

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001438.D
 Acq On : 30 Jan 2020 18:13
 Operator : SY/MD
 Sample : L1319-02RE
 Misc : 5.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 03:24:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	131803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	233422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	194120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	75439	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	69831	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	7.75	113	66860	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.20	98	269419	50.62	ug/l	0.01
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.49	95	83682	39.48	ug/l	0.00
Spiked Amount			Recovery	=	78.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	723	Below Cal	#	82
16) Acetone	3.99	43	1047	Below Cal	#	86
25) 2-Butanone	7.02	43	1528	2.448	ug/l #	49
31) Cyclohexane	7.82	56	2897	1.045	ug/l #	5
36) 1,1-Dichloropropene	7.82	75	10217	4.633	ug/l #	51
38) Carbon Tetrachloride	7.82	117	12293	6.255	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	42888	47.179	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	42888	89.282	ug/l #	14

(#) = 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. -0.00 min

Lab File: VY001438.D

Acq: 30 Jan 2020 18:13

Instrument :

MSVOA_Y

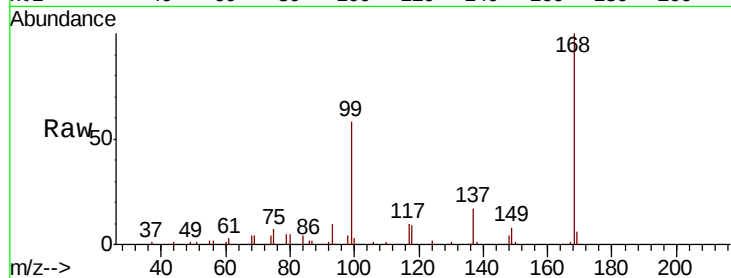
ClientSampled :

Tot Ion:168 Resp: 131803

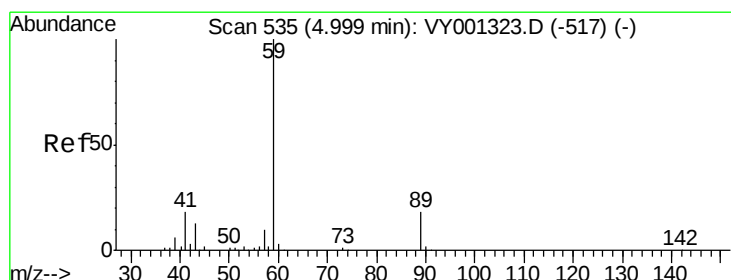
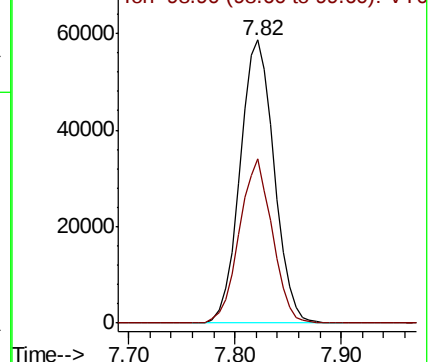
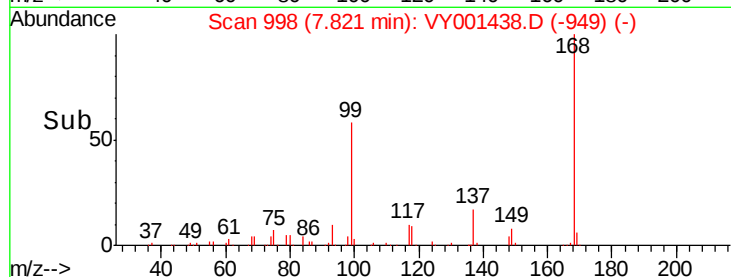
Ion Ratio Lower Upper

168 100

99 58.1 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001438.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. -0.01 min

Lab File: VY001438.D

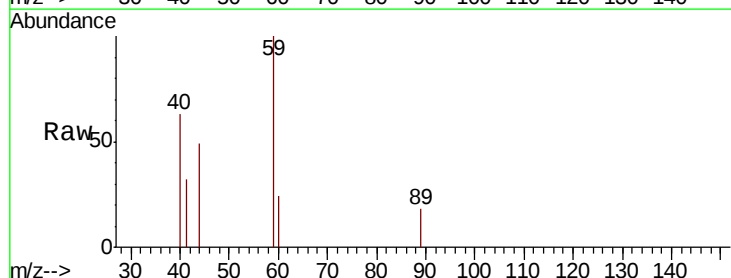
Acq: 30 Jan 2020 18:13

Tgt Ion: 59 Resp: 723

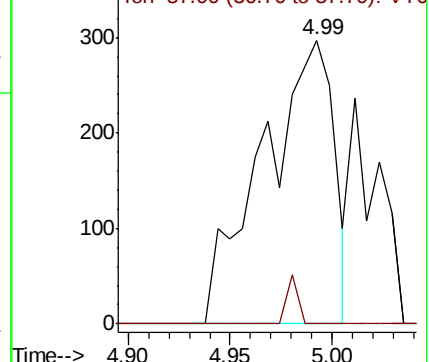
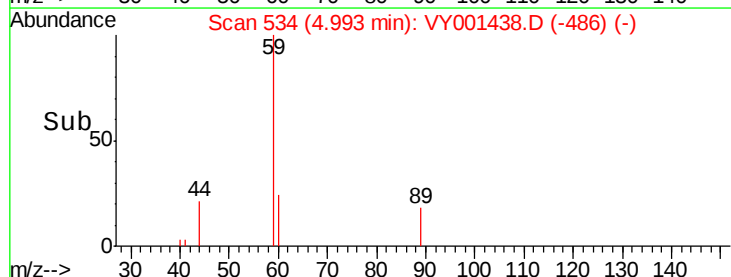
Ion Ratio Lower Upper

