

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001652.D
 Acq On : 17 Feb 2020 17:29
 Operator : SY/MD
 Sample : L1546-08
 Misc : 6.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:37:12 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

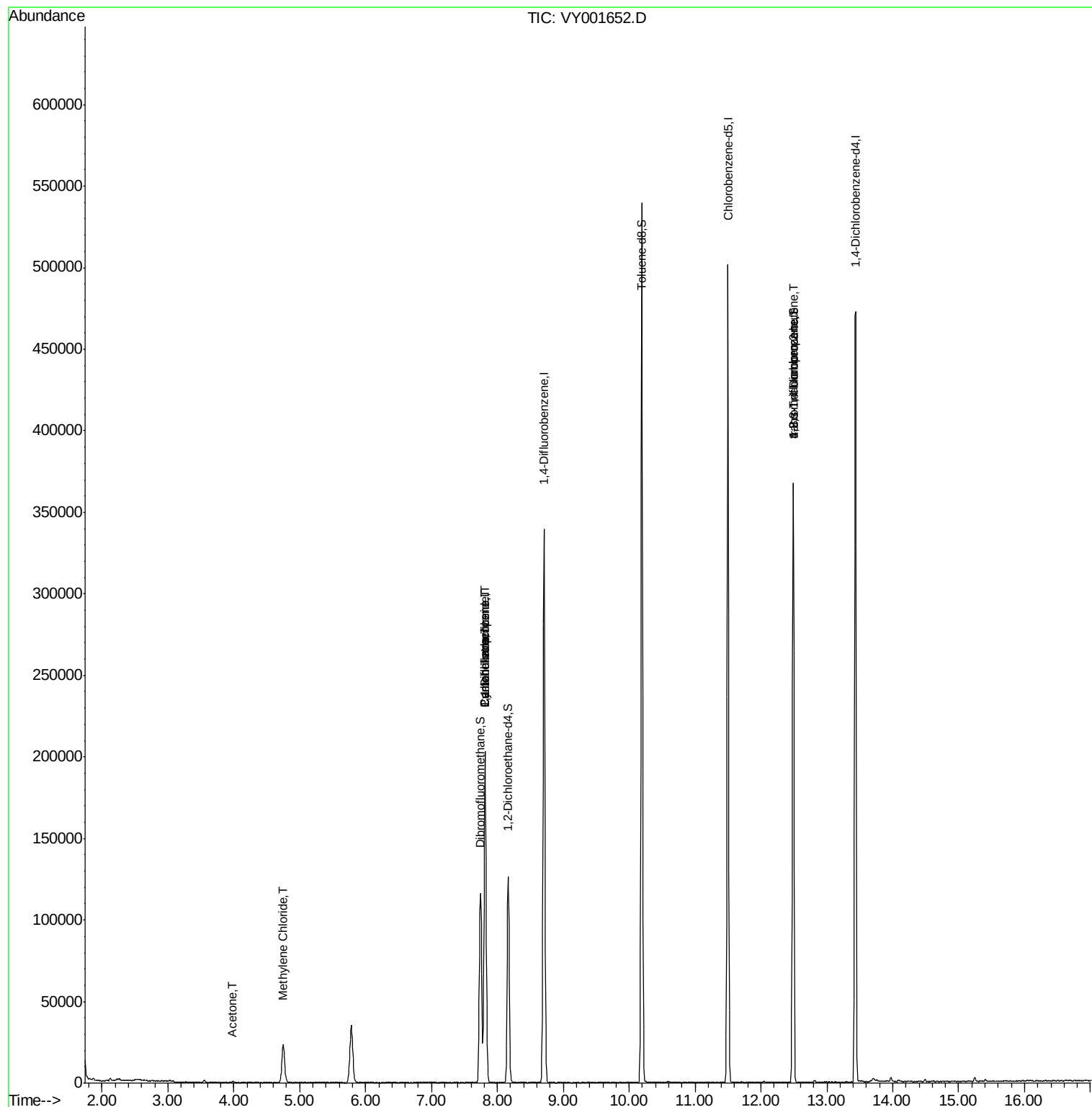
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	155146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	264942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119149	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	94981	56.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.84%	
35) Dibromofluoromethane	7.74	113	84382	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
50) Toluene-d8	10.19	98	347963	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.49	95	121341	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	60	Below Cal	#	74
16) Acetone	3.99	43	1233	2.135	ug/l	89
20) Methylene Chloride	4.75	84	16806	8.194	ug/l	100
31) Cyclohexane	7.81	56	3631	1.036	ug/l #	4
36) 1,1-Dichloropropene	7.82	75	12794	4.620	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15153	6.229	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	61715	45.153	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61715	85.663	ug/l #	17

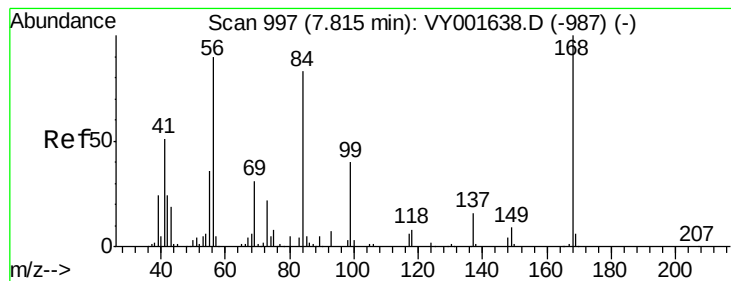
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001652.D

