

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002382.D
 Acq On : 16 Apr 2020 20:50
 Operator : SY/MD
 Sample : L2306-02
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

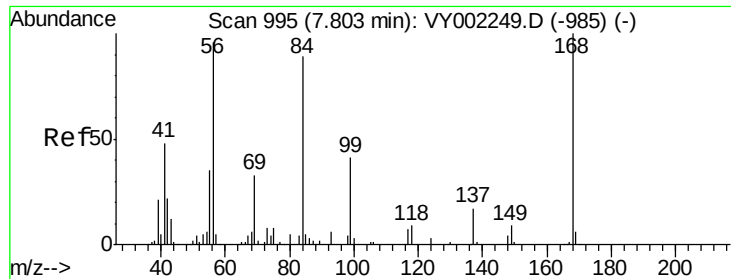
Quant Time: Apr 17 07:08:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	129876	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	260368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	243966	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	110250	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	71905	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.74	113	40848	26.37	ug/l	0.00
Spiked Amount			Recovery	=	52.74%	
50) Toluene-d8	10.19	98	314713	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.49	95	110155	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	2082	Below Cal	#	77
16) Acetone	3.97	43	8601	22.610	ug/l	90
20) Methylene Chloride	4.74	84	10468	5.599	ug/l #	79
25) 2-Butanone	7.00	43	20637	34.280	ug/l #	73
26) 2,2-Dichloropropane	7.00	77	32694	13.483	ug/l #	51
36) 1,1-Dichloropropene	7.81	75	10501	4.095	ug/l #	51
37) Ethyl Acetate	7.00	43	20637	14.086	ug/l #	1
38) Carbon Tetrachloride	7.82	117	12855	5.860	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	51772	40.439	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51772	78.654	ug/l #	19

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

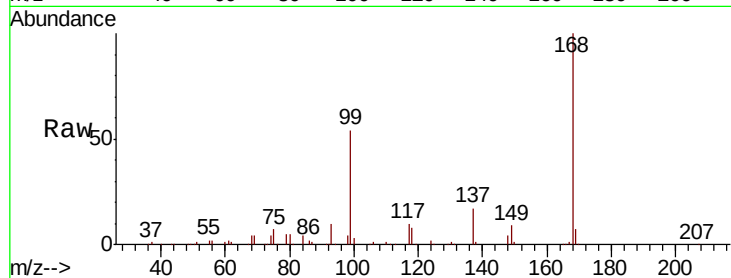
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 129876

Ion Ratio Lower Upper

168 100

99 53.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.82

60000

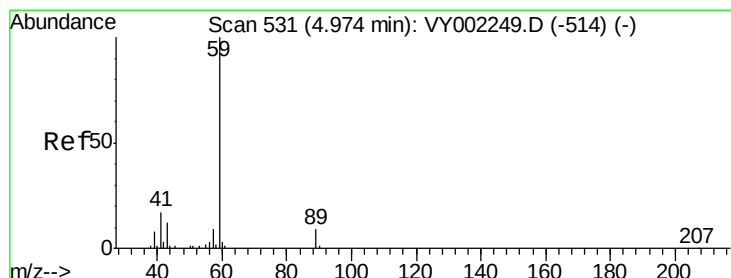
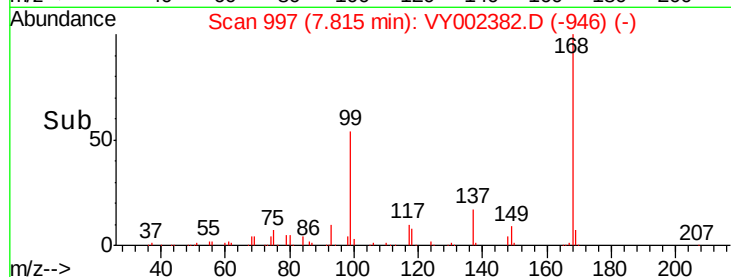
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002382.D

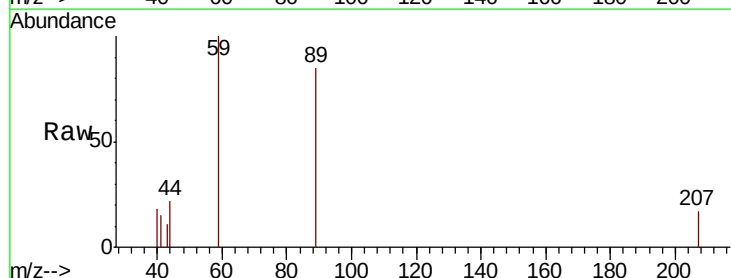
Acq: 16 Apr 2020 20:50

Tgt Ion: 59 Resp: 2082

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.96

800

600

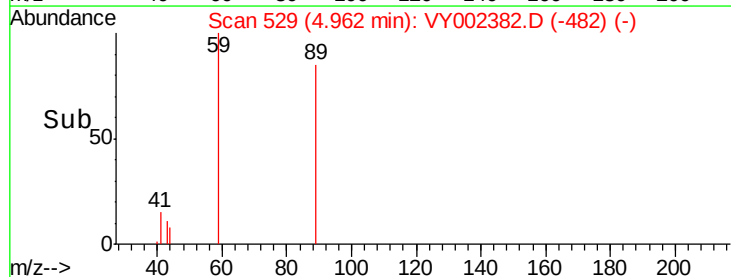
400

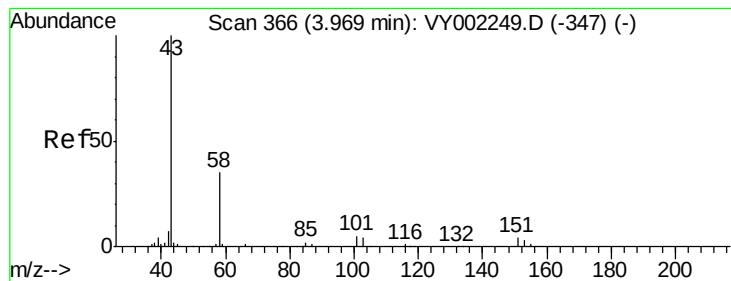
200

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 22.610 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

