

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002157.D
 Acq On : 01 Apr 2020 13:05
 Operator : SY/MD
 Sample : L2103-01
 Misc : 7.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:21:55 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

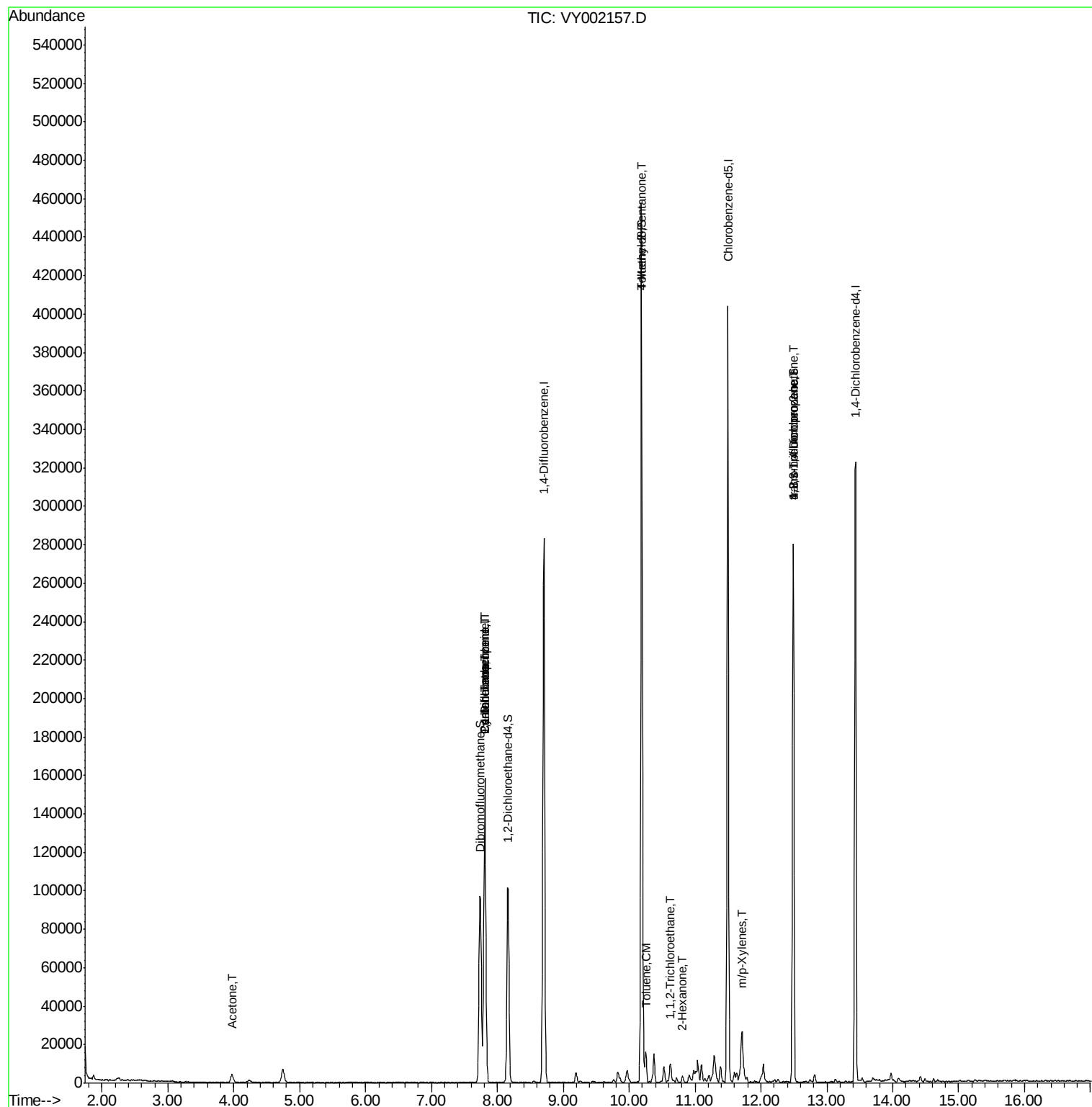
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	118884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	237924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	215107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	79508	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	76115	57.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.84%	
35) Dibromofluoromethane	7.74	113	71535	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.19	98	289793	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.49	95	91463	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
Target Compounds						
16) Acetone	3.97	43	7746	20.979	ug/l	96
20) Methylene Chloride	4.74	84	5247	Below Cal		88
31) Cyclohexane	7.80	56	2907	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	10208	4.536	ug/l #	49
38) Carbon Tetrachloride	7.81	117	12160	6.369	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	1802	1.386	ug/l #	1
52) Toluene	10.25	92	6329	1.570	ug/l	99
55) 1,1,2-Trichloroethane	10.62	97	3792	2.939	ug/l #	21
59) 2-Hexanone	10.80	43	1618	1.767	ug/l #	23
68) m/p-Xylenes	11.70	106	6557	2.300	ug/l	92
76) 1,2,3-Trichloropropane	12.49	75	46036	51.762	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	46036	100.282	ug/l #	17

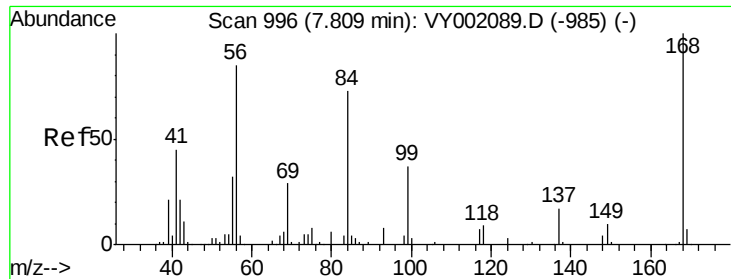
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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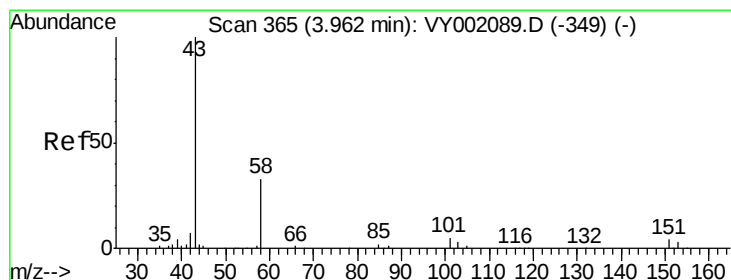
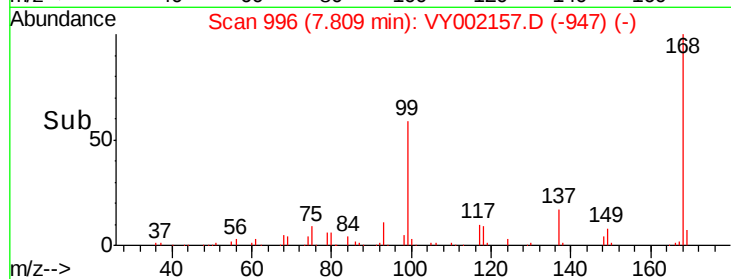
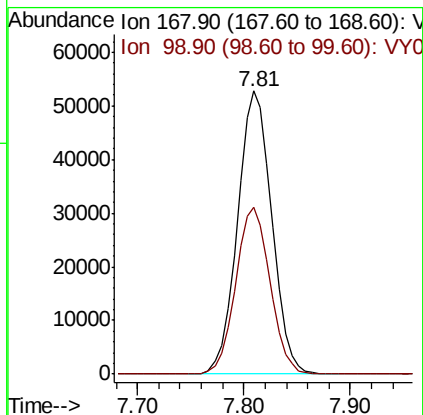
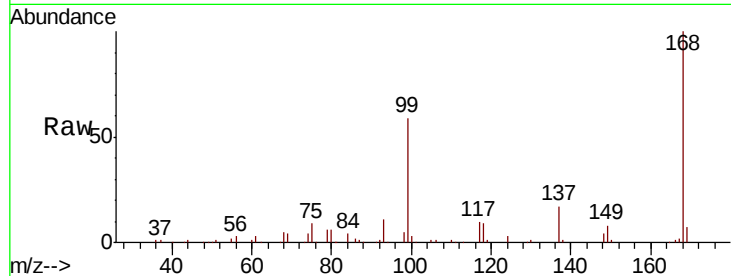


