

Data File : VY002503.D
Acq On : 29 Apr 2020 12:32
Operator : SY/MD
Sample : L2436-01
Misc : 5.08G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HEALTH

Quant Time: Apr 30 04:14:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	264795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	412834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	372694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	185288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	134233	58.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.00%	
35) Dibromofluoromethane	7.74	113	123768	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.19	98	481501	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.49	95	152971	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

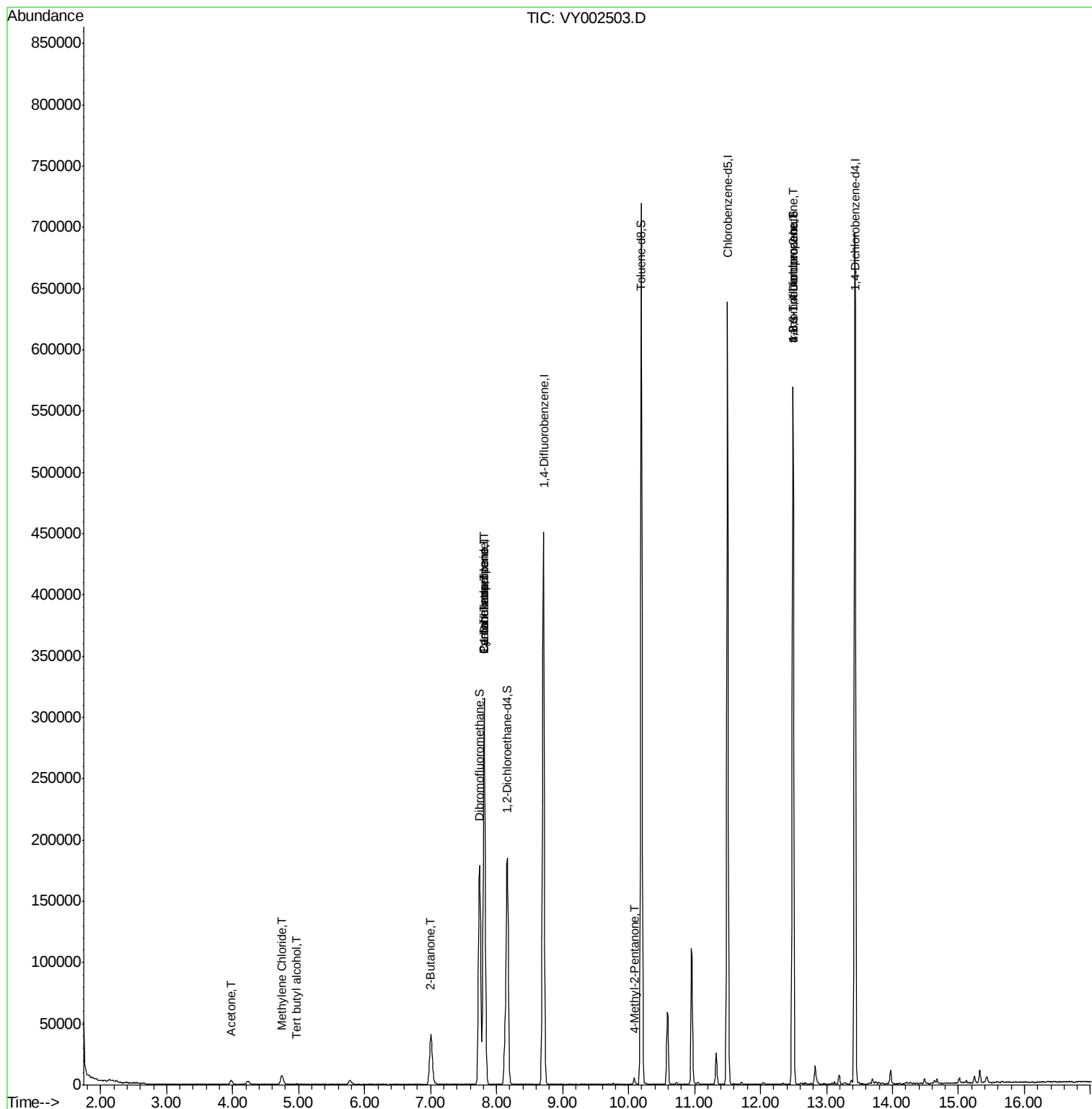
						Qvalue
11) Tert butyl alcohol	4.96	59	901	4.136	ug/l #	72
16) Acetone	3.97	43	5893	12.184	ug/l	92
20) Methylene Chloride	4.74	84	6096	2.208	ug/l #	82
25) 2-Butanone	7.00	43	2235	3.016	ug/l	89
31) Cyclohexane	7.81	56	4274	1.072	ug/l #	19
36) 1,1-Dichloropropene	7.81	75	16223	4.583	ug/l #	48
38) Carbon Tetrachloride	7.82	117	23940	5.881	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	3377	1.955	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	78081	49.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	78081	92.006	ug/l #	15

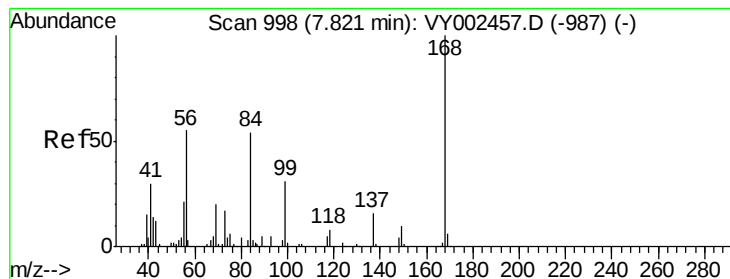
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

