

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001623.D
 Acq On : 13 Feb 2020 11:53
 Operator : SY/MD
 Sample : VY0213SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 06:23:13 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	7.80	168	167058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	123873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	99913	59.40	ug/l	0.00
Spiked Amount			Recovery	=	118.80%	
35) Dibromofluoromethane	7.74	113	90666	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.19	98	373528	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
62) 4-Bromofluorobenzene	12.49	95	126907	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

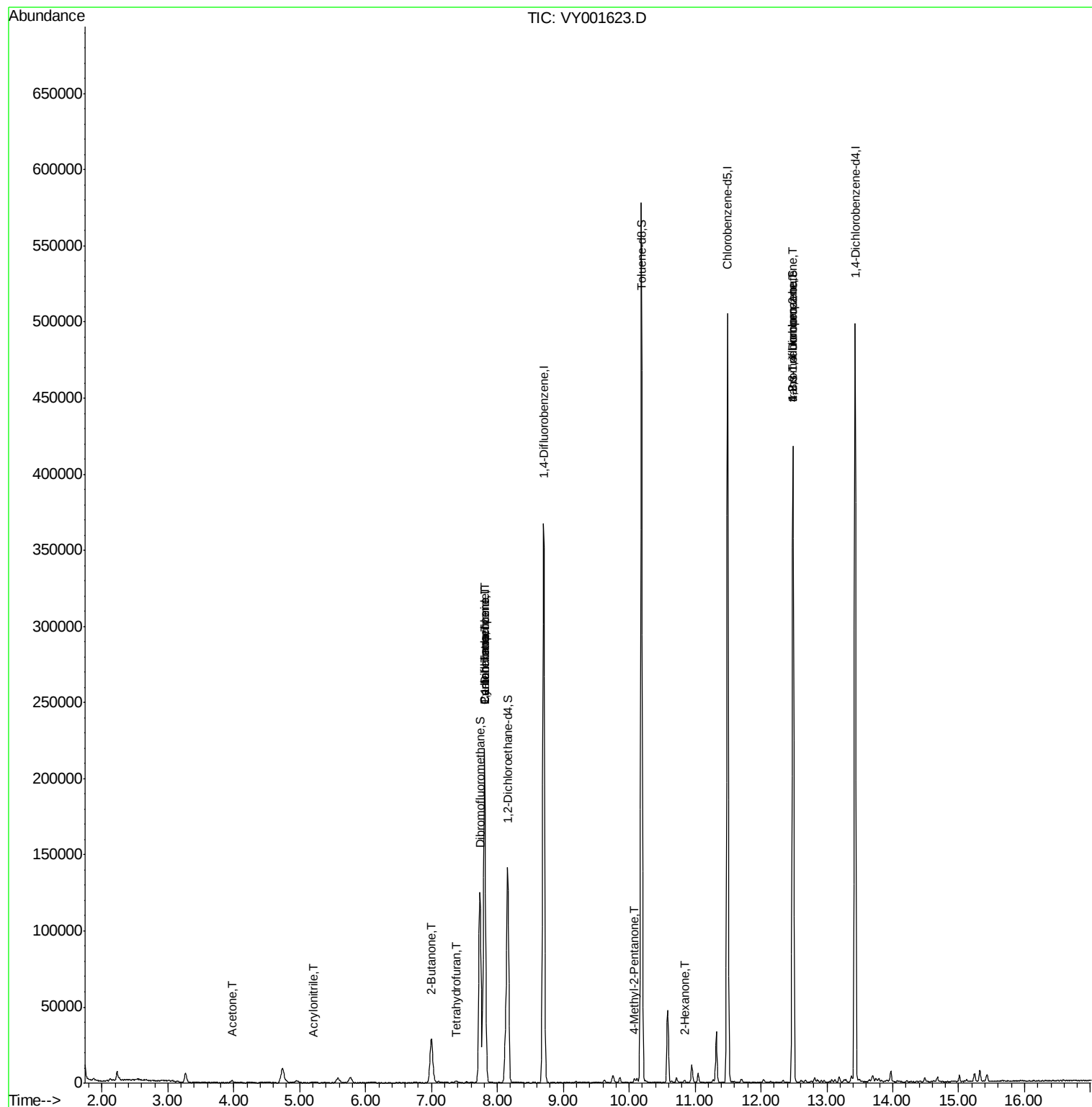
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1783	Below Cal	#	79
15) Acrylonitrile	5.21	53	567	1.248	ug/l #	63
16) Acetone	3.98	43	2290	4.707	ug/l	91
20) Methylene Chloride	4.72	84	6754	Below Cal	#	92
25) 2-Butanone	7.00	43	2284	3.618	ug/l #	76
29) Tetrahydrofuran	7.38	42	599	1.583	ug/l #	54
31) Cyclohexane	7.80	56	4094	1.250	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	13659	4.800	ug/l #	49
38) Carbon Tetrachloride	7.81	117	16453	5.976	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1799	1.339	ug/l	94
59) 2-Hexanone	10.84	43	1276	1.307	ug/l	86
76) 1,2,3-Trichloropropane	12.49	75	63974	48.024	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	63974	92.924	ug/l #	16

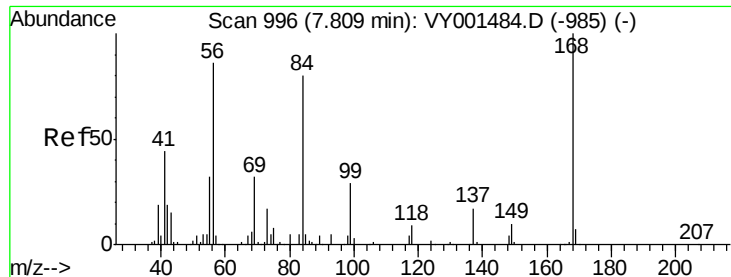
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
Data File : VY001623.D
Acq On : 13 Feb 2020 11:53
Operator : SY/MD
Sample : VY0213SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 14 06:23:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
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: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001623.D

Acq: 13 Feb 2020 11:53

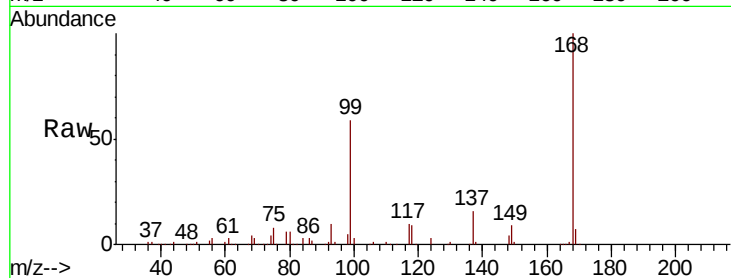
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 167058

