

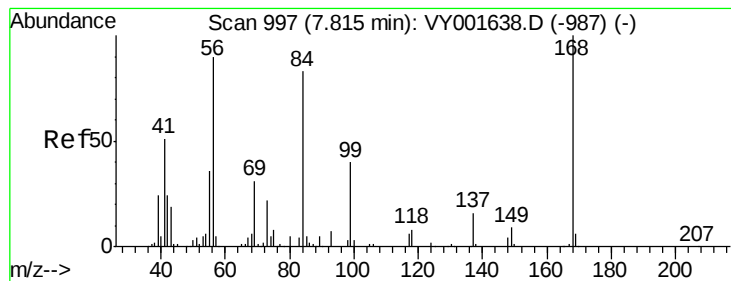
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001660.D
 Acq On : 17 Feb 2020 20:27
 Operator : SY/MD
 Sample : L1546-24
 Misc : 6.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:38:29 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	149490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	273325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	238158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	94761	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	80990	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
35) Dibromofluoromethane	7.75	113	79009	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	10.20	98	326043	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.50	95	100747	42.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.95	59	21	Below Cal	#	74
16) Acetone	3.99	43	587	1.055	ug/l	88
20) Methylene Chloride	4.76	84	9315	4.713	ug/l	95
36) 1,1-Dichloropropene	7.82	75	12133	4.647	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14960	6.524	ug/l #	18
51) 4-Methyl-2-Pentanone	10.20	43	1521	1.001	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	52574	48.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	52574	91.756	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Instrument :

MSVOA_Y

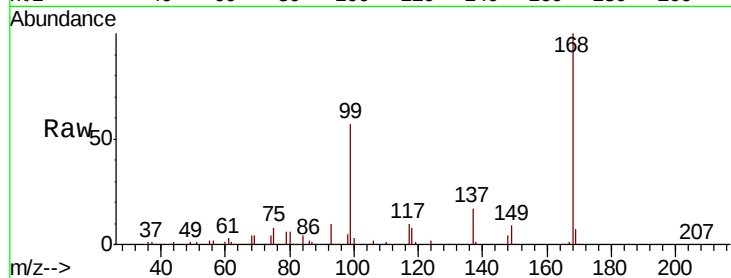
ClientSampled :

Tot Ion:168 Resp: 149490

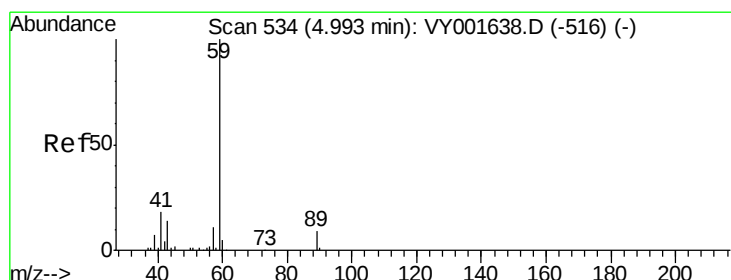
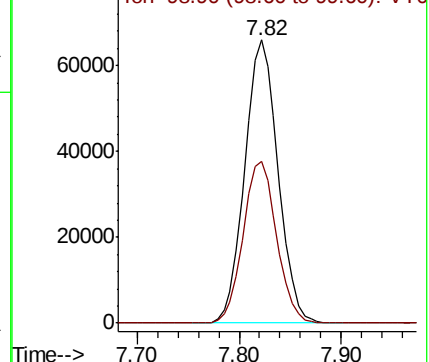
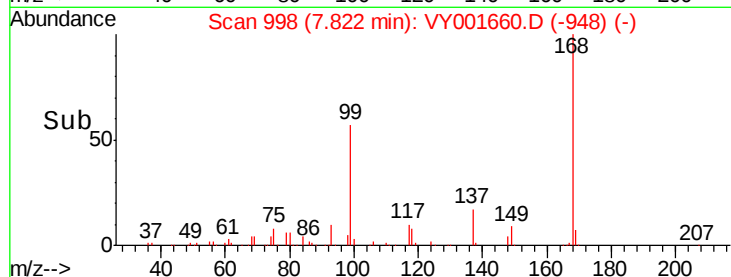
Ion Ratio Lower Upper

168 100

99 56.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001660.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.04 min