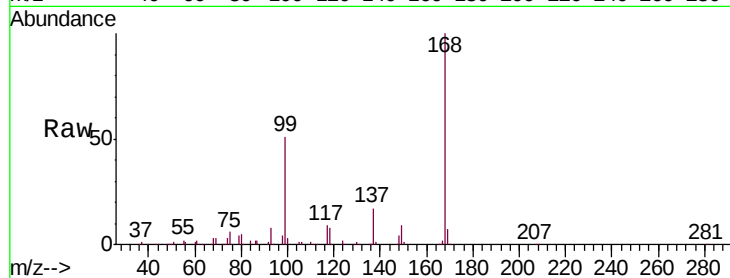
HEALTH

Tgt Ion:168 Resp: 264795

Ion Ratio Lower Upper

168 100

99 51.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

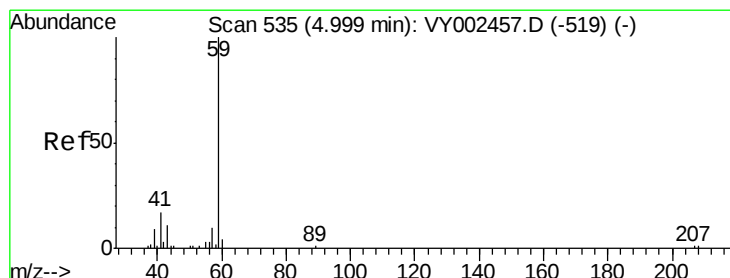
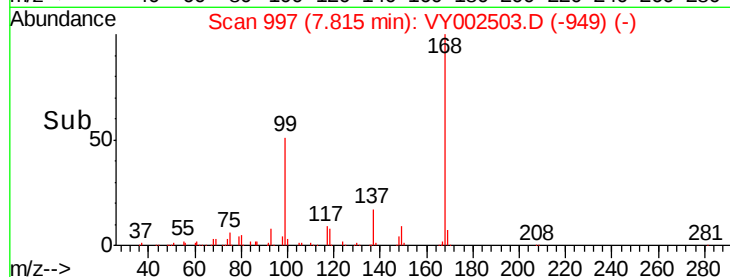
7.82

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.136 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.04 min

Lab File: VY002503.D

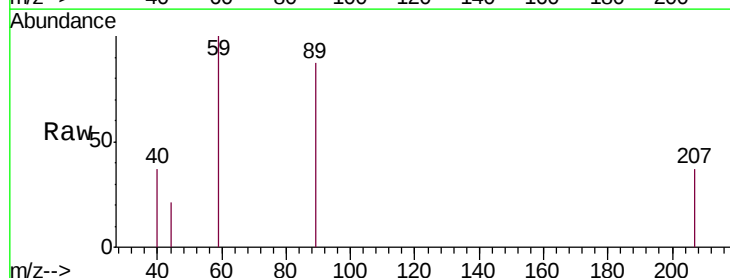
Acq: 29 Apr 2020 12:32

Tgt Ion: 59 Resp: 901

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002457.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VY002457.D (-519) (-)

4.96

500

400

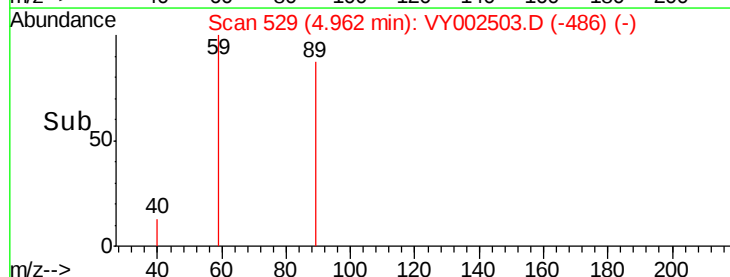
300

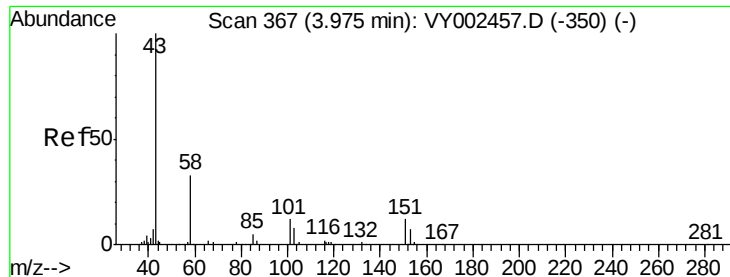
200

100

0

Time-->





#16

Acetone

Concen: 12.184 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

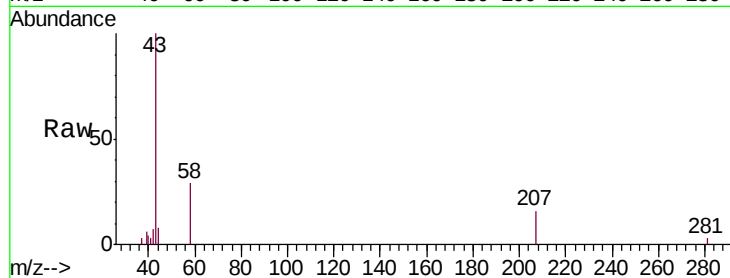
HEALTH

Tgt Ion: 43 Resp: 5893

Ion Ratio Lower Upper

43 100

58 28.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY002457.D (-350) (-)

2500

2000

1500

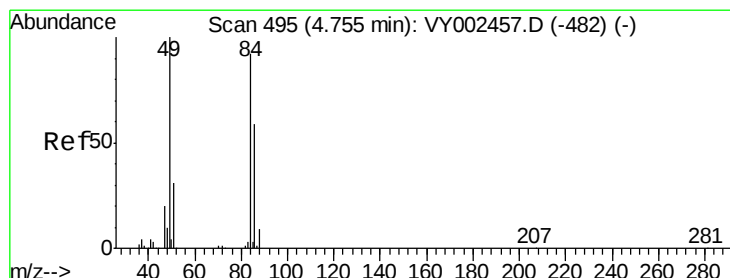
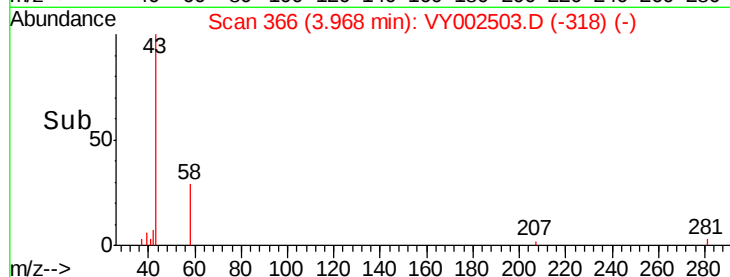
1000

500

0

3.90 3.95 4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: 2.208 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

Tgt Ion: 84 Resp: 6096

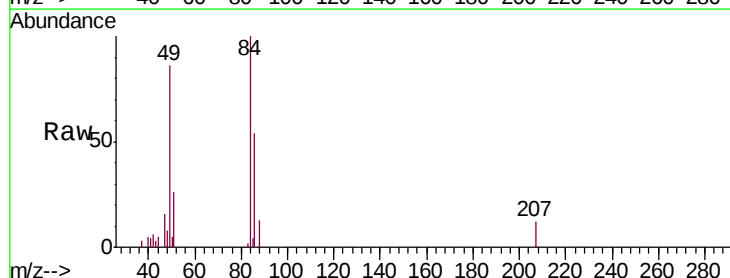
Ion Ratio Lower Upper

84 100

49 85.9 86.9 130.3#

51 26.2 27.3 40.9#

86 54.0 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY002457.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VY002457.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VY002457.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VY002457.D (-482) (-)

