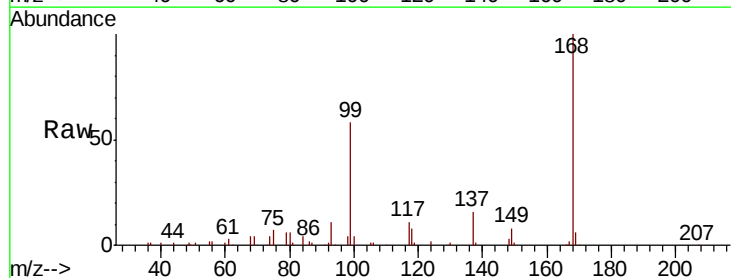
Instrument :
MSVOA_Y
ClientSampled :

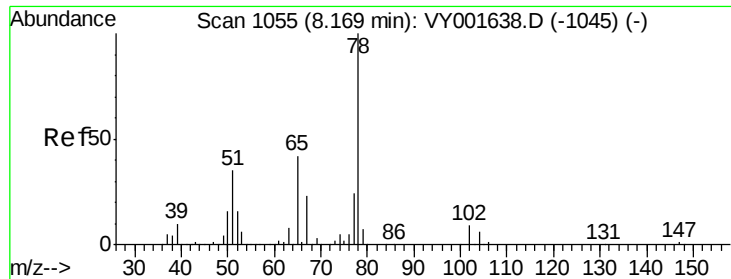
Tot Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001729.D
Acq: 20 Feb 2020 17:33

Tgt Ion: 56 Resp: 1528
Ion Ratio Lower Upper
56 100
69 156.8 25.1 37.7#
84 158.4 66.9 100.3#

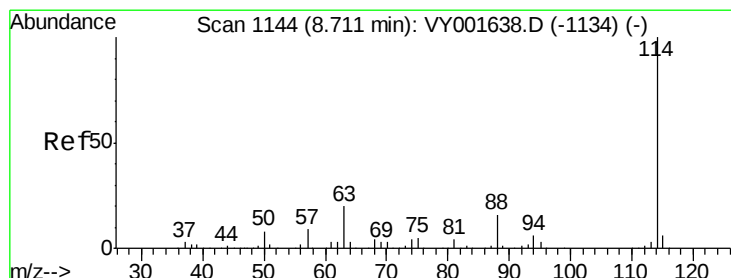
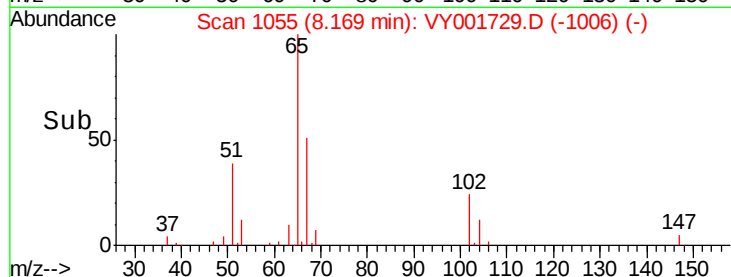
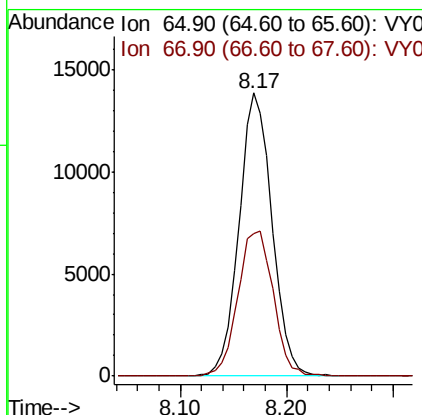
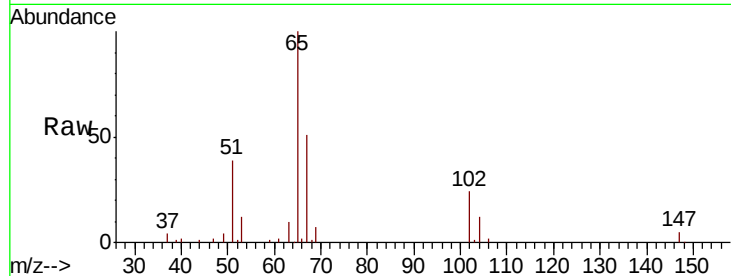




#33
 1,2-Dichloroethane-d4
 Concen: 45.756 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

