

Data File : VY001509.D
Acq On : 05 Feb 2020 16:05
Operator : SY/MD
Sample : L1393-02
Misc : 6.83G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-07-2-3

Quant Time: Feb 06 07:00:10 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	170677	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	313681	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	253276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	79067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103164	60.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	120.06%	
35) Dibromofluoromethane	7.75	113	95895	53.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	10.20	98	367798	53.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.49	95	107567	39.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.80%	

Target Compounds

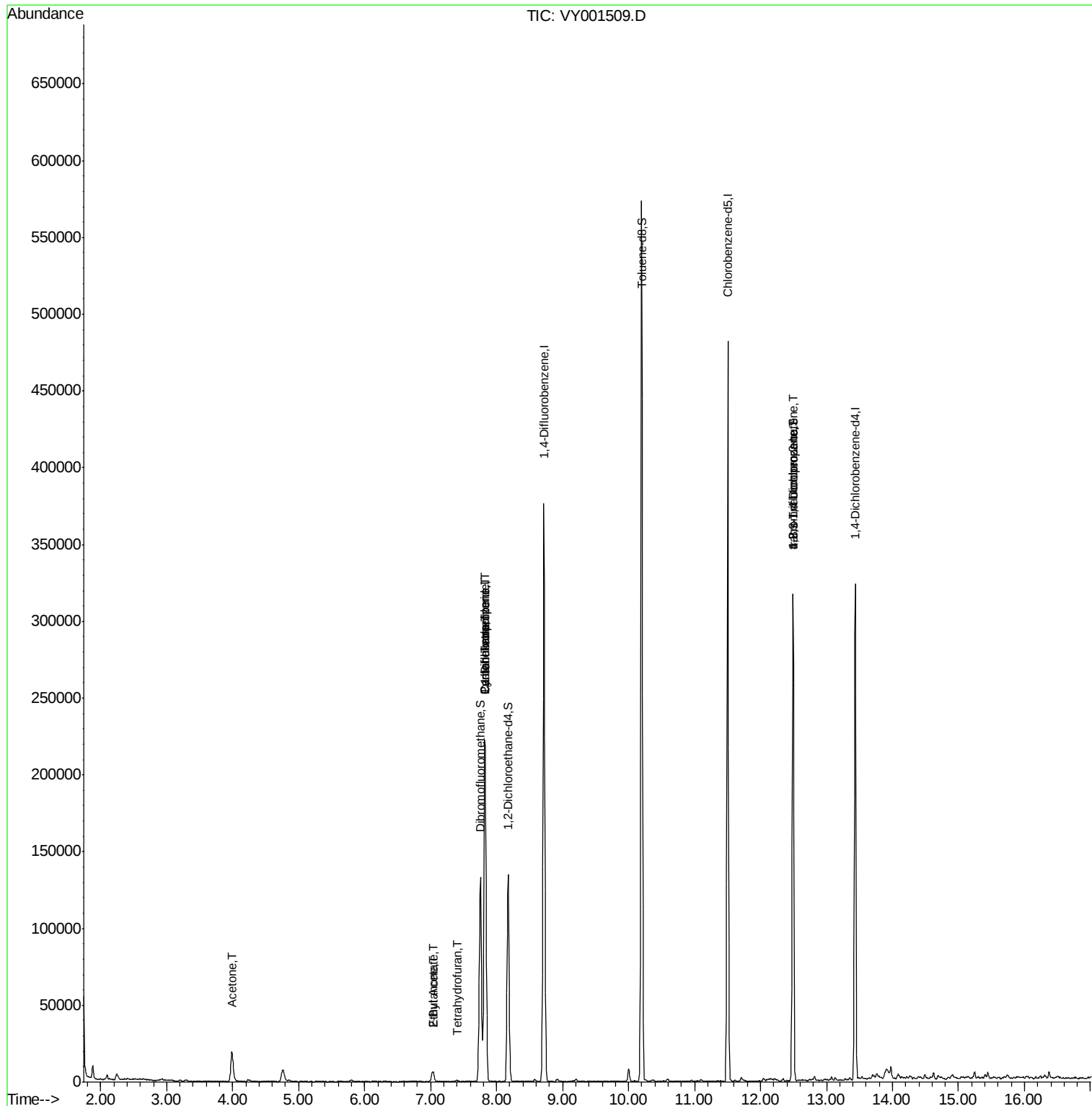
						Qvalue
11) Tert butyl alcohol	4.98	59	50	Below Cal	#	76
16) Acetone	3.99	43	33518	67.429	ug/l	98
20) Methylene Chloride	4.75	84	5989	Below Cal	#	87
25) 2-Butanone	7.04	43	10765	16.693	ug/l	91
29) Tetrahydrofuran	7.40	42	527	1.363	ug/l #	65
31) Cyclohexane	7.82	56	4040	1.207	ug/l #	7
36) 1,1-Dichloropropene	7.82	75	14518	5.059	ug/l #	48
37) Ethyl Acetate	7.04	43	10765	7.749	ug/l #	66
38) Carbon Tetrachloride	7.82	117	17696	6.374	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	53748	63.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53748	122.311	ug/l #	16

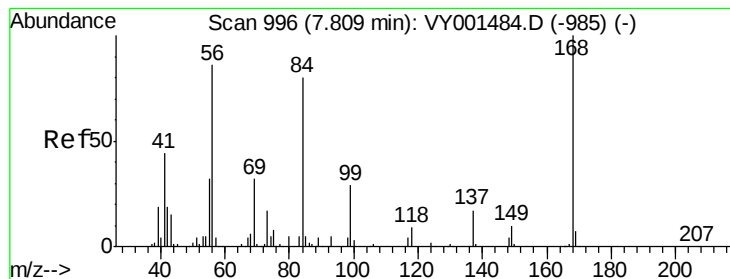
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

