

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022620\
 Data File : VY001786.D
 Acq On : 26 Feb 2020 16:52
 Operator : SY/MD
 Sample : L1697-02
 Misc : 4.16G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 27 02:25:57 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	7.81	168	153507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	107808	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	93809	56.81	ug/l	0.00
Spiked Amount			Recovery	=	113.62%	
35) Dibromofluoromethane	7.74	113	84948	51.19	ug/l	-0.01
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.19	98	345829	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.49	95	113848	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	

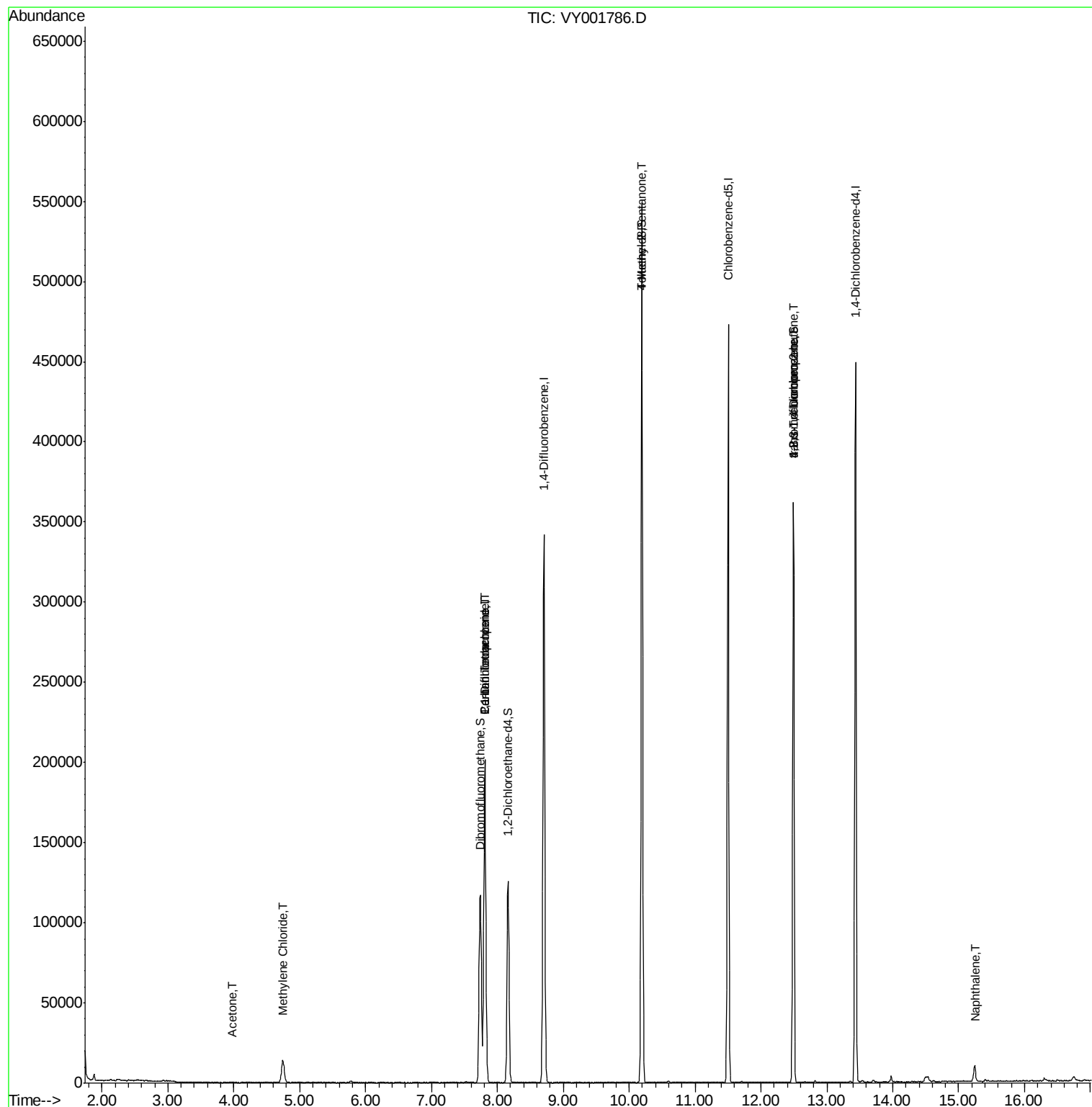
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	73	Below Cal	#	74
16) Acetone	3.97	43	713	1.248	ug/l #	41
20) Methylene Chloride	4.75	84	9942	4.899	ug/l #	85
36) 1,1-Dichloropropene	7.81	75	12673	4.580	ug/l #	49
38) Carbon Tetrachloride	7.81	117	15763	6.485	ug/l #	19
51) 4-Methyl-2-Pentanone	10.19	43	1646	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	58870	47.603	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58870	90.310	ug/l #	17
95) Naphthalene	15.25	128	6328	1.300	ug/l	96

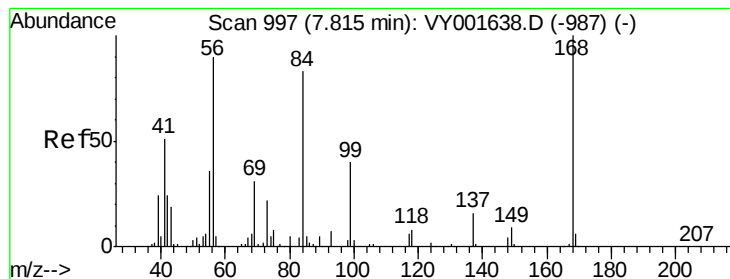
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_Y

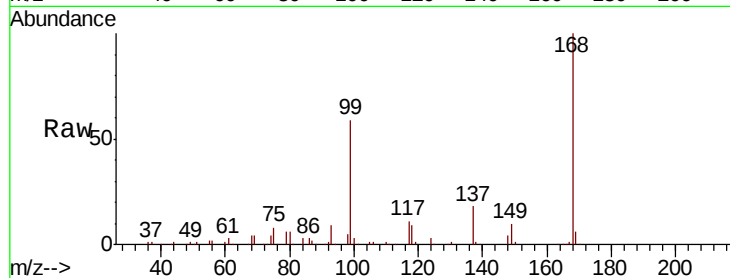
ClientSampled :