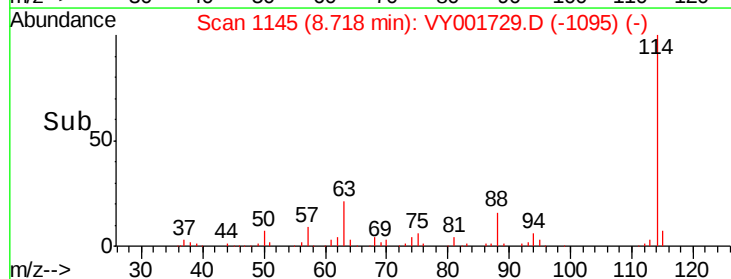
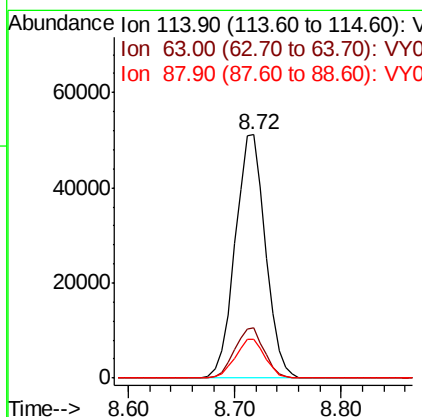
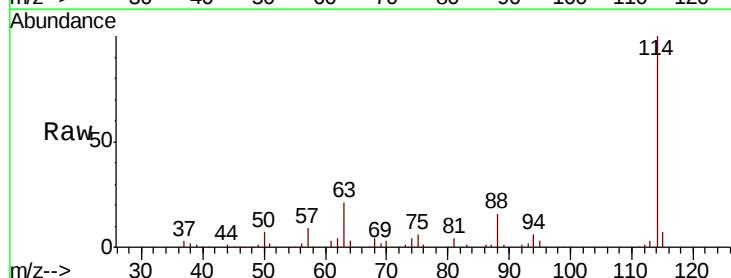
Instrument :
 MSVOA_Y
 ClientSampleId :

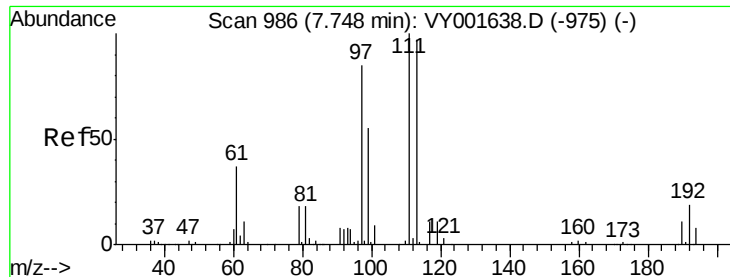
Tot Ion: 65 Resp: 30089
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

Tgt Ion: 114 Resp: 102196
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 16.1 0.0 32.8

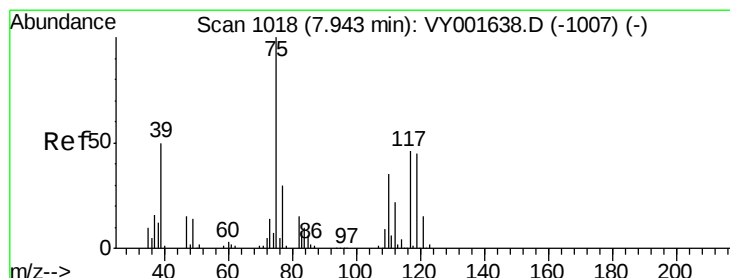
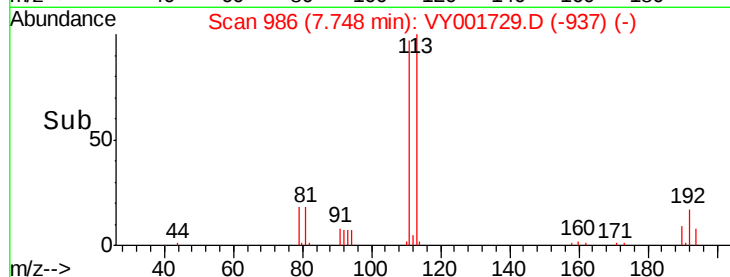
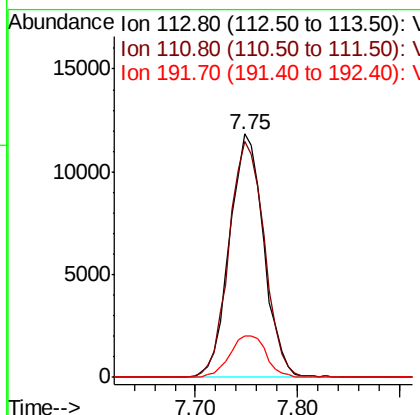
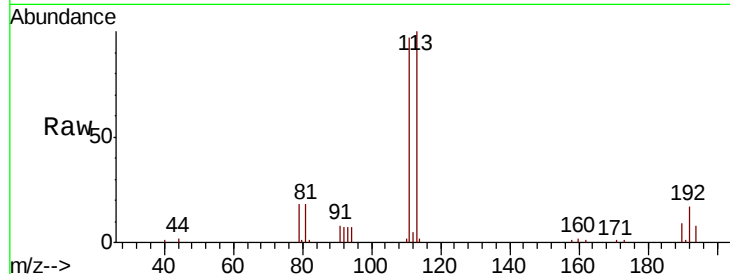




#35
 Dibromofluoromethane
 Concen: 47.016 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