Lab File: VY001660.D

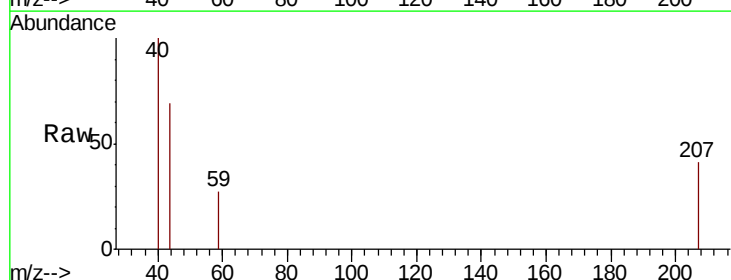
Acq: 17 Feb 2020 20:27

Tgt Ion: 59 Resp: 21

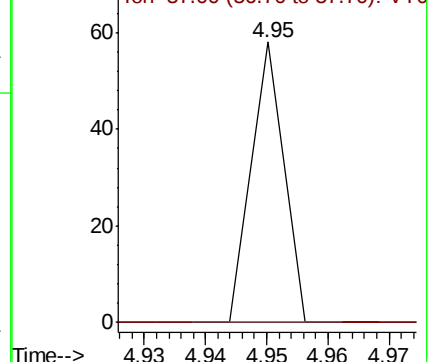
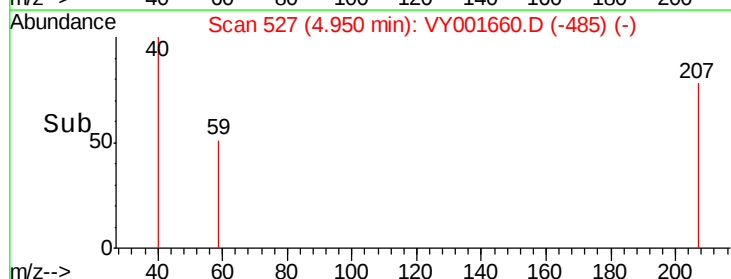
Ion Ratio Lower Upper

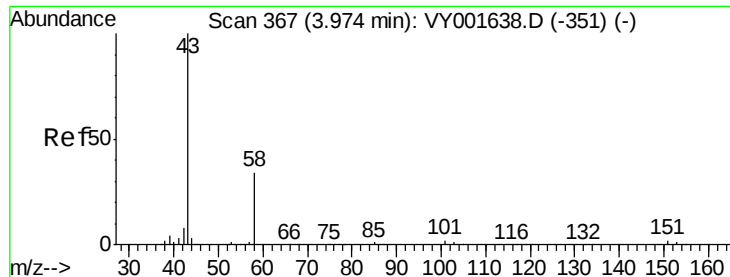
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001660.D (-485) (-)





#16

Acetone

Concen: 1.055 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Instrument :

MSVOA_Y

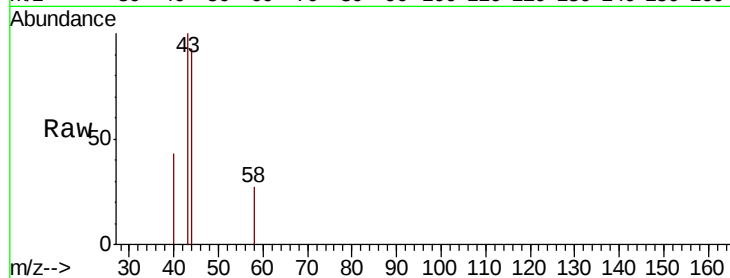
ClientSampled :

Tot Ion: 43 Resp: 587

Ion Ratio Lower Upper

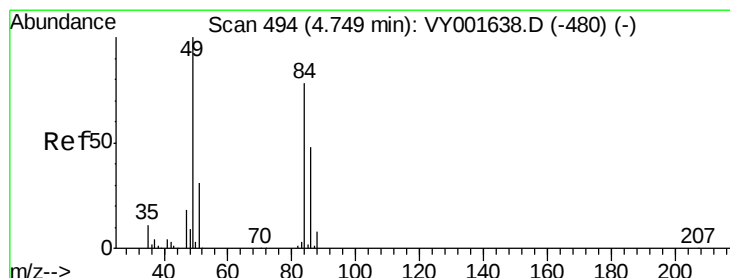
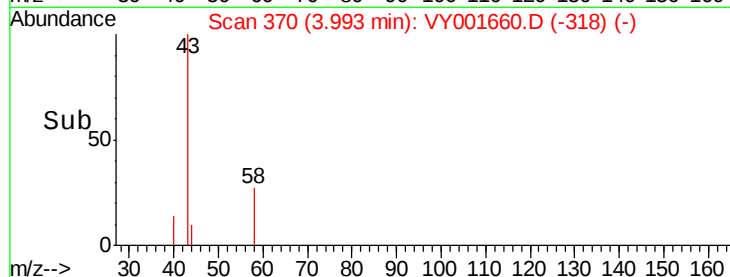
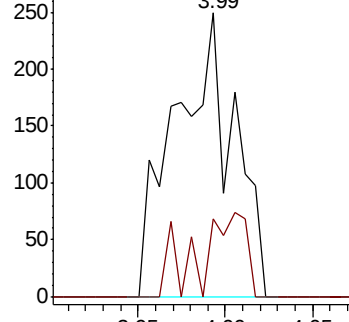
43 100

58 27.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001660.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VY001660.D (-370) (-)



#20

Methylene Chloride

Concen: 4.713 ug/l

RT: 4.76 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Tgt Ion: 84 Resp: 9315