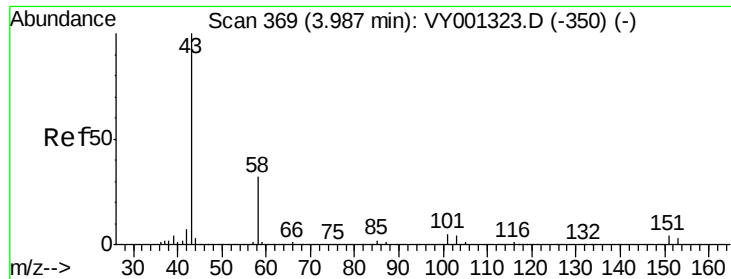
59 100

57 2.6 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001438.D (-486) (-)





#16

Acetone

Concen: Below Cal

RT: 3.99 min Scan# 369

Delta R.T. -0.00 min

Lab File: VY001438.D

Acq: 30 Jan 2020 18:13

Instrument :

MSVOA_Y

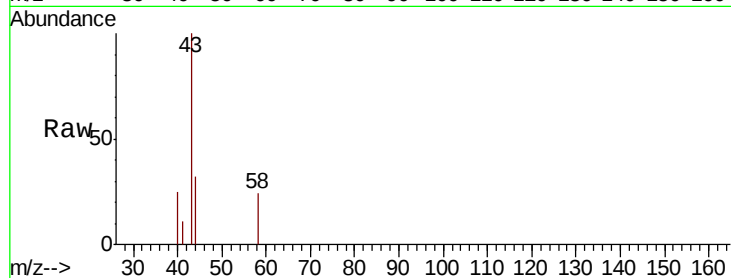
ClientSampled :

Tot Ion: 43 Resp: 1047

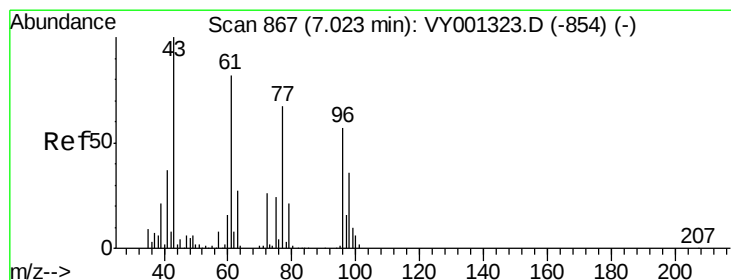
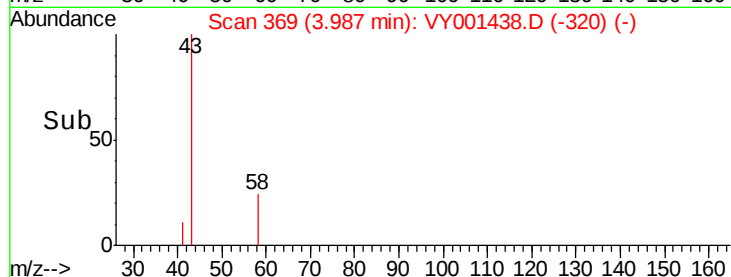
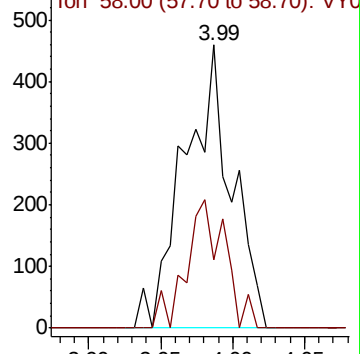
Ion Ratio Lower Upper

43 100

58 24.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0



#25

2-Butanone

Concen: 2.448 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001438.D

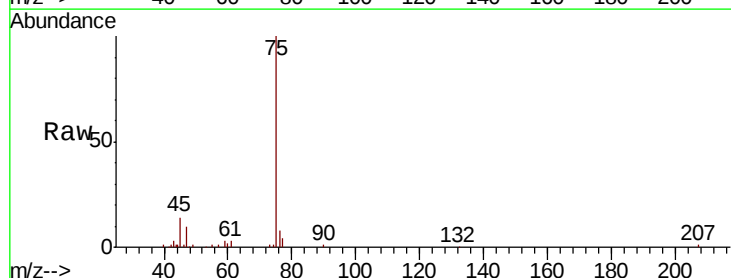
Acq: 30 Jan 2020 18:13

Tgt Ion: 43 Resp: 1528

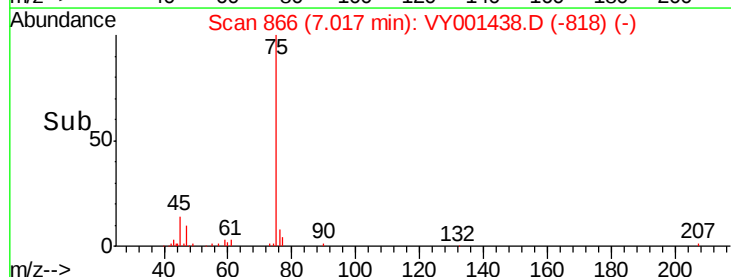
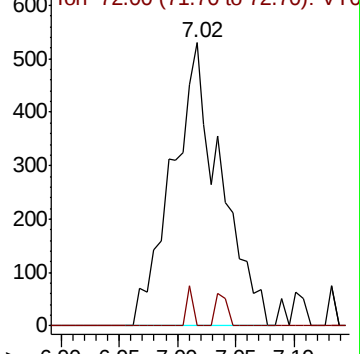
Ion Ratio Lower Upper