Acq: 17 Feb 2020 17:29

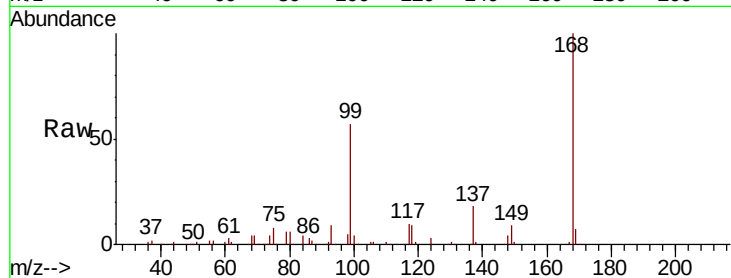
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 155146

Ion Ratio Lower Upper

168 100

99 57.1 47.5 71.3



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

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

60000

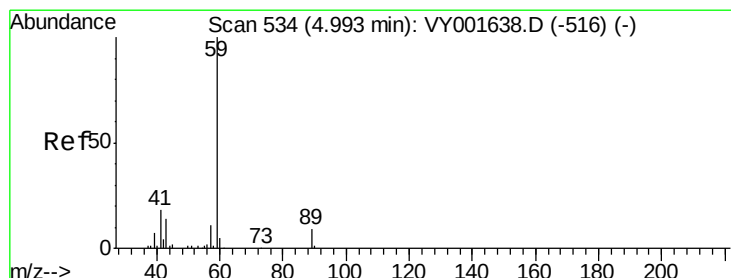
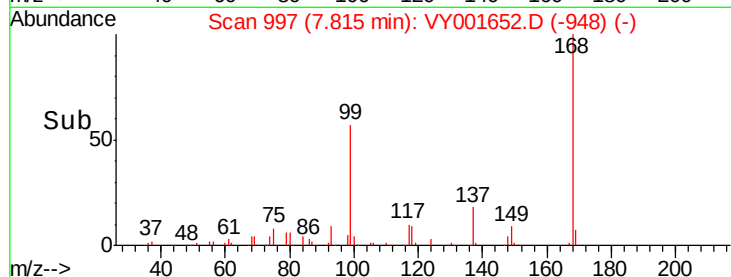
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001652.D

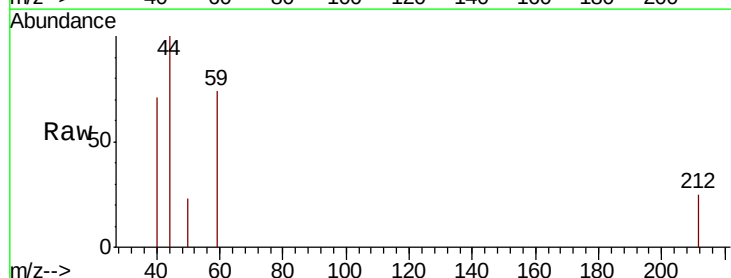
Acq: 17 Feb 2020 17:29

Tgt Ion: 59 Resp: 60

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) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

4.99

150

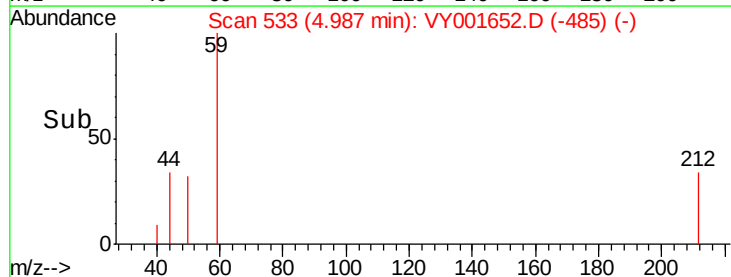
100

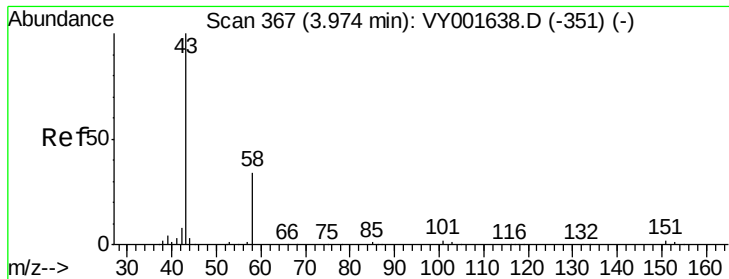
50

0

4.97 4.98 4.99 5.00

Time-->





#16

Acetone

Concen: 2.135 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001652.D

Acq: 17 Feb 2020 17:29

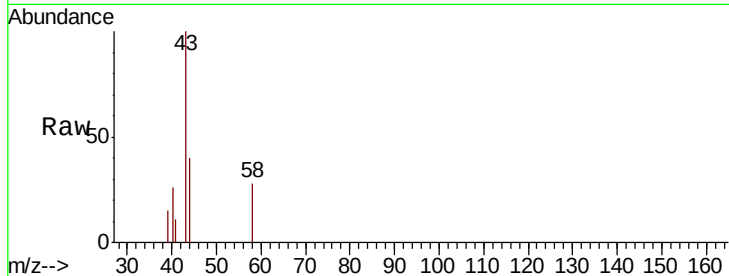
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1233