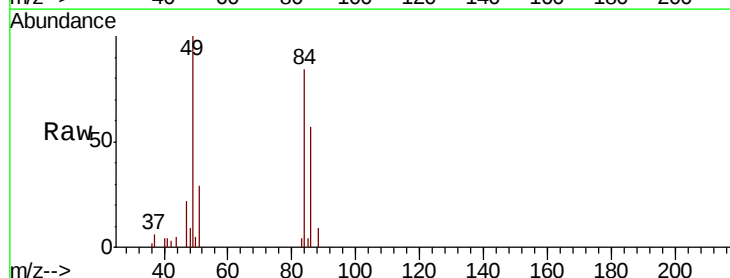
Ion Ratio Lower Upper

84 100

49 119.5 99.2 148.8

51 34.7 31.5 47.3

86 67.6 51.0 76.6

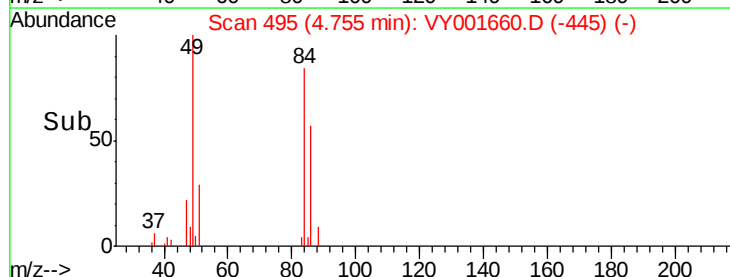
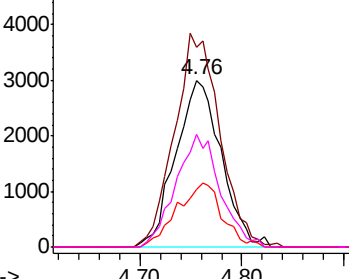


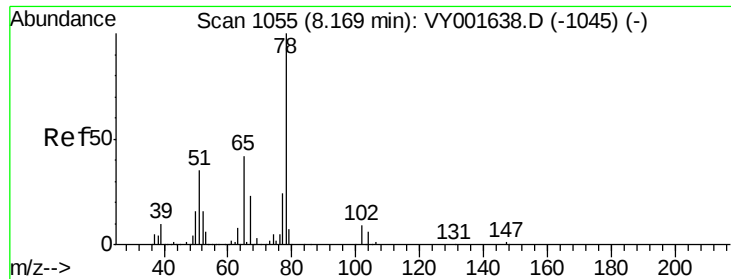
Abundance Ion 83.90 (83.60 to 84.60): VY001660.D (-495) (-)

Ion 48.90 (48.60 to 49.60): VY001660.D (-495) (-)

Ion 50.90 (50.60 to 51.60): VY001660.D (-495) (-)

Ion 85.90 (85.60 to 86.60): VY001660.D (-495) (-)

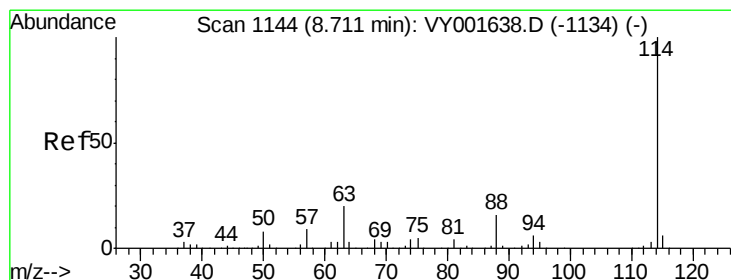
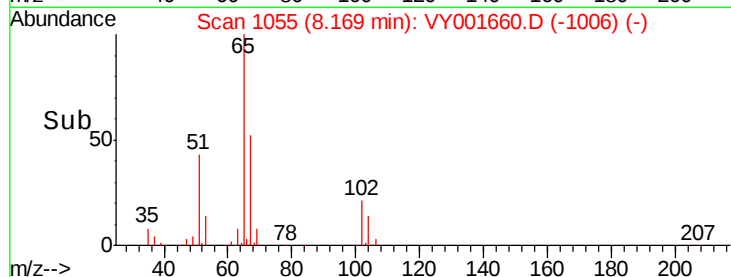
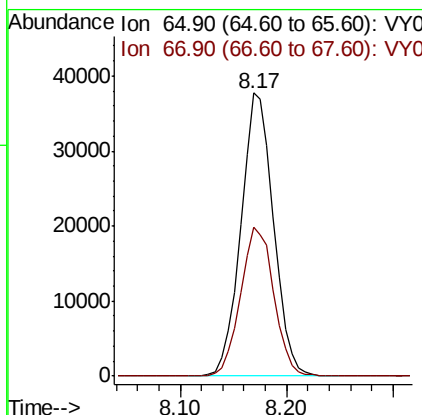
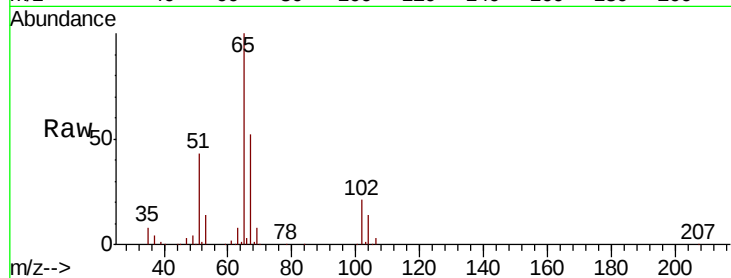




#33
 1,2-Dichloroethane-d4
 Concen: 50.368 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001660.D
 Acq: 17 Feb 2020 20:27