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VY002157.D
 Acq: 01 Apr 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampled :

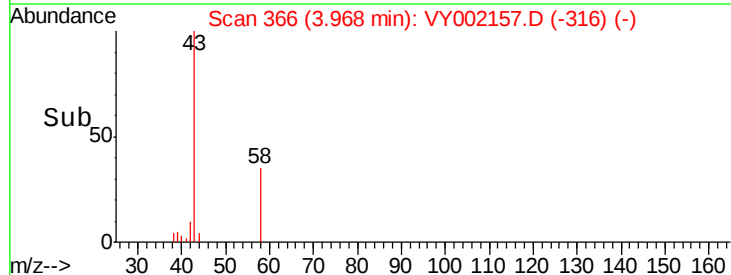
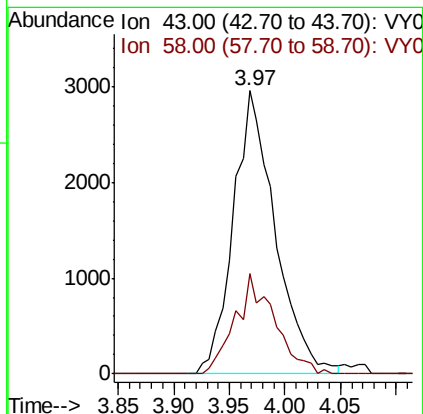
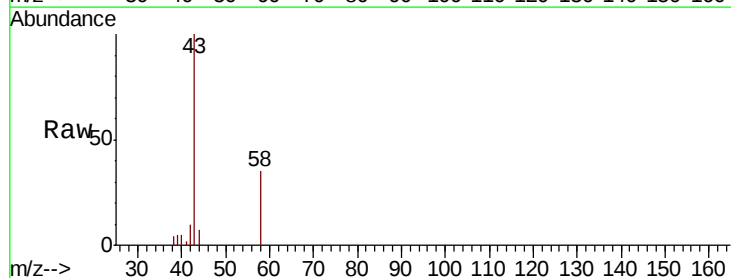
Tot Ion:168 Resp: 118884
 Ion Ratio Lower Upper
 168 100
 99 58.8 47.6 71.4

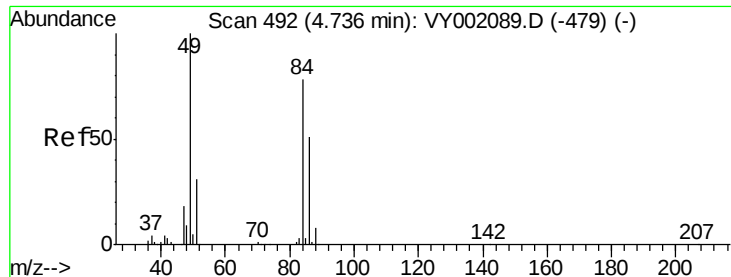


#16

Acetone
 Concen: 20.979 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002157.D
 Acq: 01 Apr 2020 13:05

Tgt Ion: 43 Resp: 7746
 Ion Ratio Lower Upper
 43 100
 58 35.3 26.3 39.5

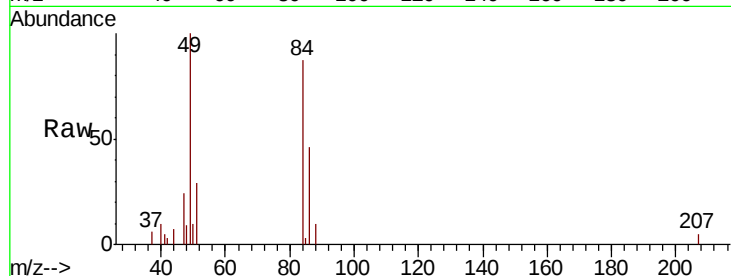




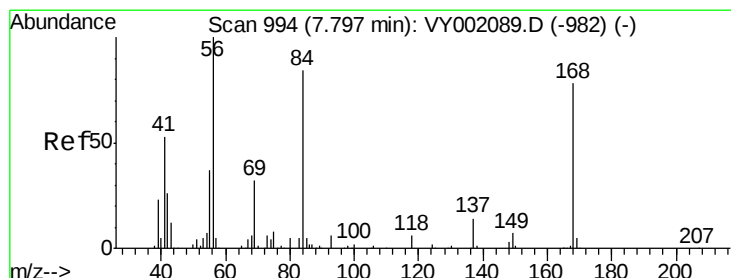
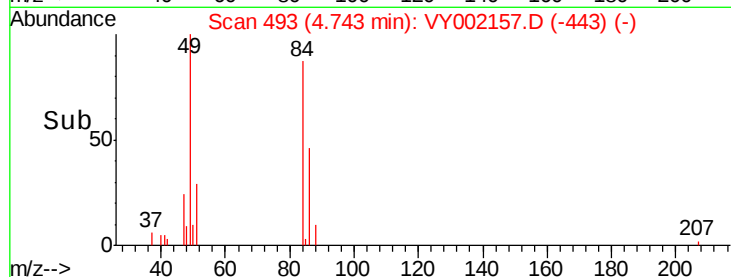
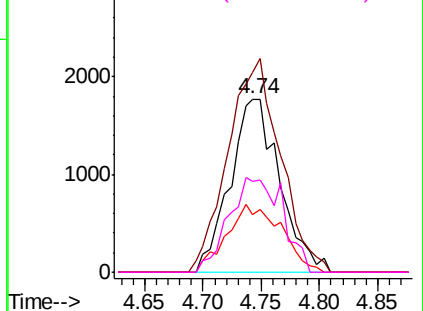
#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002157.D
Acq: 01 Apr 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	5247
Ion	Ratio	Lower	Upper
84	100		
49	115.3	102.2	153.4
51	33.3	31.2	46.8
86	52.7	52.6	78.8