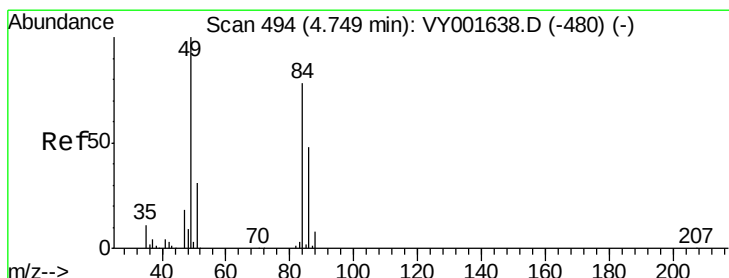
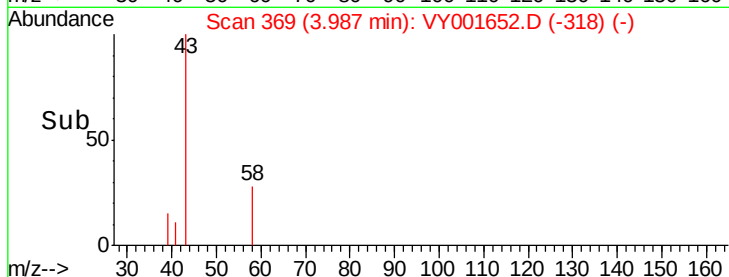
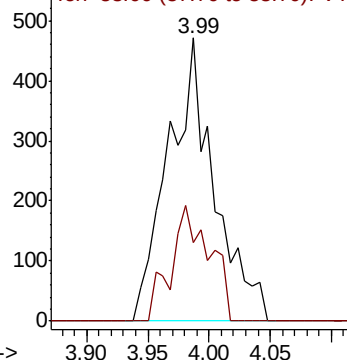
Ion Ratio Lower Upper

43 100

58 27.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 8.194 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001652.D

Acq: 17 Feb 2020 17:29

Tgt Ion: 84 Resp: 16806

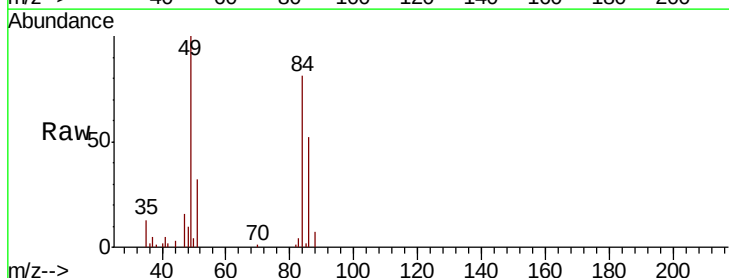
Ion Ratio Lower Upper

84 100

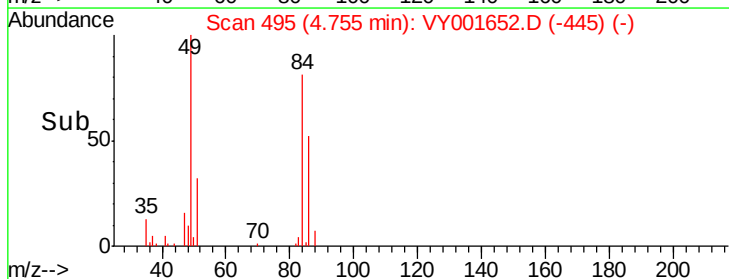
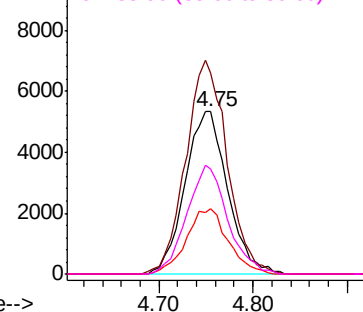
49 124.1 99.2 148.8

