

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001650.D
 Acq On : 17 Feb 2020 16:45
 Operator : SY/MD
 Sample : L1546-04
 Misc : 6.24G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:36:53 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	163595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	300460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117962	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	100517	57.12	ug/l	0.00
Spiked Amount			Recovery	=	114.24%	
35) Dibromofluoromethane	7.74	113	88503	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	10.19	98	360996	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.49	95	123825	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

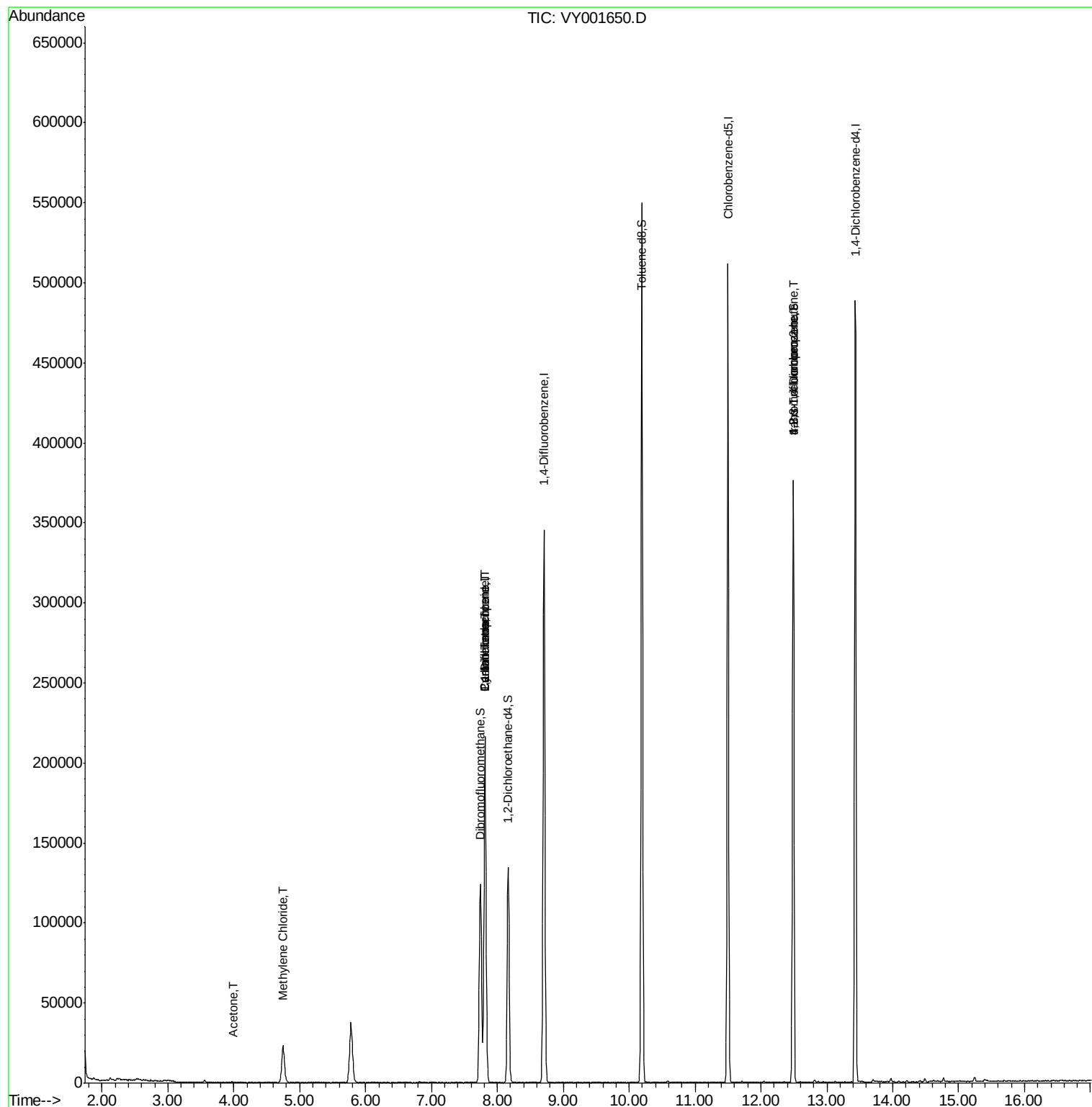
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	49	Below Cal	#	74
16) Acetone	3.99	43	893	1.467	ug/l #	82
20) Methylene Chloride	4.75	84	16581	7.667	ug/l	95
31) Cyclohexane	7.82	56	3815	1.032	ug/l #	43
36) 1,1-Dichloropropene	7.82	75	13141	4.579	ug/l #	51
38) Carbon Tetrachloride	7.82	117	16356	6.488	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	62389	46.105	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62389	87.470	ug/l #	17

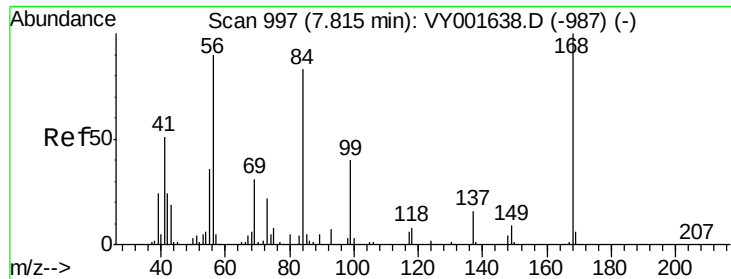
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