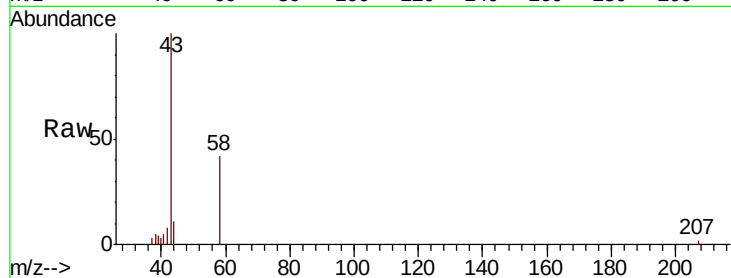
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 8601

Ion Ratio Lower Upper

43 100

58 41.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.97

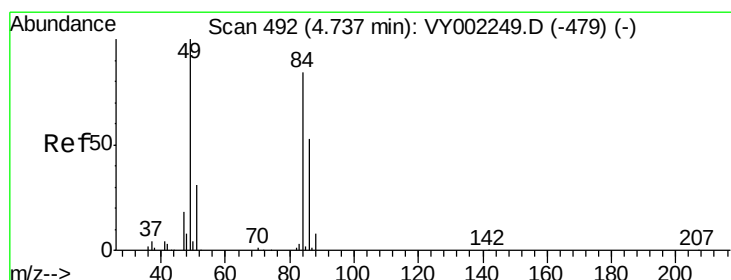
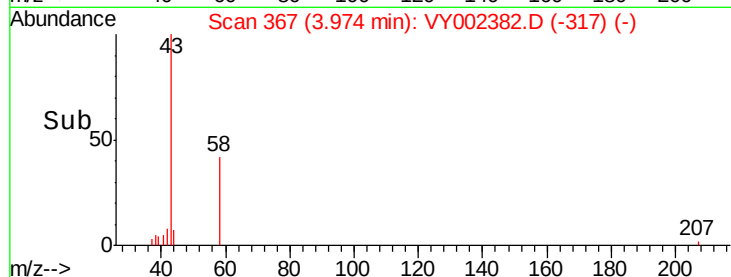
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 5.599 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

Tgt Ion: 84 Resp: 10468

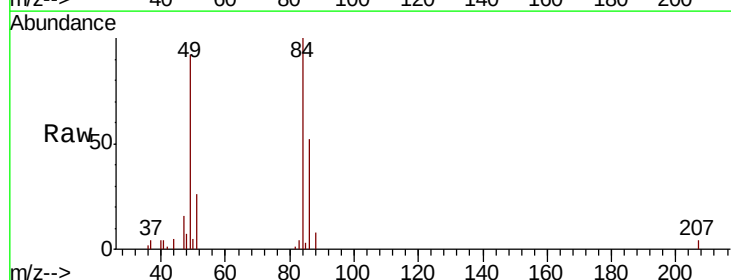
Ion Ratio Lower Upper

84 100

49 91.5 95.5 143.3#

51 26.4 29.5 44.3#

86 52.4 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)