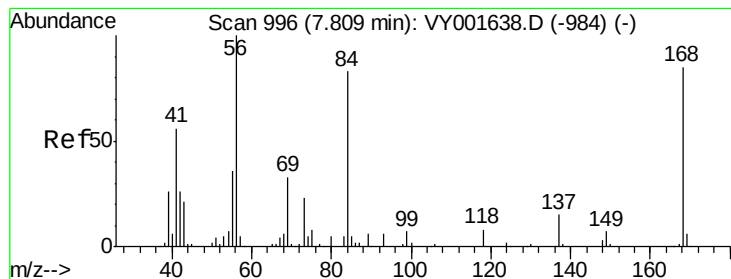
51 40.1 31.5 47.3

86 64.3 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





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001652.D

Acq: 17 Feb 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

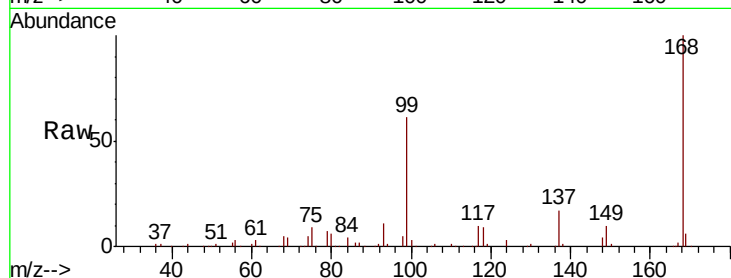
Tot Ion: 56 Resp: 3631

Ion Ratio Lower Upper

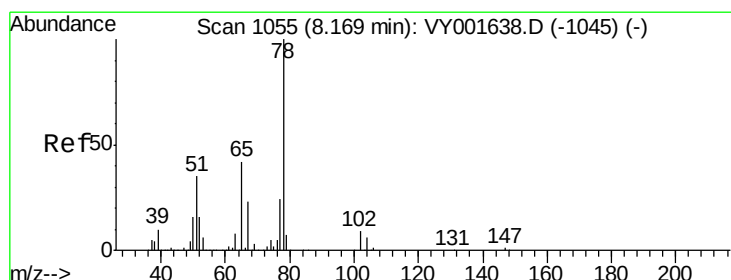
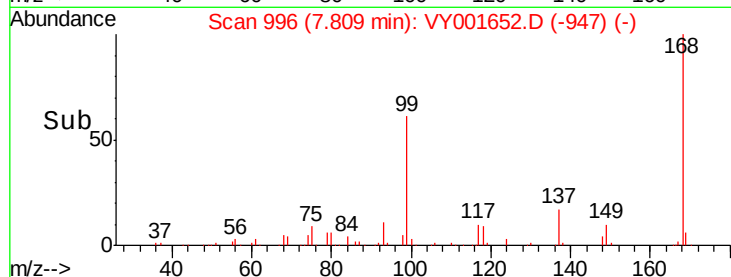
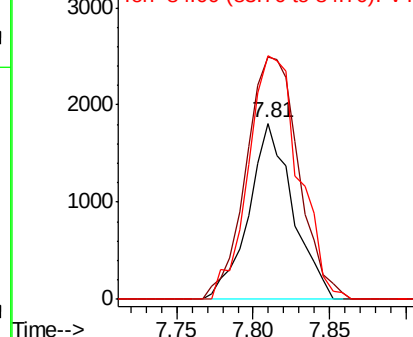
56 100

69 137.2 25.1 37.7#

84 138.2 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: 56.915 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001652.D

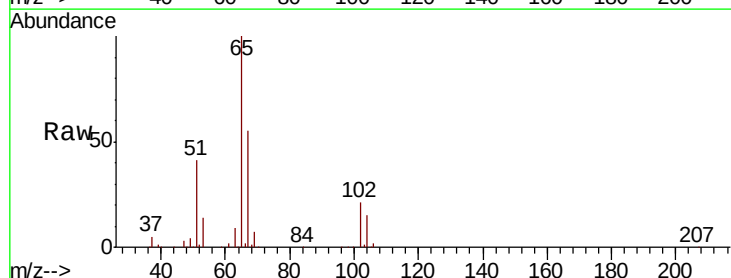
Acq: 17 Feb 2020 17:29

Tgt Ion: 65 Resp: 94981

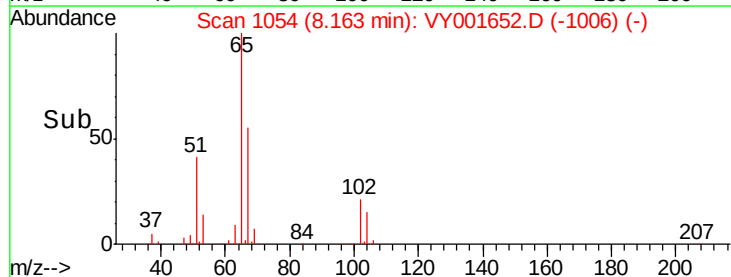
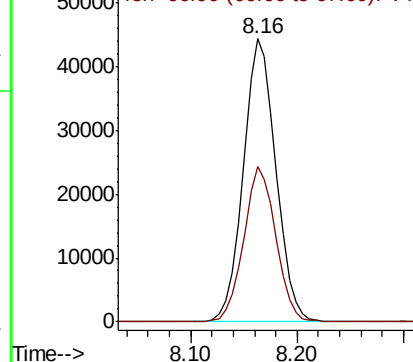
Ion Ratio Lower Upper