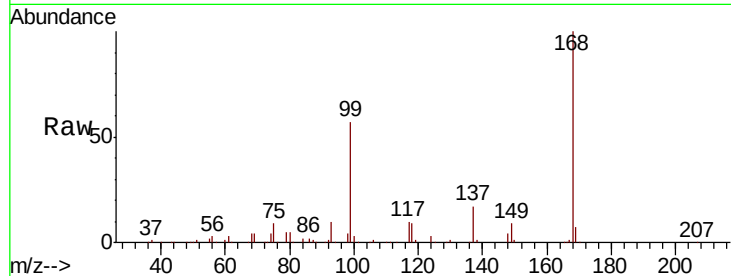
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 163595

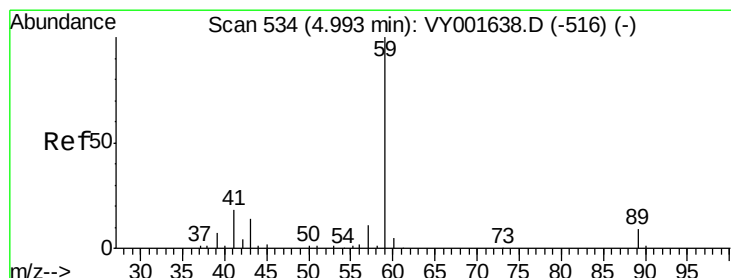
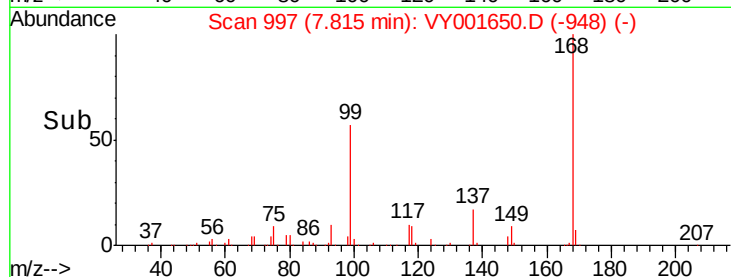
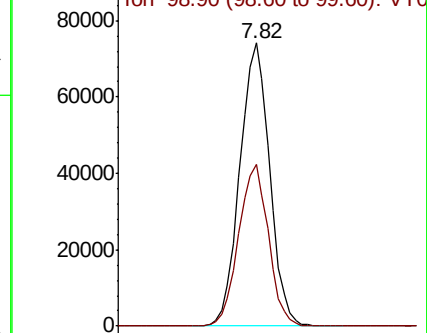
Ion Ratio Lower Upper

168 100

99 57.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001650.D

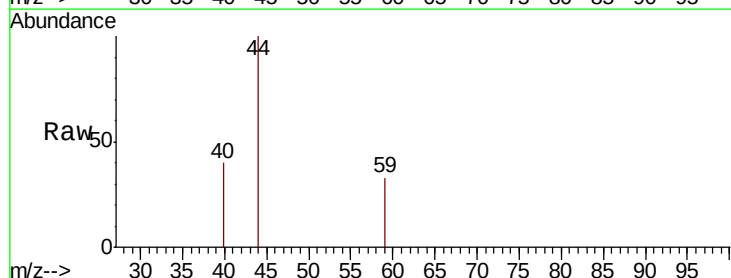
Acq: 17 Feb 2020 16:45

Tgt Ion: 59 Resp: 49

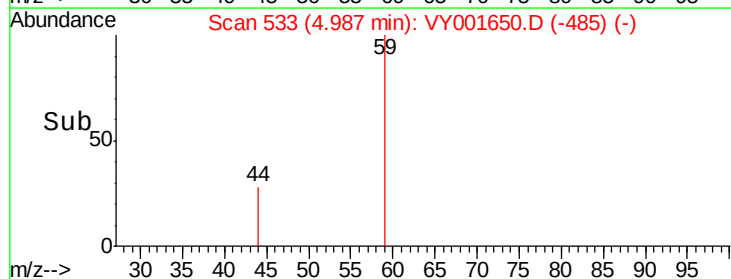
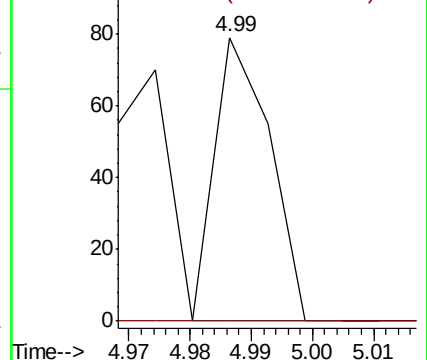
Ion Ratio Lower Upper

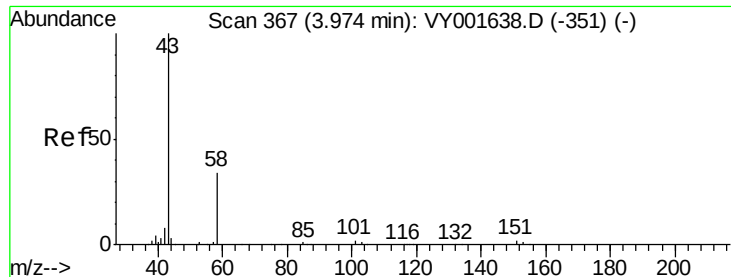
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)





#16

Acetone

Concen: 1.467 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

Instrument :

MSVOA_Y

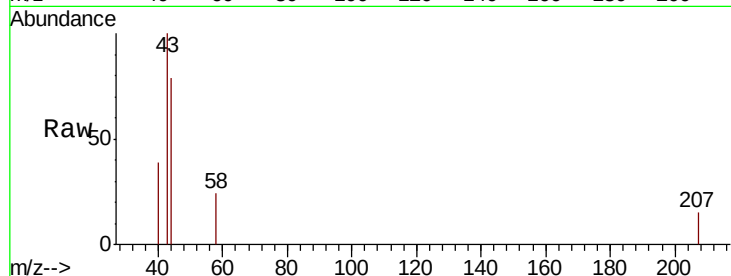
ClientSampleId :