4.74

6000

5000

4000

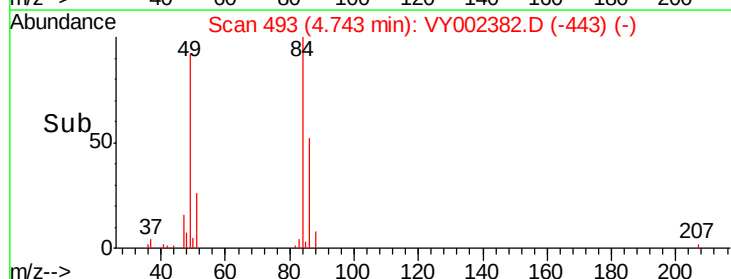
3000

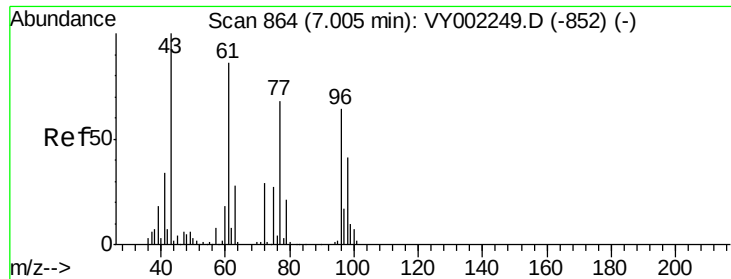
2000

1000

0

Time-->

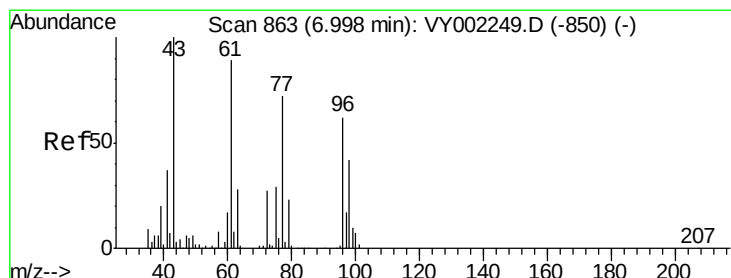
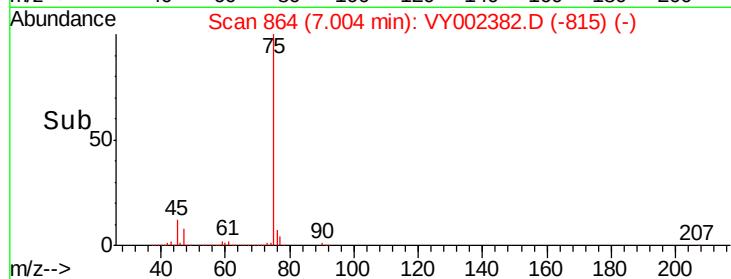
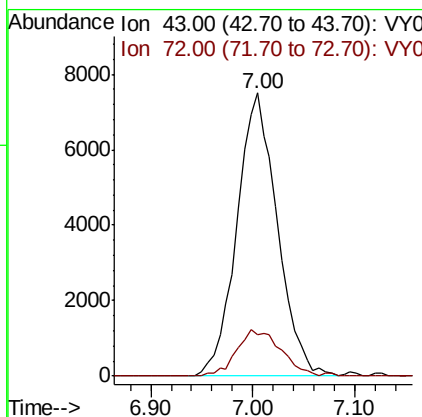
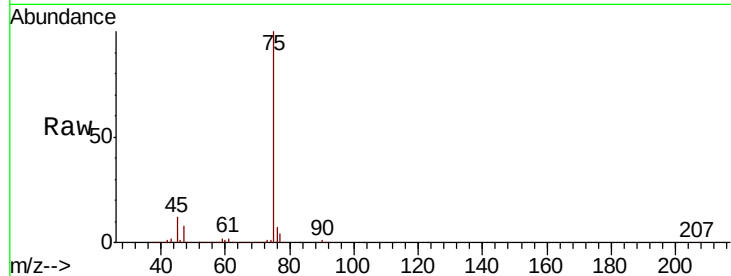




#25
2-Butanone
Concen: 34.280 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY002382.D
Acq: 16 Apr 2020 20:50

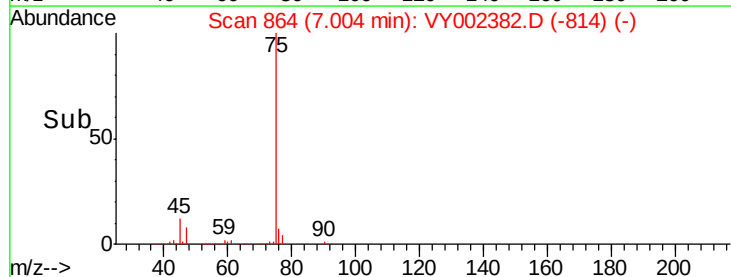
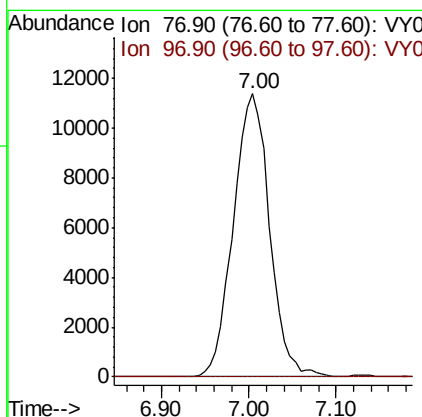
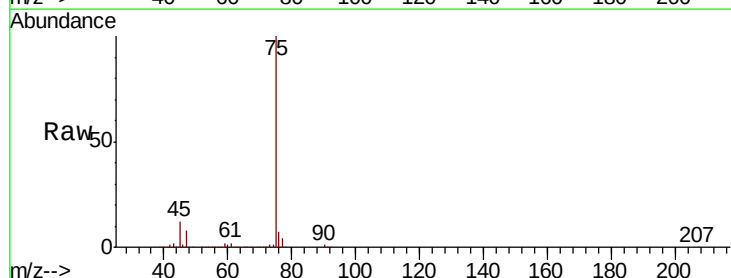
Instrument :
MSVOA_Y
ClientSampleId :

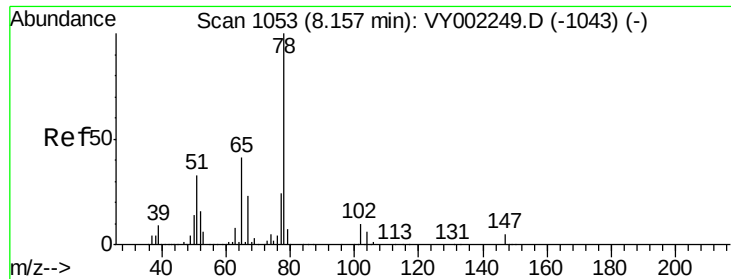
Tot Ion: 43 Resp: 20637
Ion Ratio Lower Upper
43 100
72 14.6 23.2 34.8#



#26
2,2-Dichloropropane
Concen: 13.483 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY002382.D
Acq: 16 Apr 2020 20:50

