

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001697.D
 Acq On : 19 Feb 2020 13:31
 Operator : SY/MD
 Sample : L1362-01RE
 Misc : 7.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 20 05:39:17 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	146019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	272189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	244467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	105478	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	87245	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
35) Dibromofluoromethane	7.74	113	78509	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.19	98	328104	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.49	95	108835	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

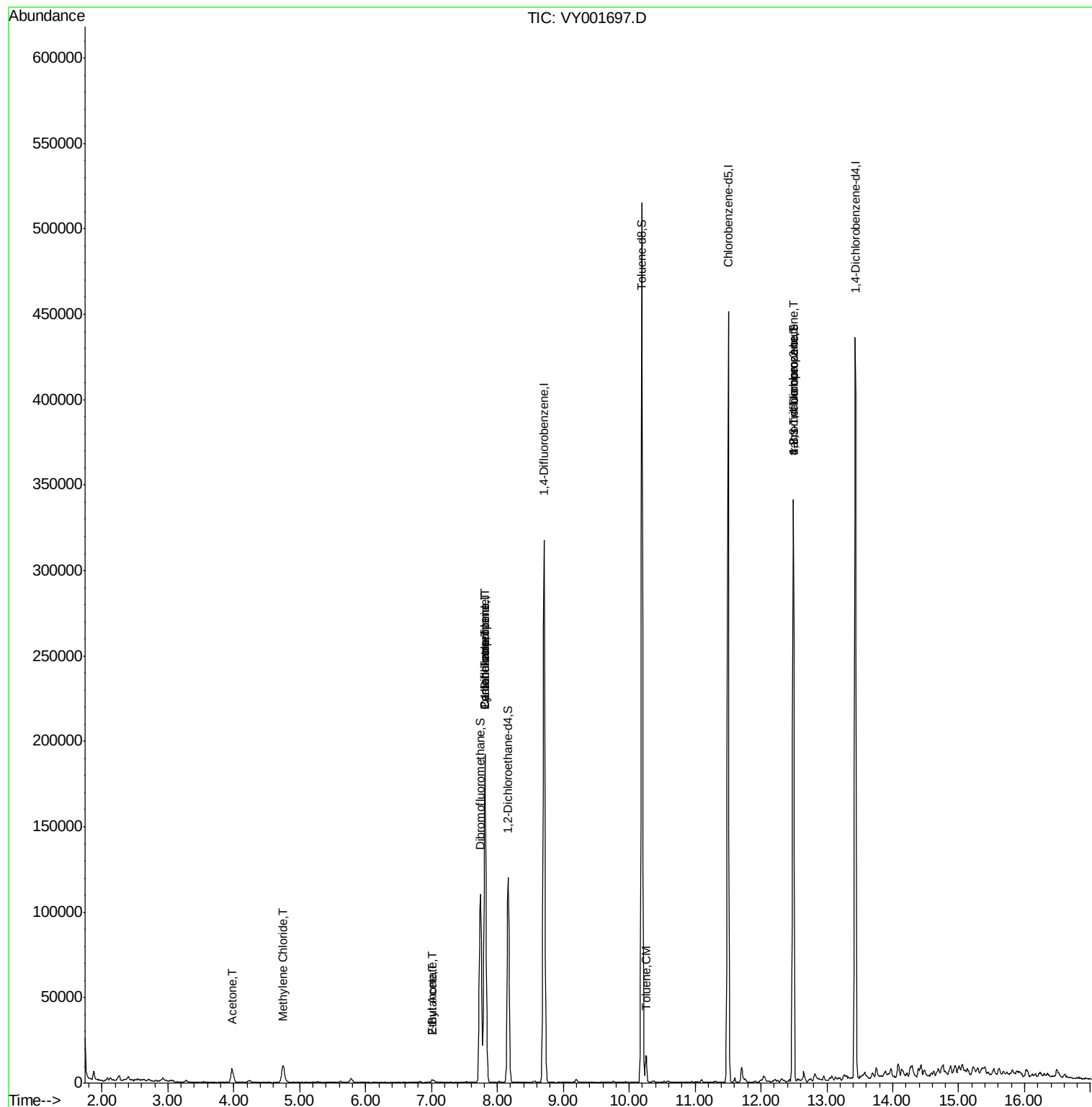
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.02	59	20	Below Cal	#	74
16) Acetone	3.97	43	14254	26.228	ug/l #	85
20) Methylene Chloride	4.75	84	7273	3.768	ug/l	94
25) 2-Butanone	7.02	43	2627	3.558	ug/l	95
31) Cyclohexane	7.82	56	3486	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12044	4.632	ug/l #	50
37) Ethyl Acetate	7.02	43	2627	1.693	ug/l #	68
38) Carbon Tetrachloride	7.82	117	14508	6.353	ug/l #	19
52) Toluene	10.25	92	6283	1.317	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	56854	46.988	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56854	89.144	ug/l #	17

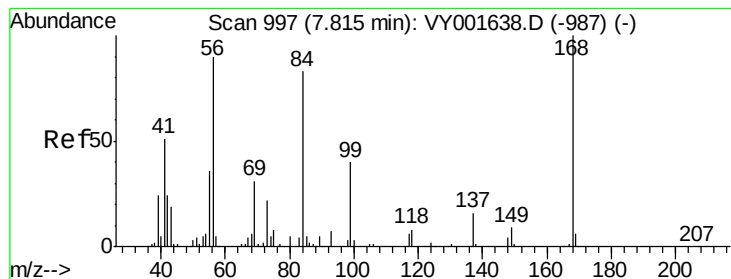
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_Y

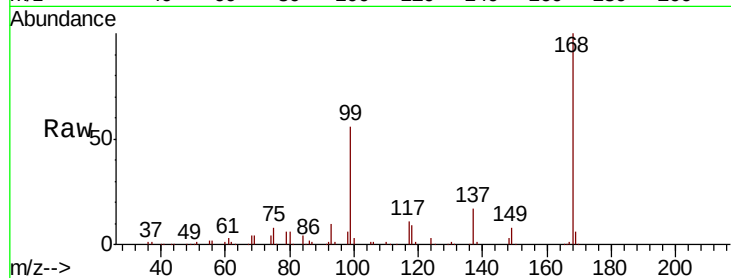
ClientSampled :