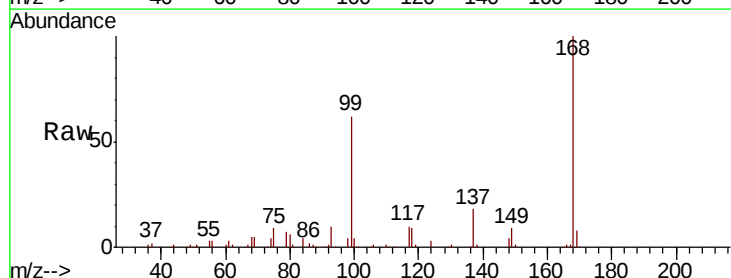


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

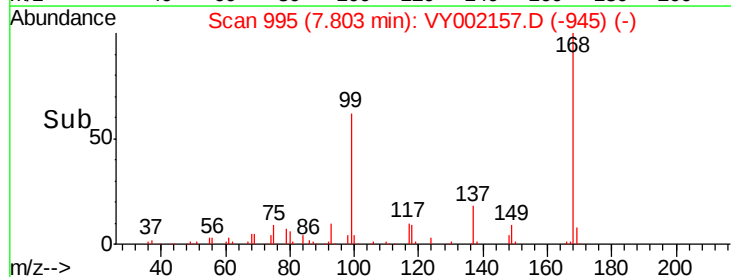
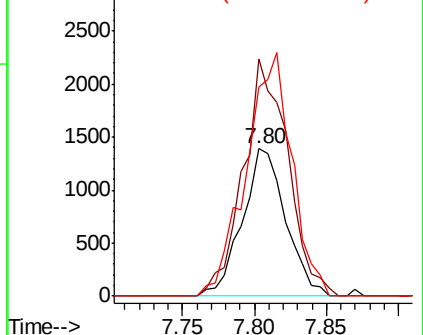


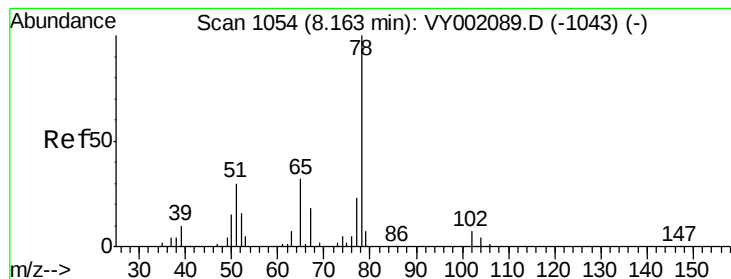
#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002157.D
Acq: 01 Apr 2020 13:05

Tgt Ion:	56	Resp:	2907
Ion	Ratio	Lower	Upper
56	100		
69	160.8	25.8	38.8#
84	142.3	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: 57.916 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

Instrument :

MSVOA_Y

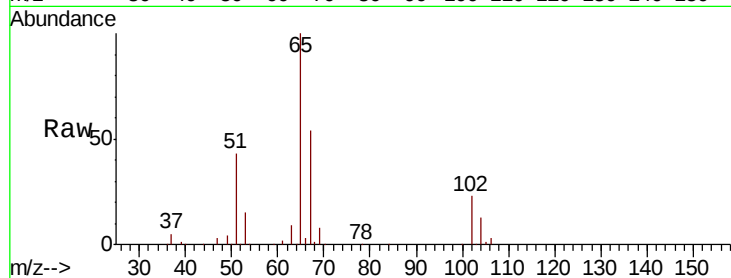
ClientSampleId :

Tot Ion: 65 Resp: 76115

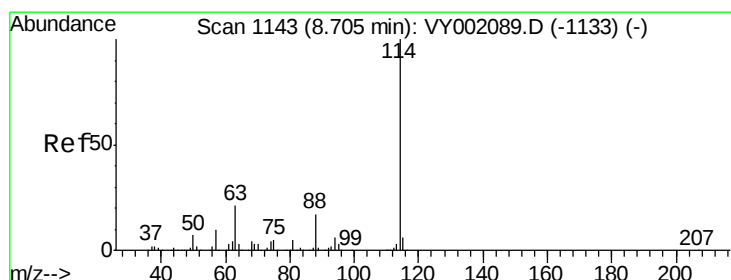
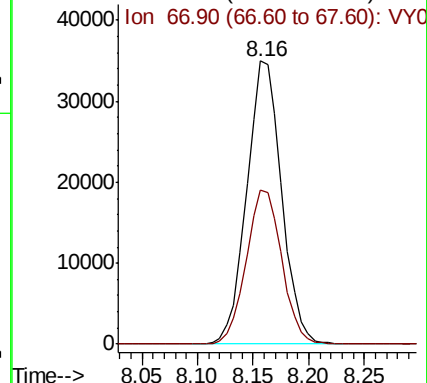
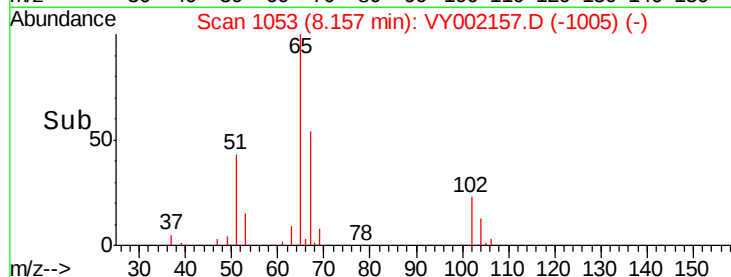
Ion Ratio Lower Upper

65 100

67 55.5 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002157.D (-1005) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

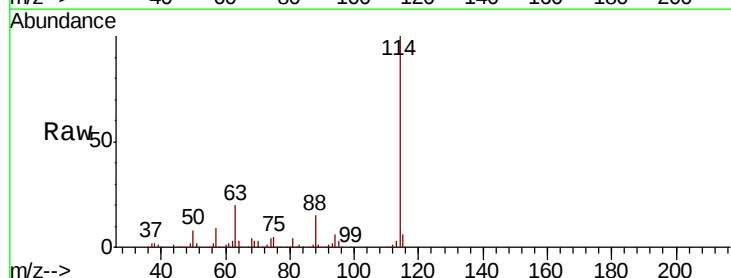
Tgt Ion: 114 Resp: 237924

Ion Ratio Lower Upper

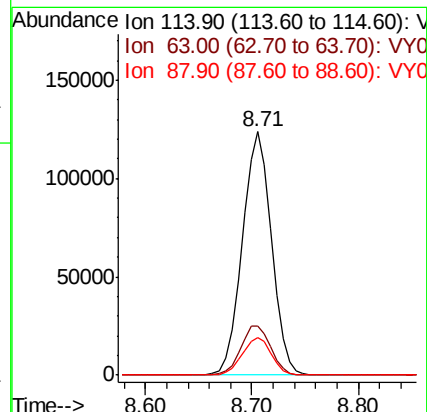
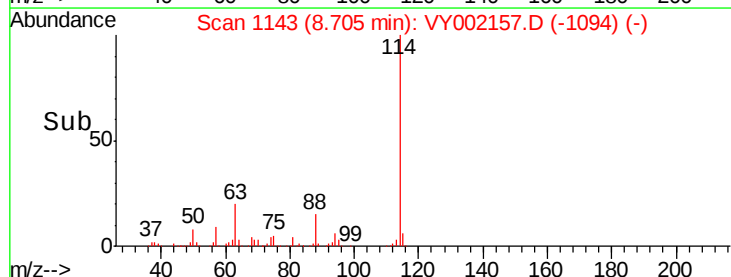
114 100

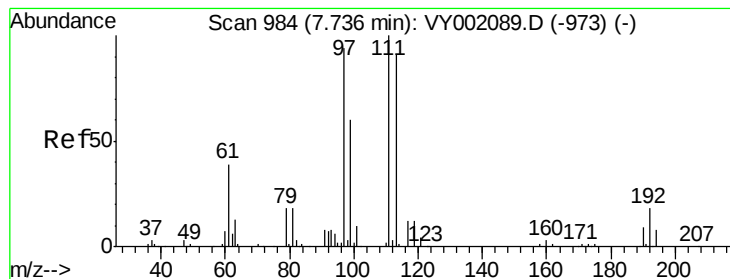
63 20.1 0.0 41.4

88 15.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VY002157.D (-1094) (-)





