

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001751.D
 Acq On : 21 Feb 2020 18:24
 Operator : SY/MD
 Sample : L1650-01
 Misc : 6.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:44:37 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	156600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115568	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	94591	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	7.74	113	86647	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.19	98	357565	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.49	95	119929	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

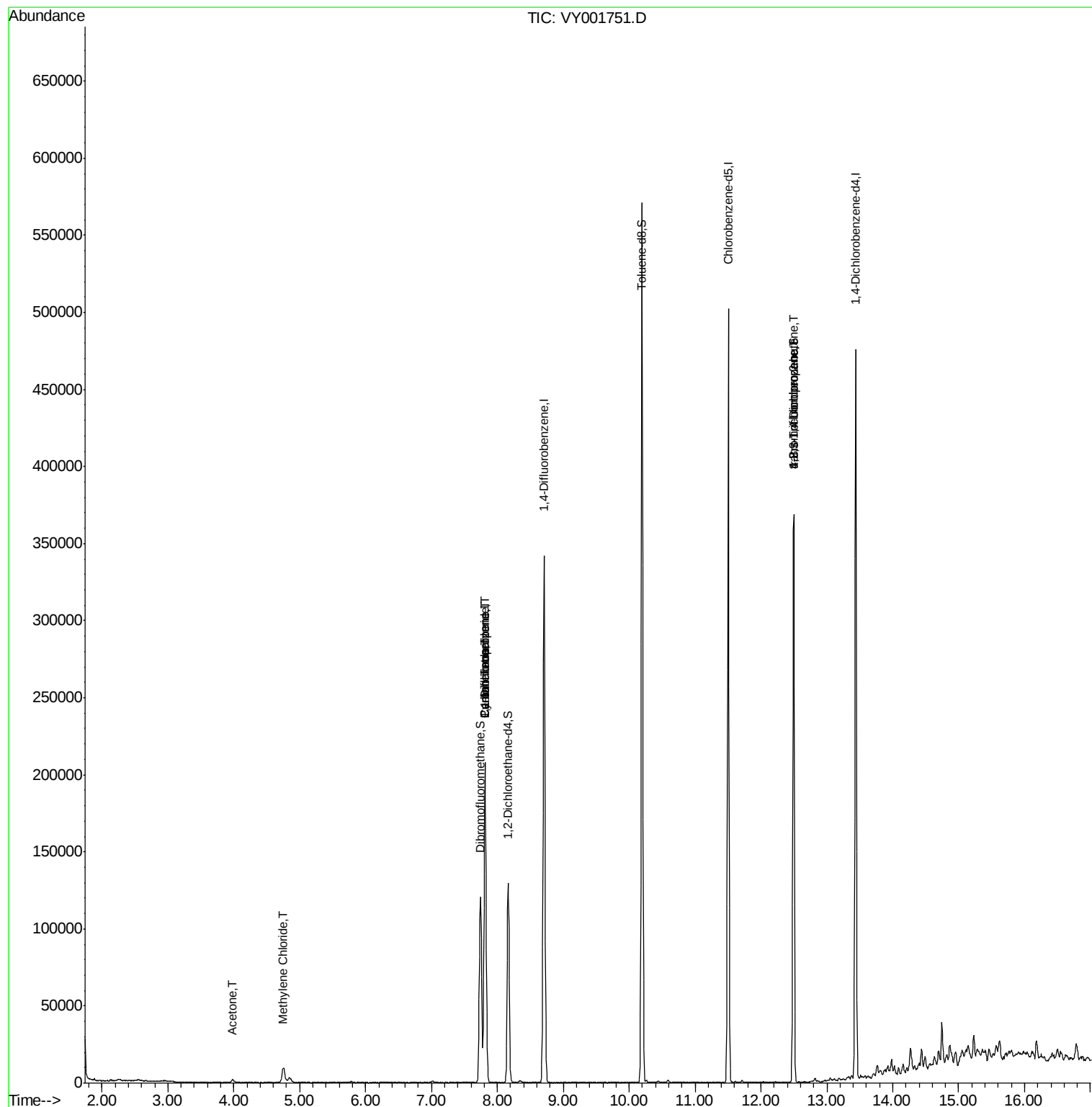
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	123	Below Cal	#	74
16) Acetone	3.98	43	3725	6.391	ug/l	90
20) Methylene Chloride	4.75	84	7128	3.443	ug/l	98
31) Cyclohexane	7.81	56	3732	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13501	4.794	ug/l #	49
38) Carbon Tetrachloride	7.81	117	15542	6.283	ug/l #	17
76) 1,2,3-Trichloropropane	12.50	75	62211	46.926	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	62211	89.027	ug/l #	17

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

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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