Tot Ion:168 Resp: 146019

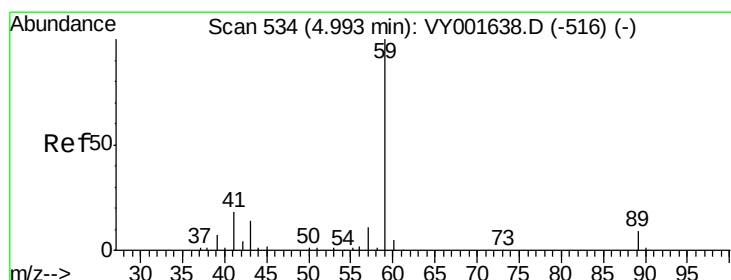
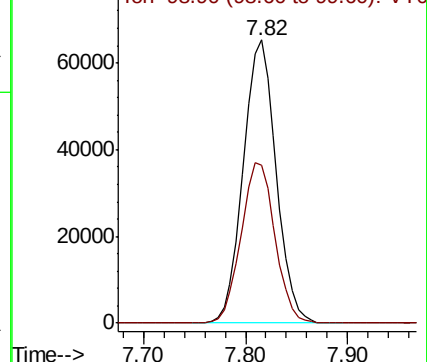
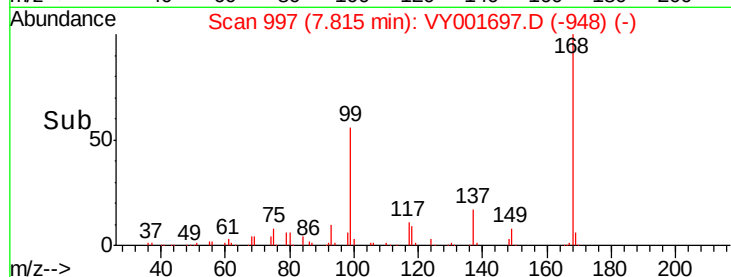
Ion Ratio Lower Upper

168 100

99 55.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001697.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.02 min Scan# 538

Delta R.T. 0.03 min

Lab File: VY001697.D

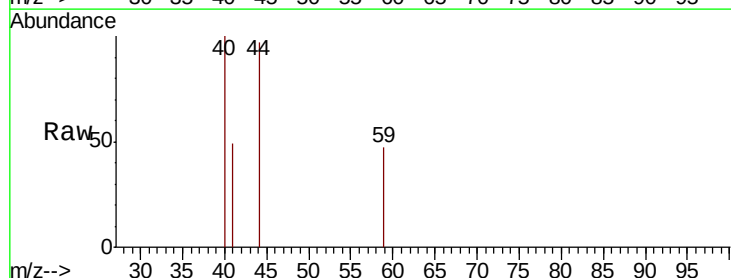
Acq: 19 Feb 2020 13:31

Tgt Ion: 59 Resp: 20

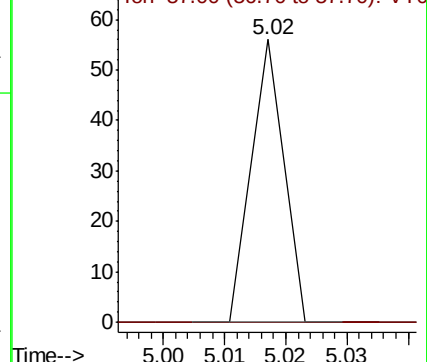
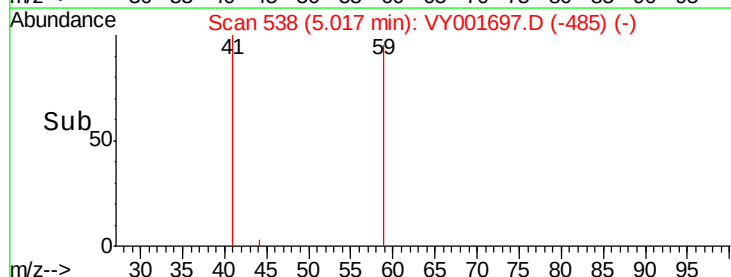
Ion Ratio Lower Upper

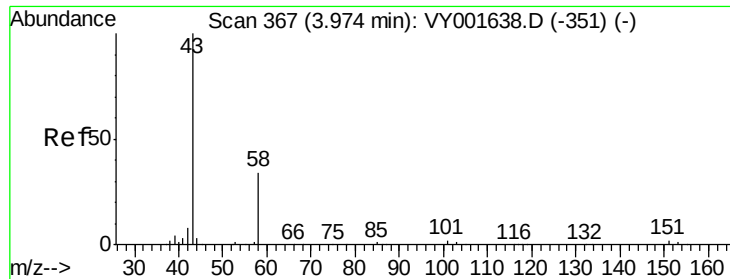
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001697.D (-485) (-)





#16

Acetone

Concen: 26.228 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_Y

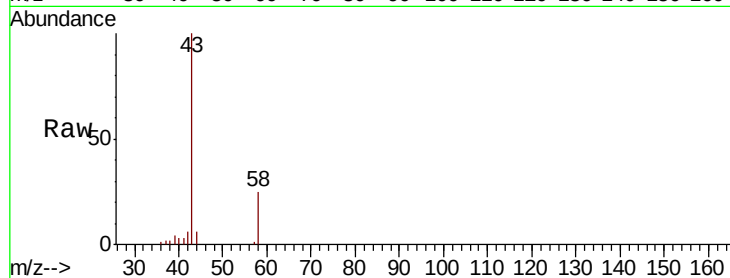
ClientSampleId :

Tot Ion: 43 Resp: 14254

Ion Ratio Lower Upper

43 100

58 25.5 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001697.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001697.D (-351) (-)

3.97

6000

5000

4000

3000

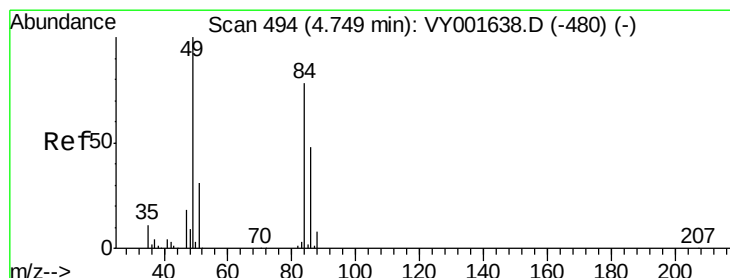
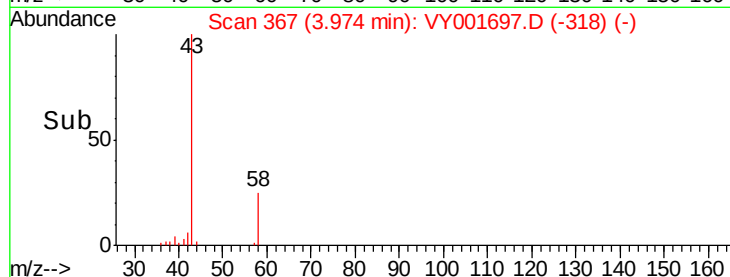
2000

1000

0

3.90 4.00 4.10

Time-->



#20

Methylene Chloride

Concen: 3.768 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Tgt Ion: 84 Resp: 7273