#35

Dibromofluoromethane

Concen: 53.660 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

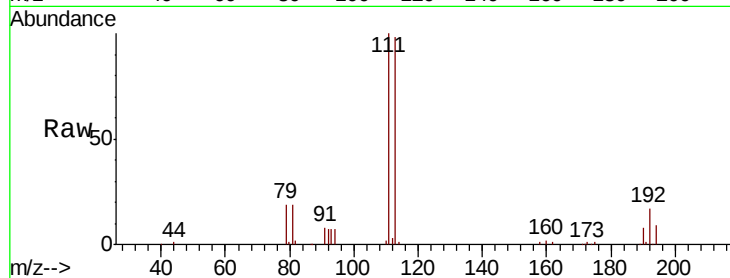
Tot Ion:113 Resp: 71535

Ion Ratio Lower Upper

113 100

111 101.6 84.4 126.6

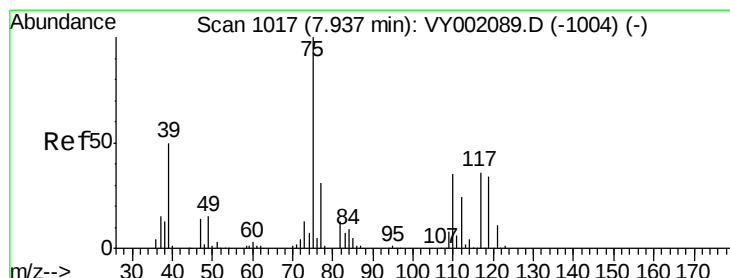
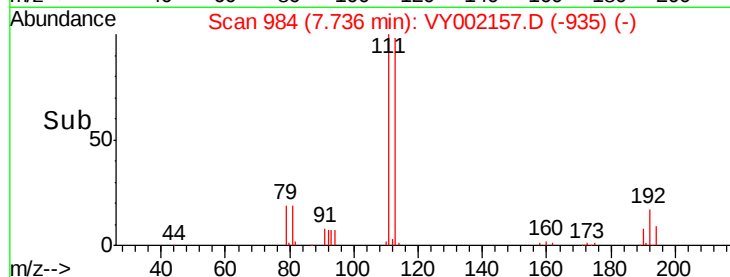
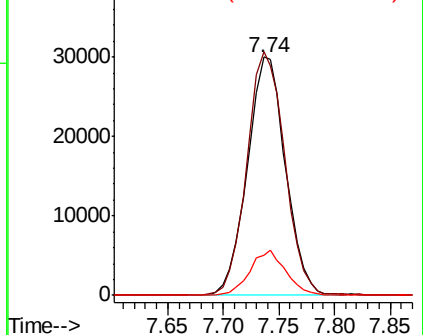
192 17.7 14.6 21.8



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: 4.536 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

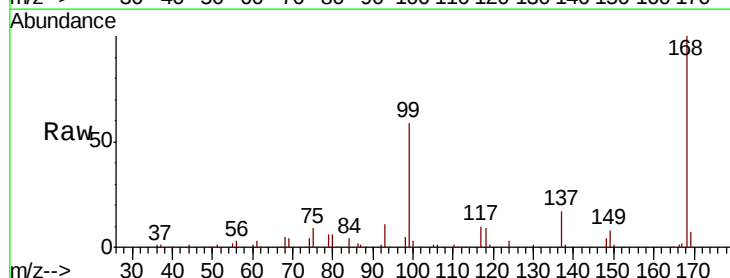
Tgt Ion: 75 Resp: 10208

Ion Ratio Lower Upper

75 100

110 8.0 17.2 51.6#

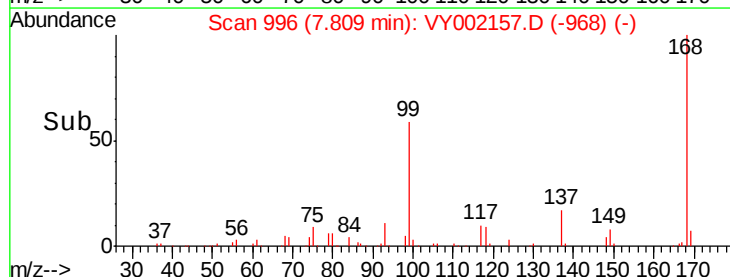
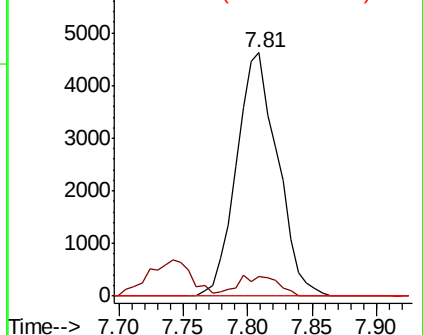
77 0.0 24.7 37.1#

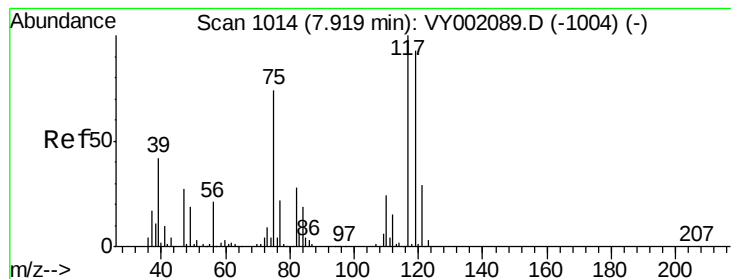


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.369 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

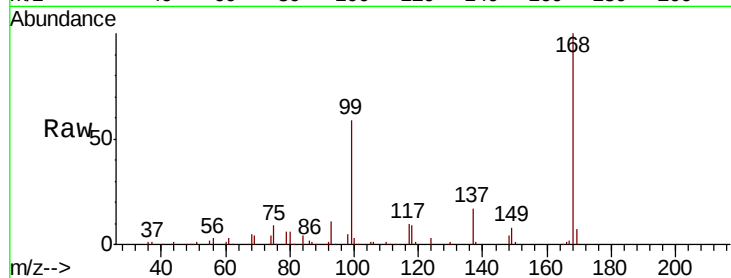
Tot Ion:117 Resp: 12160

Ion Ratio Lower Upper

117 100

119 5.4 74.3 111.5#

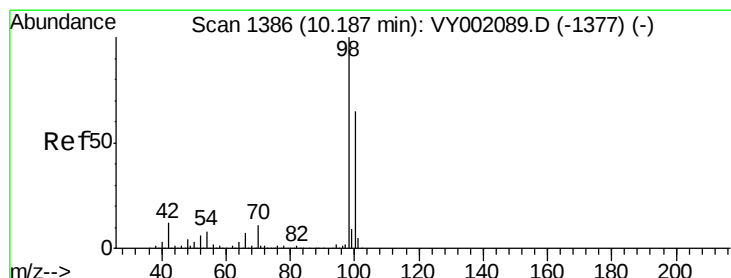
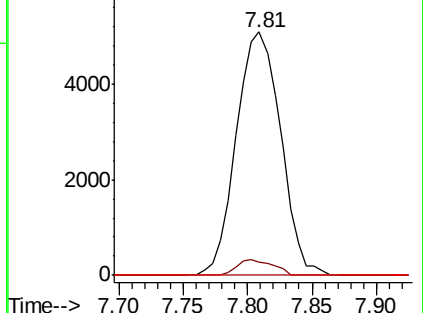
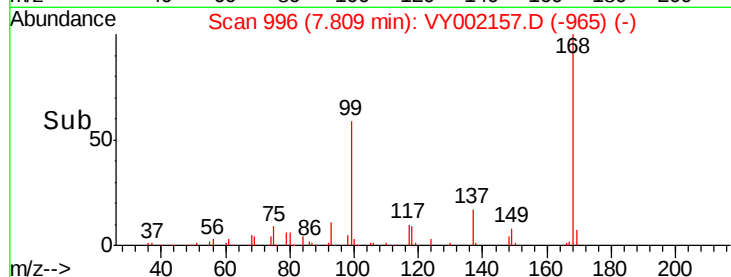
121 0.0 23.3 34.9#