3000

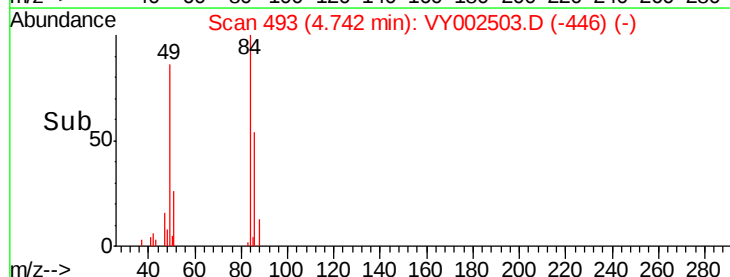
2000

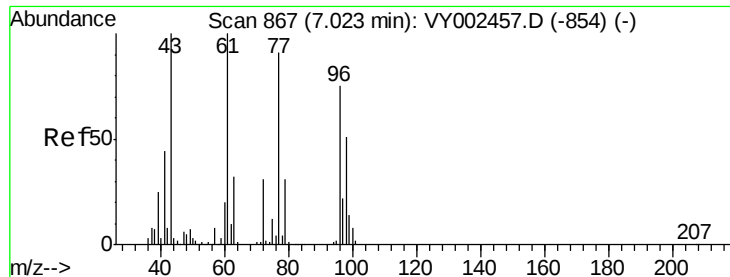
1000

0

4.65 4.70 4.75 4.80 4.85

Time-->





#25

2-Butanone

Concen: 3.016 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.02 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

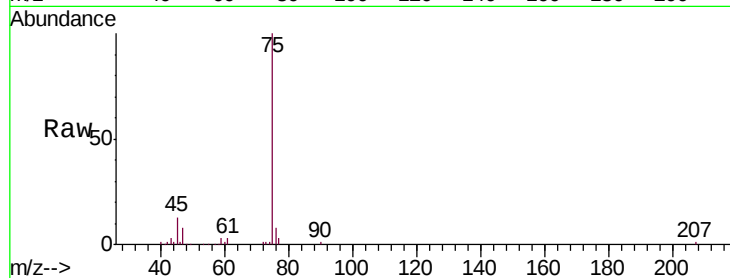
HEALTH

Tgt Ion: 43 Resp: 2235

Ion Ratio Lower Upper

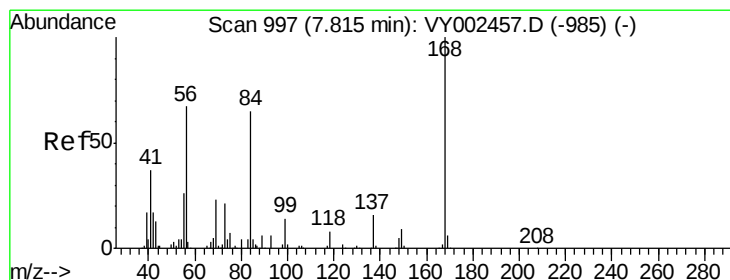
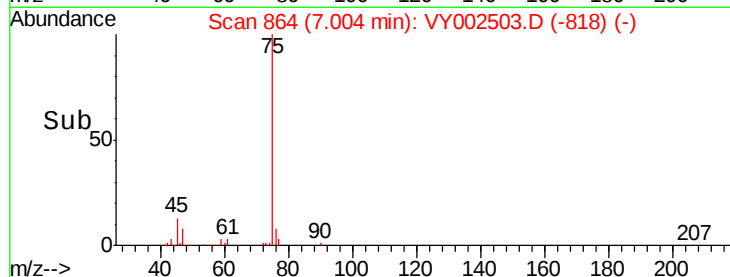
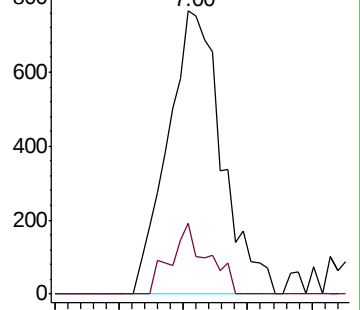
43 100

72 24.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

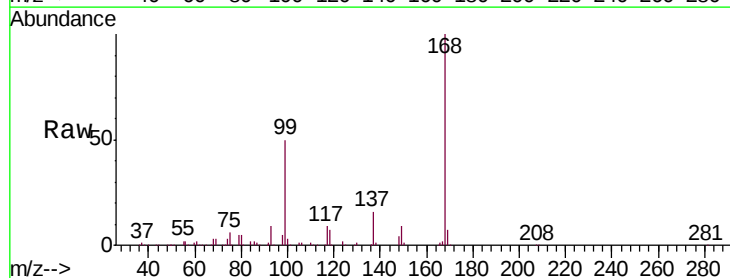
Tgt Ion: 56 Resp: 4274

Ion Ratio Lower Upper

56 100

69 152.3 27.0 40.6#

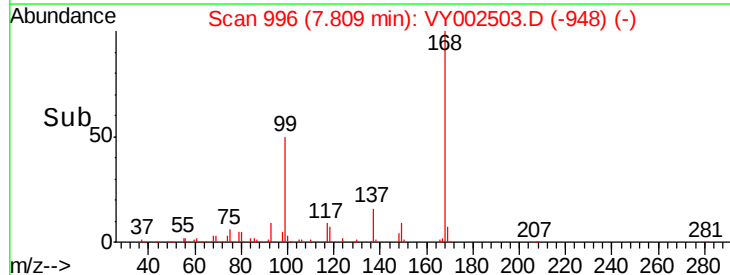
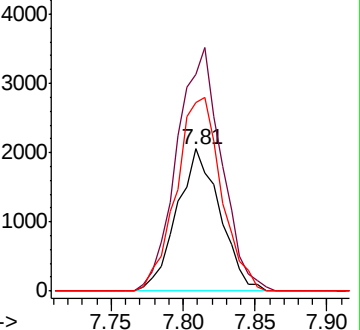
84 132.8 77.4 116.2#