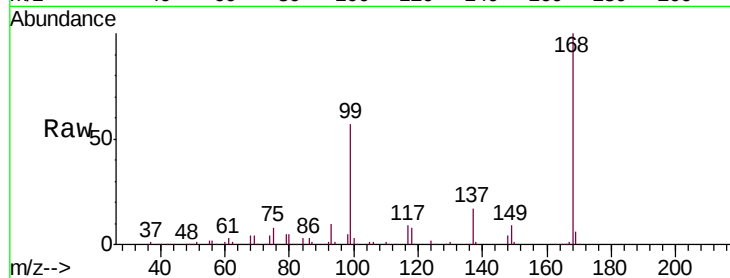
HAM-SB-07-2-3

Tgt Ion:168 Resp: 170677

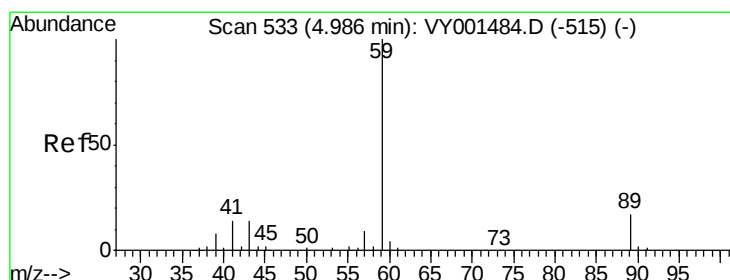
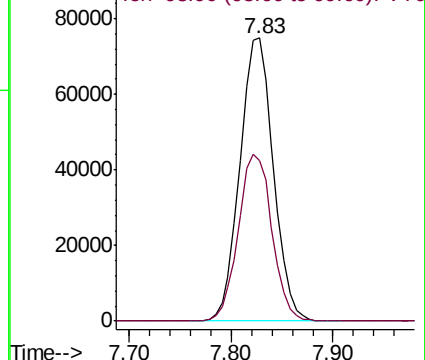
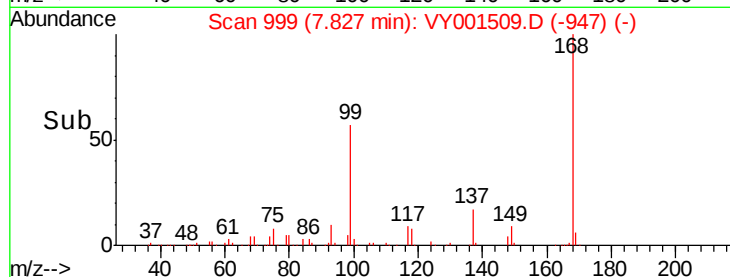
Ion Ratio Lower Upper

168 100

99 56.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001509.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001509.D

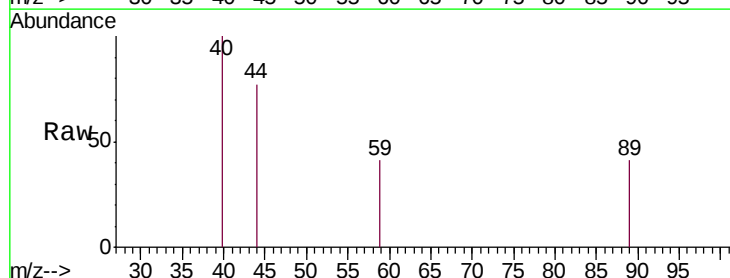
Acq: 05 Feb 2020 16:05

Tgt Ion: 59 Resp: 50

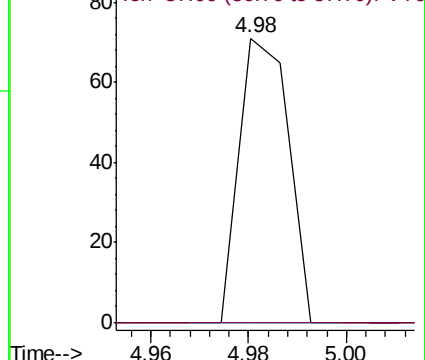
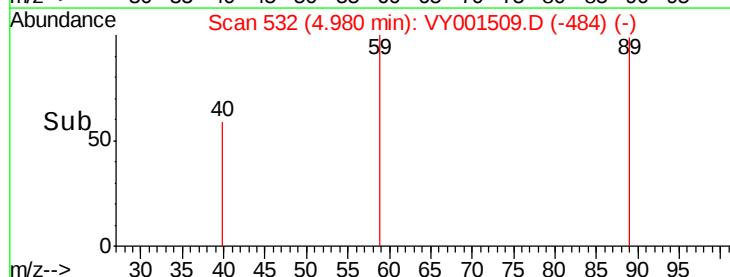
Ion Ratio Lower Upper

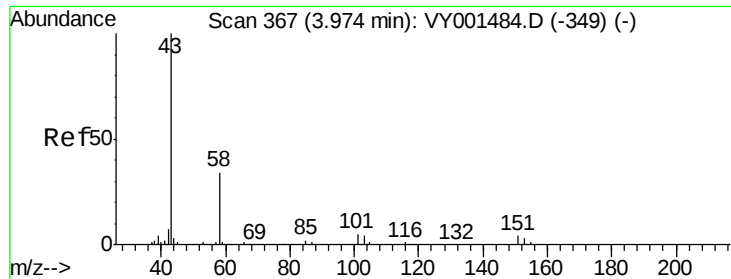
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001509.D (-484) (-)





#16

Acetone

Concen: 67.429 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

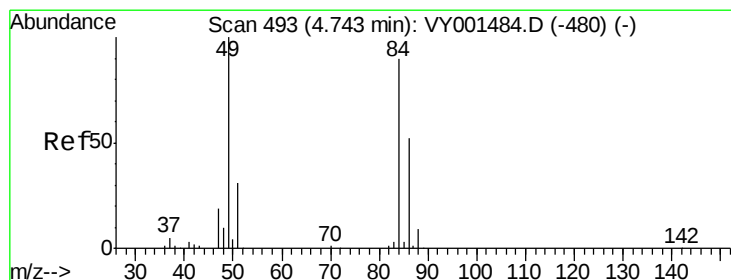
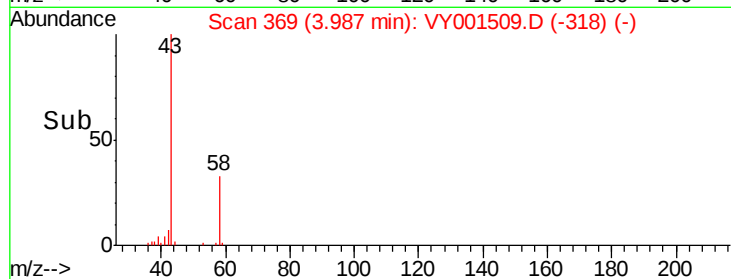
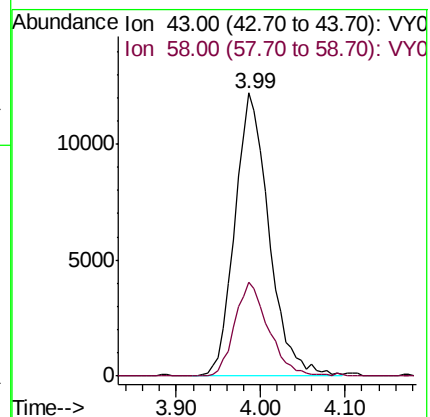
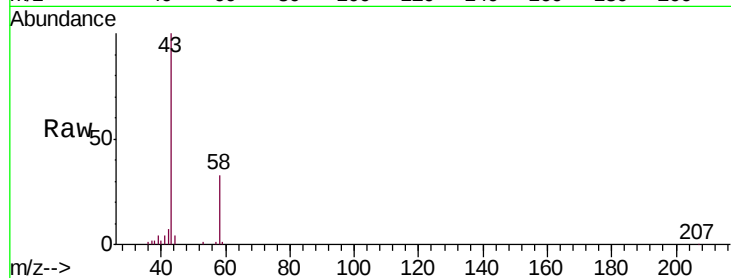
HAM-SB-07-2-3