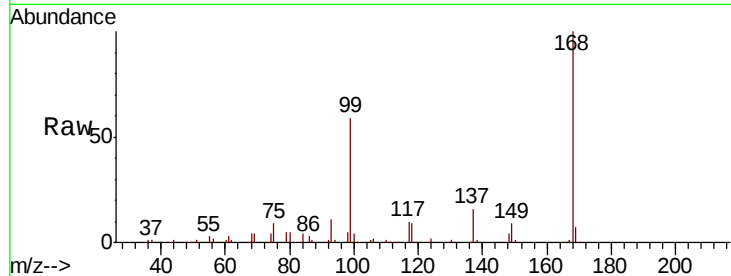


#1

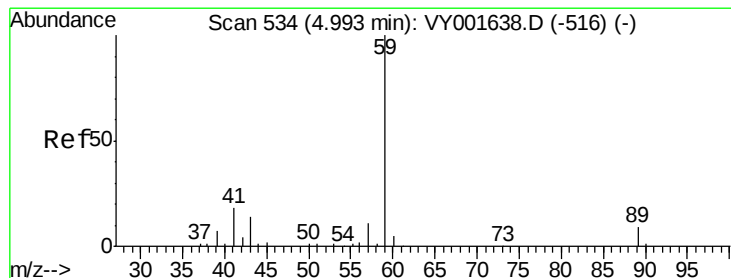
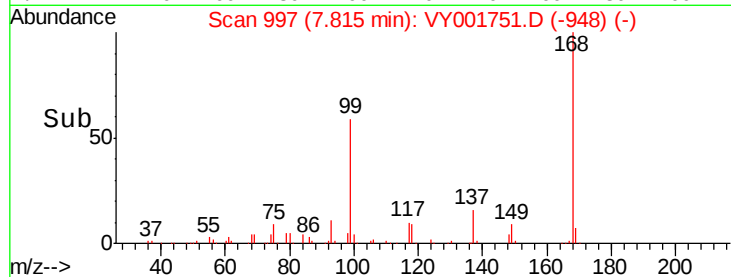
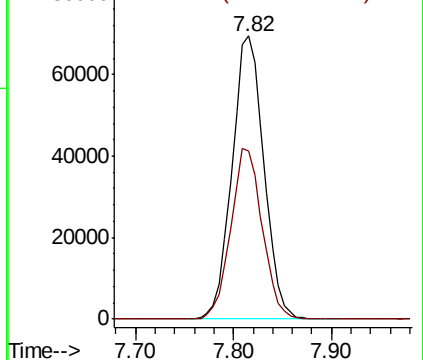
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VY001751.D
 Acq: 21 Feb 2020 18:24

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:168 Resp: 156600
 Ion Ratio Lower Upper
 168 100
 99 59.3 47.5 71.3



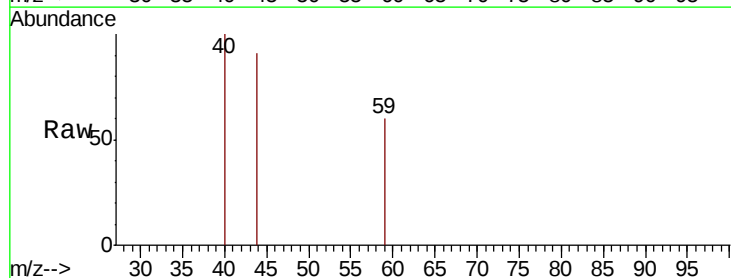
Abundance Ion 167.90 (167.60 to 168.60): VY001751.D (-948) (-)
 Ion 98.90 (98.60 to 99.60): VY001751.D (-948) (-)



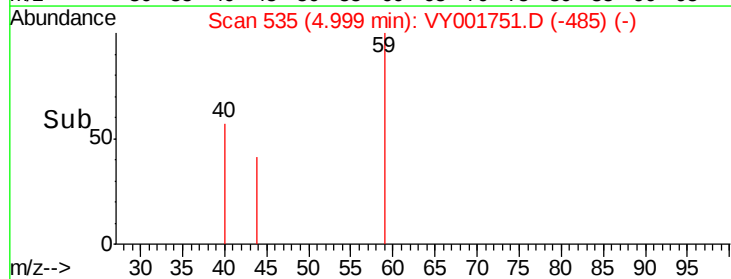
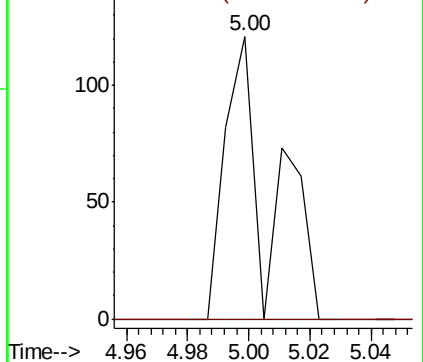
#11

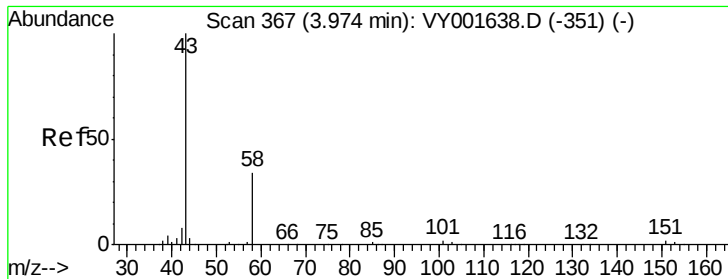
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.00 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VY001751.D
 Acq: 21 Feb 2020 18:24

Tgt Ion: 59 Resp: 123
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001751.D (-485) (-)
 Ion 57.00 (56.70 to 57.70): VY001751.D (-485) (-)





#16

Acetone

Concen: 6.391 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

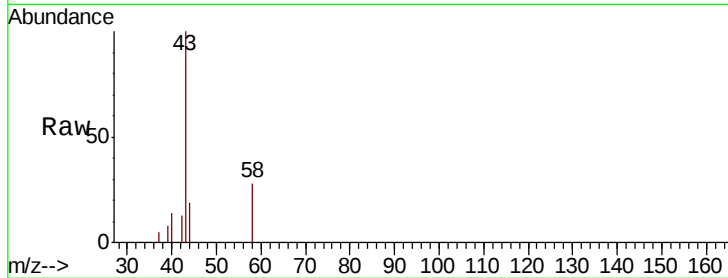
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3725

