

Data File : VY001510.D
Acq On : 05 Feb 2020 16:27
Operator : SY/MD
Sample : L1393-03
Misc : 6.03G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-107-2-3

Quant Time: Feb 06 07:00:20 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	164298	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	306192	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	243220	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	72612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	98332	59.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	118.88%	
35) Dibromofluoromethane	7.75	113	93809	53.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.20	98	363063	54.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.50	95	102411	38.92	ug/l	0.01
Spiked Amount	50.000		Recovery	=	77.84%	

Target Compounds

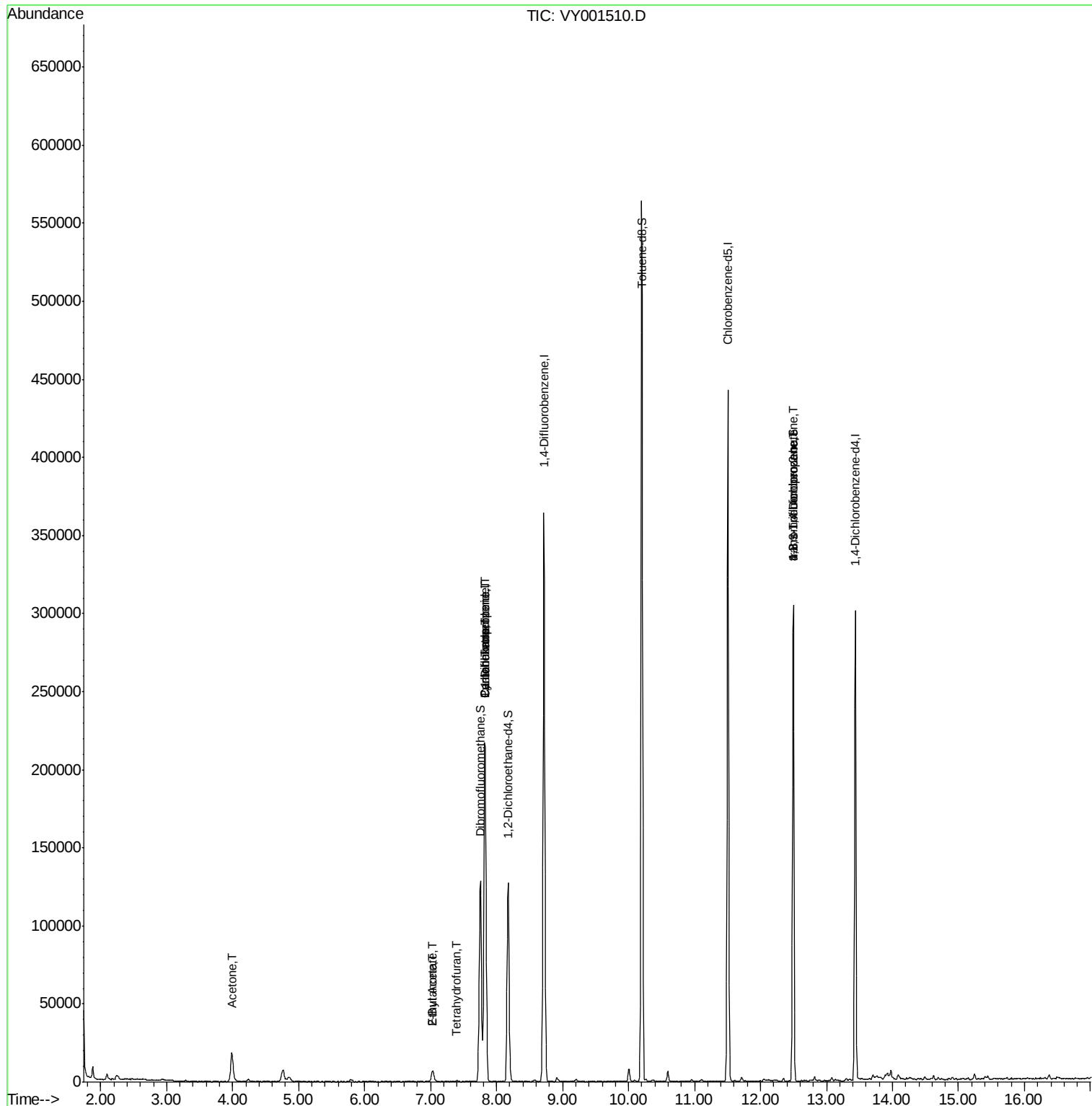
						Qvalue
11) Tert butyl alcohol	5.00	59	66	Below Cal	#	76
16) Acetone	3.99	43	32267	67.433	ug/l	100
20) Methylene Chloride	4.76	84	5694	Below Cal	#	84
25) 2-Butanone	7.03	43	10081	16.239	ug/l #	87
29) Tetrahydrofuran	7.39	42	475	1.277	ug/l #	46
31) Cyclohexane	7.83	56	3553	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	13594	4.853	ug/l #	48
37) Ethyl Acetate	7.03	43	10081	7.434	ug/l #	66
38) Carbon Tetrachloride	7.83	117	17026	6.283	ug/l #	17
76) 1,2,3-Trichloropropane	12.50	75	50385	64.524	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	50385	124.851	ug/l #	16

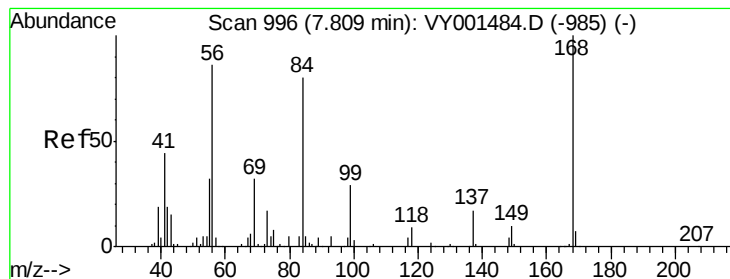
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

