

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001737.D
 Acq On : 21 Feb 2020 13:13
 Operator : SY/MD
 Sample : L1623-02
 Misc : 7.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:42:29 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	168324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116520	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	102481	56.60	ug/l	0.00
Spiked Amount						
			Recovery	=	113.20%	
35) Dibromofluoromethane	7.74	113	90708	50.76	ug/l	0.00
Spiked Amount						
			Recovery	=	101.52%	
50) Toluene-d8	10.20	98	376632	53.80	ug/l	0.00
Spiked Amount						
			Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.50	95	125027	45.97	ug/l	0.00
Spiked Amount						
			Recovery	=	91.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	22	Below Cal	#	74
16) Acetone	3.99	43	2162	3.451	ug/l	91
20) Methylene Chloride	4.76	84	10375	4.662	ug/l	96
36) 1,1-Dichloropropene	7.82	75	14371	4.822	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16943	6.473	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1842	1.062	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	64157	47.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	64157	91.062	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

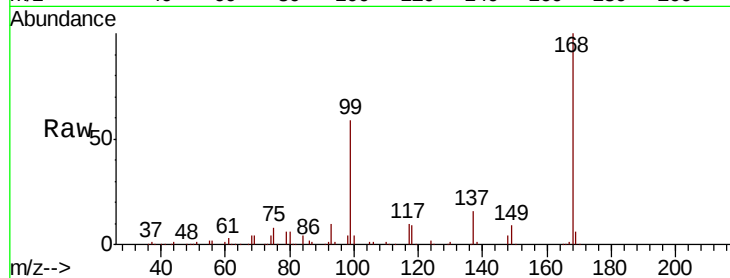
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 168324

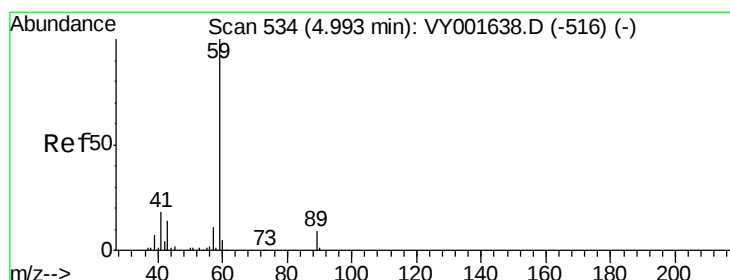
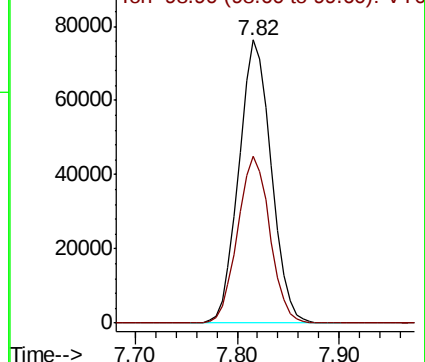
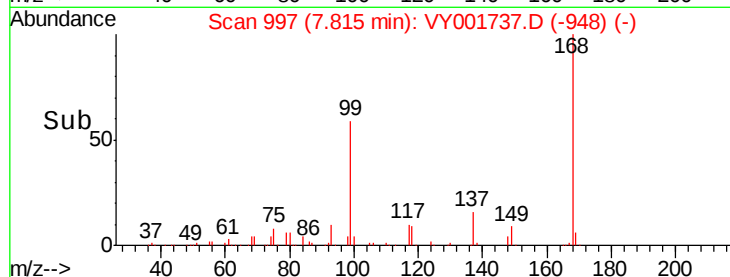
Ion Ratio Lower Upper

168 100

99 58.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001737.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 525

Delta R.T. -0.05 min

Lab File: VY001737.D

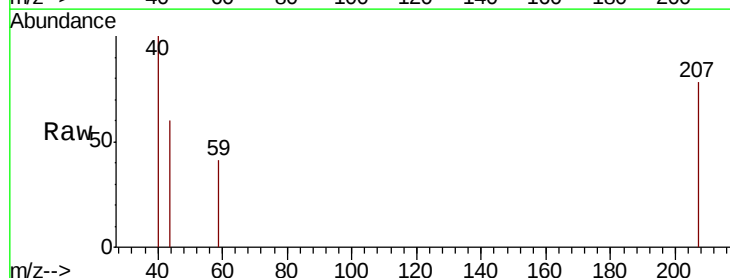
Acq: 21 Feb 2020 13:13

Tgt Ion: 59 Resp: 22

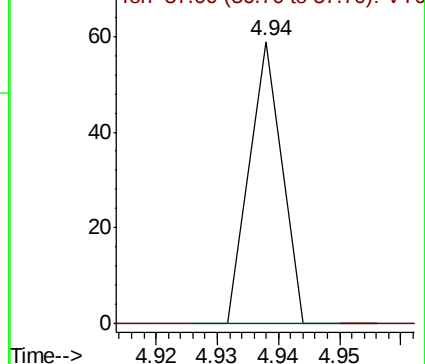
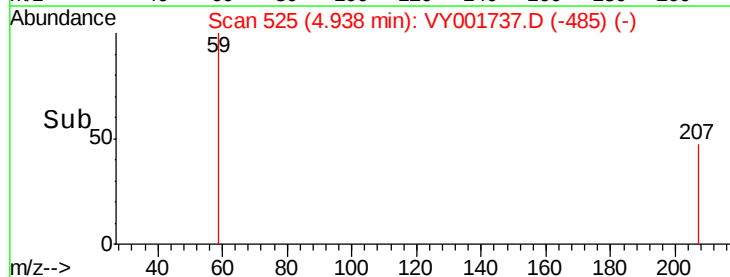
Ion Ratio Lower Upper