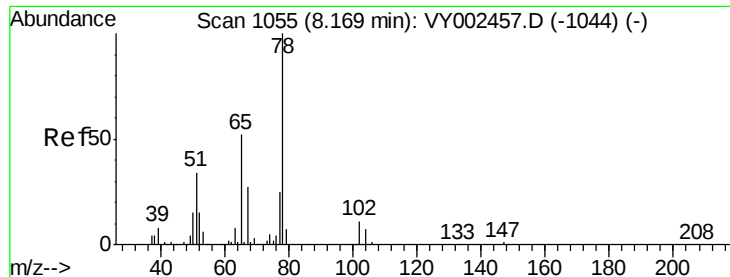


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 57.999 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

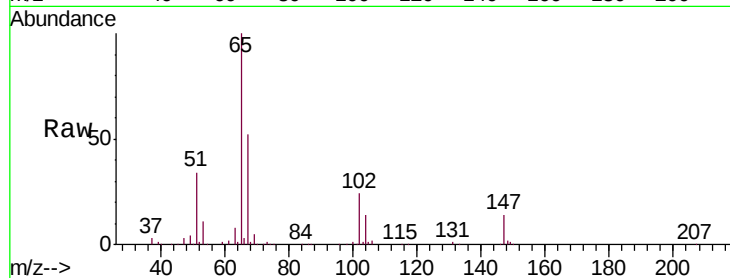
HEALTH

Tgt Ion: 65 Resp: 134233

Ion Ratio Lower Upper

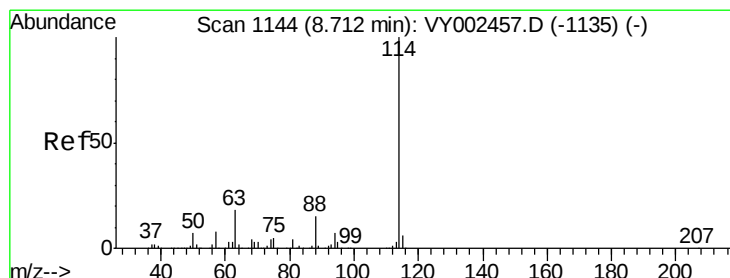
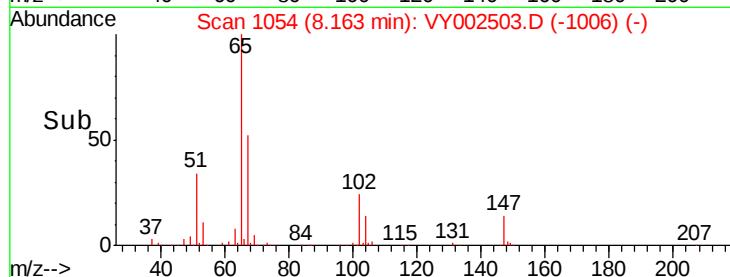
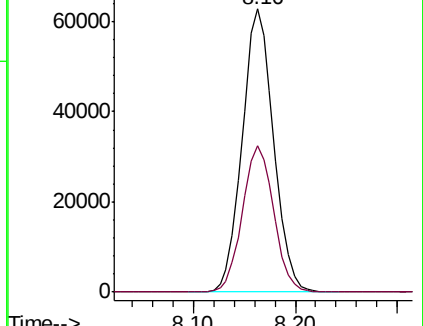
65 100

67 51.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VY002457.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY002457.D (-1044) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

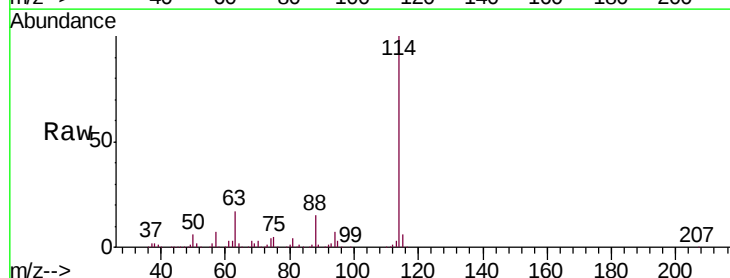
Tgt Ion: 114 Resp: 412834

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

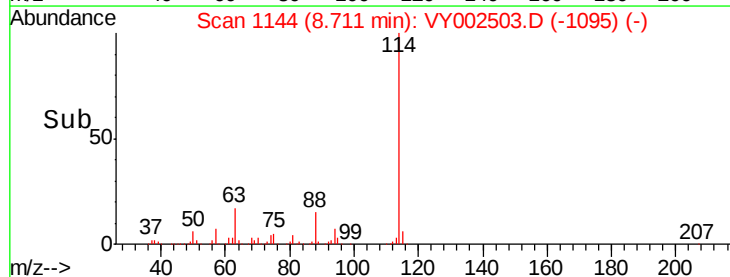
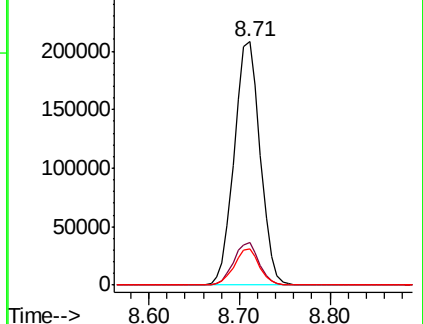
88 14.7 0.0 29.4

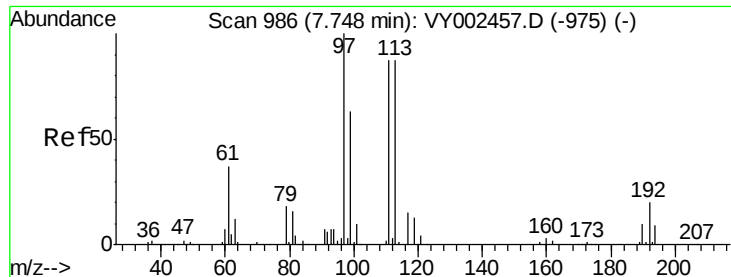


Abundance Ion 113.90 (113.60 to 114.60): VY002457.D (-1135) (-)

Ion 63.00 (62.70 to 63.70): VY002457.D (-1135) (-)

Ion 87.90 (87.60 to 88.60): VY002457.D (-1135) (-)