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: 52.327 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002157.D

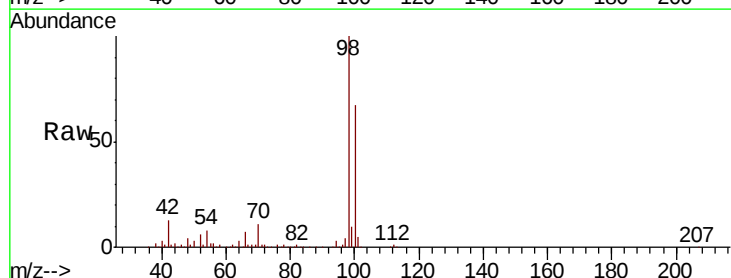
Acq: 01 Apr 2020 13:05

Tgt Ion: 98 Resp: 289793

Ion Ratio Lower Upper

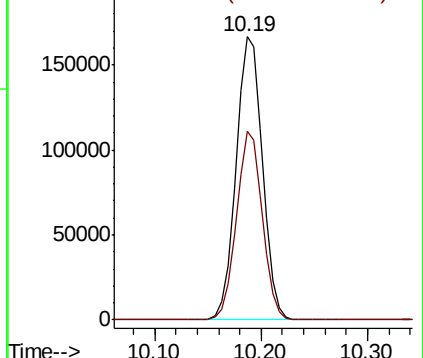
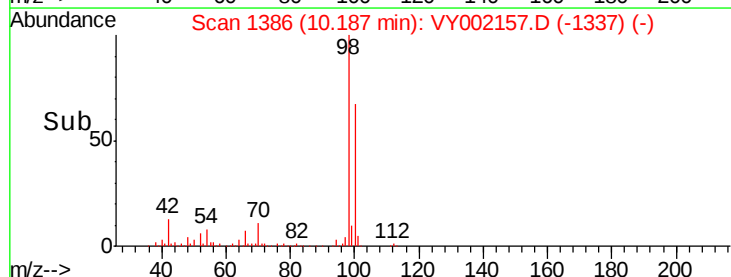
98 100

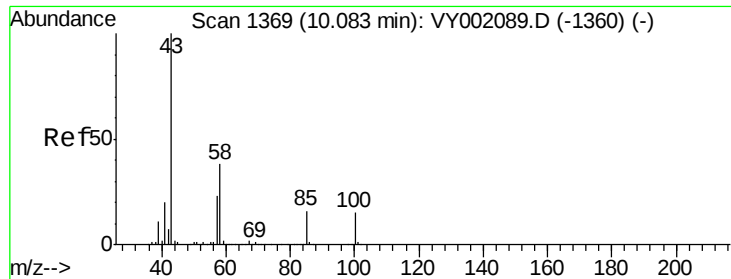
100 65.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.386 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

Instrument :

MSVOA_Y

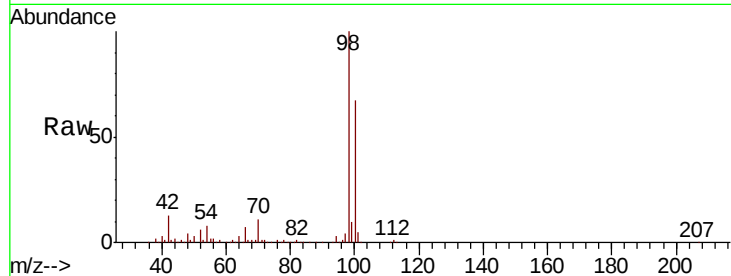
ClientSampleId :

Tot Ion: 43 Resp: 1802

Ion Ratio Lower Upper

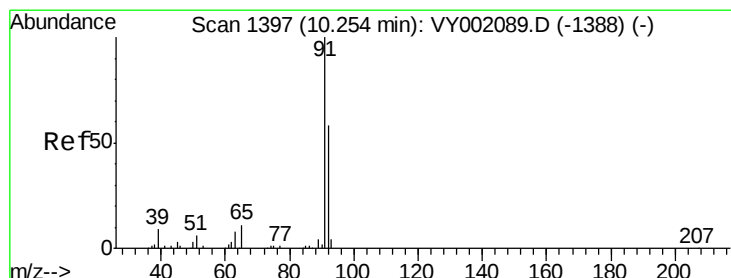
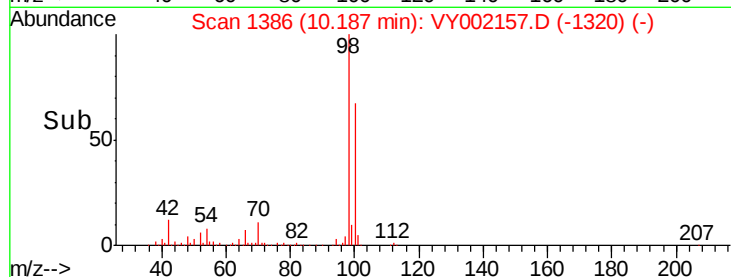
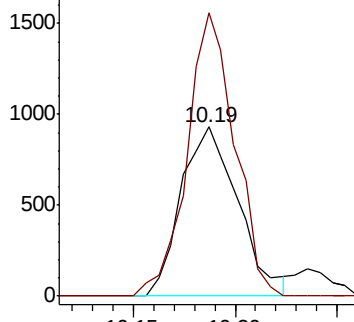
43 100

58 140.0 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 1.570 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002157.D