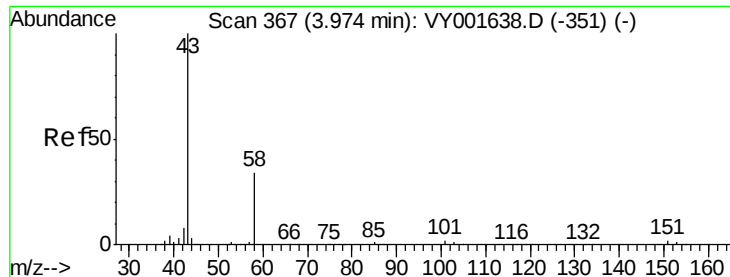
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001737.D (-485) (-)





#16

Acetone

Concen: 3.451 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_Y

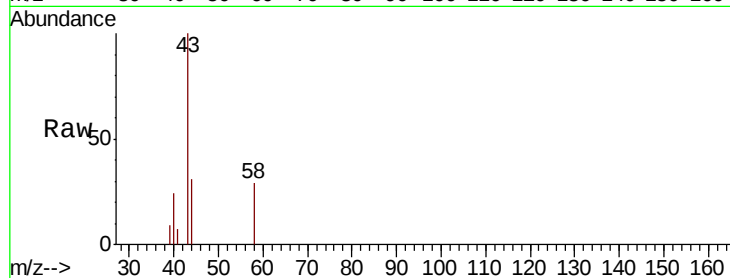
ClientSampleId :

Tot Ion: 43 Resp: 2162

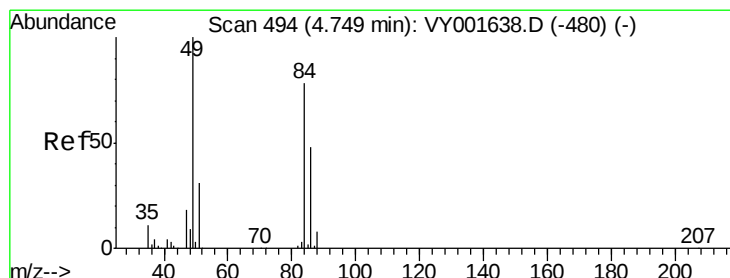
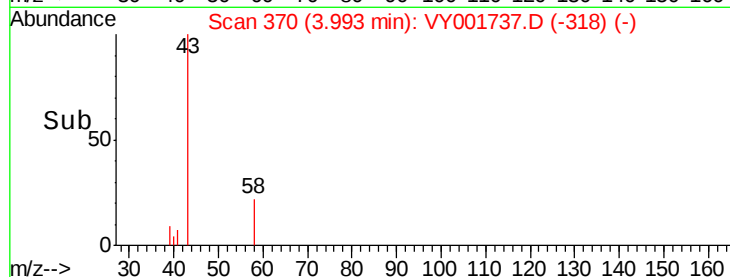
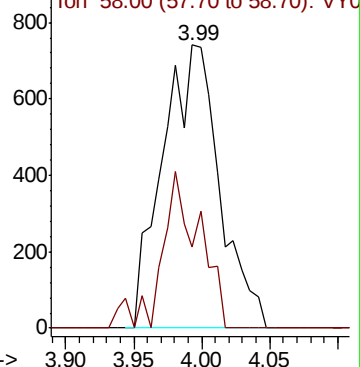
Ion Ratio Lower Upper

43 100

58 28.7 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001737.D (-370) (-)



#20

Methylene Chloride

Concen: 4.662 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

Tgt Ion: 84 Resp: 10375

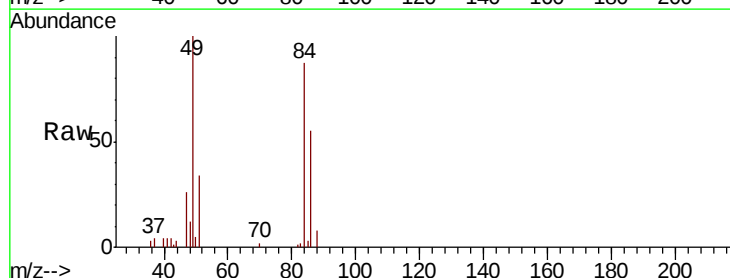
Ion Ratio Lower Upper

84 100

49 115.2 99.2 148.8

51 38.9 31.5 47.3

86 63.7 51.0 76.6

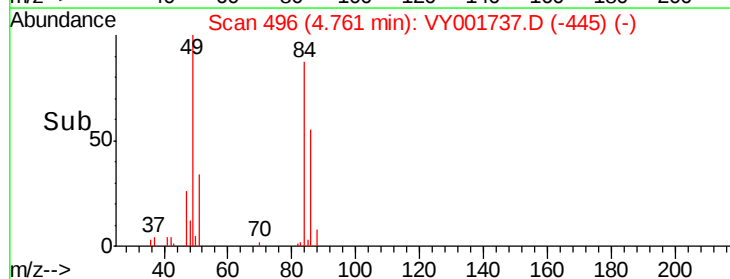
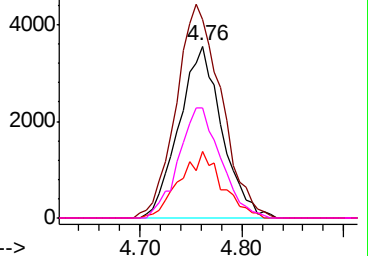