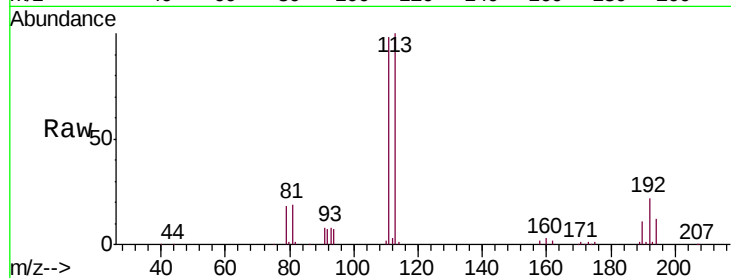




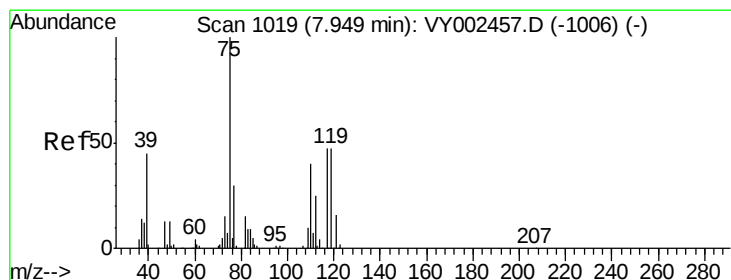
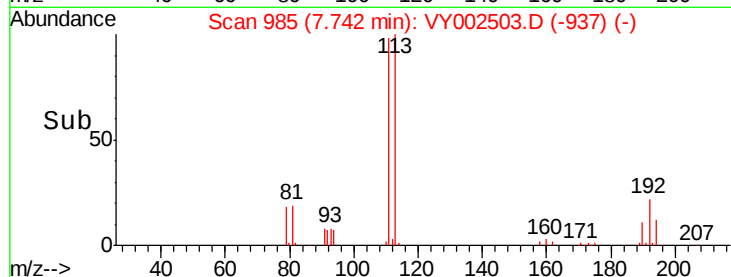
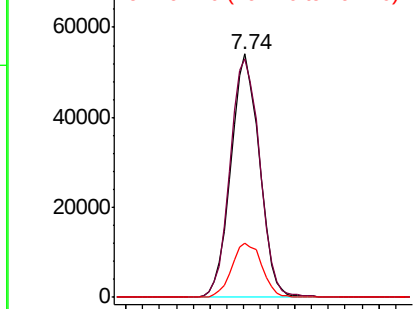
#35
 Dibromofluoromethane
 Concen: 53.151 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002503.D
 Acq: 29 Apr 2020 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 HEALTH

Tgt Ion:113 Resp: 123768
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.0 121.4
 192 23.5 18.6 27.8

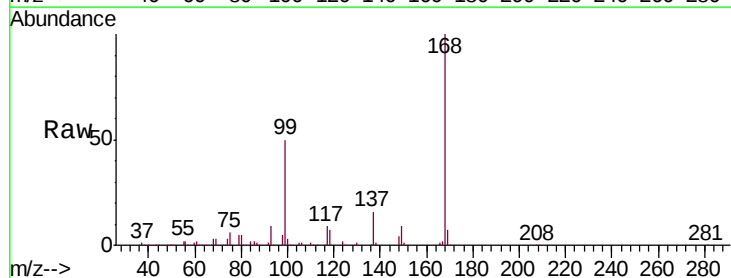


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

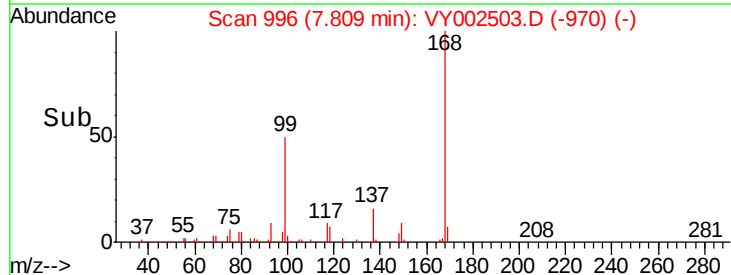
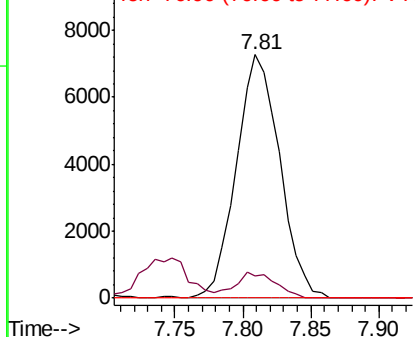


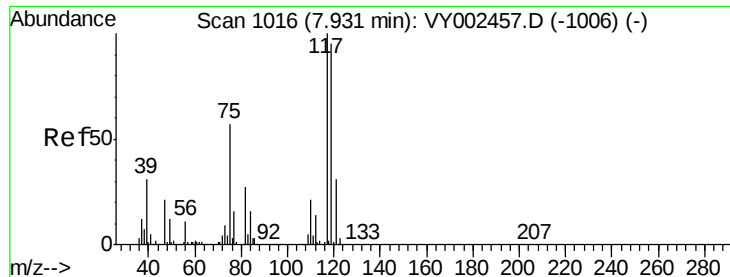
#36
 1,1-Dichloropropene
 Concen: 4.583 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.14 min
 Lab File: VY002503.D
 Acq: 29 Apr 2020 12:32

Tgt Ion: 75 Resp: 16223
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.4 58.4#
 77 0.0 24.7 37.1#