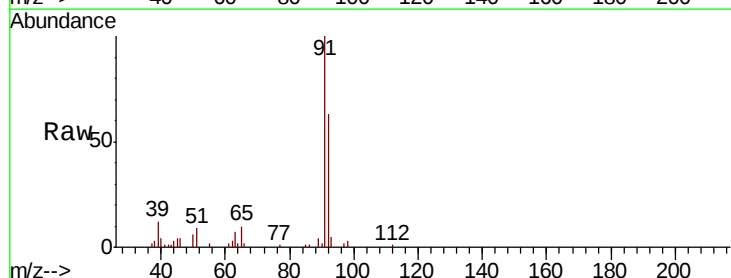
Acq: 01 Apr 2020 13:05

Tgt Ion: 92 Resp: 6329

Ion Ratio Lower Upper

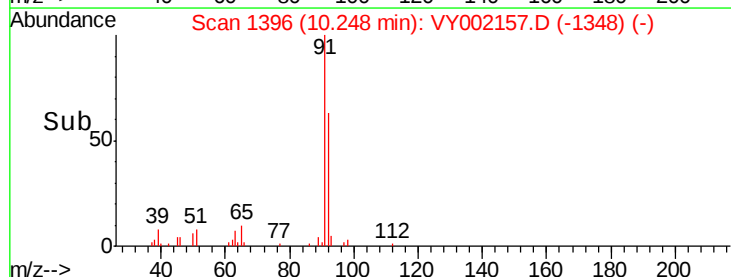
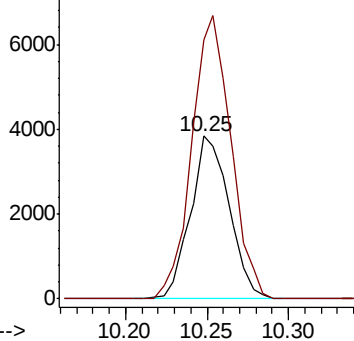
92 100

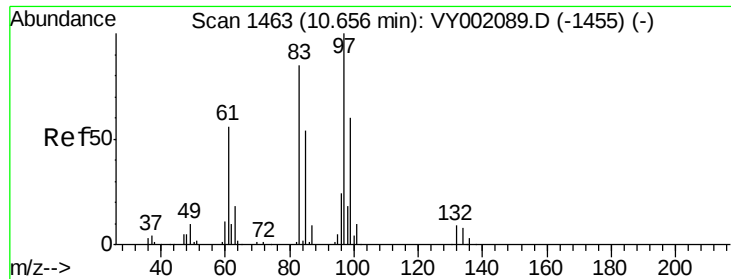
91 175.7 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

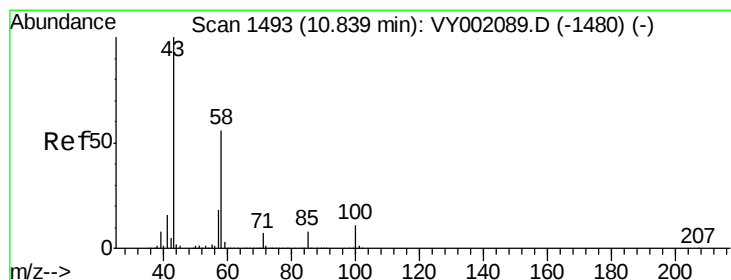
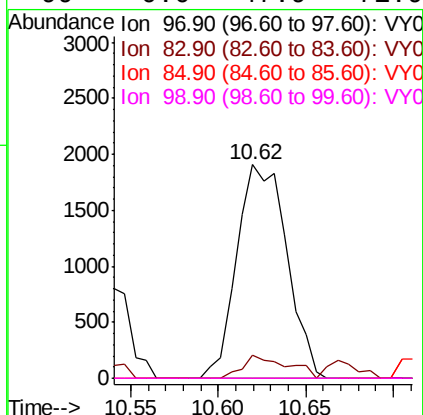
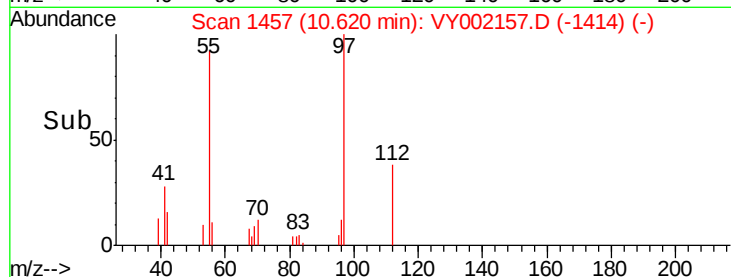
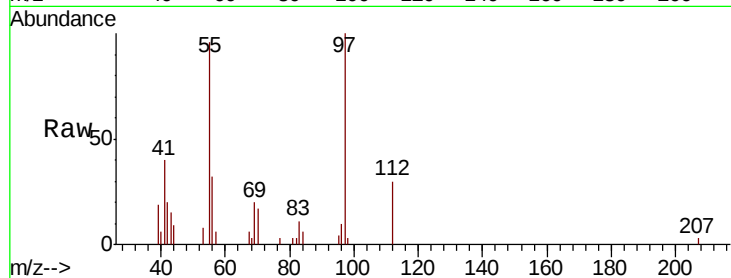




#55
 1,1,2-Trichloroethane
 Concen: 2.939 ug/l
 RT: 10.62 min Scan# 1457
 Delta R.T. -0.04 min
 Lab File: VY002157.D
 Acq: 01 Apr 2020 13:05

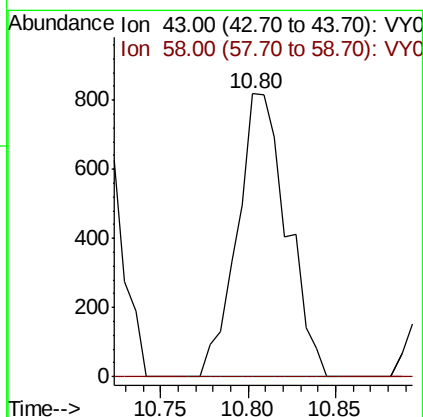
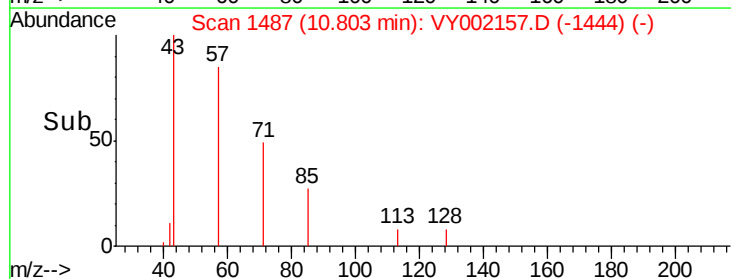
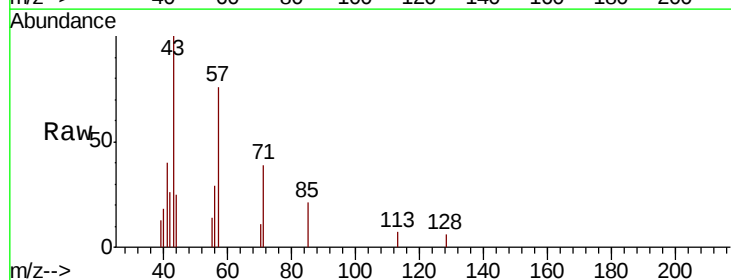
Instrument :
 MSVOA_Y
 ClientSampleId :

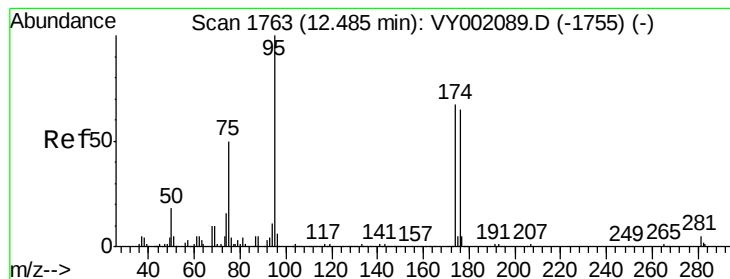
Tot Ion: 97 Resp: 3792
 Ion Ratio Lower Upper
 97 100
 83 10.7 68.2 102.2#
 85 0.0 42.9 64.3#
 99 0.0 47.9 71.9#