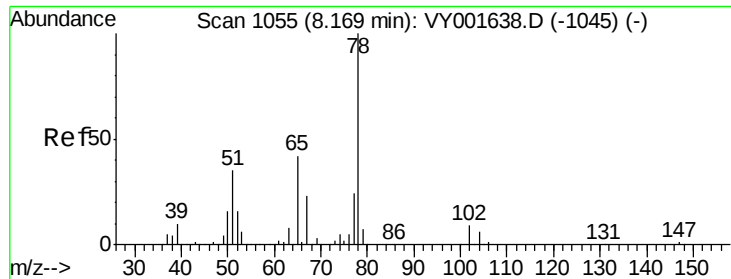
Abundance Ion 83.90 (83.60 to 84.60): VY001737.D (-496) (-)

Ion 48.90 (48.60 to 49.60): VY001737.D (-496) (-)

Ion 50.90 (50.60 to 51.60): VY001737.D (-496) (-)

Ion 85.90 (85.60 to 86.60): VY001737.D (-496) (-)

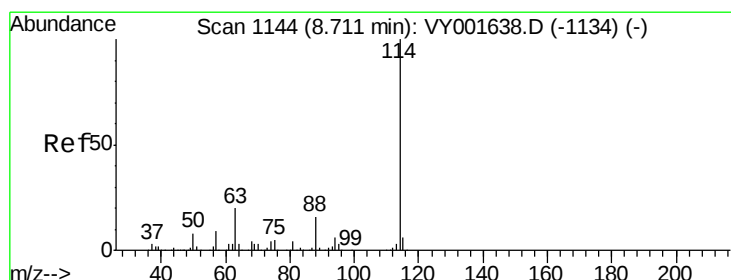
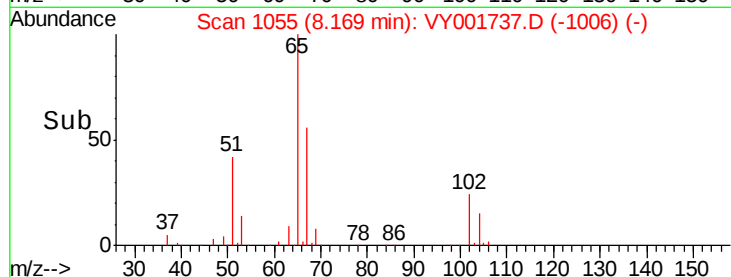
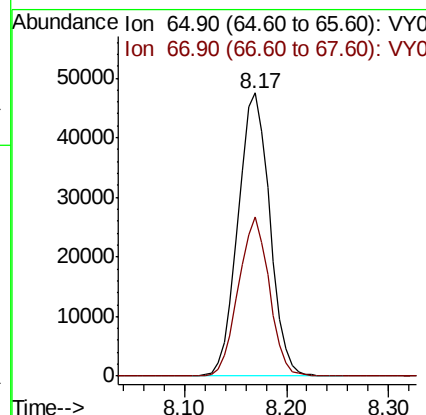
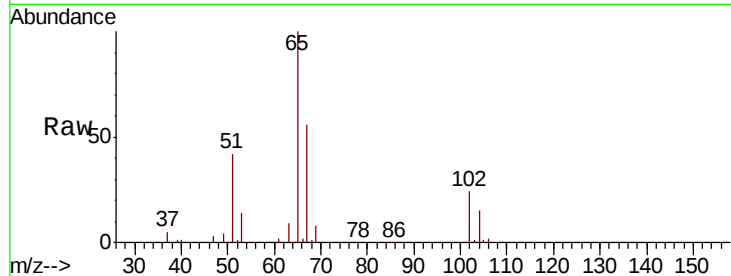




#33
 1,2-Dichloroethane-d4
 Concen: 56.602 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001737.D
 Acq: 21 Feb 2020 13:13