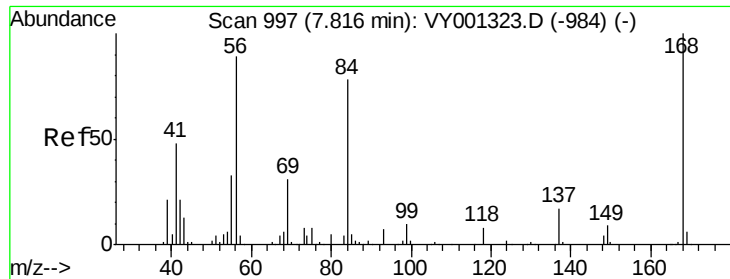
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

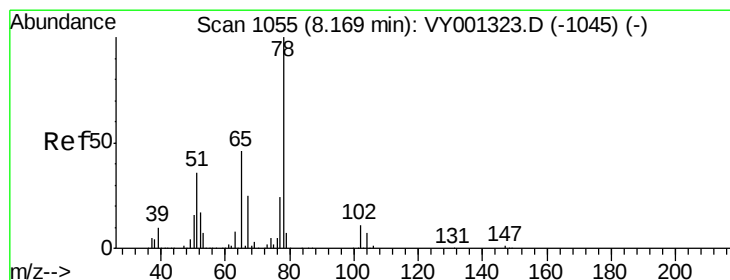
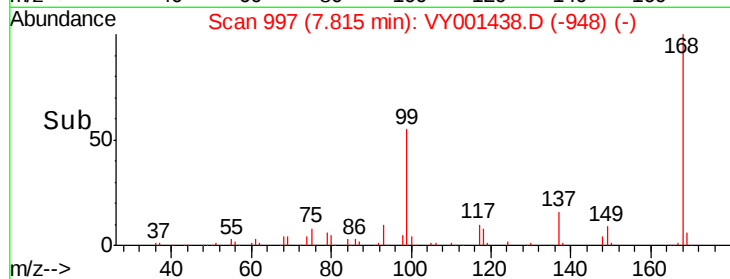
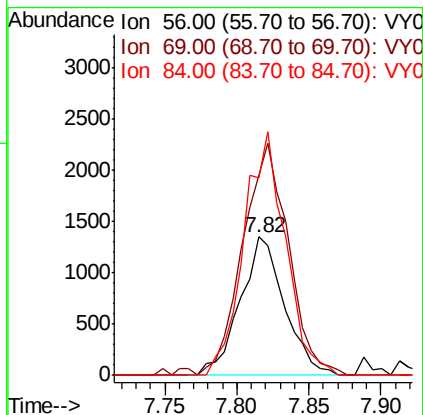
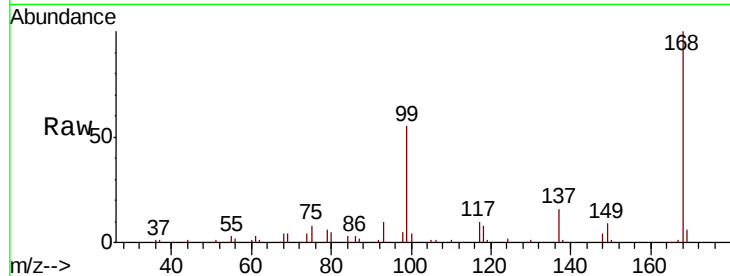




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY001438.D
Acq: 30 Jan 2020 18:13

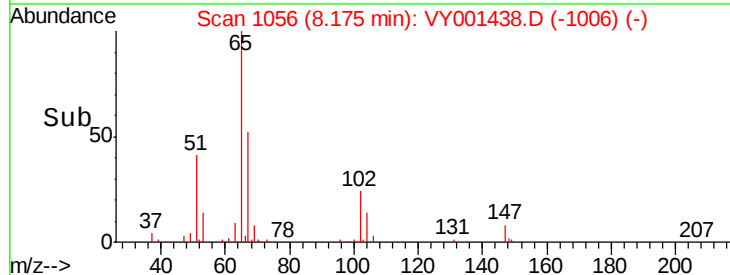
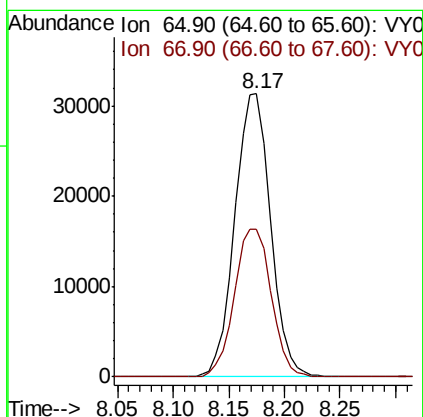
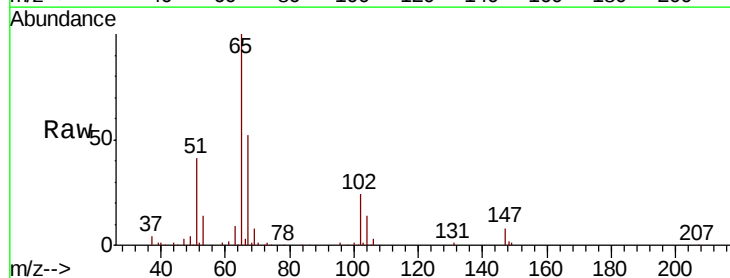
Instrument :
MSVOA_Y
ClientSampled :

