

Data File : VY001505.D
Acq On : 05 Feb 2020 14:36
Operator : SY/MD
Sample : L1390-05
Misc : 4.99G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Quant Time: Feb 06 06:38:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	9321	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	18186	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	18087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	8360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	7494	79.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	159.70%	
35) Dibromofluoromethane	7.76	113	5756	54.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.78%	
50) Toluene-d8	10.19	98	22012	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
62) 4-Bromofluorobenzene	12.49	95	8680	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

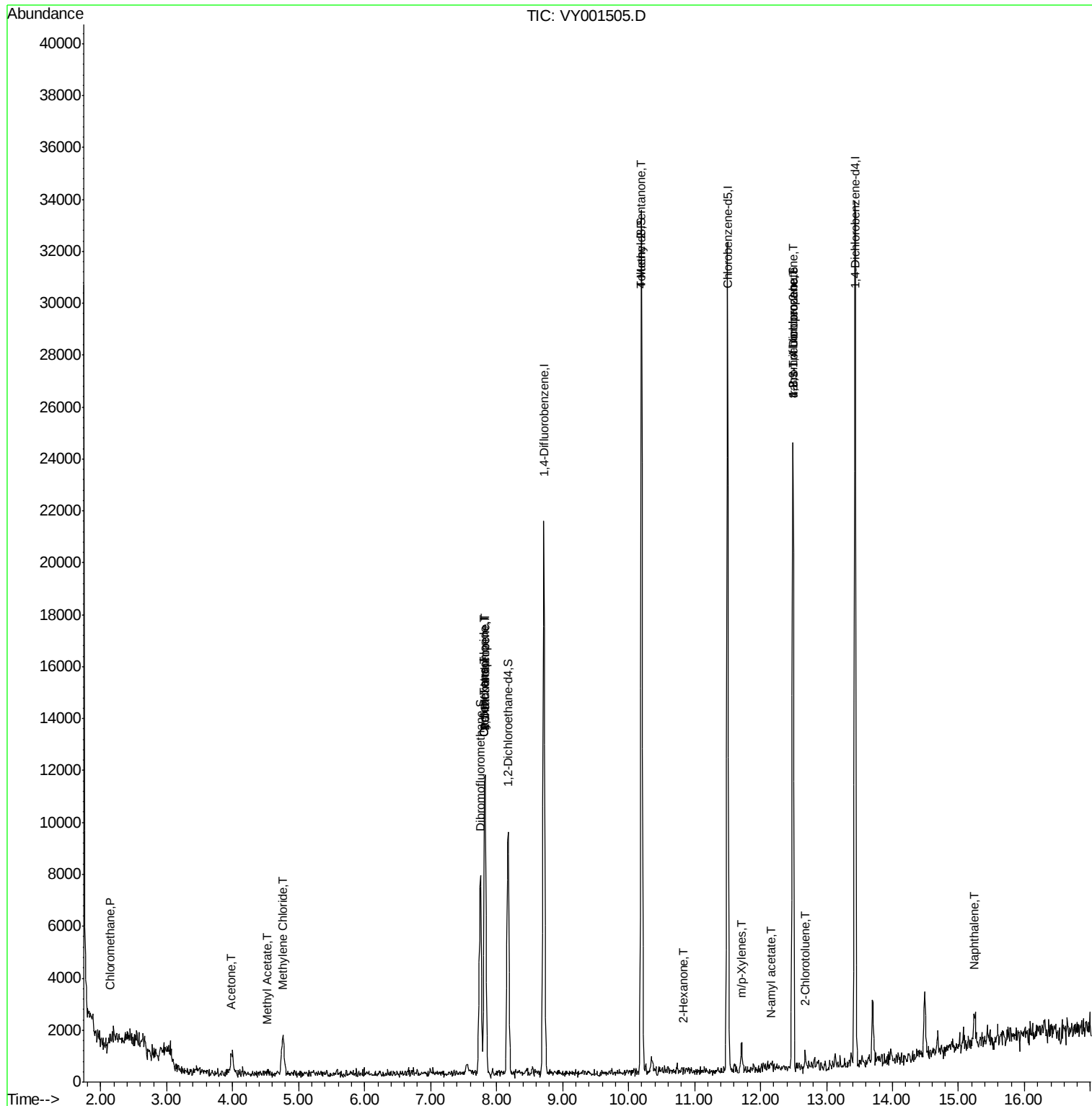
						Qvalue
3) Chloromethane	2.14	50	153	1.604	ug/l #	41
16) Acetone	3.97	43	1557	57.355	ug/l	96
18) Methyl Acetate	4.52	43	61	1.053	ug/l #	49
20) Methylene Chloride	4.75	84	1118	6.396	ug/l #	85
31) Cyclohexane	7.82	56	214	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	761	4.574	ug/l #	41
38) Carbon Tetrachloride	7.82	117	1000	6.213	ug/l #	12
51) 4-Methyl-2-Pentanone	10.19	43	122	1.554	ug/l #	1
59) 2-Hexanone	10.84	43	99	1.734	ug/l #	22
68) m/p-Xylenes	11.72	106	335	1.359	ug/l #	60
74) N-amyl acetate	12.16	43	234	1.412	ug/l #	40
76) 1,2,3-Trichloropropane	12.49	75	4356	48.452	ug/l #	100
79) 2-Chlorotoluene	12.67	91	535	1.230	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.49	75	4356	93.752	ug/l #	16
95) Naphthalene	15.24	128	1262	3.325	ug/l #	87

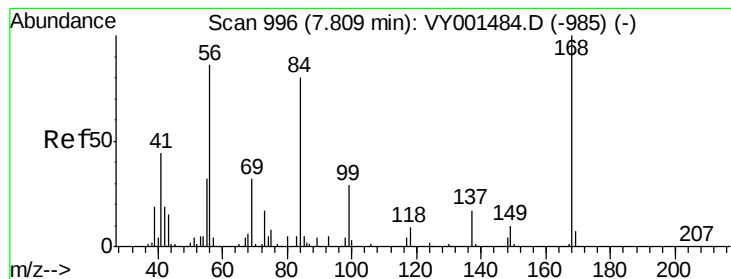
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

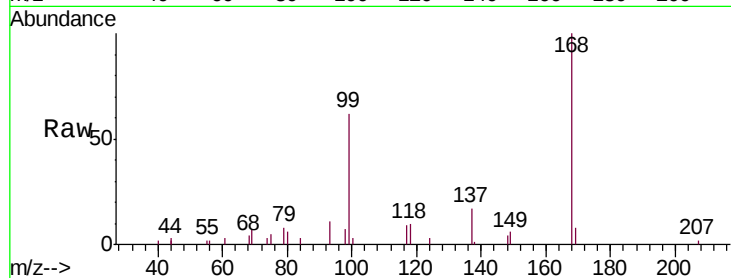
SB-5

Tgt Ion: 168 Resp: 9321

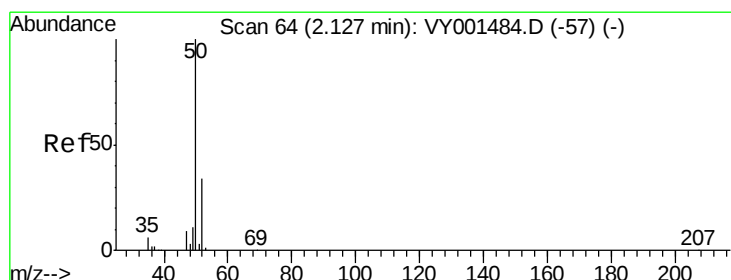
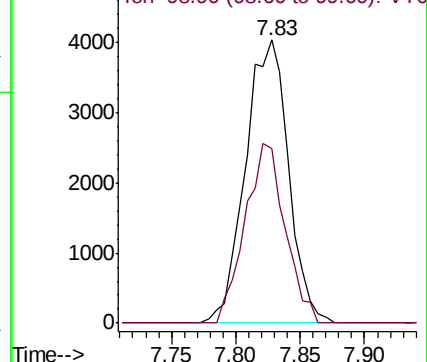
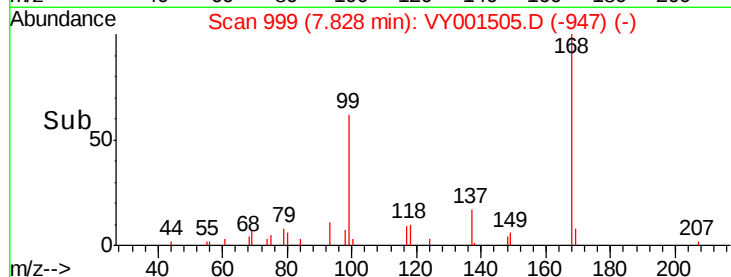
Ion Ratio Lower Upper