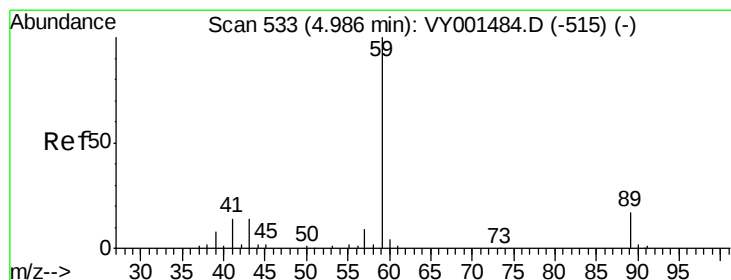
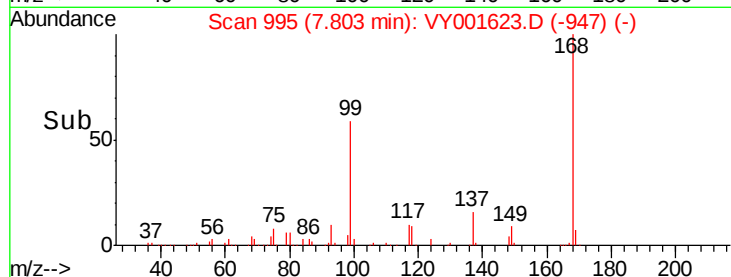
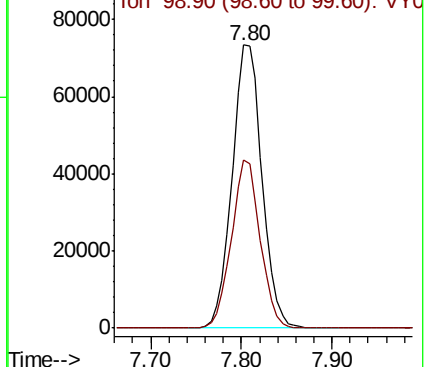
Ion Ratio Lower Upper

168 100

99 59.4 48.2 72.4



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.02 min

Lab File: VY001623.D

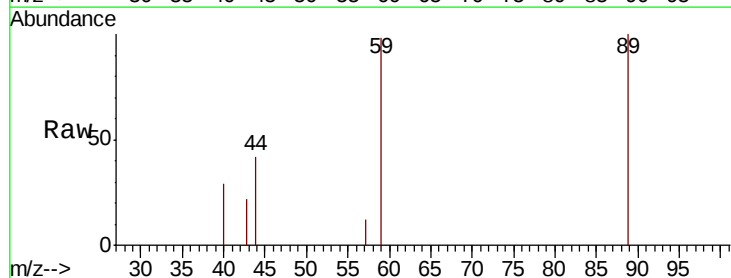
Acq: 13 Feb 2020 11:53

Tgt Ion: 59 Resp: 1783

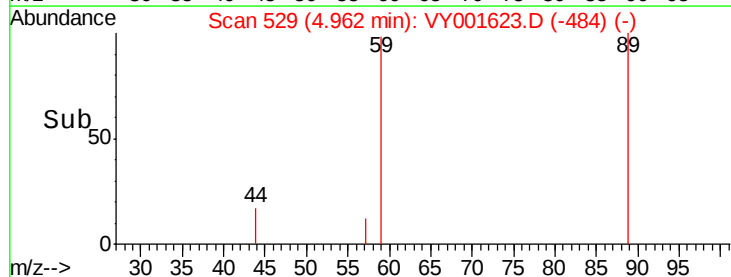
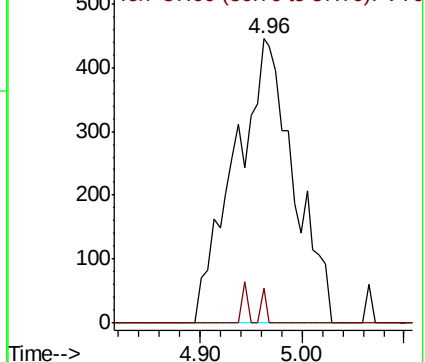
Ion Ratio Lower Upper

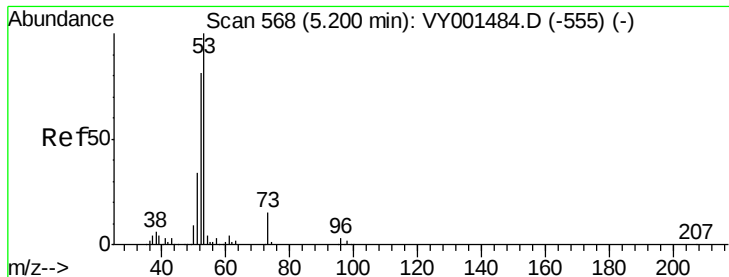
59 100

57 1.1 7.0 10.6#



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





#15

Acrylonitrile

Concen: 1.248 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001623.D

Acq: 13 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampled :

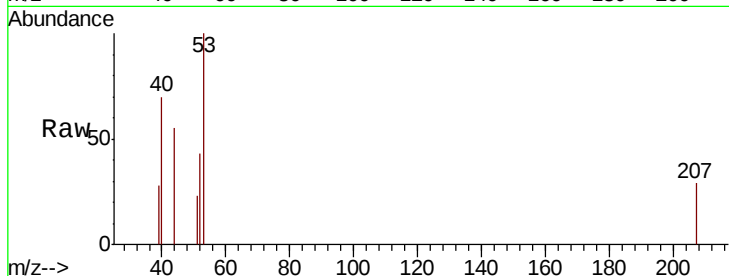
Tot Ion: 53 Resp: 567

Ion Ratio Lower Upper

53 100

52 45.3 65.4 98.2#

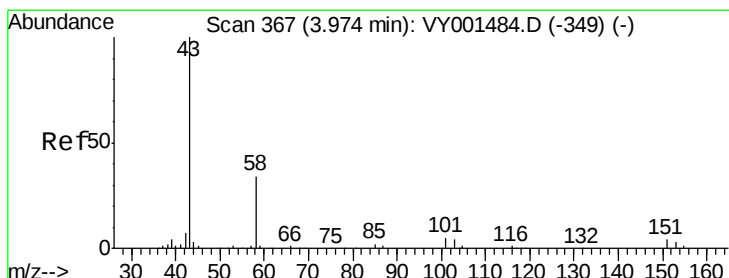
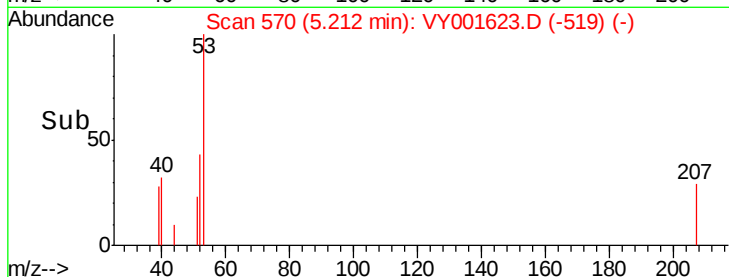
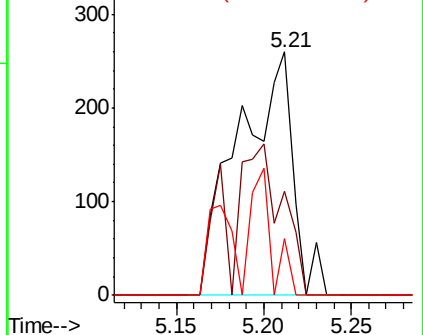
51 19.8 29.0 43.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 4.707 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001623.D

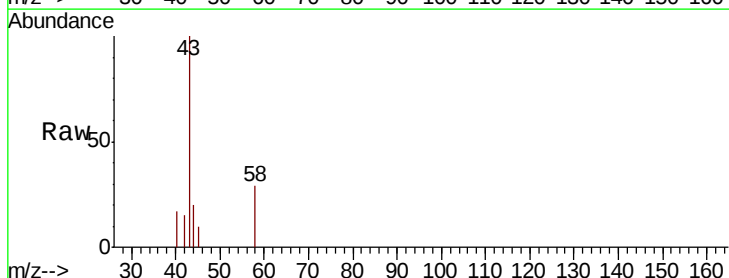
Acq: 13 Feb 2020 11:53

Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

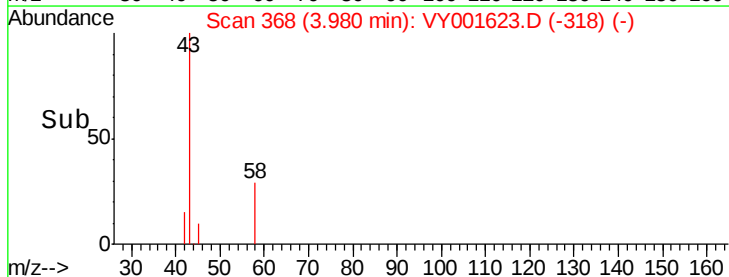
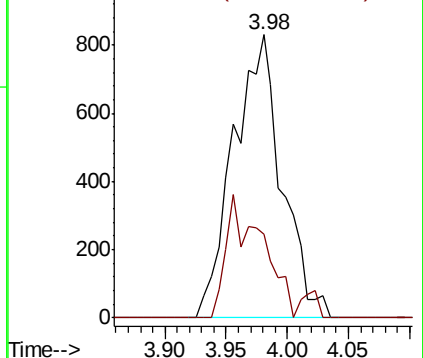
43 100