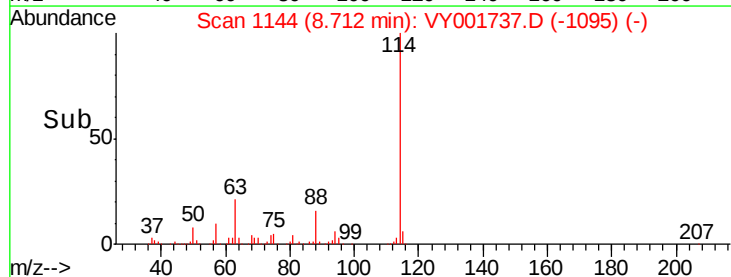
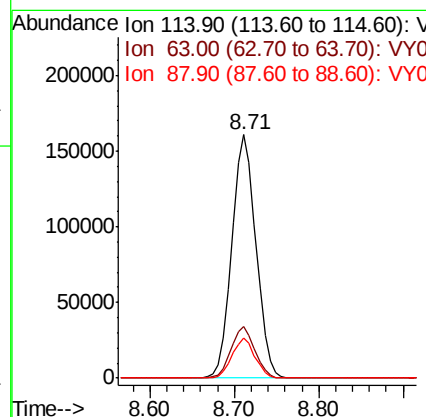
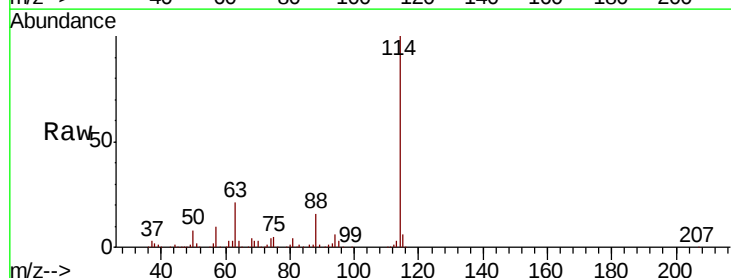
Instrument :
 MSVOA_Y
 ClientSampleId :

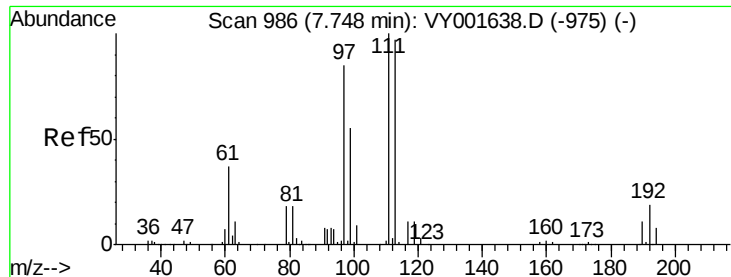
Tot Ion: 65 Resp: 102481
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001737.D
 Acq: 21 Feb 2020 13:13

Tgt Ion: 114 Resp: 311978
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 16.3 0.0 32.8

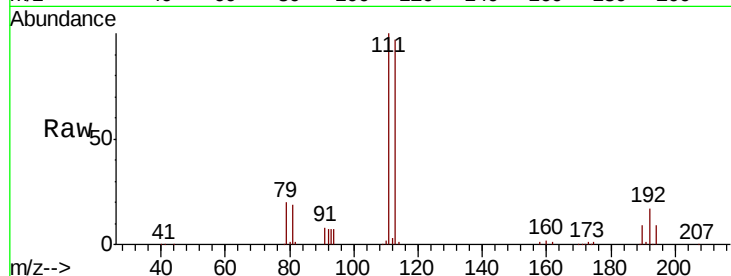




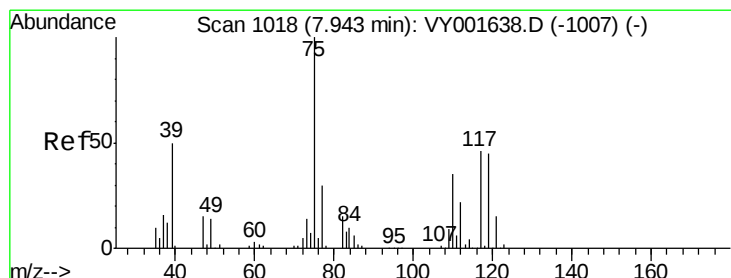
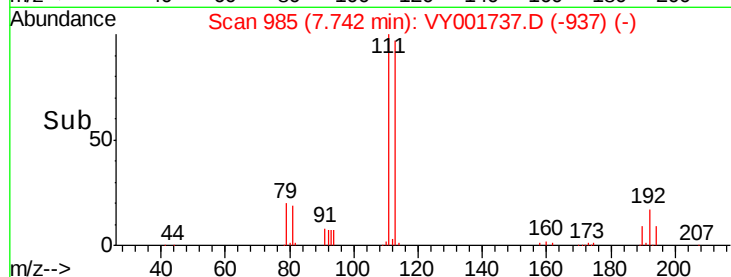
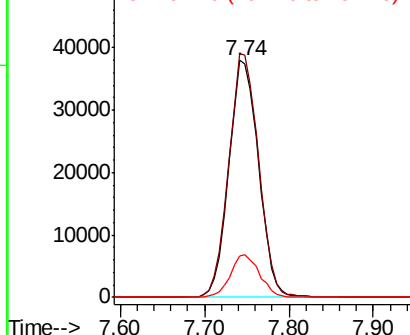
#35
 Dibromofluoromethane
 Concen: 50.764 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001737.D
 Acq: 21 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 90708
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 17.5 14.3 21.5