Tot Ion: 43 Resp: 893

Ion Ratio Lower Upper

43 100

58 23.7 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

3.99

400

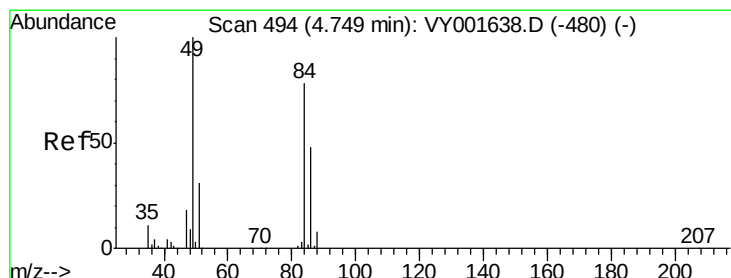
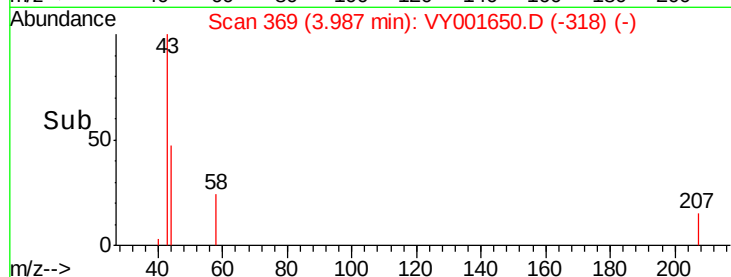
300

200

100

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 7.667 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

Tgt Ion: 84 Resp: 16581

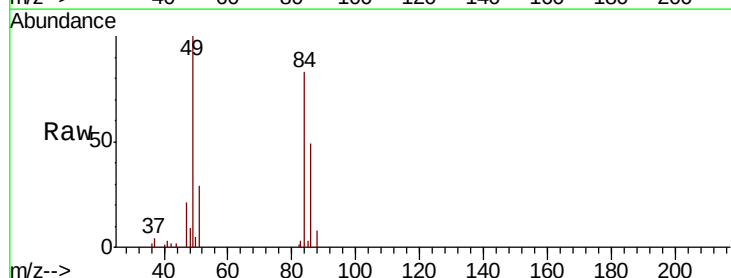
Ion Ratio Lower Upper

84 100

49 119.9 99.2 148.8

51 34.8 31.5 47.3

86 58.5 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)

10000

8000

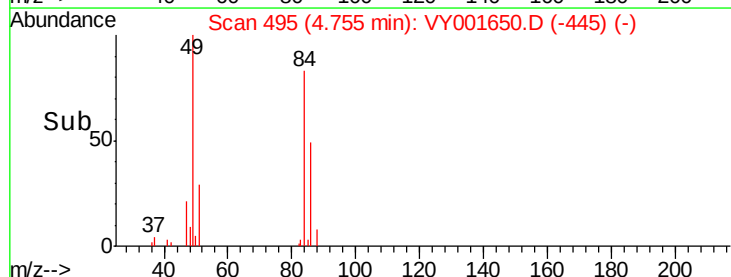
6000

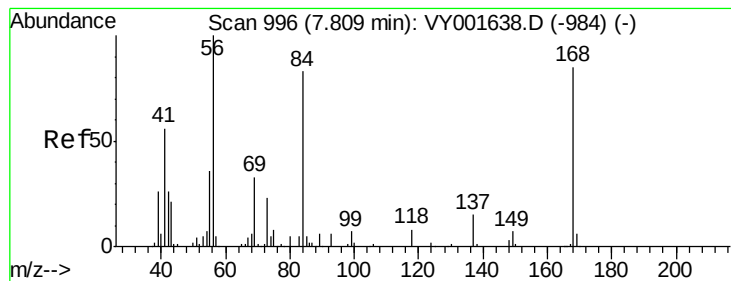
4000

2000

0

Time--> 4.60 4.70 4.80





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

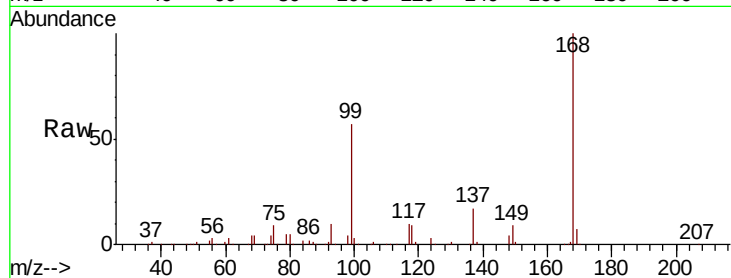
Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

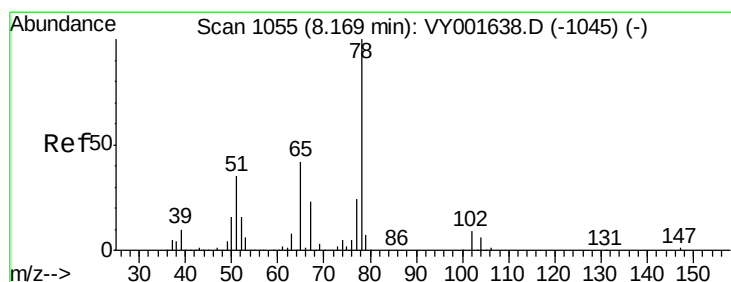
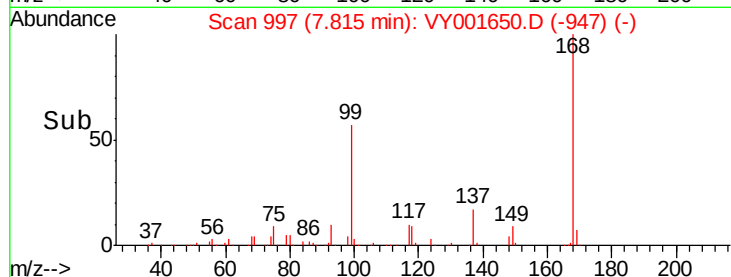
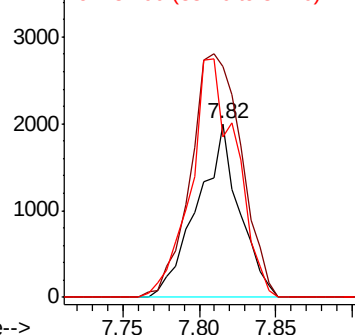
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3815

