

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032720\
 Data File : VY002111.D
 Acq On : 27 Mar 2020 17:23
 Operator : SY/MD
 Sample : L2049-08
 Misc : 8.96G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(10-12)

Quant Time: Mar 30 03:26:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	124011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	245464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	225161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	96939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	82384	60.09	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	120.18%	
35) Dibromofluoromethane	7.73	113	72710	52.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.74%	
50) Toluene-d8	10.19	98	301372	52.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.49	95	102898	51.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.98%	

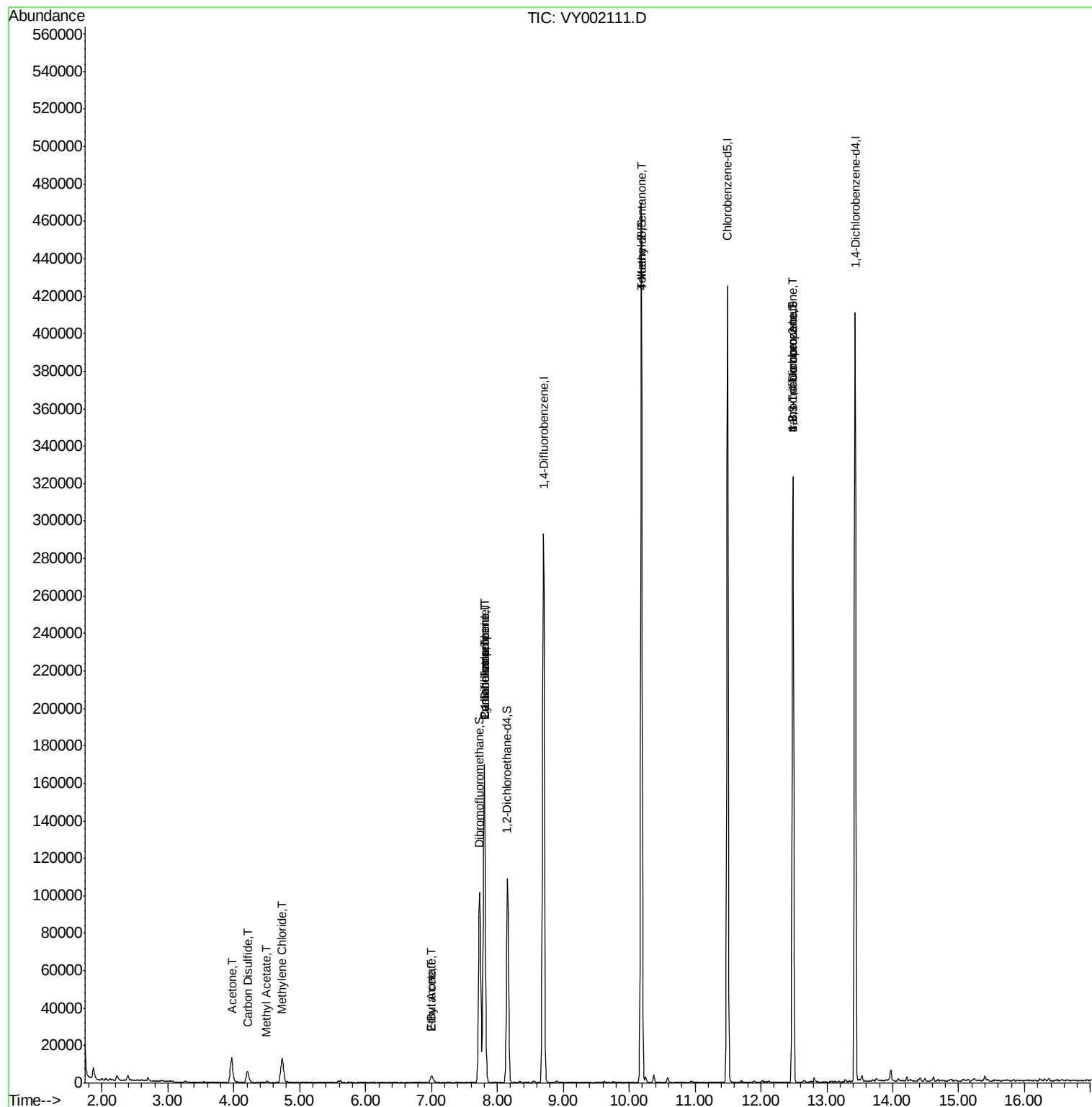
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	22850	59.327	ug/l	94
17) Carbon Disulfide	4.21	76	12261	2.746	ug/l #	93
18) Methyl Acetate	4.49	43	1156	1.156	ug/l #	71
20) Methylene Chloride	4.74	84	9761	1.112	ug/l	95
25) 2-Butanone	7.01	43	5197	8.788	ug/l #	81
31) Cyclohexane	7.80	56	3368	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11326	4.878	ug/l #	46
37) Ethyl Acetate	7.01	43	5197	3.704	ug/l #	68
38) Carbon Tetrachloride	7.80	117	13209	6.706	ug/l #	18
51) 4-Methyl-2-Pentanone	10.18	43	1533	1.143	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	53353	49.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53353	95.323	ug/l #	17

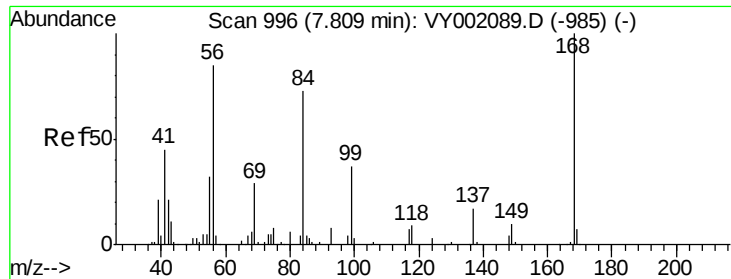
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

Instrument :

MSVOA_Y

ClientSampleId :

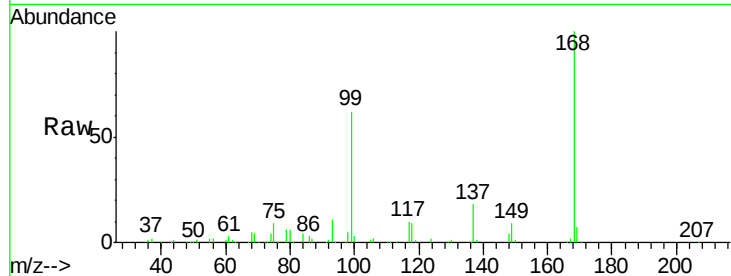
SB-4-(10-12)