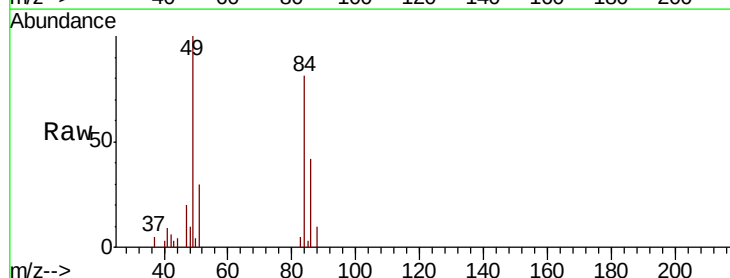
Ion Ratio Lower Upper

84 100

49 123.0 99.2 148.8

51 37.0 31.5 47.3

86 51.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001697.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001697.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001697.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001697.D (-480) (-)

4000

3000

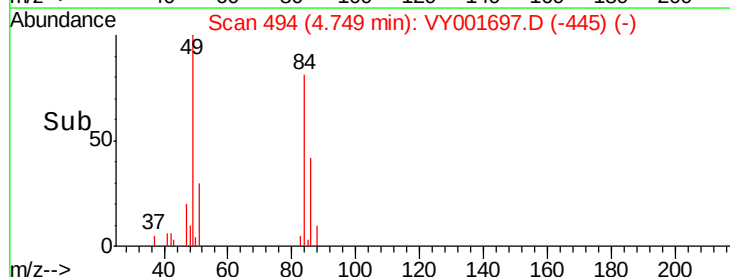
2000

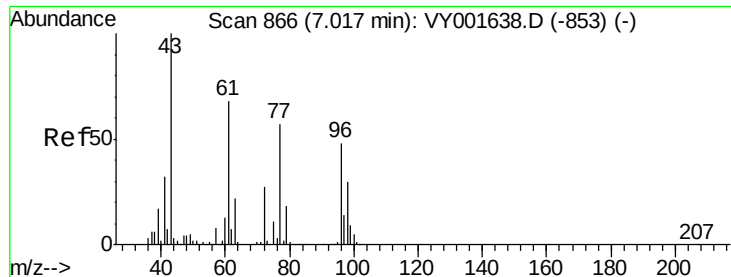
1000

0

4.65 4.70 4.75 4.80 4.85

Time-->





#25

2-Butanone

Concen: 3.558 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_Y

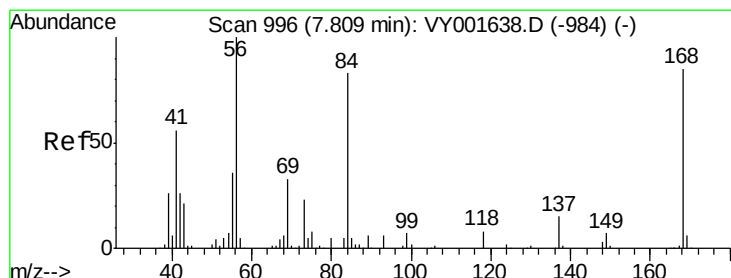
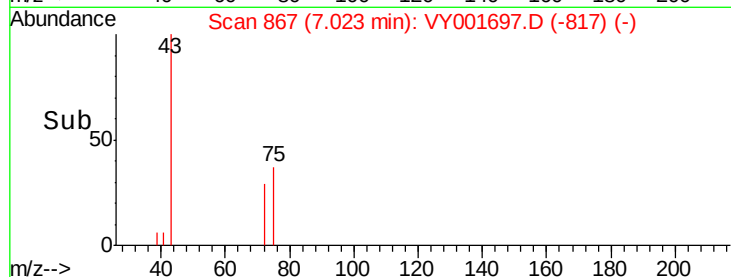
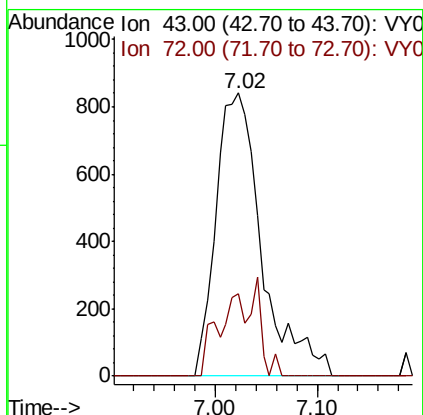
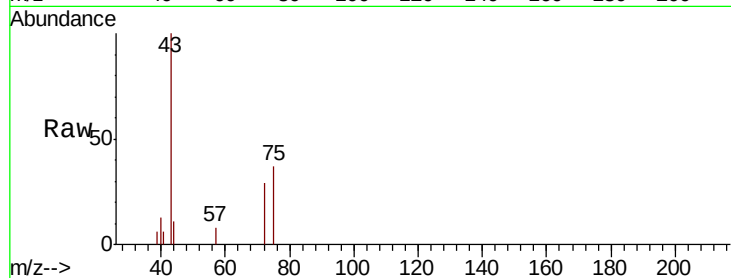
ClientSampleId :

Tot Ion: 43 Resp: 2627

Ion Ratio Lower Upper

43 100

72 29.1 21.2 31.8



#31

Cyclohexane

Concen: 1.056 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

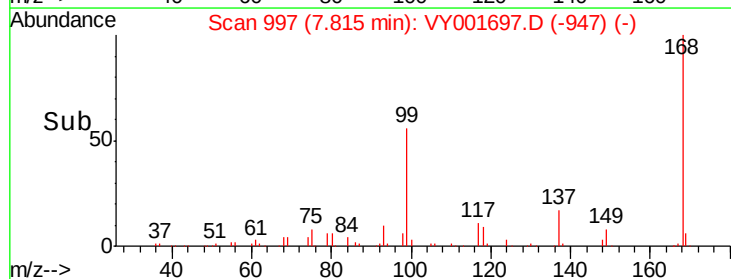
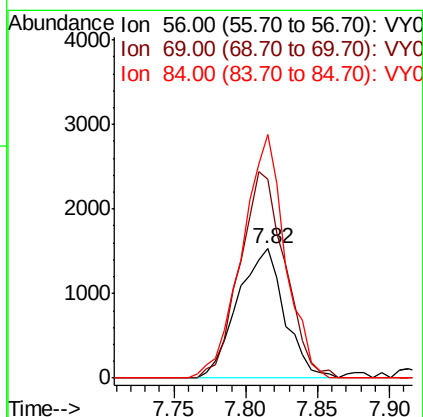
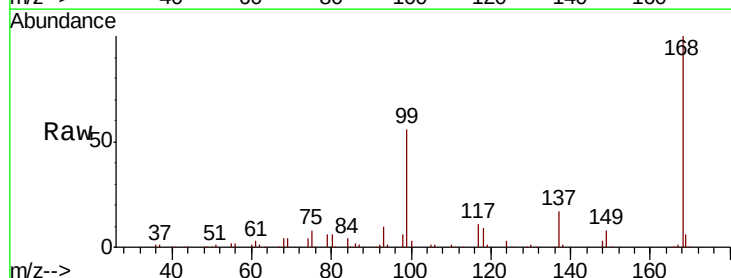
Tgt Ion: 56 Resp: 3486