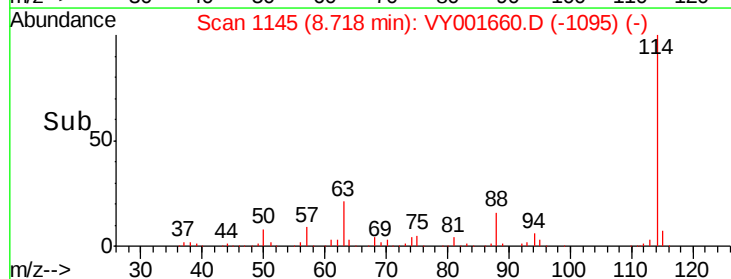
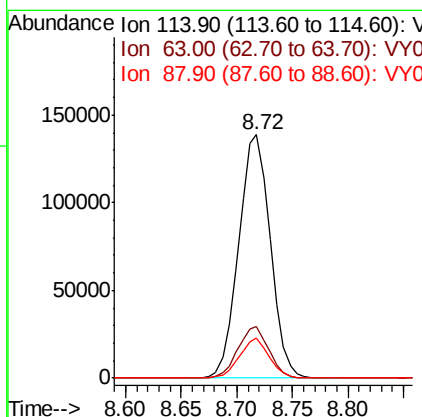
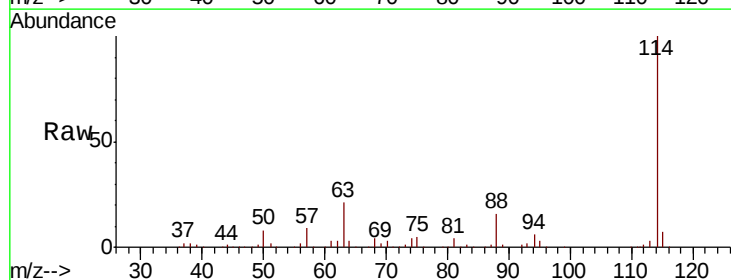
Instrument :
 MSVOA_Y
 ClientSampleId :

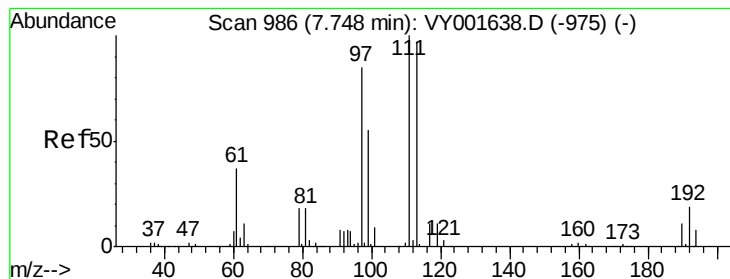
Tot Ion: 65 Resp: 80990
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001660.D
 Acq: 17 Feb 2020 20:27

Tgt Ion: 114 Resp: 273325
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.469 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Instrument :

MSVOA_Y

ClientSampleId :

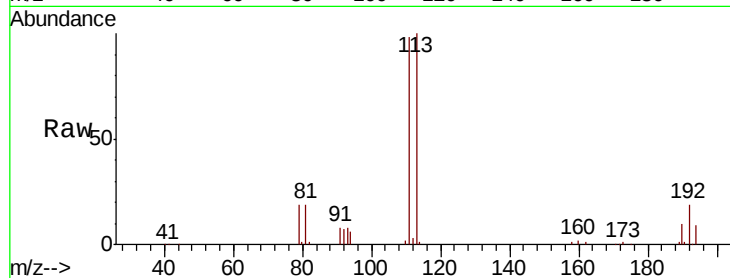
Tot Ion:113 Resp: 79009

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

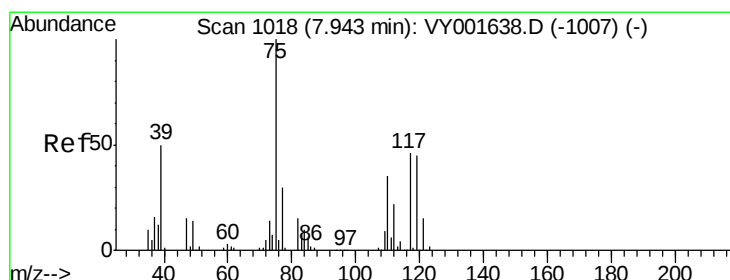
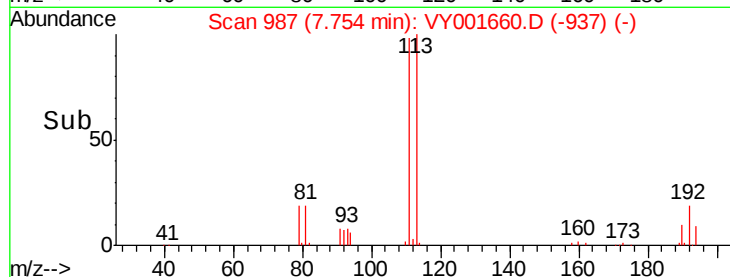
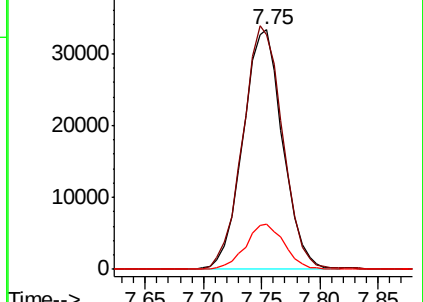
192 18.5 14.3 21.5



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: 4.647 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