Tgt Ion:168 Resp: 124011

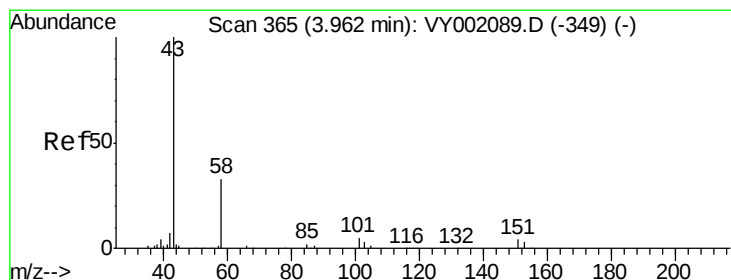
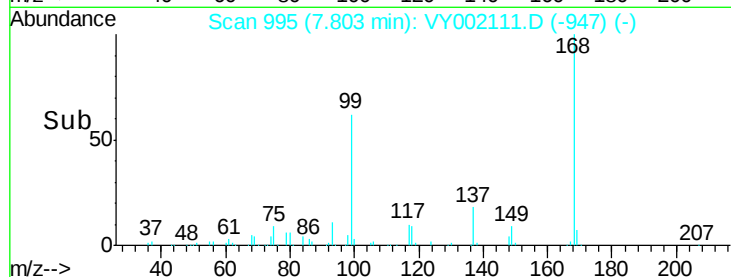
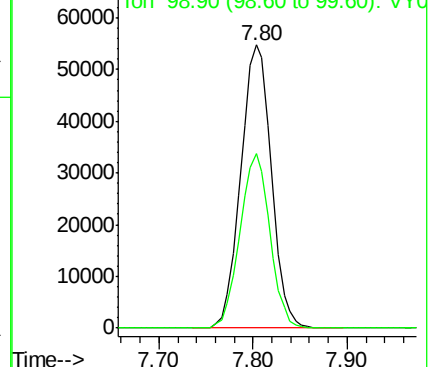
Ion Ratio Lower Upper

168 100

99 61.6 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002111.D (-947) (-)



#16

Acetone

Concen: 59.327 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002111.D

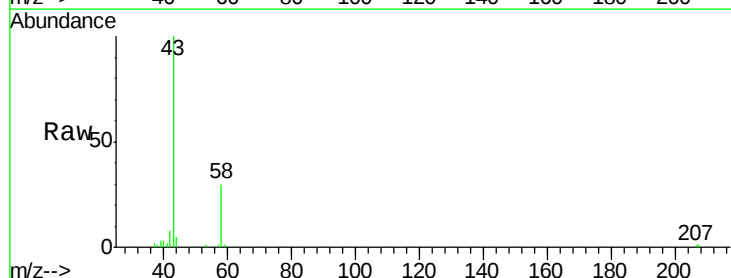
Acq: 27 Mar 2020 17:23

Tgt Ion: 43 Resp: 22850

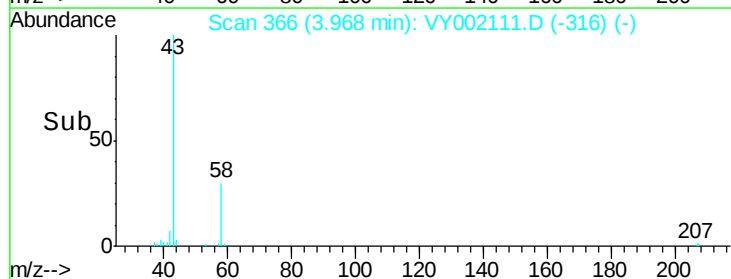
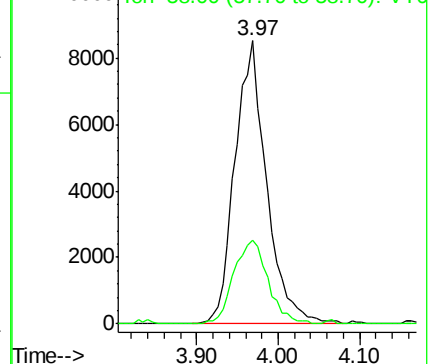
Ion Ratio Lower Upper

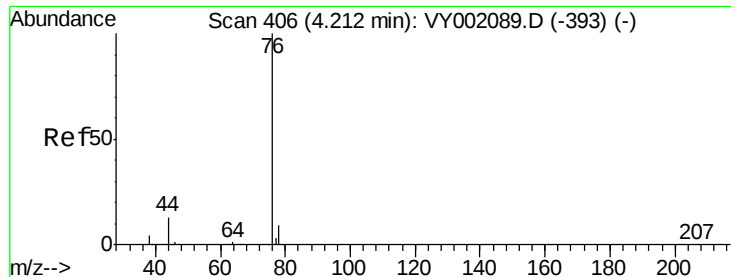
43 100

58 29.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002111.D (-316) (-)

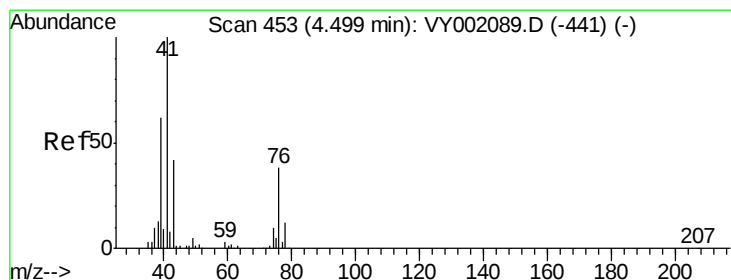
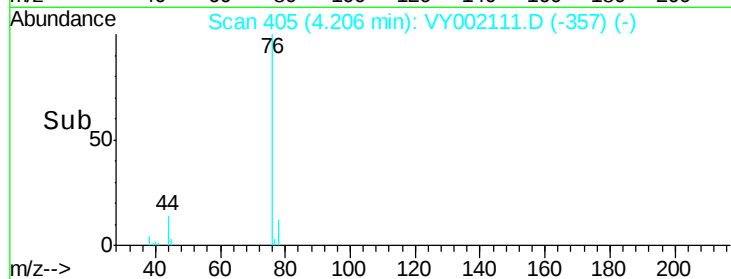
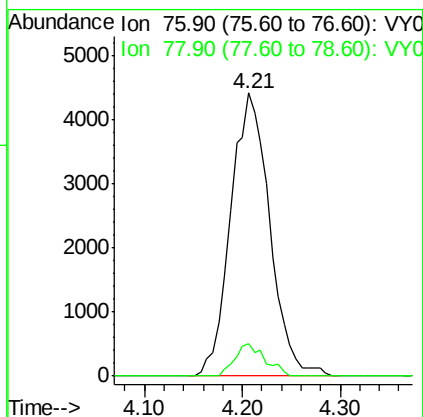
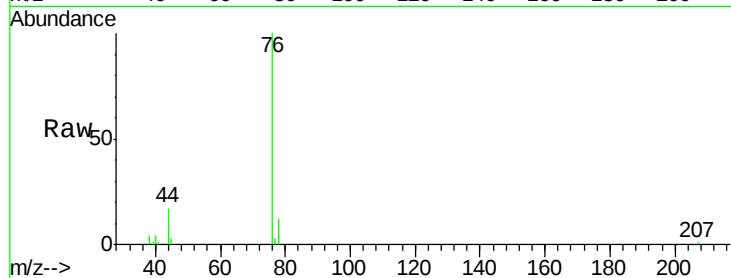




#17
Carbon Disulfide
Concen: 2.746 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