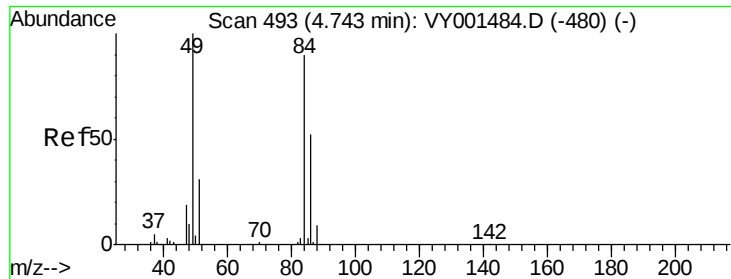
58 29.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

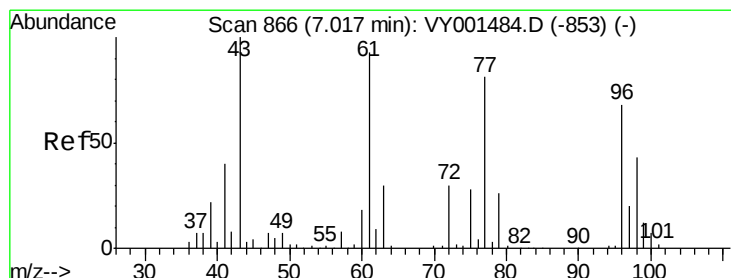
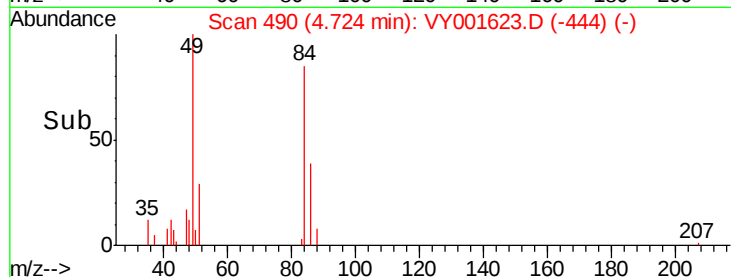
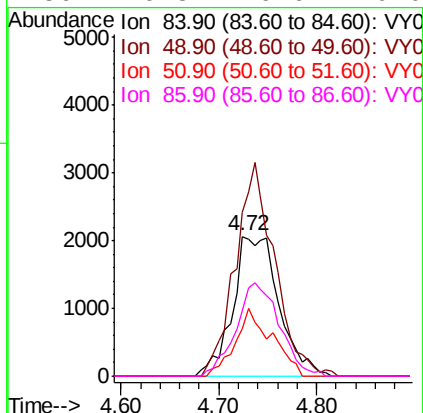
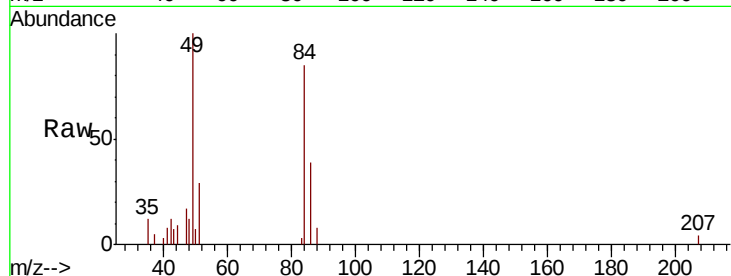




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. -0.02 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

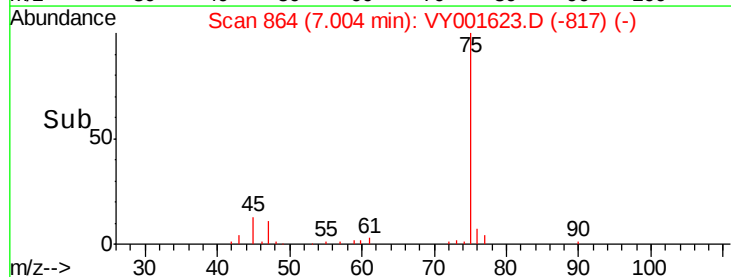
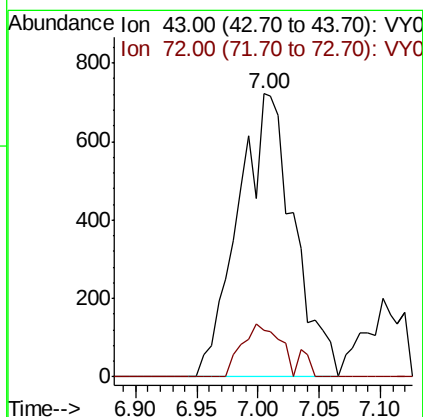
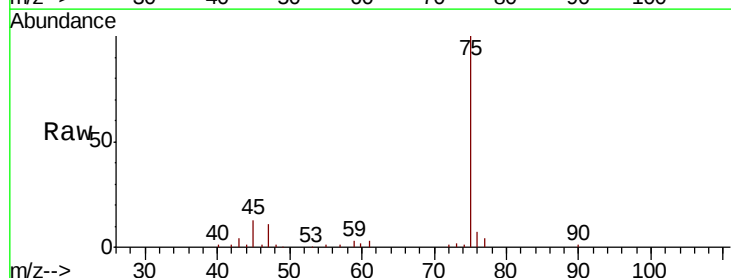
Instrument :
MSVOA_Y
ClientSampleId :

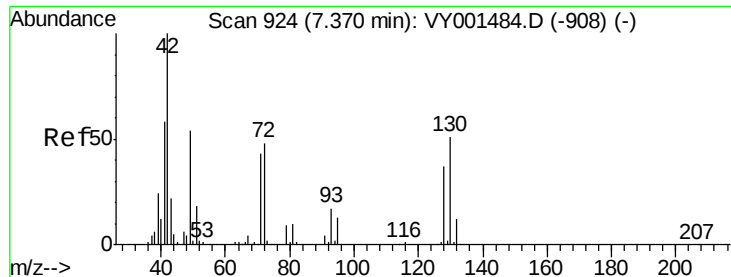
Tot Ion: 84 Resp: 6754
Ion Ratio Lower Upper
84 100
49 117.3 89.0 133.6
51 34.0 27.4 41.2
86 46.3 46.6 70.0#



#25
2-Butanone
Concen: 3.618 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Tgt Ion: 43 Resp: 2284
Ion Ratio Lower Upper
43 100
72 16.6 23.8 35.8#