Tot Ion:168 Resp: 153507

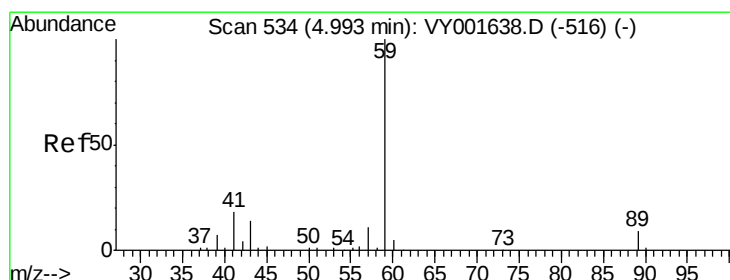
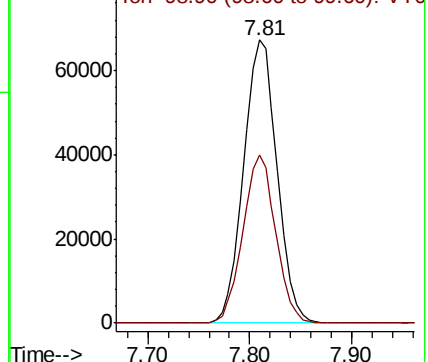
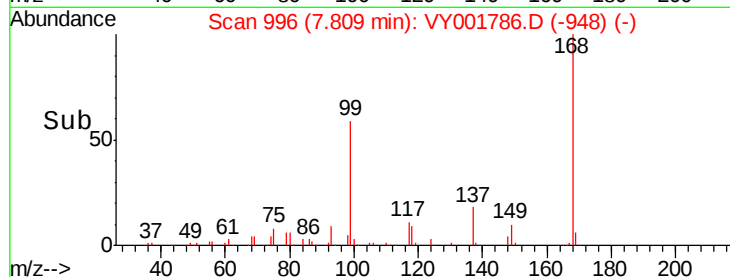
Ion Ratio Lower Upper

168 100

99 59.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001786.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001786.D

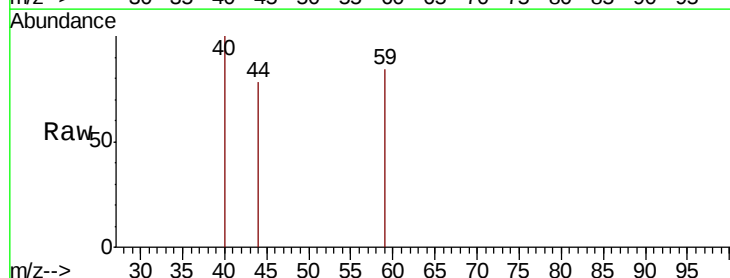
Acq: 26 Feb 2020 16:52

Tgt Ion: 59 Resp: 73

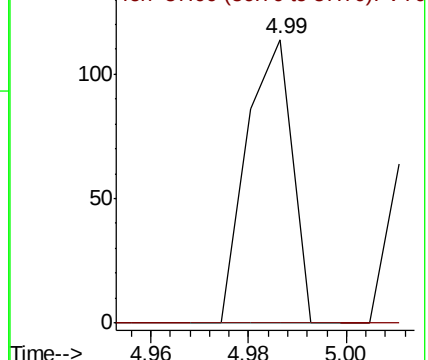
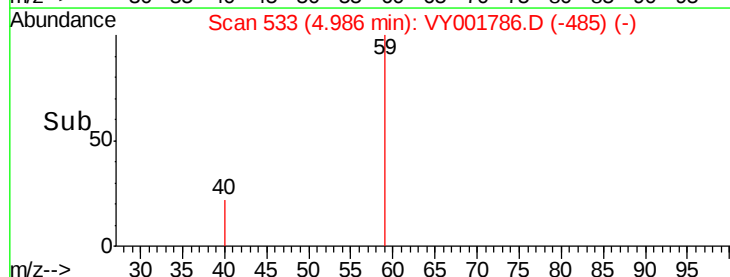
Ion Ratio Lower Upper

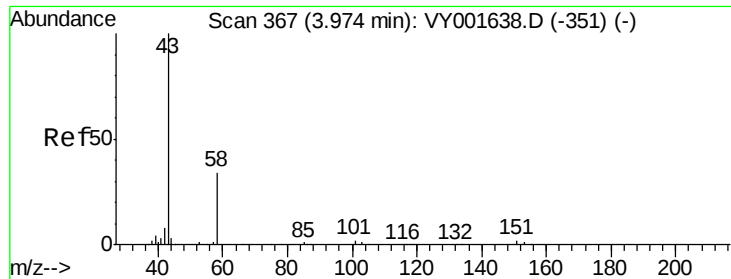
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001786.D (-485) (-)





#16

Acetone

Concen: 1.248 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_Y

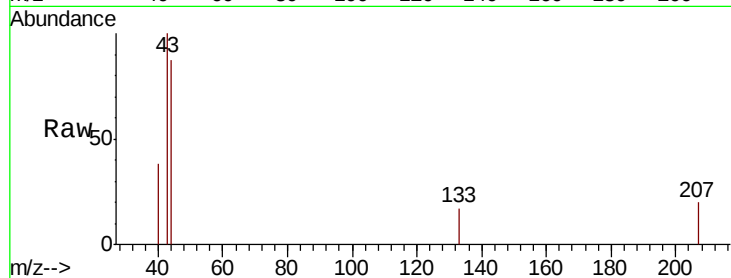
ClientSampleId :