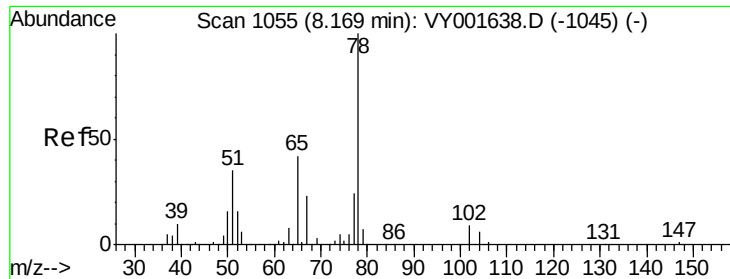
Ion Ratio Lower Upper

56 100

69 153.6 25.1 37.7#

84 188.3 66.9 100.3#

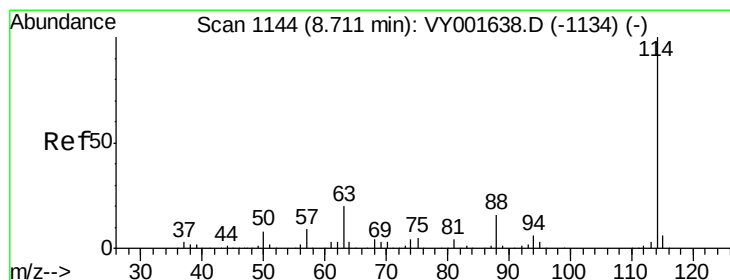
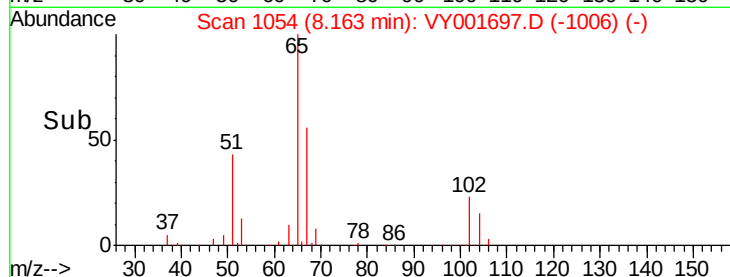
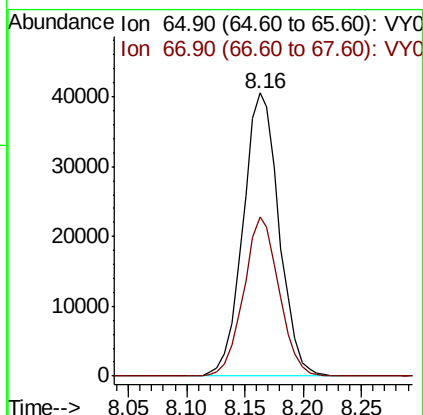
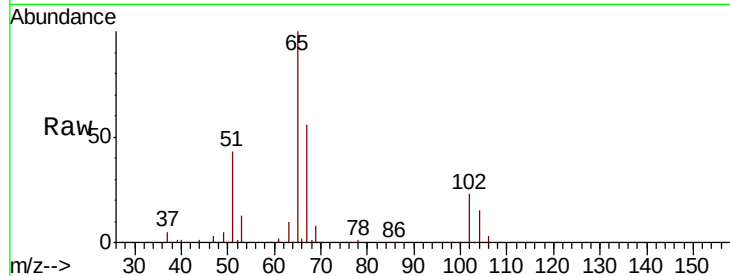




#33
 1,2-Dichloroethane-d4
 Concen: 55.547 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001697.D
 Acq: 19 Feb 2020 13:31

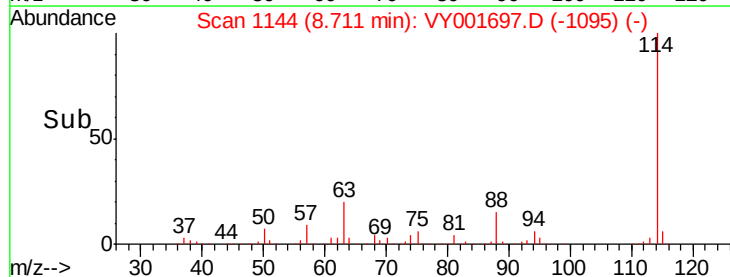
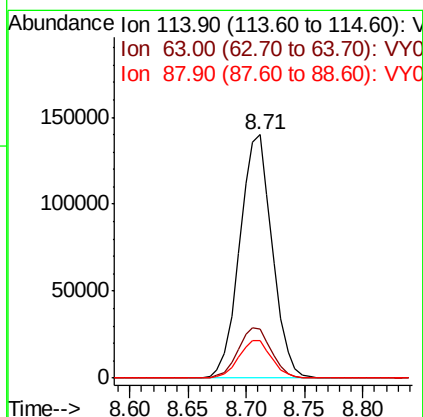
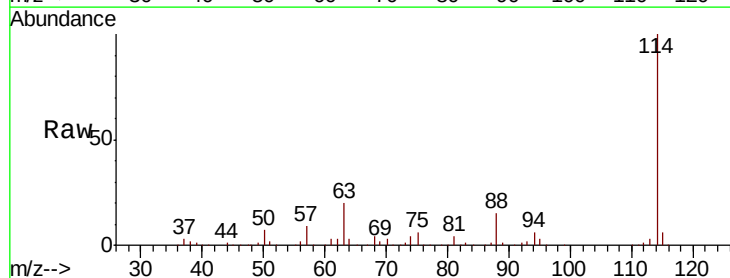
Instrument :
 MSVOA_Y
 ClientSampleId :

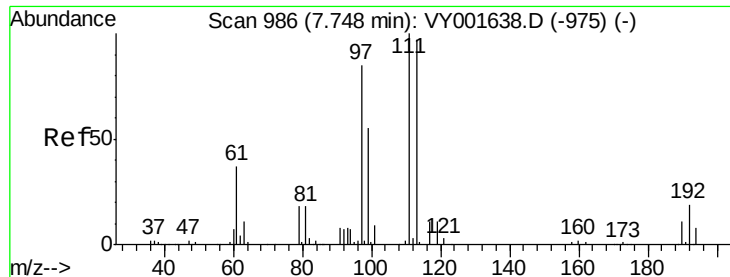
Tot Ion: 65 Resp: 87245
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001697.D
 Acq: 19 Feb 2020 13:31

Tgt Ion: 114 Resp: 272189
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.359 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_Y

ClientSampleId :