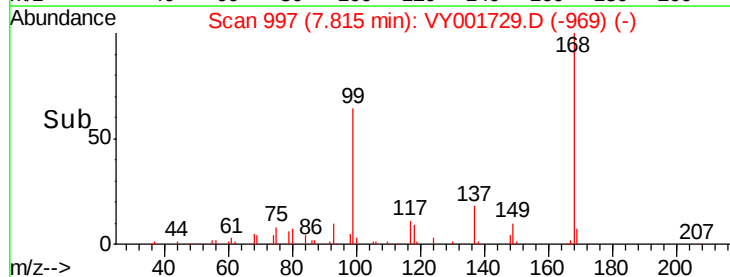
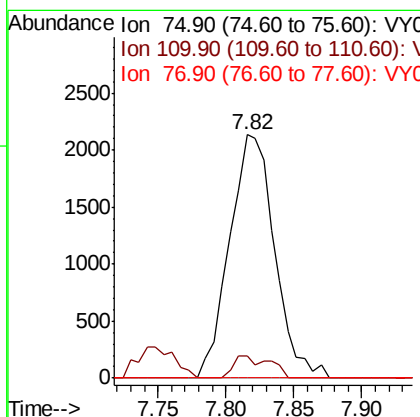
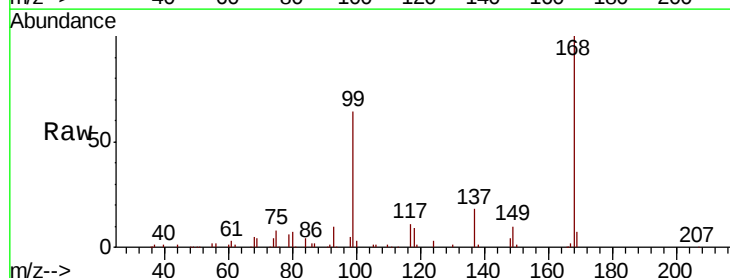
Instrument :
 MSVOA_Y
 ClientSampleId :

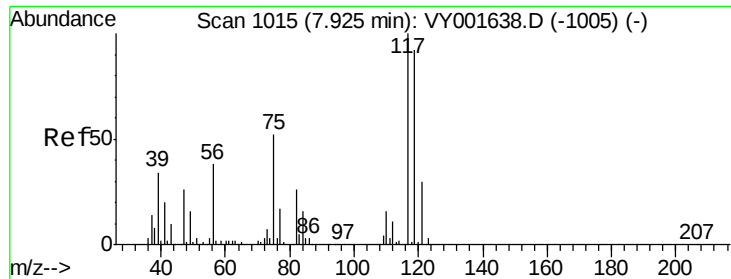
Tot Ion:113 Resp: 27520
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.9 122.9
 192 17.9 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

Tgt Ion: 75 Resp: 4919
 Ion Ratio Lower Upper
 75 100
 110 7.3 17.2 51.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.753 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

Instrument :

MSVOA_Y

ClientSampled :

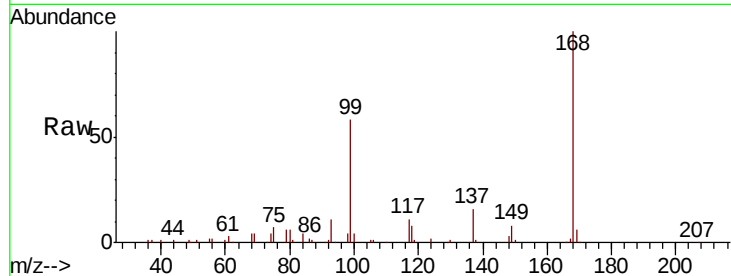
Tot Ion:117 Resp: 6648

Ion Ratio Lower Upper

117 100

119 4.6 74.8 112.2#

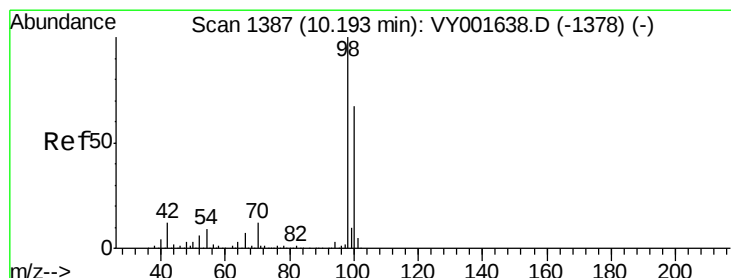
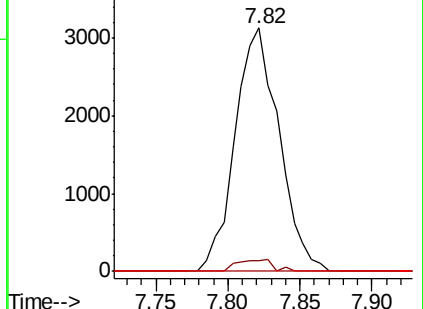
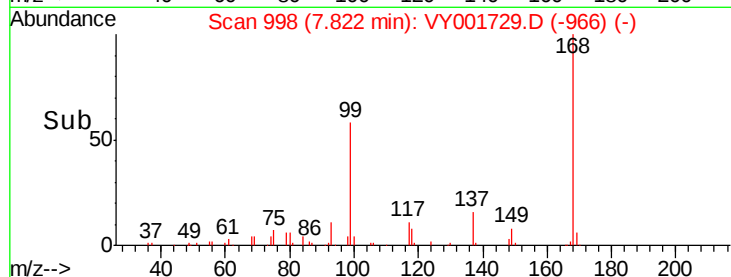
121 0.0 23.8 35.6#