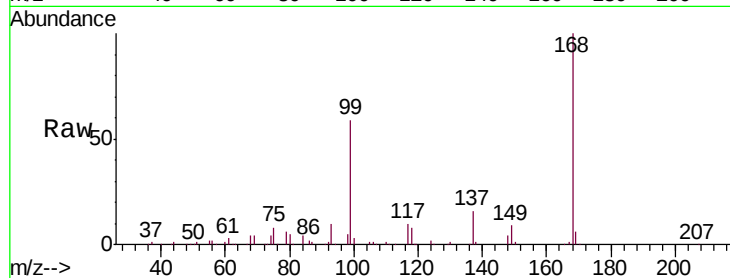
HAM-SB-107-2-3

Tgt Ion:168 Resp: 164298

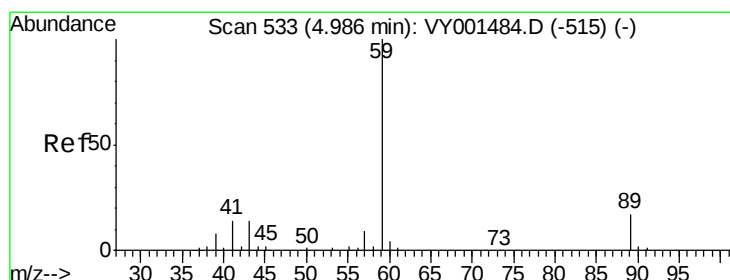
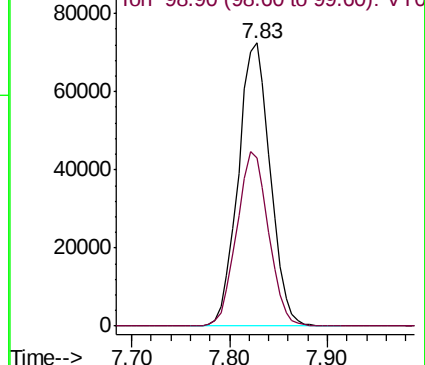
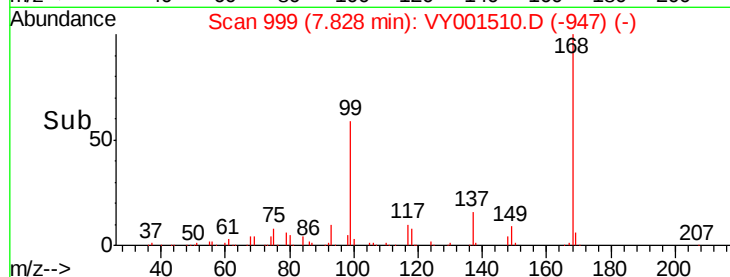
Ion Ratio Lower Upper

168 100

99 59.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001510.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001510.D

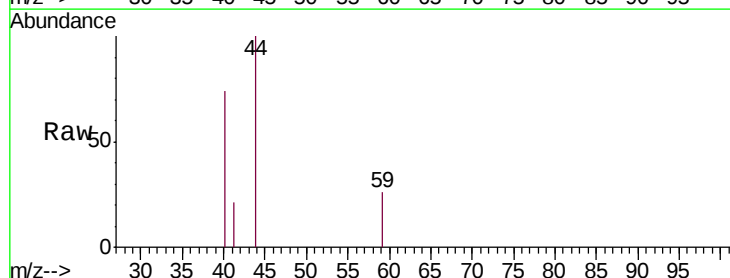
Acq: 05 Feb 2020 16:27

Tgt Ion: 59 Resp: 66

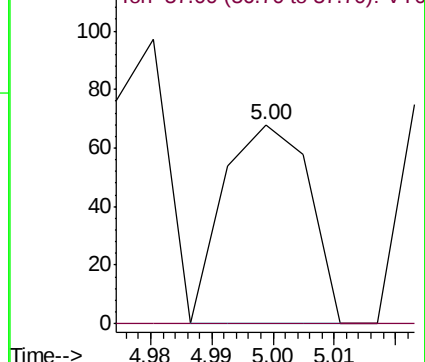
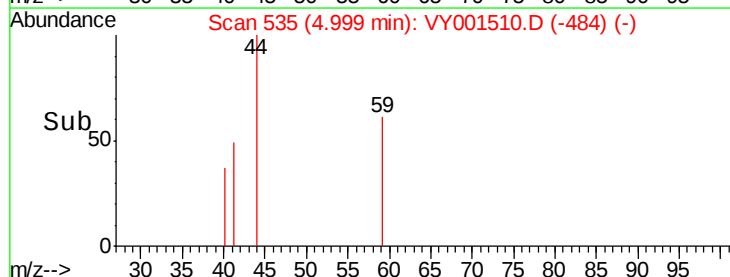
Ion Ratio Lower Upper

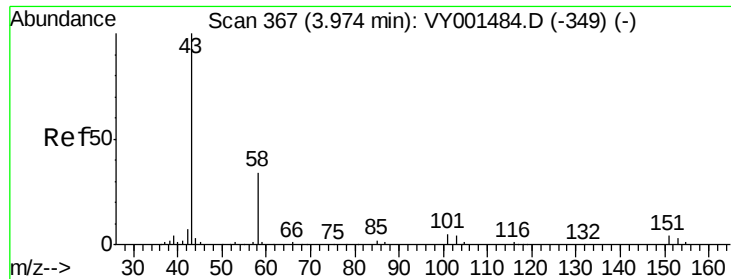
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001510.D (-484) (-)





#16

Acetone

Concen: 67.433 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

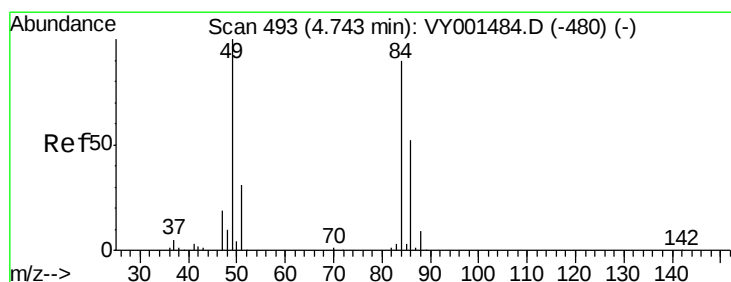
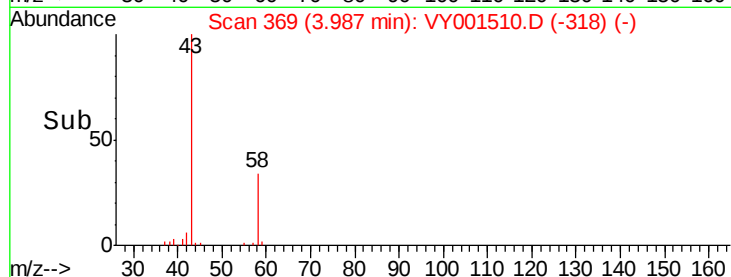
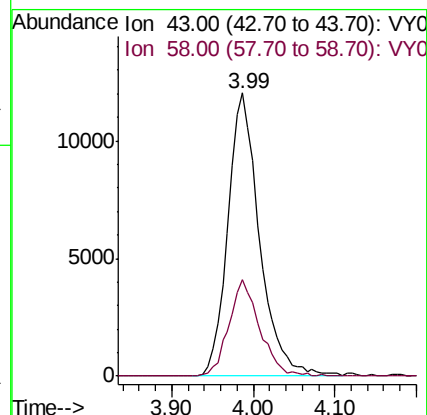
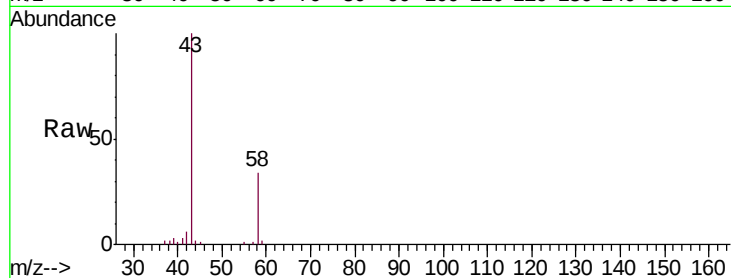
HAM-SB-107-2-3