Ion Ratio Lower Upper

43 100

58 28.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

1500

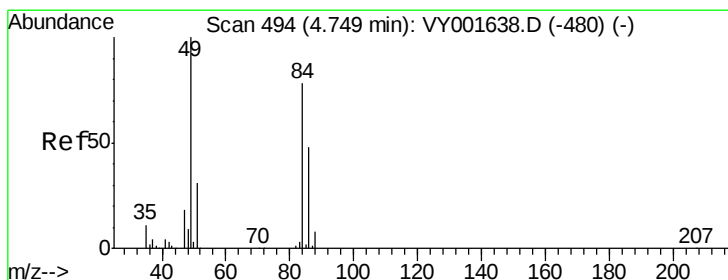
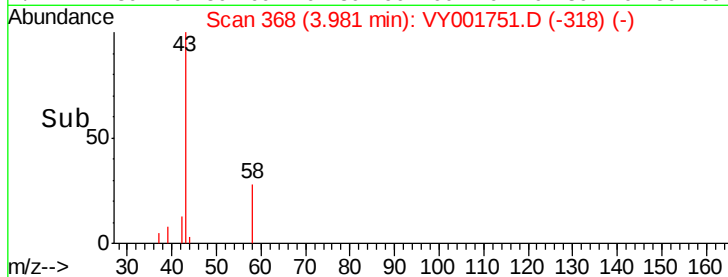
1000

500

0

Time-->

3.90 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 3.443 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Tgt Ion: 84 Resp: 7128

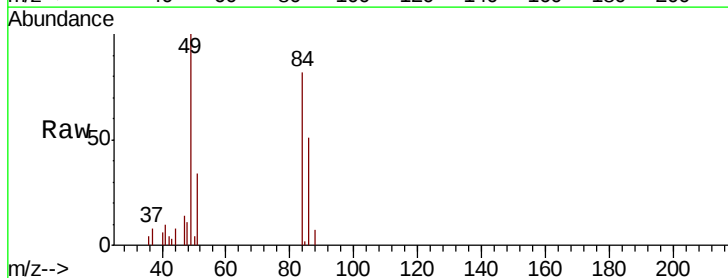
Ion Ratio Lower Upper

84 100

49 122.0 99.2 148.8

51 41.3 31.5 47.3

86 62.4 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

4000

3000

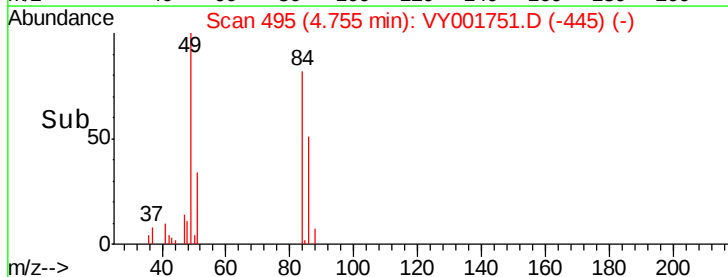
2000

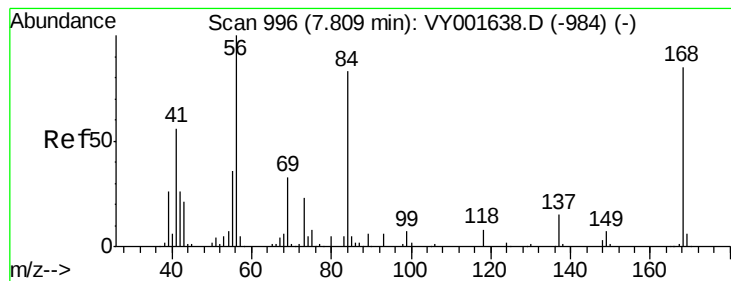
1000

0

Time-->

4.70 4.80





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

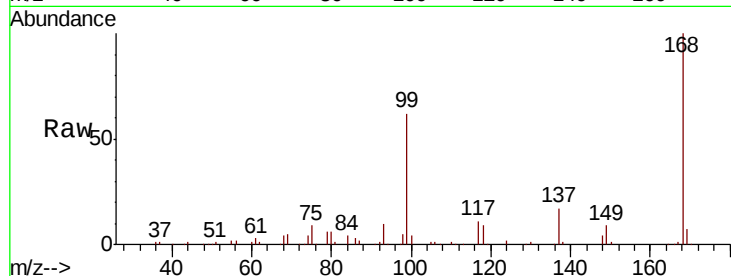
Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3732

Ion	Ratio	Lower	Upper
56	100		
69	205.5	25.1	37.7#
84	177.6	66.9	100.3#

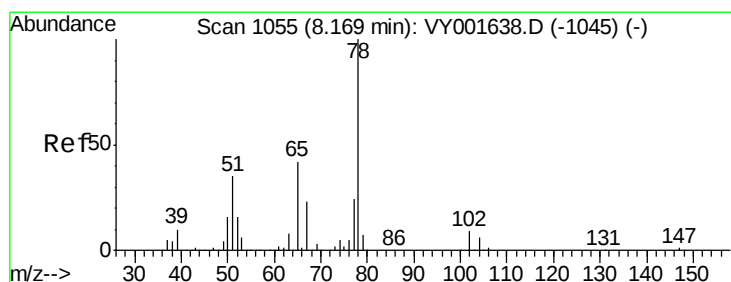
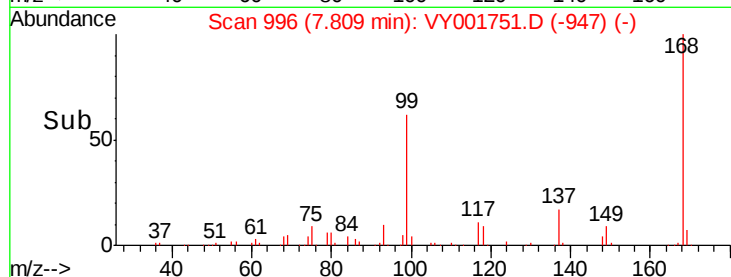
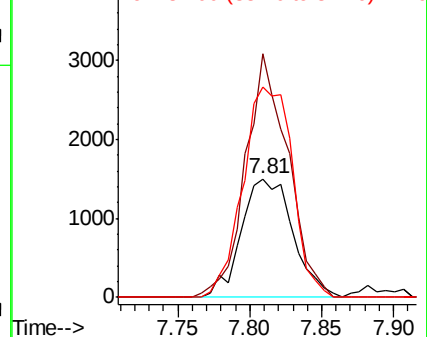