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: 51.045 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001729.D

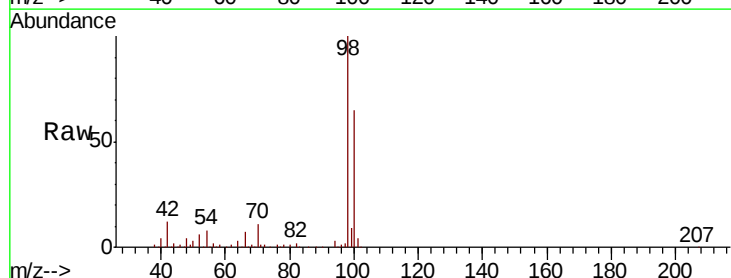
Acq: 20 Feb 2020 17:33

Tgt Ion: 98 Resp: 117054

Ion Ratio Lower Upper

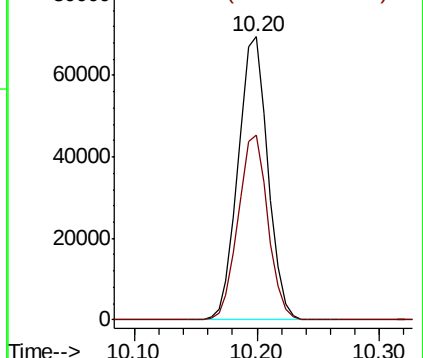
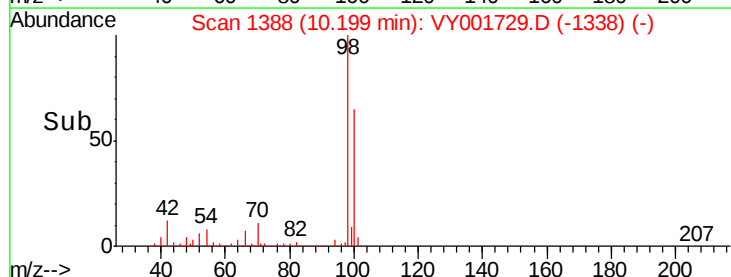
98 100

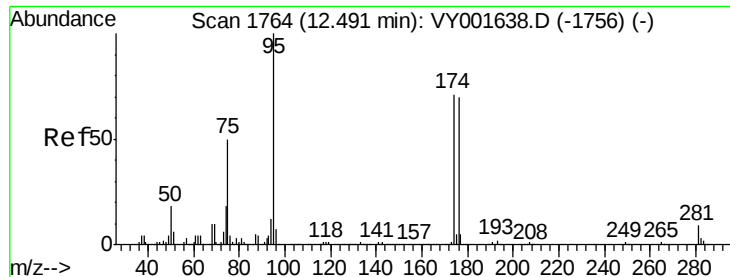
100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 38.852 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

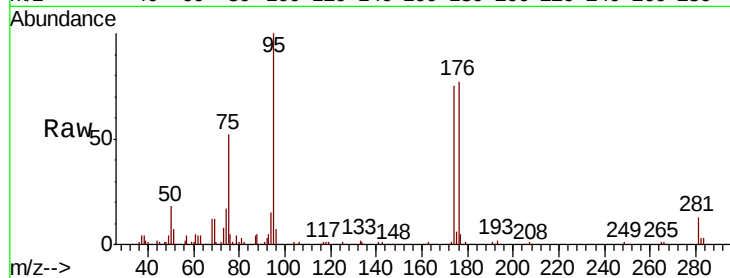
Tot Ion: 95 Resp: 34612

Ion Ratio Lower Upper

95 100

174 72.2 0.0 138.4

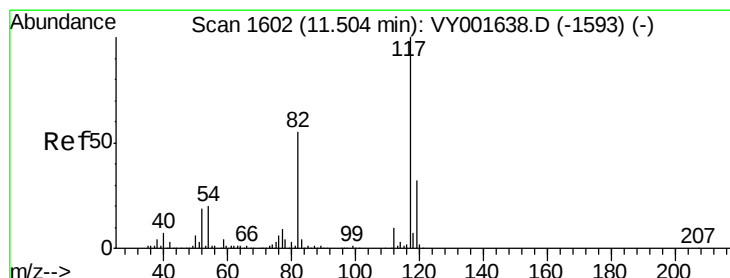
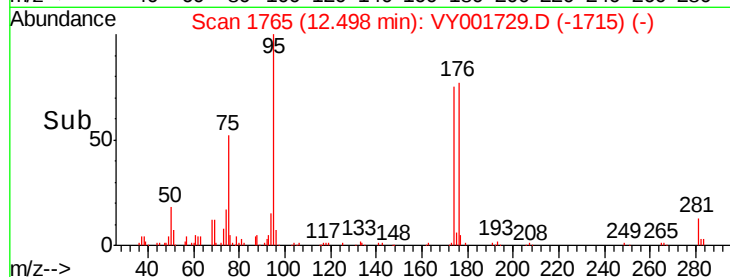
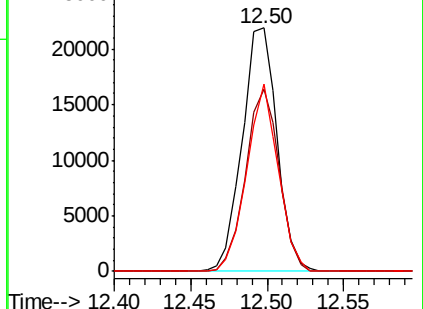
176 69.7 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001729.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001729.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001729.D (-1715) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