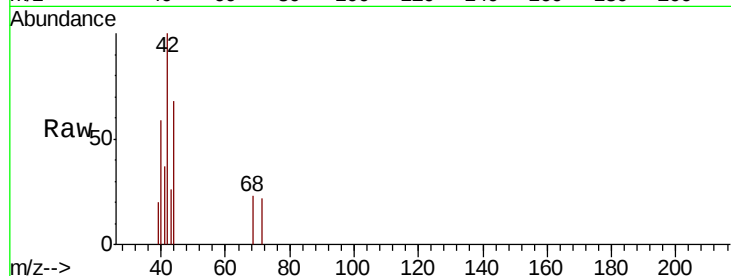




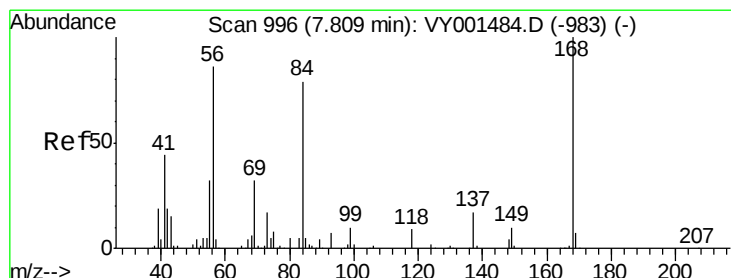
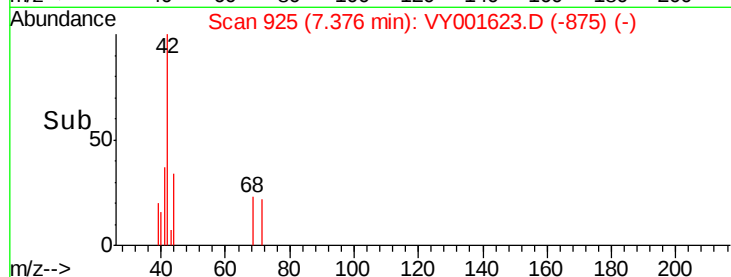
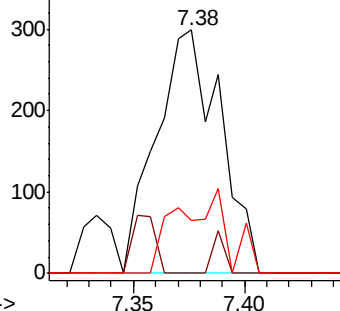
#29
Tetrahydrofuran
Concen: 1.583 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 599
Ion Ratio Lower Upper
42 100
72 3.2 37.8 56.6#
71 27.4 34.8 52.2#

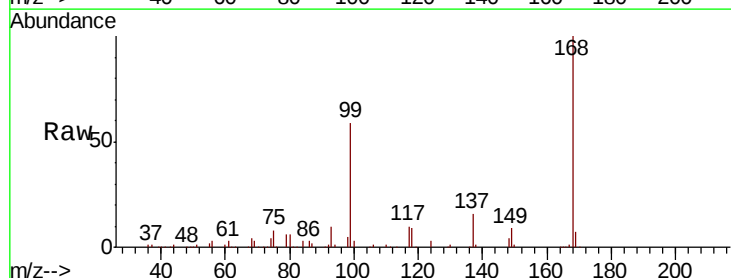


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

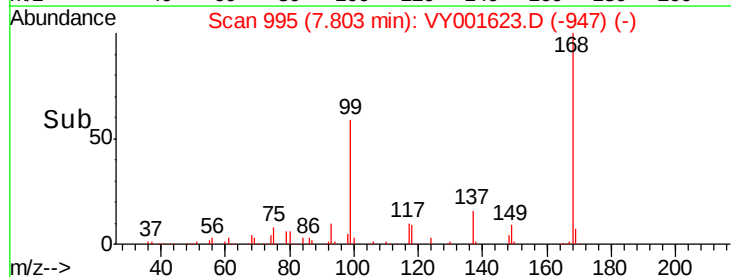
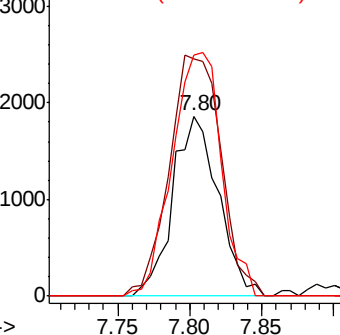


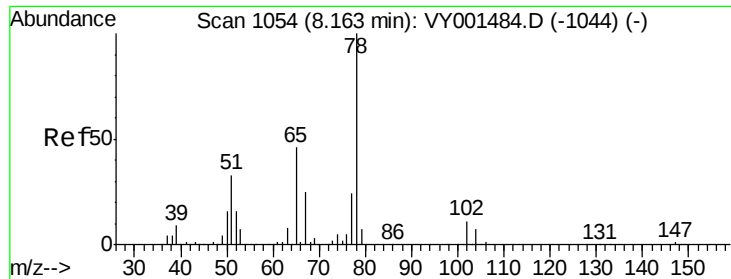
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Tgt Ion: 56 Resp: 4094
Ion Ratio Lower Upper
56 100
69 132.2 29.6 44.4#
84 134.0 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

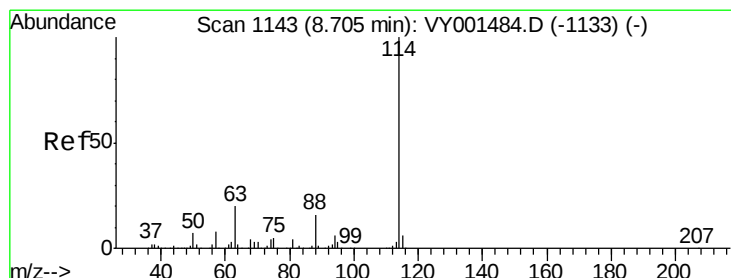
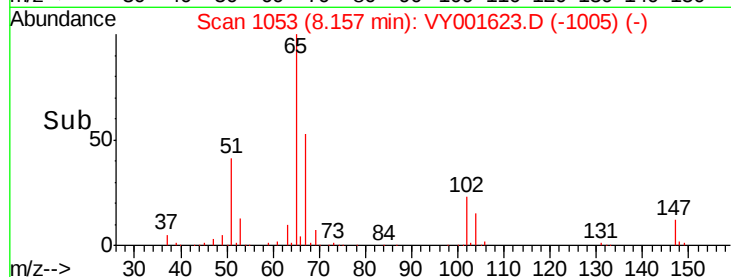
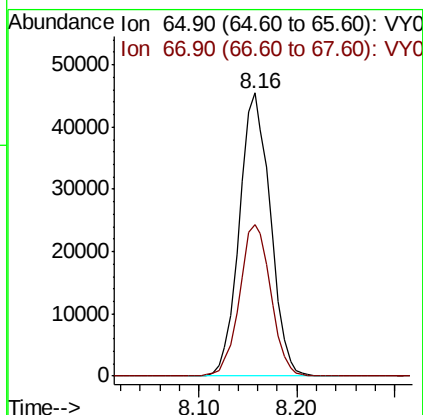
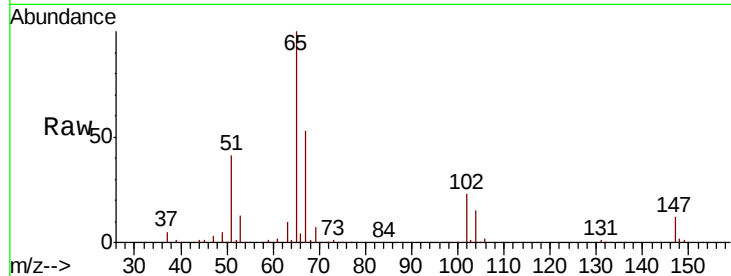