Abundance

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: 56.155 ug/l

RT: 8.16 min Scan# 1054

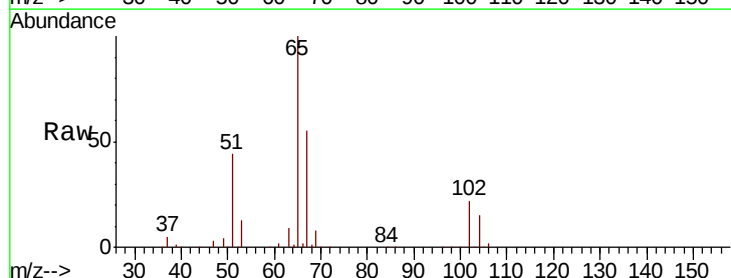
Delta R.T. -0.01 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Tgt Ion: 65 Resp: 94591

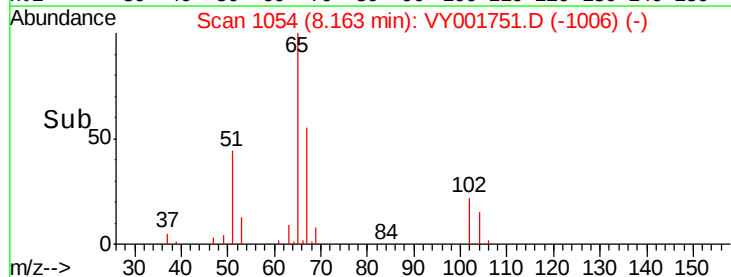
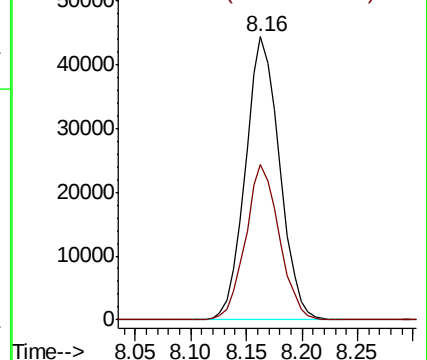
Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	111.0

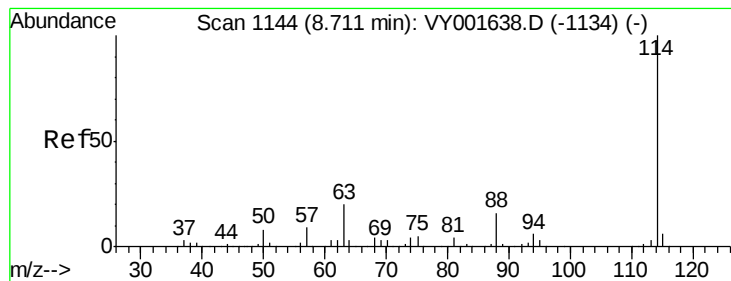


Abundance

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# 1144

Delta R.T. 0.00 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Instrument :
MSVOA_Y
ClientSampleId :

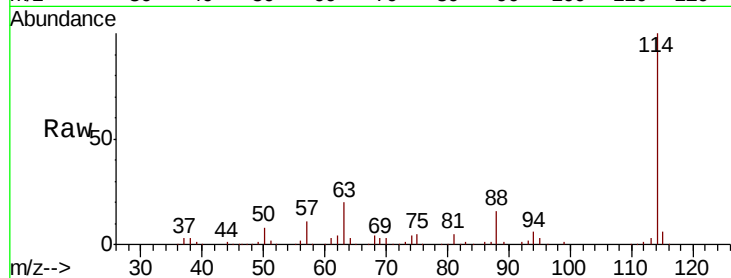
Tot Ion:114 Resp: 294820

Ion Ratio Lower Upper

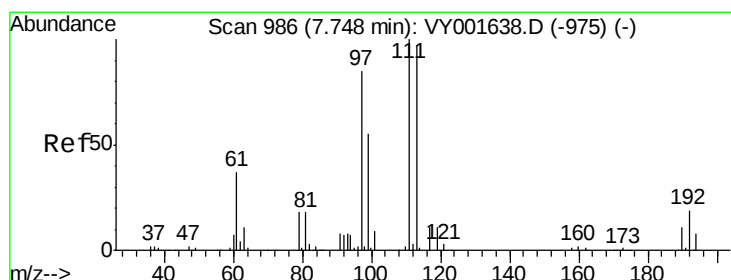
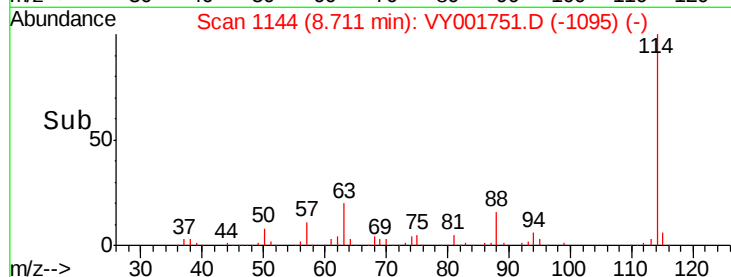
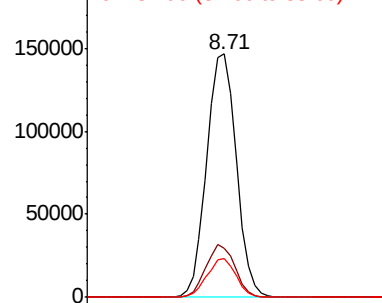
114 100