Ion	Ratio	Lower	Upper
56	100		
69	133.1	25.1	37.7#
84	92.6	66.9	100.3



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: 57.122 ug/l

RT: 8.16 min Scan# 1054

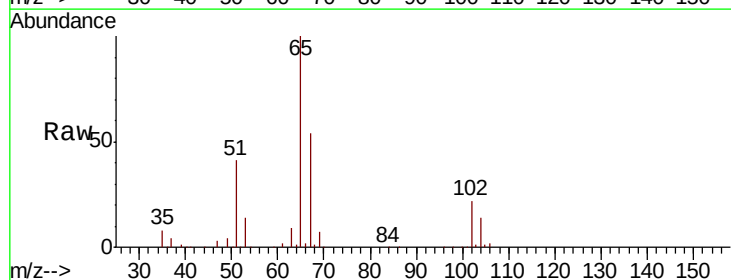
Delta R.T. -0.01 min

Lab File: VY001650.D

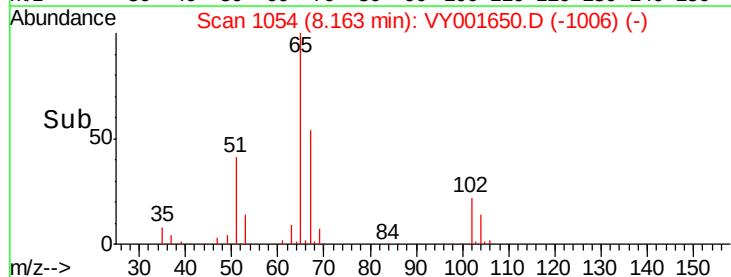
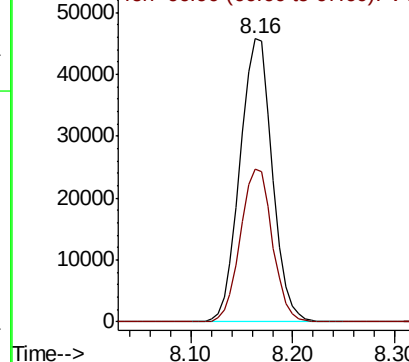
Acq: 17 Feb 2020 16:45

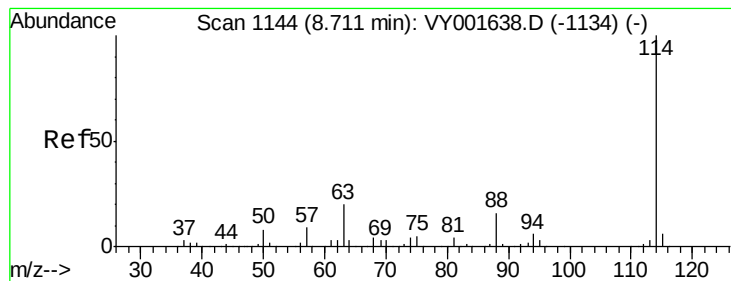
Tgt Ion: 65 Resp: 100517

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

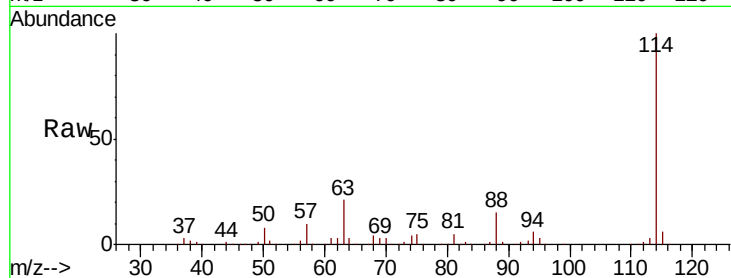
Tot Ion:114 Resp: 300460

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

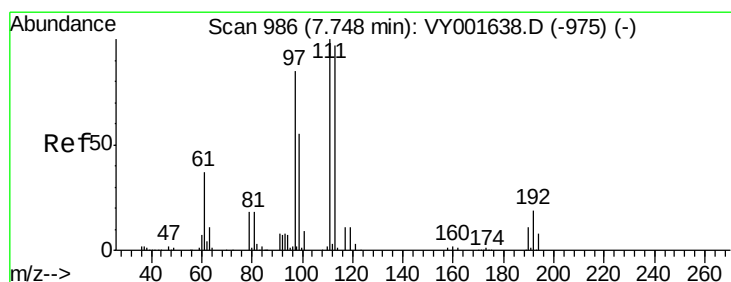
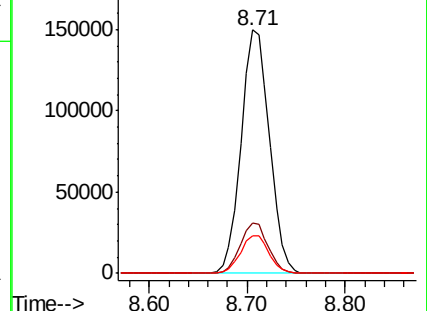
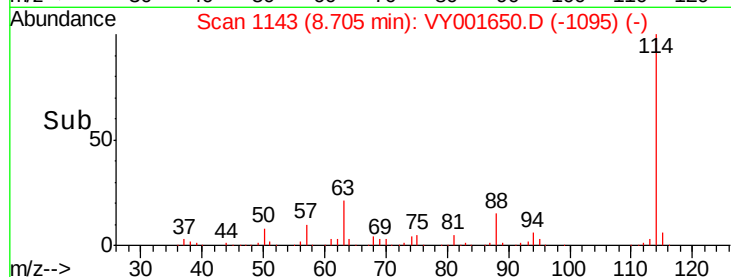
88 15.3 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 51.428 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