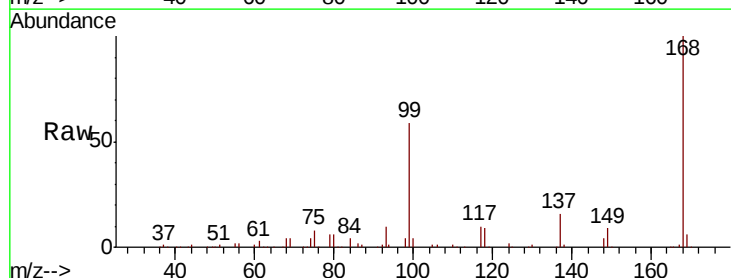


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

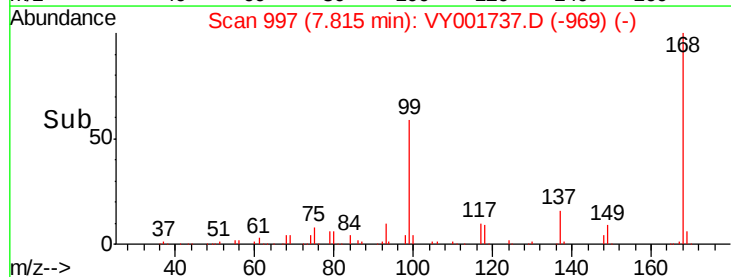
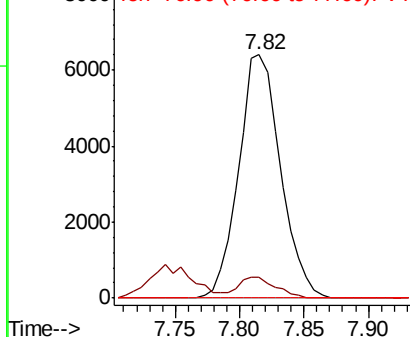


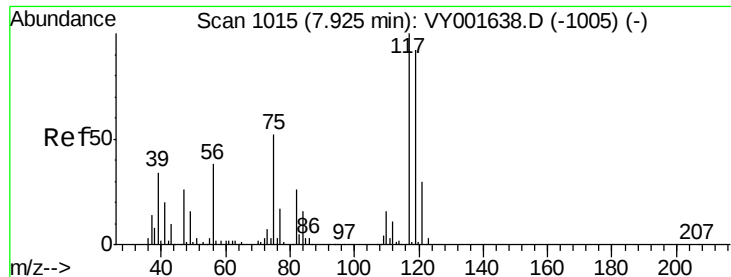
#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001737.D
 Acq: 21 Feb 2020 13:13

Tgt Ion: 75 Resp: 14371
 Ion Ratio Lower Upper
 75 100
 110 7.7 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

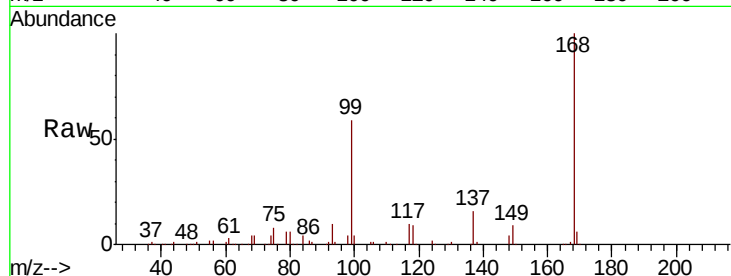




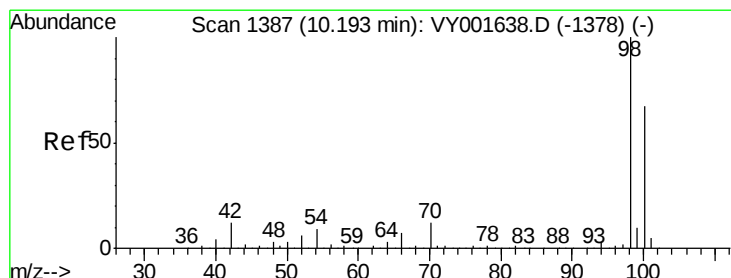
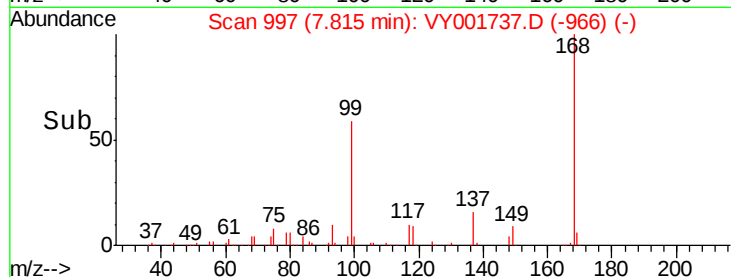
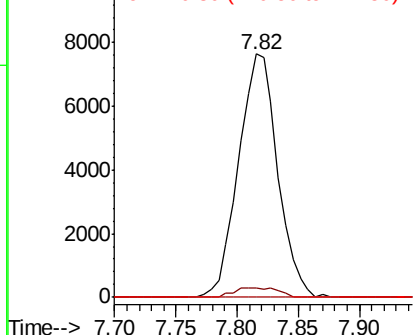
#38
Carbon Tetrachloride
Concen: 6.473 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001737.D
Acq: 21 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16943
Ion Ratio Lower Upper
117 100
119 4.0 74.8 112.2#
121 0.0 23.8 35.6#