#33
 1,2-Dichloroethane-d4
 Concen: 59.400 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001623.D
 Acq: 13 Feb 2020 11:53

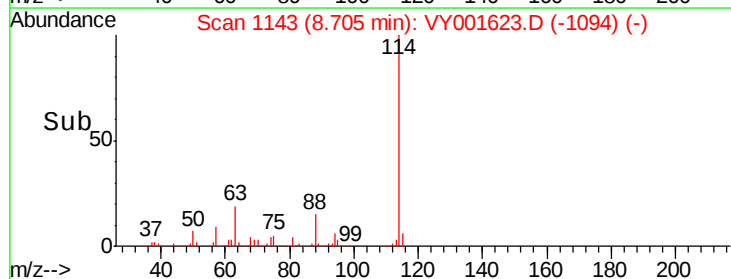
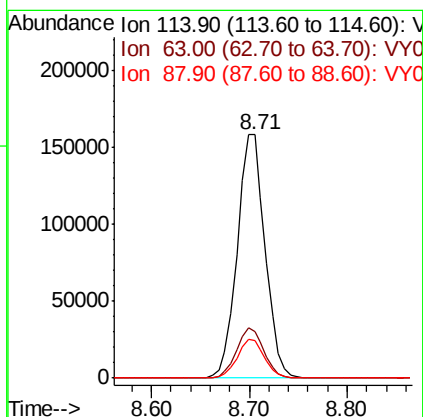
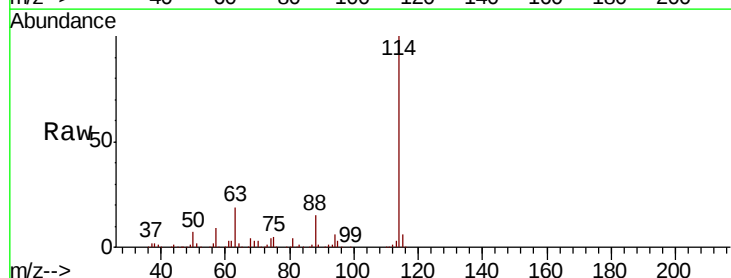
Instrument :
 MSVOA_Y
 ClientSampled :

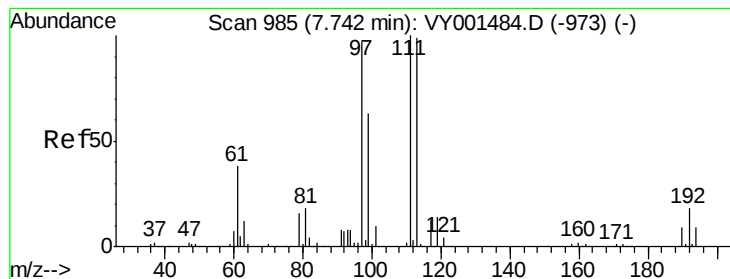
Tot Ion: 65 Resp: 99913
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY001623.D
 Acq: 13 Feb 2020 11:53

Tgt Ion: 114 Resp: 311039
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.8
 88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.550 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001623.D

Acq: 13 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampled :

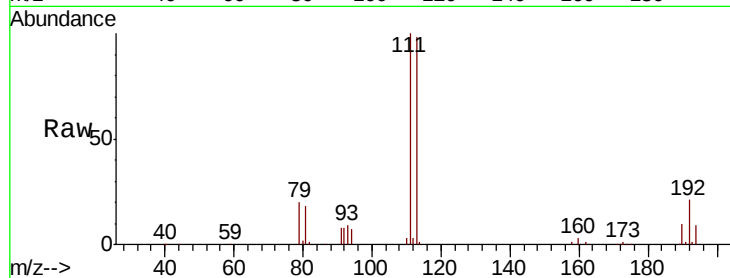
Tot Ion:113 Resp: 90666

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

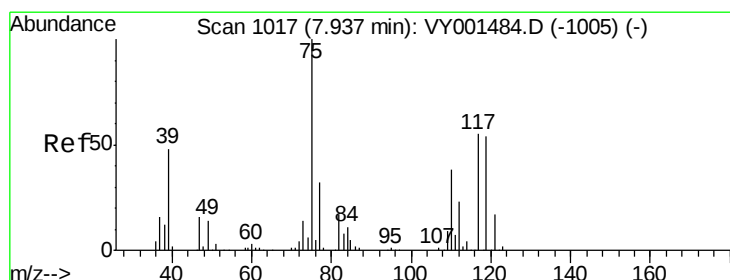
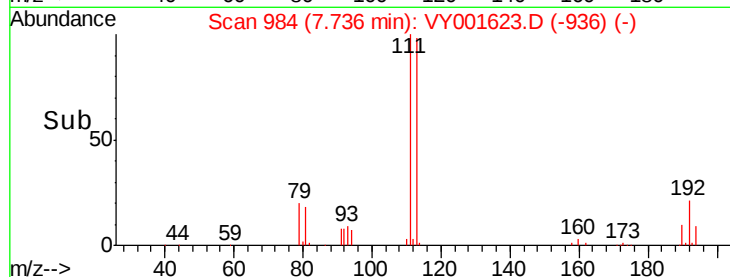
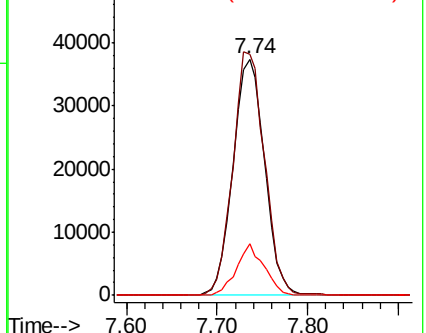
192 18.9 14.6 22.0



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: 4.800 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY001623.D

Acq: 13 Feb 2020 11:53

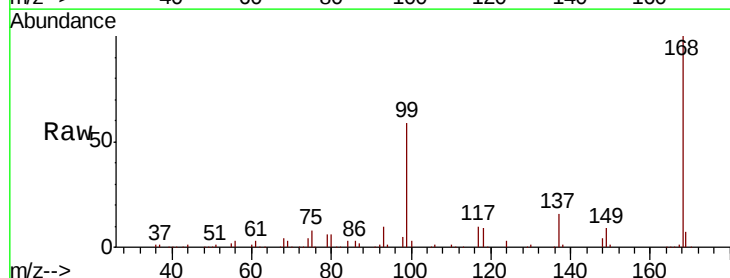
Tgt Ion: 75 Resp: 13659

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

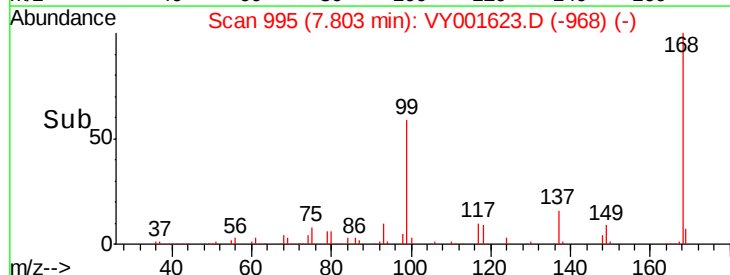
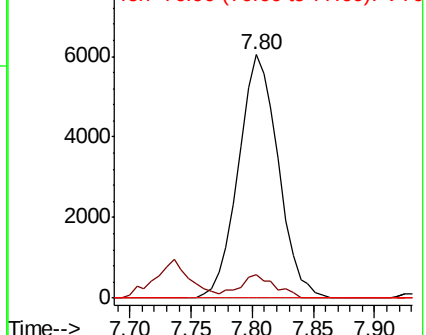
77 0.0 25.0 37.4#