Tgt Ion: 77 Resp: 32694
Ion Ratio Lower Upper
77 100
97 0.0 12.2 36.6#

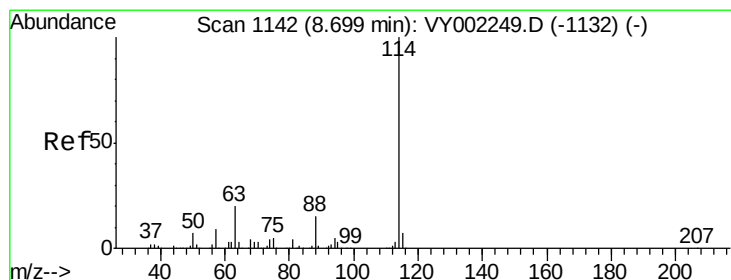
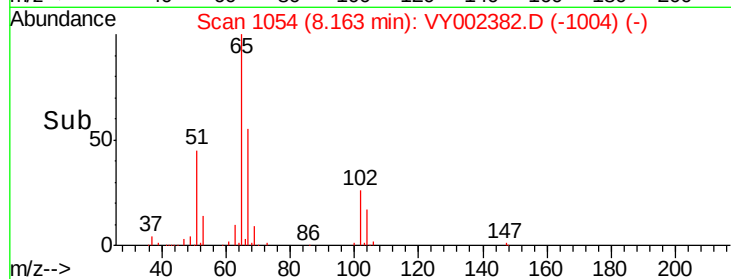
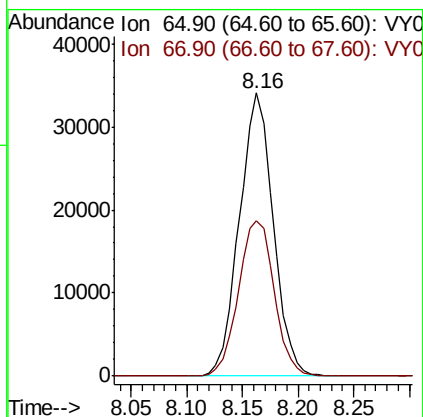
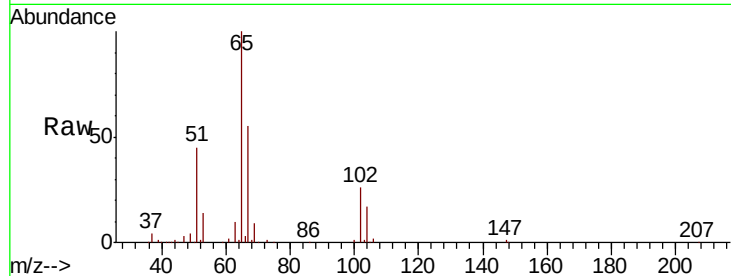




#33
 1,2-Dichloroethane-d4
 Concen: 49.785 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002382.D
 Acq: 16 Apr 2020 20:50

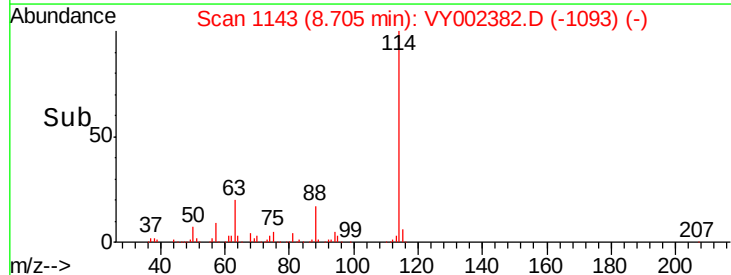
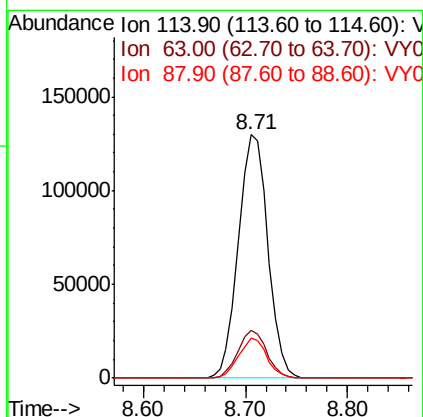
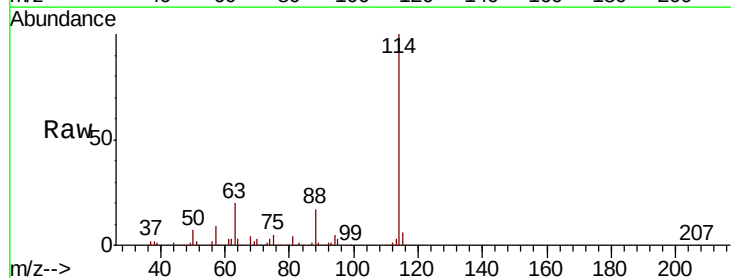
Instrument :
 MSVOA_Y
 ClientSampleId :

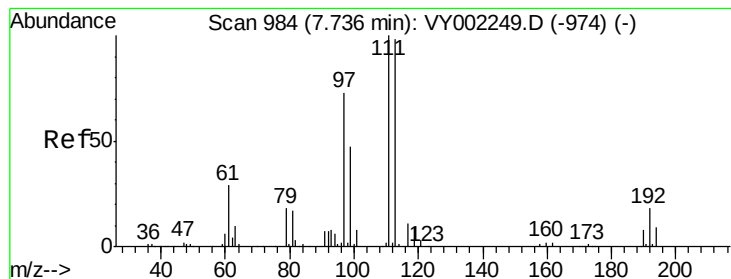
Tot Ion: 65 Resp: 71905
 Ion Ratio Lower Upper
 65 100
 67 58.1 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002382.D
 Acq: 16 Apr 2020 20:50

Tgt Ion: 114 Resp: 260368
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 16.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 26.366 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

Instrument :

MSVOA_Y

ClientSampleId :