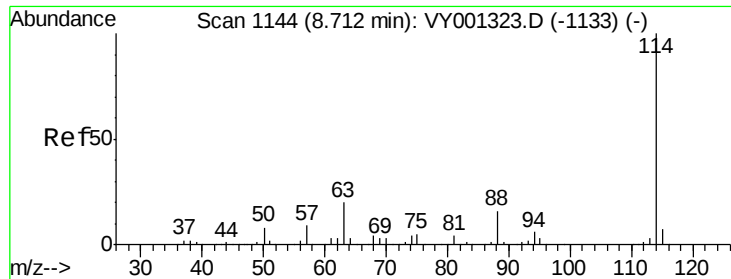
Tot Ion: 56 Resp: 2897
Ion Ratio Lower Upper
56 100
69 140.6 27.6 41.4#
84 143.0 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 48.690 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001438.D
Acq: 30 Jan 2020 18:13

Tgt Ion: 65 Resp: 69831
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.6

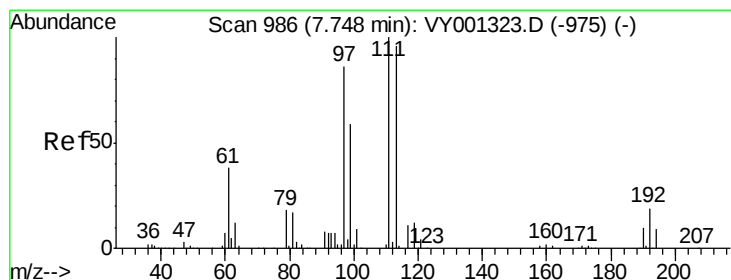
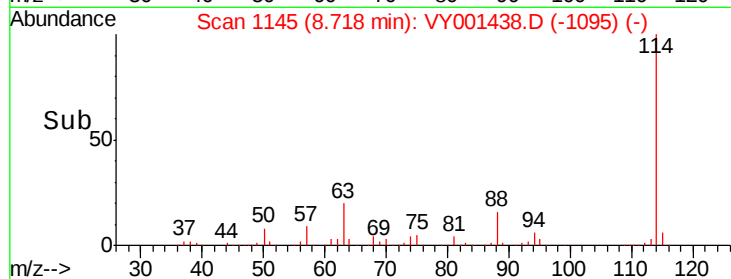
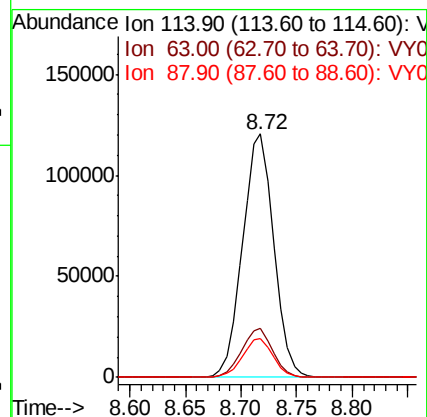
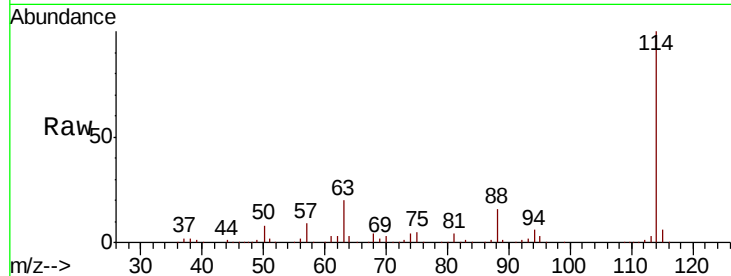




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001438.D
 Acq: 30 Jan 2020 18:13

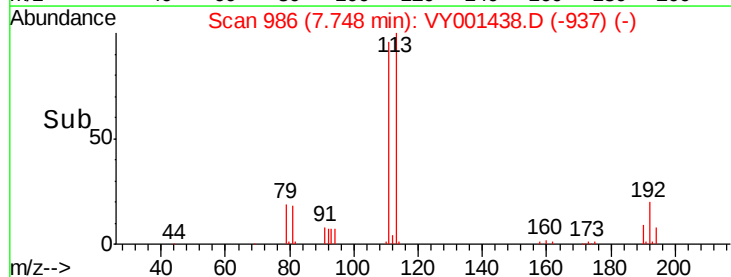
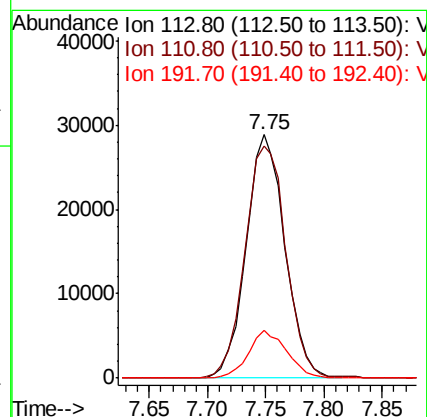
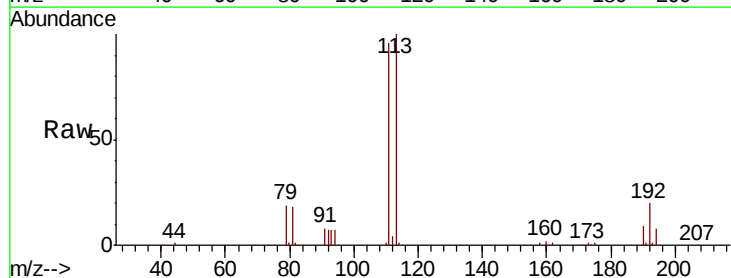
Instrument :
 MSVOA_Y
 ClientSampleId :