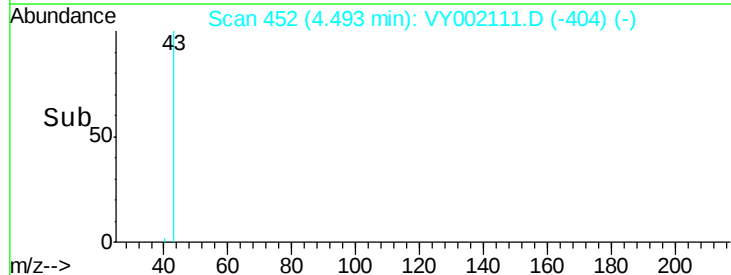
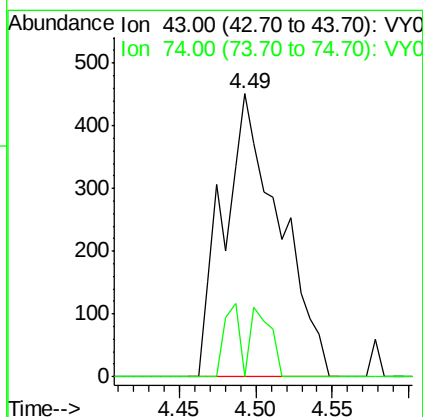
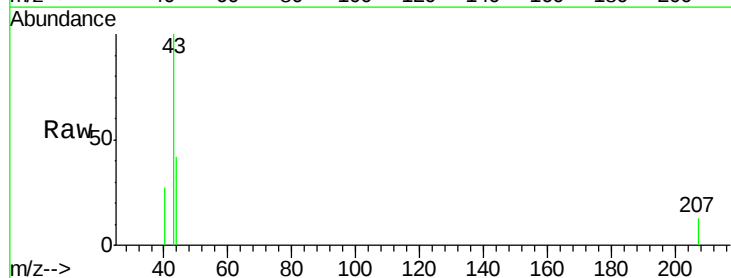
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(10-12)

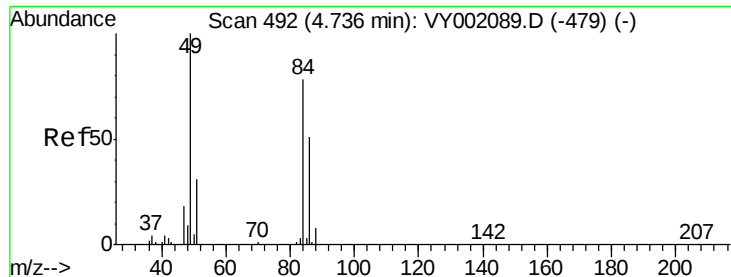
Tgt Ion: 76 Resp: 12261
Ion Ratio Lower Upper
76 100
78 11.6 7.3 10.9#



#18
Methyl Acetate
Concen: 1.156 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
74 8.7 18.3 27.5#

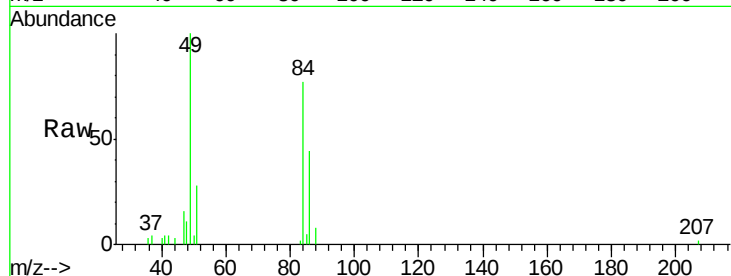




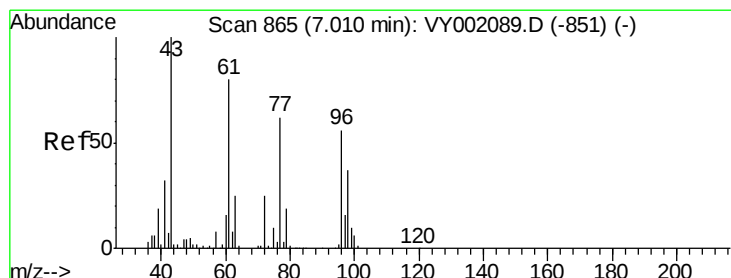
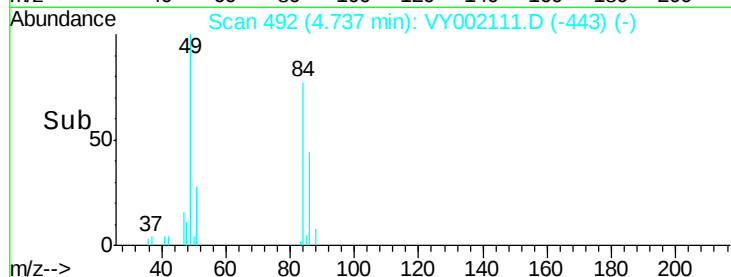
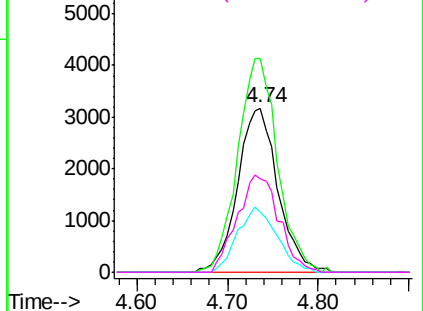
#20
Methylene Chloride
Concen: 1.112 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(10-12)

Tgt Ion: 84 Resp: 9761
Ion Ratio Lower Upper
84 100
49 130.0 102.2 153.4
51 37.0 31.2 46.8
86 57.3 52.6 78.8

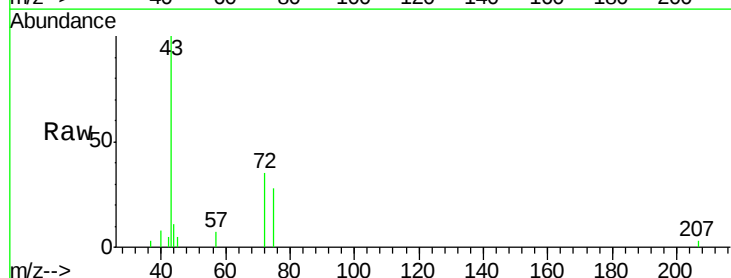


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

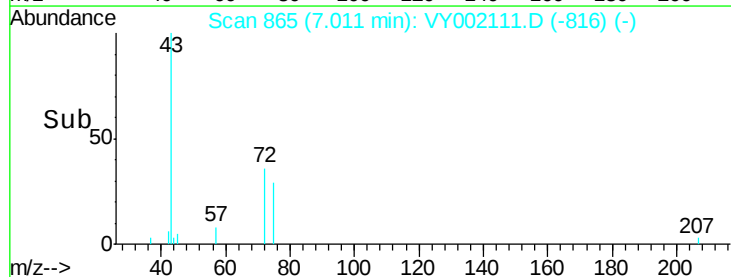
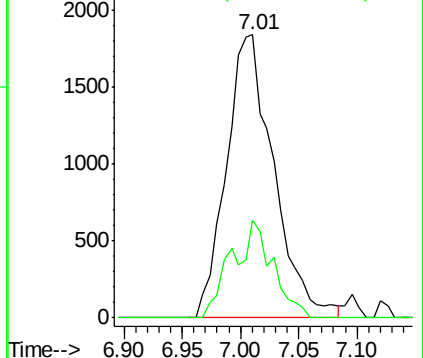


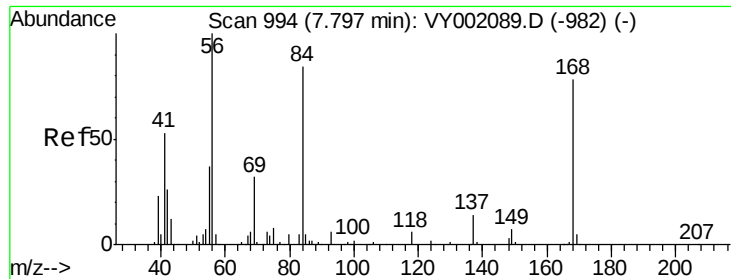
#25
2-Butanone
Concen: 8.788 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Tgt Ion: 43 Resp: 5197
Ion Ratio Lower Upper
43 100
72 34.6 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