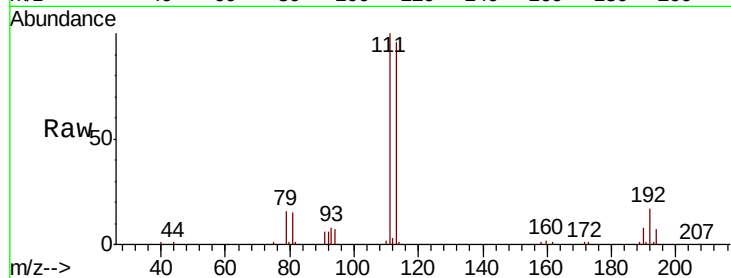
Tot Ion:113 Resp: 40848

Ion Ratio Lower Upper

113 100

111 102.0 83.5 125.3

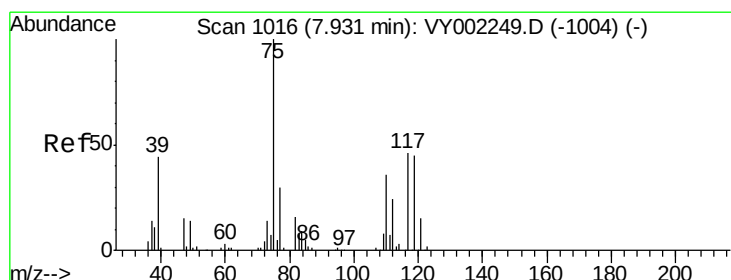
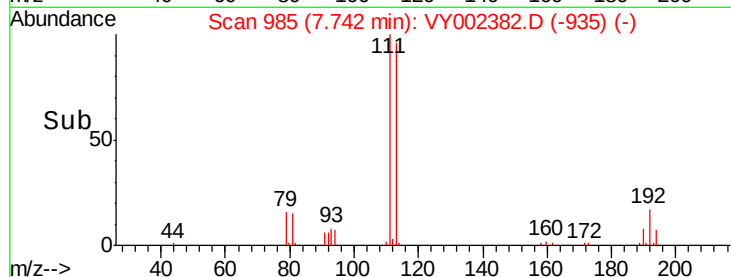
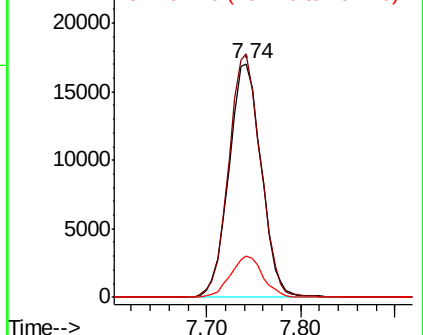
192 17.4 14.7 22.1



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: 4.095 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

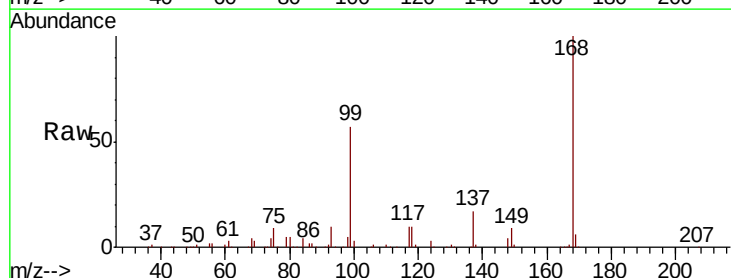
Tgt Ion: 75 Resp: 10501

Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.3#

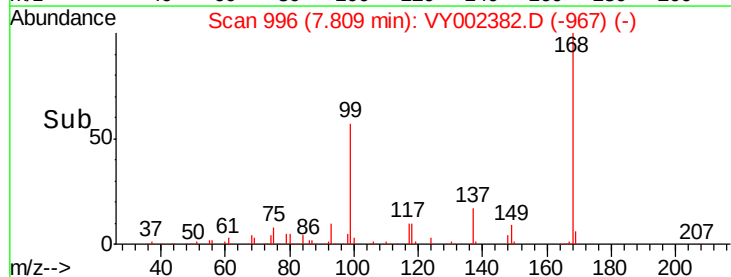
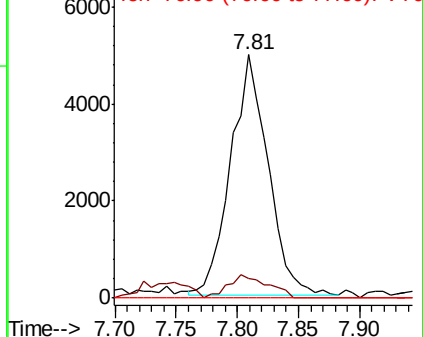
77 0.0 24.4 36.6#