Tgt Ion: 43 Resp: 33518

Ion Ratio Lower Upper

43 100

58 33.4 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

Tgt Ion: 84 Resp: 5989

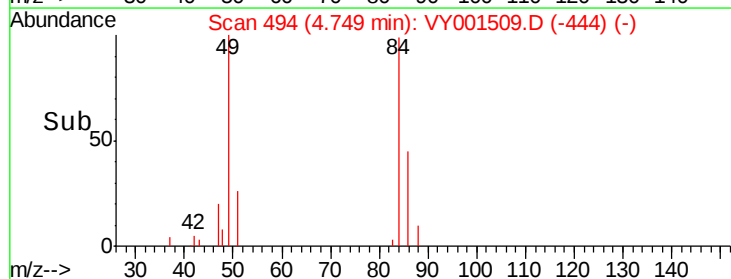
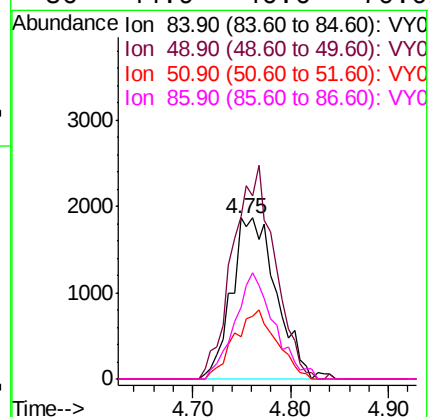
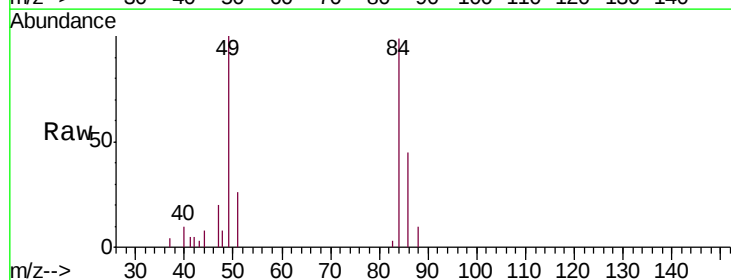
Ion Ratio Lower Upper

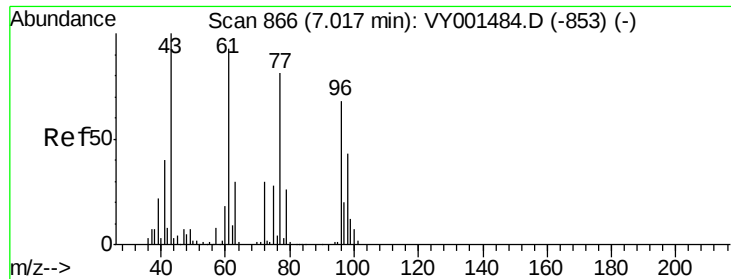
84 100

49 100.9 89.0 133.6

51 26.4 27.4 41.2#

86 44.9 46.6 70.0#





#25

2-Butanone

Concen: 16.693 ug/l

RT: 7.04 min Scan# 870

Delta R.T. 0.02 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

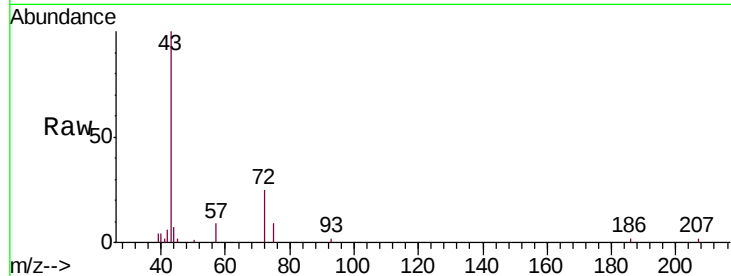
HAM-SB-07-2-3

Tgt Ion: 43 Resp: 10765

Ion Ratio Lower Upper

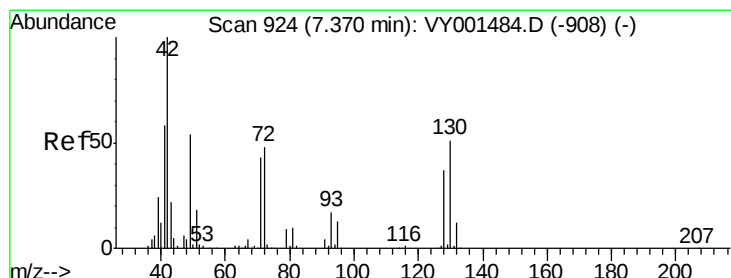
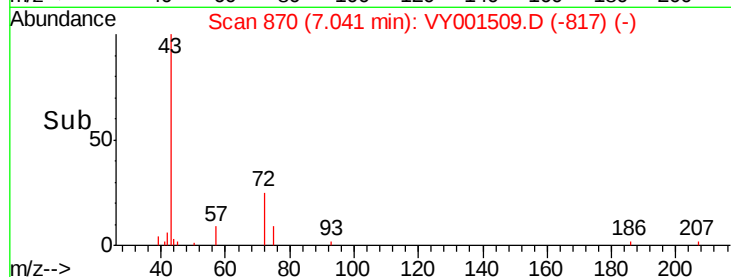
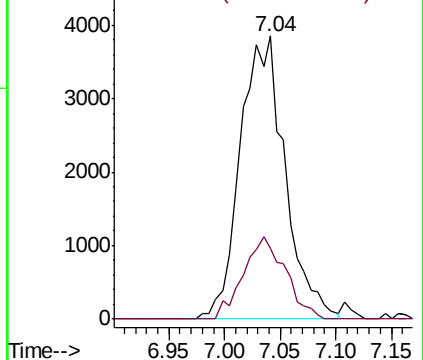
43 100

