

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001174.D
 Acq On : 13 Jan 2020 12:43
 Operator : SY/MD
 Sample : L1046-01
 Misc : 5.68G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-04-0-2

Quant Time: Jan 14 10:10:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	36202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	59862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	46971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	19053	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	14524	37.99	ug/l	0.00
Spiked Amount			Recovery	=	75.98%	
35) Dibromofluoromethane	7.73	113	15514	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	
50) Toluene-d8	10.18	98	70109	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.48	95	19940	36.12	ug/l	0.00
Spiked Amount			Recovery	=	72.24%	

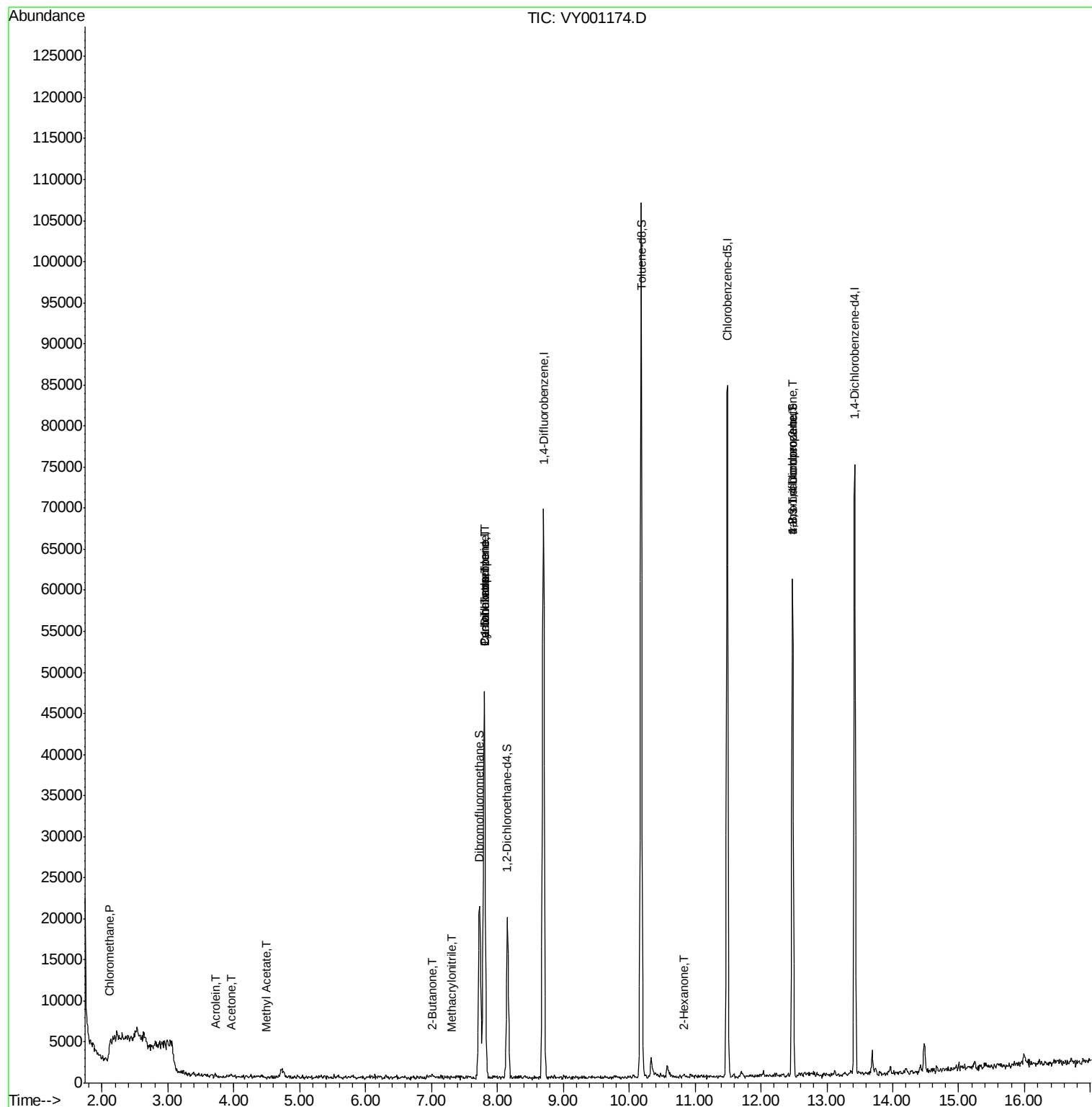
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	437	1.090	ug/l	96
13) Acrolein	3.72	56	110	3.176	ug/l #	1
16) Acetone	3.96	43	474	5.338	ug/l	89
18) Methyl Acetate	4.49	43	345	1.175	ug/l #	50
20) Methylene Chloride	4.71	84	505	Below Cal	#	76
25) 2-Butanone	7.02	43	289	2.091	ug/l #	47
31) Cyclohexane	7.80	56	950	1.285	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	2616	4.795	ug/l #	44
38) Carbon Tetrachloride	7.80	117	3604	7.208	ug/l #	16
41) Methacrylonitrile	7.32	41	152	1.011	ug/l #	64
59) 2-Hexanone	10.84	43	283	1.300	ug/l	63
76) 1,2,3-Trichloropropane	12.48	75	9855	48.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	9855	81.936	ug/l #	6

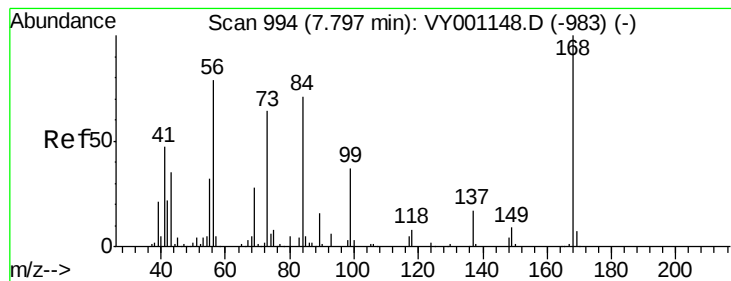
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001174.D

Acq: 13 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

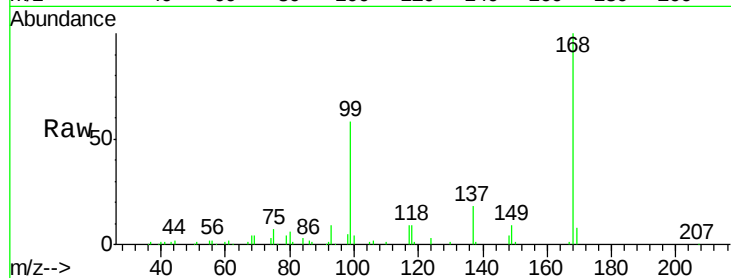
CIY1-SB-04-0-2

Tgt Ion:168 Resp: 36202

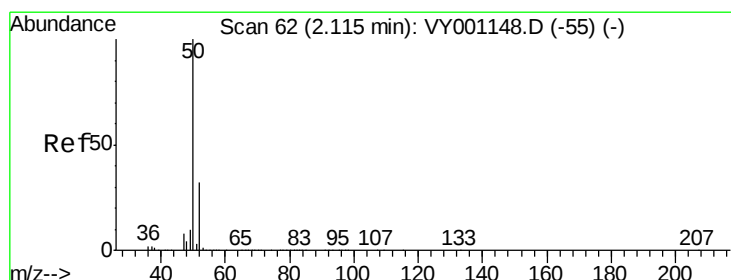
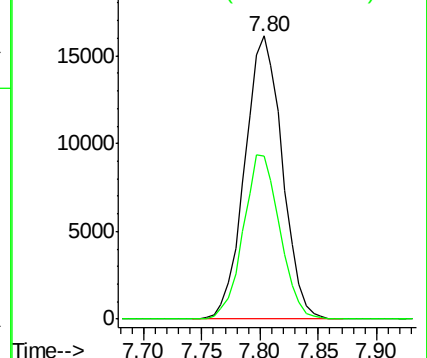
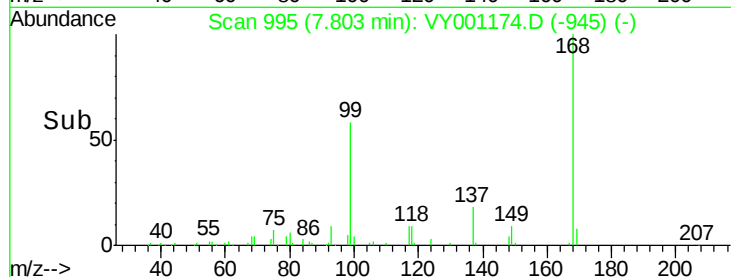
Ion Ratio Lower Upper