Tot Ion: 43 Resp: 713

Ion Ratio Lower Upper

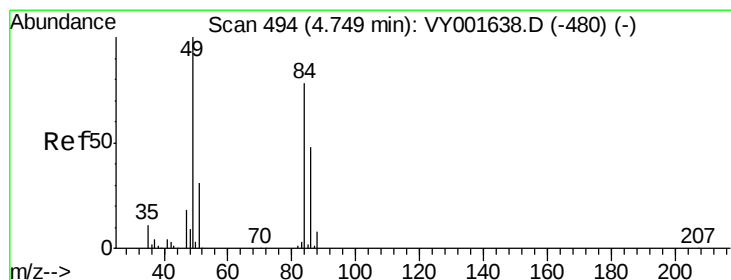
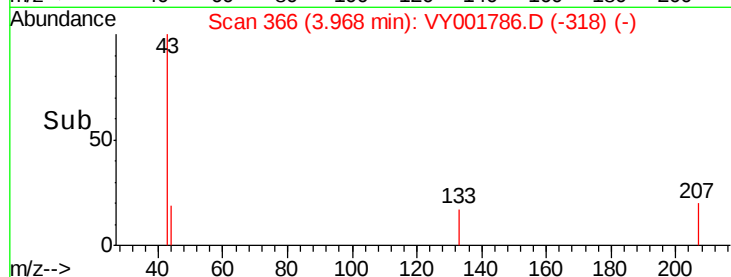
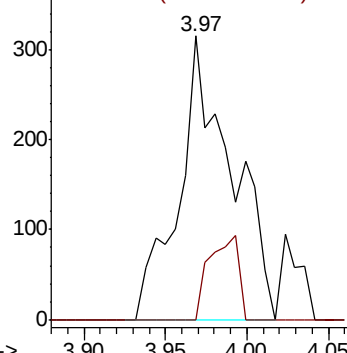
43 100

58 0.0 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.899 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.00 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

Tgt Ion: 84 Resp: 9942

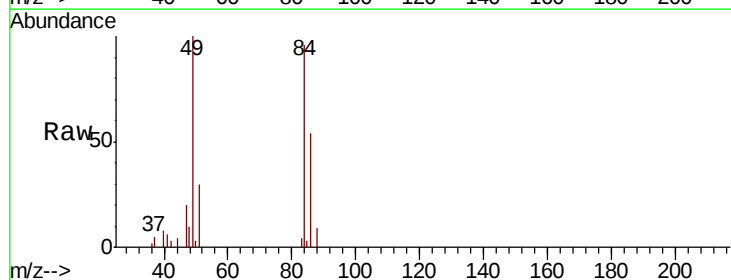
Ion Ratio Lower Upper

84 100

49 104.4 99.2 148.8

51 30.9 31.5 47.3#

86 56.1 51.0 76.6

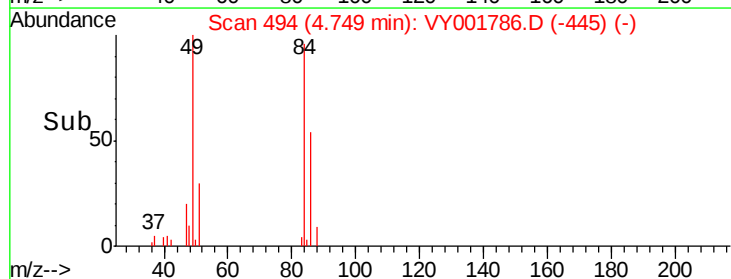
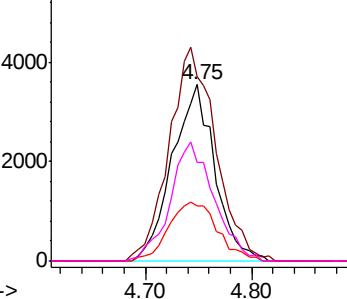


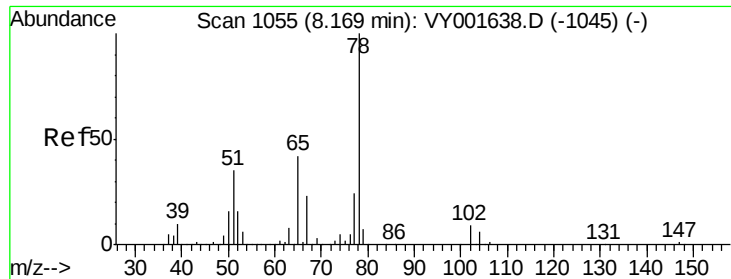
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

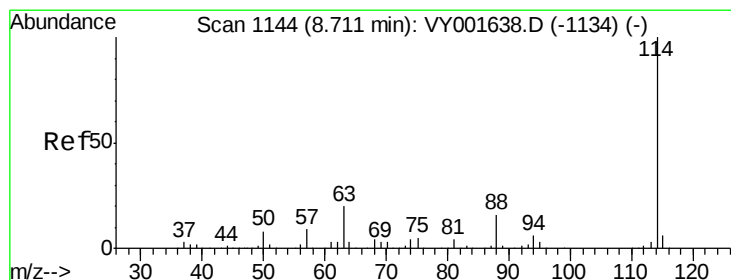
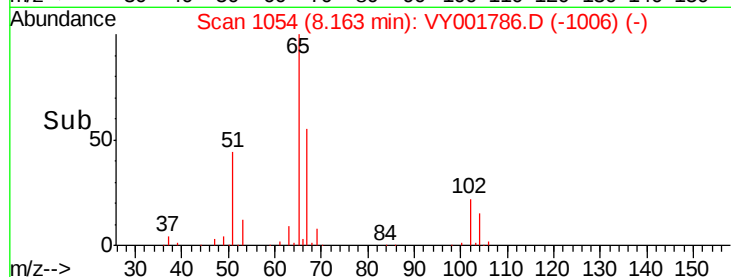
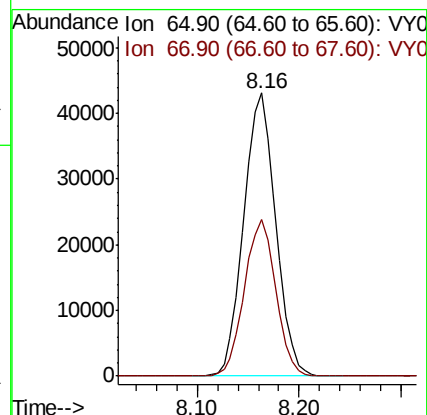
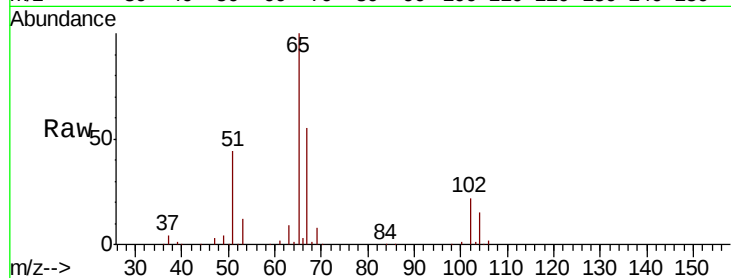