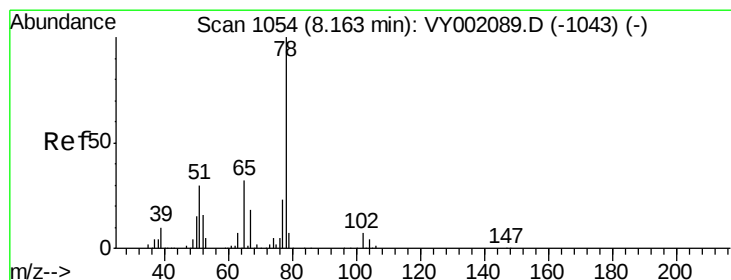
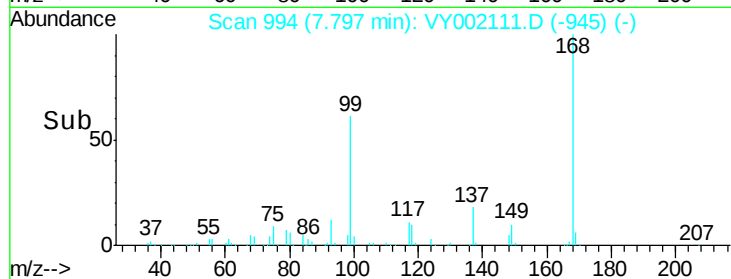
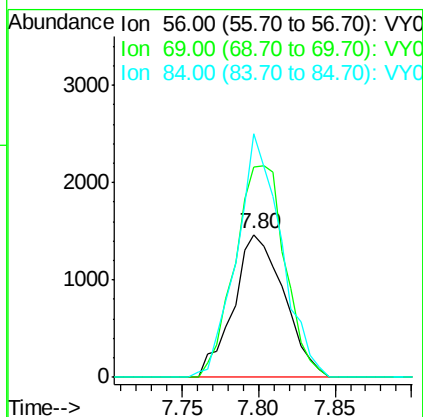
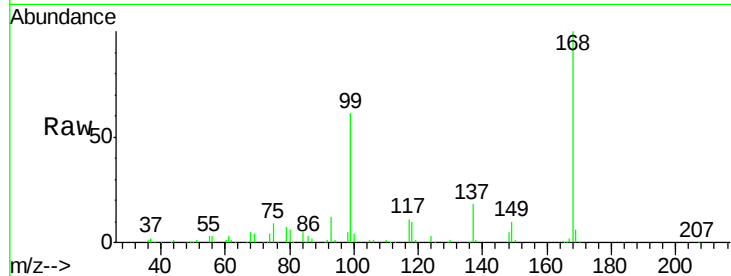




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

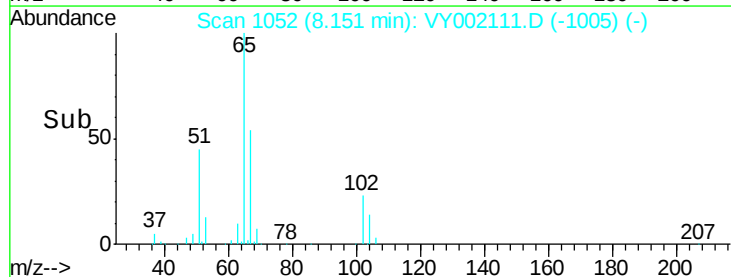
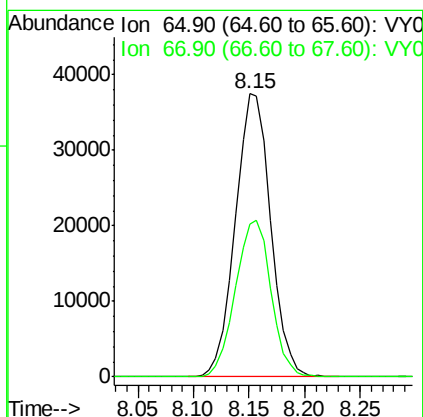
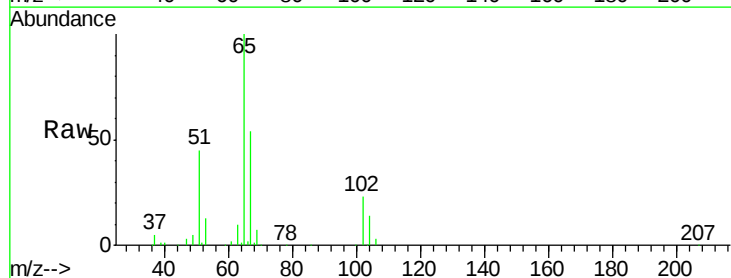
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(10-12)

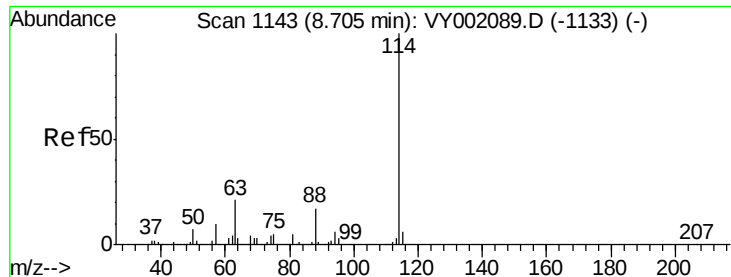
Tgt Ion: 56 Resp: 3368
Ion Ratio Lower Upper
56 100
69 147.1 25.8 38.8#
84 170.1 67.1 100.7#



#33
1,2-Dichloroethane-d4
Concen: 60.095 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Tgt Ion: 65 Resp: 82384
Ion Ratio Lower Upper
65 100
67 55.7 0.0 112.8

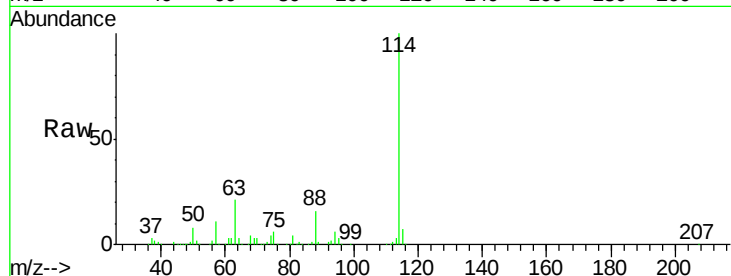




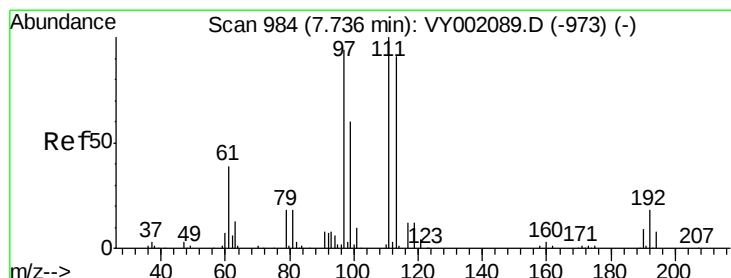
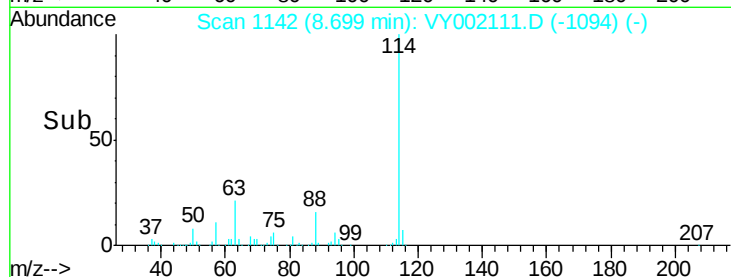
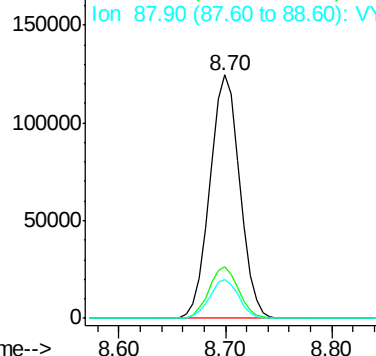
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(10-12)