168 100

99 57.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001174.D (-945) (-)



#3

Chloromethane

Concen: 1.090 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY001174.D

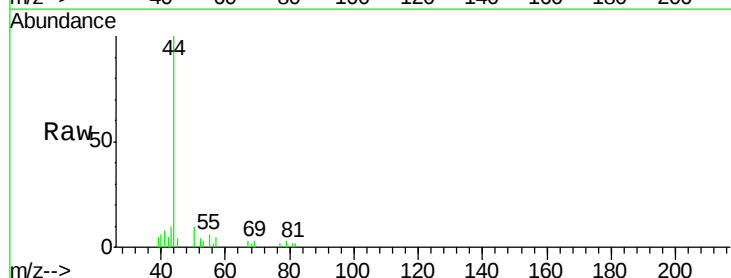
Acq: 13 Jan 2020 12:43

Tgt Ion: 50 Resp: 437

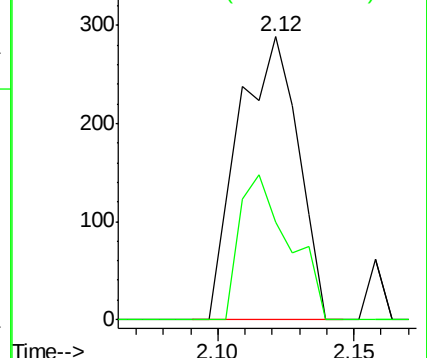
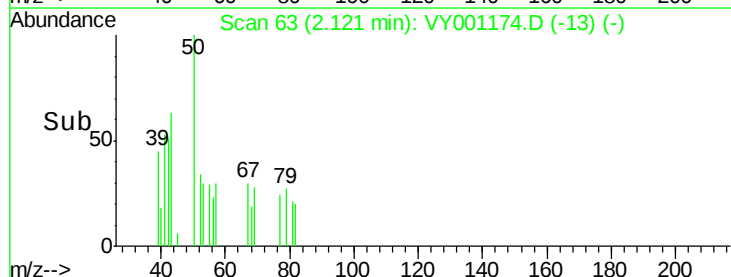
Ion Ratio Lower Upper

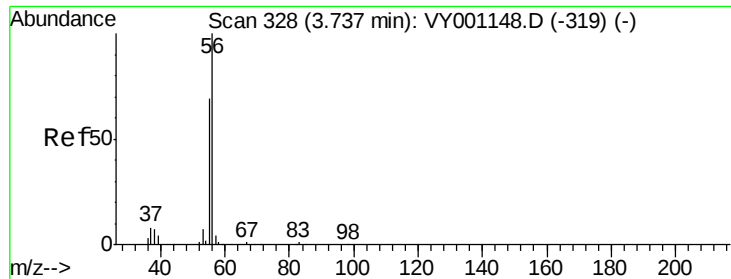
50 100

52 34.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001174.D (-13) (-)





#13

Acrolein

Concen: 3.176 ug/l

RT: 3.72 min Scan# 325

Delta R.T. -0.02 min

Lab File: VY001174.D

Acq: 13 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

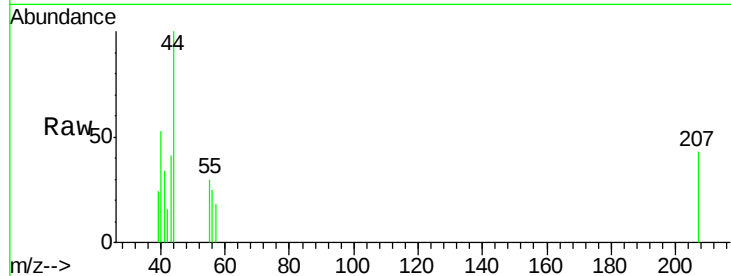
CIY1-SB-04-0-2

Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

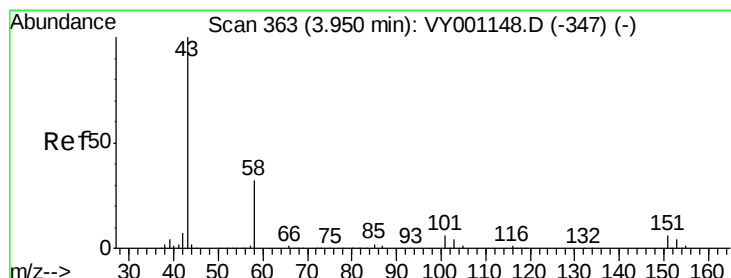
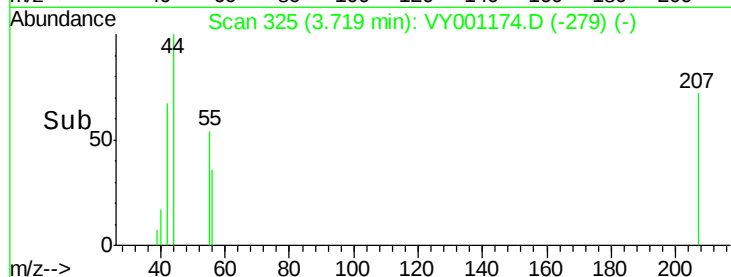
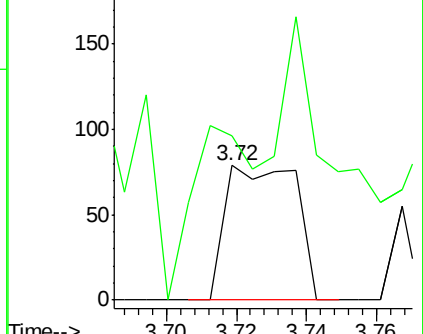
56 100

55 290.9 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 5.338 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001174.D

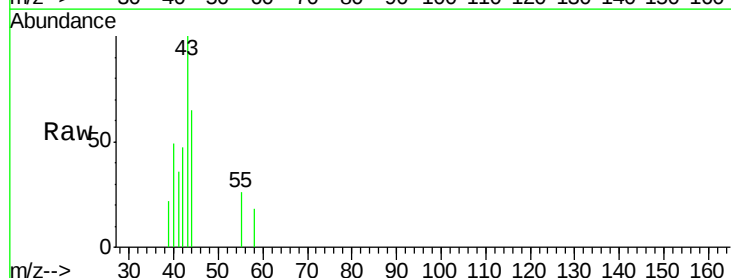
Acq: 13 Jan 2020 12:43

Tgt Ion: 43 Resp: 474

Ion Ratio Lower Upper

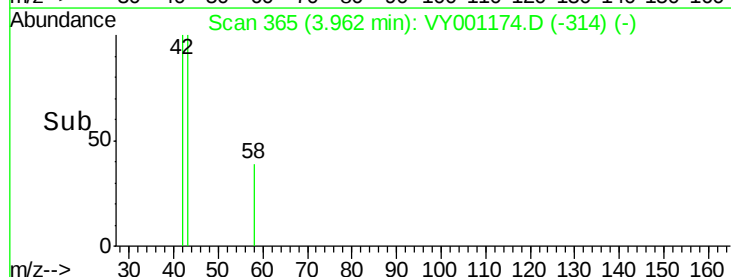
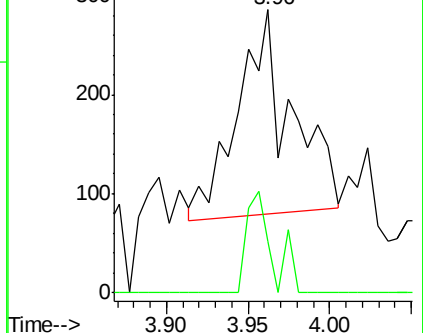
43 100