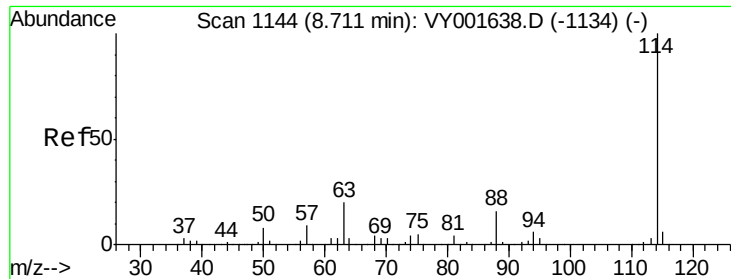
65 100

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

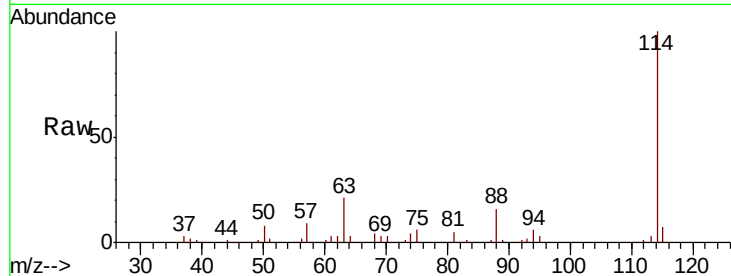




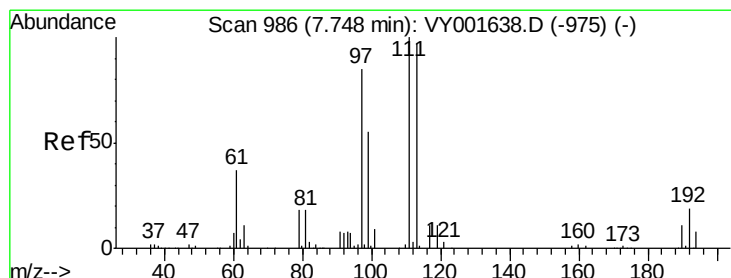
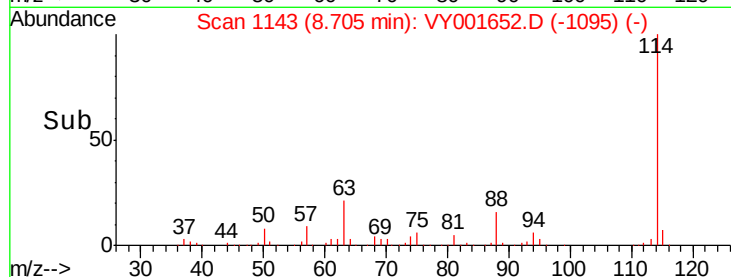
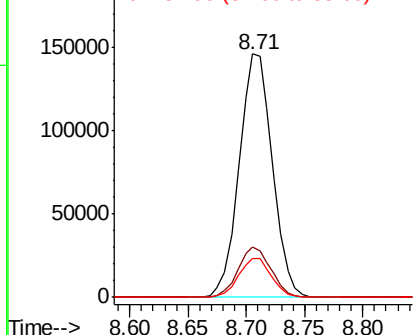
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001652.D
 Acq: 17 Feb 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	15.8	0.0	32.8

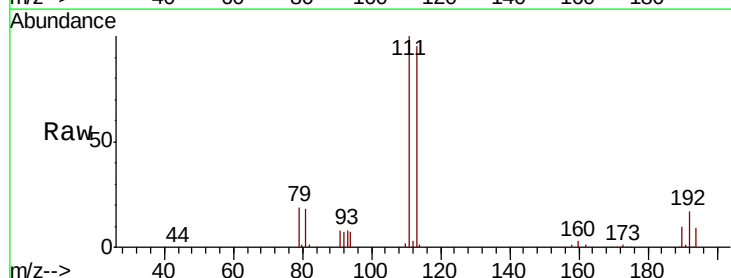


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

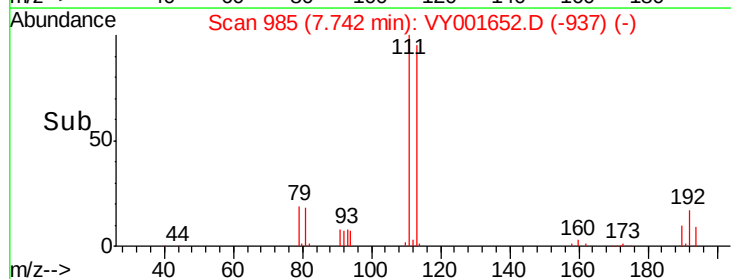
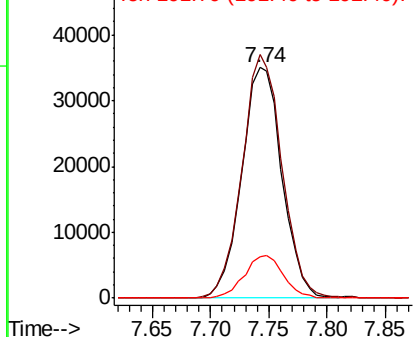


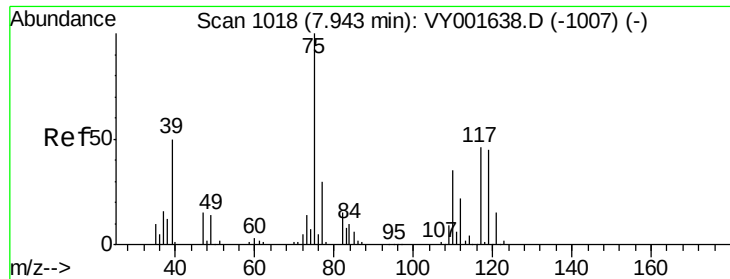
#35
 Dibromofluoromethane
 Concen: 50.812 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001652.D
 Acq: 17 Feb 2020 17:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	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

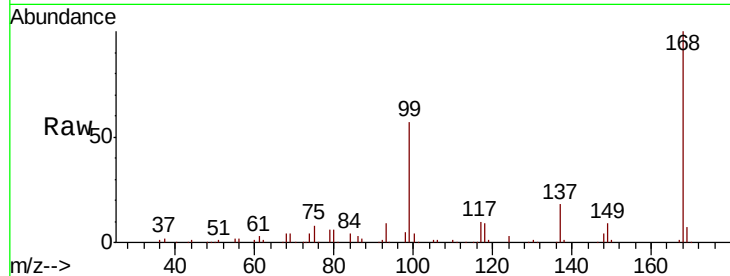




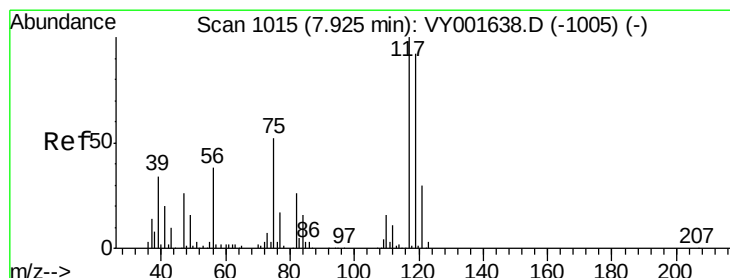
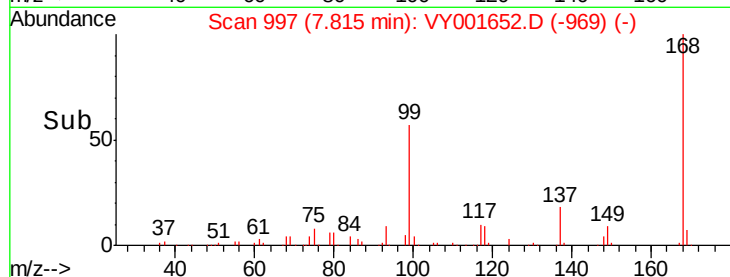
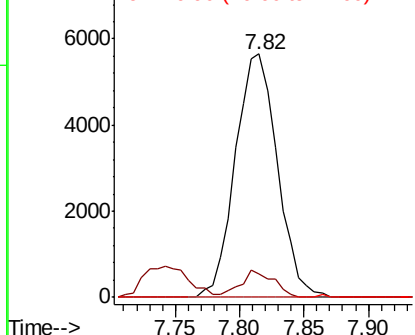
#36
 1,1-Dichloropropene
 Concen: 4.620 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001652.D
 Acq: 17 Feb 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	12794
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	17.2	51.6#
77	0.0	24.8	37.2#