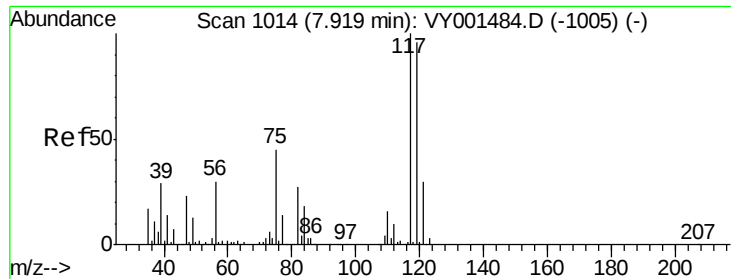


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

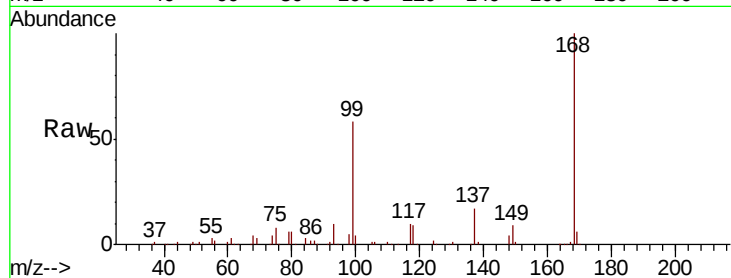




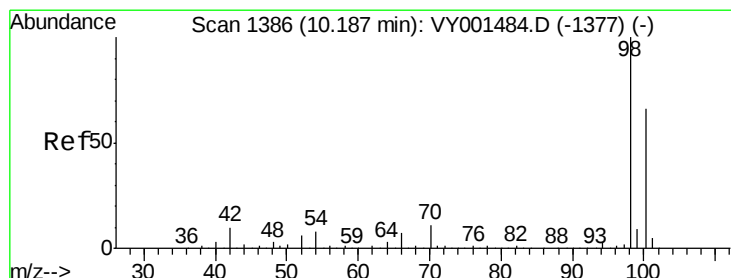
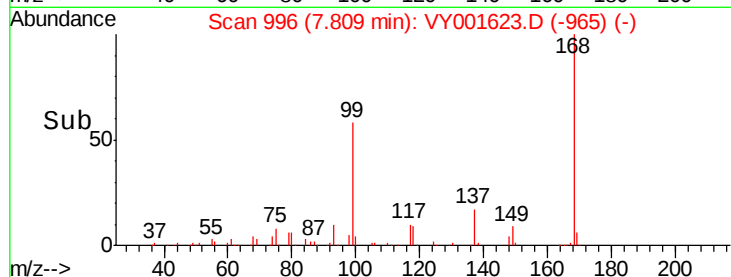
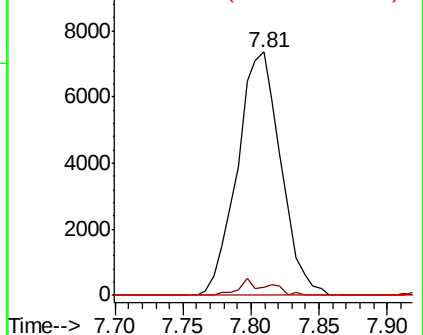
#38
Carbon Tetrachloride
Concen: 5.976 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16453
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 24.2 36.4#

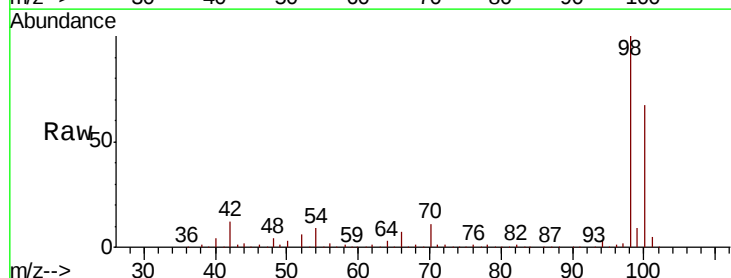


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

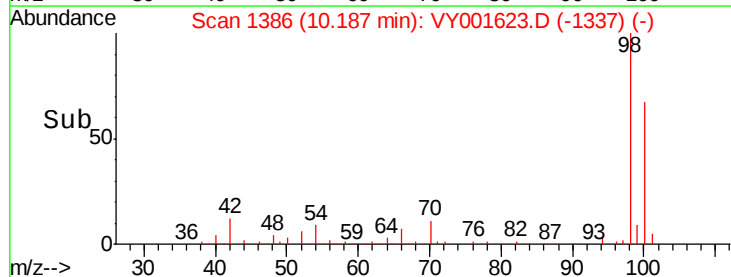
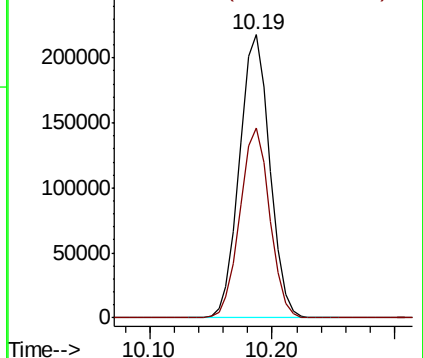


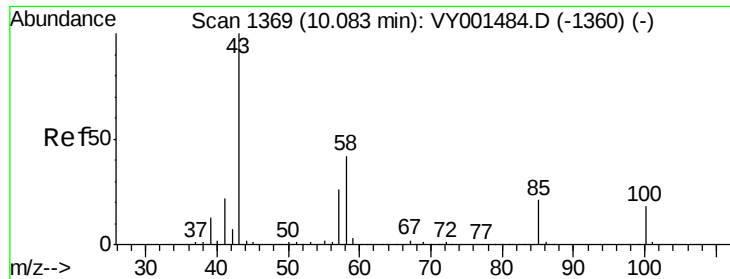
#50
Toluene-d8
Concen: 55.044 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Tgt Ion: 98 Resp: 373528
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



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: 1.339 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001623.D

Acq: 13 Feb 2020 11:53

Instrument :

MSVOA_Y

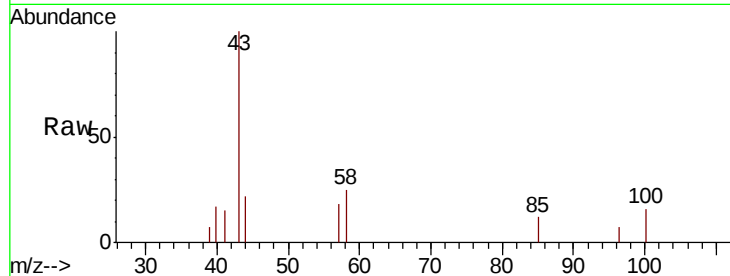
ClientSampled :