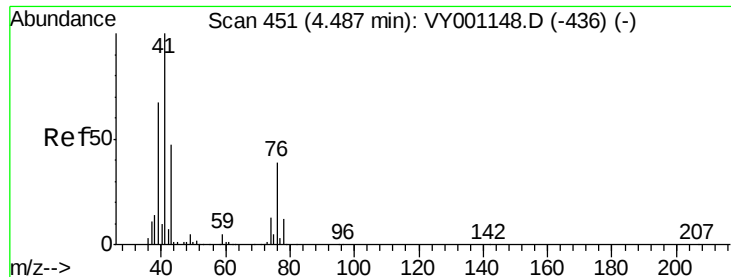
58 26.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

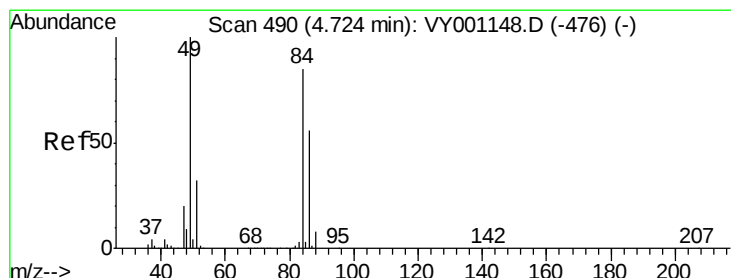
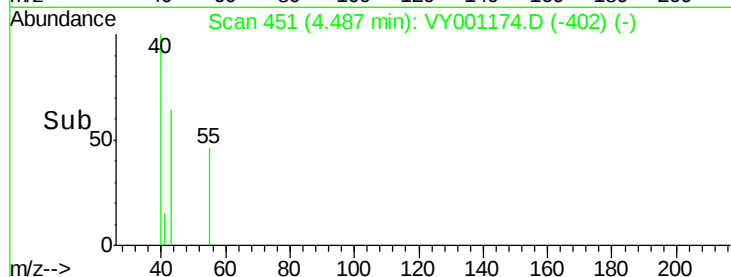
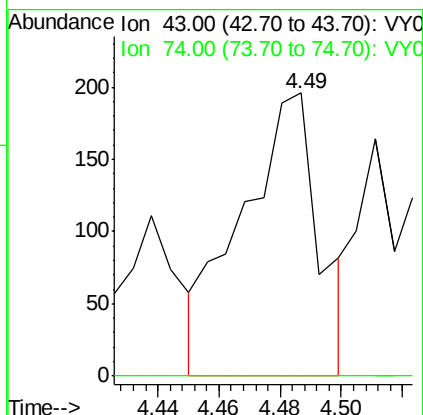
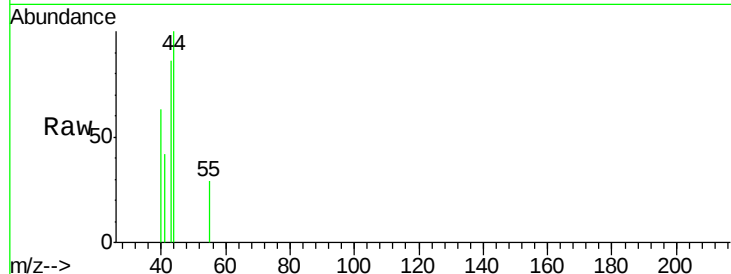




#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001174.D
Acq: 13 Jan 2020 12:43

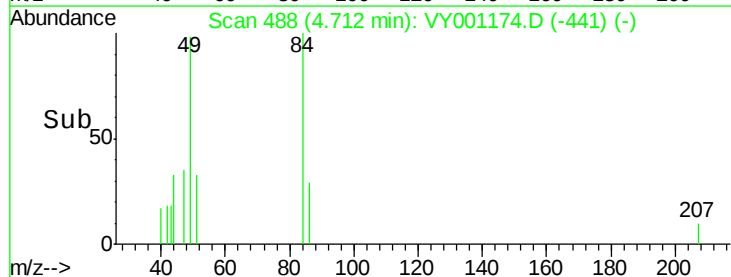
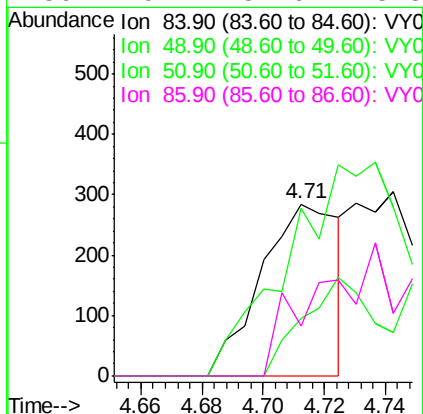
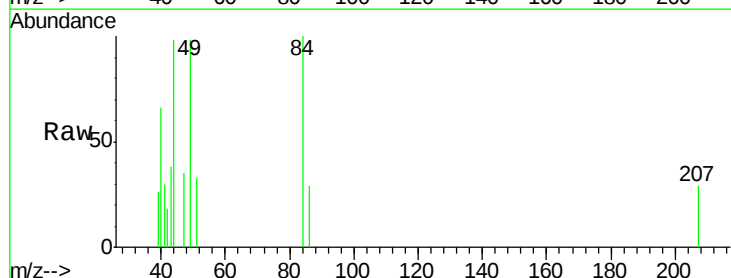
Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-04-0-2

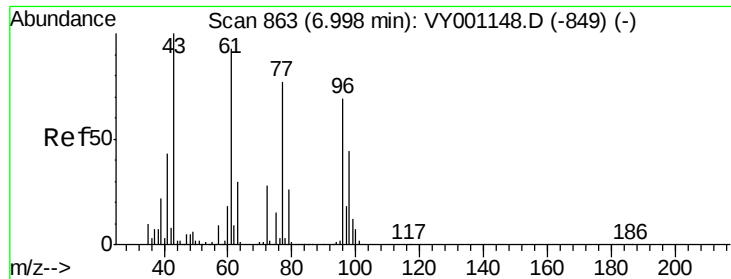
Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY001174.D
Acq: 13 Jan 2020 12:43

Tgt Ion: 84 Resp: 505
Ion Ratio Lower Upper
84 100
49 97.9 93.8 140.6
51 33.5 29.9 44.9
86 29.2 52.6 78.8#