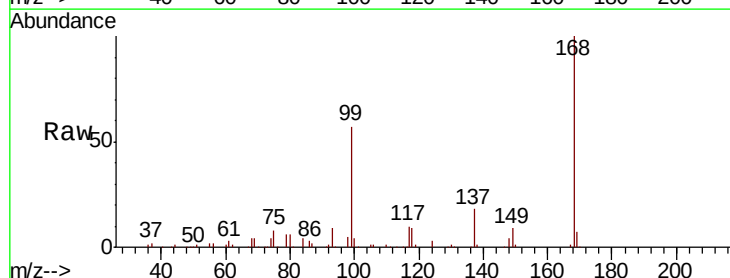


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

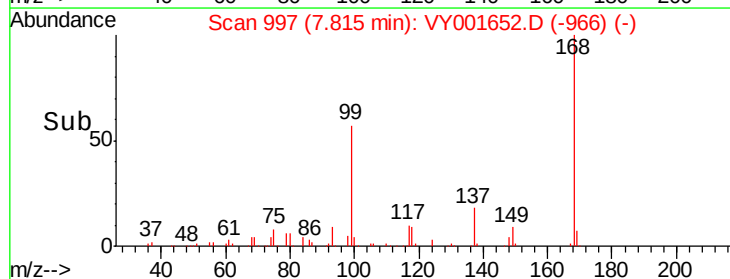
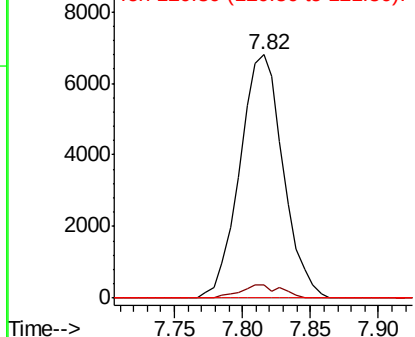


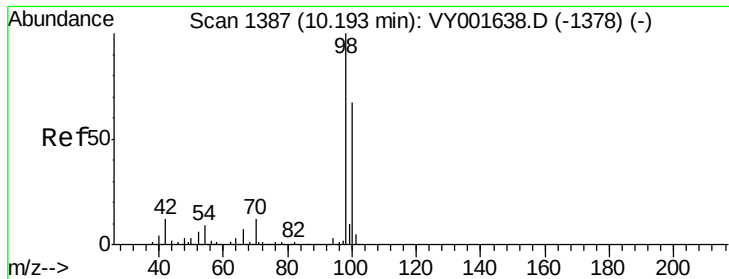
#38
 Carbon Tetrachloride
 Concen: 6.229 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001652.D
 Acq: 17 Feb 2020 17:29

Tgt Ion	117	Resp	15153
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 53.483 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001652.D

Acq: 17 Feb 2020 17:29

Instrument :

MSVOA_Y

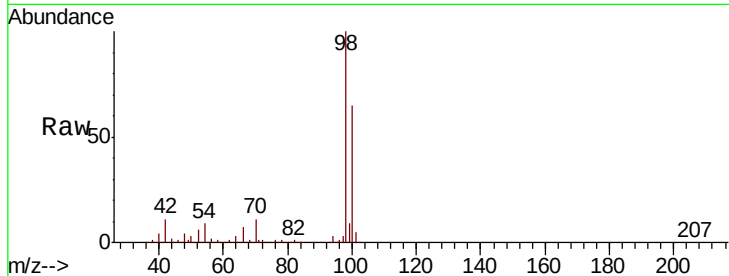
ClientSampleId :

Tot Ion: 98 Resp: 347963

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

200000

150000

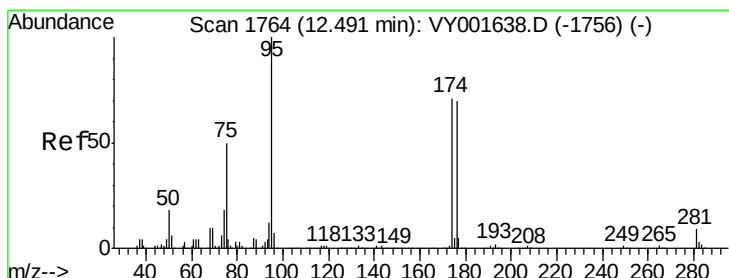
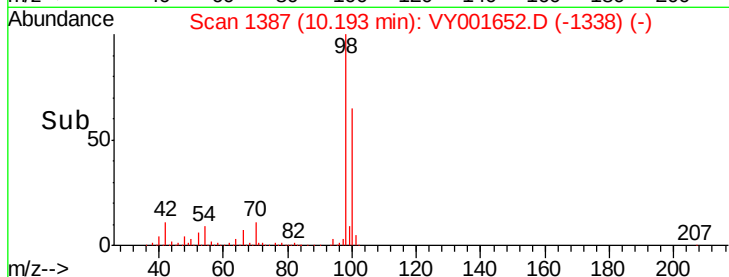
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 48.008 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001652.D