Tgt Ion:114 Resp: 245464
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.4
88 15.7 0.0 33.0

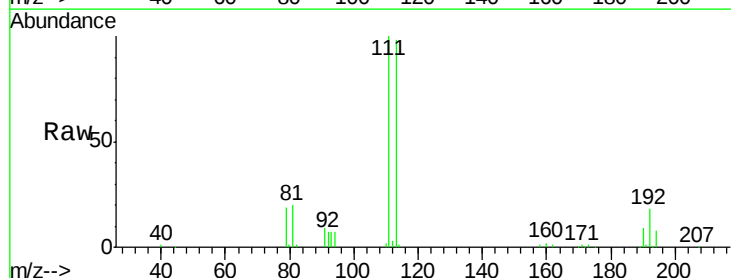


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

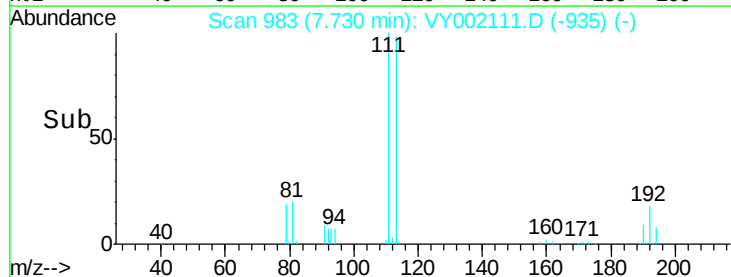
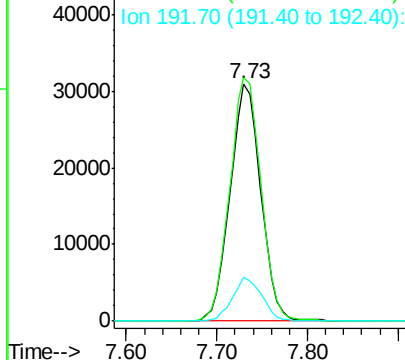


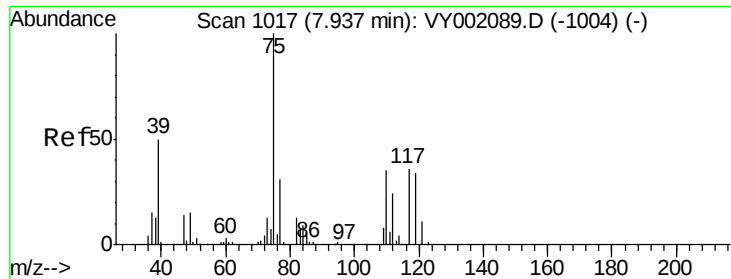
#35
Dibromofluoromethane
Concen: 52.866 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Tgt Ion:113 Resp: 72710
Ion Ratio Lower Upper
113 100
111 104.3 84.4 126.6
192 17.6 14.6 21.8



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: 4.878 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(10-12)

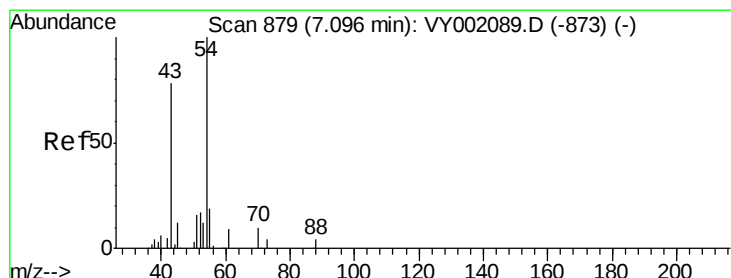
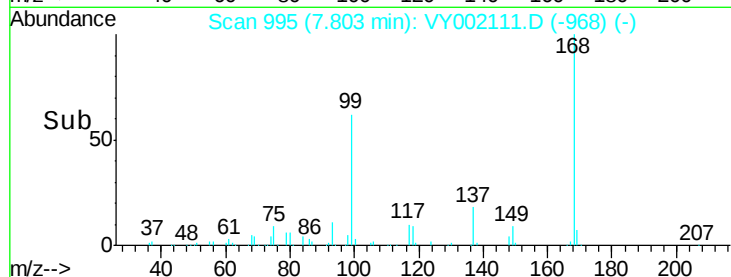
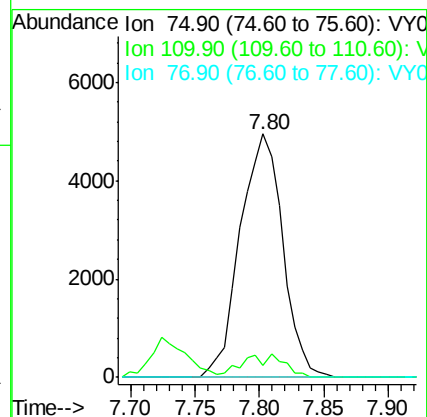
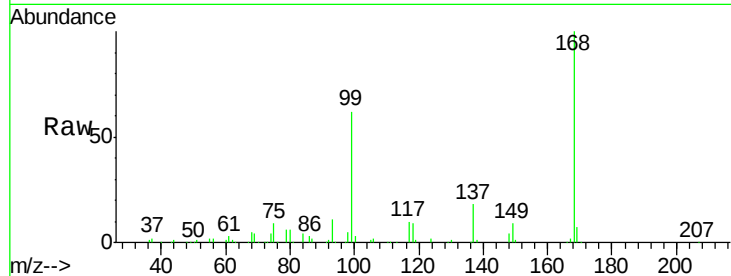
Tgt Ion: 75 Resp: 11326

Ion Ratio Lower Upper

75 100

110 4.2 17.2 51.6#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 3.704 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.09 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