#25

2-Butanone

Concen: 2.091 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY001174.D

Acq: 13 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

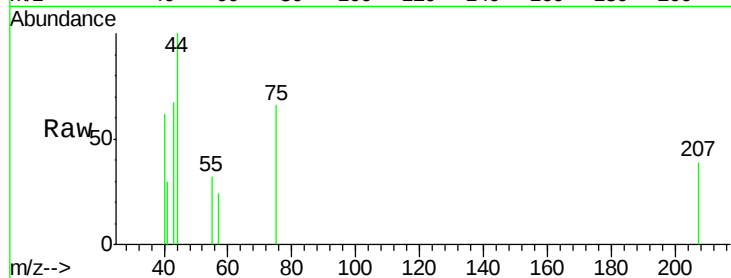
CIY1-SB-04-0-2

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

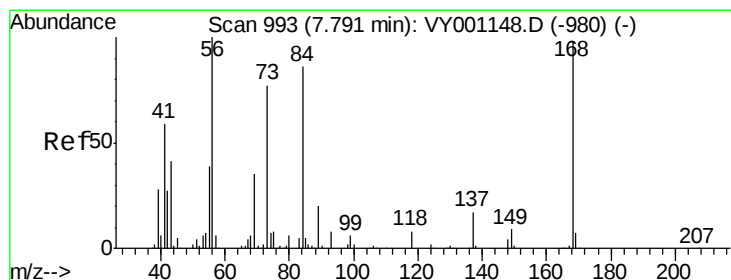
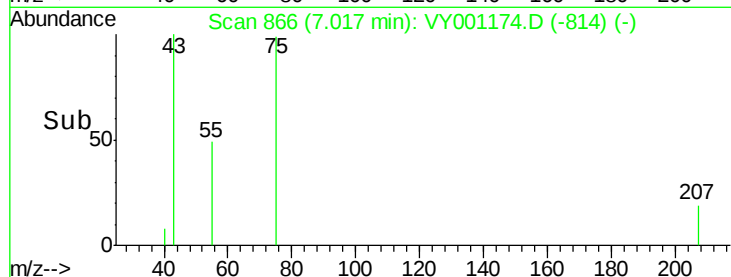
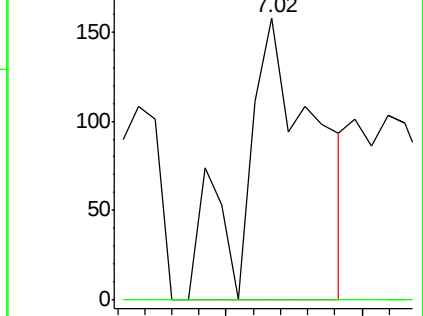
43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001174.D

Acq: 13 Jan 2020 12:43

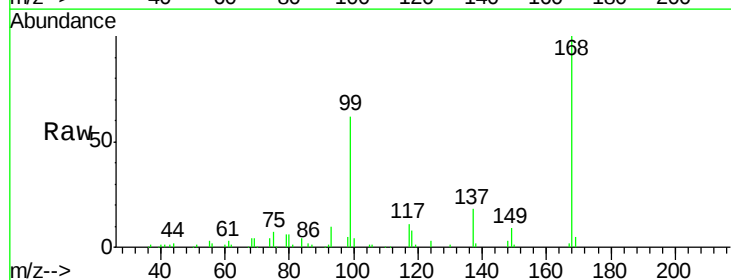
Tgt Ion: 56 Resp: 950

Ion Ratio Lower Upper

56 100

69 138.0 27.8 41.8#

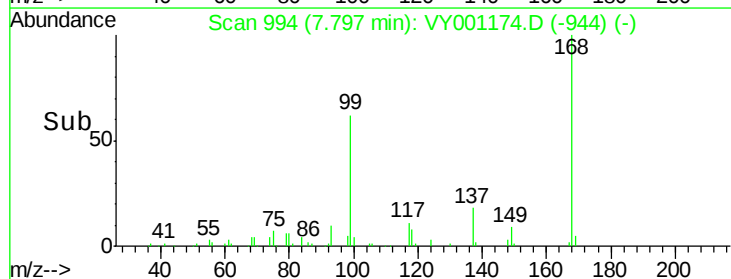
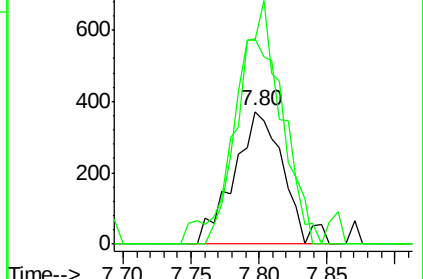
84 155.0 68.9 103.3#

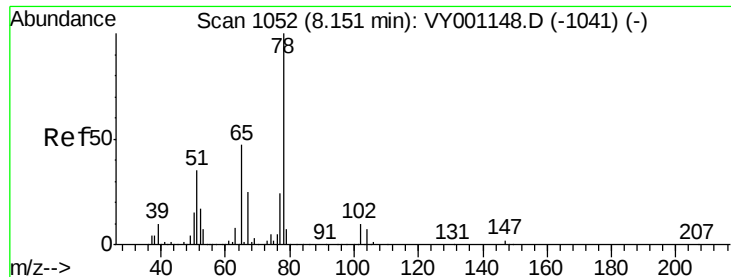


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

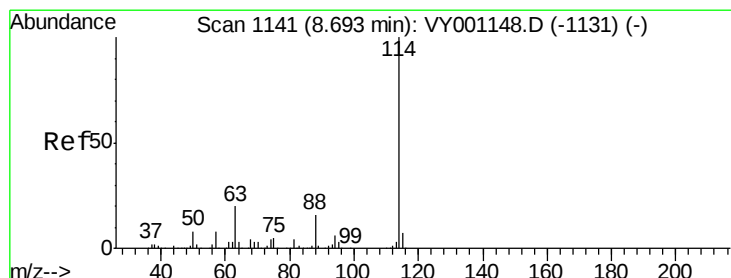
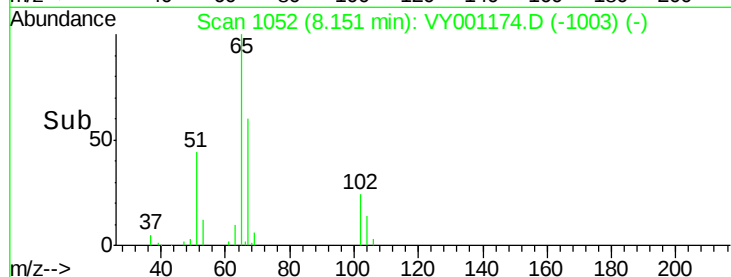
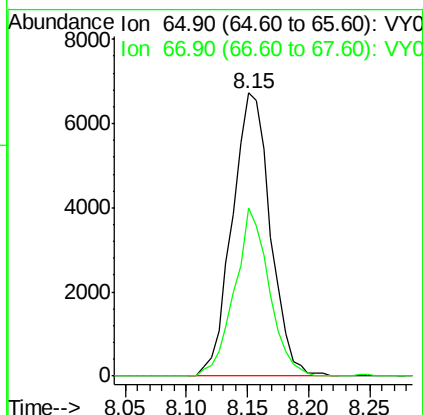
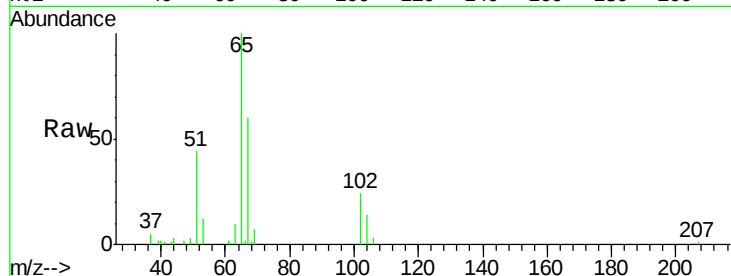




#33
 1,2-Dichloroethane-d4
 Concen: 37.985 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001174.D
 Acq: 13 Jan 2020 12:43