#33
 1,2-Dichloroethane-d4
 Concen: 56.813 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001786.D
 Acq: 26 Feb 2020 16:52

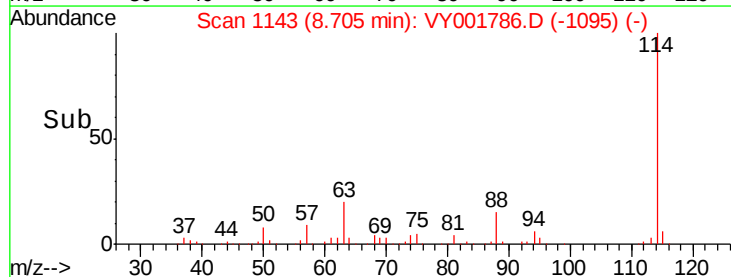
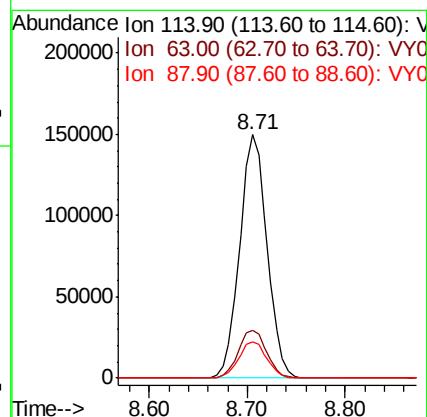
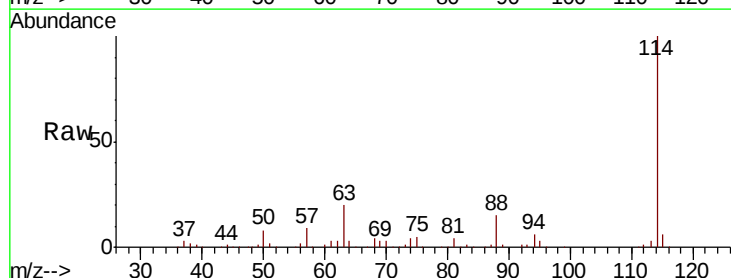
Instrument :
 MSVOA_Y
 ClientSampleId :

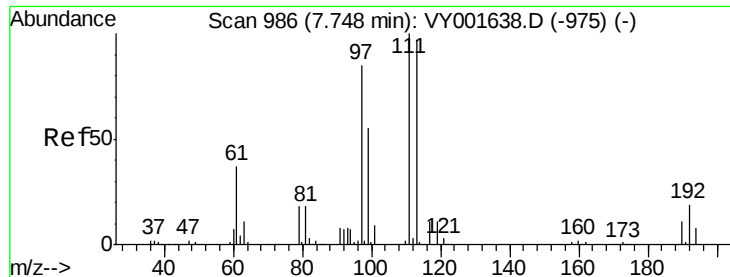
Tot Ion: 65 Resp: 93809
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001786.D
 Acq: 26 Feb 2020 16:52

Tgt Ion: 114 Resp: 289706
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.195 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_Y

ClientSampleId :

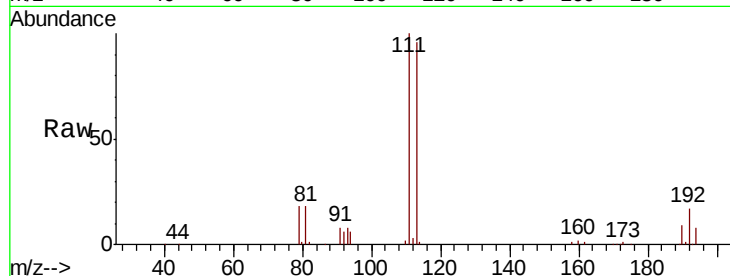
Tot Ion:113 Resp: 84948

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

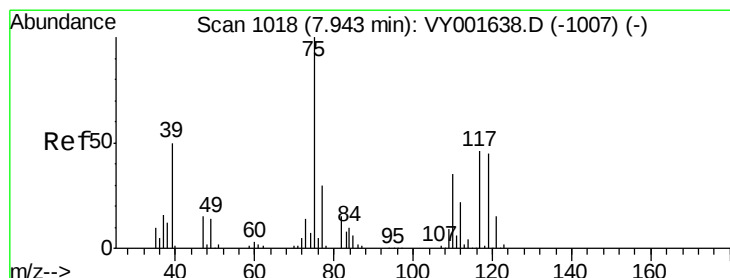
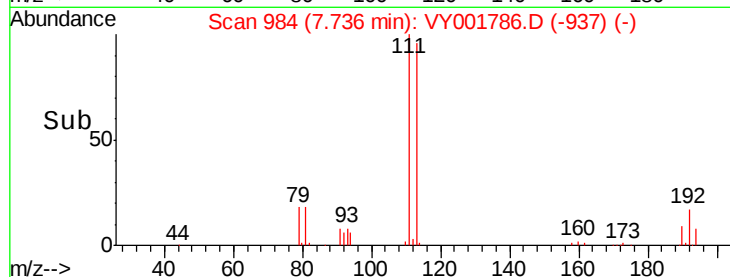
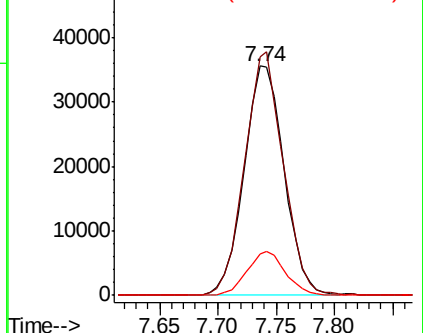
192 18.4 14.3 21.5