Tgt Ion: 43 Resp: 32267

Ion Ratio Lower Upper

43 100

58 34.3 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Tgt Ion: 84 Resp: 5694

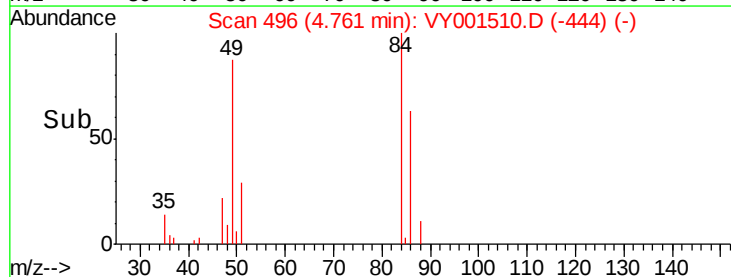
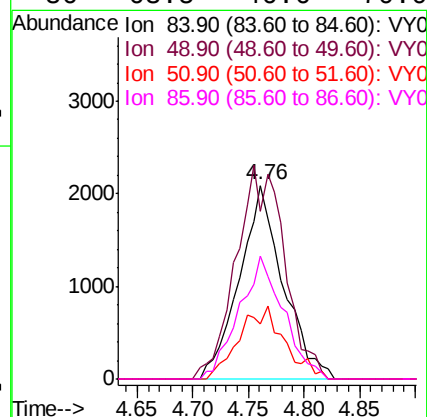
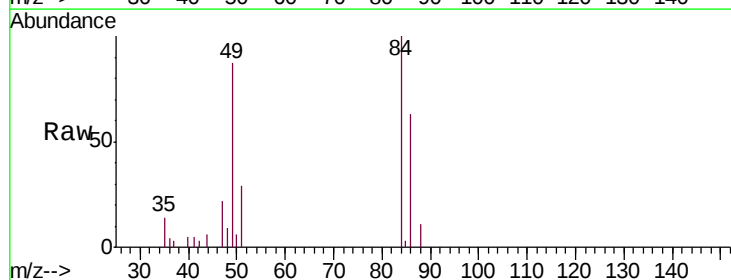
Ion Ratio Lower Upper

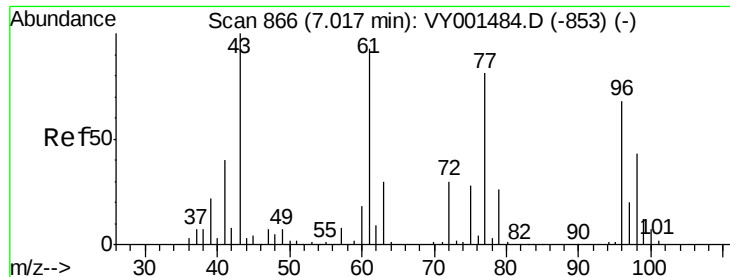
84 100

49 86.7 89.0 133.6#

51 28.6 27.4 41.2

86 63.5 46.6 70.0





#25

2-Butanone

Concen: 16.239 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

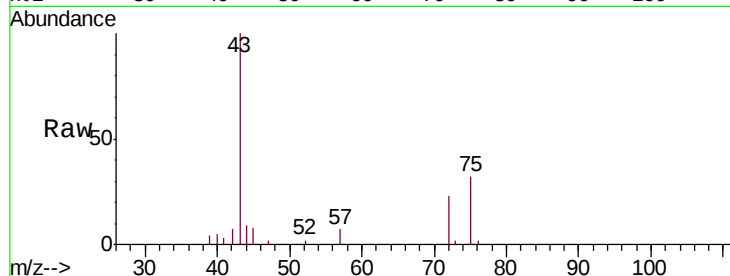
HAM-SB-107-2-3

Tgt Ion: 43 Resp: 10081

Ion Ratio Lower Upper

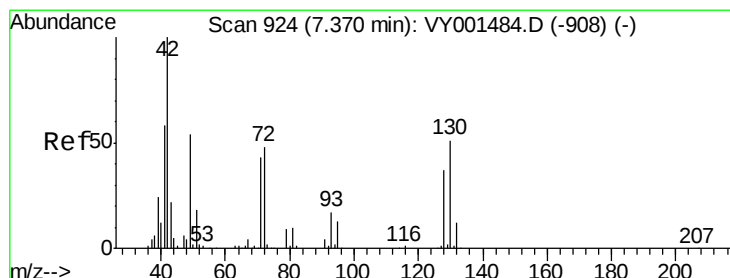
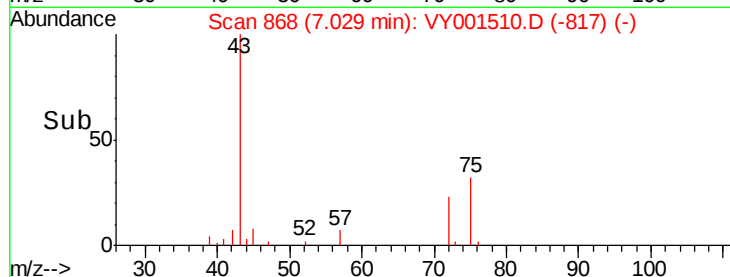
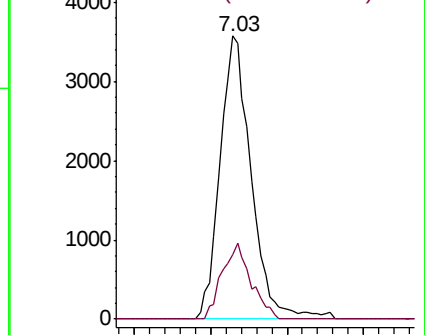
43 100

72 22.7 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.277 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.02 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

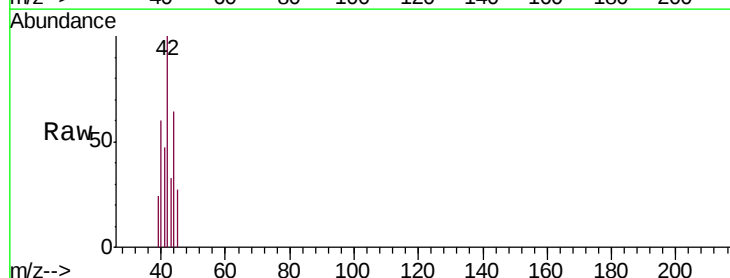
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 10.1 37.8 56.6#