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

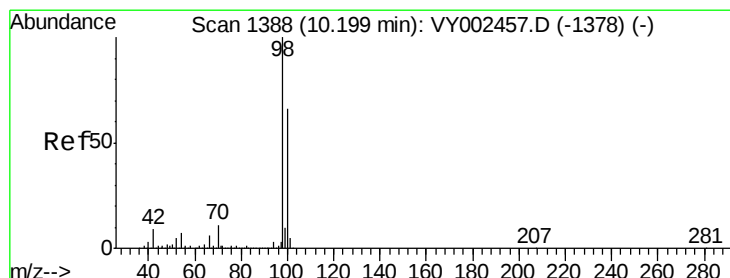
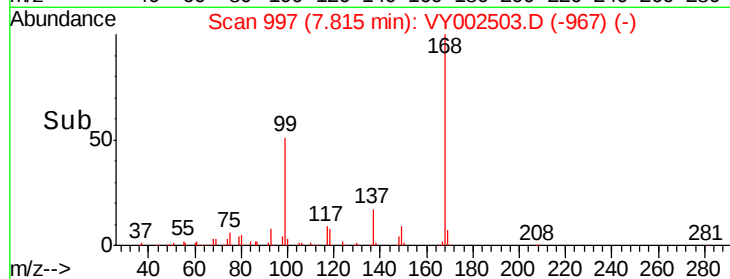
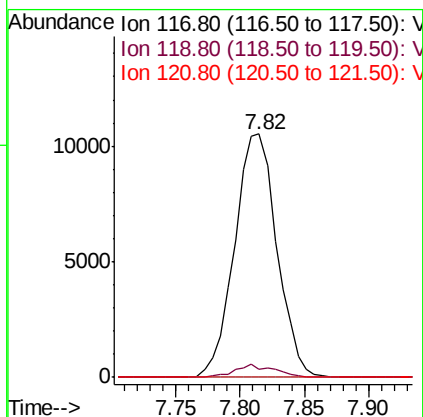
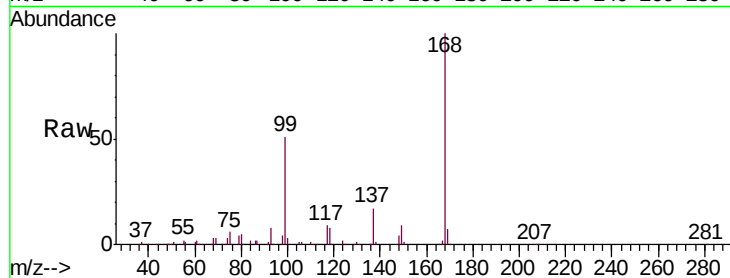




#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.12 min
Lab File: VY002503.D
Acq: 29 Apr 2020 12:32

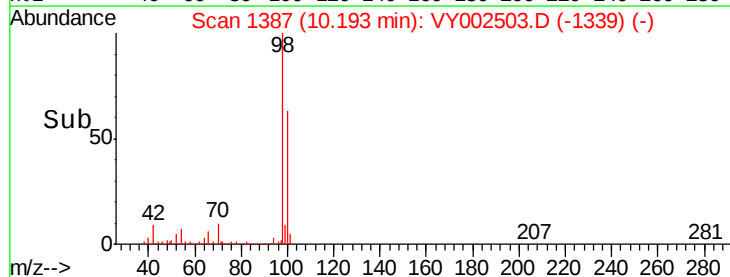
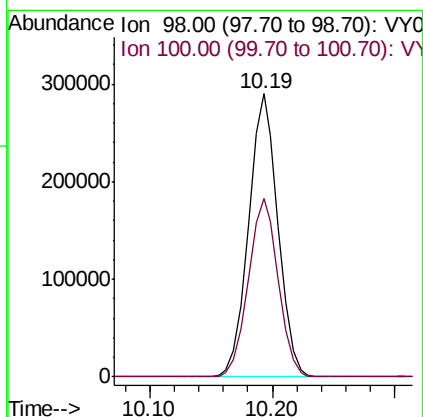
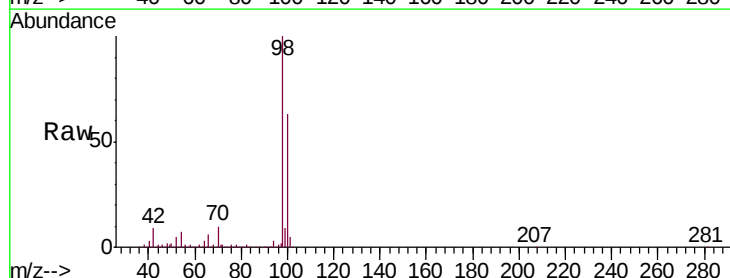
Instrument :
MSVOA_Y
ClientSampled :
HEALTH

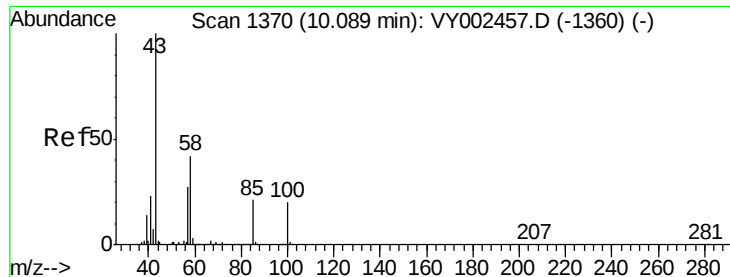
Tgt Ion:117 Resp: 23940
Ion Ratio Lower Upper
117 100
119 3.5 75.9 113.9#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.447 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002503.D
Acq: 29 Apr 2020 12:32

Tgt Ion: 98 Resp: 481501
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

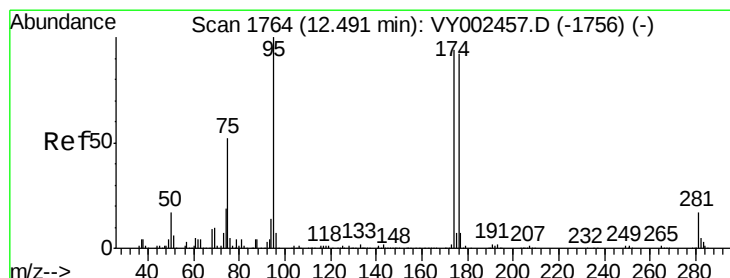
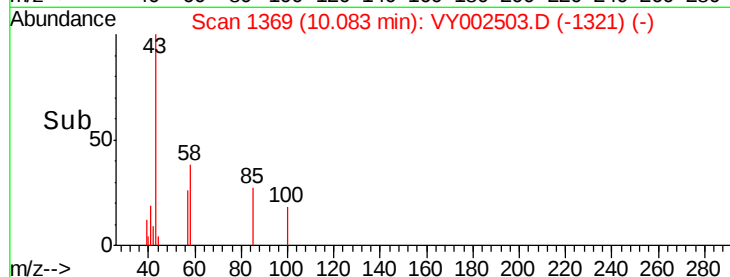
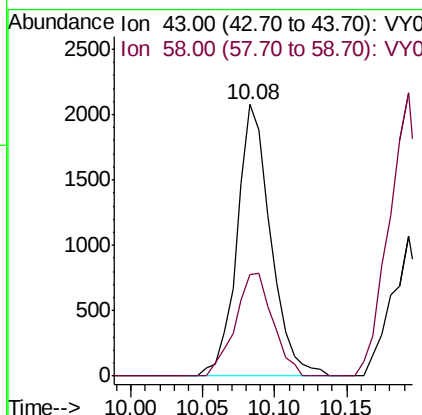
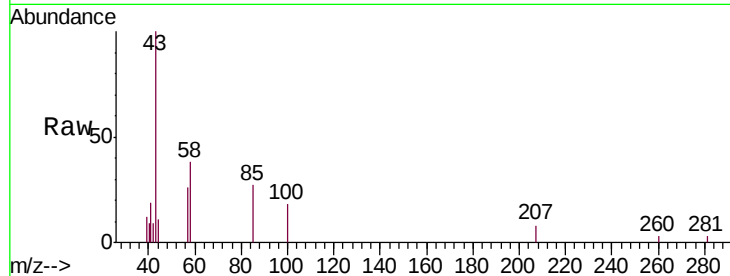