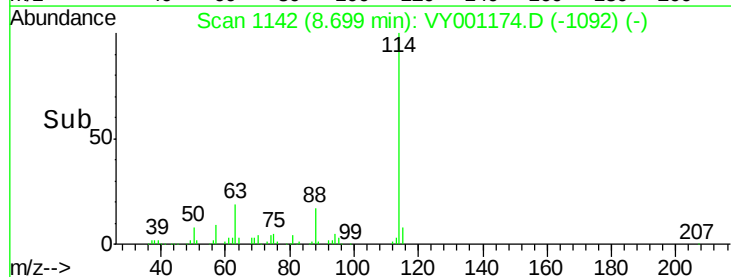
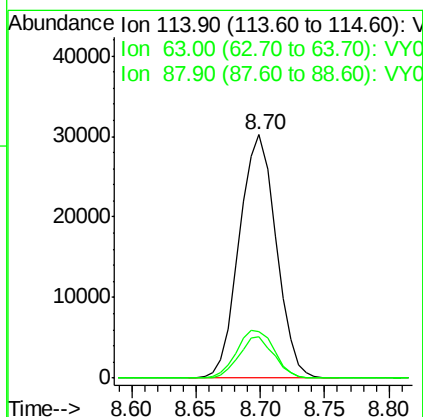
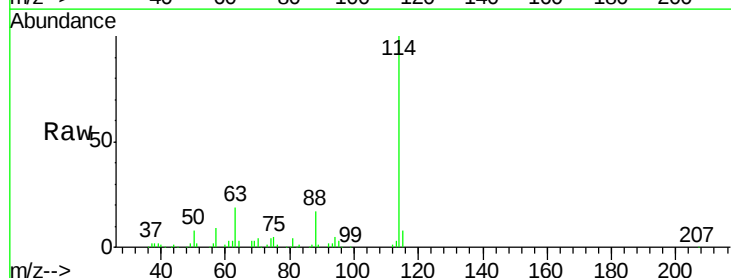
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 CIY1-SB-04-0-2

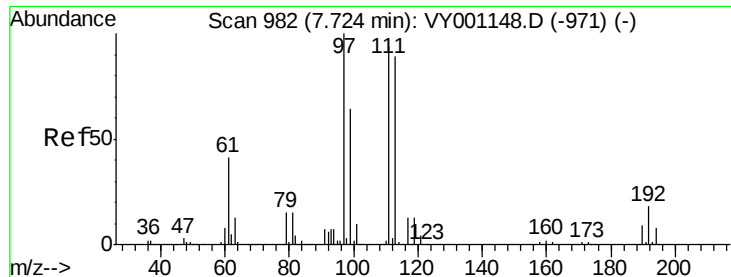
Tgt Ion: 65 Resp: 14524
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001174.D
 Acq: 13 Jan 2020 12:43

Tgt Ion: 114 Resp: 59862
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.8
 88 17.1 0.0 32.4

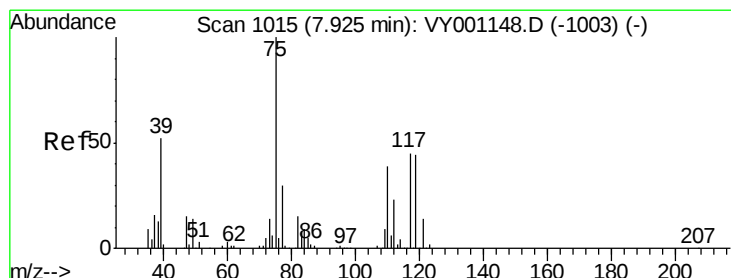
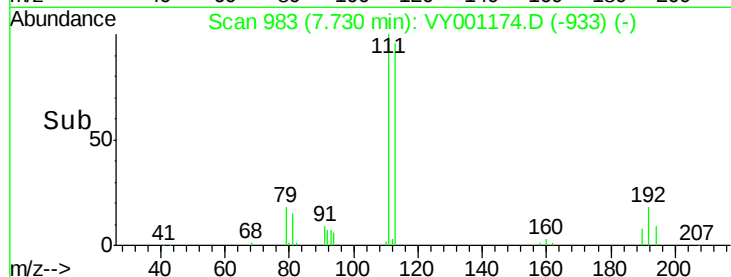
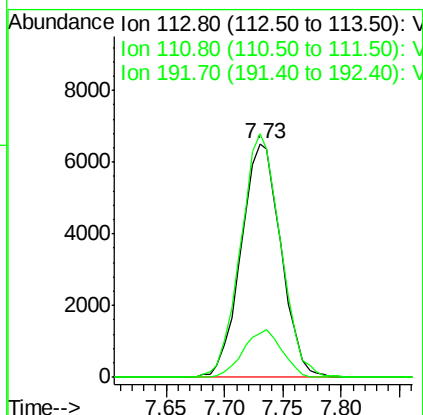
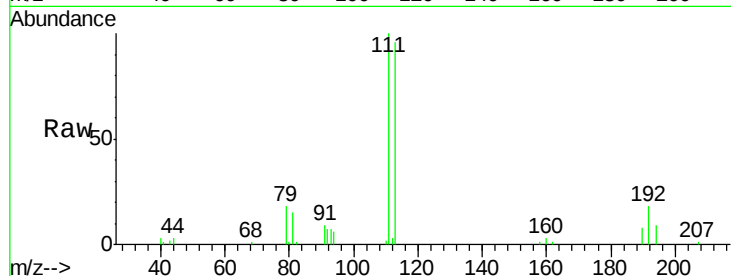




#35
 Dibromofluoromethane
 Concen: 44.264 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001174.D
 Acq: 13 Jan 2020 12:43

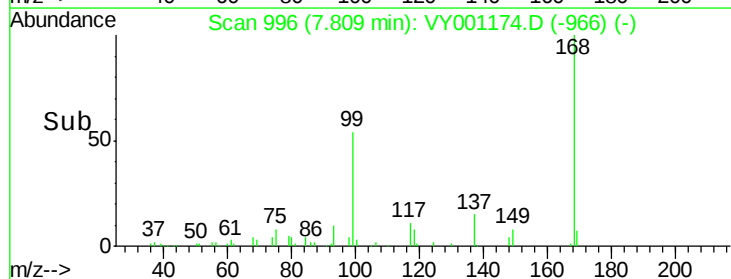
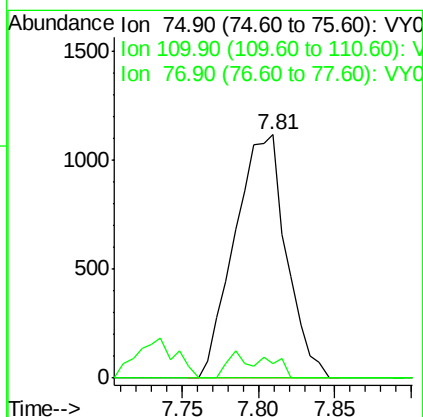
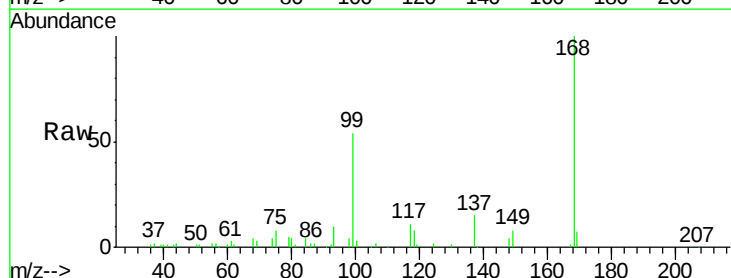
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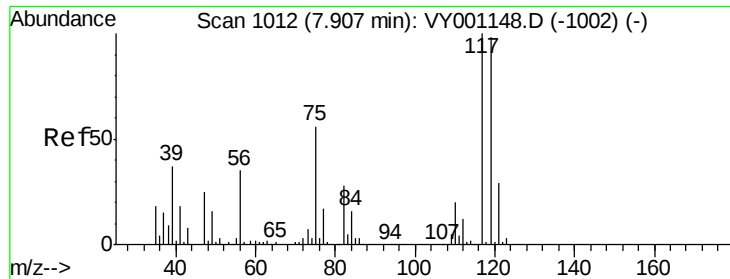
Tgt Ion:113 Resp: 15514
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.9 124.3
 192 19.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.795 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001174.D
 Acq: 13 Jan 2020 12:43