63 20.2 0.0 41.4

88 16.0 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: 51.313 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

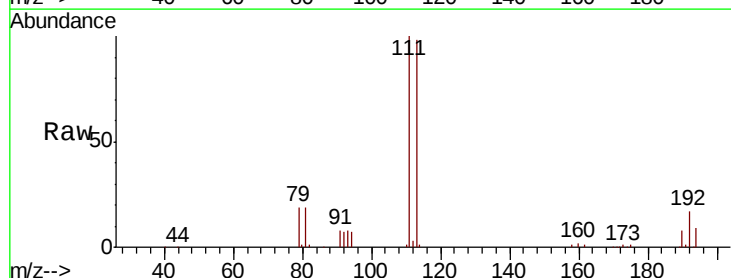
Tgt Ion:113 Resp: 86647

Ion Ratio Lower Upper

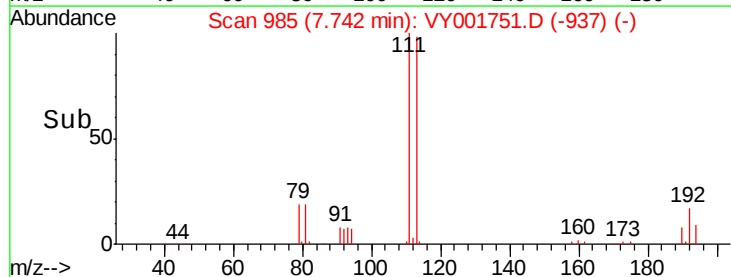
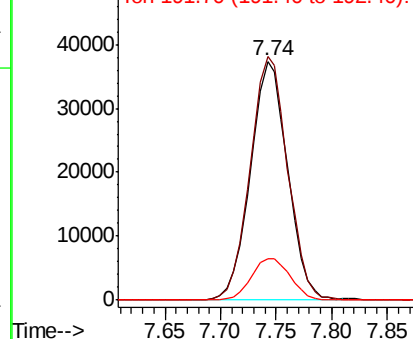
113 100

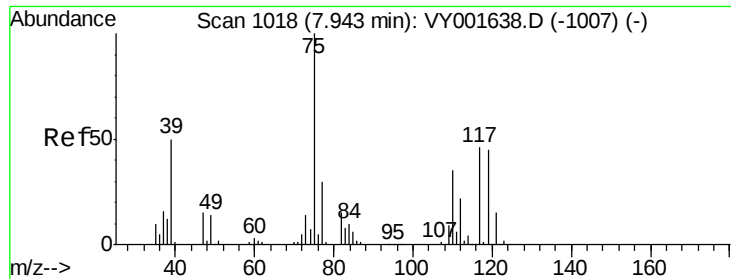
111 103.4 81.9 122.9

192 18.1 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

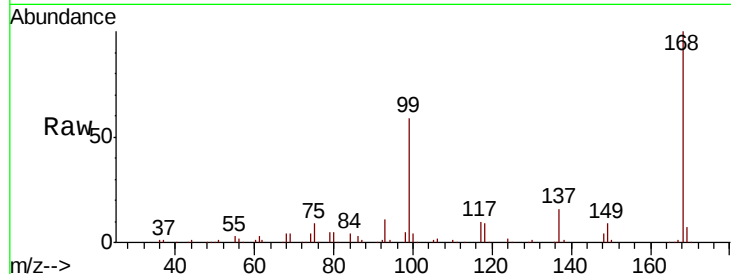




#36
 1,1-Dichloropropene
 Concen: 4.794 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001751.D
 Acq: 21 Feb 2020 18:24

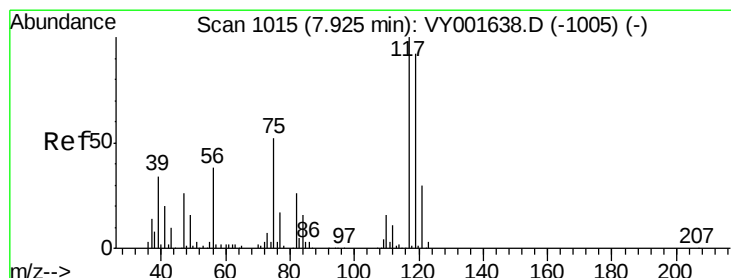
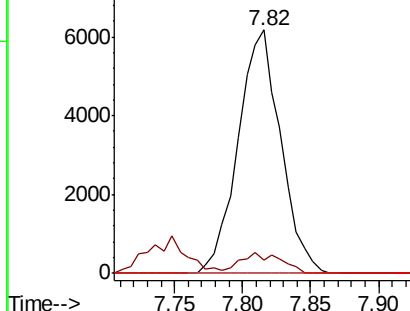
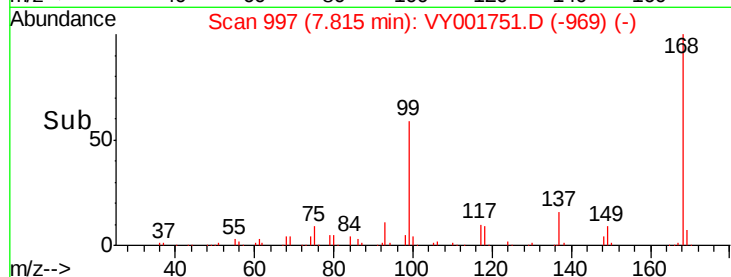
Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.2	51.6#
77	0.0	24.8	37.2#