Acq: 17 Feb 2020 17:29

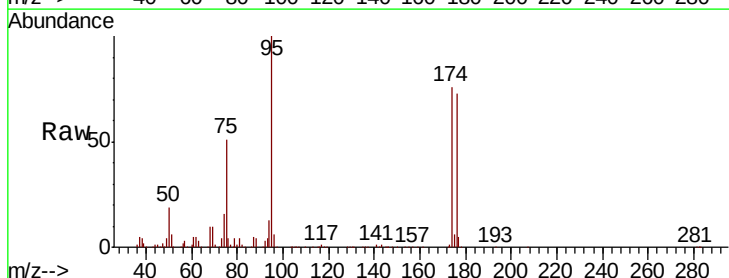
Tgt Ion: 95 Resp: 121341

Ion Ratio Lower Upper

95 100

174 74.8 0.0 138.4

176 70.4 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

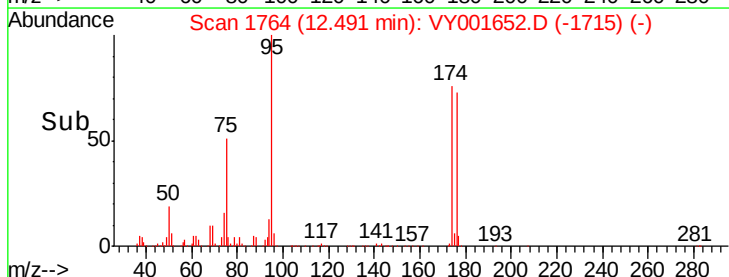
40000

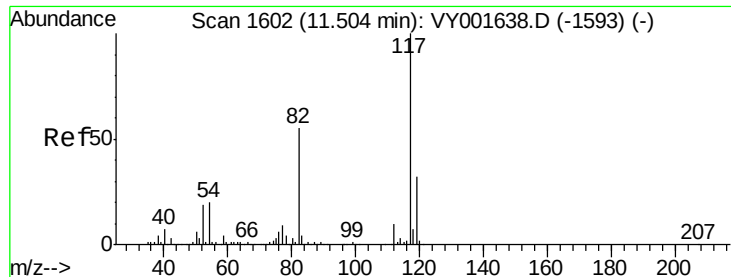
20000

0

Time-->

12.40 12.45 12.50 12.55

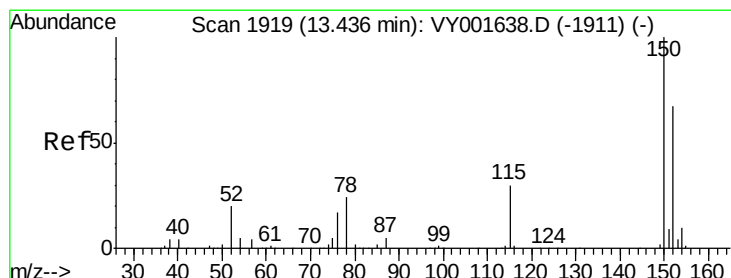
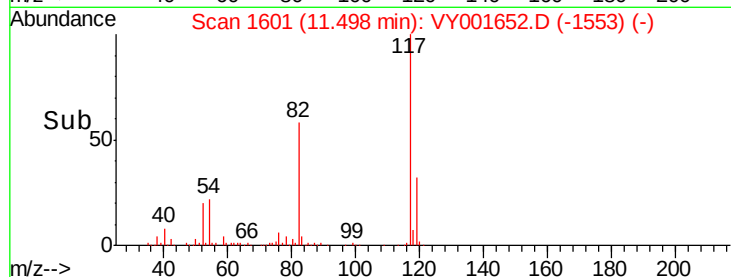
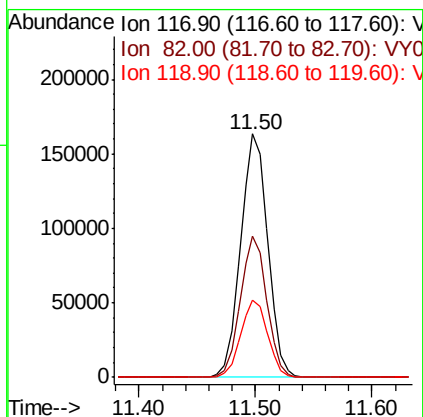
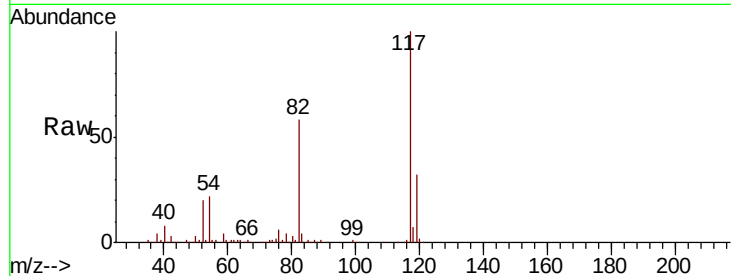




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001652.D
Acq: 17 Feb 2020 17:29