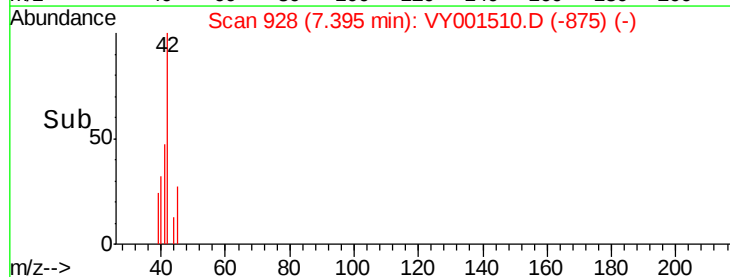
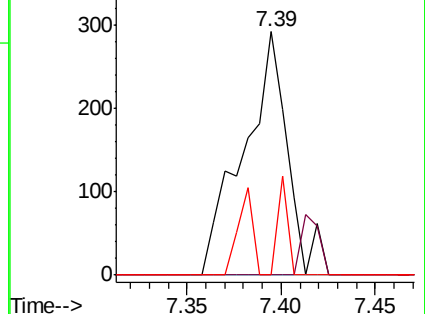
71 9.3 34.8 52.2#

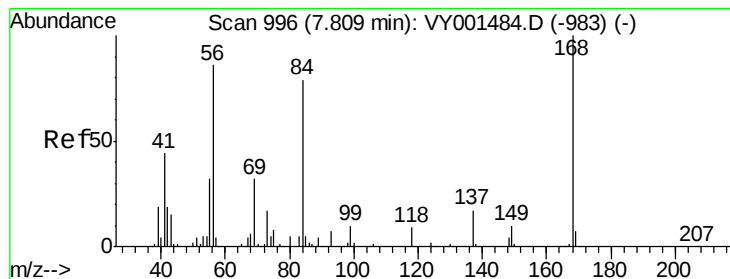


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.103 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-107-2-3

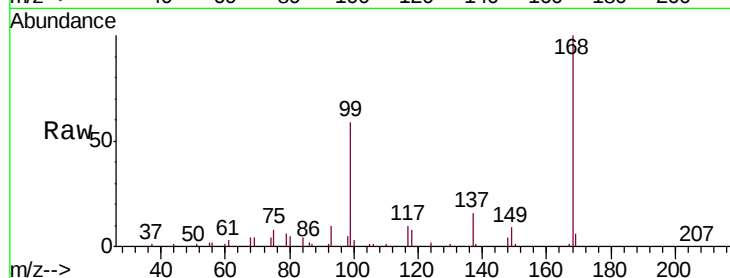
Tgt Ion: 56 Resp: 3553

Ion Ratio Lower Upper

56 100

69 168.7 29.6 44.4#

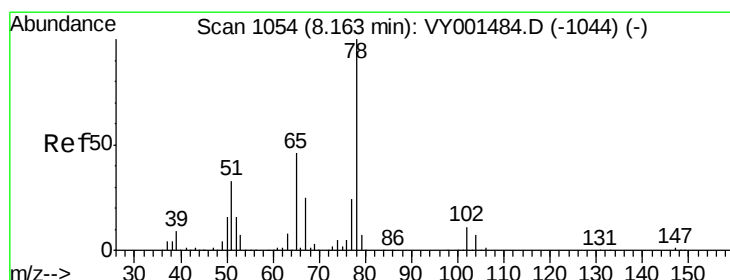
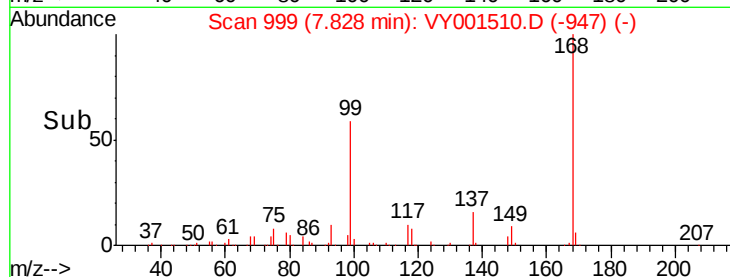
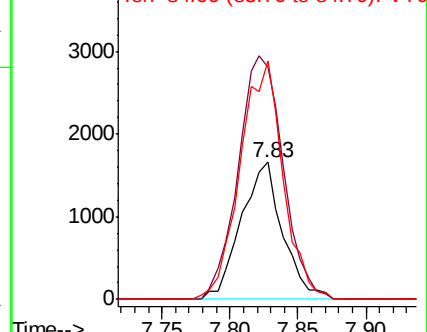
84 173.8 73.6 110.4#



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: 59.442 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001510.D

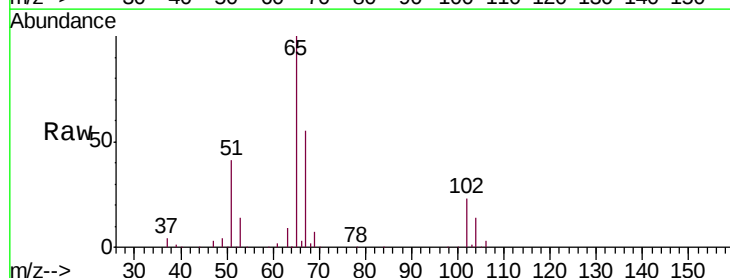
Acq: 05 Feb 2020 16:27

Tgt Ion: 65 Resp: 98332

Ion Ratio Lower Upper

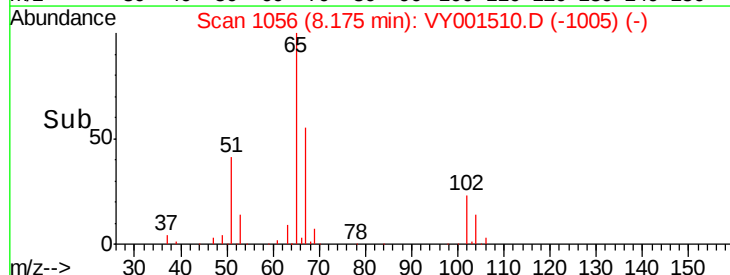
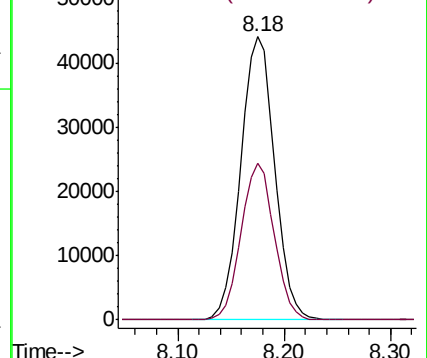
65 100

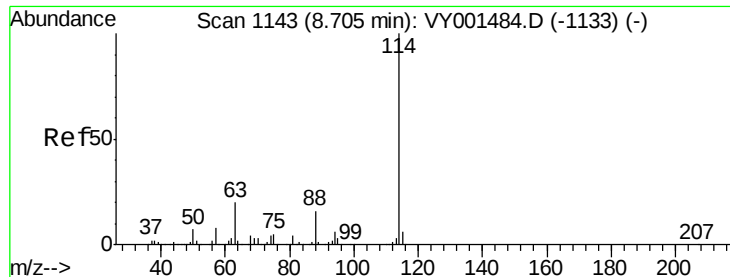
67 54.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