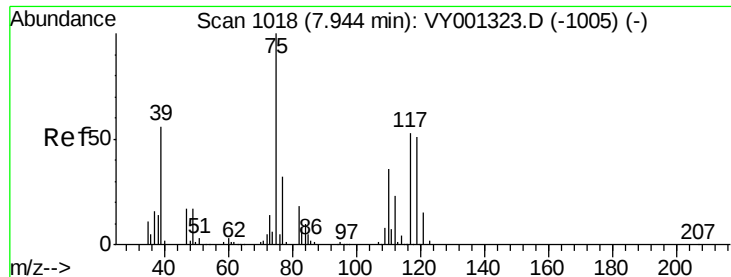
Tot Ion:114 Resp: 233422
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 15.8 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 48.803 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001438.D
 Acq: 30 Jan 2020 18:13

Tgt Ion:113 Resp: 66860
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.8 124.2
 192 19.3 15.5 23.3

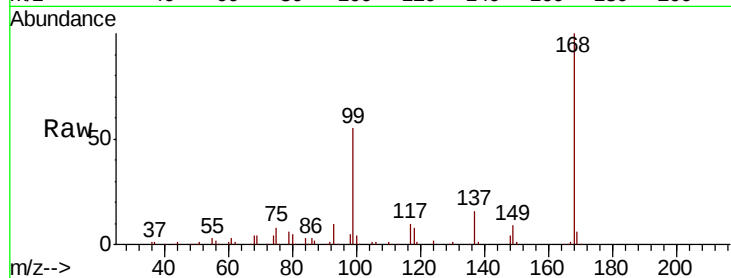




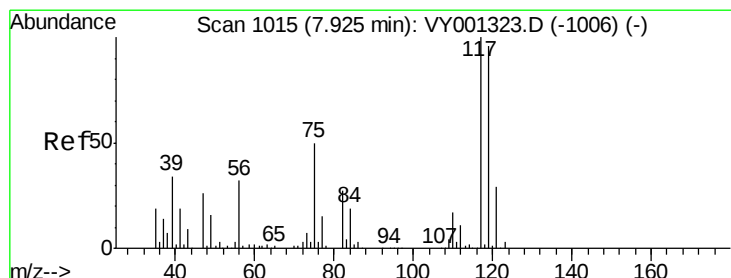
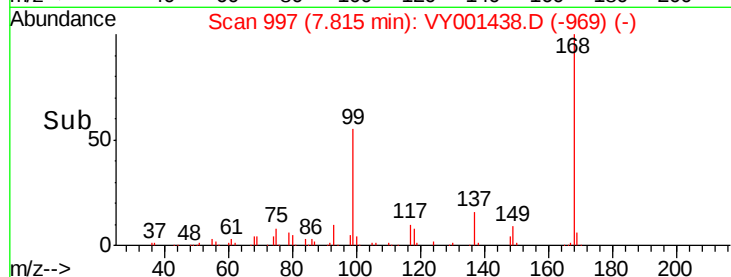
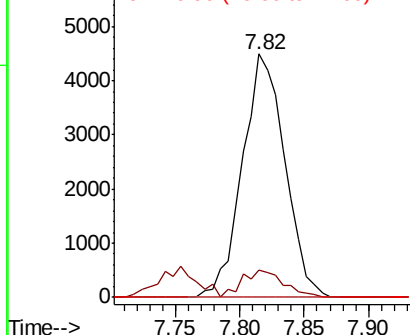
#36
 1,1-Dichloropropene
 Concen: 4.633 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001438.D
 Acq: 30 Jan 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.6	52.8#
77	0.0	24.7	37.1#

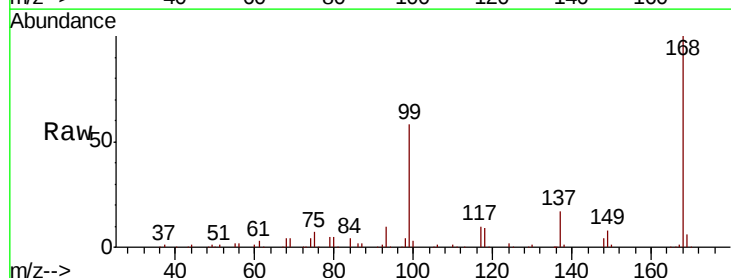


Abundance Ion 74.90 (74.60 to 75.60): VY001438.D (-969) (-)