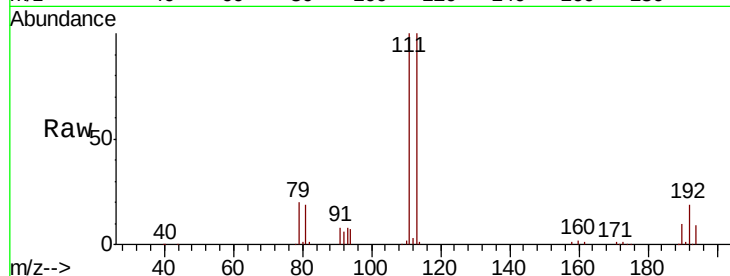
Tot Ion:113 Resp: 78509

Ion Ratio Lower Upper

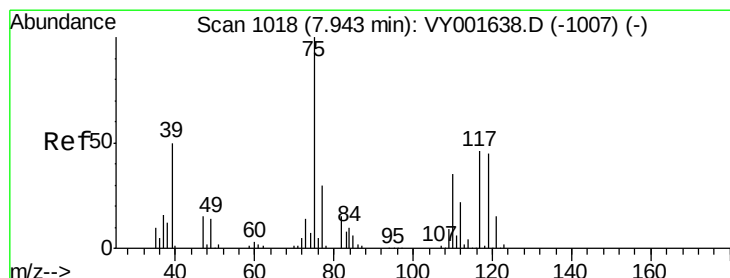
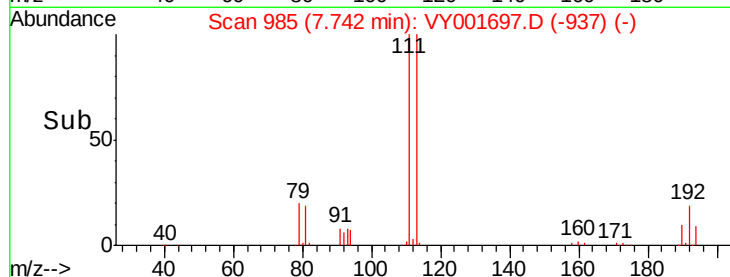
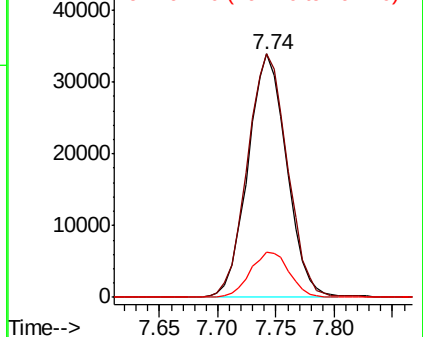
113 100

111 103.3 81.9 122.9

192 18.9 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: 4.632 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

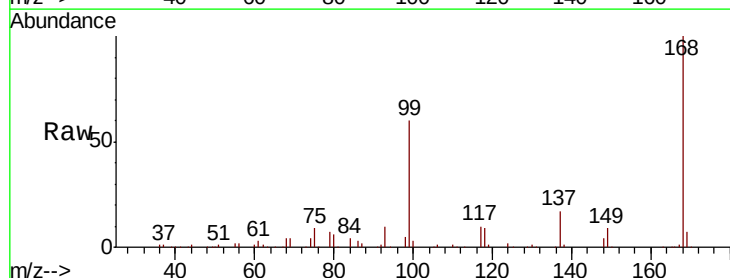
Tgt Ion: 75 Resp: 12044

Ion Ratio Lower Upper

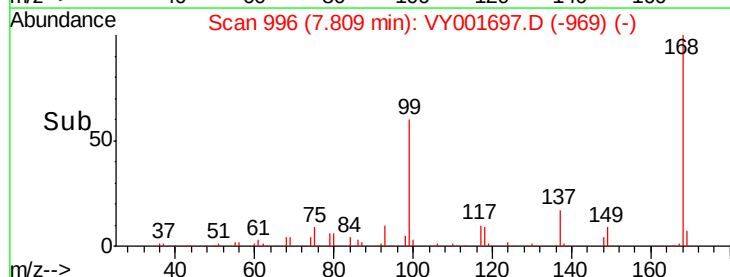
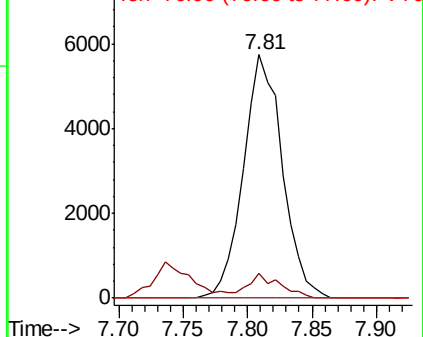
75 100

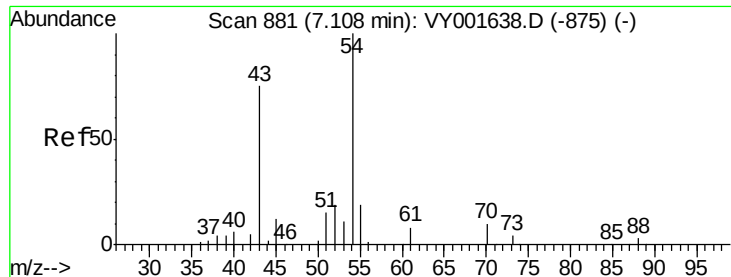
110 8.5 17.2 51.6#

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

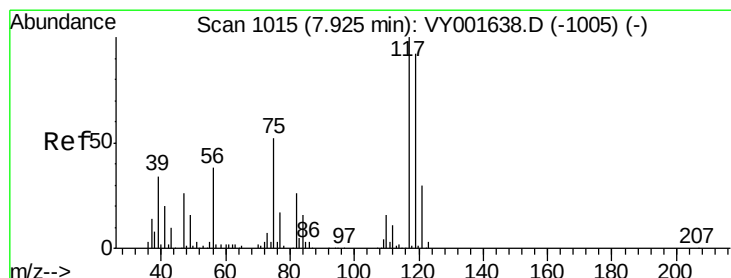
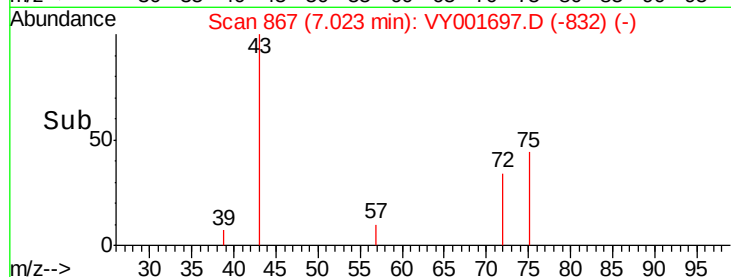
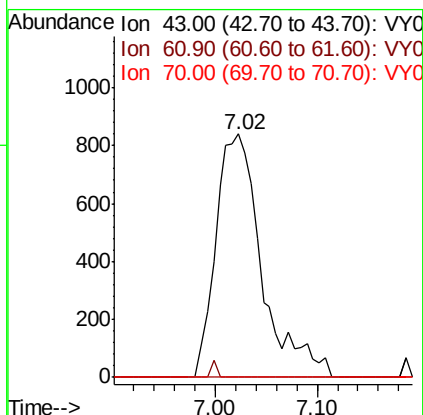
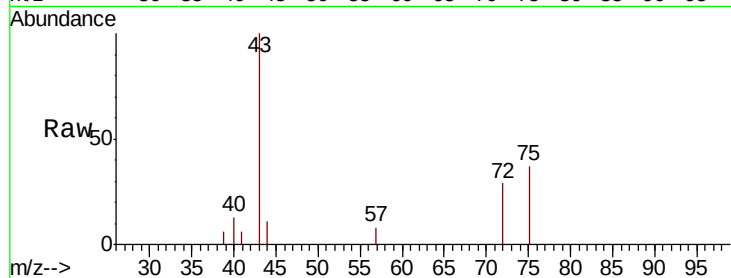