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: 4.580 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

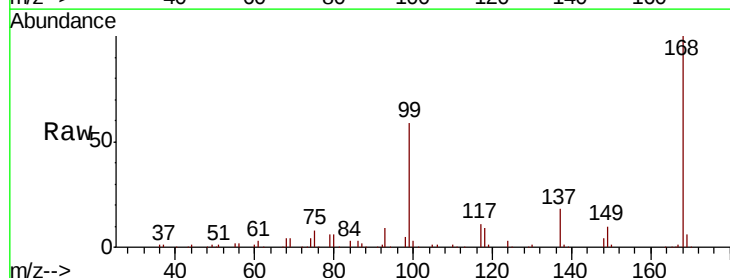
Tgt Ion: 75 Resp: 12673

Ion Ratio Lower Upper

75 100

110 7.9 17.2 51.6#

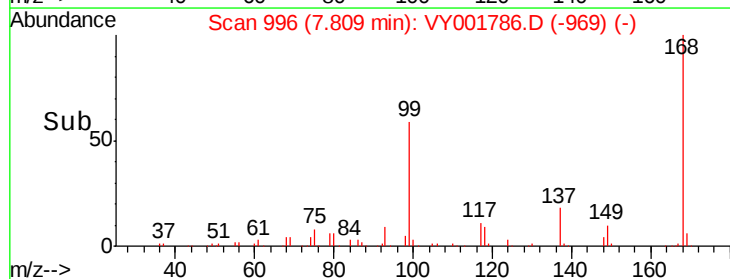
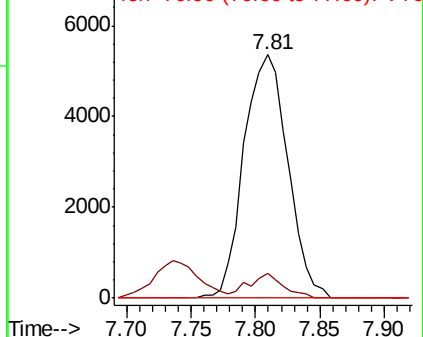
77 0.0 24.8 37.2#

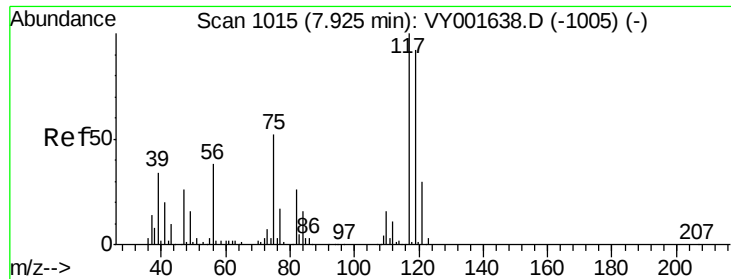


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

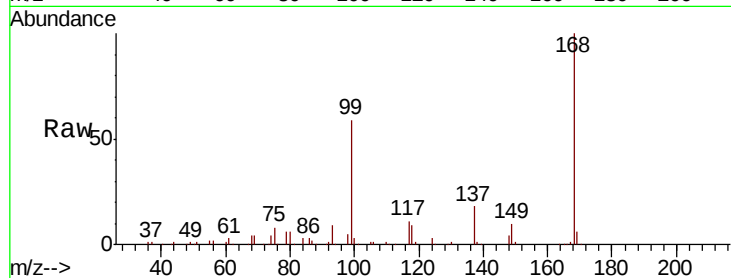




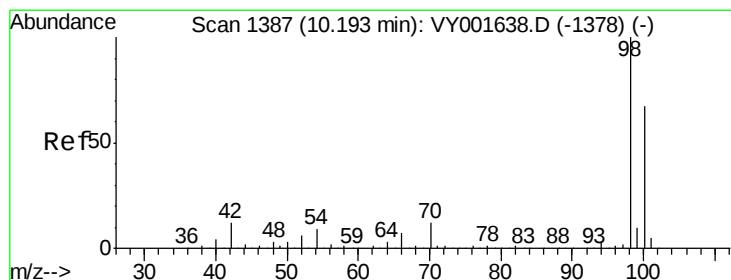
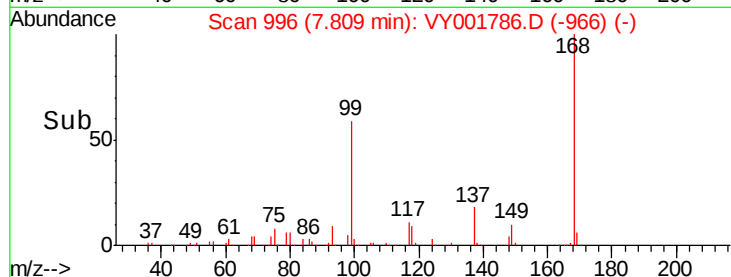
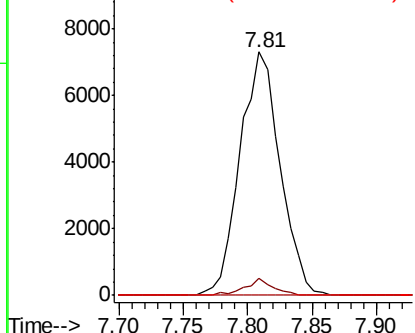
#38
Carbon Tetrachloride
Concen: 6.485 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001786.D
Acq: 26 Feb 2020 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 15763
Ion Ratio Lower Upper
117 100
119 7.0 74.8 112.2#
121 0.0 23.8 35.6#