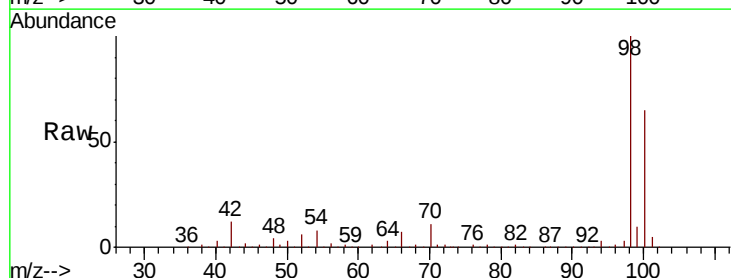


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

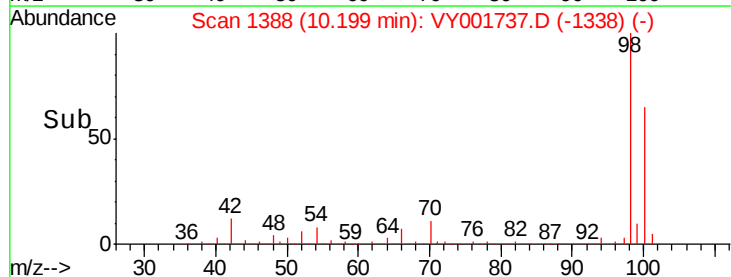
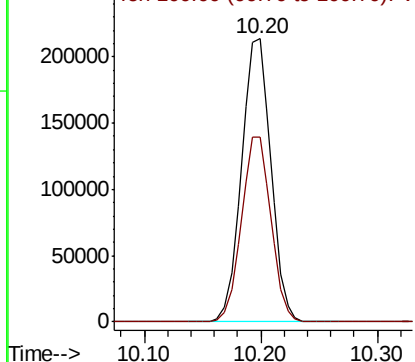


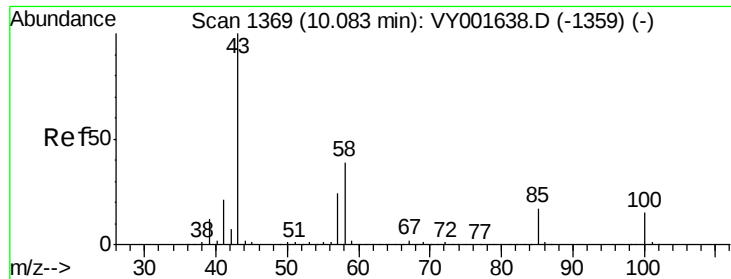
#50
Toluene-d8
Concen: 53.801 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001737.D
Acq: 21 Feb 2020 13:13

Tgt Ion: 98 Resp: 376632
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): VY





#51

4-Methyl-2-Pentanone

Concen: 1.062 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_Y

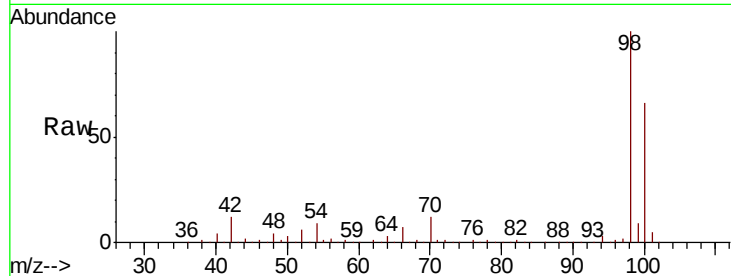
ClientSampled :

Tot Ion: 43 Resp: 1842

Ion Ratio Lower Upper

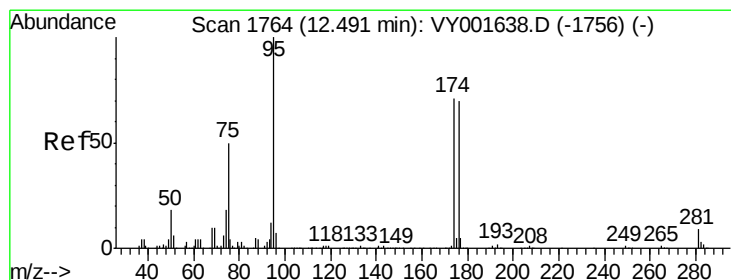
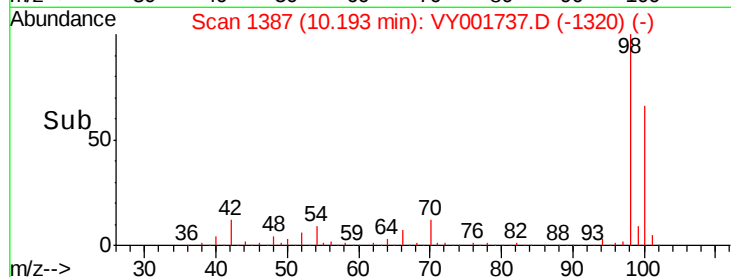
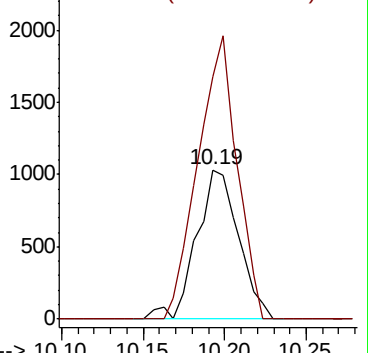
43 100

58 176.1 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) (-)