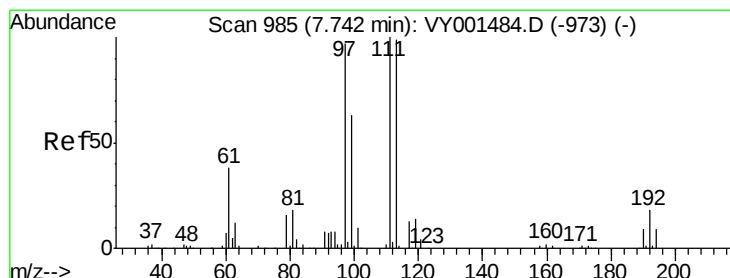
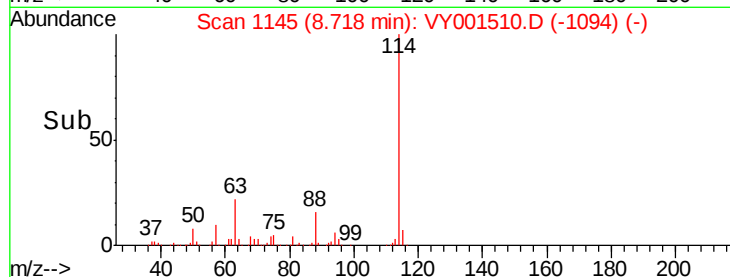
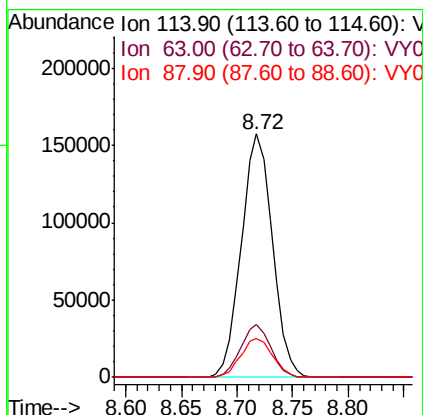
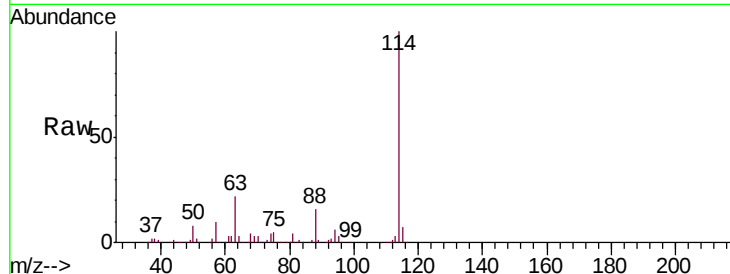




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001510.D
 Acq: 05 Feb 2020 16:27

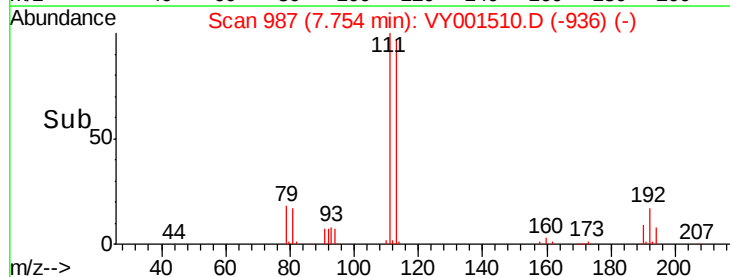
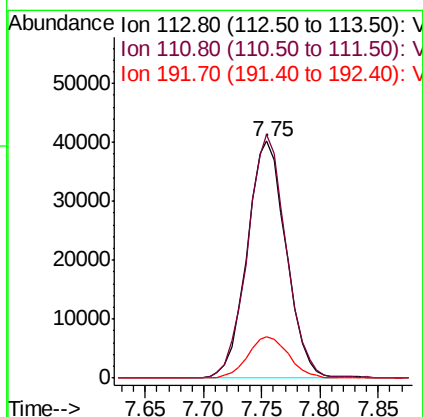
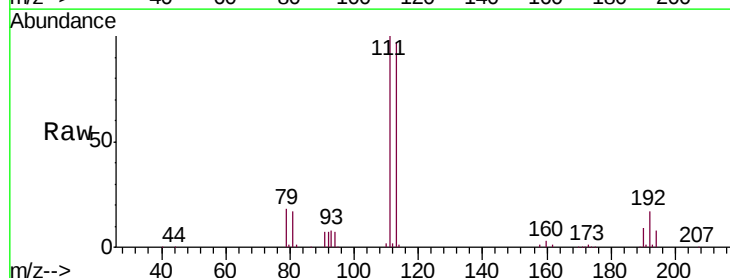
Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-107-2-3

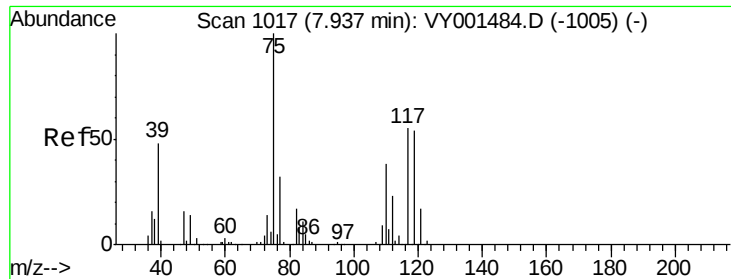
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	39.8
88	15.8	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 53.130 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001510.D
 Acq: 05 Feb 2020 16:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	18.3	14.6	22.0

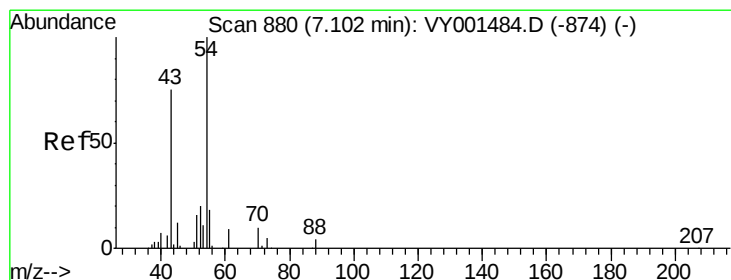
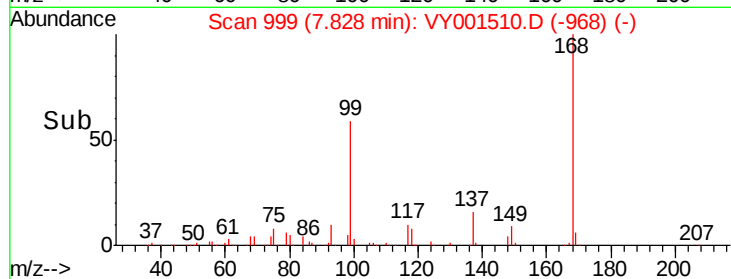
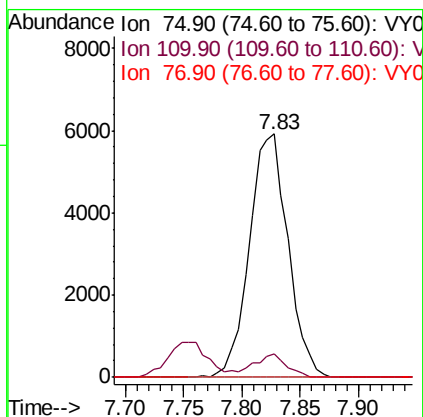
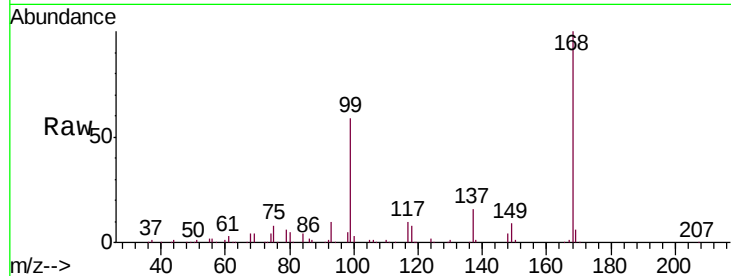