72 24.9 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: 1.363 ug/l

RT: 7.40 min Scan# 929

Delta R.T. 0.03 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

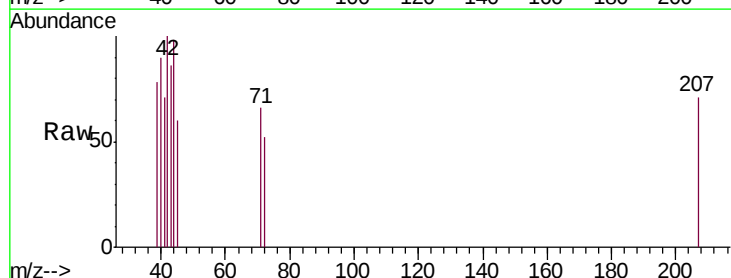
Tgt Ion: 42 Resp: 527

Ion Ratio Lower Upper

42 100

72 30.4 37.8 56.6#

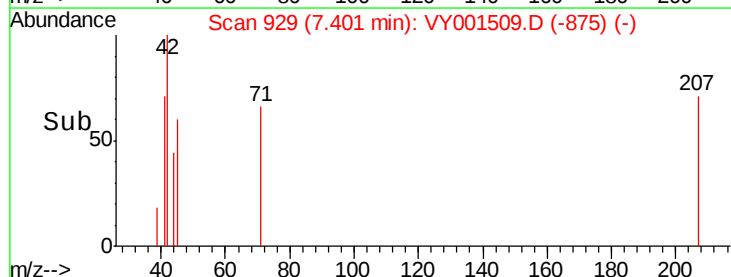
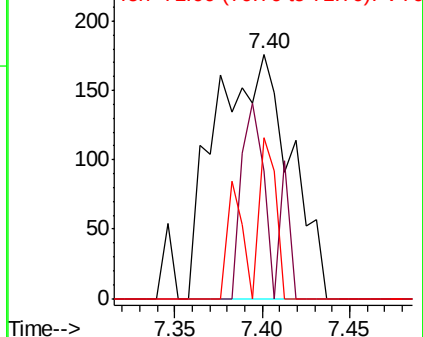
71 14.4 34.8 52.2#

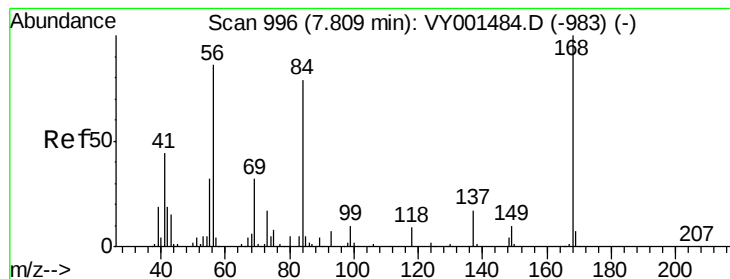


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-07-2-3

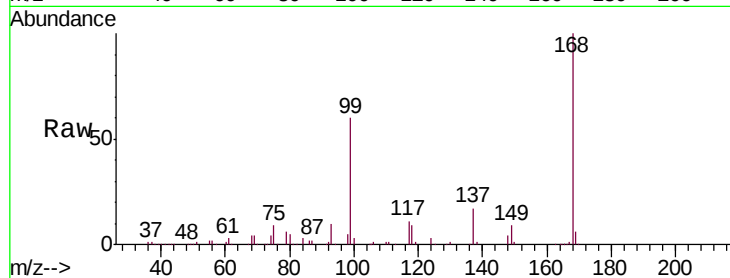
Tgt Ion: 56 Resp: 4040

Ion Ratio Lower Upper

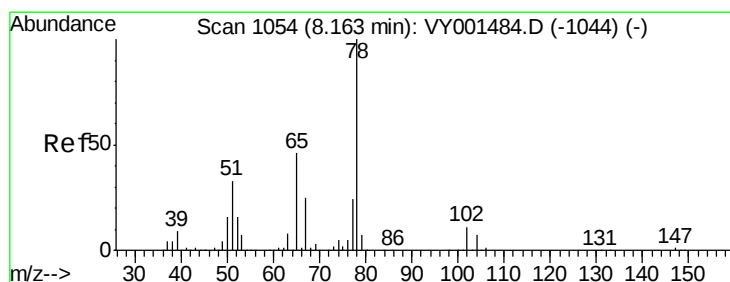
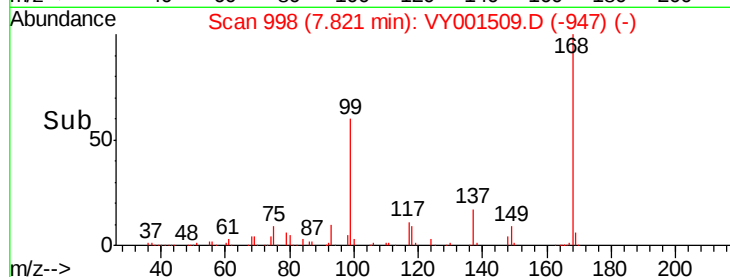
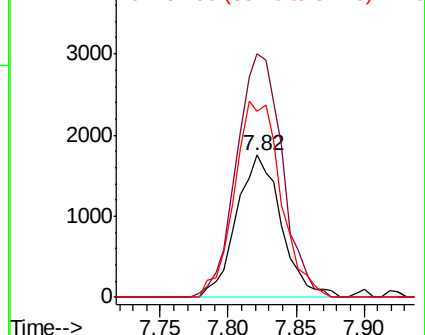
56 100

69 171.1 29.6 44.4#

84 130.4 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: 60.032 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001509.D

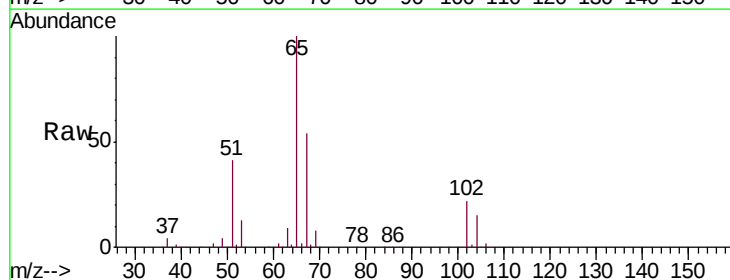
Acq: 05 Feb 2020 16:05

Tgt Ion: 65 Resp: 103164

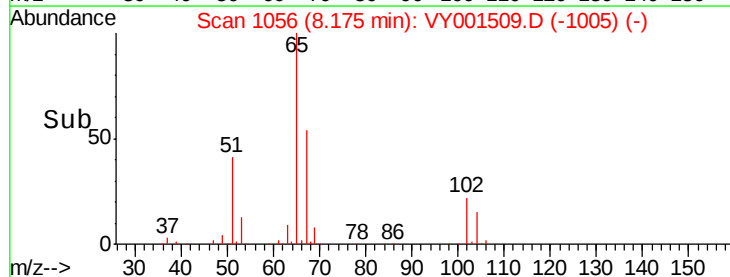
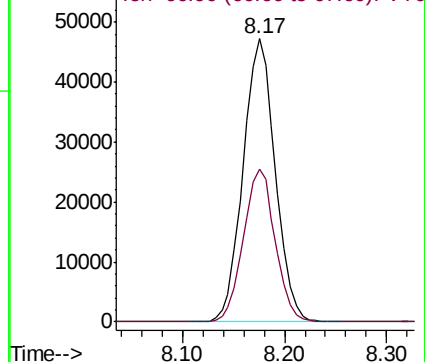
Ion Ratio Lower Upper