Tgt Ion: 75 Resp: 2616
 Ion Ratio Lower Upper
 75 100
 110 3.6 18.3 54.8#
 77 0.0 25.1 37.7#

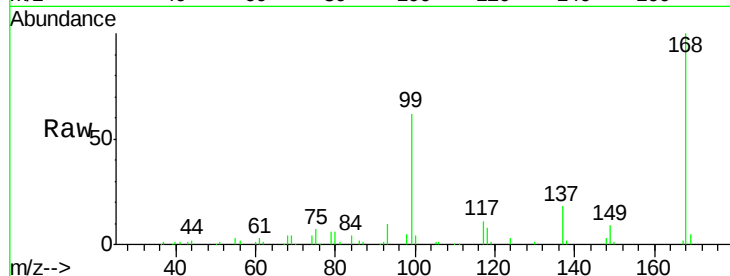




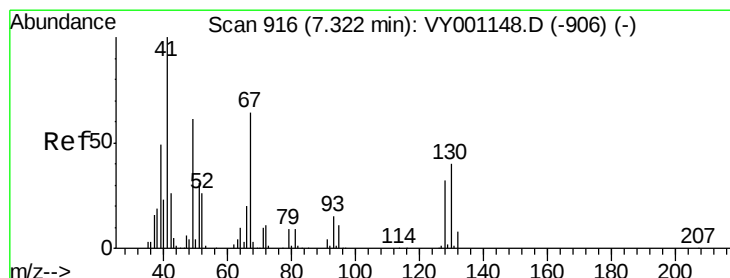
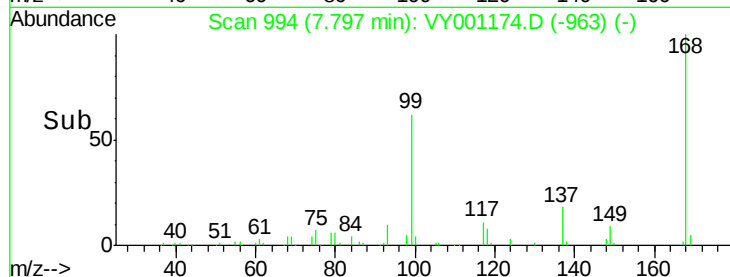
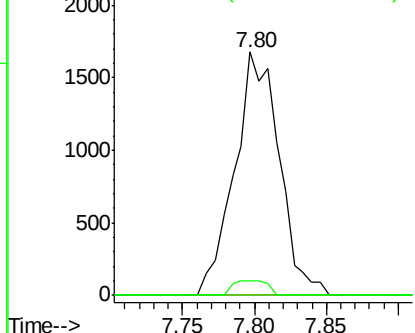
#38
Carbon Tetrachloride
Concen: 7.208 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001174.D
Acq: 13 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-04-0-2

Tgt Ion: 117 Resp: 3604
Ion Ratio Lower Upper
117 100
119 5.9 78.3 117.5#
121 0.0 23.5 35.3#

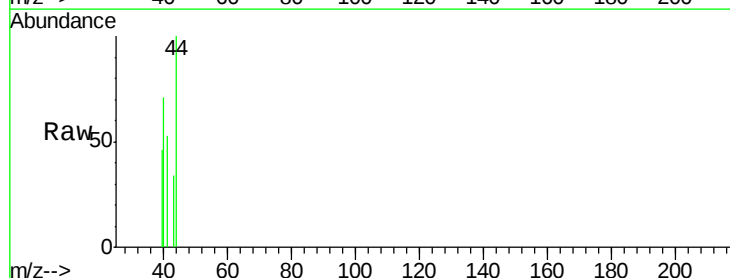


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

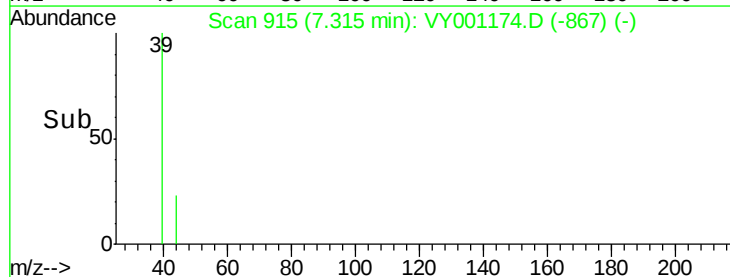
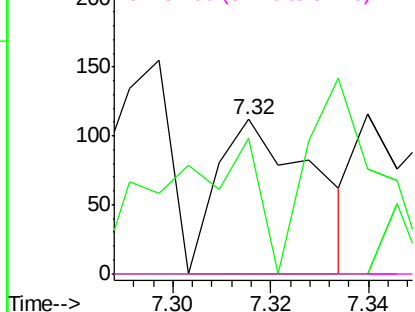


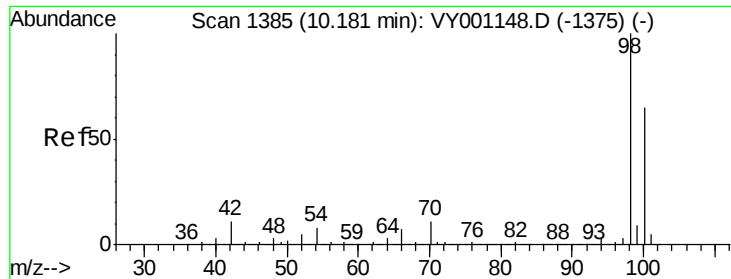
#41
Methacrylonitrile
Concen: 1.011 ug/l
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY001174.D
Acq: 13 Jan 2020 12:43

Tgt Ion: 41 Resp: 152
Ion Ratio Lower Upper
41 100
39 87.5 103.5 155.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 51.914 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001174.D