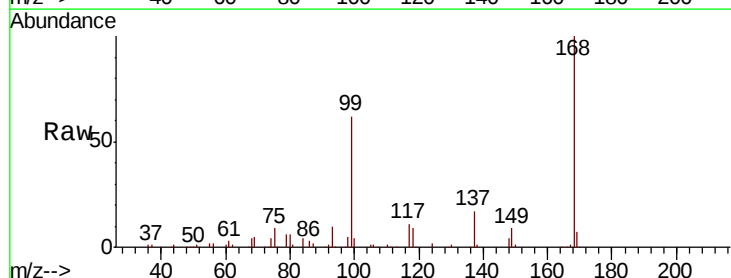
Abundance

Ion 74.90 (74.60 to 75.60): VY001751.D (-969) (-)



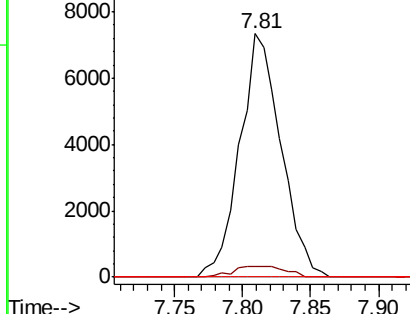
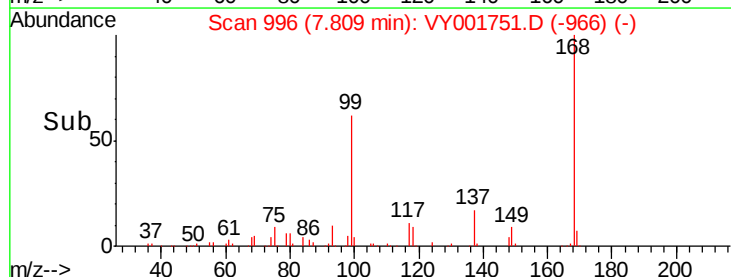
#38
 Carbon Tetrachloride
 Concen: 6.283 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001751.D
 Acq: 21 Feb 2020 18:24

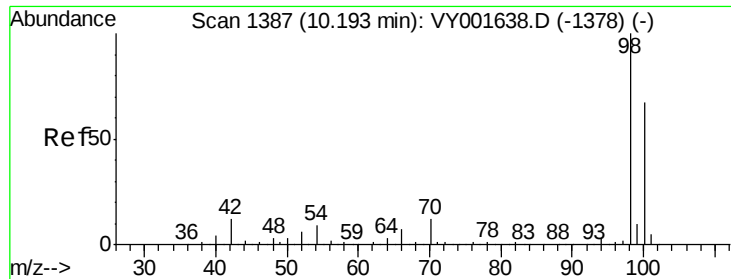
Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	74.8	112.2#
121	0.0	23.8	35.6#



Abundance

Ion 116.80 (116.50 to 117.50): VY001751.D (-966) (-)





#50

Toluene-d8

Concen: 54.050 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Instrument :

MSVOA_Y

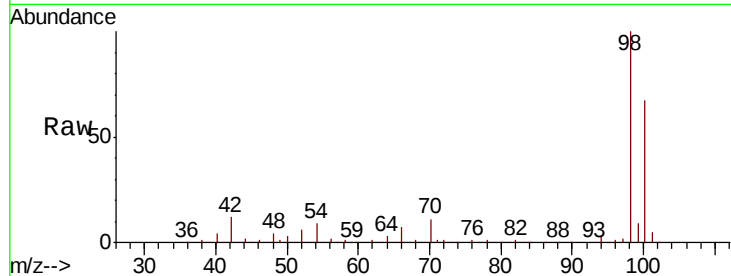
ClientSampleId :

Tot Ion: 98 Resp: 357565

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



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

Ion 100.00 (99.70 to 100.70): VY001751.D (-1338) (-)

10.19

200000

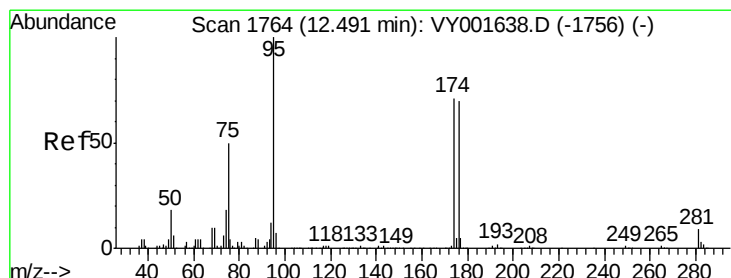
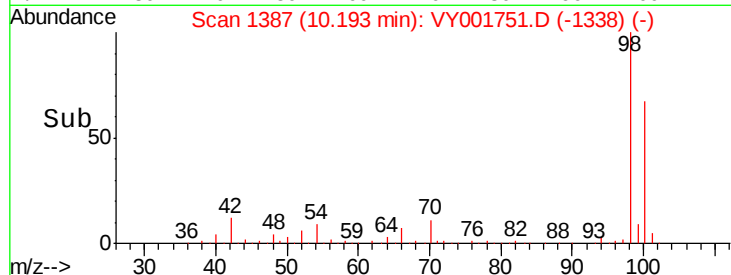
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.664 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