#37
Ethyl Acetate
Concen: 1.693 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.09 min
Lab File: VY001697.D
Acq: 19 Feb 2020 13:31

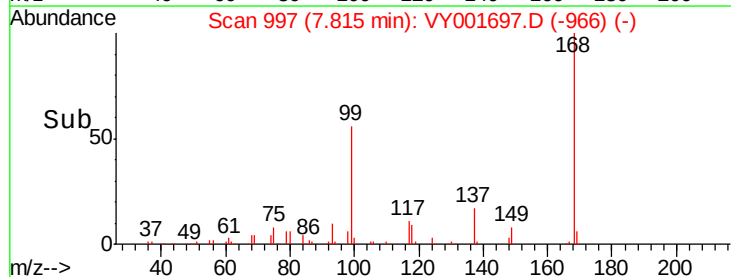
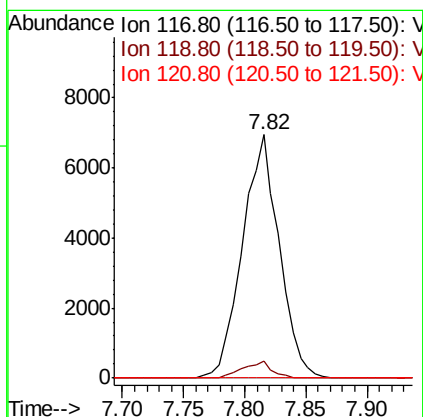
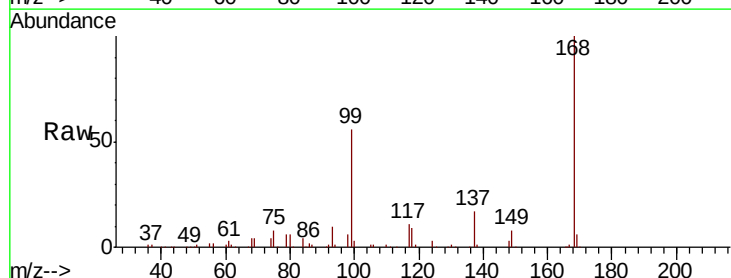
Instrument :
MSVOA_Y
ClientSampled :

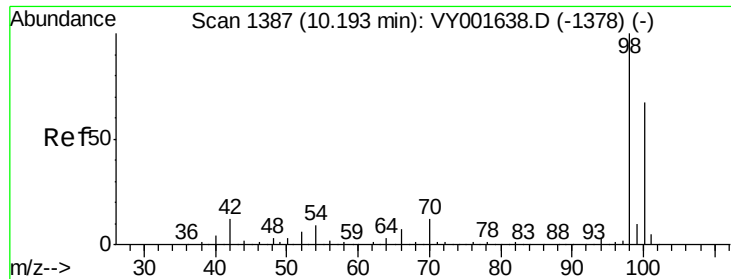
Tot Ion: 43 Resp: 2627
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001697.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 117 Resp: 14508
Ion Ratio Lower Upper
117 100
119 7.2 74.8 112.2#
121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 53.721 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_Y

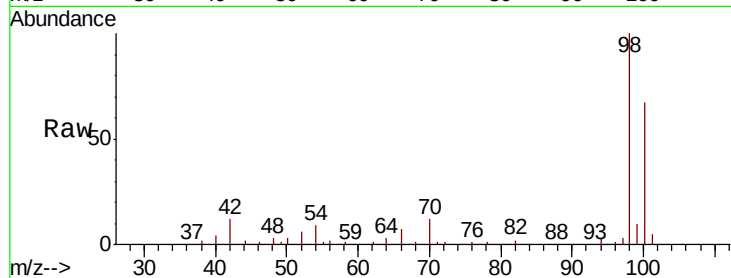
ClientSampleId :

Tot Ion: 98 Resp: 328104

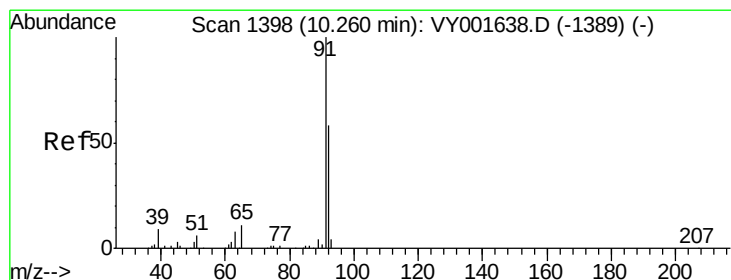
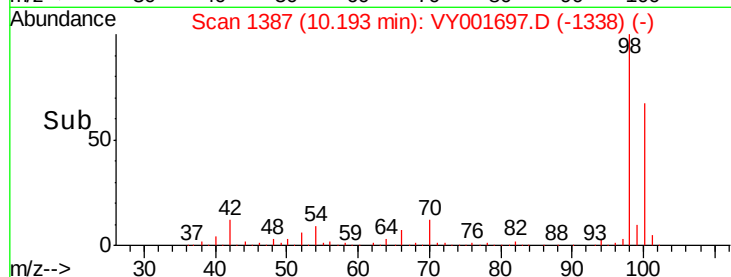
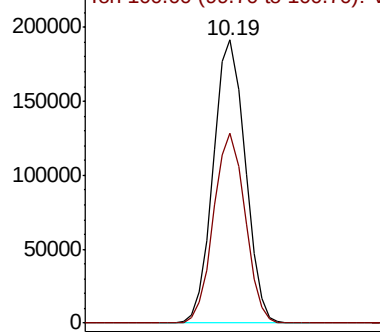
Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)