Acq: 13 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

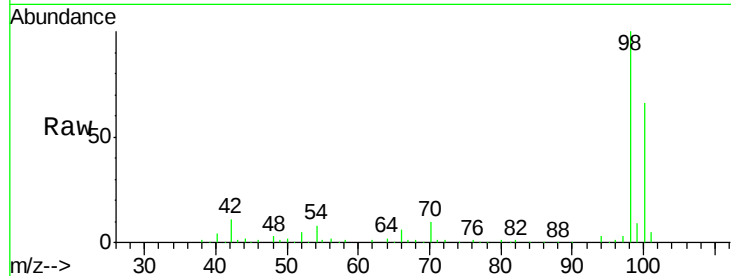
CIY1-SB-04-0-2

Tgt Ion: 98 Resp: 70109

Ion Ratio Lower Upper

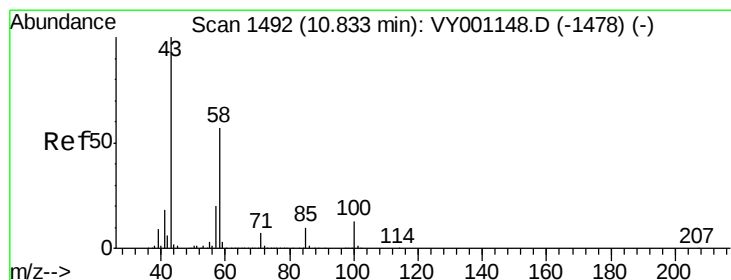
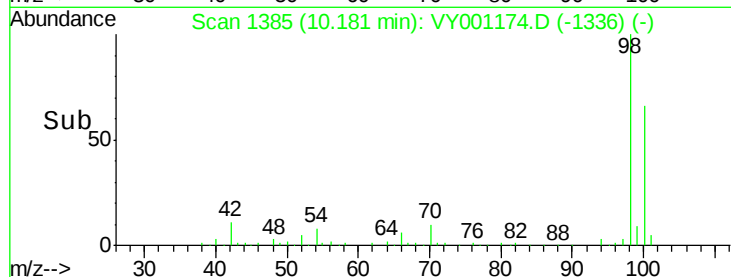
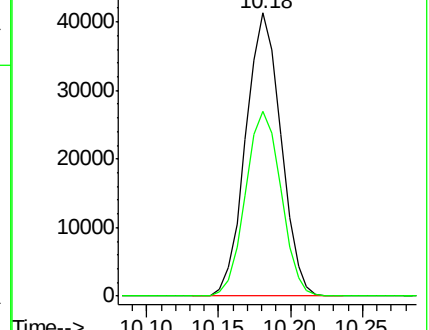
98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY001174.D (-1336) (-)



#59

2-Hexanone

Concen: 1.300 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY001174.D

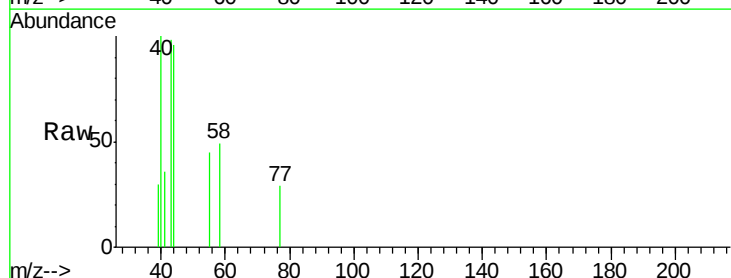
Acq: 13 Jan 2020 12:43

Tgt Ion: 43 Resp: 283

Ion Ratio Lower Upper

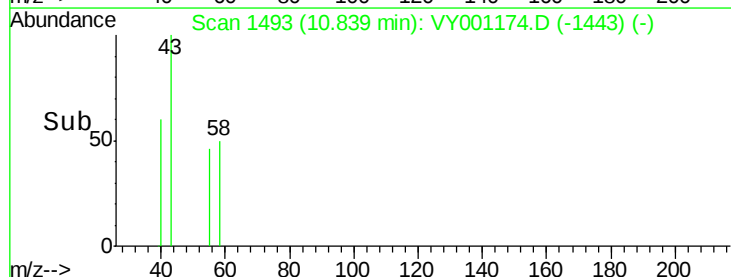
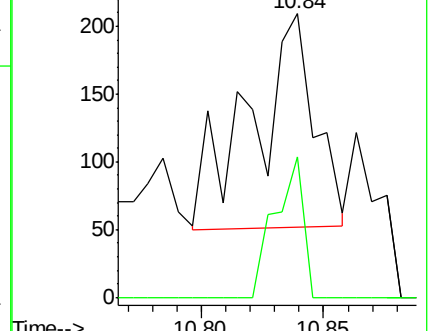
43 100

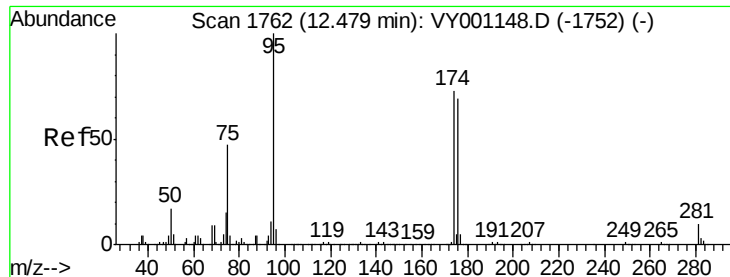
58 29.3 28.4 85.2



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-1478) (-)

Ion 58.00 (57.70 to 58.70): VY001174.D (-1443) (-)

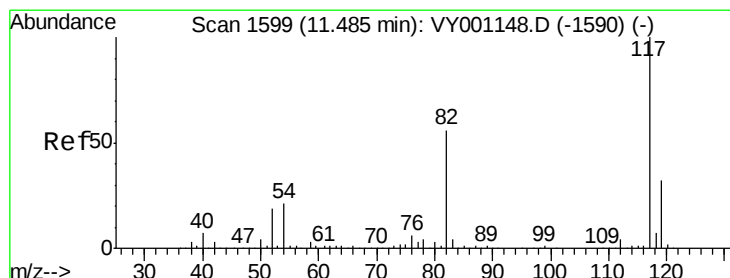
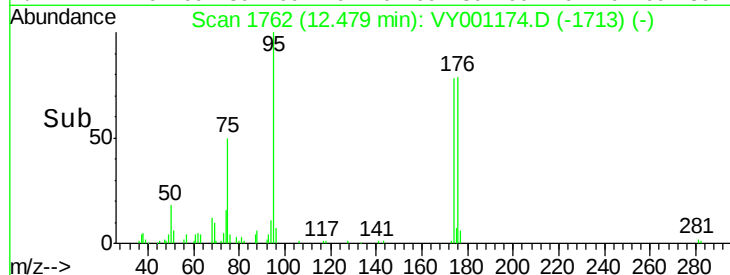
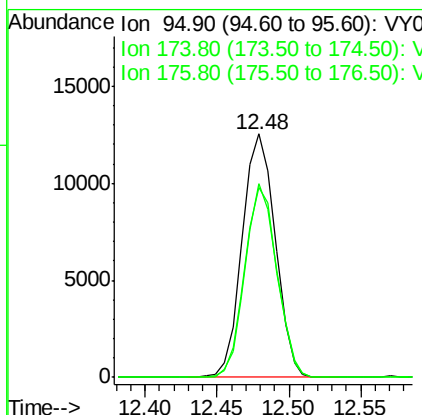
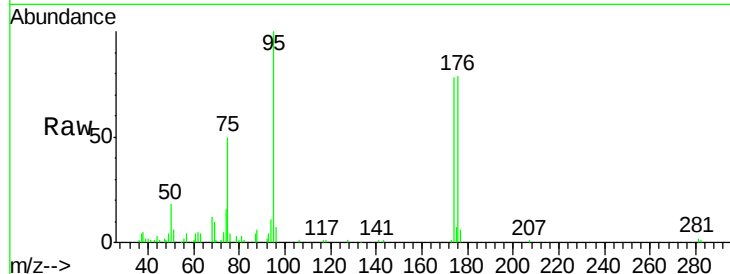




#62
4-Bromofluorobenzene
Concen: 36.115 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001174.D
Acq: 13 Jan 2020 12:43