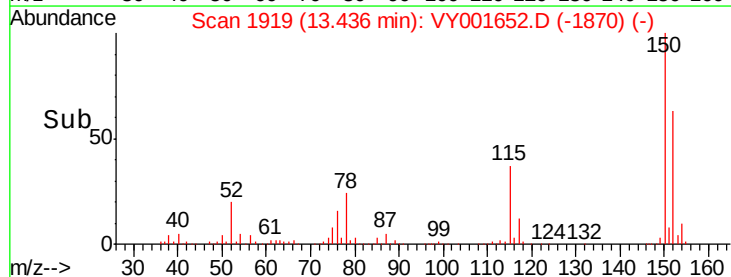
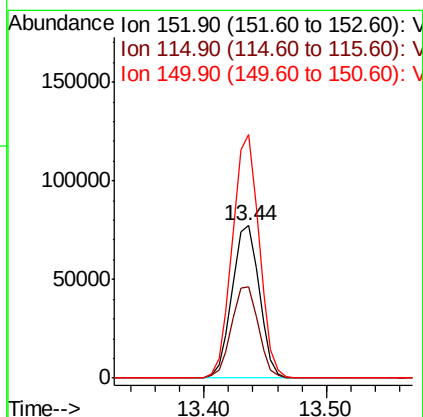
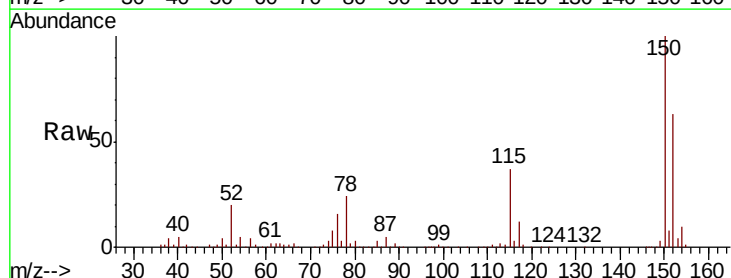
Instrument :
MSVOA_Y
ClientSampleId :

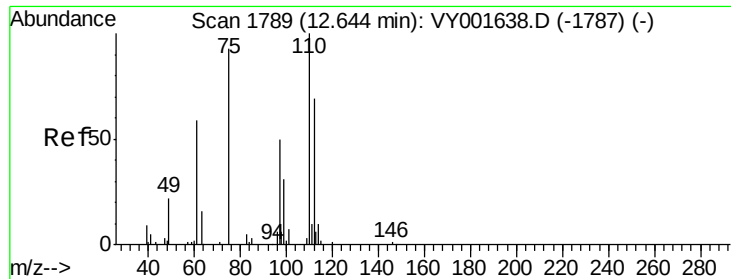
Tot Ion:117 Resp: 264942
Ion Ratio Lower Upper
117 100
82 58.1 45.5 68.3
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001652.D
Acq: 17 Feb 2020 17:29

Tgt Ion:152 Resp: 119149
Ion Ratio Lower Upper
152 100
115 59.4 31.4 94.2
150 156.0 0.0 407.2

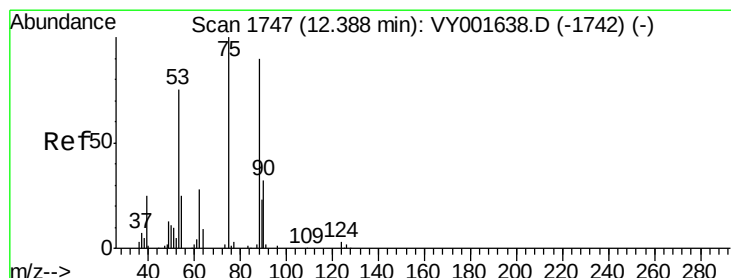
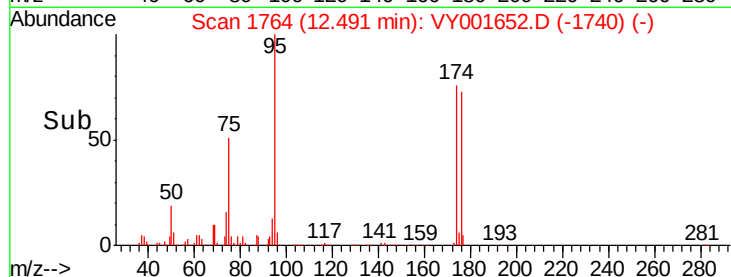
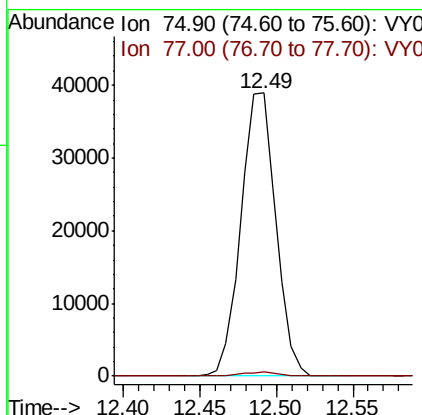
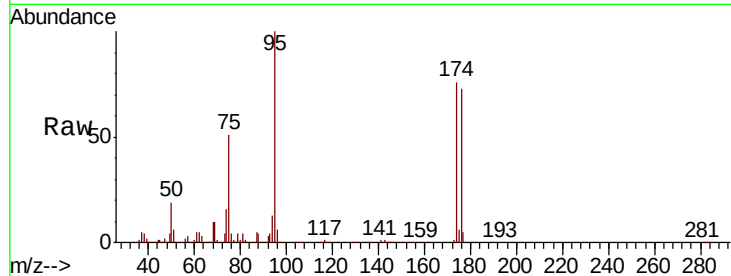




#76
 1,2,3-Trichloropropane
 Concen: 45.153 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001652.D
 Acq: 17 Feb 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 61715
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.663 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001652.D
 Acq: 17 Feb 2020 17:29

Tgt Ion: 75 Resp: 61715
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 36.3 54.5#