#51
 4-Methyl-2-Pentanone
 Concen: 1.955 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. -0.01 min
 Lab File: VY002503.D
 Acq: 29 Apr 2020 12:32

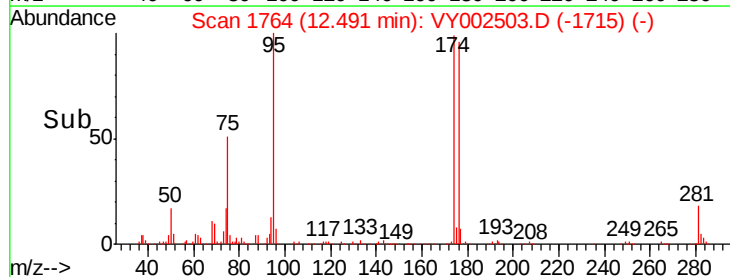
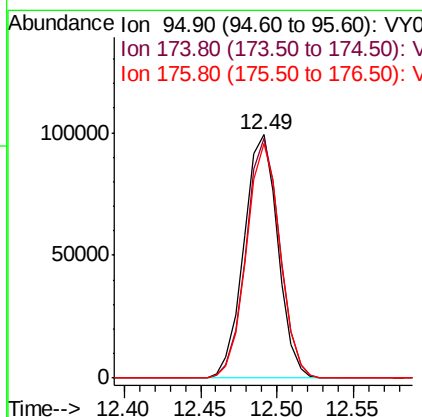
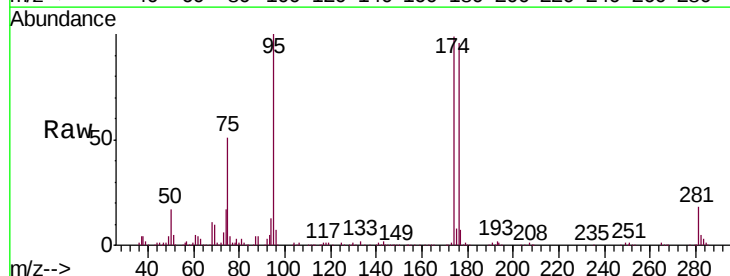
Instrument :
 MSVOA_Y
 ClientSampleId :
 HEALTH

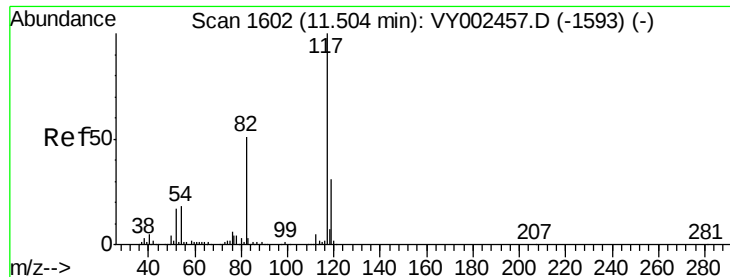
Tgt Ion: 43 Resp: 3377
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.2 49.8



#62
 4-Bromofluorobenzene
 Concen: 48.711 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002503.D
 Acq: 29 Apr 2020 12:32

Tgt Ion: 95 Resp: 152971
 Ion Ratio Lower Upper
 95 100
 174 98.1 0.0 193.0
 176 95.6 0.0 190.4

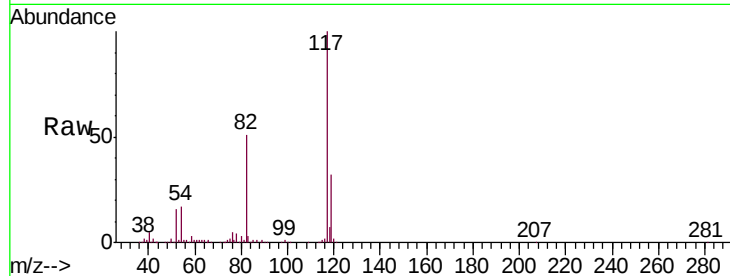




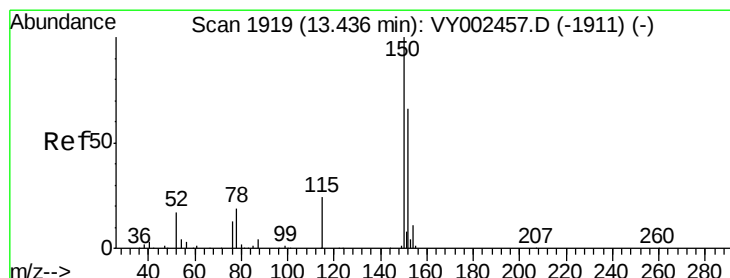
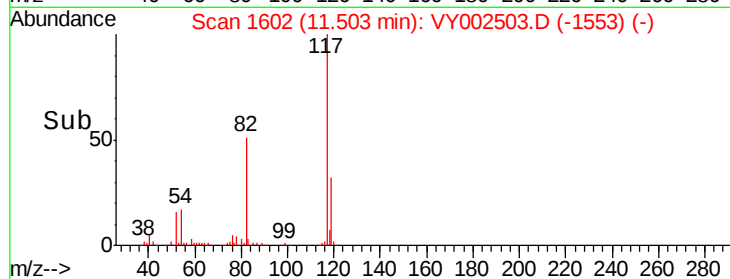
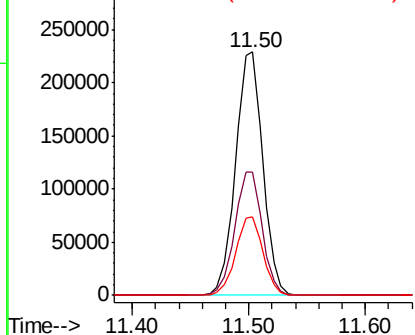
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002503.D
Acq: 29 Apr 2020 12:32