#62

4-Bromofluorobenzene

Concen: 45.973 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

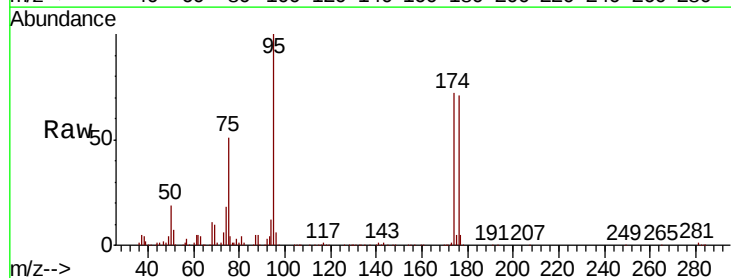
Tgt Ion: 95 Resp: 125027

Ion Ratio Lower Upper

95 100

174 72.9 0.0 138.4

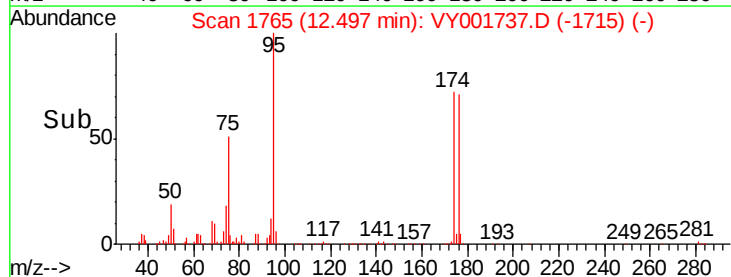
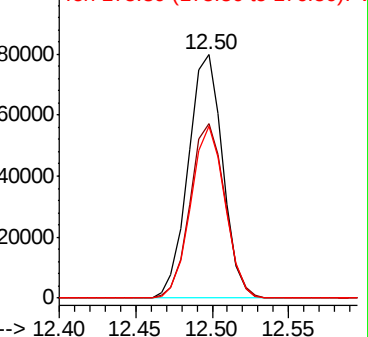
176 70.2 0.0 131.8

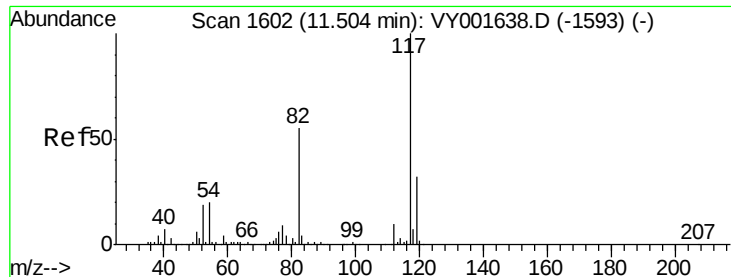


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

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

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

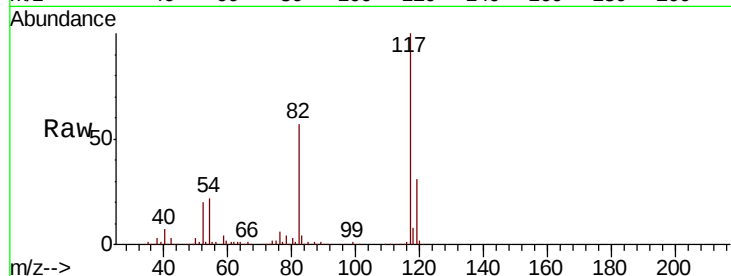




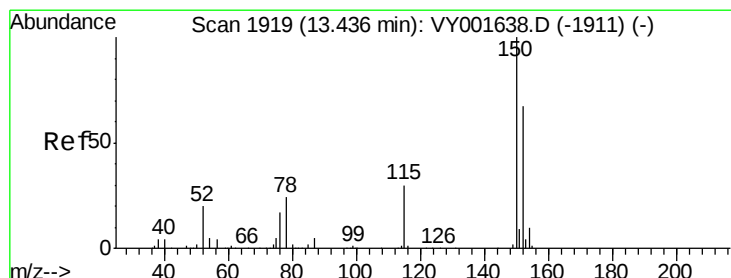
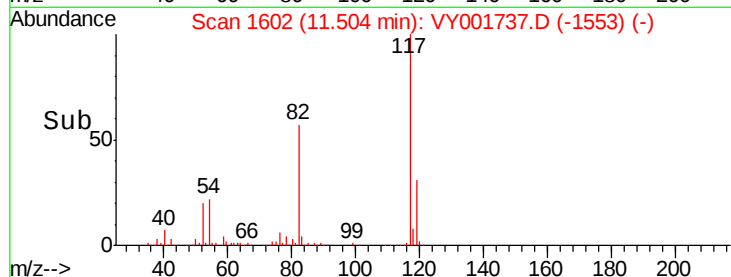
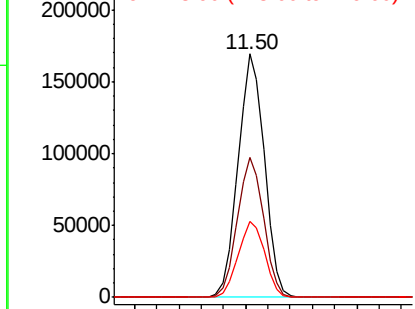
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001737.D
Acq: 21 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.5	68.3
119	31.4	25.8	38.6