Tot Ion: 43 Resp: 1799

Ion Ratio Lower Upper

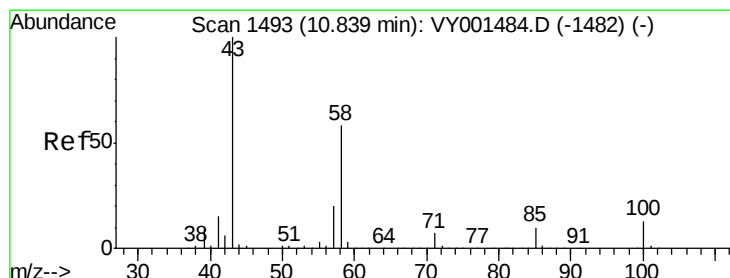
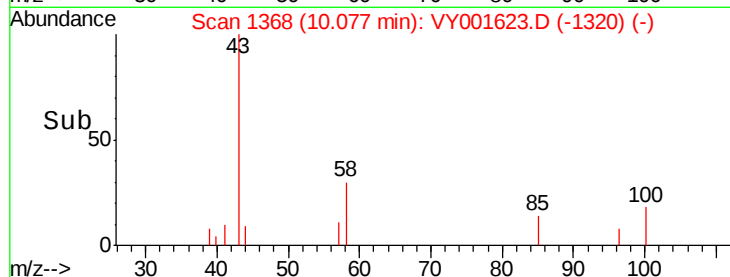
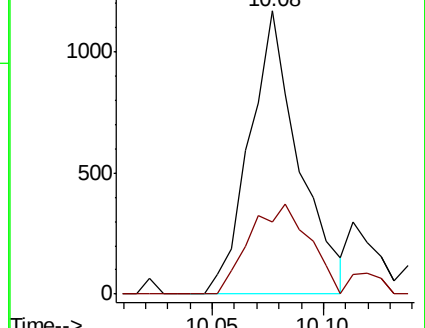
43 100

58 38.5 33.9 50.9



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

Ion 58.00 (57.70 to 58.70): VY001484.D (-1360) (-)



#59

2-Hexanone

Concen: 1.307 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VY001623.D

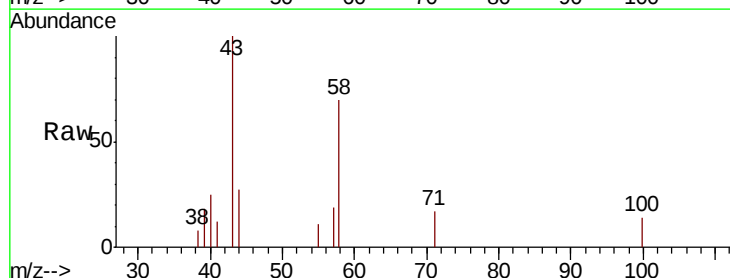
Acq: 13 Feb 2020 11:53

Tgt Ion: 43 Resp: 1276

Ion Ratio Lower Upper

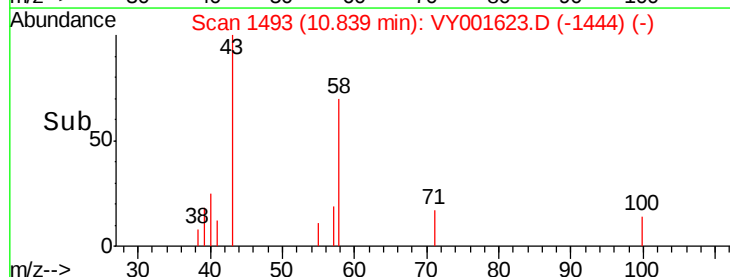
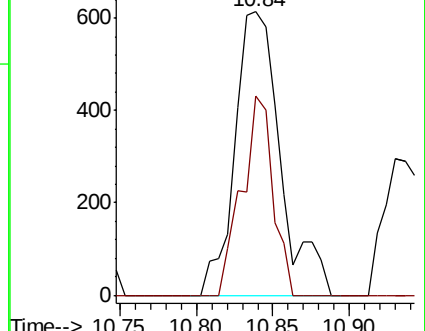
43 100

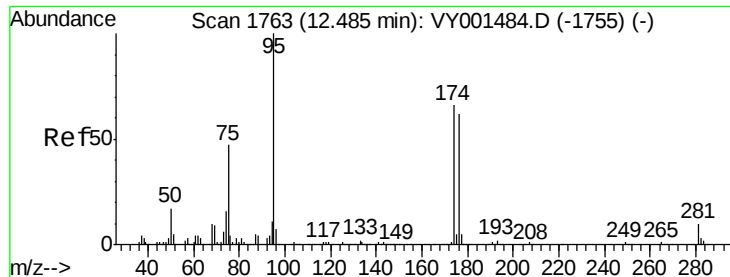
58 47.3 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1482) (-)

Ion 58.00 (57.70 to 58.70): VY001484.D (-1482) (-)

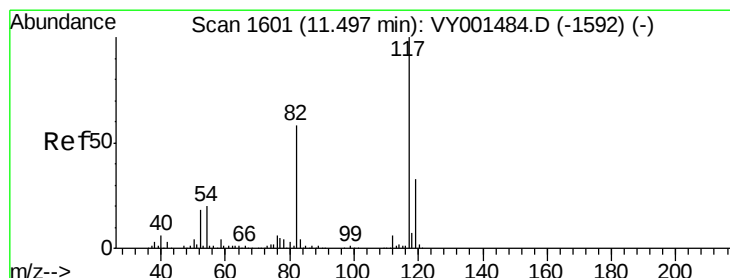
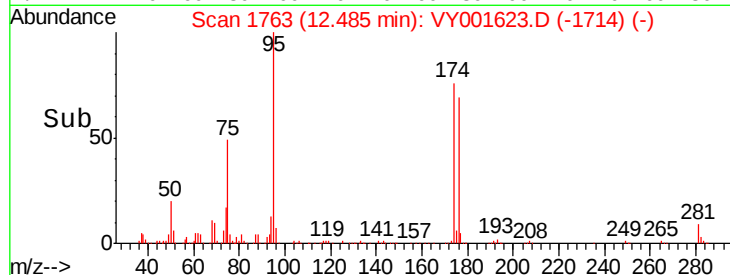
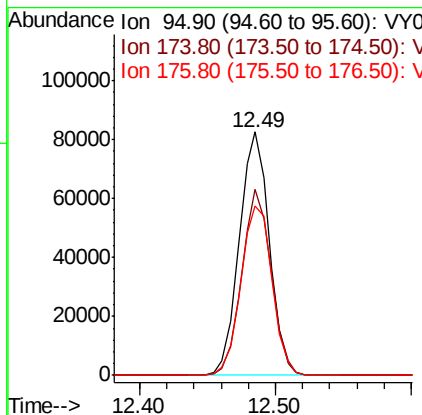
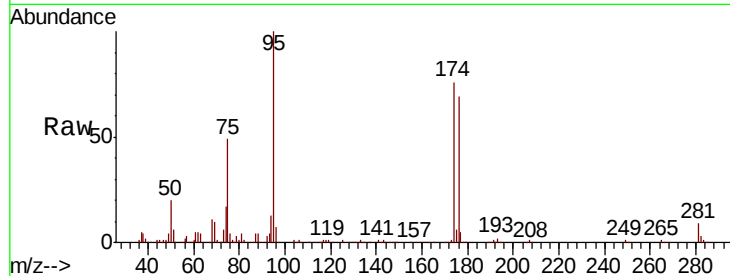




#62
4-Bromofluorobenzene
Concen: 47.472 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