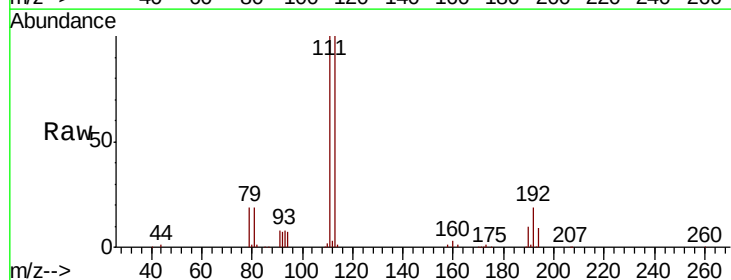
Tgt Ion:113 Resp: 88503

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

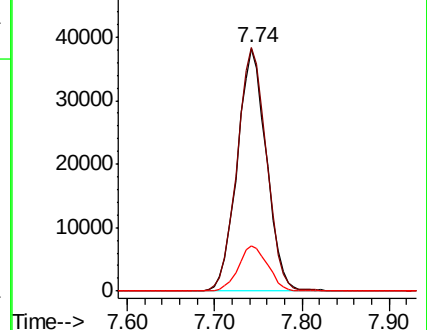
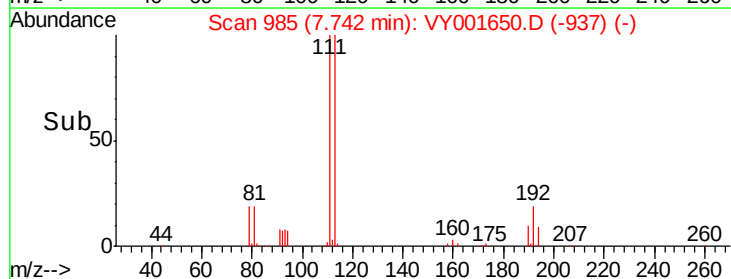
192 18.8 14.3 21.5

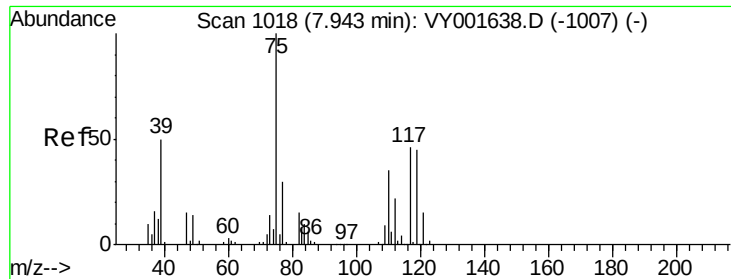


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

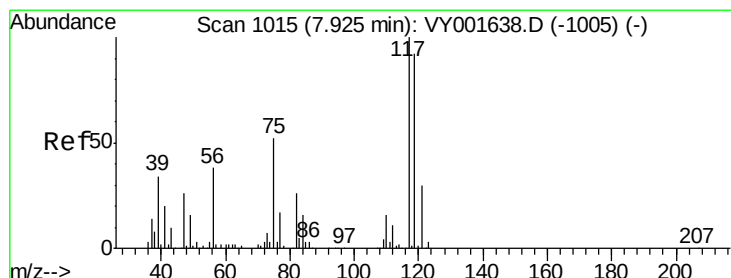
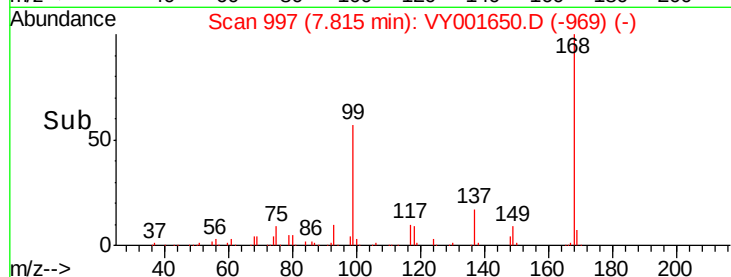
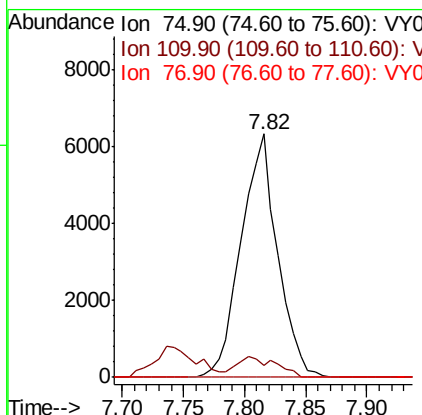
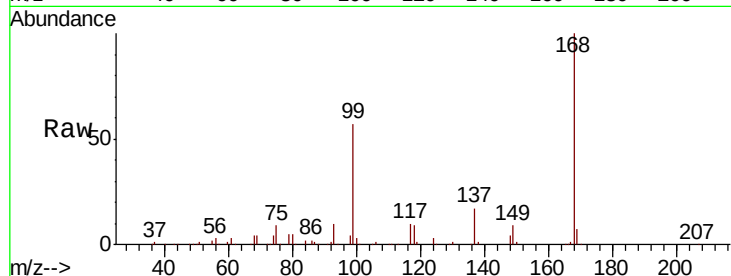