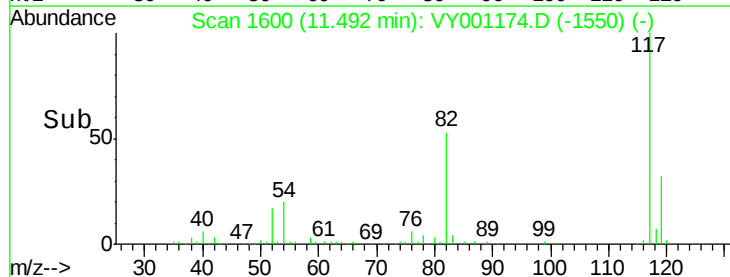
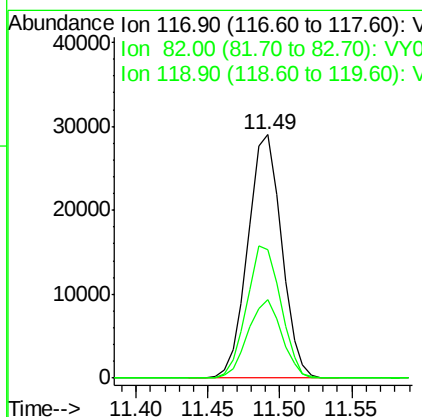
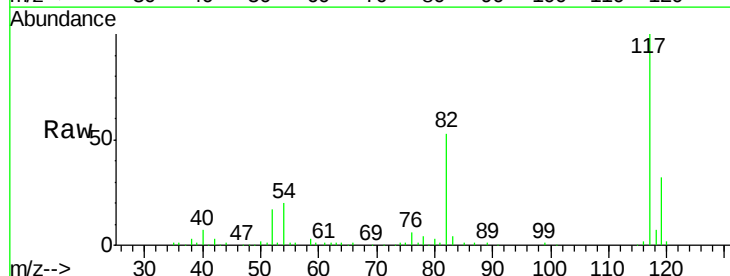
Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-04-0-2

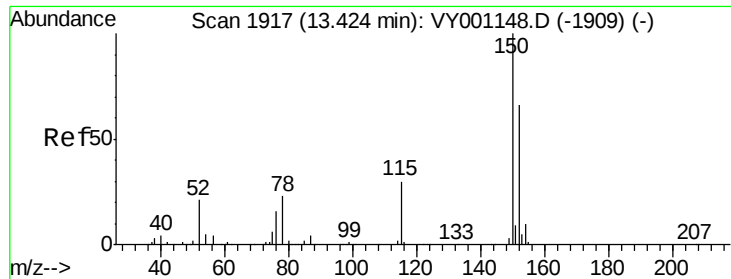
Tgt Ion: 95 Resp: 19940
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.2
176 75.6 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001174.D
Acq: 13 Jan 2020 12:43

Tgt Ion: 117 Resp: 46971
Ion Ratio Lower Upper
117 100
82 52.6 44.9 67.3
119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001174.D

Acq: 13 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-04-0-2

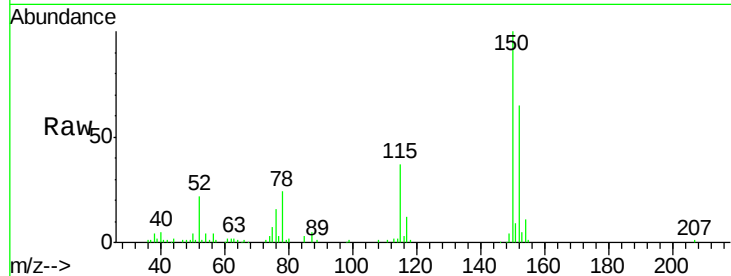
Tgt Ion:152 Resp: 19053

Ion Ratio Lower Upper

152 100

115 59.1 30.9 92.5

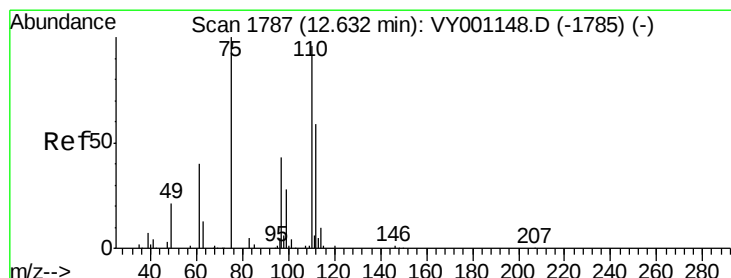
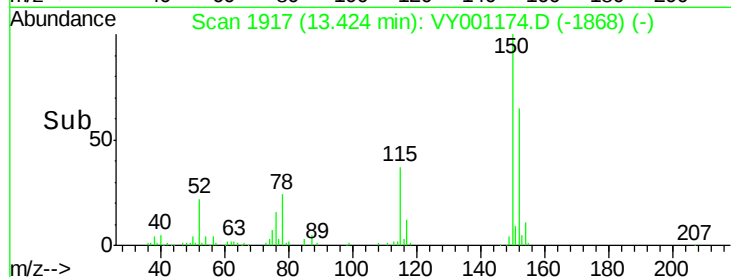
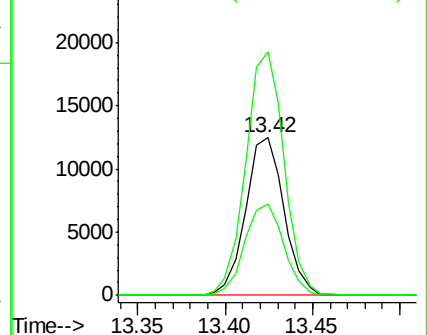
150 154.7 0.0 346.8



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: 48.317 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001174.D

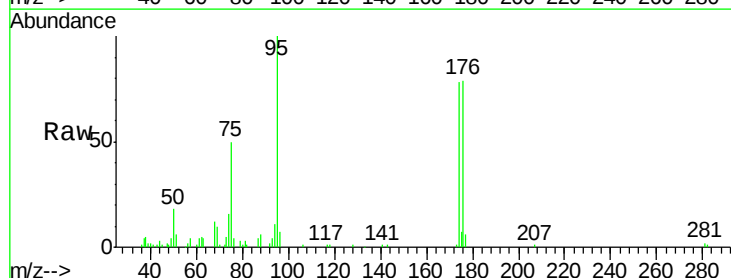
Acq: 13 Jan 2020 12:43

Tgt Ion: 75 Resp: 9855

Ion Ratio Lower Upper

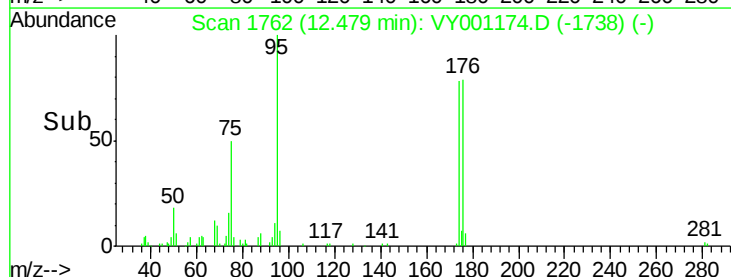
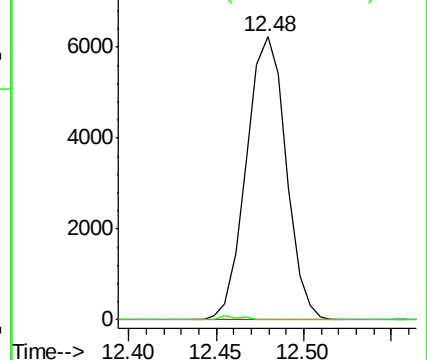
75 100

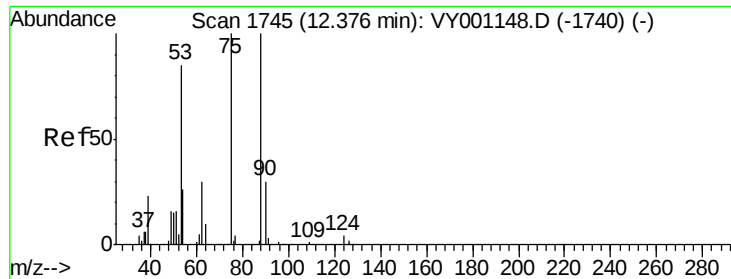
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.936 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001174.D

Acq: 13 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-04-0-2

Tgt Ion: 75 Resp: 9855

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 0.0 0.0