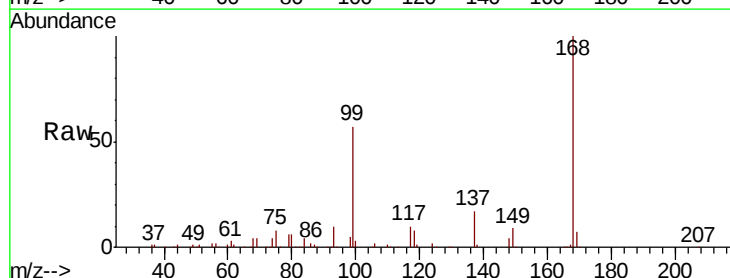
Tgt Ion: 75 Resp: 12133

Ion Ratio Lower Upper

75 100

110 8.3 17.2 51.6#

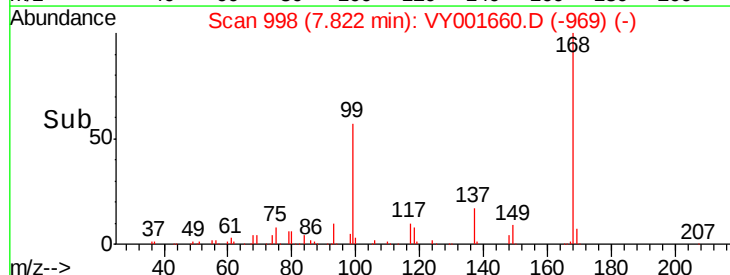
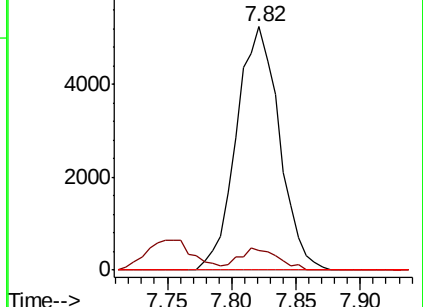
77 0.0 24.8 37.2#

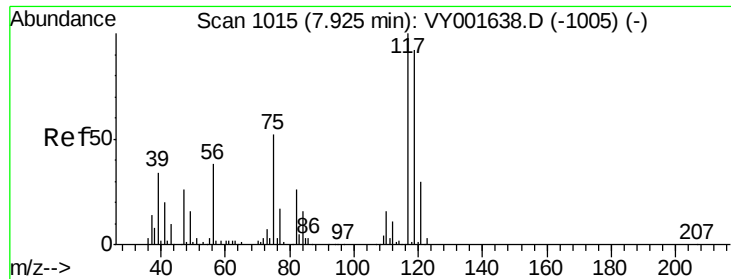


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

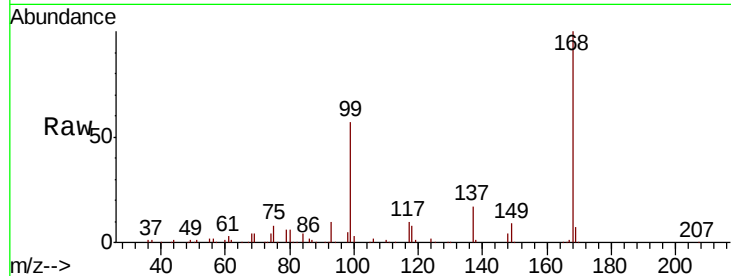




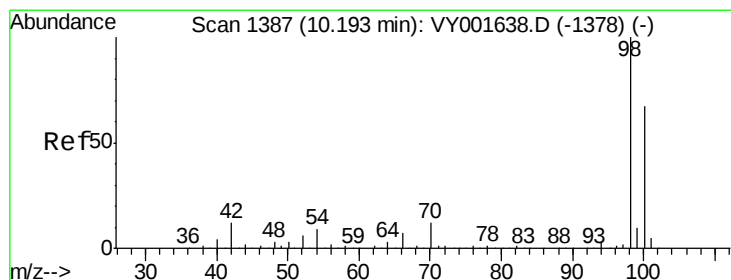
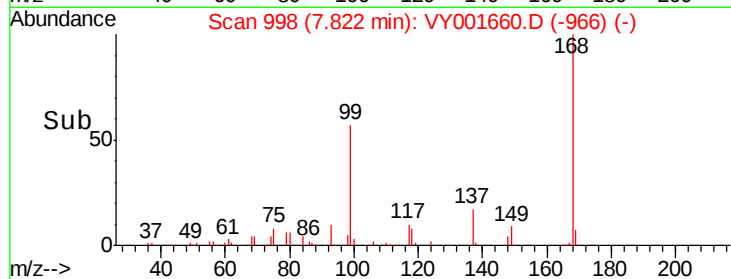
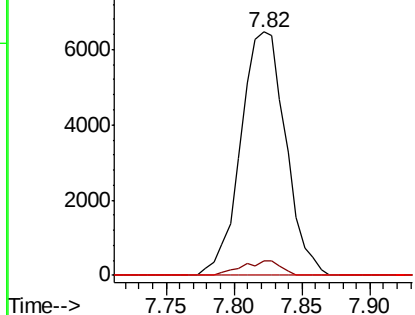
#38
Carbon Tetrachloride
Concen: 6.524 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001660.D
Acq: 17 Feb 2020 20:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 14960
Ion Ratio Lower Upper
117 100
119 6.1 74.8 112.2#
121 0.0 23.8 35.6#