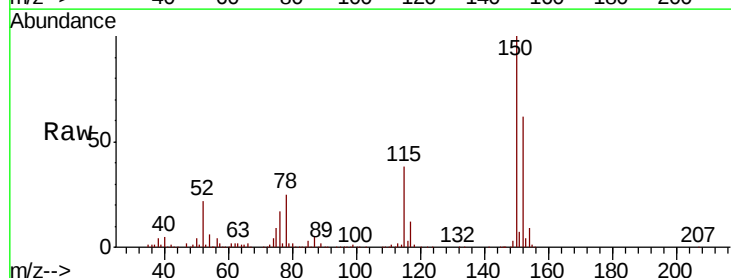


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

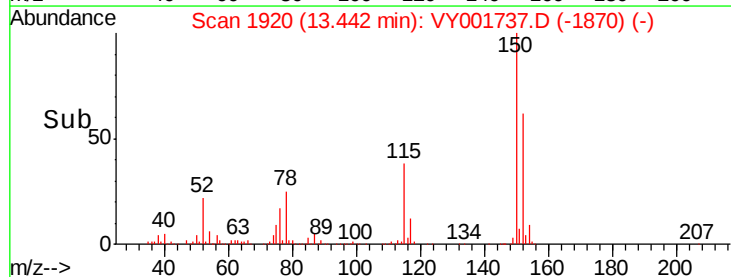
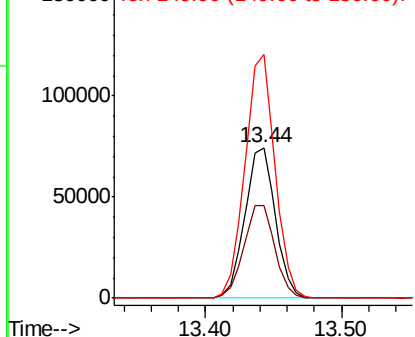


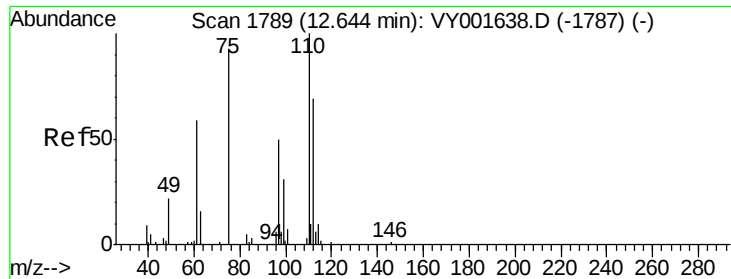
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001737.D
Acq: 21 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.4	94.2
150	159.4	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: 47.999 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_Y

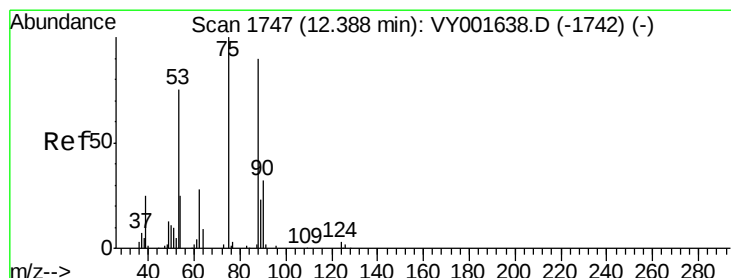
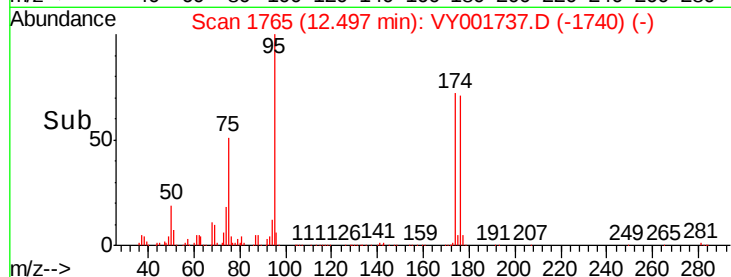
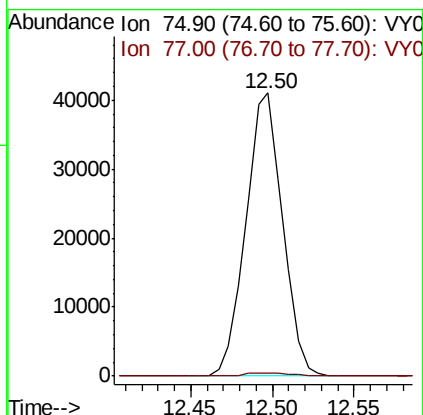
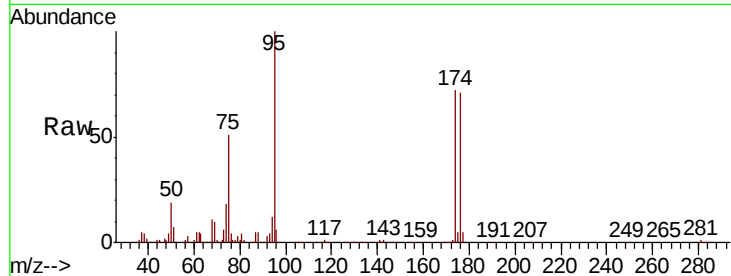
ClientSampleId :

Tot Ion: 75 Resp: 64157

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.062 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001737.D

Acq: 21 Feb 2020 13:13

Tgt Ion: 75 Resp: 64157

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