#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001650.D
 Acq: 17 Feb 2020 16:45

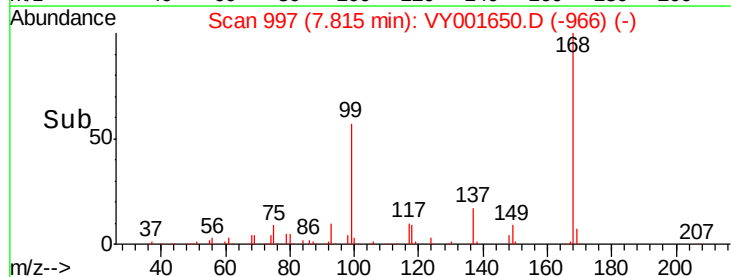
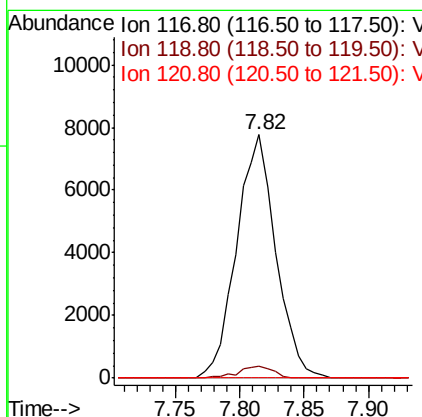
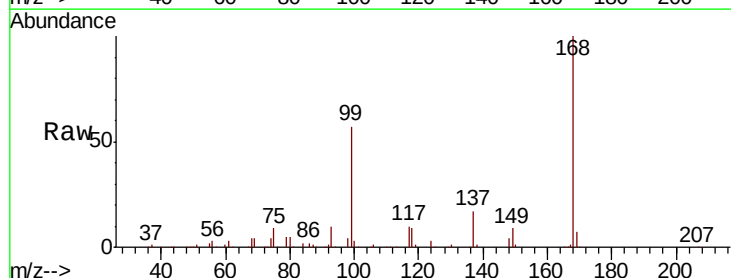
Instrument :
 MSVOA_Y
 ClientSampleId :

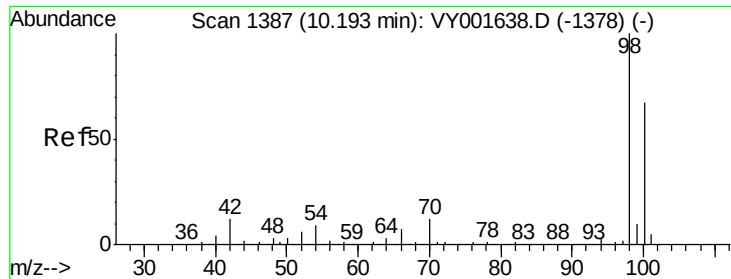
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.488 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001650.D
 Acq: 17 Feb 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.545 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

Instrument :

MSVOA_Y

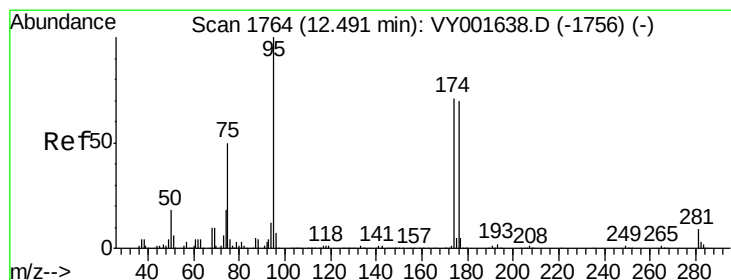
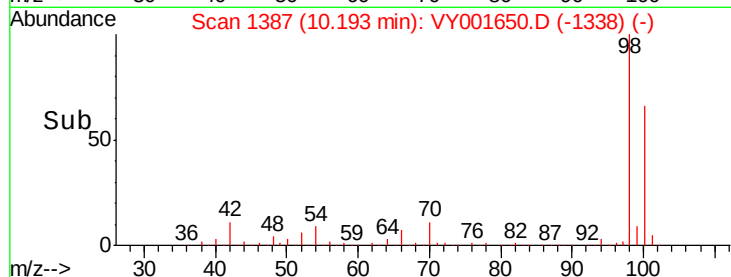
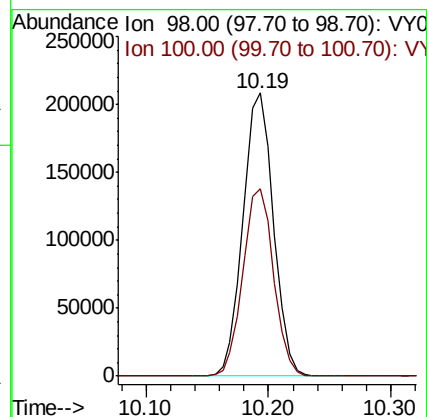
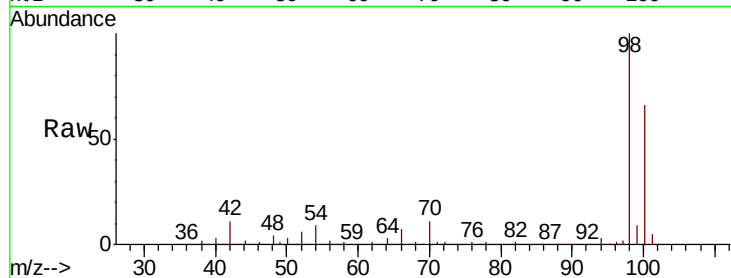
ClientSampleId :

Tot Ion: 98 Resp: 360996

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 47.276 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