Instrument :
MSVOA_Y
ClientSampleId :
HEALTH

Tgt Ion:117 Resp: 372694
Ion Ratio Lower Upper
117 100
82 50.6 40.8 61.2
119 32.2 25.2 37.8

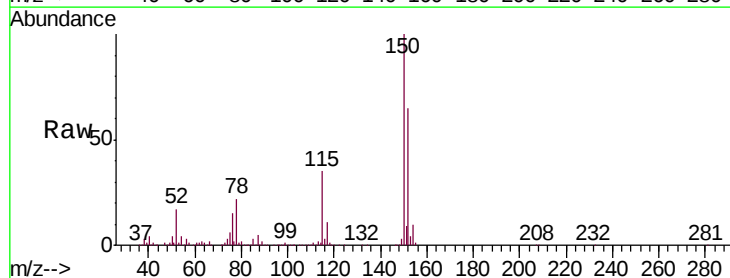


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

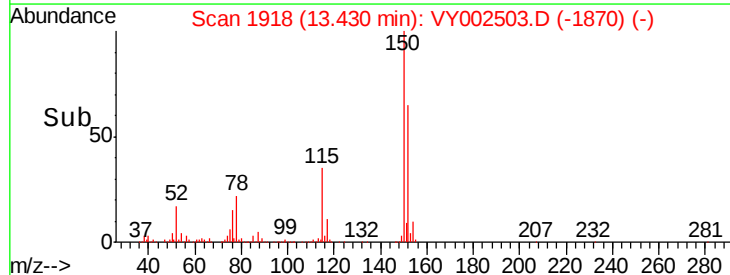
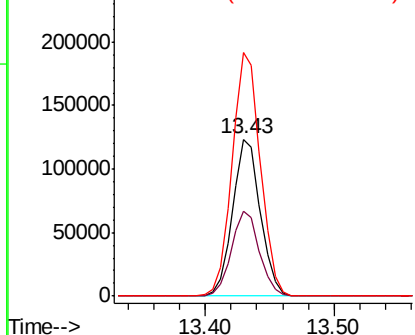


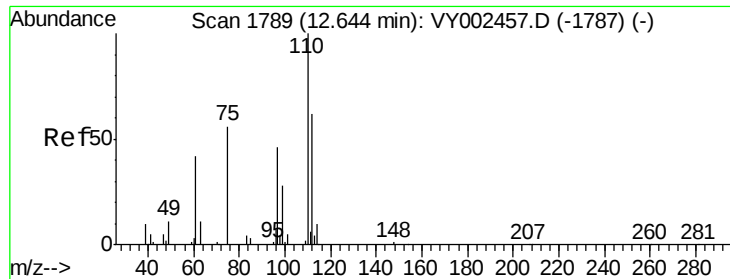
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002503.D
Acq: 29 Apr 2020 12:32

Tgt Ion:152 Resp: 185288
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.8
150 157.7 0.0 346.8



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: 49.720 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

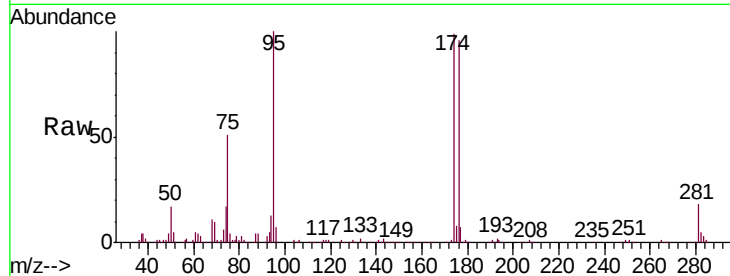
HEALTH

Tgt Ion: 75 Resp: 78081

Ion Ratio Lower Upper

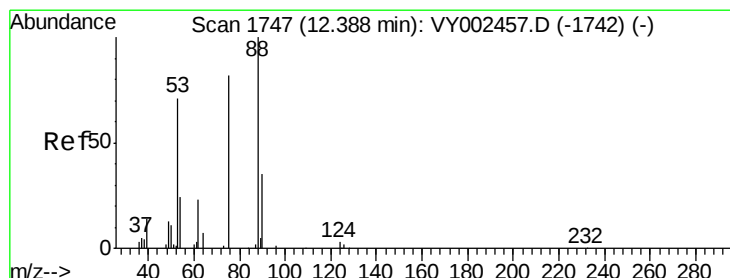
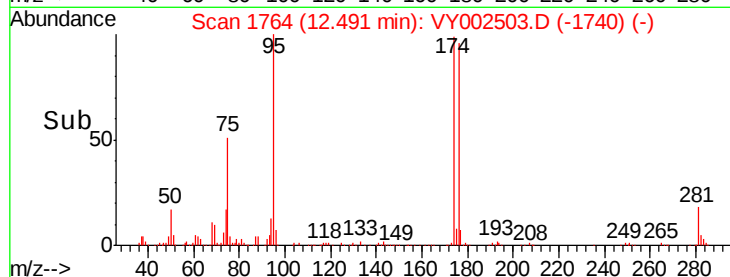
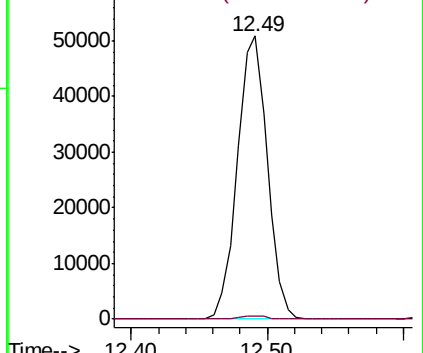
75 100

77 1.2 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: 92.006 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002503.D

Acq: 29 Apr 2020 12:32

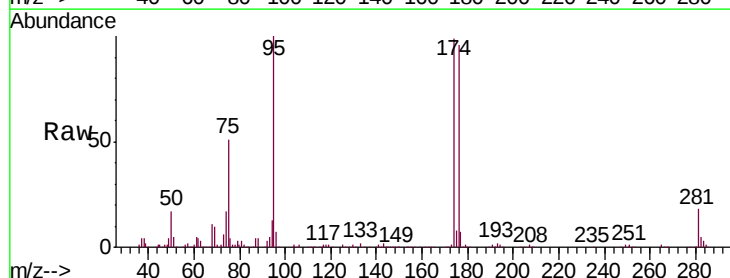
Tgt Ion: 75 Resp: 78081

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.2 34.9 52.3#



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