168 100

99 61.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001505.D (-947) (-)



#3

Chloromethane

Concen: 1.604 ug/l

RT: 2.14 min Scan# 66

Delta R.T. 0.01 min

Lab File: VY001505.D

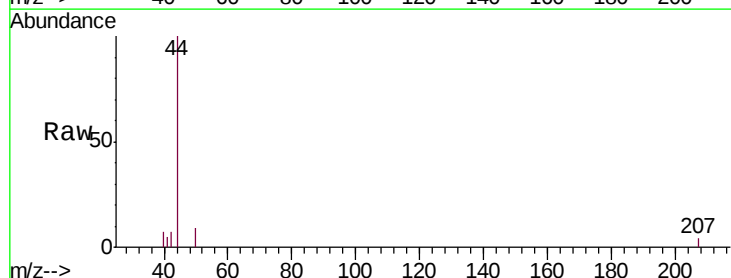
Acq: 05 Feb 2020 14:36

Tgt Ion: 50 Resp: 153

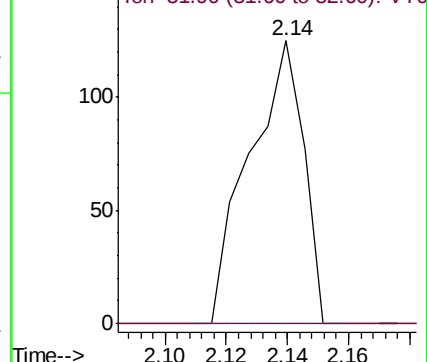
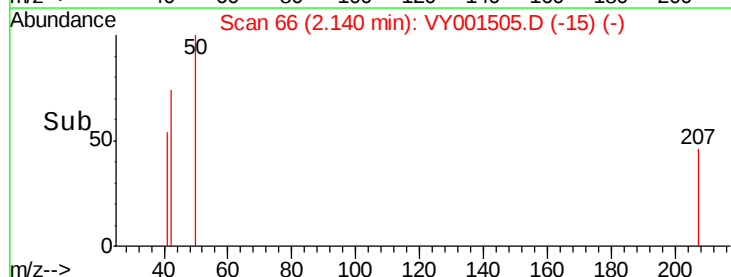
Ion Ratio Lower Upper

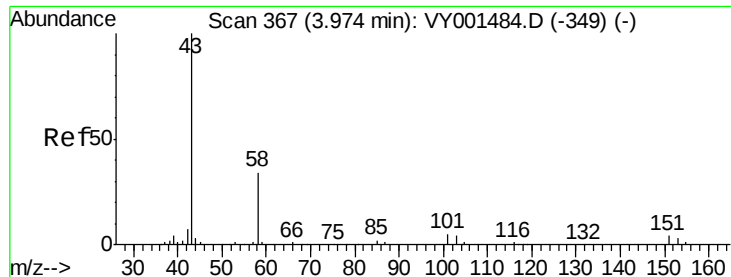
50 100

52 0.0 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY001505.D (-15) (-)





#16

Acetone

Concen: 57.355 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampled :

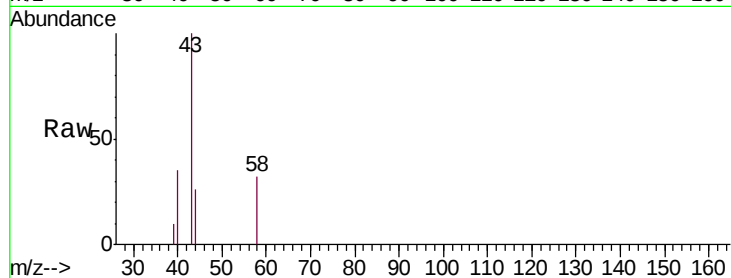
SB-5

Tgt Ion: 43 Resp: 1557

Ion Ratio Lower Upper

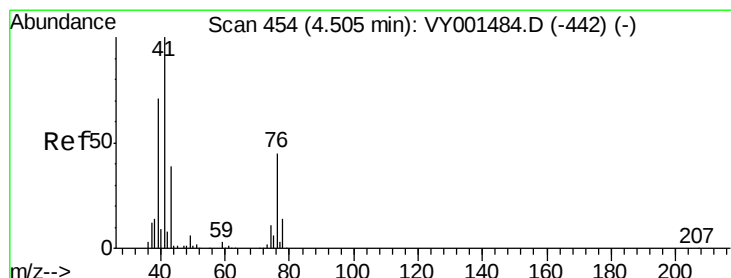
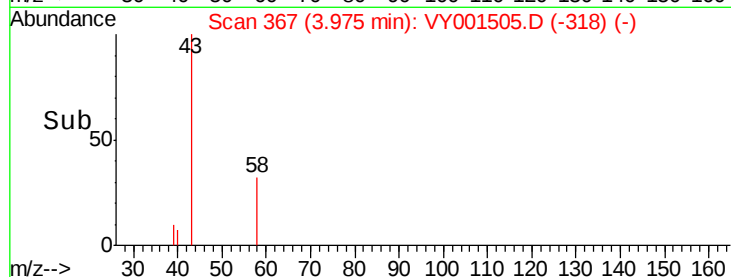
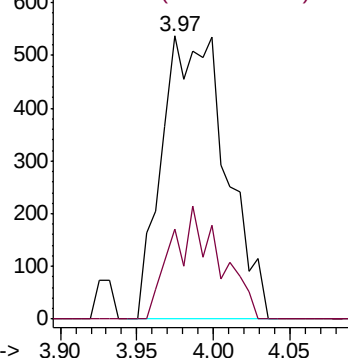
43 100

58 31.8 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.053 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.02 min

Lab File: VY001505.D

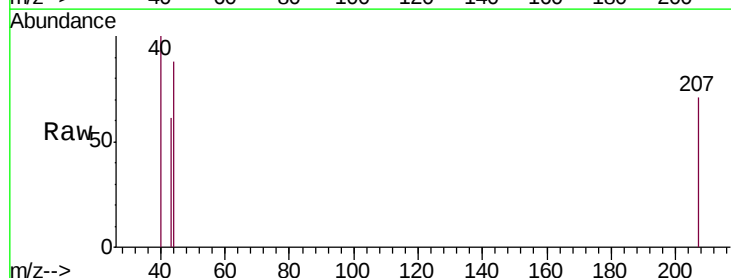
Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

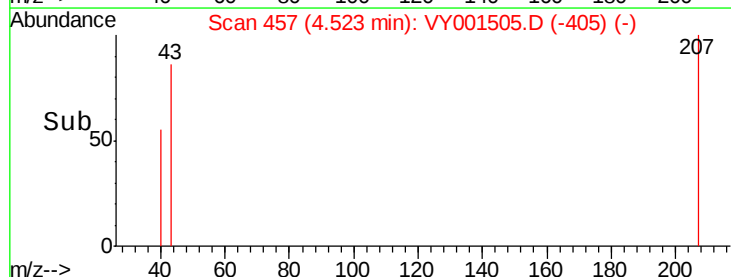
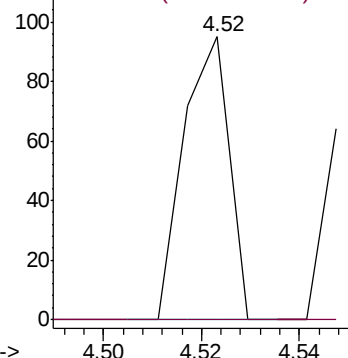
43 100