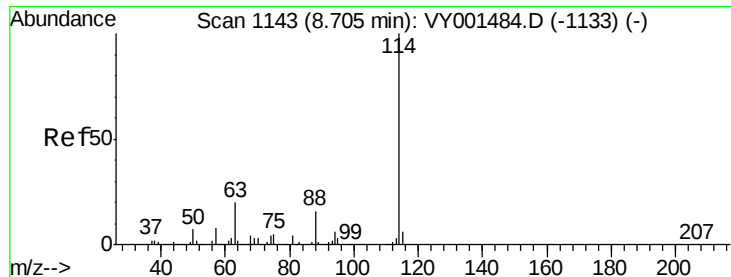
65 100

67 53.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

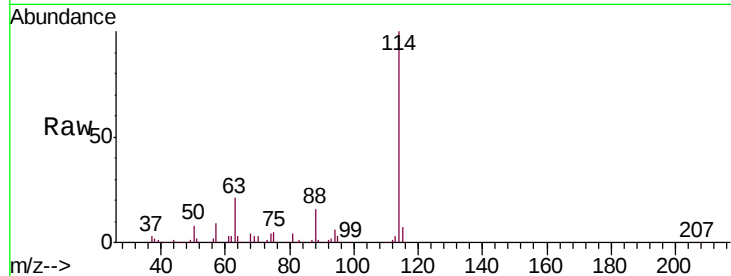




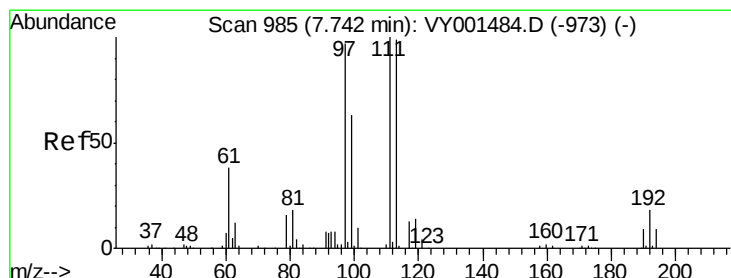
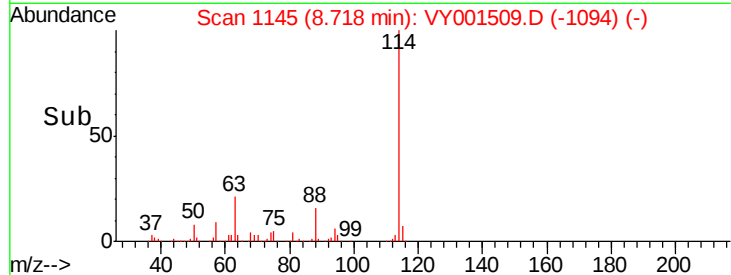
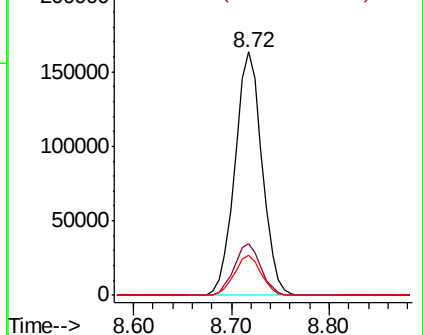
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001509.D
 Acq: 05 Feb 2020 16:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 HAM-SB-07-2-3

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.8
88	16.2	0.0	32.6

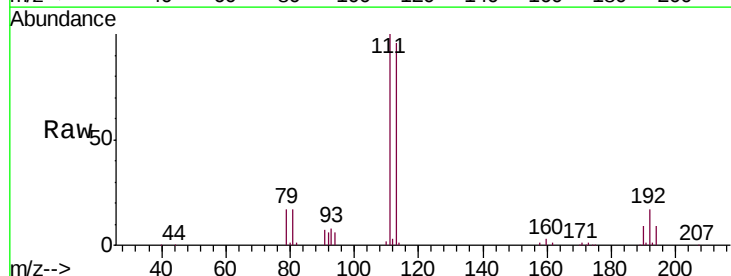


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

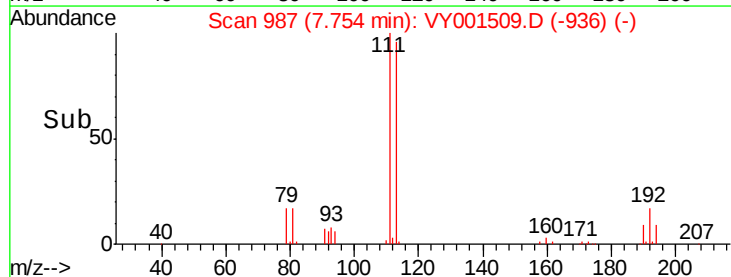
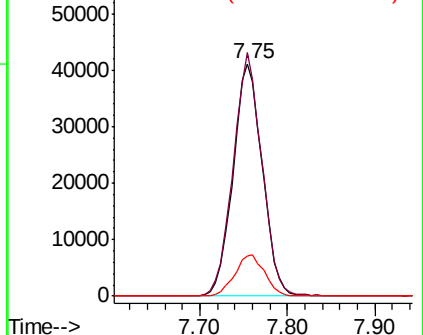


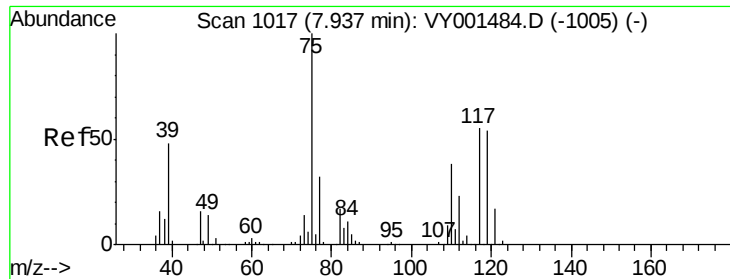
#35
 Dibromofluoromethane
 Concen: 53.015 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001509.D
 Acq: 05 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	18.0	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: 5.059 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-07-2-3