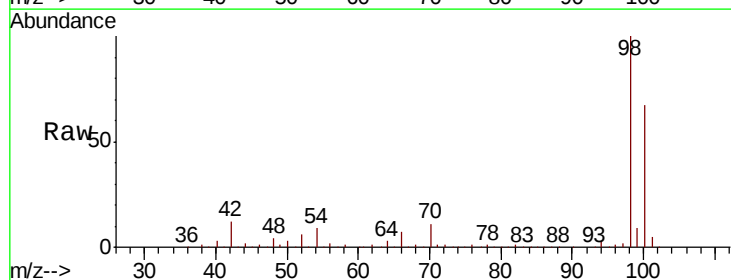


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

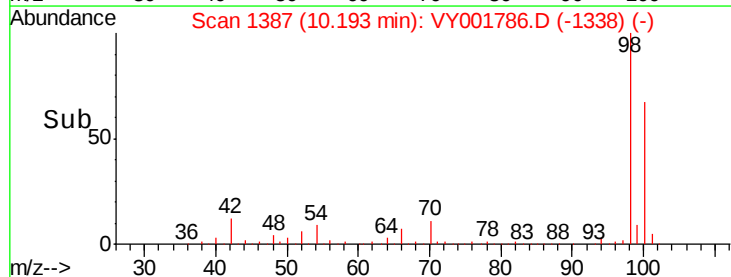
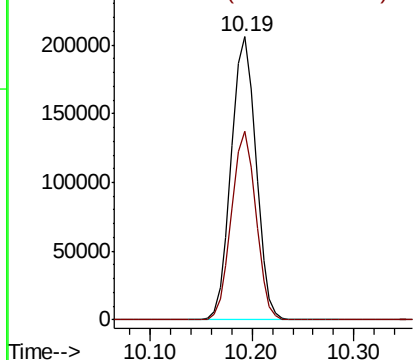


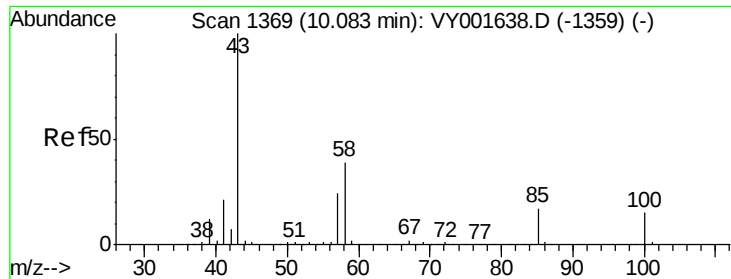
#50
Toluene-d8
Concen: 53.199 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001786.D
Acq: 26 Feb 2020 16:52

Tgt Ion: 98 Resp: 345829
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 1.022 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_Y

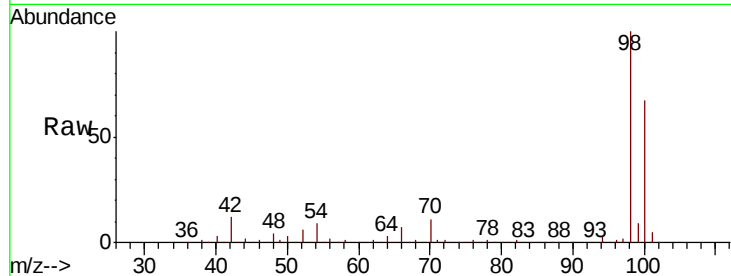
ClientSampleId :

Tot Ion: 43 Resp: 1646

Ion Ratio Lower Upper

43 100

58 170.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1359) (-)

2000

1500

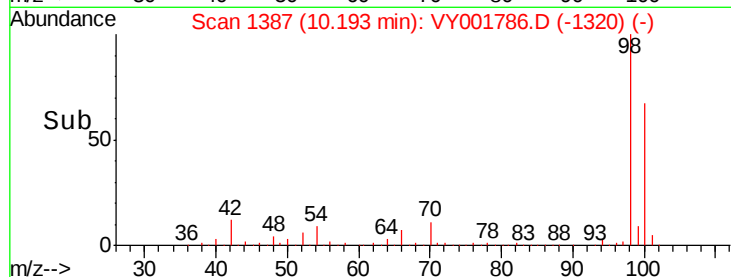
1000

500

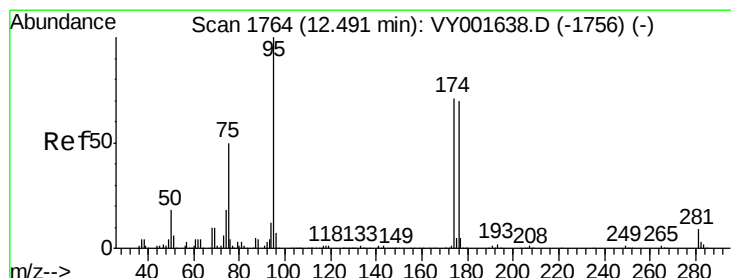
0

10.10 10.15 10.20 10.25

10.19



Time-->



#62

4-Bromofluorobenzene

Concen: 45.080 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

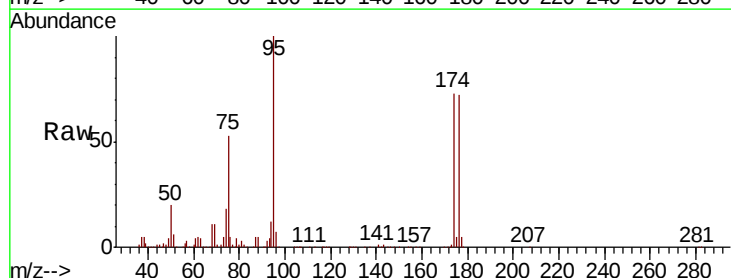
Tgt Ion: 95 Resp: 113848

Ion Ratio Lower Upper

95 100

174 73.2 0.0 138.4

176 72.0 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)