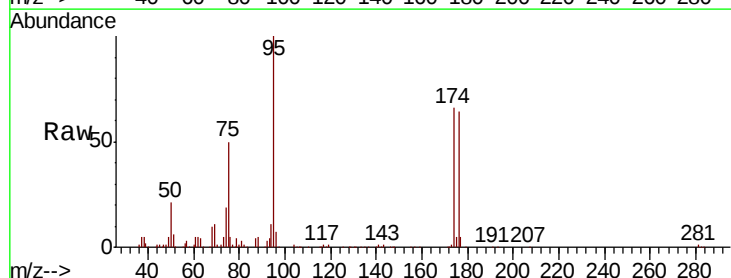
Tgt Ion: 95 Resp: 119929

Ion Ratio Lower Upper

95 100

174 73.1 0.0 138.4

176 70.1 0.0 131.8



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

Ion 173.80 (173.50 to 174.50): VY001751.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001751.D (-1715) (-)

12.49

100000

80000

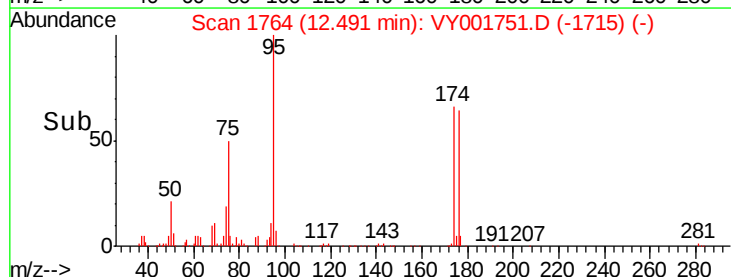
60000

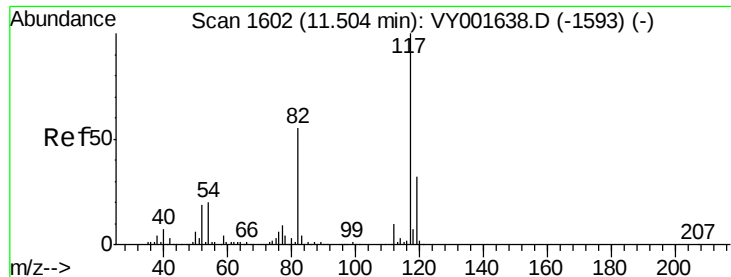
40000

20000

0

Time-->

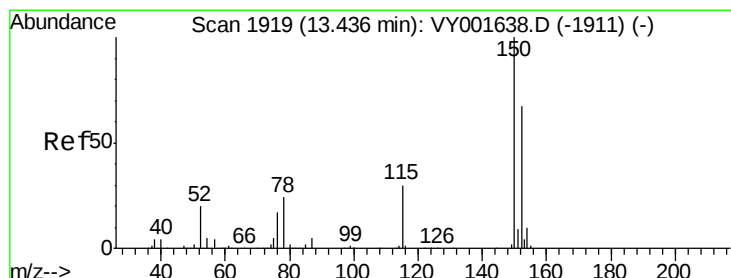
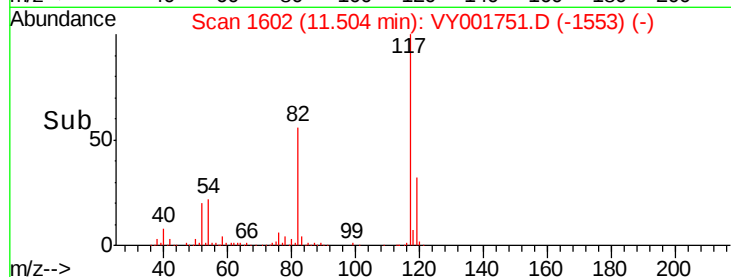
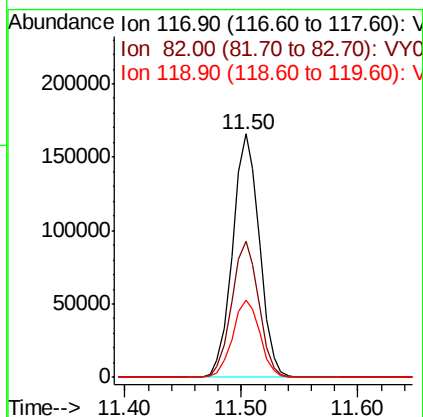
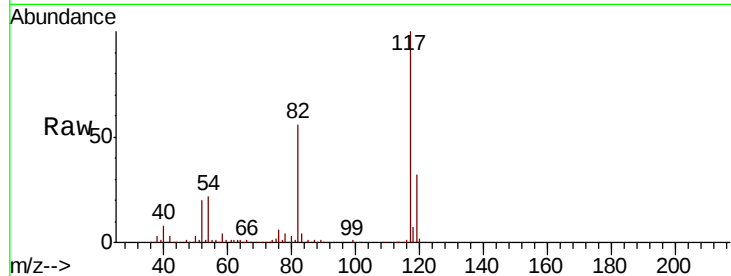




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001751.D
Acq: 21 Feb 2020 18:24