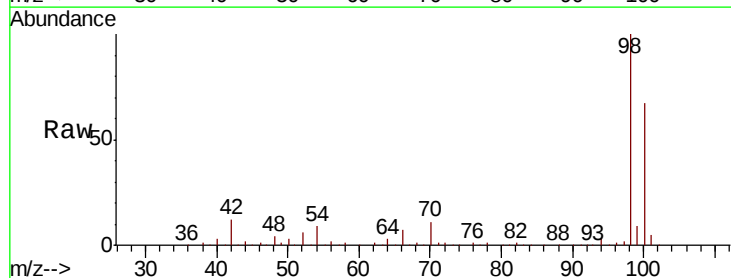


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

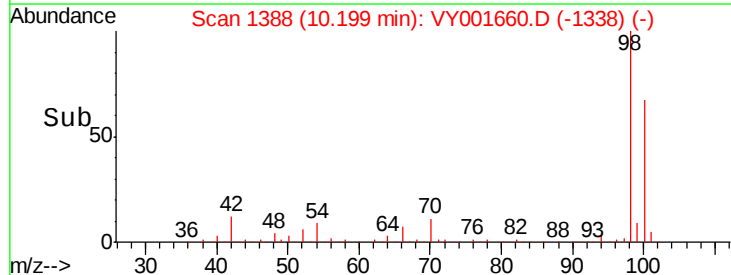
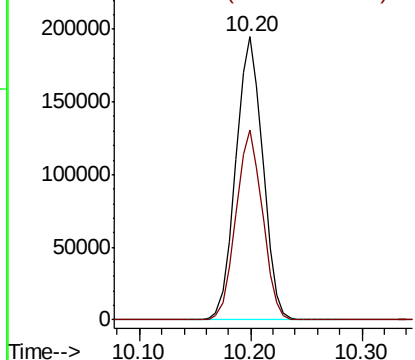


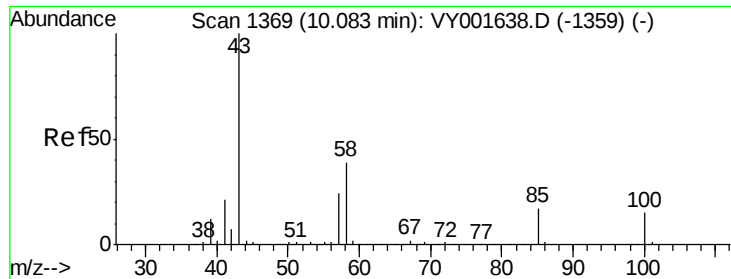
#50
Toluene-d8
Concen: 53.161 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001660.D
Acq: 17 Feb 2020 20:27

Tgt Ion: 98 Resp: 326043
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



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: 1.001 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Instrument :

MSVOA_Y

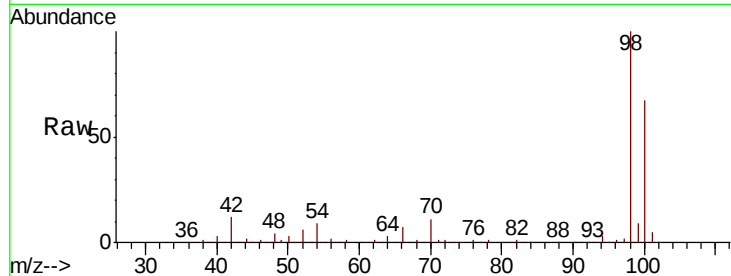
ClientSampleId :

Tot Ion: 43 Resp: 1521

Ion Ratio Lower Upper

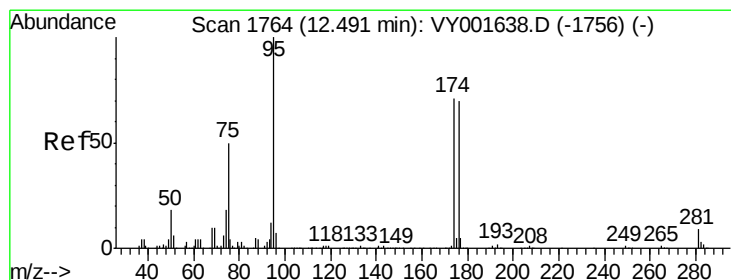
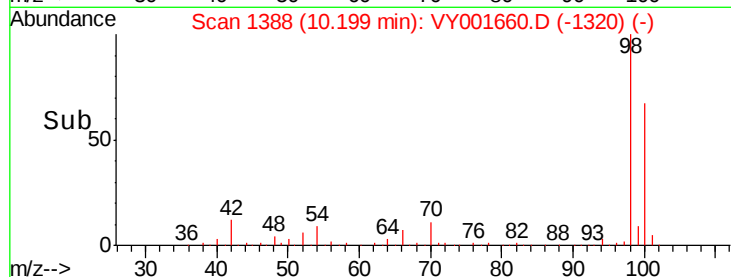
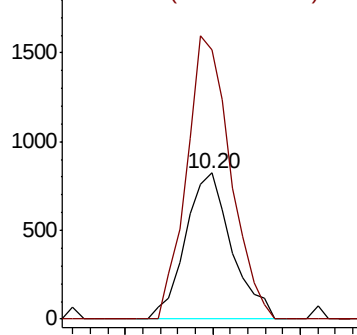
43 100

58 183.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 42.284 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