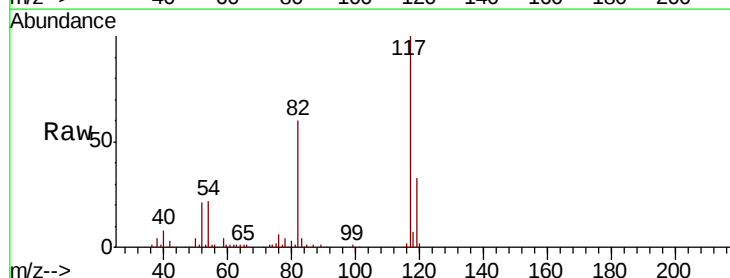
Tgt Ion: 117 Resp: 78932

Ion Ratio Lower Upper

117 100

82 59.7 45.5 68.3

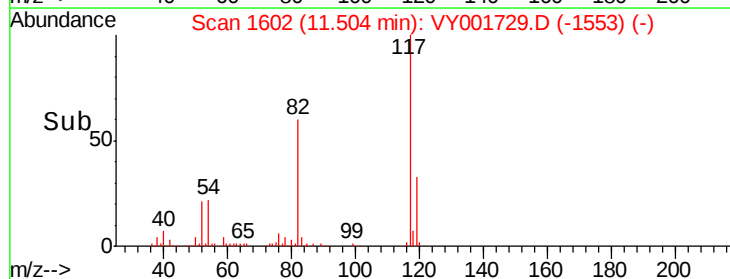
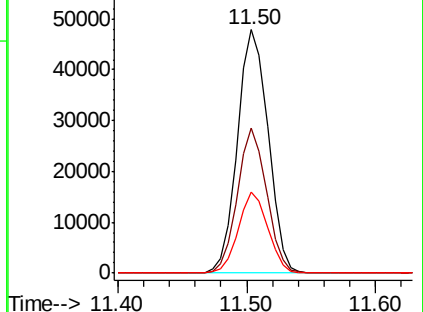
119 33.4 25.8 38.6

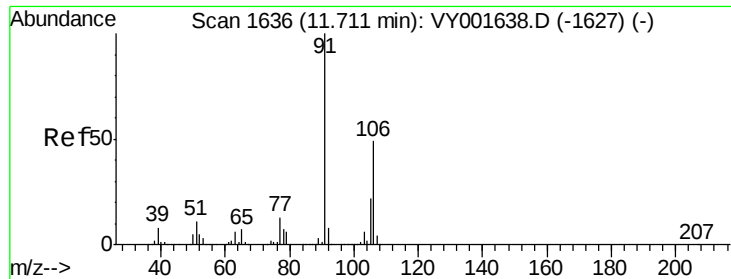


Abundance Ion 116.90 (116.60 to 117.60): VY001729.D (-1553) (-)

Ion 82.00 (81.70 to 82.70): VY001729.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001729.D (-1553) (-)





#68

m/p-Xvlenes

Concen: 1.926 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

Instrument :

MSVOA_Y

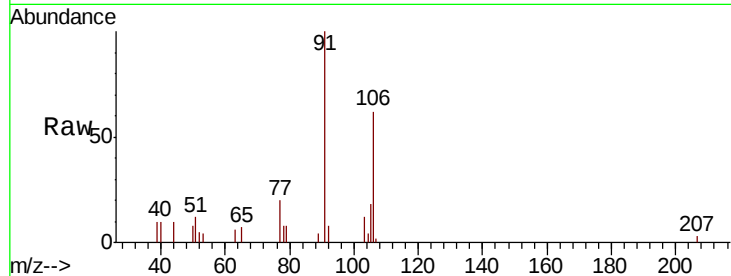
ClientSampled :

Tot Ion:106 Resp: 2104

Ion Ratio Lower Upper

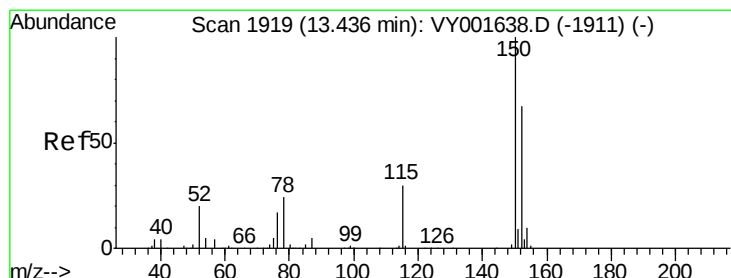
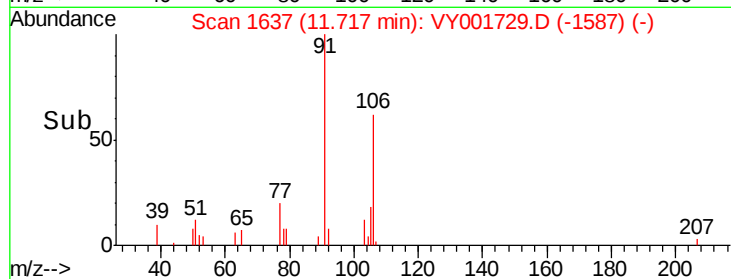
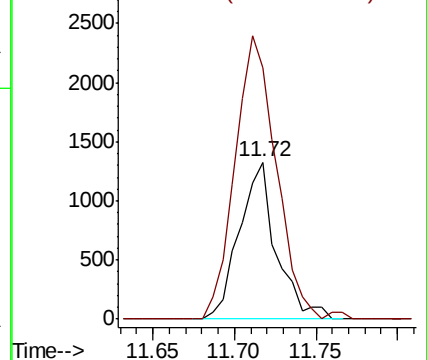
106 100