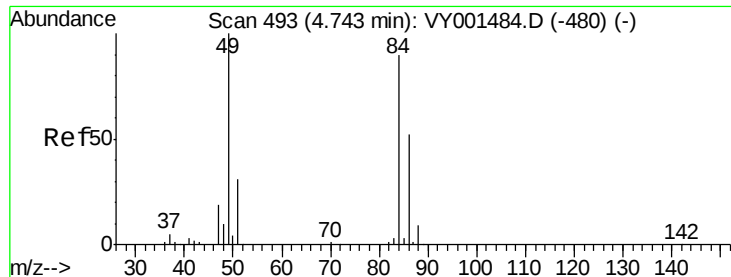
74 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#20

Methylene Chloride

Concen: 6.396 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

Tgt Ion: 84 Resp: 1118

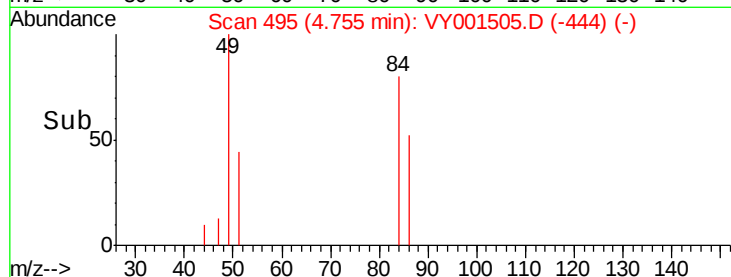
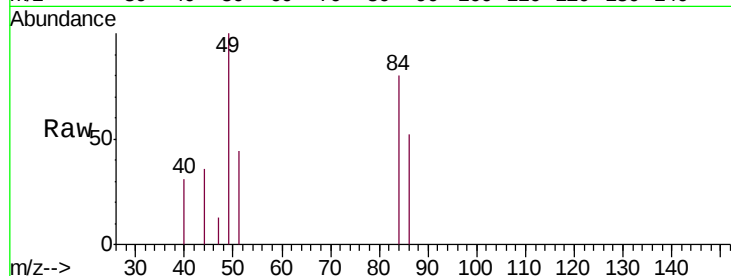
Ion Ratio Lower Upper

84 100

49 124.8 89.0 133.6

51 54.9 27.4 41.2#

86 64.6 46.6 70.0

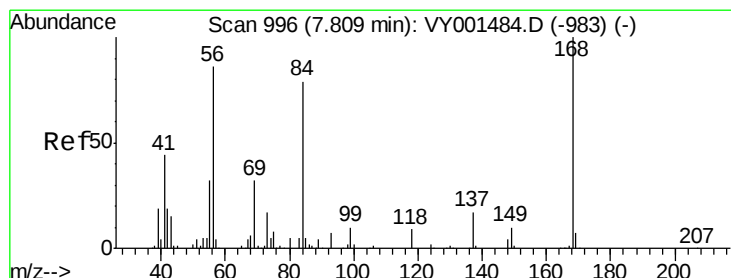
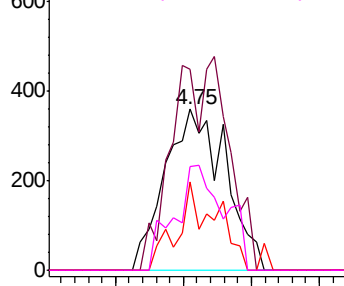


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.171 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

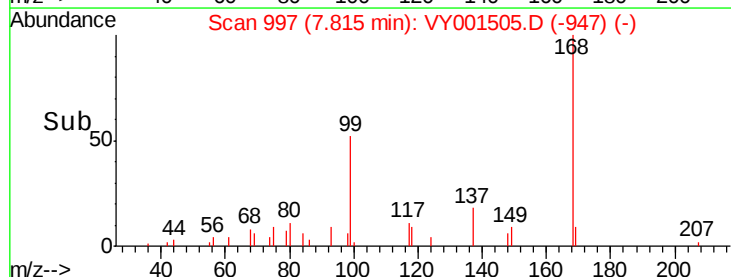
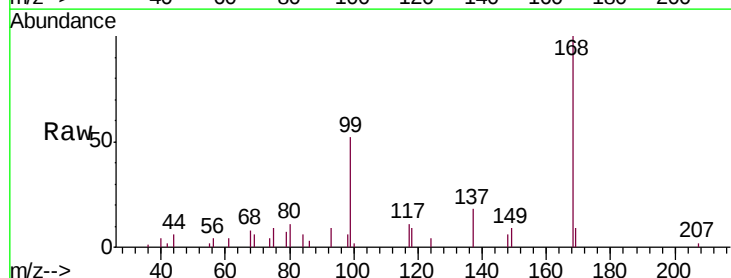
Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

69 173.9 29.6 44.4#

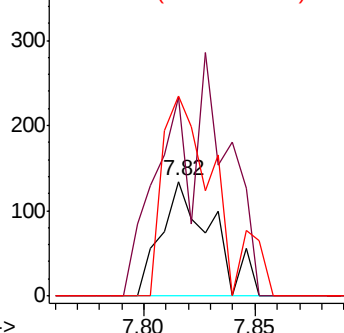
84 175.4 73.6 110.4#

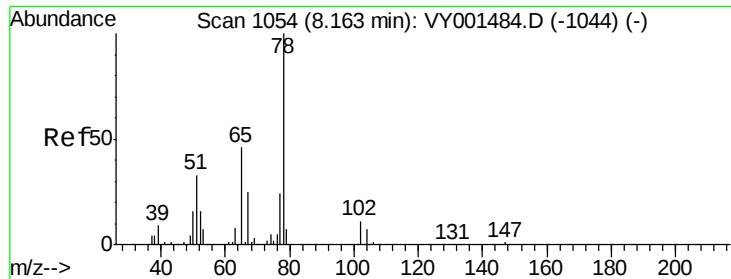


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

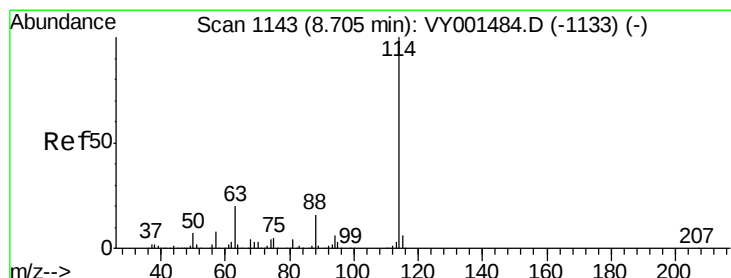
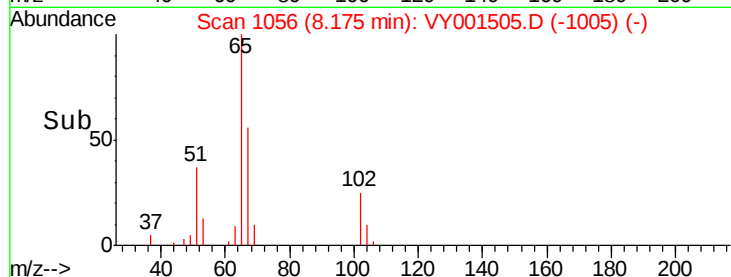
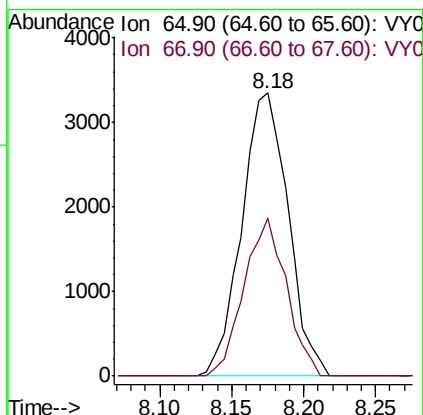
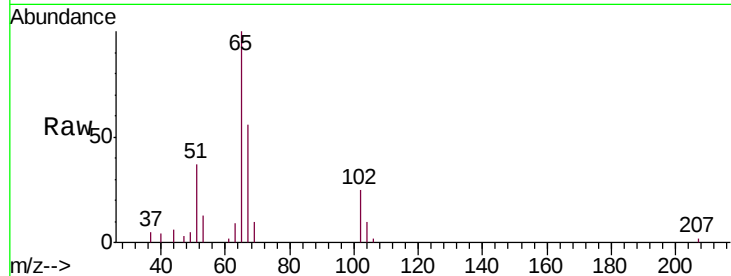