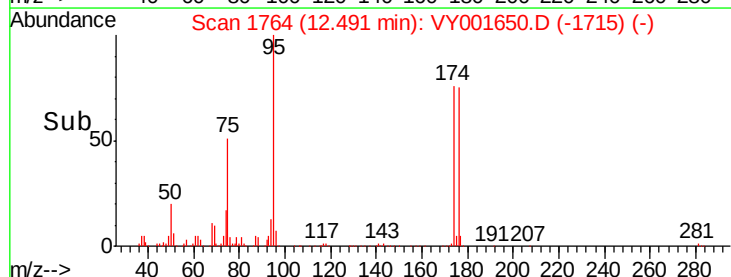
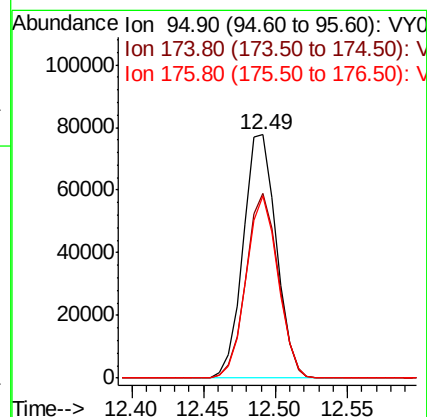
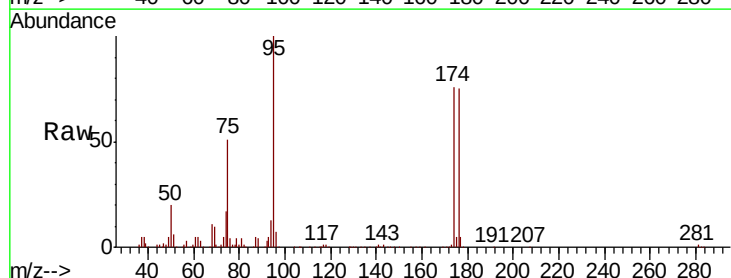
Tgt Ion: 95 Resp: 123825

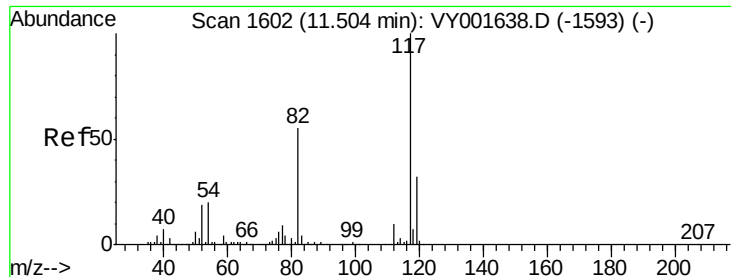
Ion Ratio Lower Upper

95 100

174 73.9 0.0 138.4

176 71.9 0.0 131.8

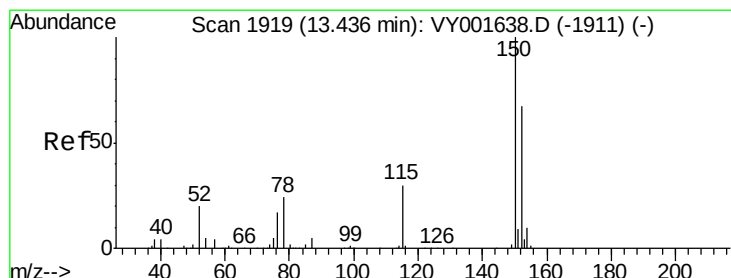
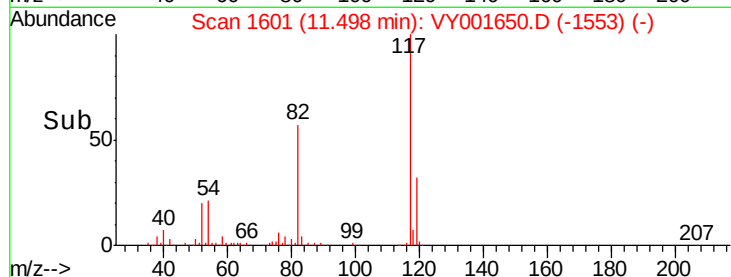
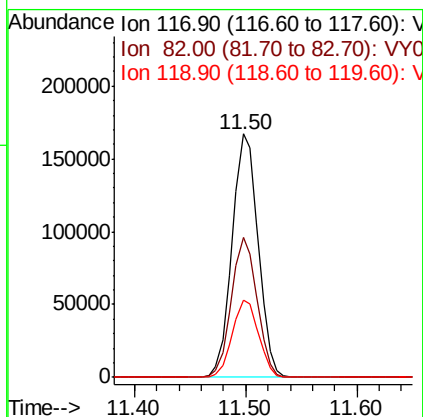
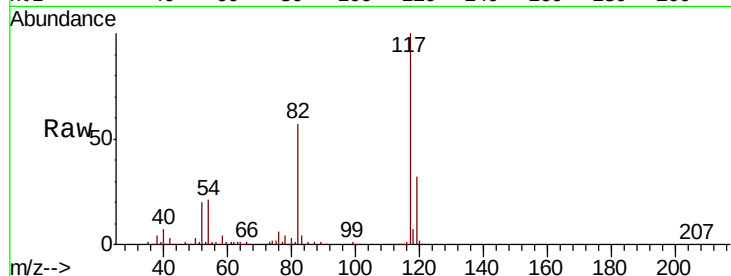




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001650.D
Acq: 17 Feb 2020 16:45