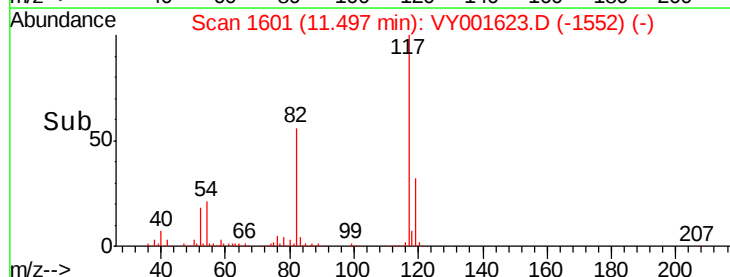
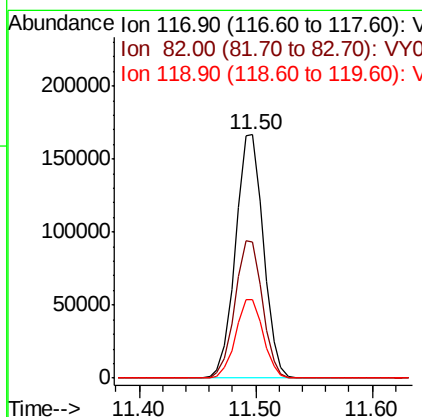
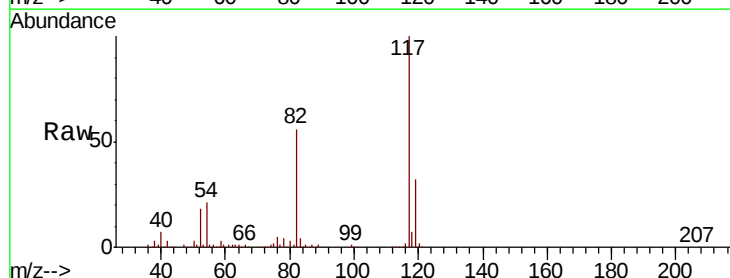
Instrument :
MSVOA_Y
ClientSampleId :

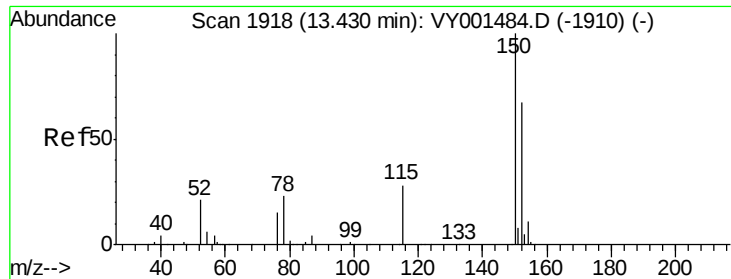
Tot Ion	95	Resp	126907
Ion Ratio	Lower	Upper	
95	100		
174	75.2	0.0	141.4
176	72.3	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Tgt Ion	117	Resp	277937
Ion Ratio	Lower	Upper	
117	100		
82	56.1	46.1	69.1
119	32.2	26.1	39.1



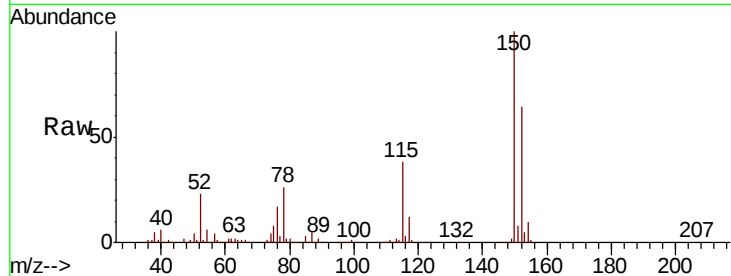


#72

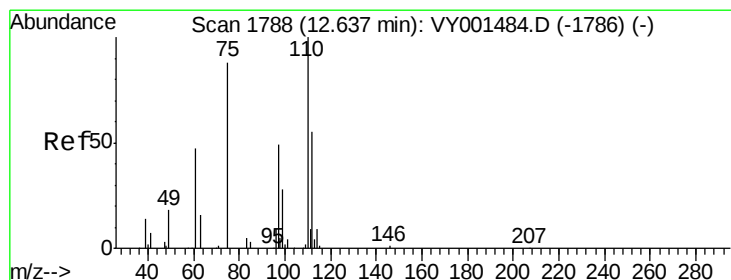
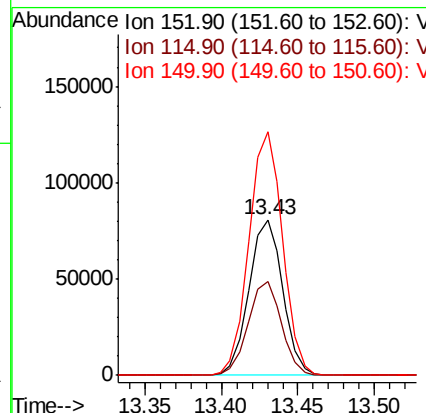
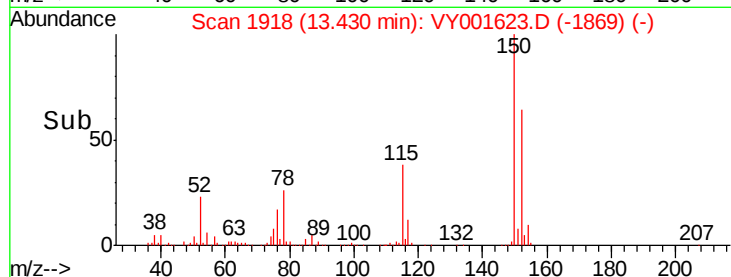
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.4	94.3
150	156.0	0.0	346.8



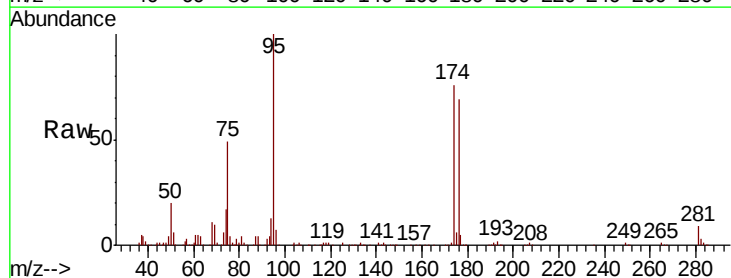
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



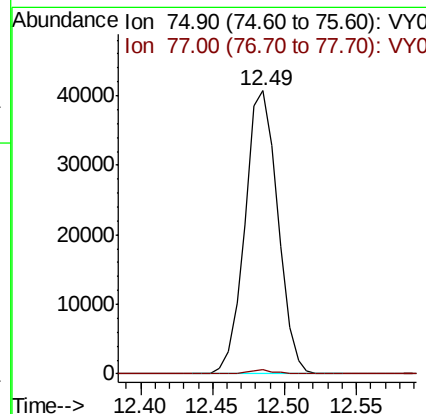
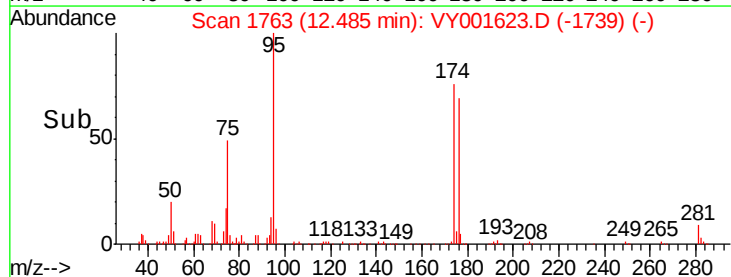
#76

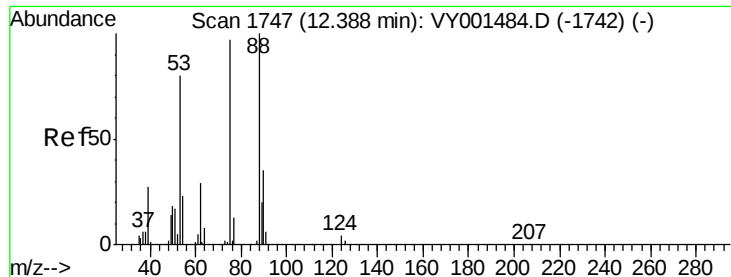
1,2,3-Trichloropropane
Concen: 48.024 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001623.D
Acq: 13 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 92.924 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001623.D

Acq: 13 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 63974

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.3 34.6 52.0#