#33
 1,2-Dichloroethane-d4
 Concen: 79.852 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001505.D
 Acq: 05 Feb 2020 14:36

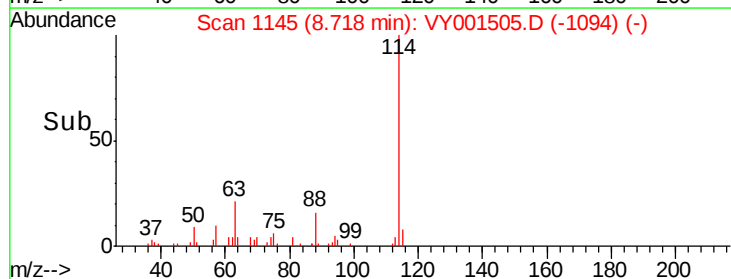
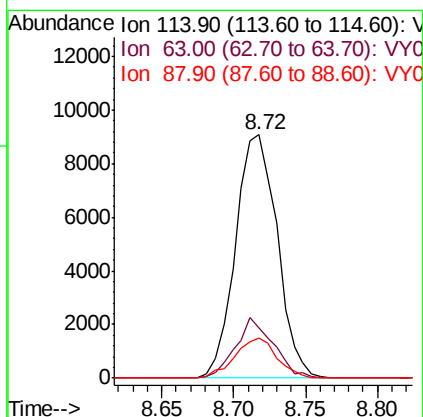
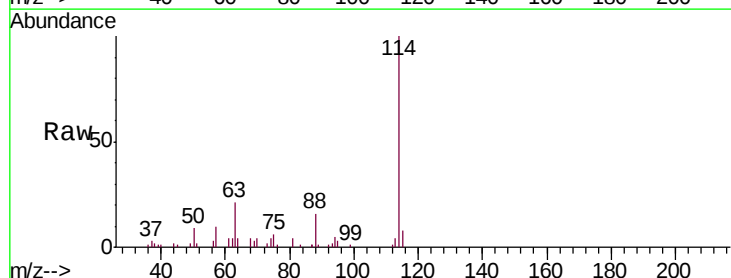
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5

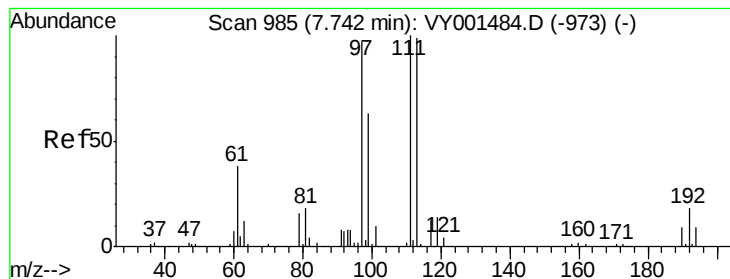
Tgt Ion: 65 Resp: 7494
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001505.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 114 Resp: 18186
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.8
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.887 ug/l

RT: 7.76 min Scan# 988

Delta R.T. 0.02 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

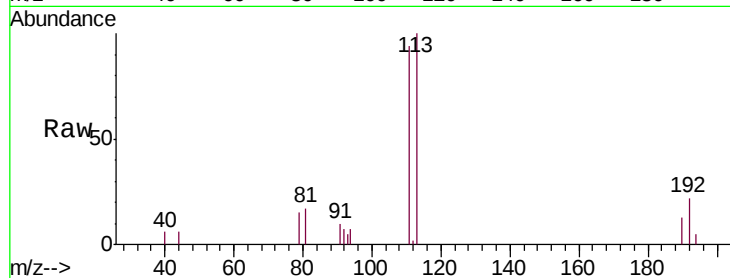
Tgt Ion:113 Resp: 5756

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

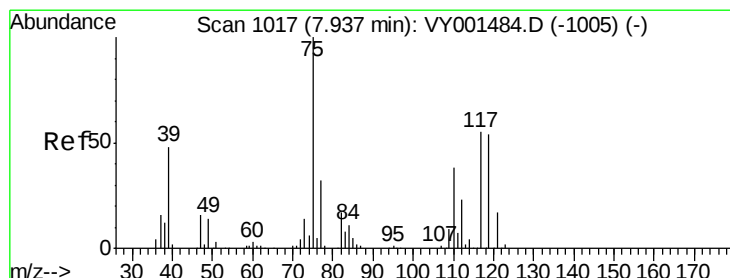
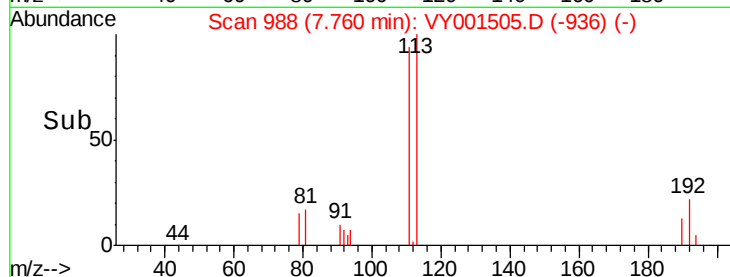
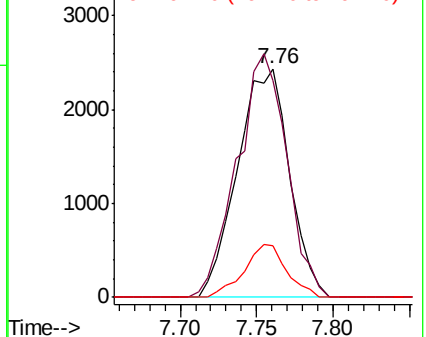
192 19.0 14.6 22.0



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: 4.574 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

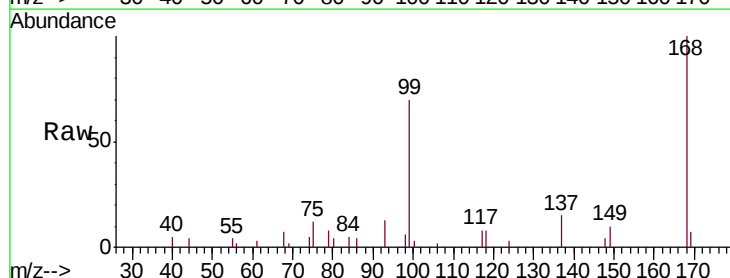
Tgt Ion: 75 Resp: 761

Ion Ratio Lower Upper

75 100

110 0.0 18.2 54.6#

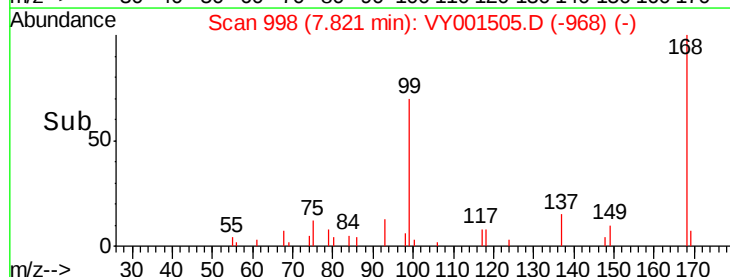
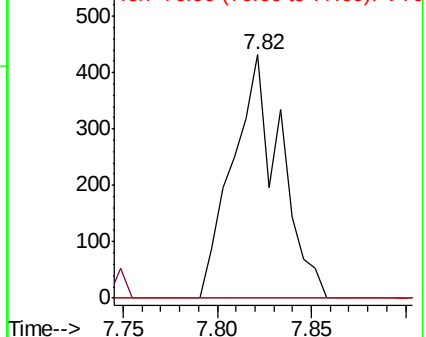
77 0.0 25.0 37.4#

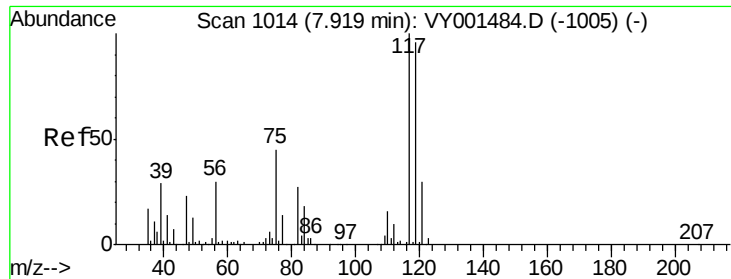


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.213 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampled :