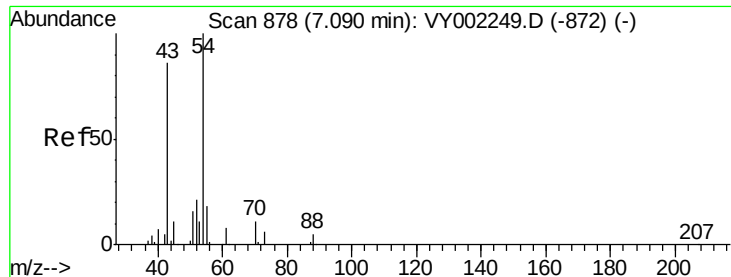


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

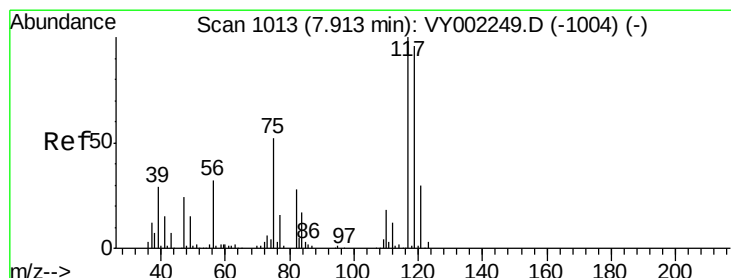
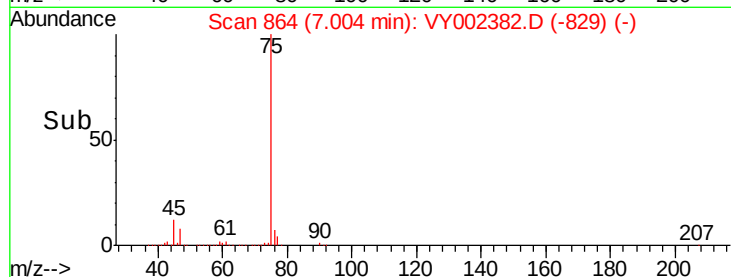
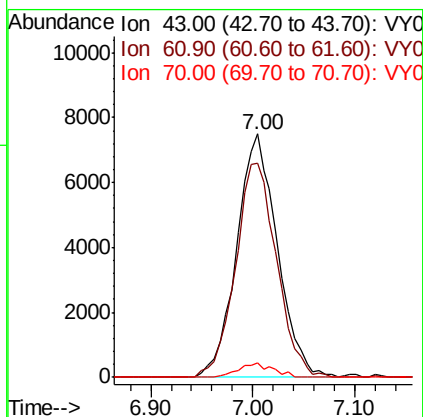
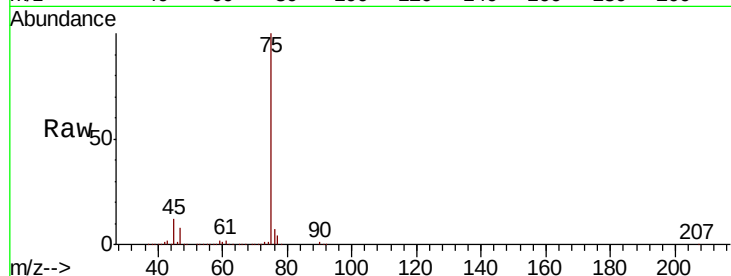




#37
Ethyl Acetate
Concen: 14.086 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY002382.D
Acq: 16 Apr 2020 20:50

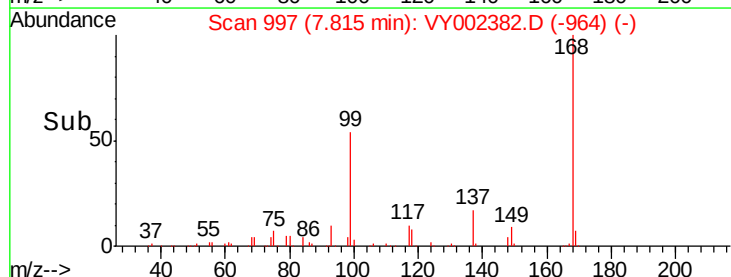
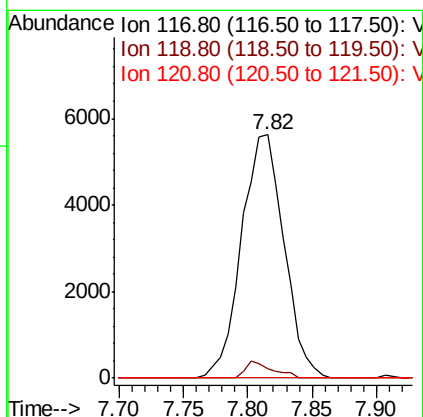
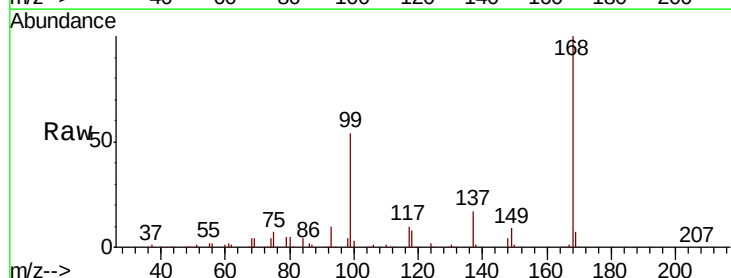
Instrument :
MSVOA_Y
ClientSampleId :

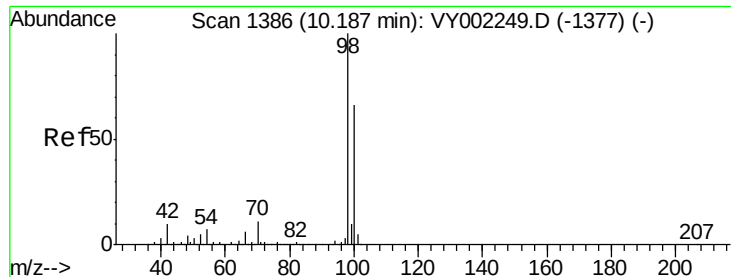
Tot Ion: 43 Resp: 20637
Ion Ratio Lower Upper
43 100
61 89.3 11.8 17.6#
70 4.9 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002382.D
Acq: 16 Apr 2020 20:50

Tgt Ion: 117 Resp: 12855
Ion Ratio Lower Upper
117 100
119 3.8 77.1 115.7#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.532 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

Instrument :

MSVOA_Y

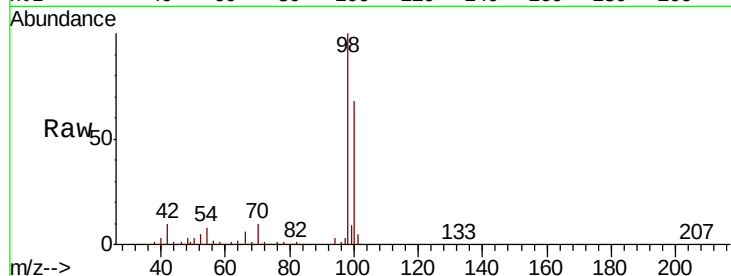
ClientSampleId :