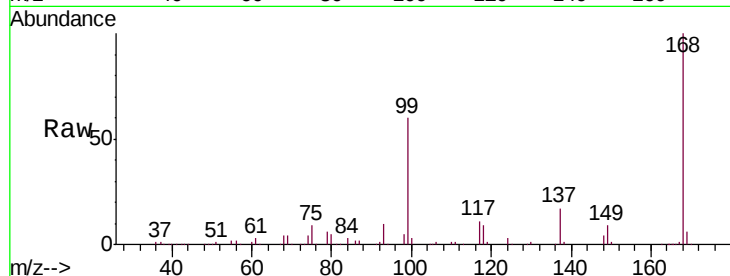
Tgt Ion: 75 Resp: 14518

Ion Ratio Lower Upper

75 100

110 8.3 18.2 54.6#

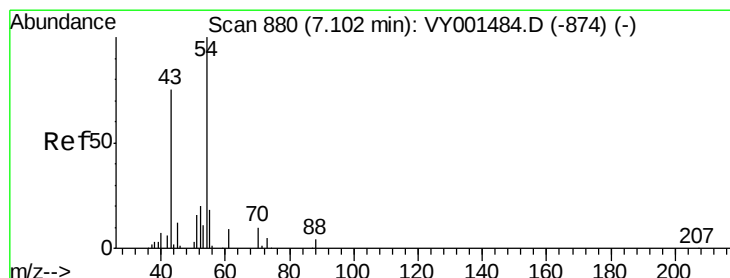
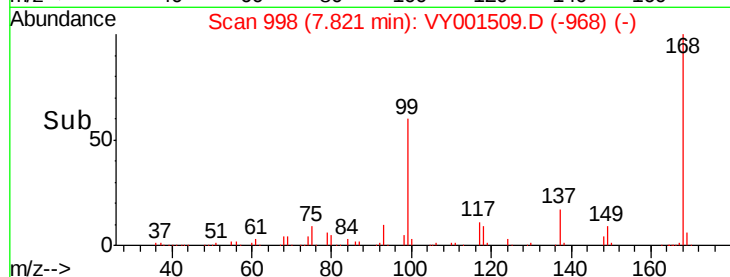
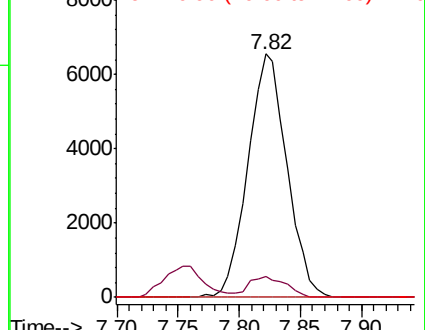
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 7.749 ug/l

RT: 7.04 min Scan# 870

Delta R.T. -0.06 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

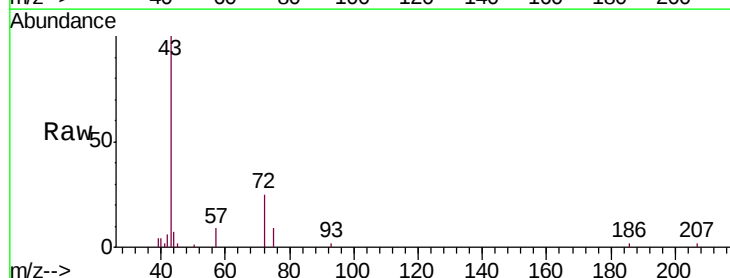
Tgt Ion: 43 Resp: 10765

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

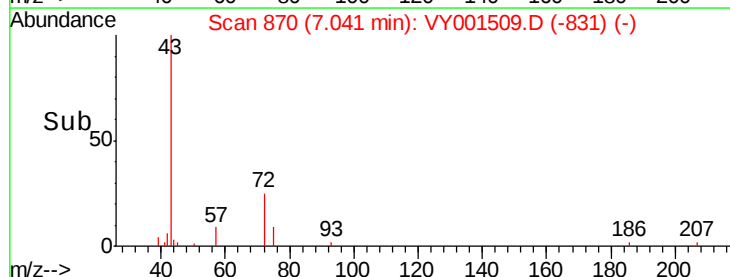
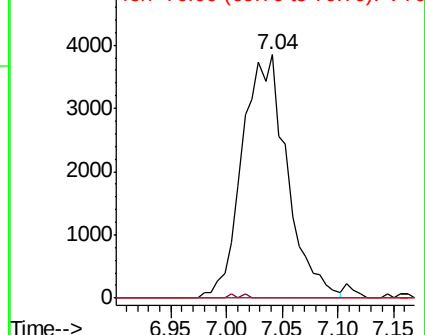
70 0.0 10.2 15.4#

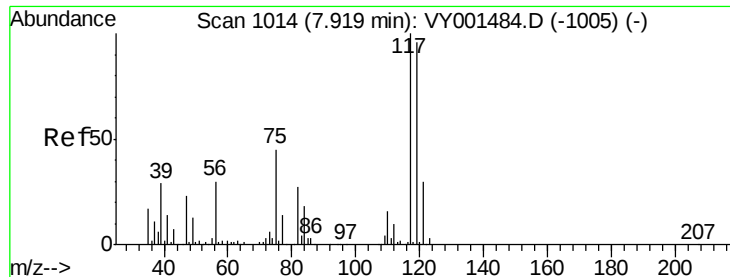


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0

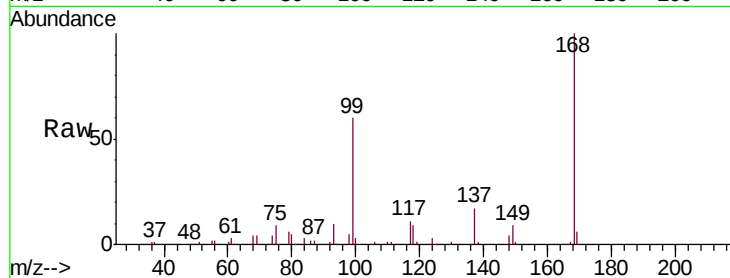




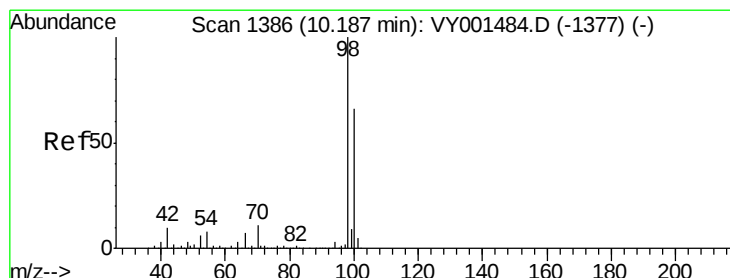
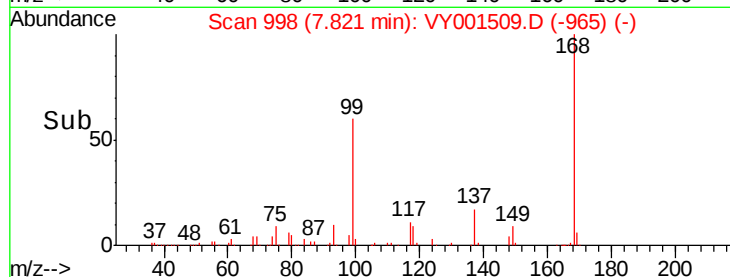
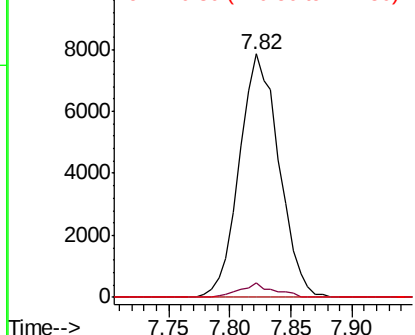
#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001509.D
Acq: 05 Feb 2020 16:05

Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-07-2-3

Tgt Ion:117 Resp: 17696
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 24.2 36.4#