SB-5

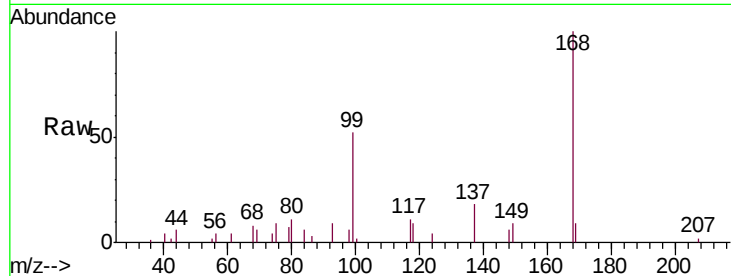
Tgt Ion:117 Resp: 1000

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

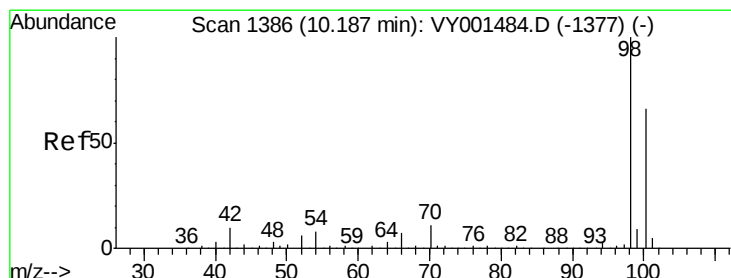
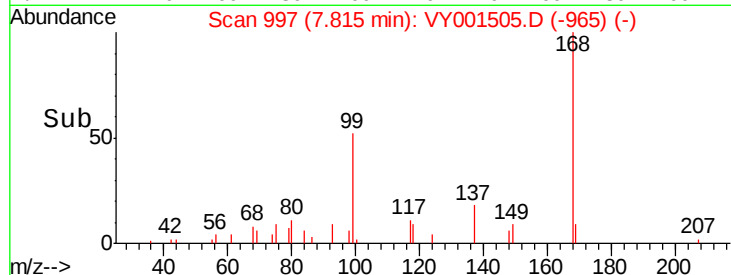
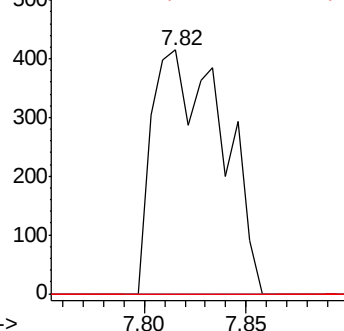
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 55.479 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001505.D

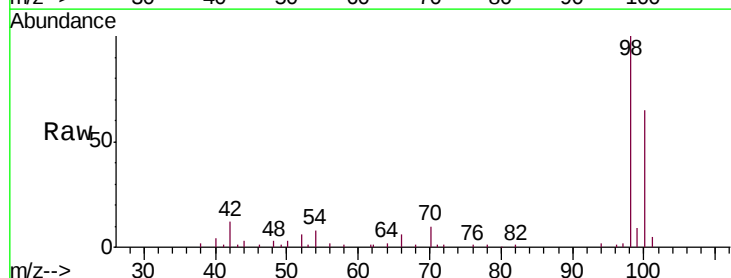
Acq: 05 Feb 2020 14:36

Tgt Ion: 98 Resp: 22012

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

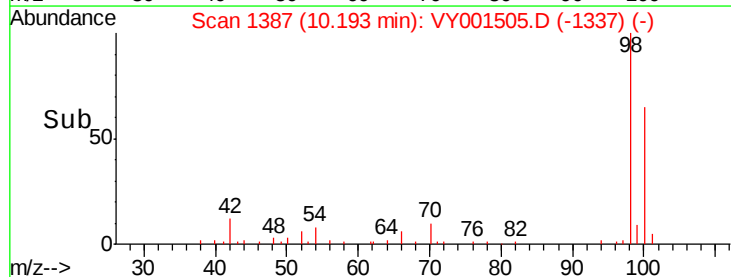
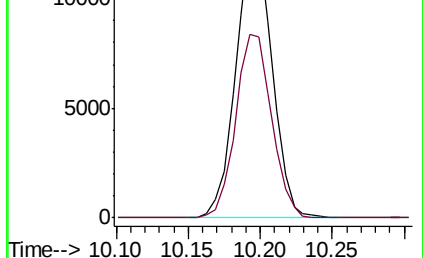
Ion 100.00 (99.70 to 100.70): VY

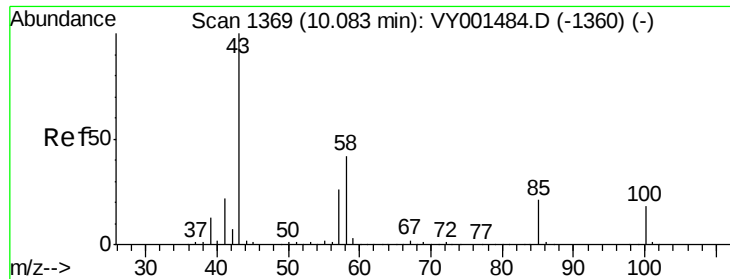
15000

10000

5000

0





#51

4-Methyl-2-Pentanone

Concen: 1.554 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampled :

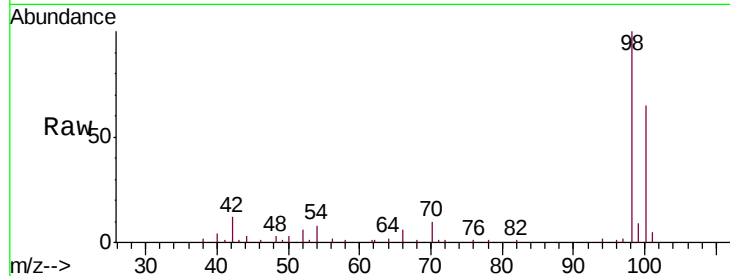
SB-5

Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

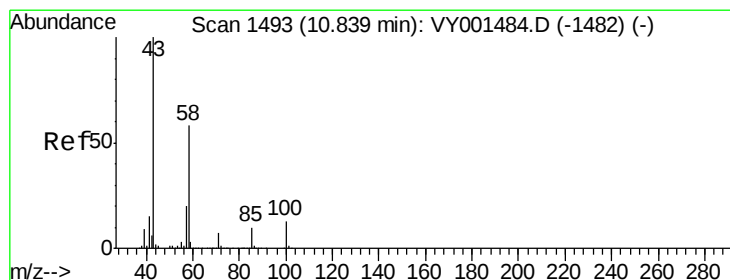
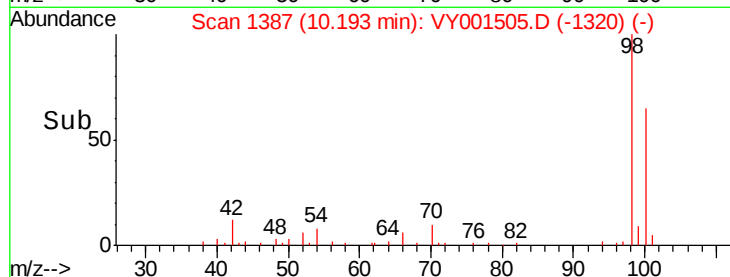
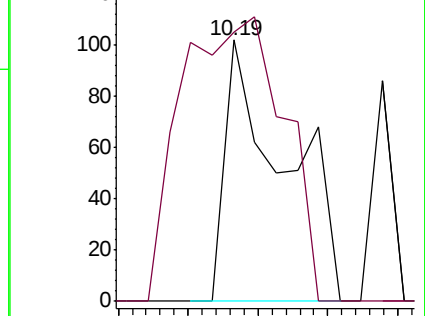
43 100