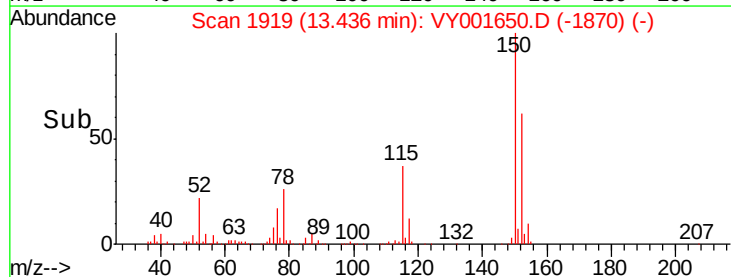
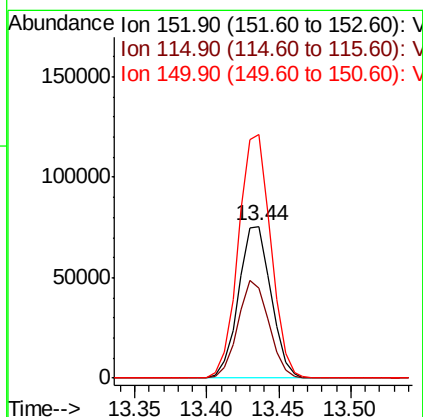
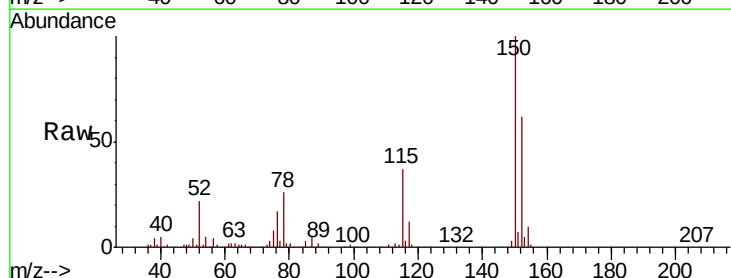
Instrument :
MSVOA_Y
ClientSampleId :

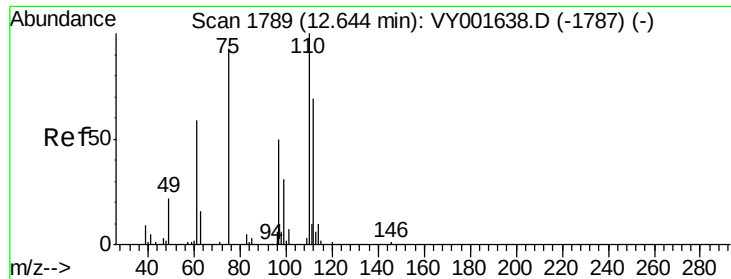
Tot Ion:117 Resp: 270356
Ion Ratio Lower Upper
117 100
82 57.4 45.5 68.3
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001650.D
Acq: 17 Feb 2020 16:45

Tgt Ion:152 Resp: 117962
Ion Ratio Lower Upper
152 100
115 61.8 31.4 94.2
150 160.3 0.0 407.2





#76

1,2,3-Trichloropropane

Concen: 46.105 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

Instrument :

MSVOA_Y

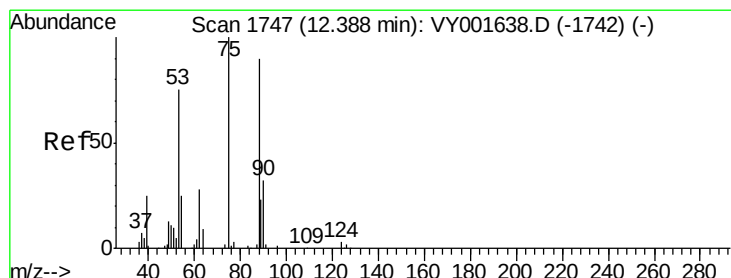
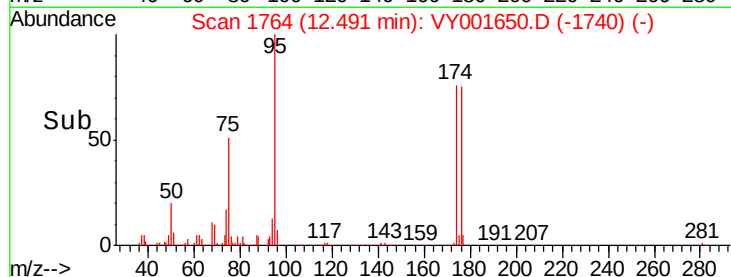
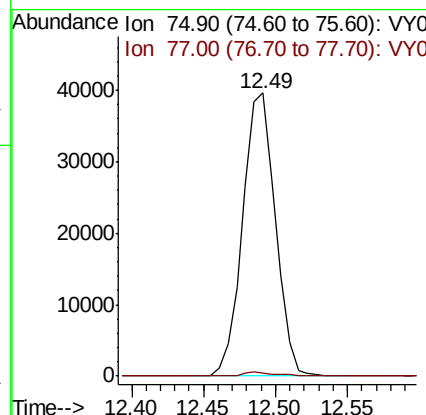
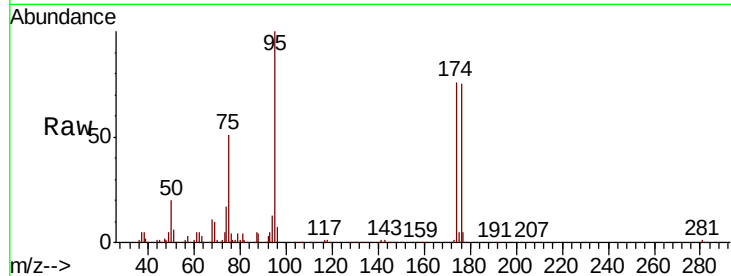
ClientSampleId :

Tot Ion: 75 Resp: 62389

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.470 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001650.D

Acq: 17 Feb 2020 16:45

Tgt Ion: 75 Resp: 62389

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