100000

80000

60000

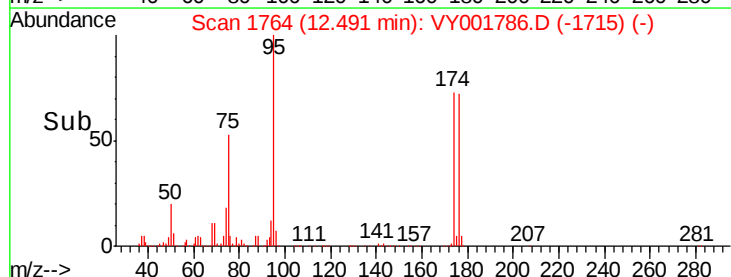
40000

20000

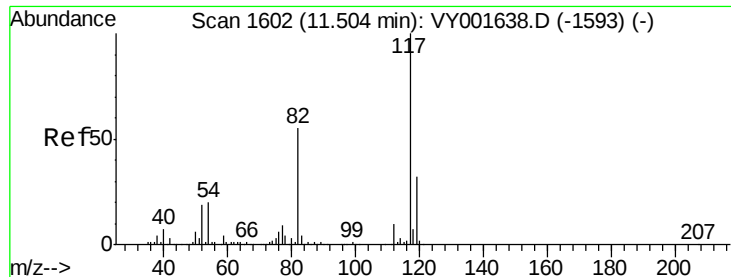
0

12.40 12.45 12.50 12.55

12.49



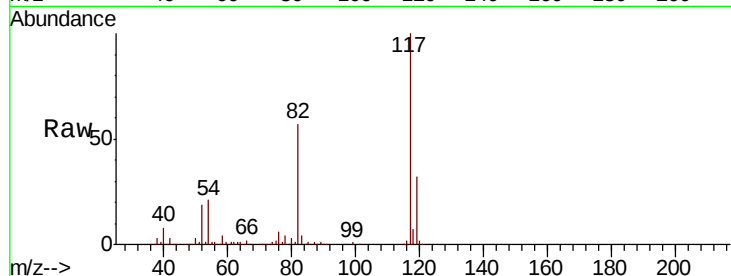
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001786.D
Acq: 26 Feb 2020 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.5	68.3
119	32.3	25.8	38.6

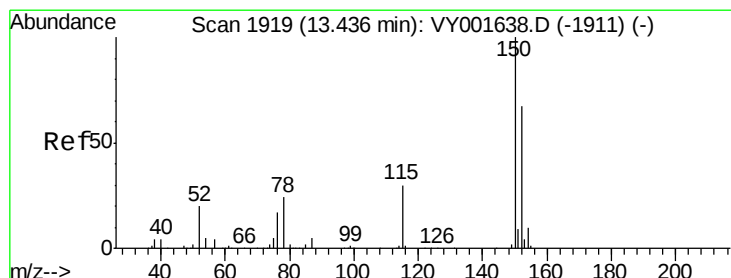
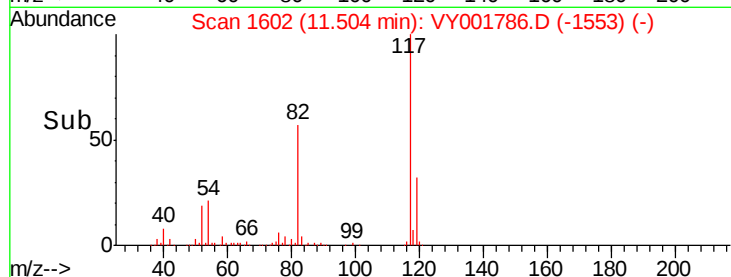
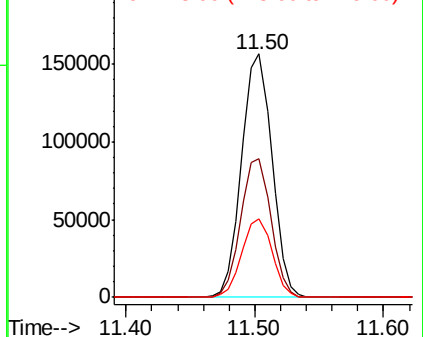


Abundance

Ion 116.90 (116.60 to 117.60): V

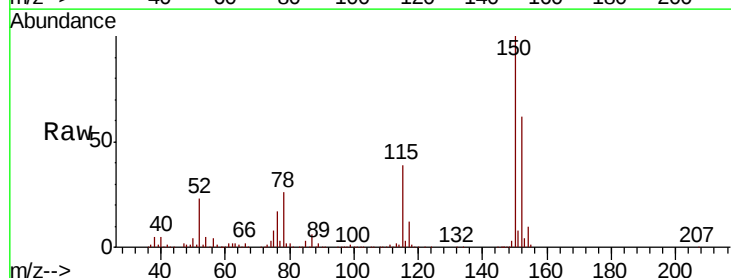
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001786.D
Acq: 26 Feb 2020 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.4	94.2
150	160.6	0.0	407.2

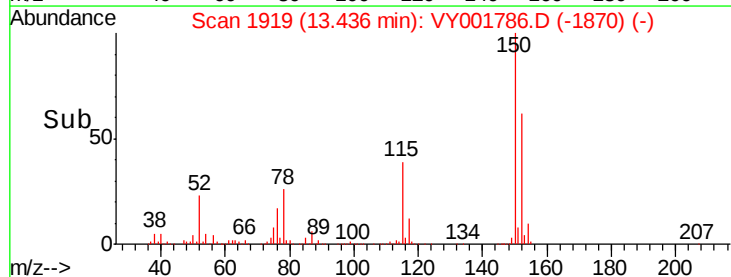
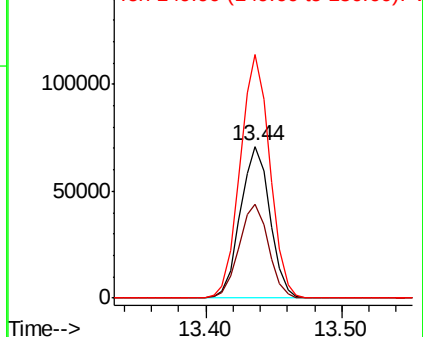


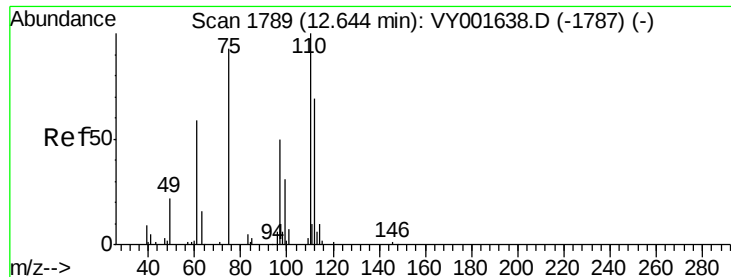
Abundance

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: 47.603 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_Y