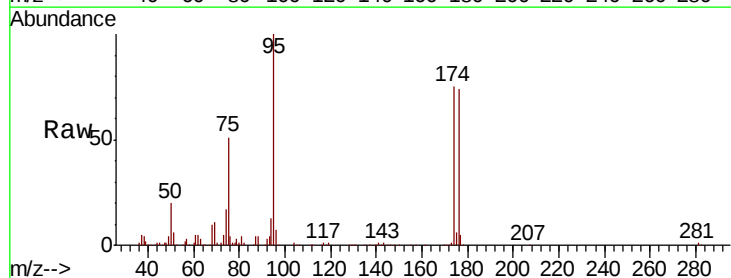
Tgt Ion: 95 Resp: 100747

Ion Ratio Lower Upper

95 100

174 76.0 0.0 138.4

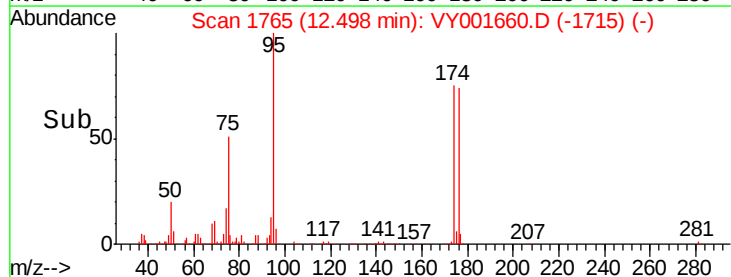
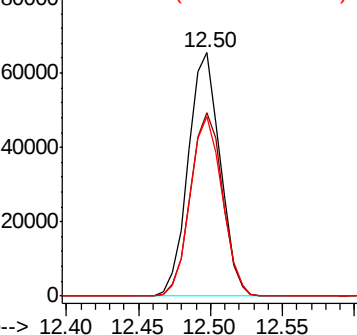
176 73.8 0.0 131.8

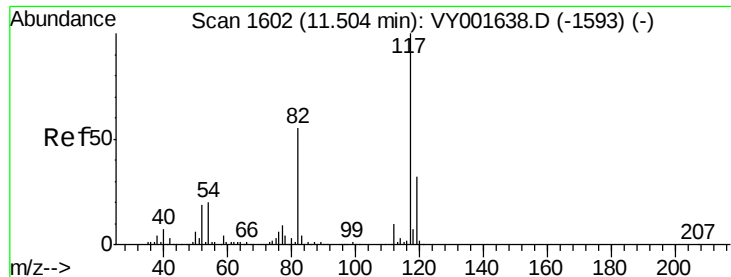


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

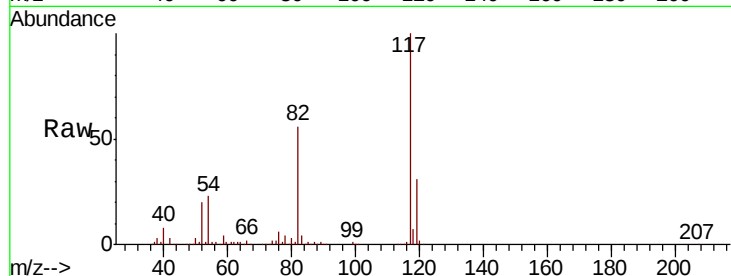




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001660.D
Acq: 17 Feb 2020 20:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.5	68.3
119	31.1	25.8	38.6

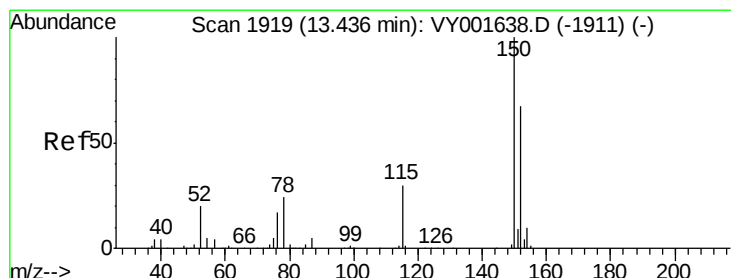
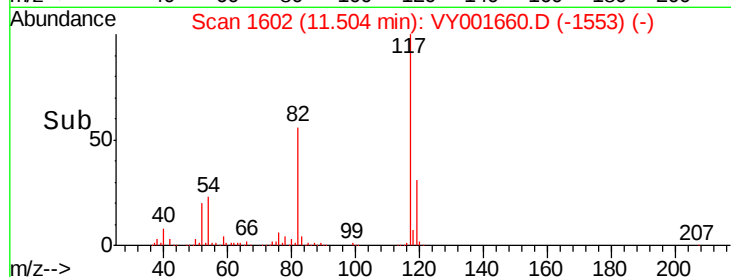
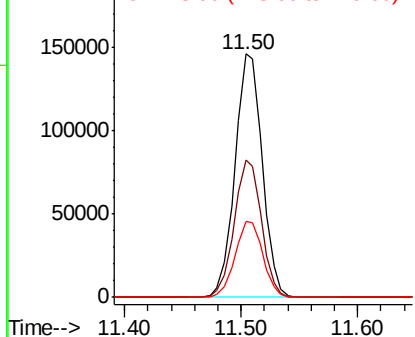