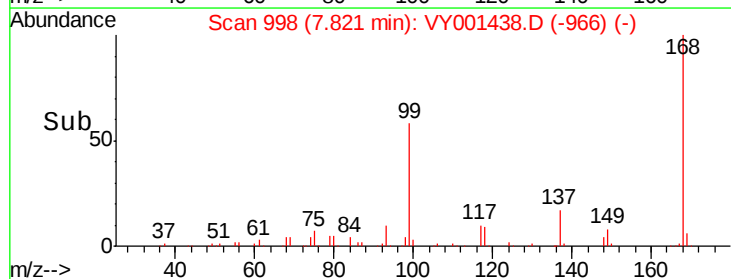
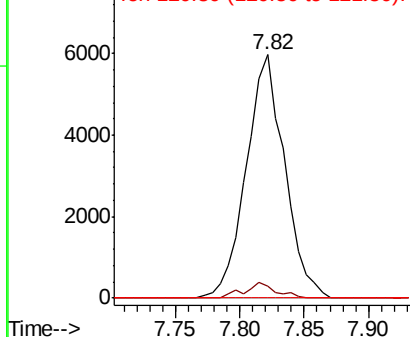


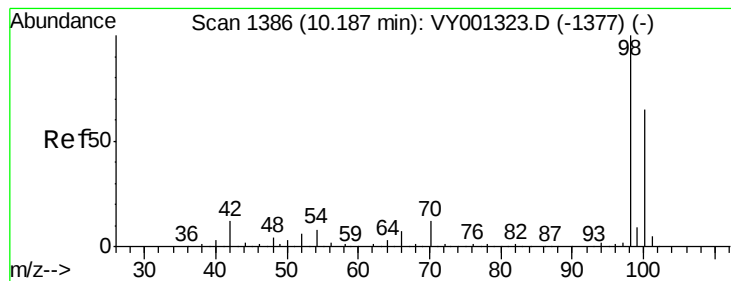
#38
 Carbon Tetrachloride
 Concen: 6.255 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001438.D
 Acq: 30 Jan 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.3	114.5#
121	0.0	23.5	35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001438.D (-966) (-)





#50

Toluene-d8

Concen: 50.617 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001438.D

Acq: 30 Jan 2020 18:13

Instrument :

MSVOA_Y

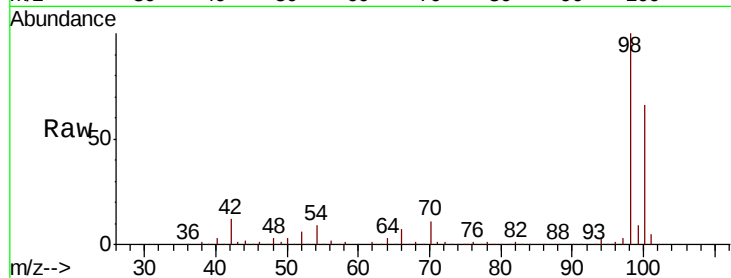
ClientSampleId :

Tot Ion: 98 Resp: 269419

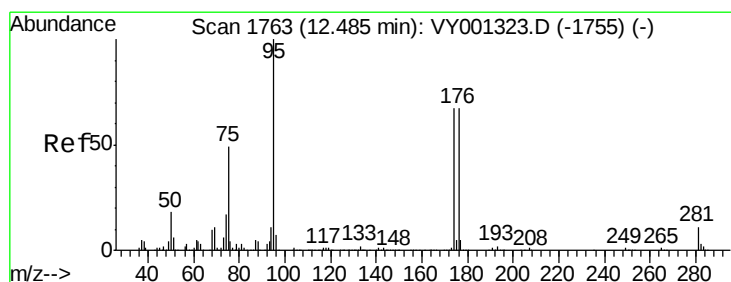
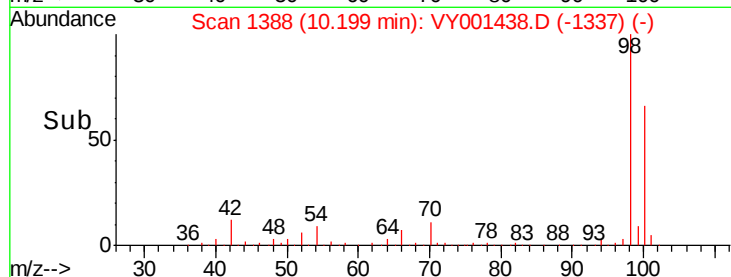
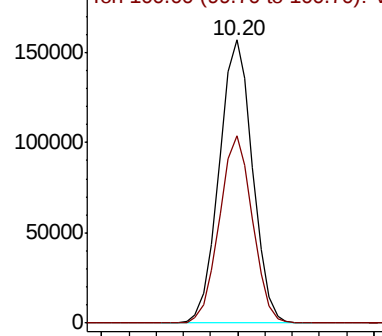
Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001438.D (-1377) (-)