#52

Toluene

Concen: 1.317 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001697.D

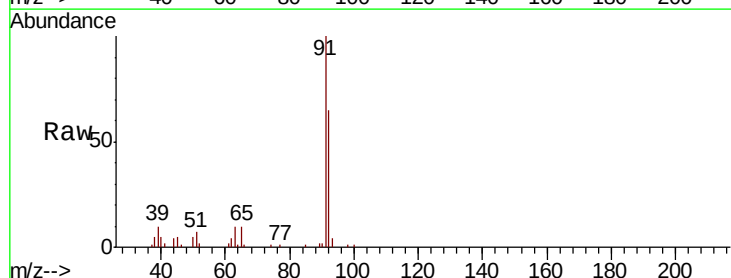
Acq: 19 Feb 2020 13:31

Tgt Ion: 92 Resp: 6283

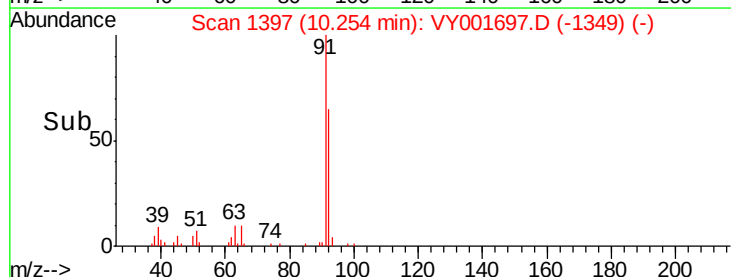
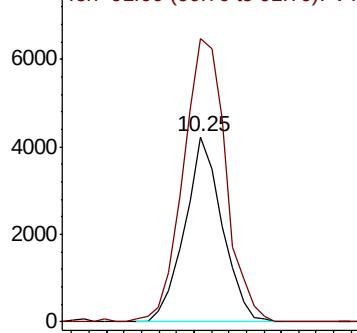
Ion Ratio Lower Upper

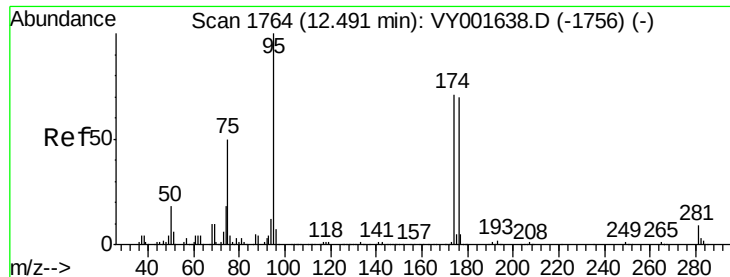
92 100

91 174.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY001638.D (-1389) (-)

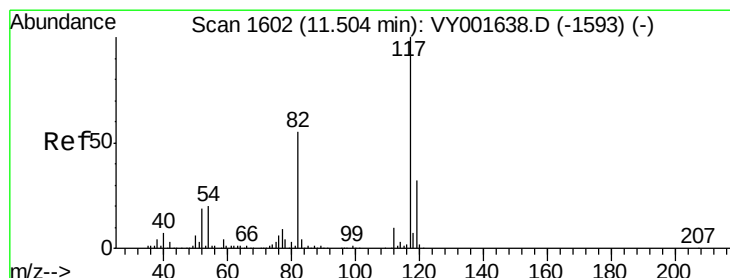
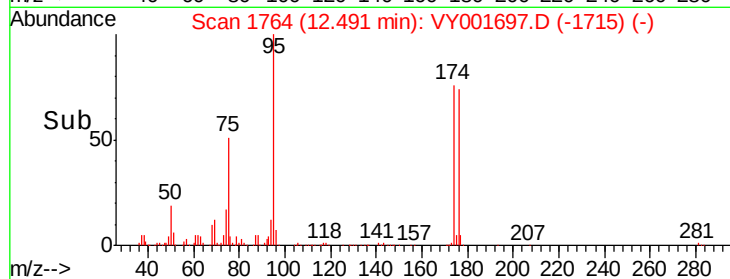
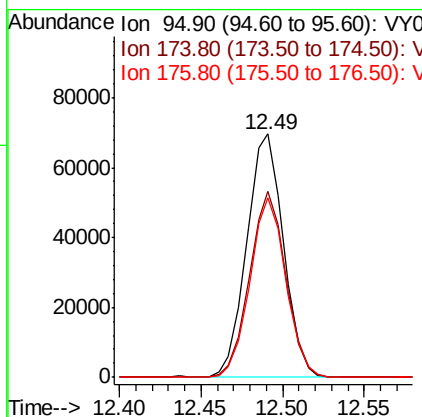
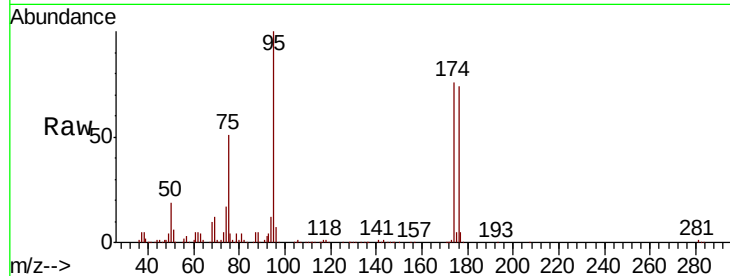




#62
4-Bromofluorobenzene
Concen: 45.869 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001697.D
Acq: 19 Feb 2020 13:31

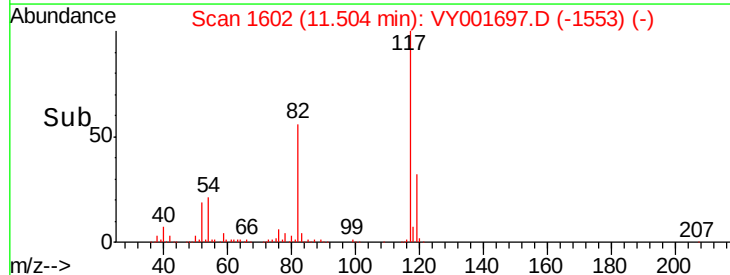
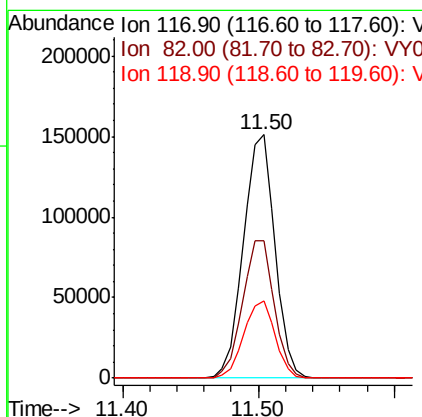
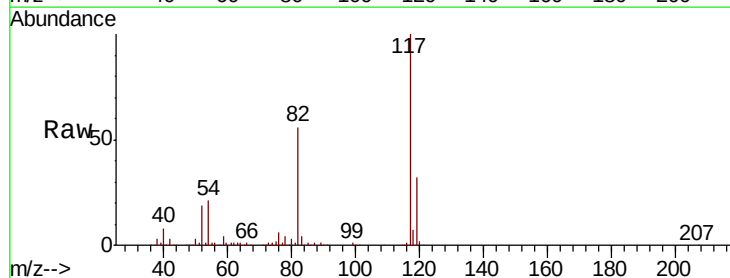
Instrument :
MSVOA_Y
ClientSampleId :