91 199.1 163.3 244.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

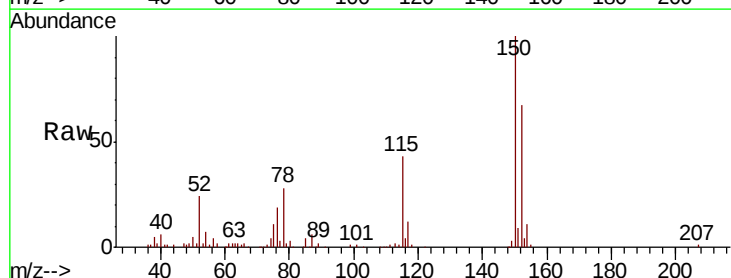
Tgt Ion:152 Resp: 31881

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.2

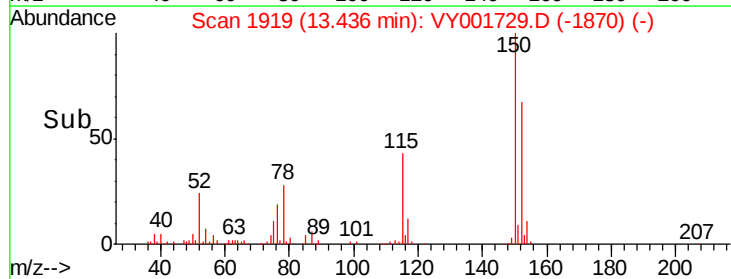
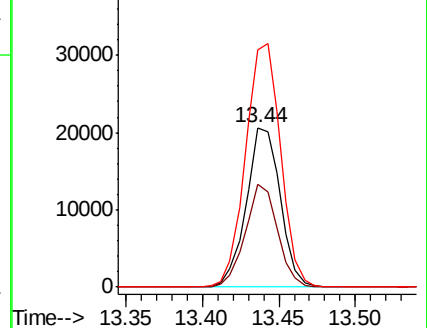
150 157.3 0.0 407.2

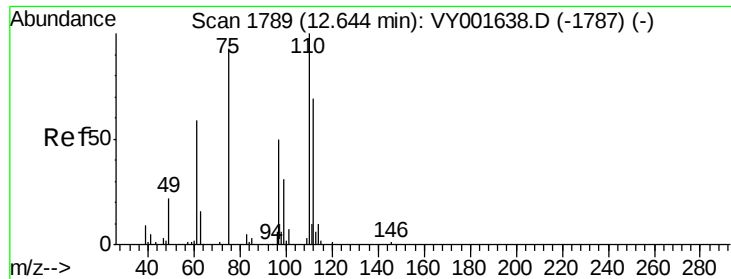


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.364 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

Instrument :

MSVOA_Y

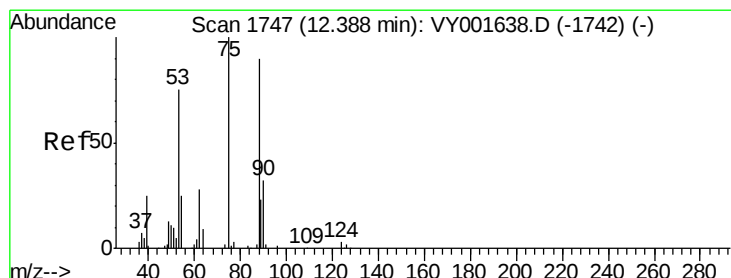
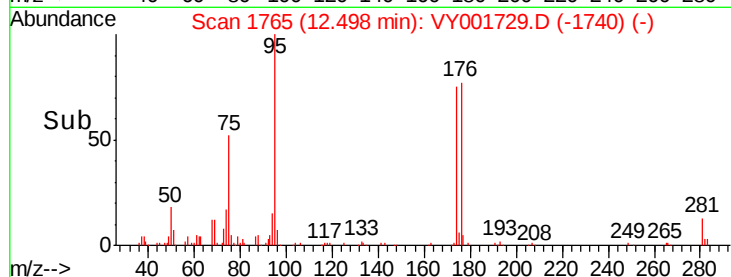
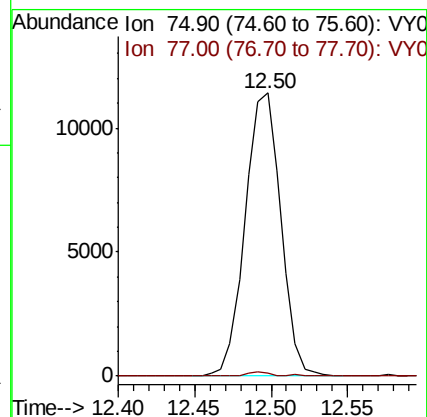
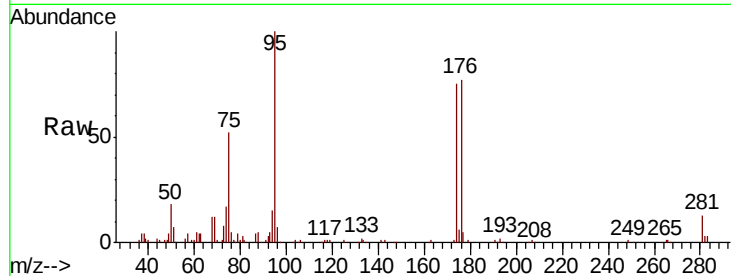
ClientSampleId :