Tot Ion: 98 Resp: 314713

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

200000

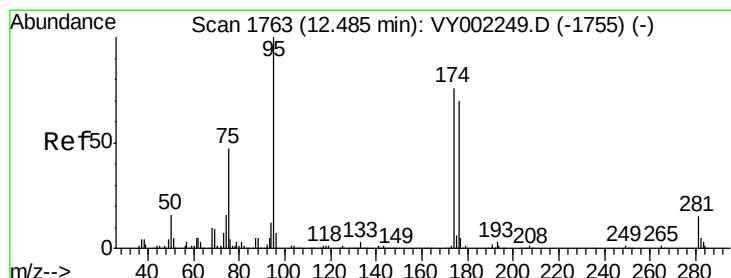
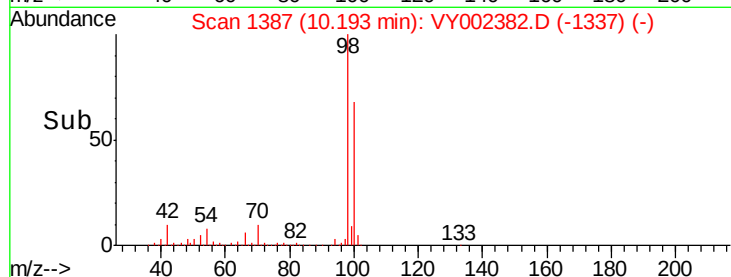
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.489 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

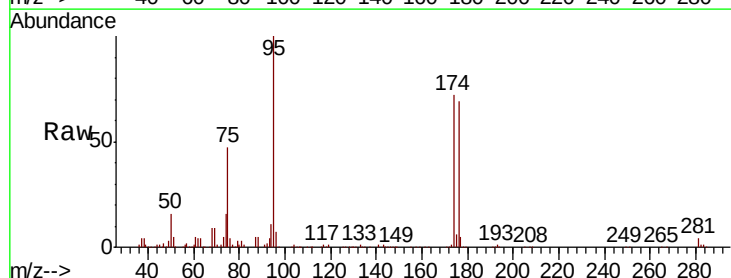
Tgt Ion: 95 Resp: 110155

Ion Ratio Lower Upper

95 100

174 72.6 0.0 150.6

176 70.9 0.0 141.4



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

12.49

80000

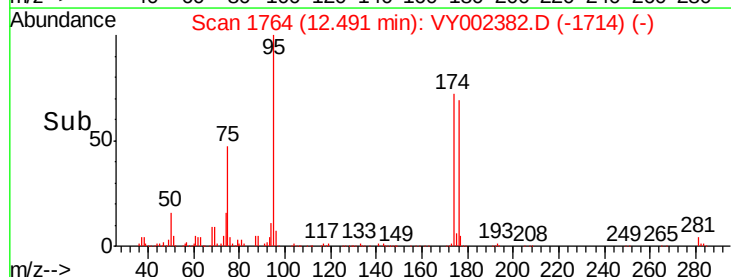
60000

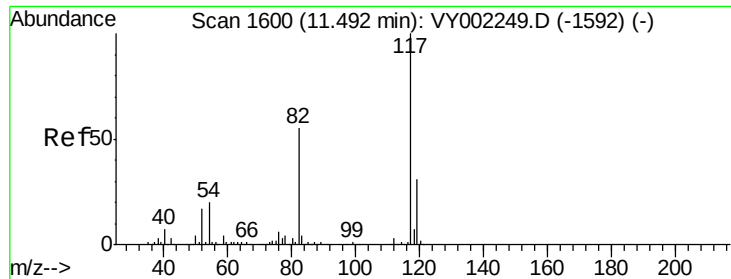
40000

20000

0

Time-->

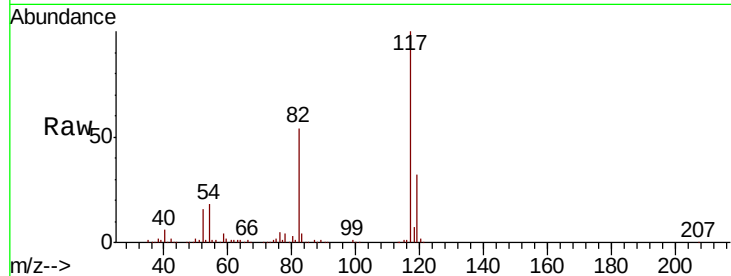




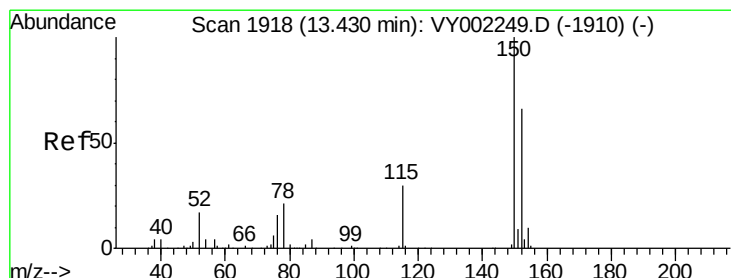
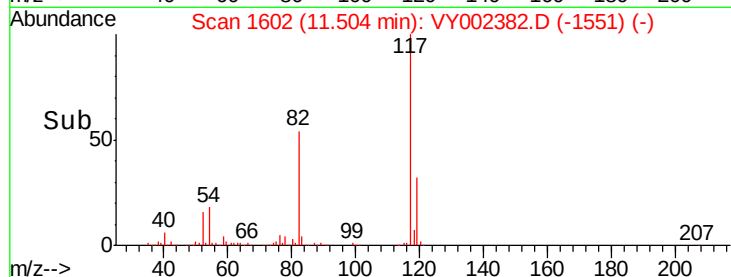
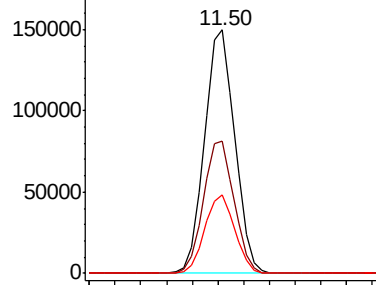
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002382.D
Acq: 16 Apr 2020 20:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 243966
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.4
119 32.3 25.1 37.7