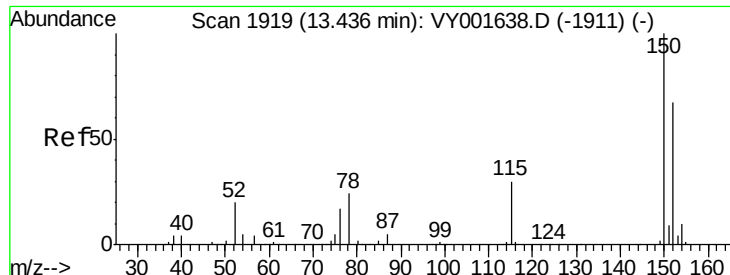
Tot Ion	95	Resp	108835
Ion Ratio	Lower	Upper	
95	100		
174	75.2	0.0	138.4
176	71.9	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001697.D
Acq: 19 Feb 2020 13:31

Tgt Ion	117	Resp	244467
Ion Ratio	Lower	Upper	
117	100		
82	56.5	45.5	68.3
119	32.0	25.8	38.6



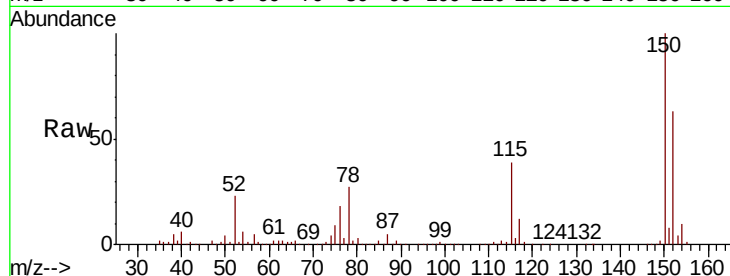


#72

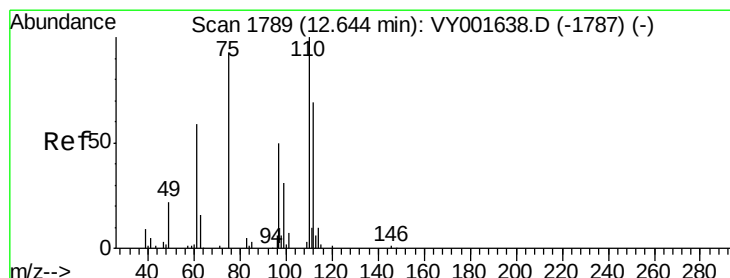
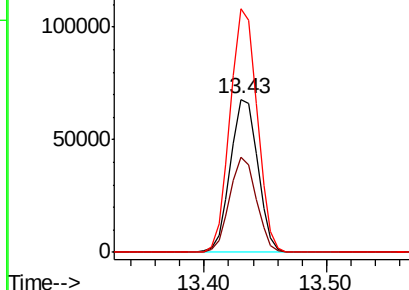
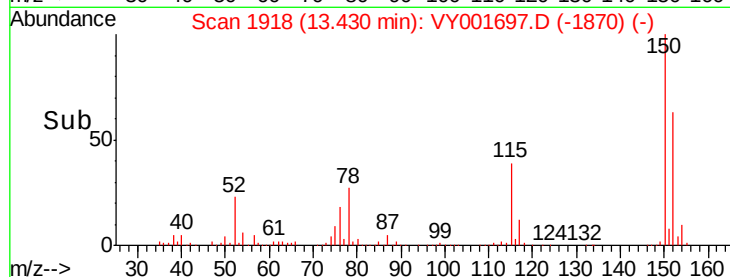
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001697.D
Acq: 19 Feb 2020 13:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 105478
Ion Ratio Lower Upper
152 100
115 60.7 31.4 94.2
150 157.0 0.0 407.2



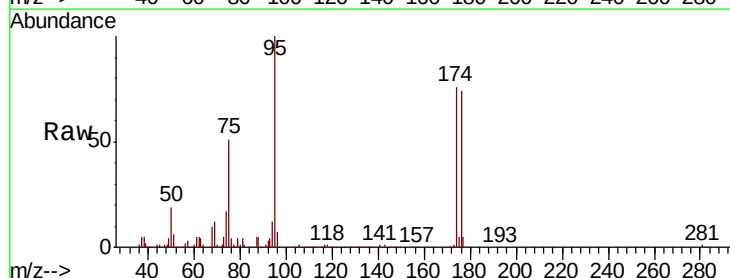
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



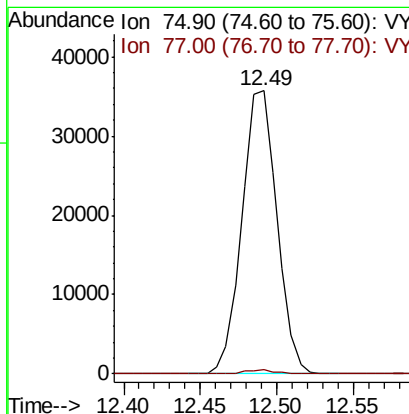
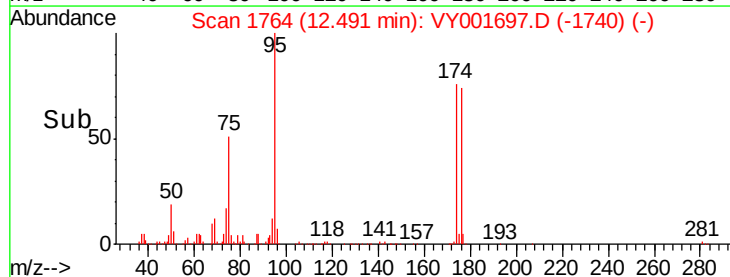
#76

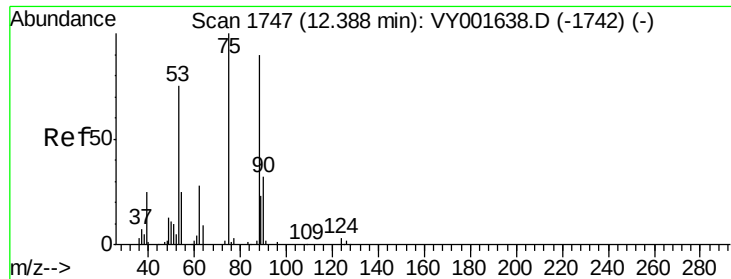
1,2,3-Trichloropropane
Concen: 46.988 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY001697.D
Acq: 19 Feb 2020 13:31

Tgt Ion: 75 Resp: 56854
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: 89.144 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001697.D

Acq: 19 Feb 2020 13:31

Instrument :

MSVOA_Y

ClientSampleId :

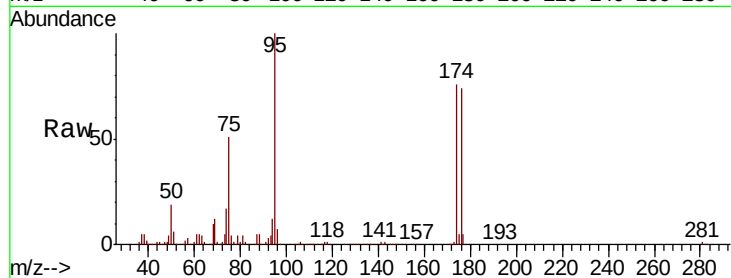
Tot Ion: 75 Resp: 56854

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.3 36.3 54.5#



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