Abundance

Ion 116.90 (116.60 to 117.60): V

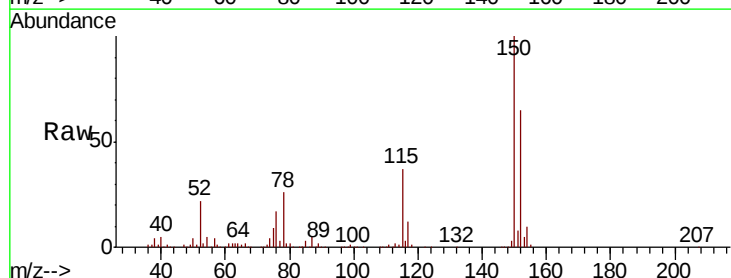
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001660.D
Acq: 17 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.4	94.2
150	157.3	0.0	407.2

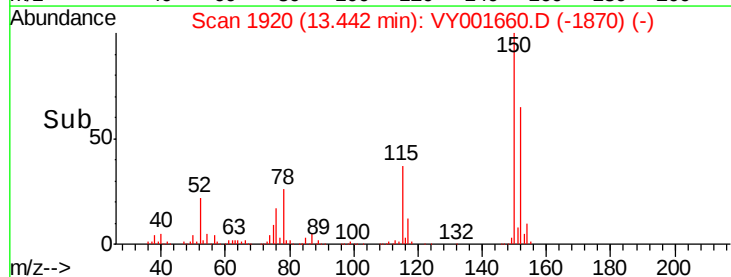
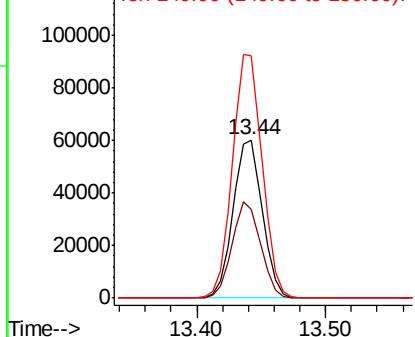


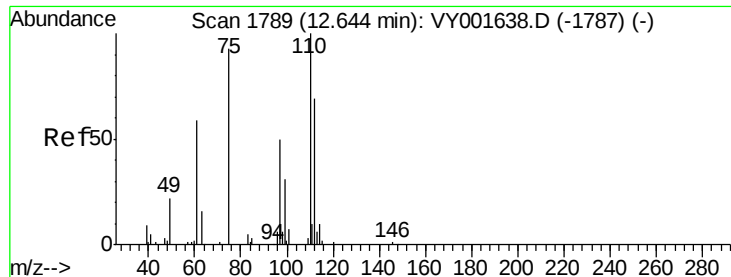
Abundance

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: 48.365 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Instrument :

MSVOA_Y

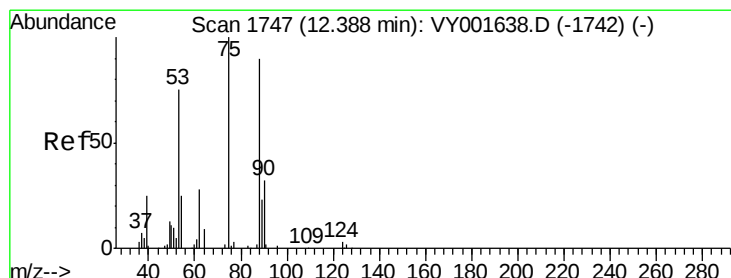
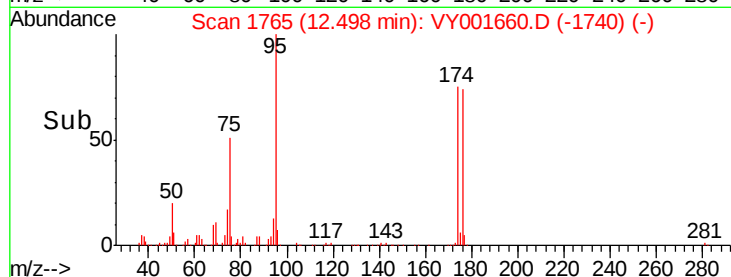
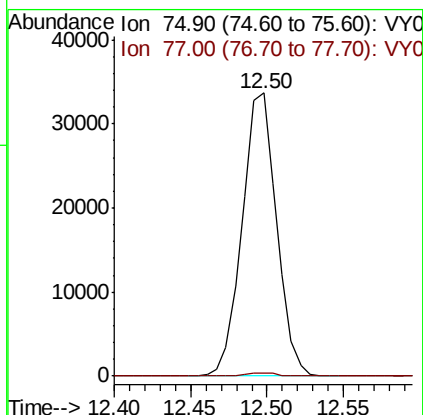
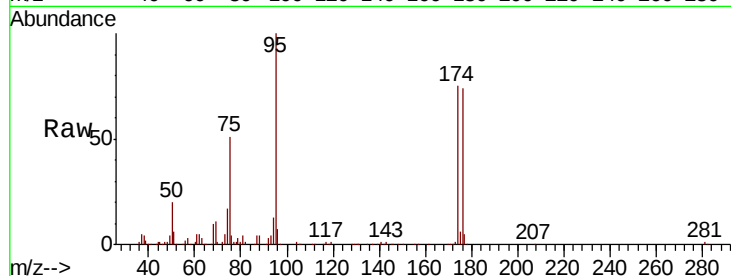
ClientSampleId :

Tot Ion: 75 Resp: 52574

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.756 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001660.D

Acq: 17 Feb 2020 20:27

Tgt Ion: 75 Resp: 52574

Ion Ratio Lower Upper

75 100

53 0.1 64.5 96.7#

89 0.0 36.3 54.5#