#62

4-Bromofluorobenzene

Concen: 39.479 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001438.D

Acq: 30 Jan 2020 18:13

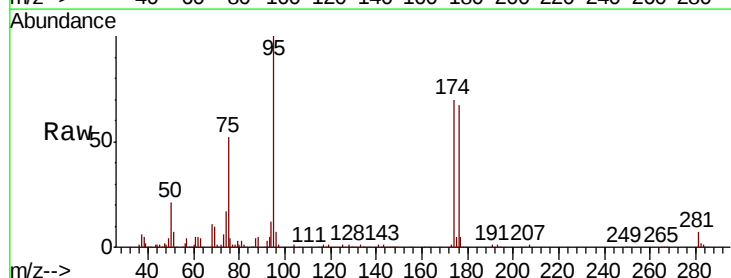
Tgt Ion: 95 Resp: 83682

Ion Ratio Lower Upper

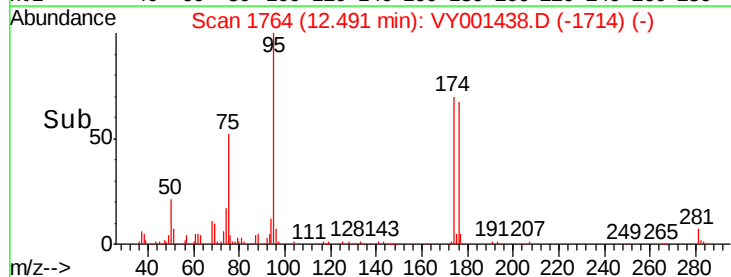
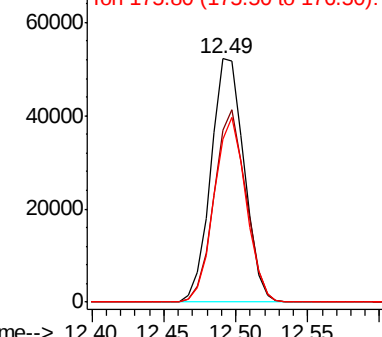
95 100

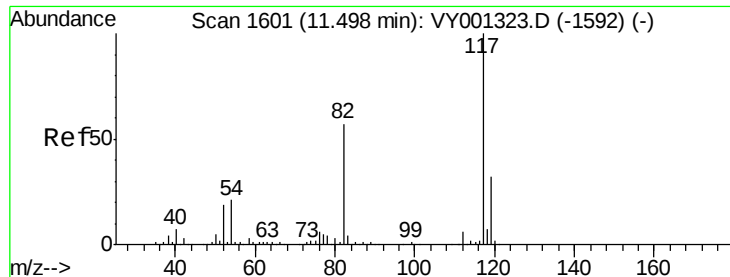
174 75.7 0.0 142.0

176 72.6 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001438.D (-1714) (-)

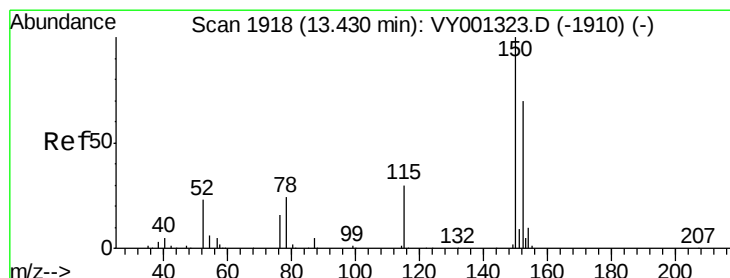
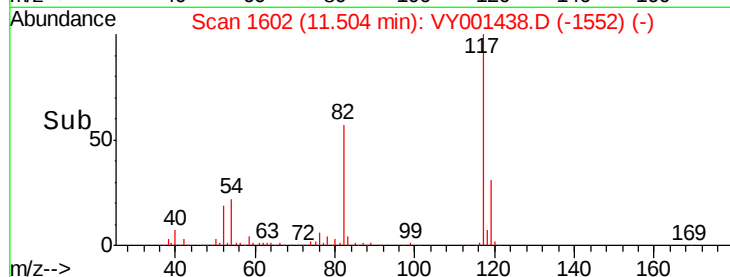
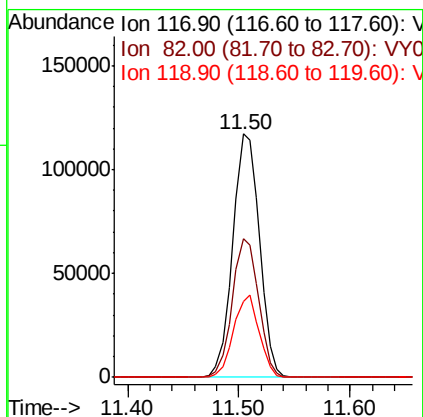
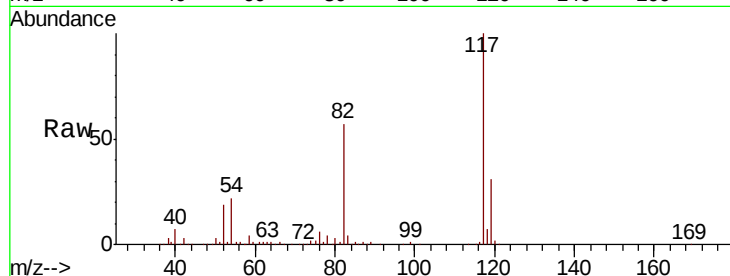




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001438.D
Acq: 30 Jan 2020 18:13

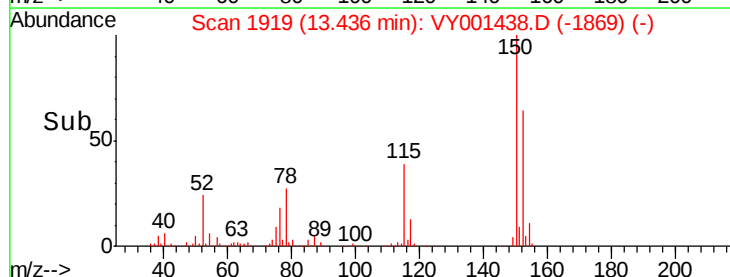
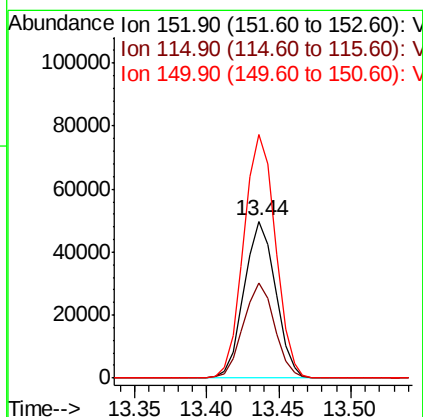
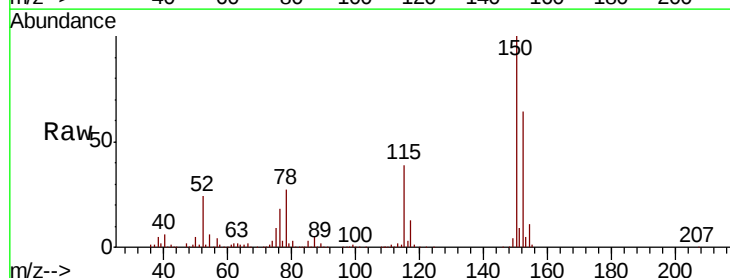
Instrument :
MSVOA_Y
ClientSampleId :