Tot Ion: 75 Resp: 18419

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.549 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001729.D

Acq: 20 Feb 2020 17:33

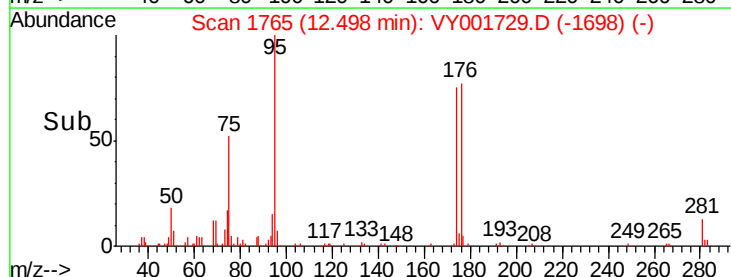
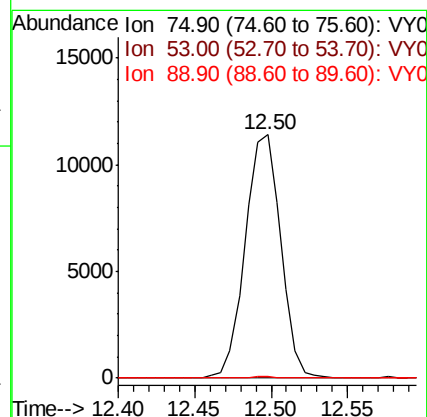
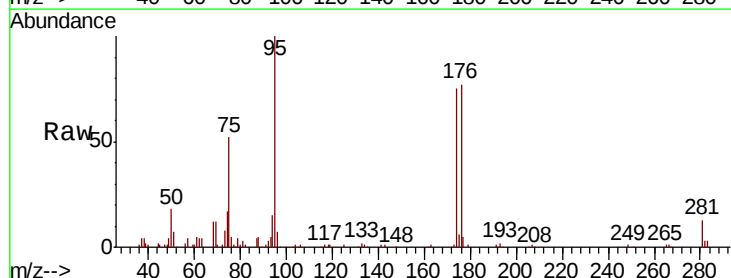
Tgt Ion: 75 Resp: 18419

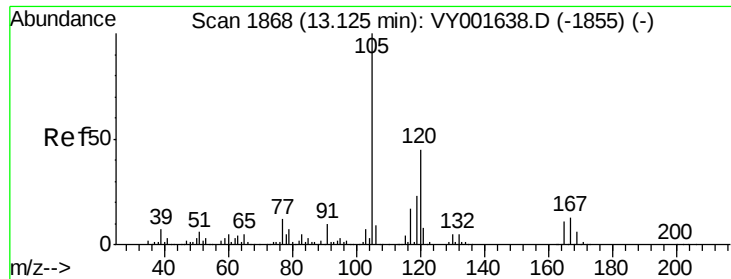
Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#