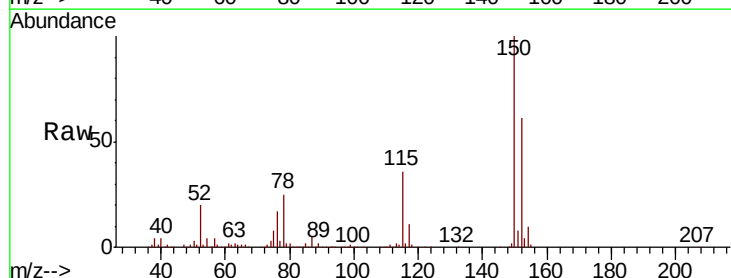


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

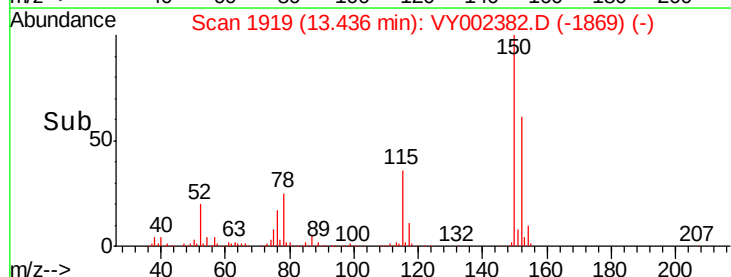
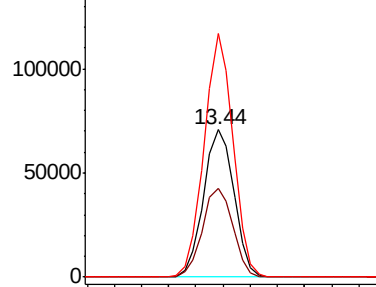


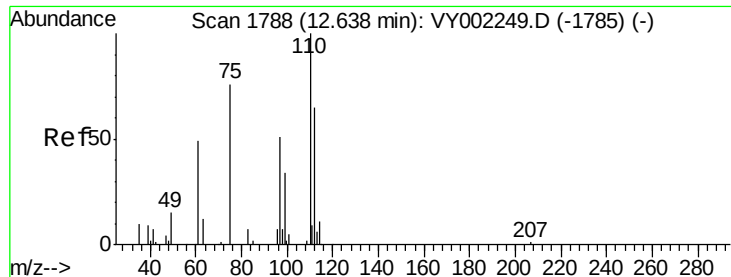
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002382.D
Acq: 16 Apr 2020 20:50

Tgt Ion:152 Resp: 110250
Ion Ratio Lower Upper
152 100
115 60.0 30.7 92.1
150 156.7 0.0 350.6



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: 40.439 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

Instrument :

MSVOA_Y

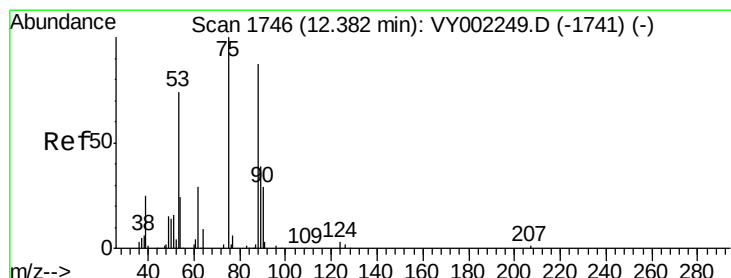
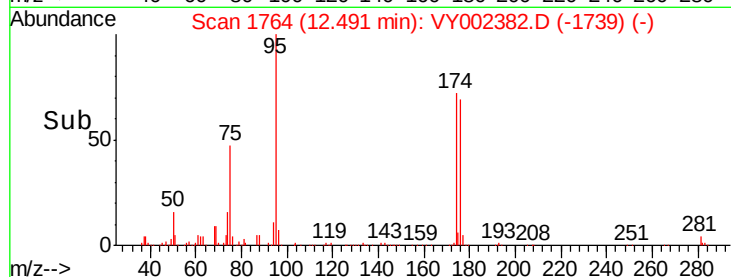
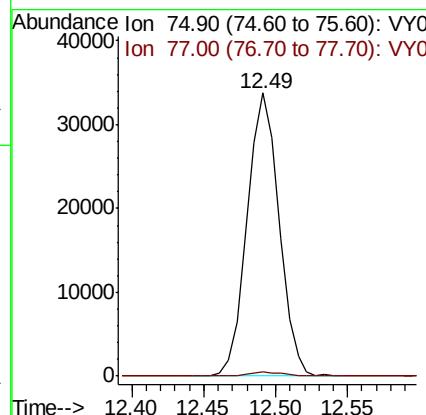
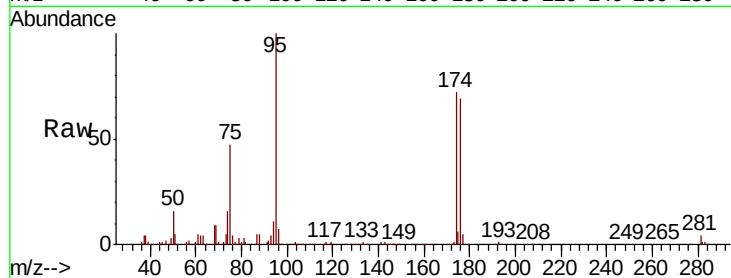
ClientSampleId :

Tot Ion: 75 Resp: 51772

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.654 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002382.D

Acq: 16 Apr 2020 20:50

Tgt Ion: 75 Resp: 51772

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#