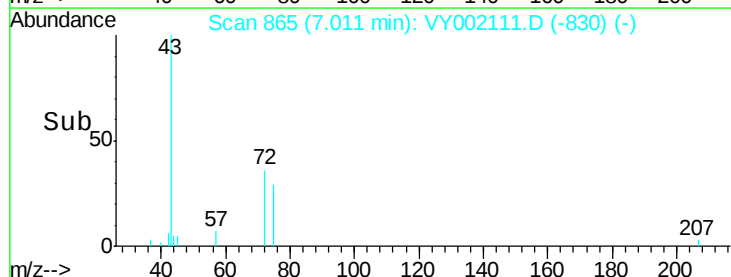
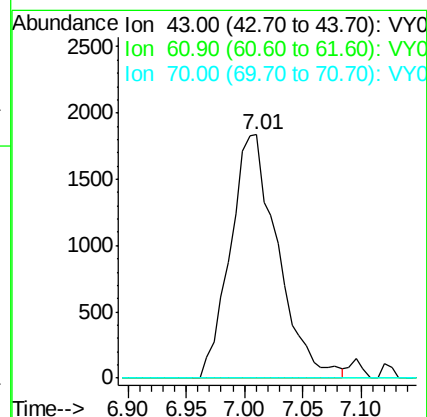
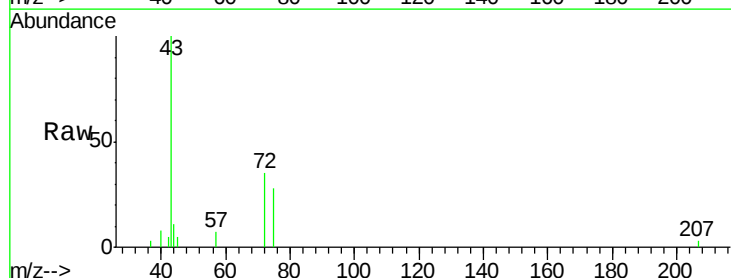
Tgt Ion: 43 Resp: 5197

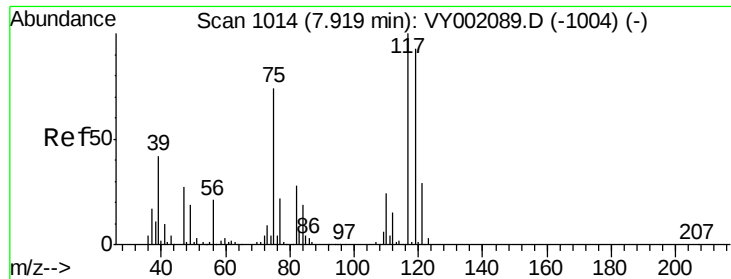
Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

70 0.0 8.2 12.4#

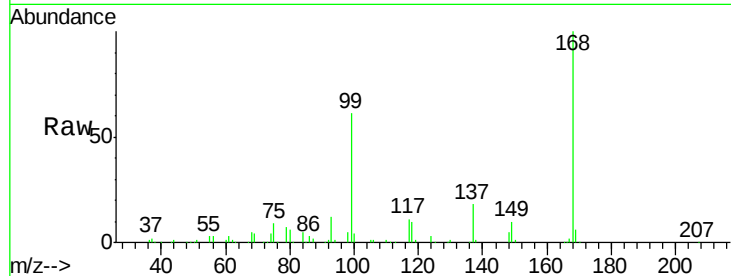




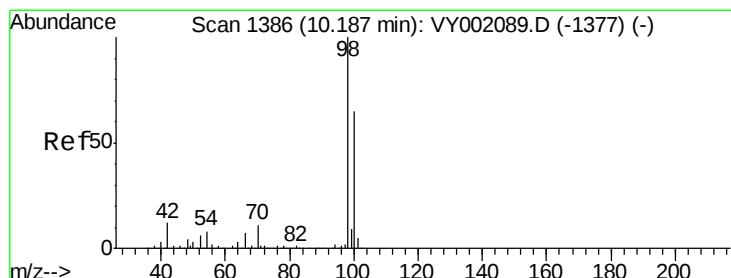
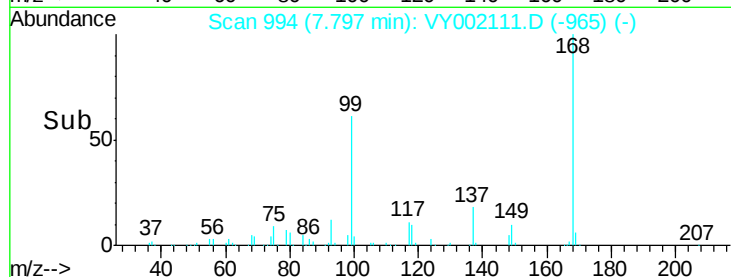
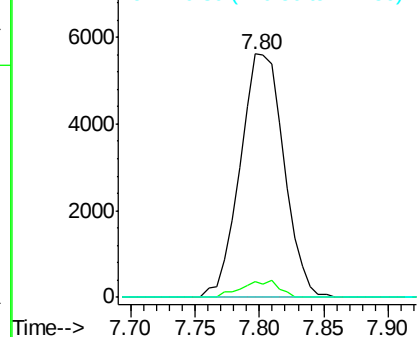
#38
Carbon Tetrachloride
Concen: 6.706 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Instrument :
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ClientSampleId :
SB-4-(10-12)

Tgt Ion:117 Resp: 13209
Ion Ratio Lower Upper
117 100
119 6.4 74.3 111.5#
121 0.0 23.3 34.9#

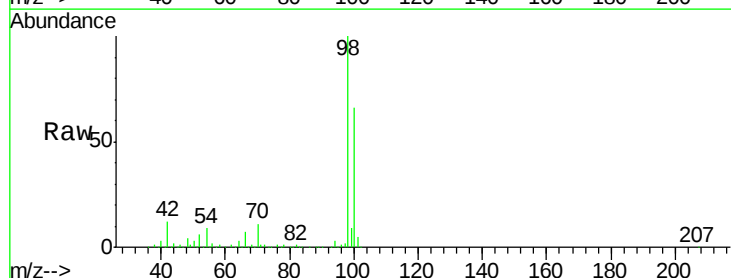


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

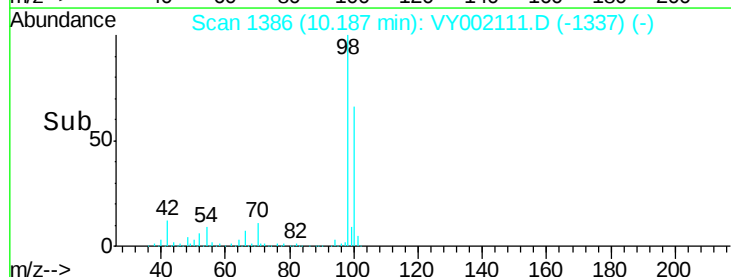
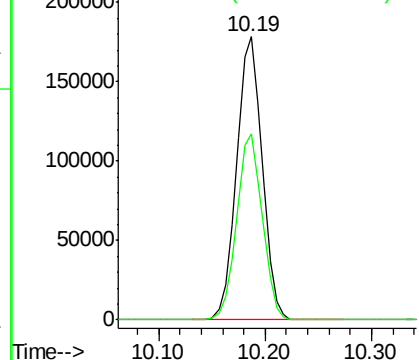


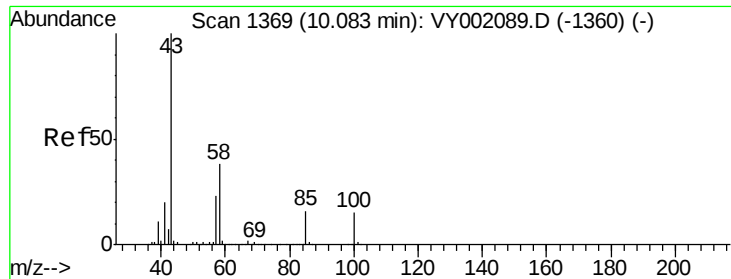
#50
Toluene-d8
Concen: 52.746 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Tgt Ion: 98 Resp: 301372
Ion Ratio Lower Upper
98 100
100 65.5 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.143 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