#59
 2-Hexanone
 Concen: 1.767 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.04 min
 Lab File: VY002157.D
 Acq: 01 Apr 2020 13:05

Tgt Ion: 43 Resp: 1618
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.9 83.6#





#62

4-Bromofluorobenzene

Concen: 47.222 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

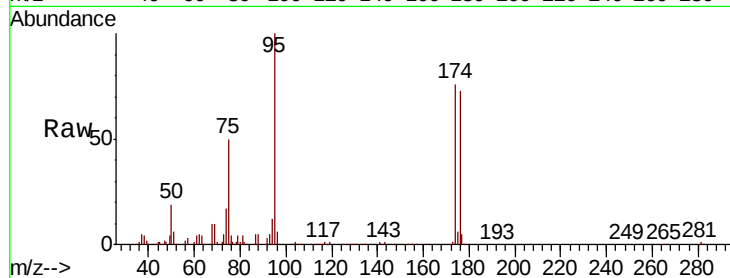
Tot Ion: 95 Resp: 91463

Ion Ratio Lower Upper

95 100

174 72.3 0.0 143.4

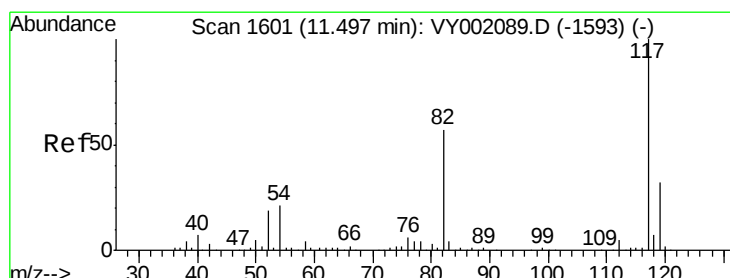
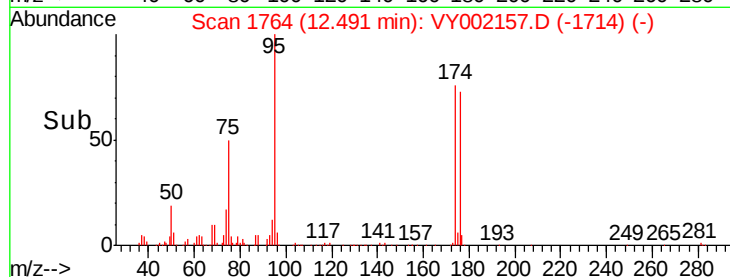
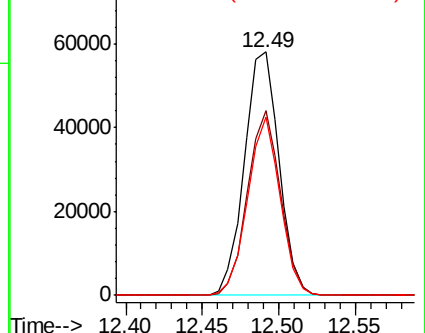
176 68.5 0.0 137.0



Abundance Ion 94.90 (94.60 to 95.60): VY002157.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002157.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002157.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

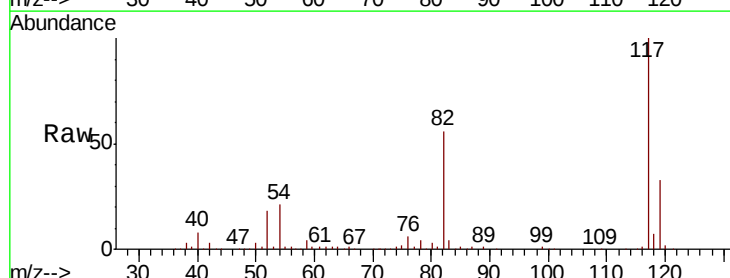
Tgt Ion: 117 Resp: 215107

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.2

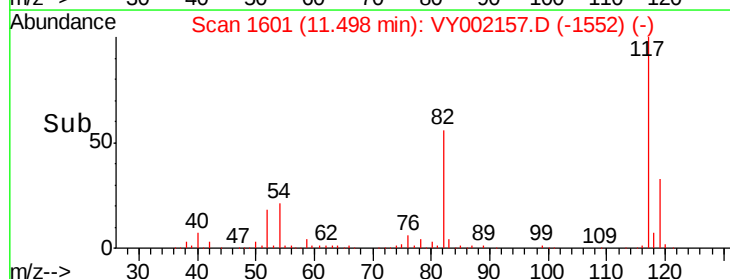
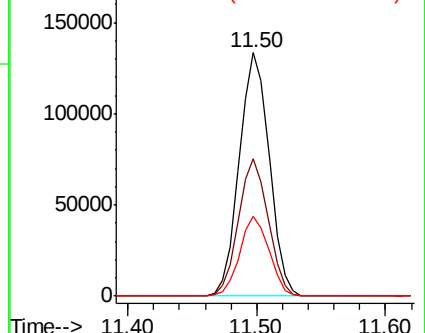
119 32.9 25.3 37.9

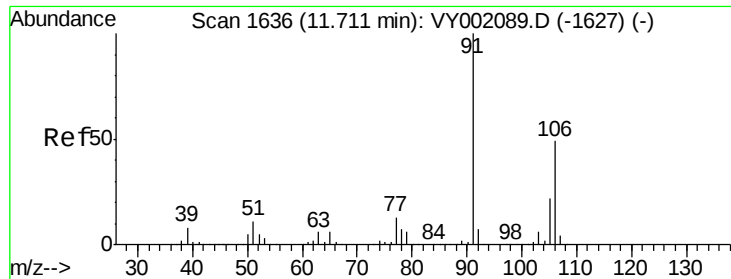


Abundance Ion 116.90 (116.60 to 117.60): VY002157.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002157.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002157.D (-1552) (-)

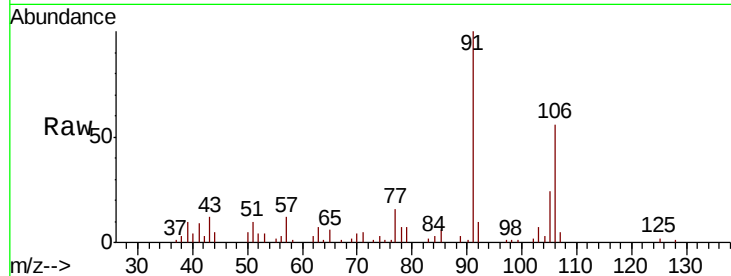




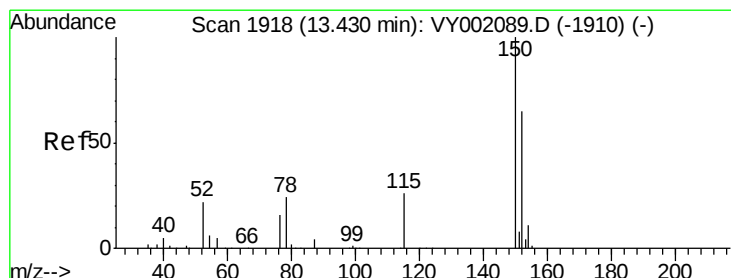
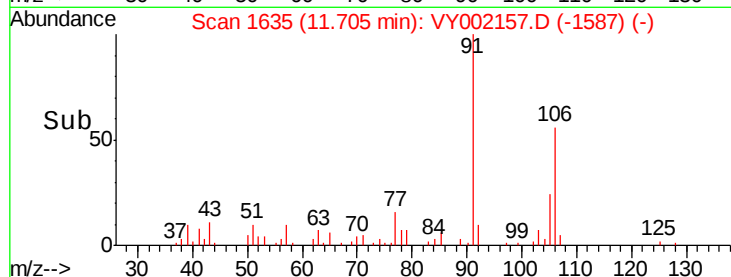
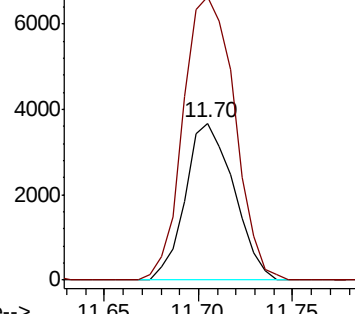
#68
m/p-Xvlenes
Concen: 2.300 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002157.D
Acq: 01 Apr 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 6557
Ion Ratio Lower Upper
106 100
91 191.0 162.8 244.2