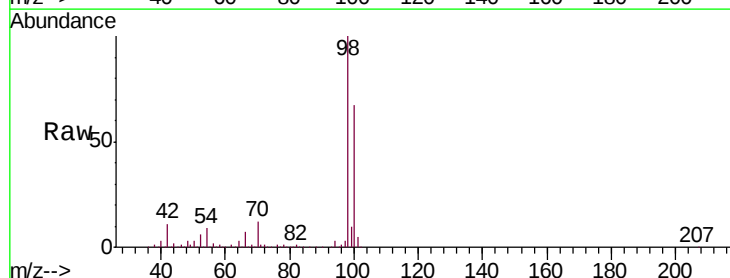


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

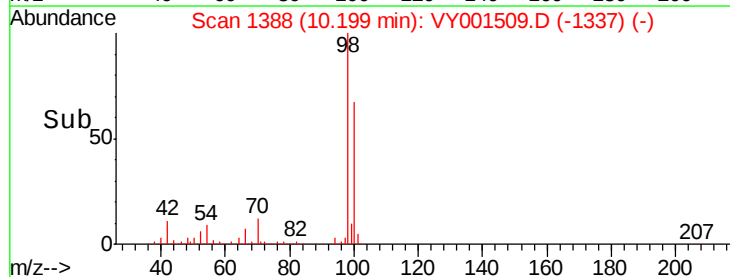
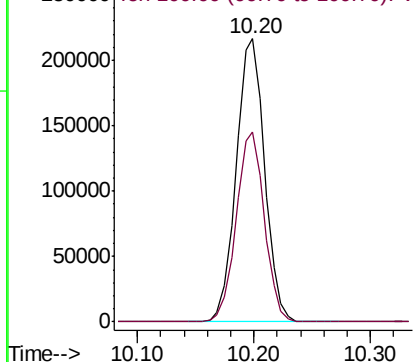


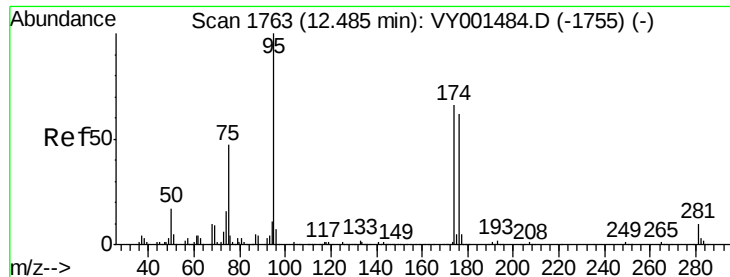
#50
Toluene-d8
Concen: 53.743 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001509.D
Acq: 05 Feb 2020 16:05

Tgt Ion: 98 Resp: 367798
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): V

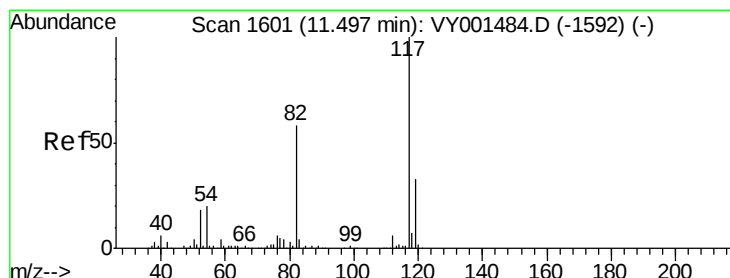
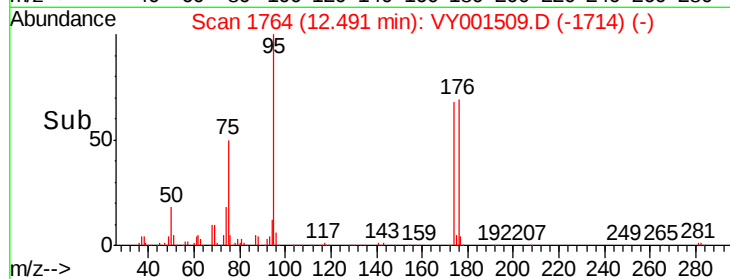
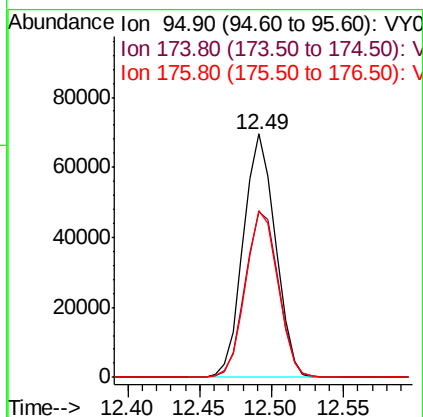
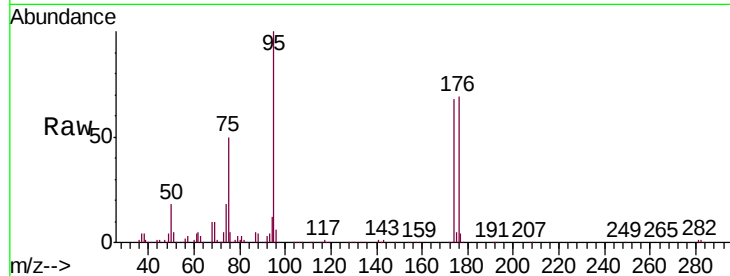




#62
4-Bromofluorobenzene
Concen: 39.899 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001509.D
Acq: 05 Feb 2020 16:05

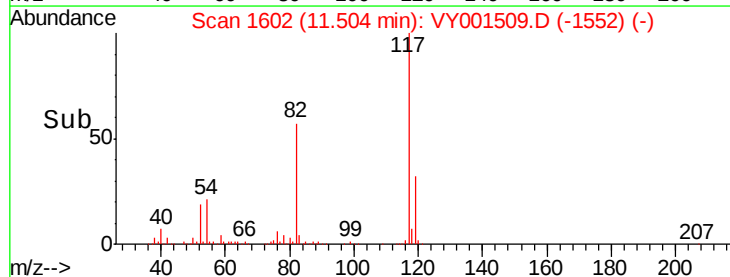
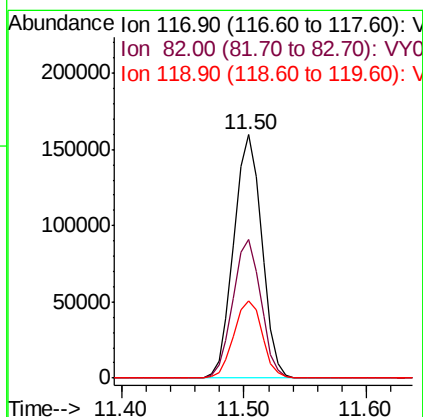
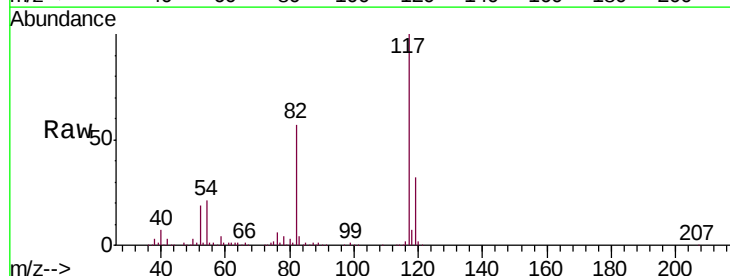
Instrument :
MSVOA_Y
ClientSampleId :
HAM-SB-07-2-3