Instrument :

MSVOA_Y

ClientSampleId :

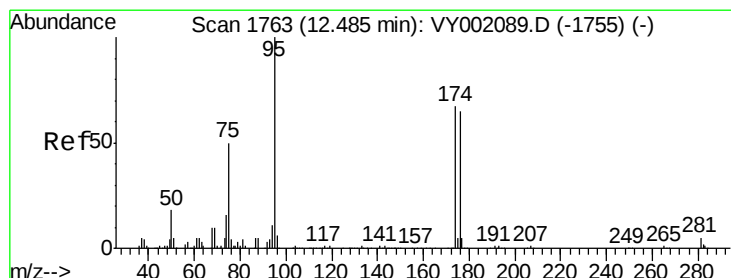
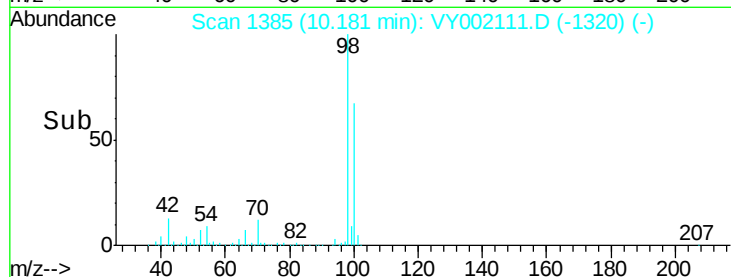
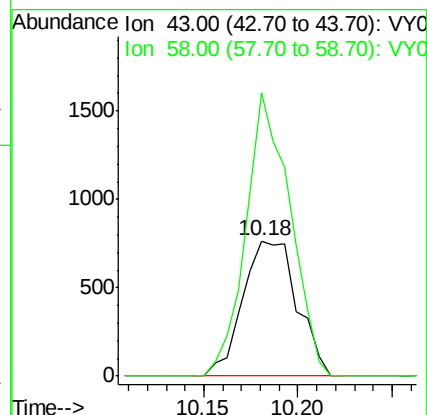
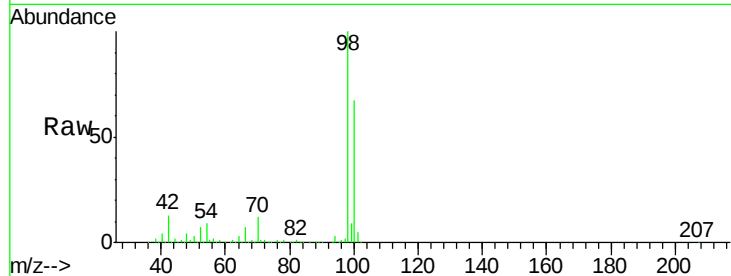
SB-4-(10-12)

Tgt Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

58 170.6 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 51.494 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

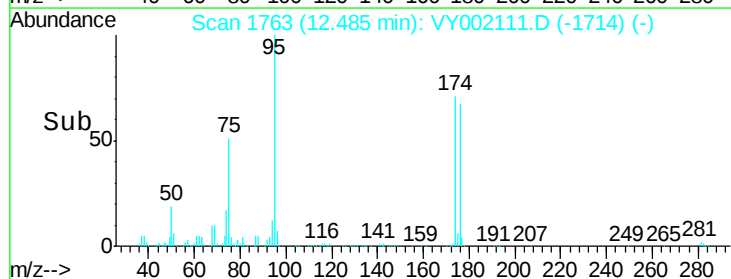
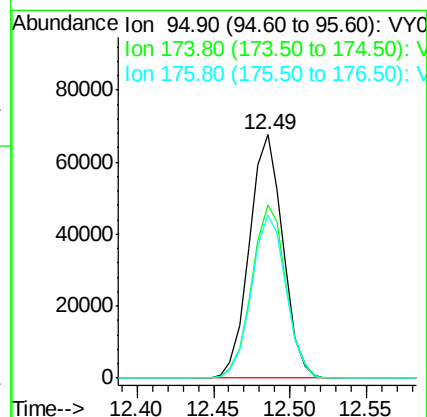
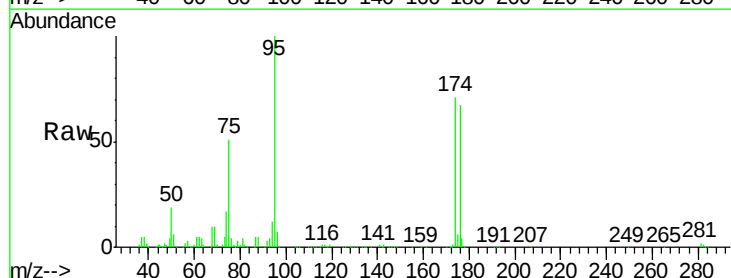
Tgt Ion: 95 Resp: 102898

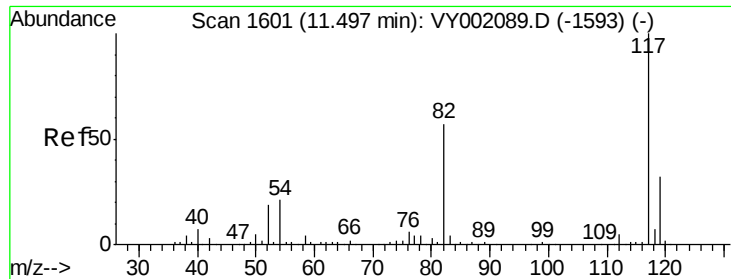
Ion Ratio Lower Upper

95 100

174 72.7 0.0 143.4

176 69.0 0.0 137.0

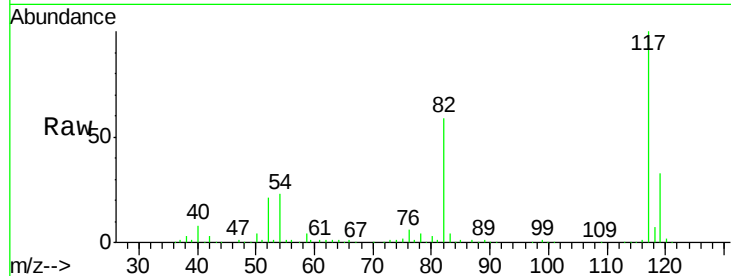




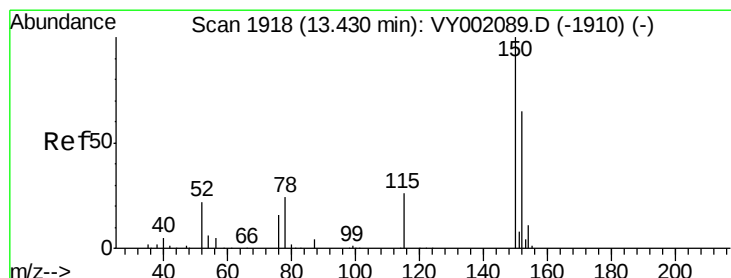
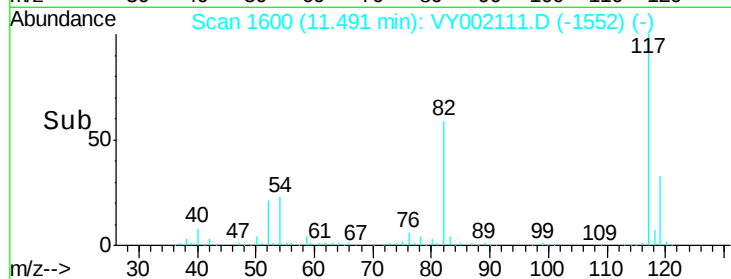
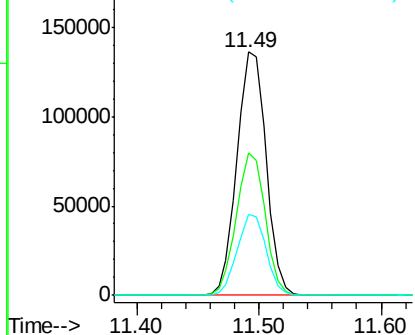
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(10-12)