58 186.1 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#59

2-Hexanone

Concen: 1.734 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VY001505.D

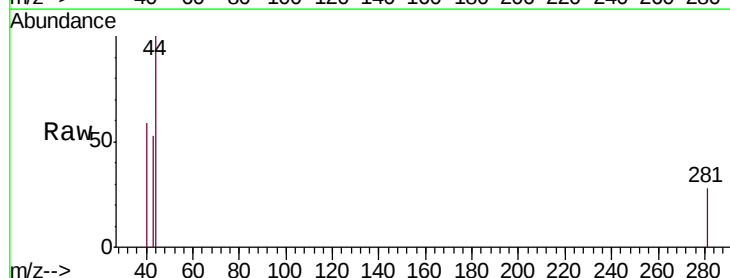
Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 99

Ion Ratio Lower Upper

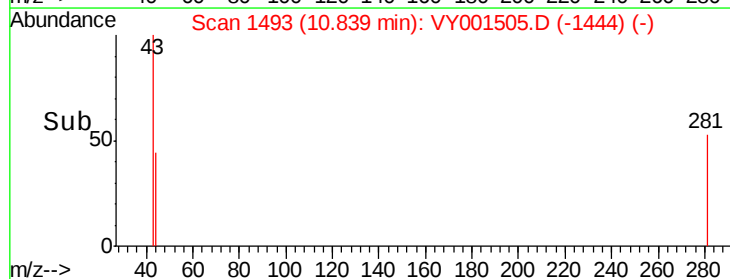
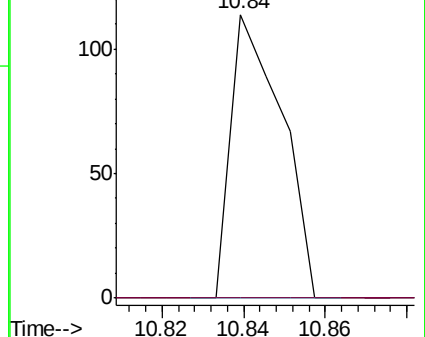
43 100

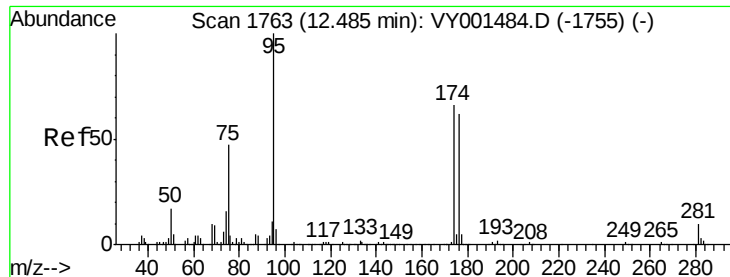
58 0.0 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

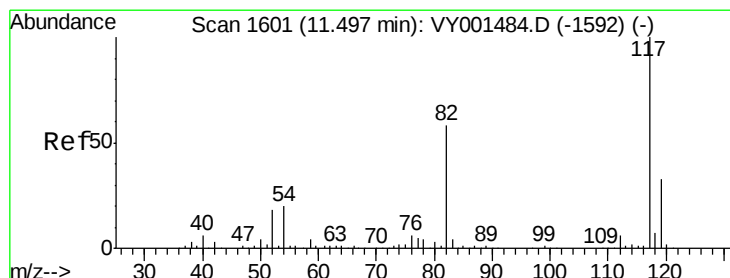
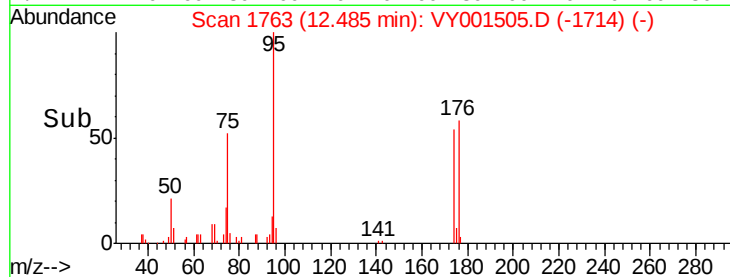
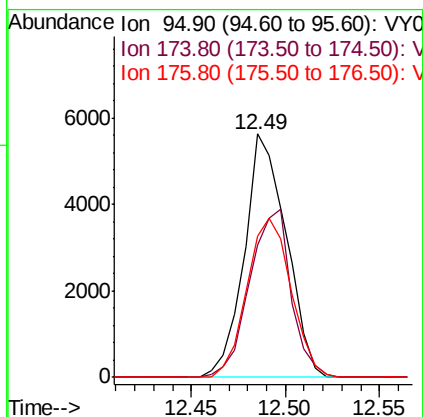
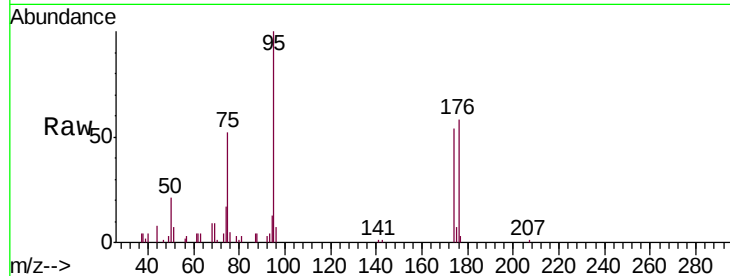




#62
4-Bromofluorobenzene
Concen: 55.533 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001505.D
Acq: 05 Feb 2020 14:36

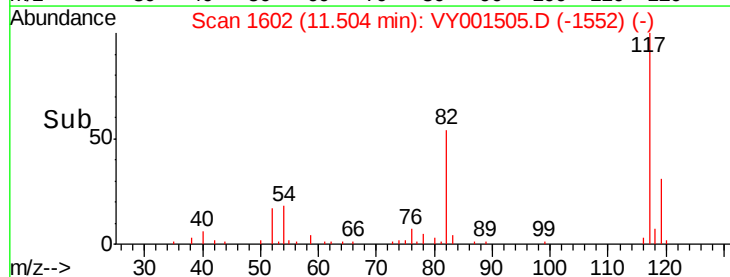
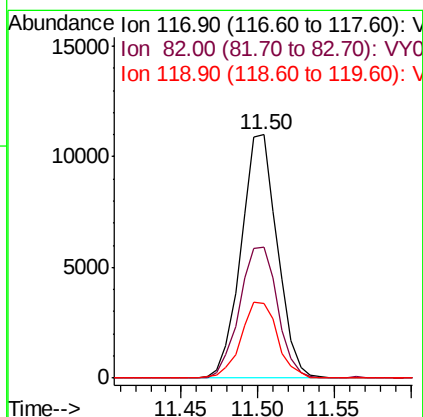
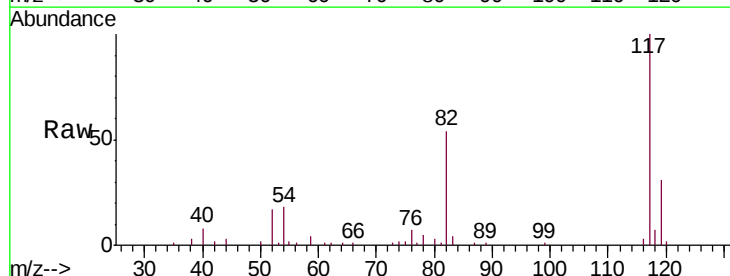
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

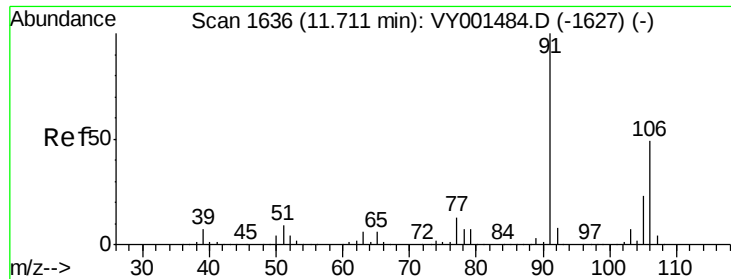
Tgt Ion: 95 Resp: 8680
Ion Ratio Lower Upper
95 100
174 68.3 0.0 141.4
176 68.8 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001505.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 117 Resp: 18087
Ion Ratio Lower Upper
117 100
82 53.9 46.1 69.1
119 30.6 26.1 39.1