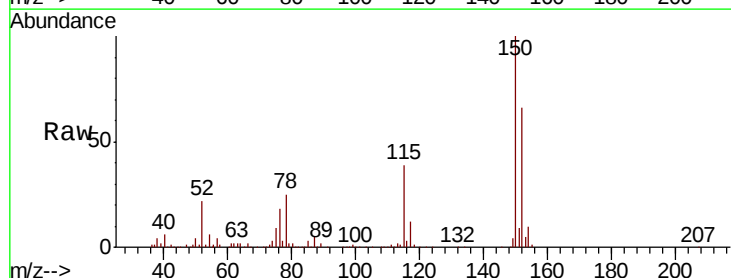


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

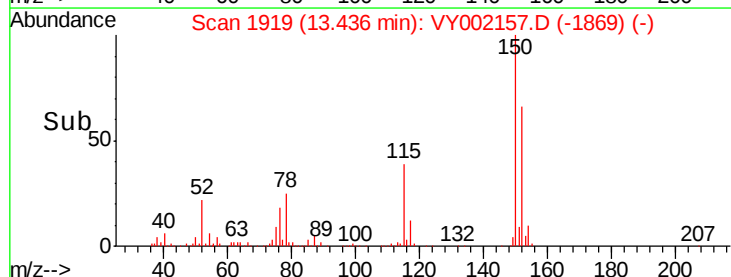
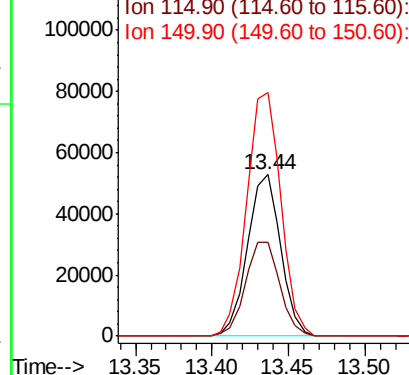


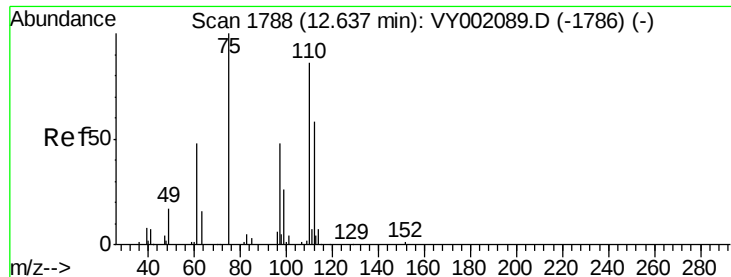
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002157.D
Acq: 01 Apr 2020 13:05

Tgt Ion:152 Resp: 79508
Ion Ratio Lower Upper
152 100
115 60.5 31.2 93.6
150 155.4 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: 51.762 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

Instrument :

MSVOA_Y

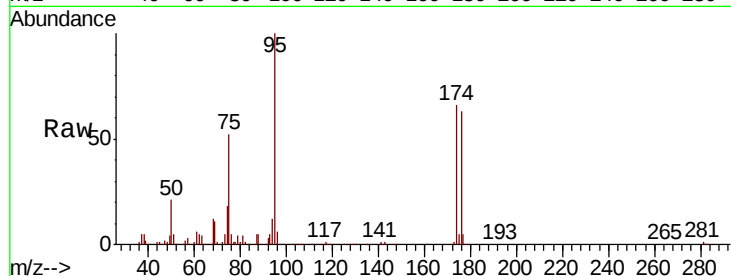
ClientSampleId :

Tot Ion: 75 Resp: 46036

Ion Ratio Lower Upper

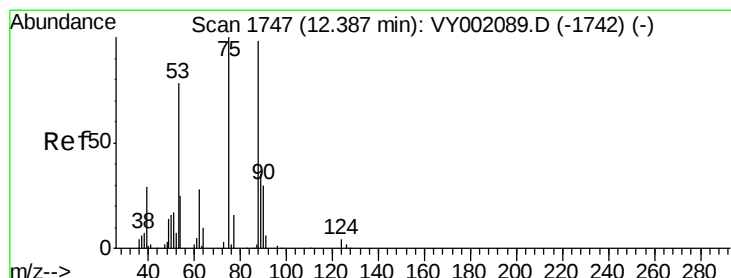
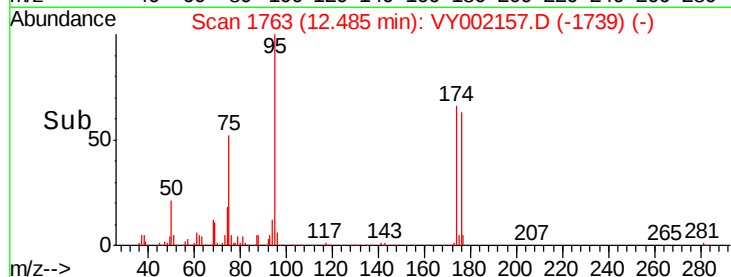
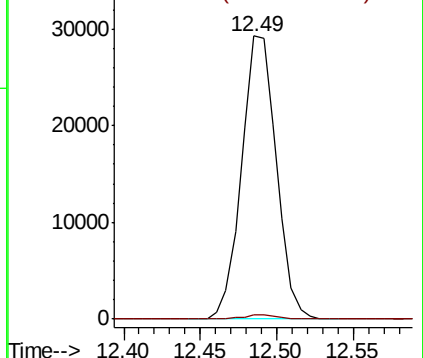
75 100

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: 100.282 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002157.D

Acq: 01 Apr 2020 13:05

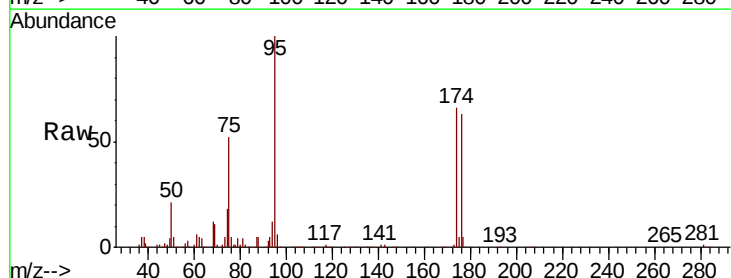
Tgt Ion: 75 Resp: 46036

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.1 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