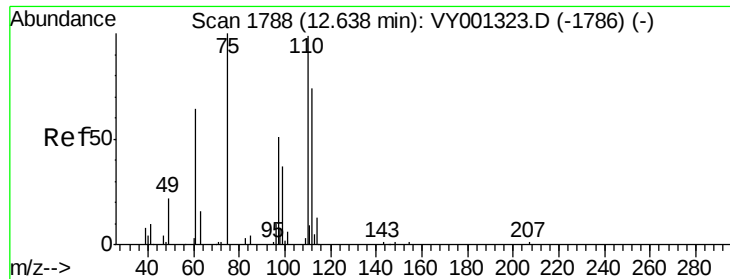
Tot Ion:117 Resp: 194120
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001438.D
Acq: 30 Jan 2020 18:13

Tgt Ion:152 Resp: 75439
Ion Ratio Lower Upper
152 100
115 60.1 30.9 92.8
150 156.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 47.179 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001438.D

Acq: 30 Jan 2020 18:13

Instrument :

MSVOA_Y

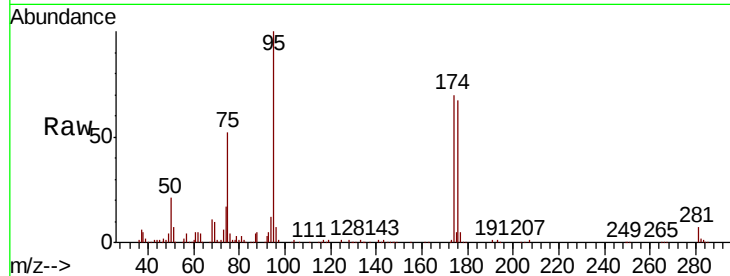
ClientSampled :

Tot Ion: 75 Resp: 42888

Ion Ratio Lower Upper

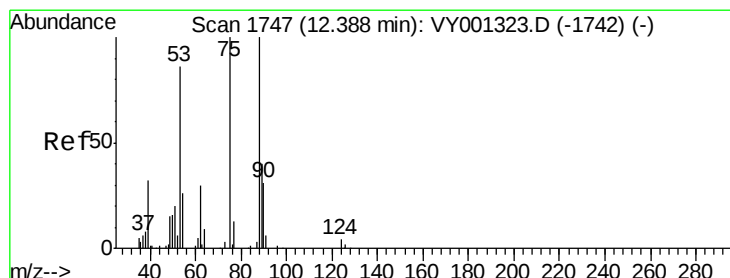
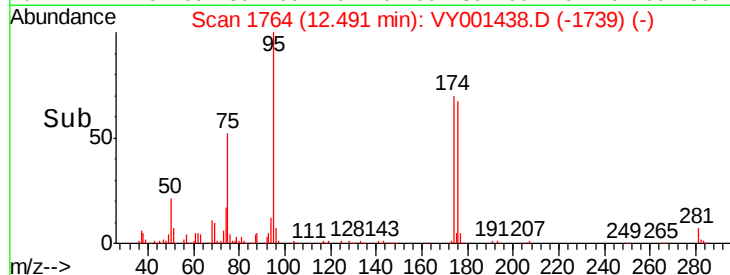
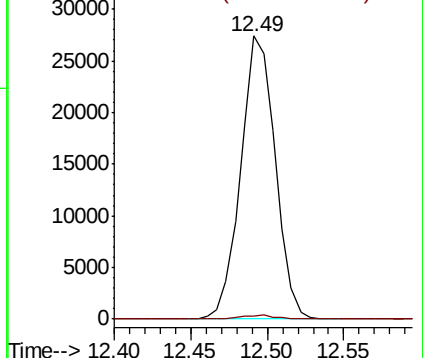
75 100

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: 89.282 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001438.D

Acq: 30 Jan 2020 18:13

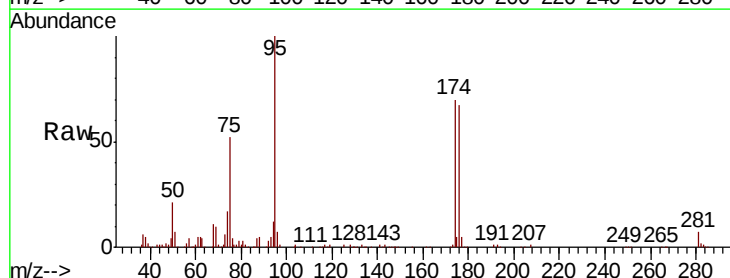
Tgt Ion: 75 Resp: 42888

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.0 36.6 54.8#



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