#36
 1,1-Dichloropropene
 Concen: 4.853 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001510.D
 Acq: 05 Feb 2020 16:27

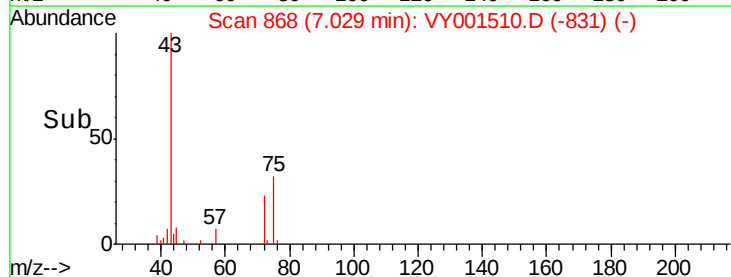
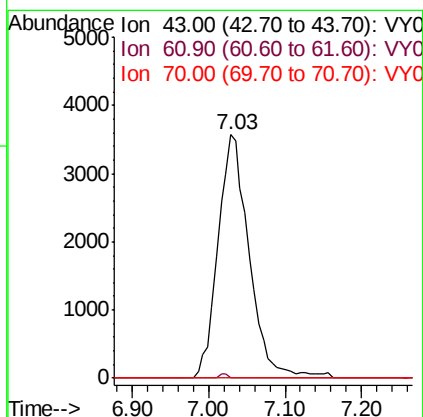
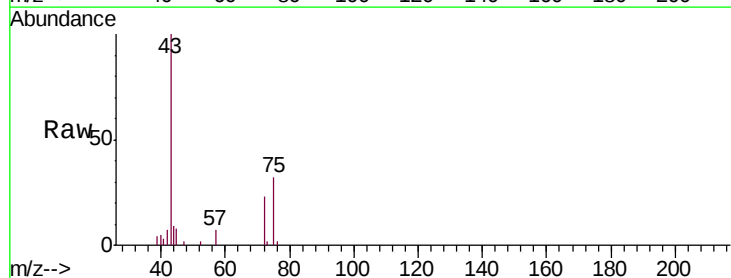
Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-107-2-3

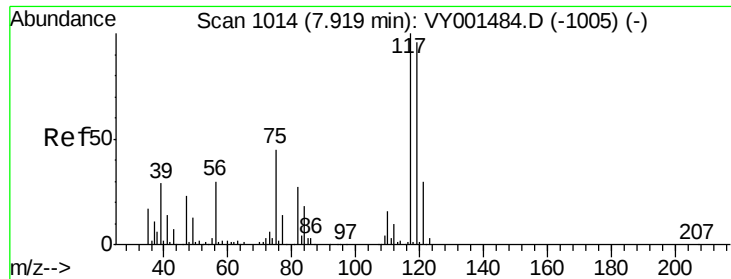
Tgt Ion: 75 Resp: 13594
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.2 54.6#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 7.434 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. -0.07 min
 Lab File: VY001510.D
 Acq: 05 Feb 2020 16:27

Tgt Ion: 43 Resp: 10081
 Ion Ratio Lower Upper
 43 100
 61 0.4 12.0 18.0#
 70 0.0 10.2 15.4#





#38

Carbon Tetrachloride

Concen: 6.283 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.09 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-107-2-3

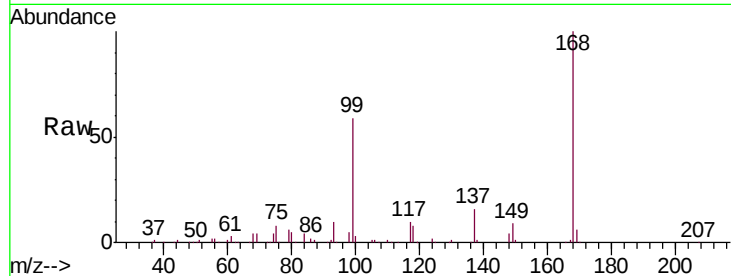
Tgt Ion:117 Resp: 17026

Ion Ratio Lower Upper

117 100

119 5.6 76.4 114.6#

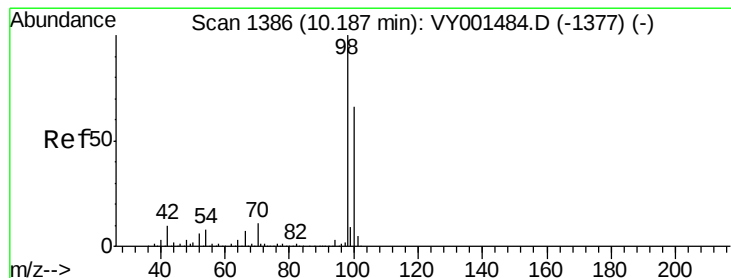
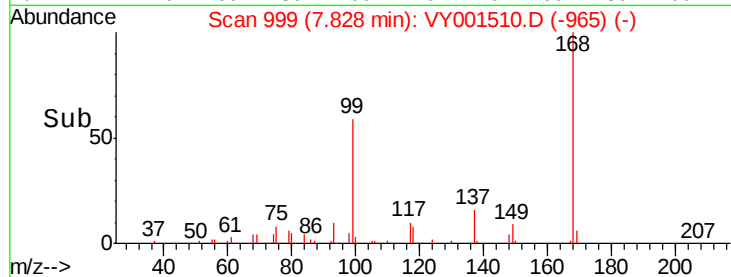
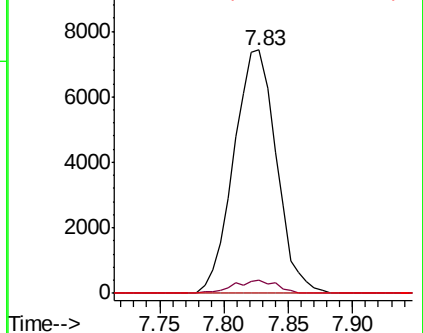
121 0.0 24.2 36.4#



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: 54.349 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001510.D