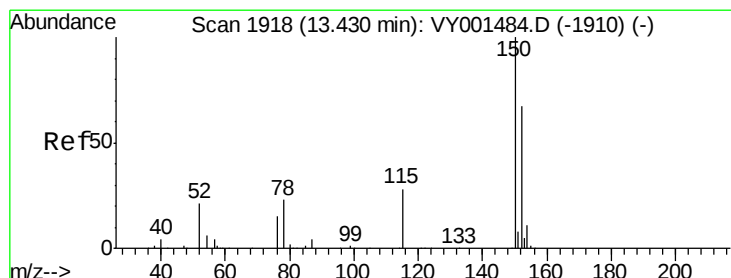
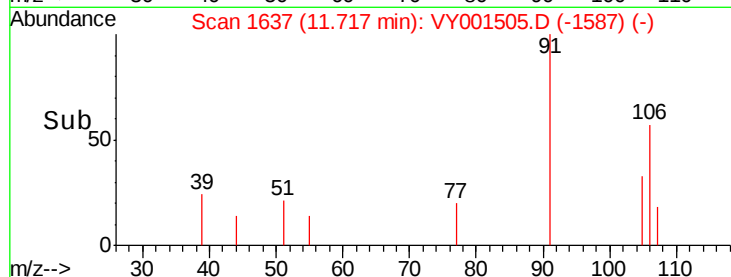
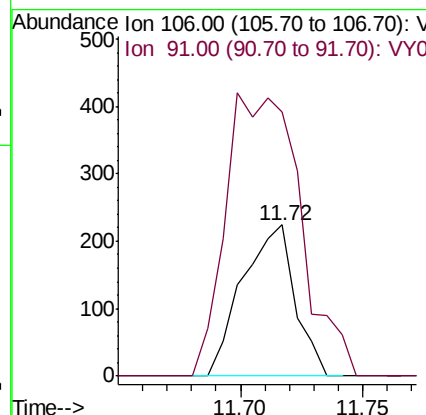
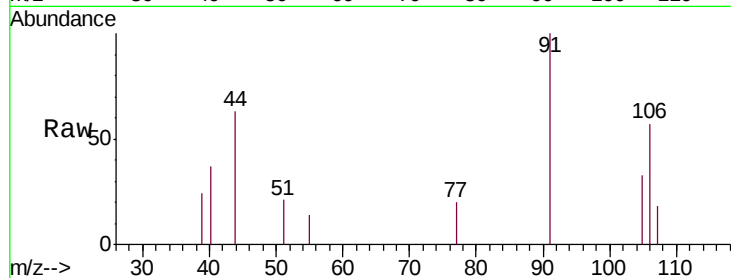




#68
m/p-Xylenes
Concen: 1.359 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001505.D
Acq: 05 Feb 2020 14:36

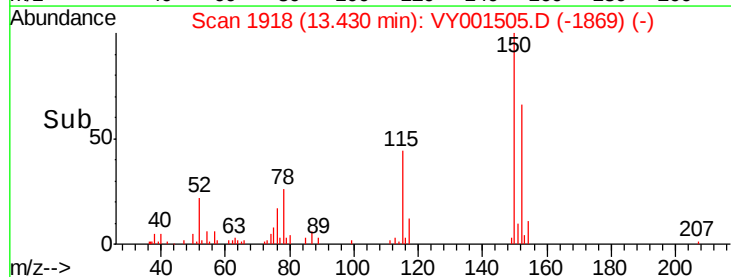
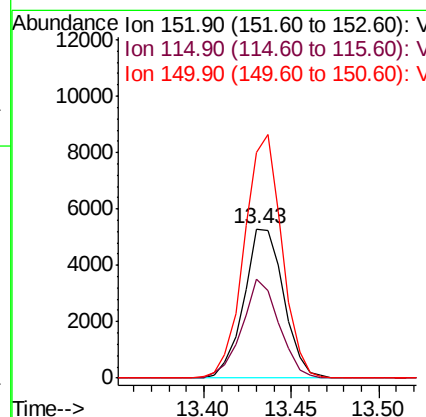
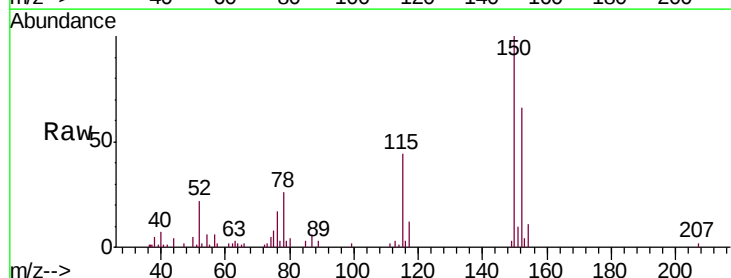
Instrument :
MSVOA_Y
ClientSampled :
SB-5

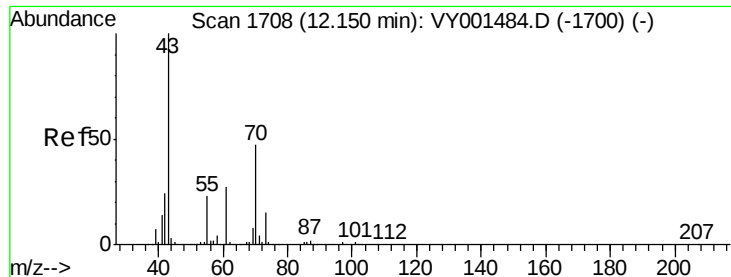
Tgt Ion:106 Resp: 335
Ion Ratio Lower Upper
106 100
91 265.4 163.6 245.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001505.D
Acq: 05 Feb 2020 14:36

Tgt Ion:152 Resp: 8360
Ion Ratio Lower Upper
152 100
115 61.6 31.4 94.3
150 154.3 0.0 346.8





#74

N-amyI acetate

Concen: 1.412 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

Tgt Ion: 43 Resp: 234

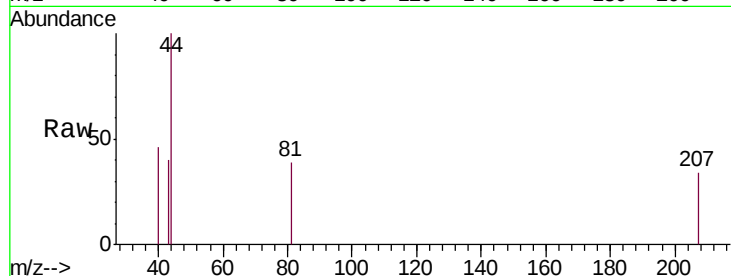
Ion Ratio Lower Upper

43 100

70 0.0 37.2 55.8#

55 0.0 18.8 28.2#

61 0.0 21.4 32.2#

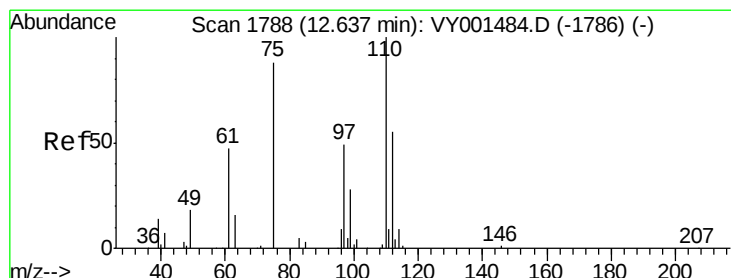
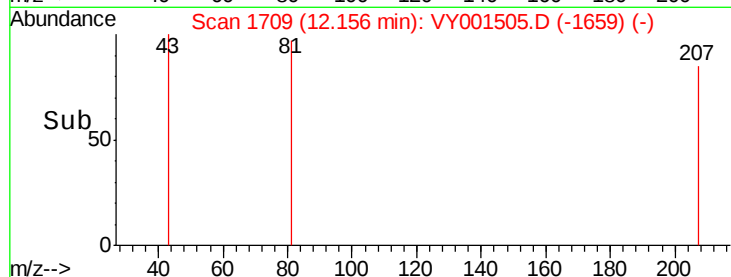
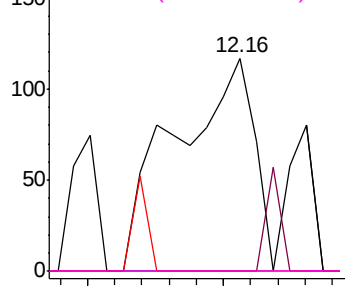