Tgt Ion:117 Resp: 225161
Ion Ratio Lower Upper
117 100
82 58.6 45.4 68.2
119 33.1 25.3 37.9

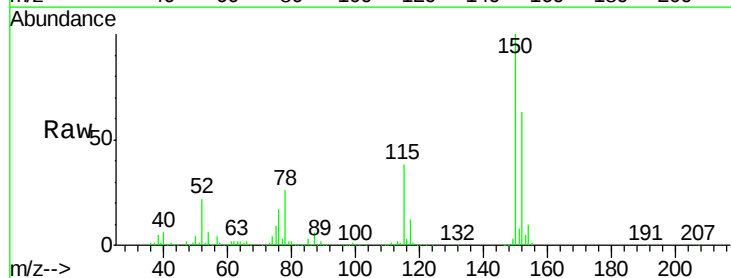


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

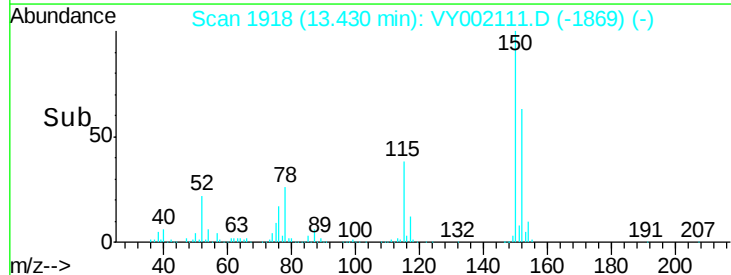
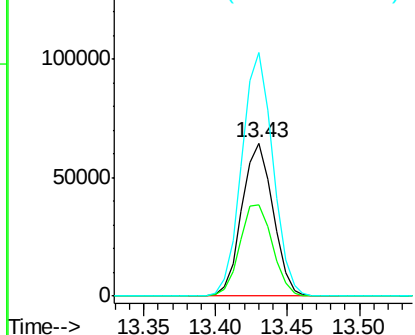


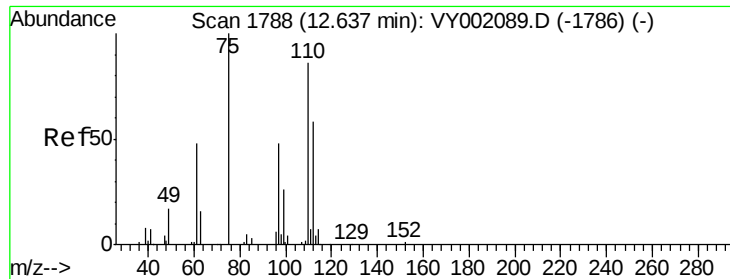
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002111.D
Acq: 27 Mar 2020 17:23

Tgt Ion:152 Resp: 96939
Ion Ratio Lower Upper
152 100
115 62.7 31.2 93.6
150 159.3 0.0 354.8



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: 49.203 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

Instrument :

MSVOA_Y

ClientSampleId :

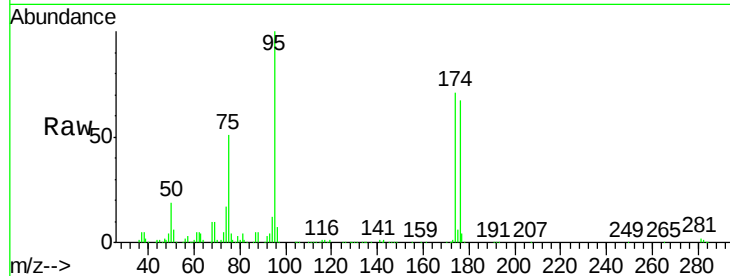
SB-4-(10-12)

Tgt Ion: 75 Resp: 53353

Ion Ratio Lower Upper

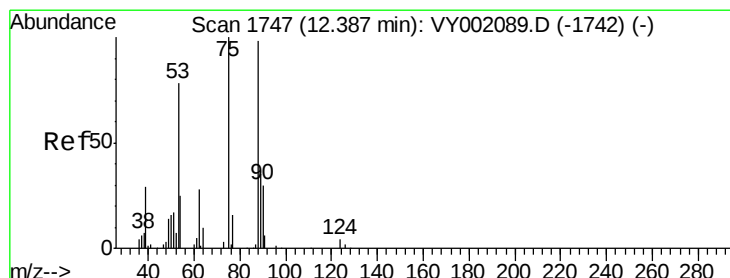
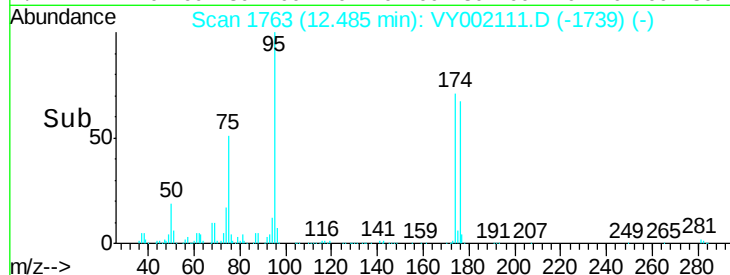
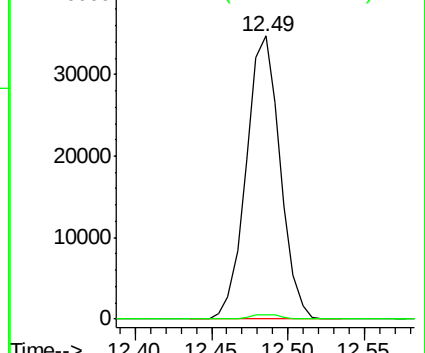
75 100

77 1.5 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: 95.323 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002111.D

Acq: 27 Mar 2020 17:23

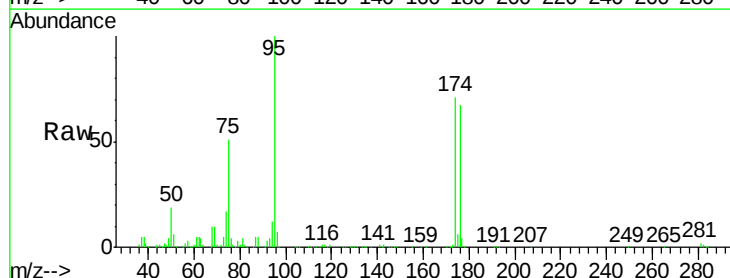
Tgt Ion: 75 Resp: 53353

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.0 33.4 50.0#



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