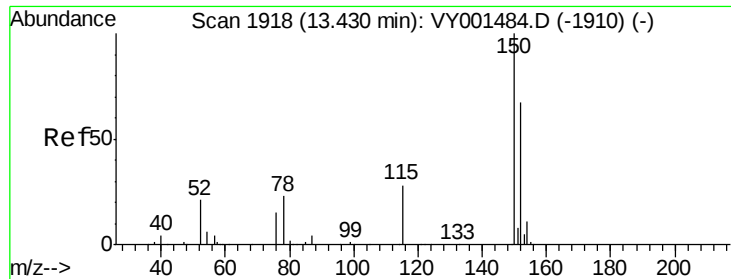
Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.4
176	68.9	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001509.D
Acq: 05 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.1	69.1
119	31.6	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: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-07-2-3

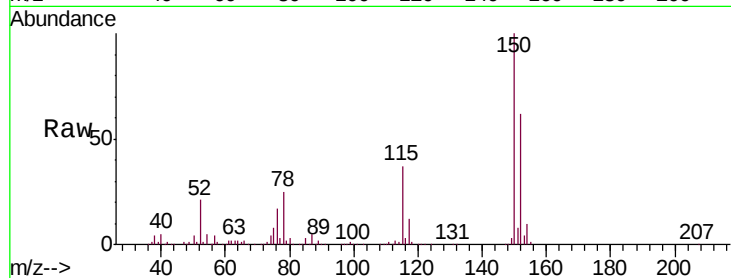
Tgt Ion:152 Resp: 79067

Ion Ratio Lower Upper

152 100

115 61.2 31.4 94.3

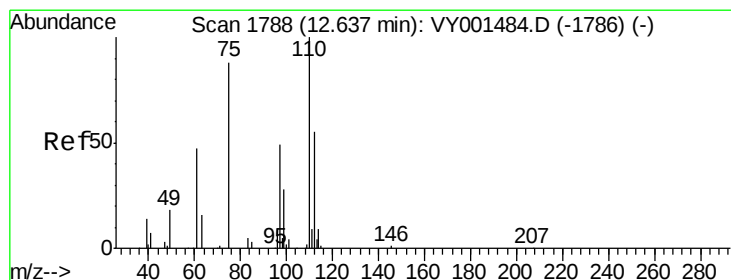
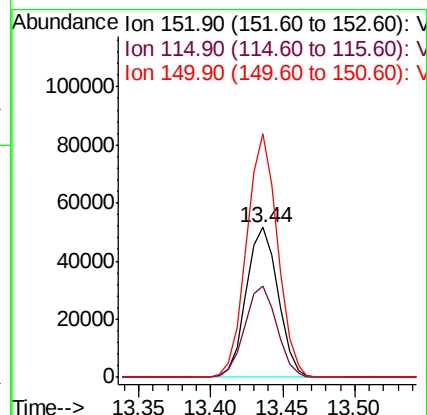
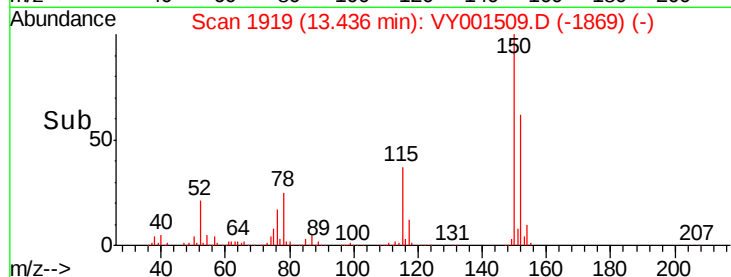
150 157.6 0.0 346.8



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: 63.211 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001509.D

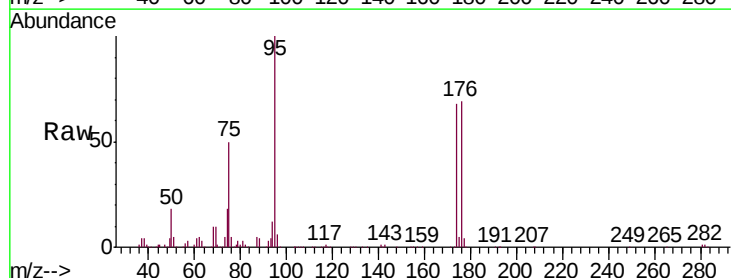
Acq: 05 Feb 2020 16:05

Tgt Ion: 75 Resp: 53748

Ion Ratio Lower Upper

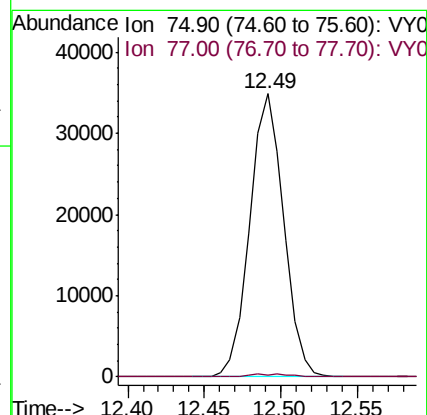
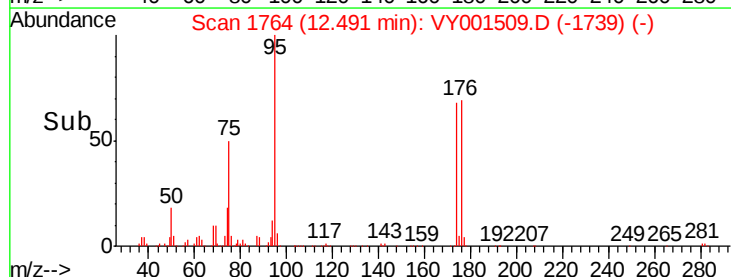
75 100

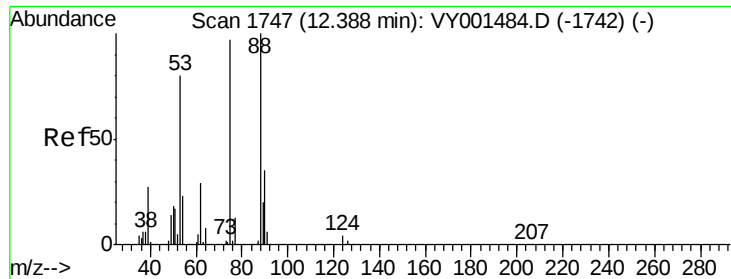
77 1.4 0.0 0.0#



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: 122.311 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001509.D

Acq: 05 Feb 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

HAM-SB-07-2-3

Tgt Ion: 75 Resp: 53748

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 34.6 52.0#