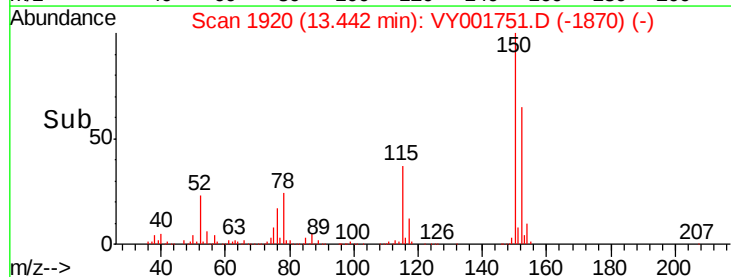
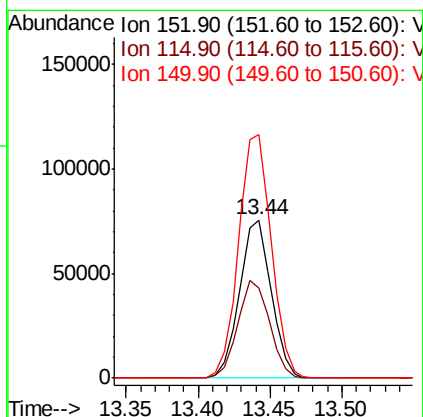
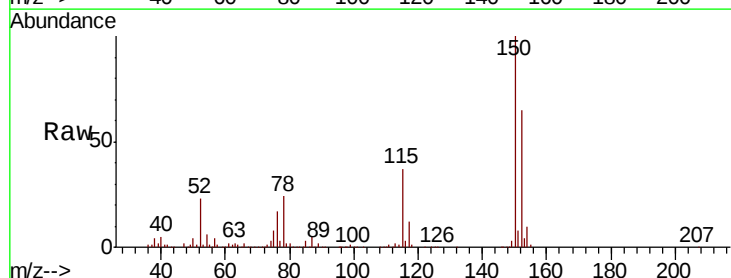
Instrument :
MSVOA_Y
ClientSampled :

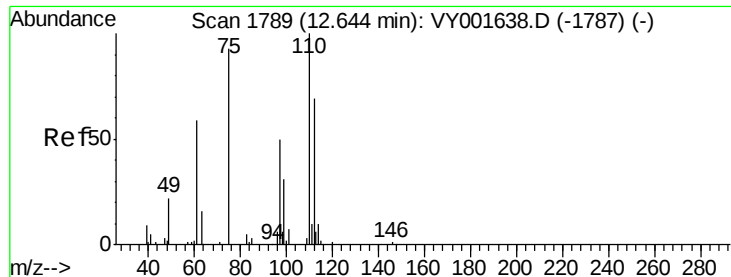
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.5	68.3
119	31.9	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001751.D
Acq: 21 Feb 2020 18:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.4	94.2
150	158.8	0.0	407.2





#76

1,2,3-Trichloropropane

Concen: 46.926 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Instrument :

MSVOA_Y

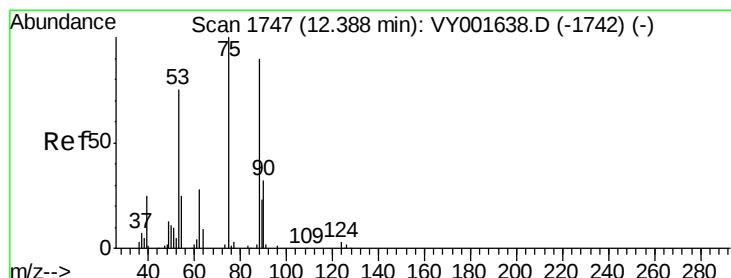
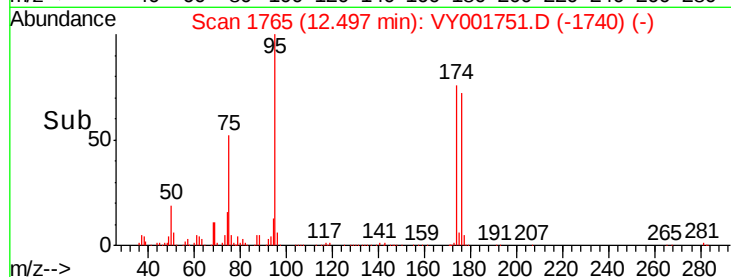
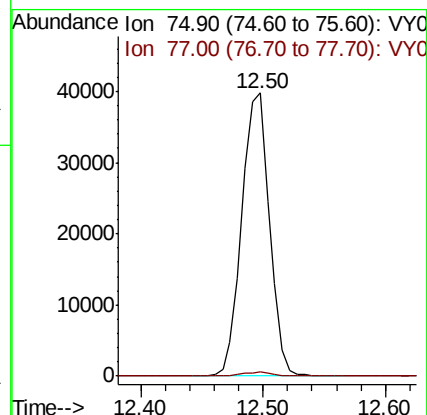
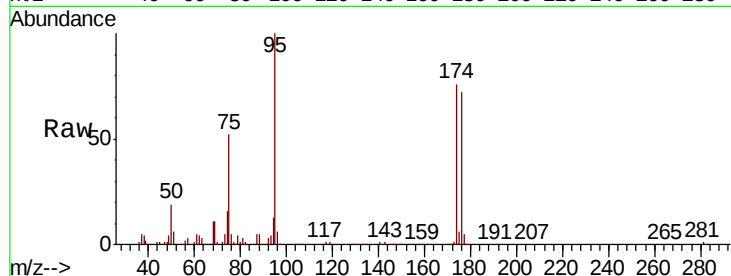
ClientSampleId :

Tot Ion: 75 Resp: 62211

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.027 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001751.D

Acq: 21 Feb 2020 18:24

Tgt Ion: 75 Resp: 62211

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