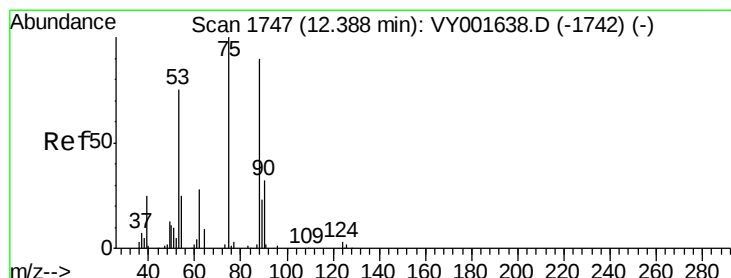
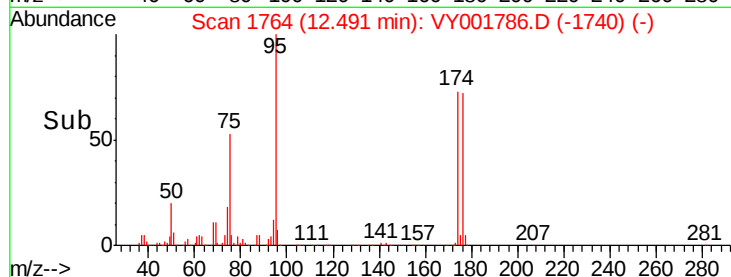
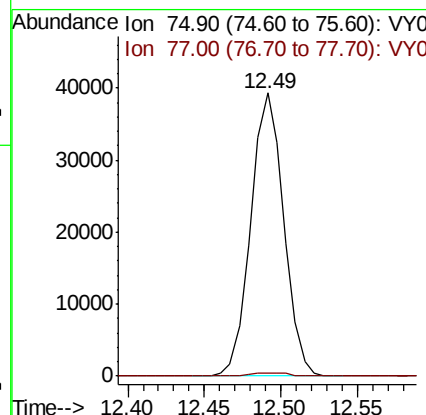
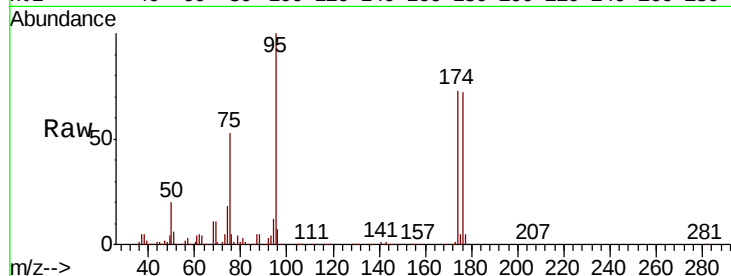
ClientSampleId :

Tot Ion: 75 Resp: 58870

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.310 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001786.D

Acq: 26 Feb 2020 16:52

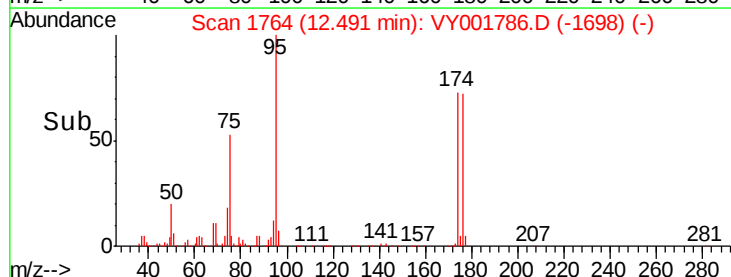
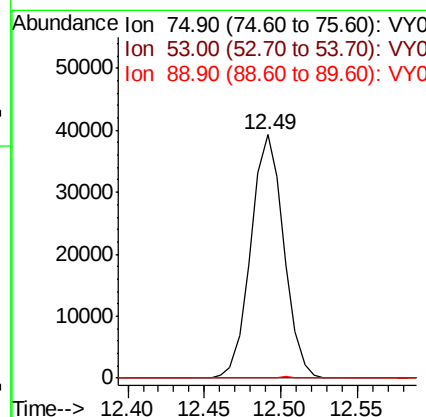
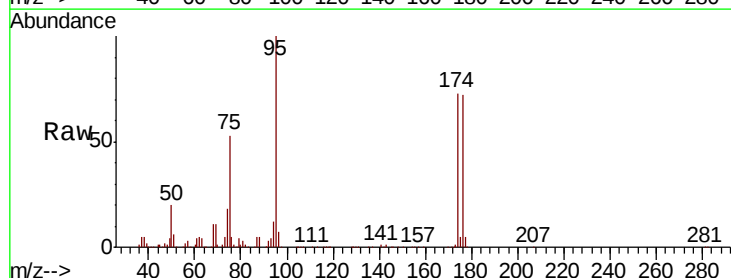
Tgt Ion: 75 Resp: 58870

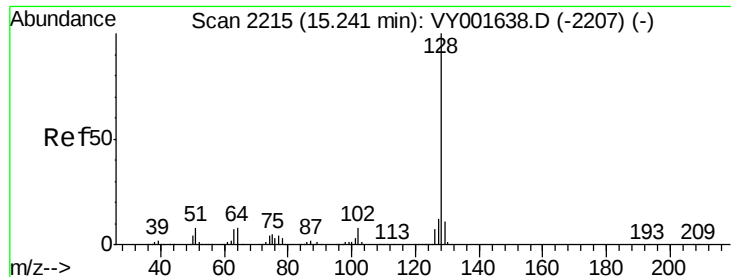
Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#

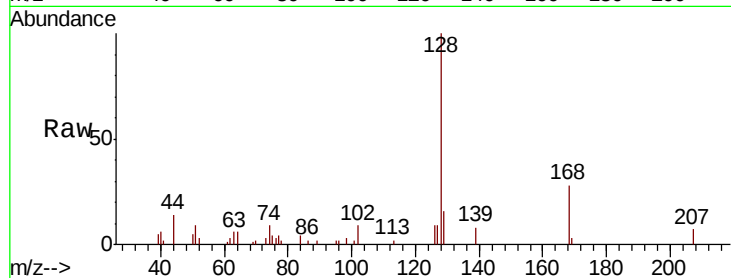




#95
 Naphthalene
 Concen: 1.300 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY001786.D
 Acq: 26 Feb 2020 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.9	14.9
129	12.9	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