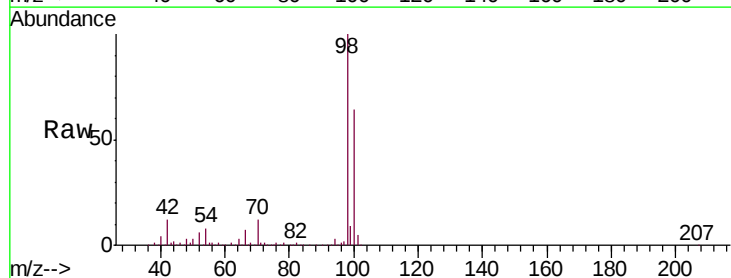
Acq: 05 Feb 2020 16:27

Tgt Ion: 98 Resp: 363063

Ion Ratio Lower Upper

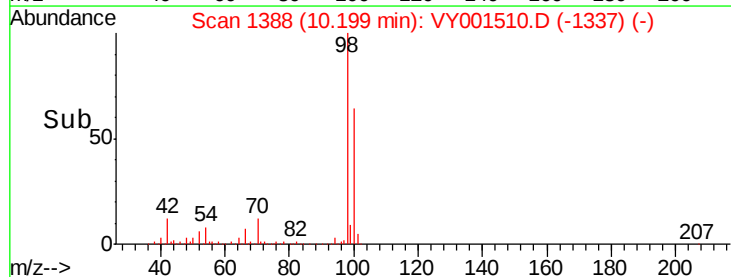
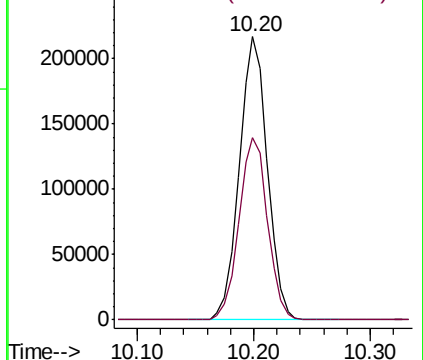
98 100

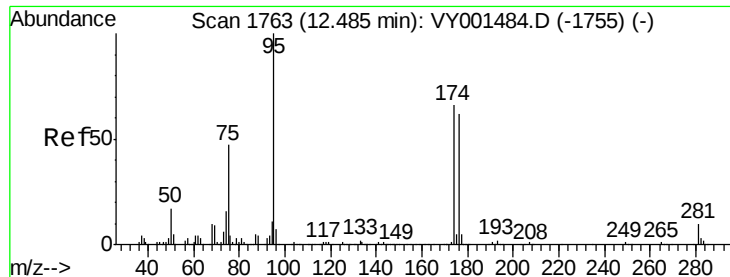
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

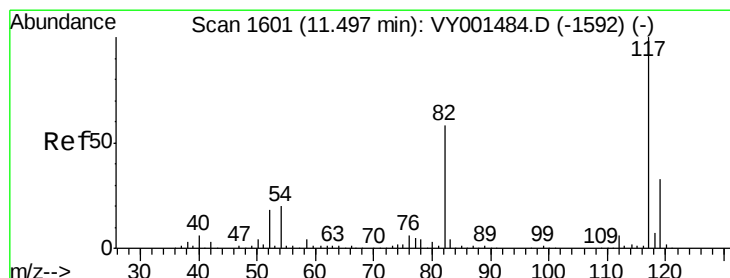
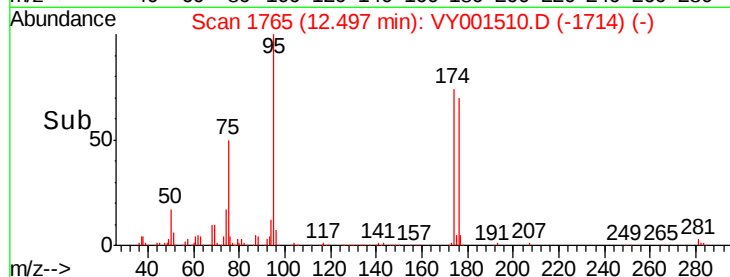
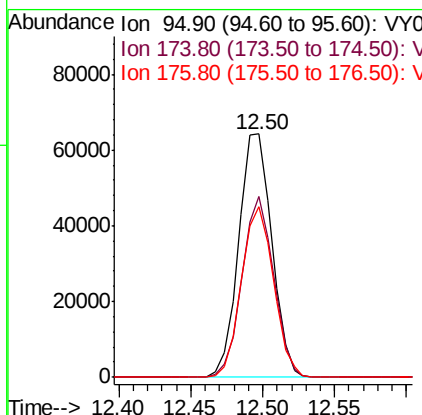
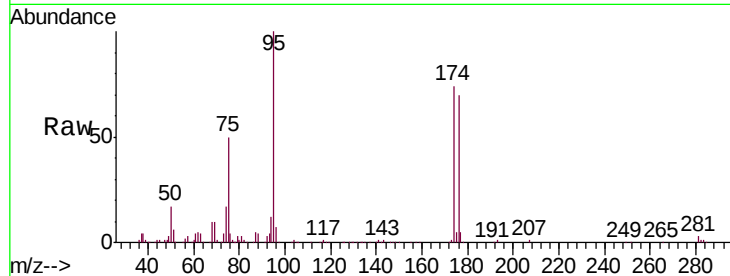




#62
4-Bromofluorobenzene
Concen: 38.915 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001510.D
Acq: 05 Feb 2020 16:27

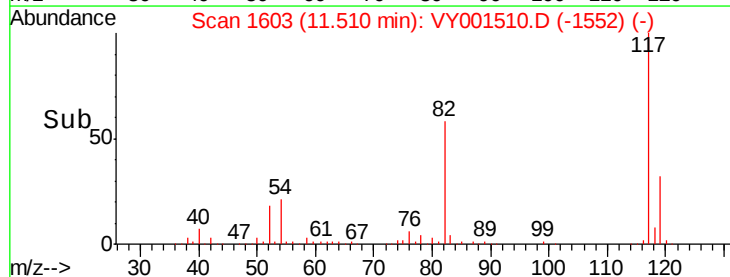
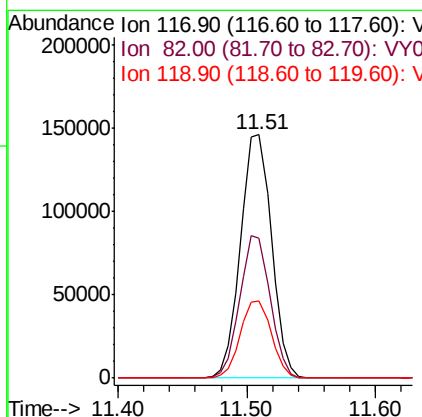
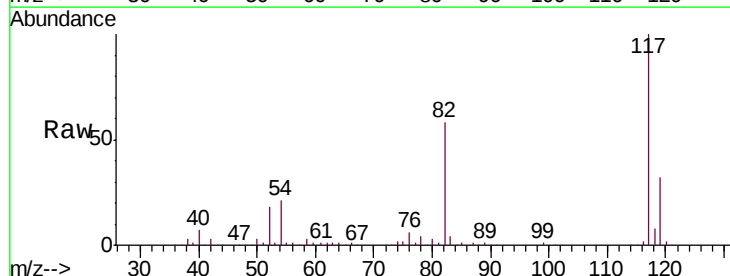
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-107-2-3