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 48.452 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001505.D

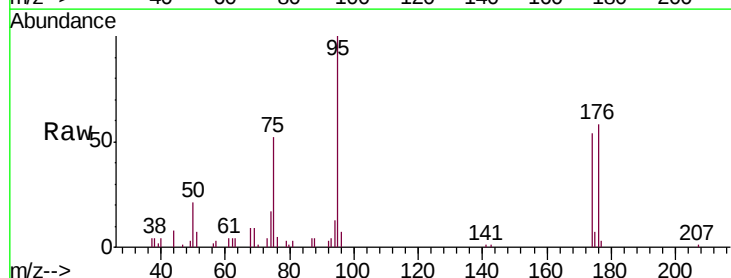
Acq: 05 Feb 2020 14:36

Tgt Ion: 75 Resp: 4356

Ion Ratio Lower Upper

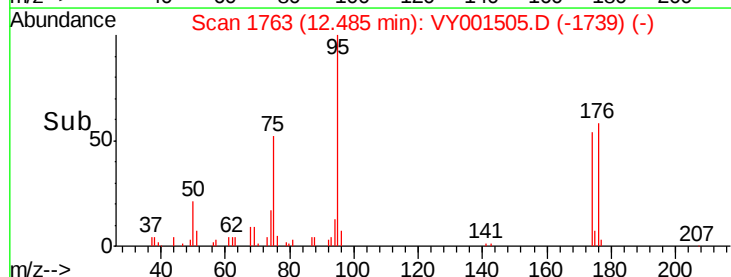
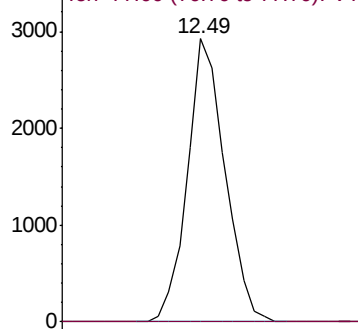
75 100

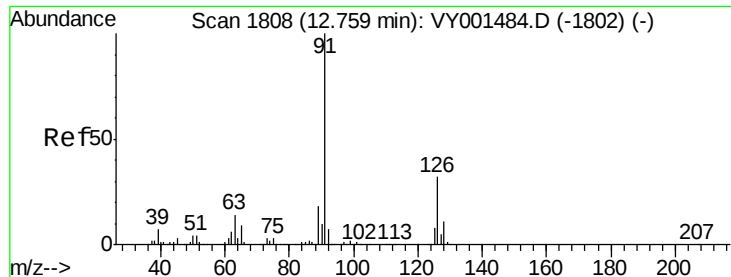
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#79

2-Chlorotoluene

Concen: 1.230 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.09 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

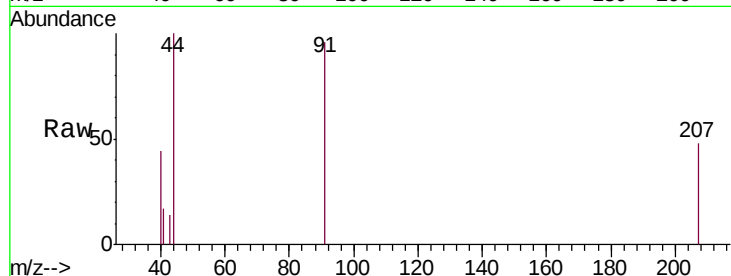
SB-5

Tgt Ion: 91 Resp: 535

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

12.67

400

300

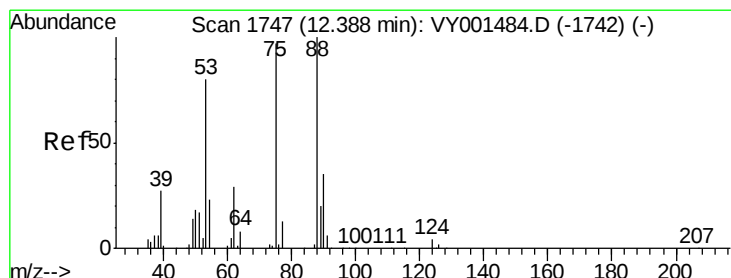
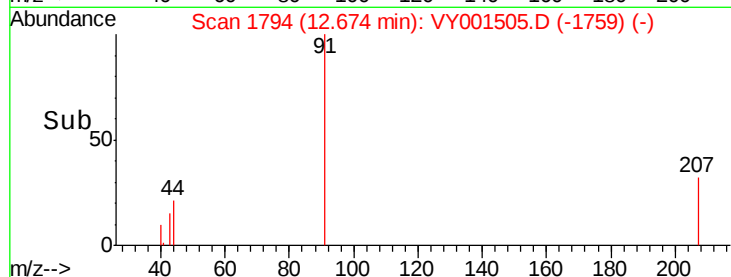
200

100

0

Time-->

12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 93.752 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001505.D

Acq: 05 Feb 2020 14:36

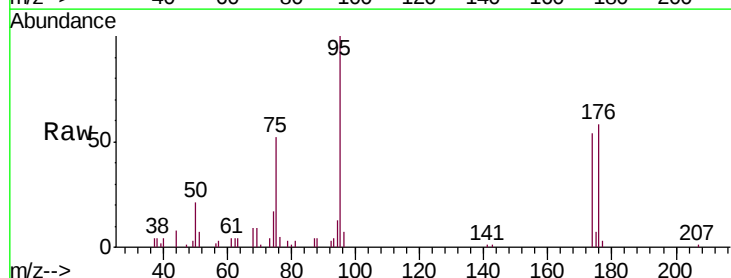
Tgt Ion: 75 Resp: 4356

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



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

4000

3000

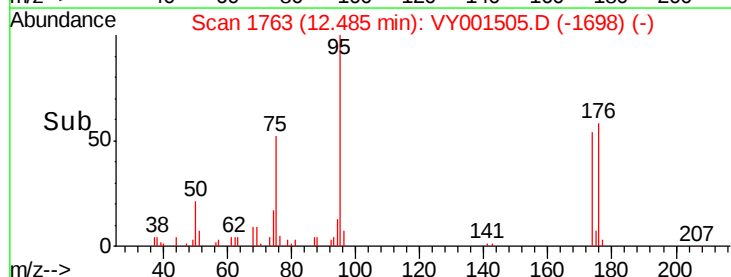
2000

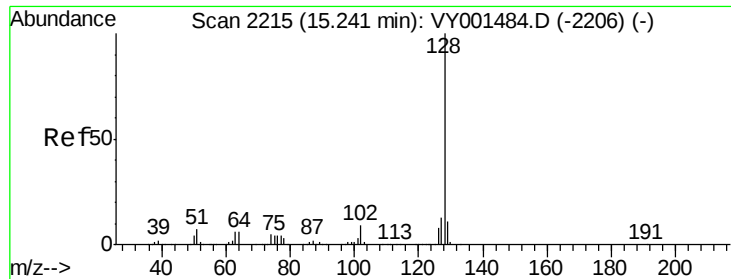
1000

0

Time-->

12.45 12.50 12.55

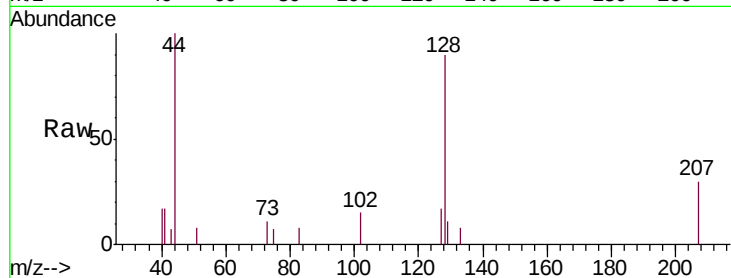




#95
Naphthalene
Concen: 3.325 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001505.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.1	15.1#
129	16.7	8.9	13.3#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