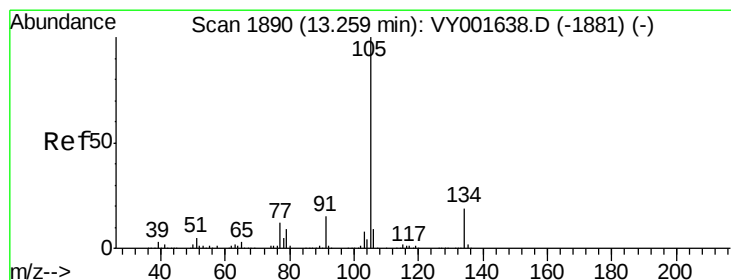
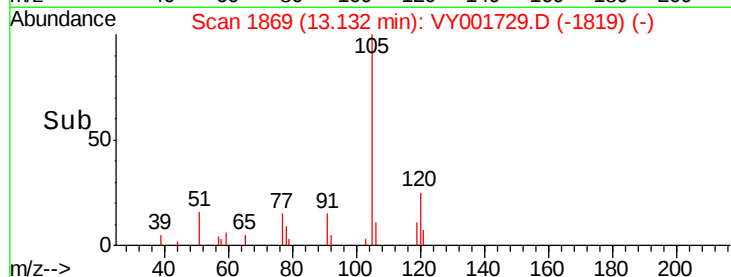
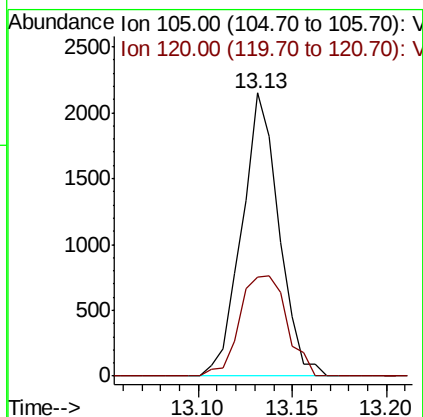
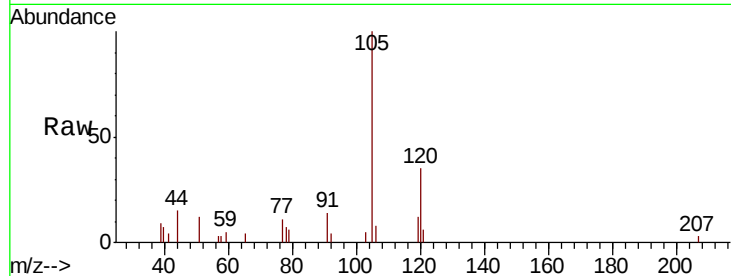




#84
 1,2,4-Trimethylbenzene
 Concen: 1.465 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

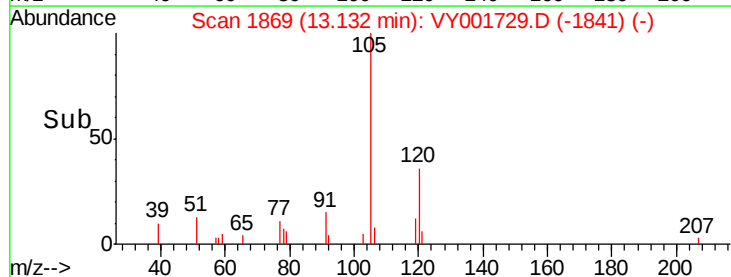
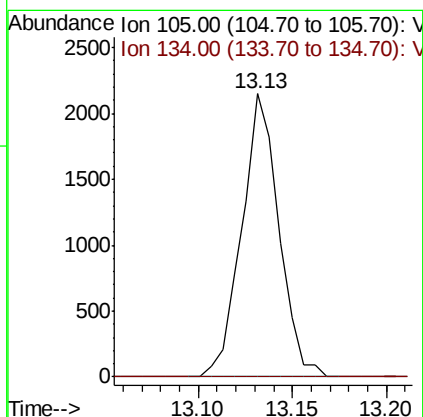
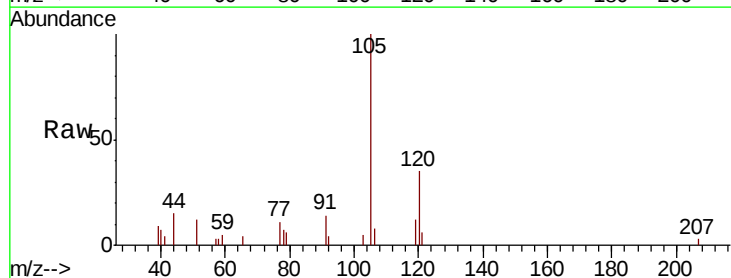
Instrument :
 MSVOA_Y
 ClientSampleId :

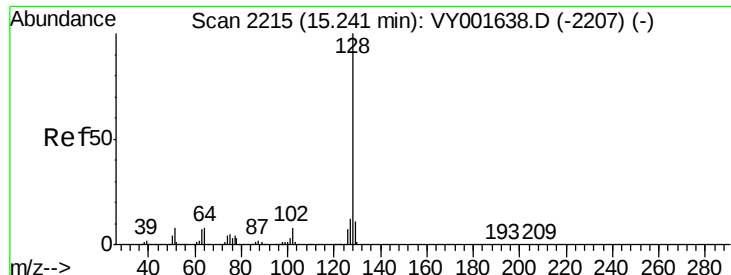
Tot Ion:105 Resp: 2936
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 1.187 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.13 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

Tgt Ion:105 Resp: 2936
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

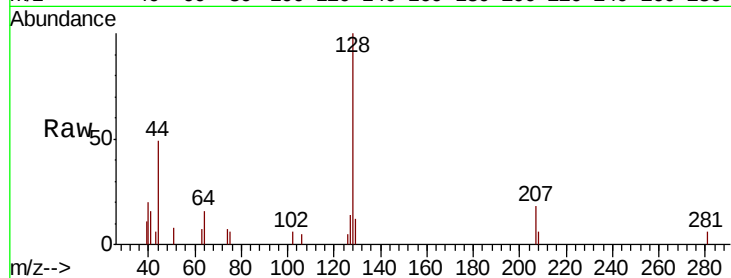




#95
 Naphthalene
 Concen: 1.233 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY001729.D
 Acq: 20 Feb 2020 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.9	14.9
129	8.1	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