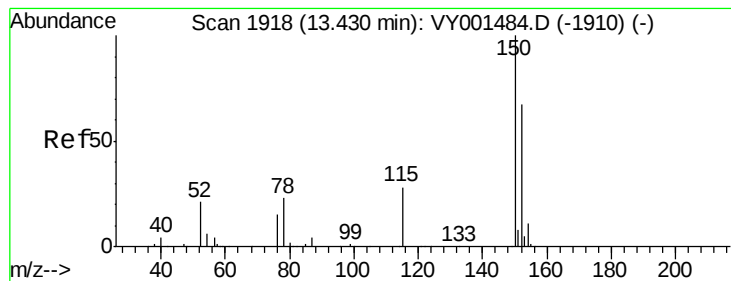
Tgt Ion: 95 Resp: 102411
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.4
176 67.9 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001510.D
Acq: 05 Feb 2020 16:27

Tgt Ion: 117 Resp: 243220
Ion Ratio Lower Upper
117 100
82 57.6 46.1 69.1
119 31.9 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-107-2-3

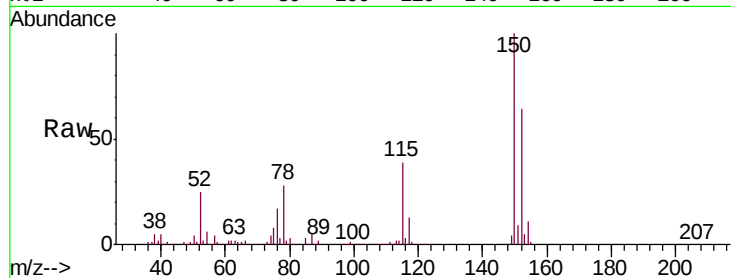
Tgt Ion:152 Resp: 72612

Ion Ratio Lower Upper

152 100

115 60.7 31.4 94.3

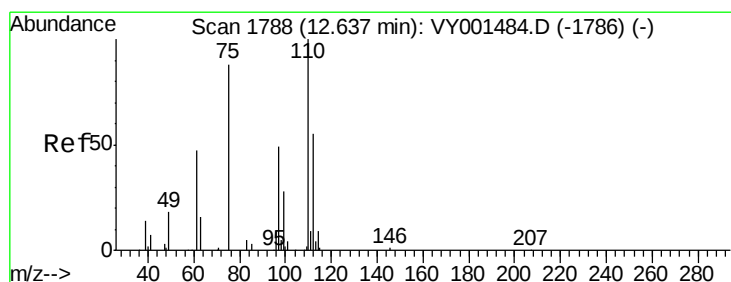
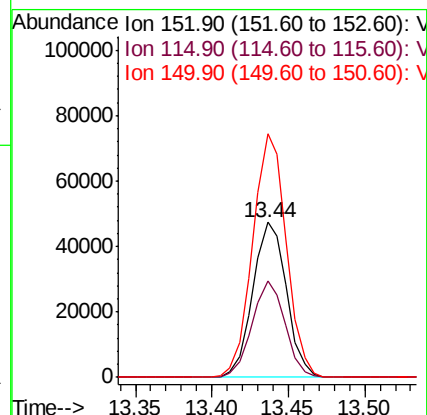
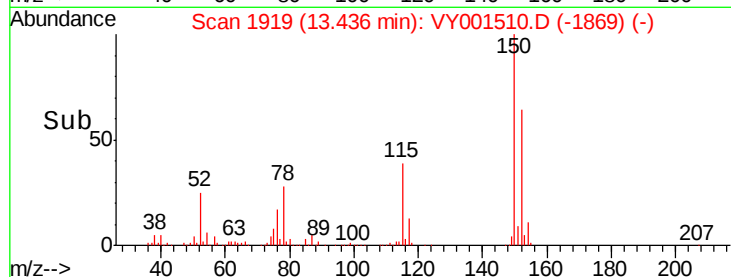
150 156.8 0.0 346.8



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: 64.524 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY001510.D

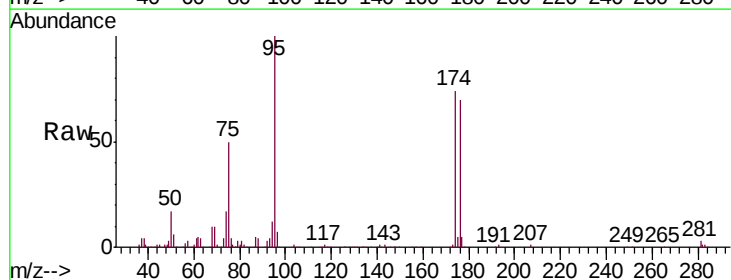
Acq: 05 Feb 2020 16:27

Tgt Ion: 75 Resp: 50385

Ion Ratio Lower Upper

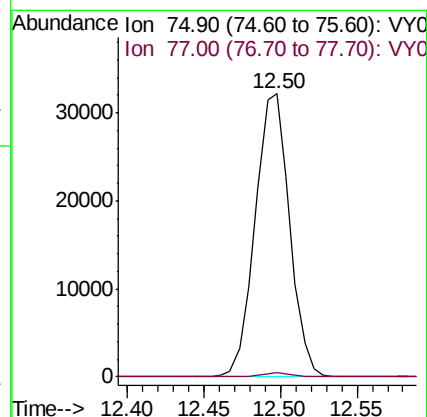
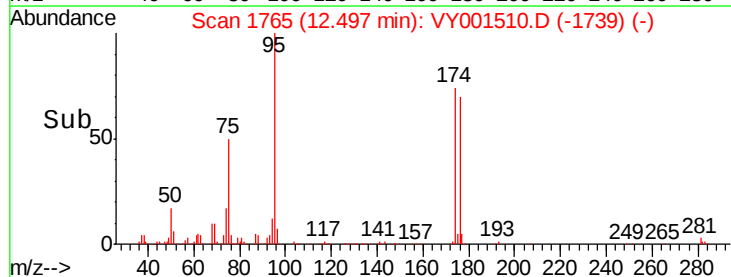
75 100

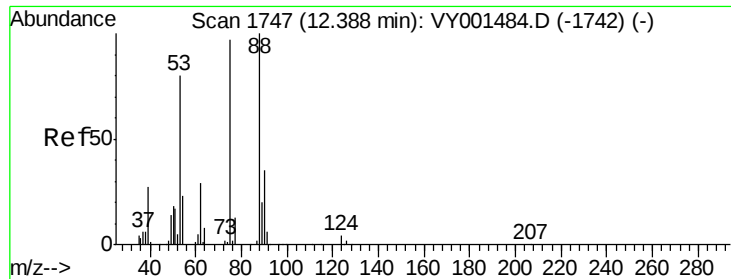
77 1.4 0.0 0.0#



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: 124.851 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001510.D

Acq: 05 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-107-2-3

Tgt Ion: 75 Resp: 50385

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

