

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001209.D
 Acq On : 15 Jan 2020 11:47
 Operator : SY/MD
 Sample : VY0115SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBL01

Quant Time: Jan 16 04:48:00 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	176172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	323812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	293505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134579	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	102746	55.22	ug/l	0.00
Spiked Amount						
			Recovery	=	110.44%	
35) Dibromofluoromethane	7.73	113	96280	50.78	ug/l	0.00
Spiked Amount						
			Recovery	=	101.56%	
50) Toluene-d8	10.18	98	379342	51.93	ug/l	0.00
Spiked Amount						
			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.48	95	140811	47.15	ug/l	0.00
Spiked Amount						
			Recovery	=	94.30%	

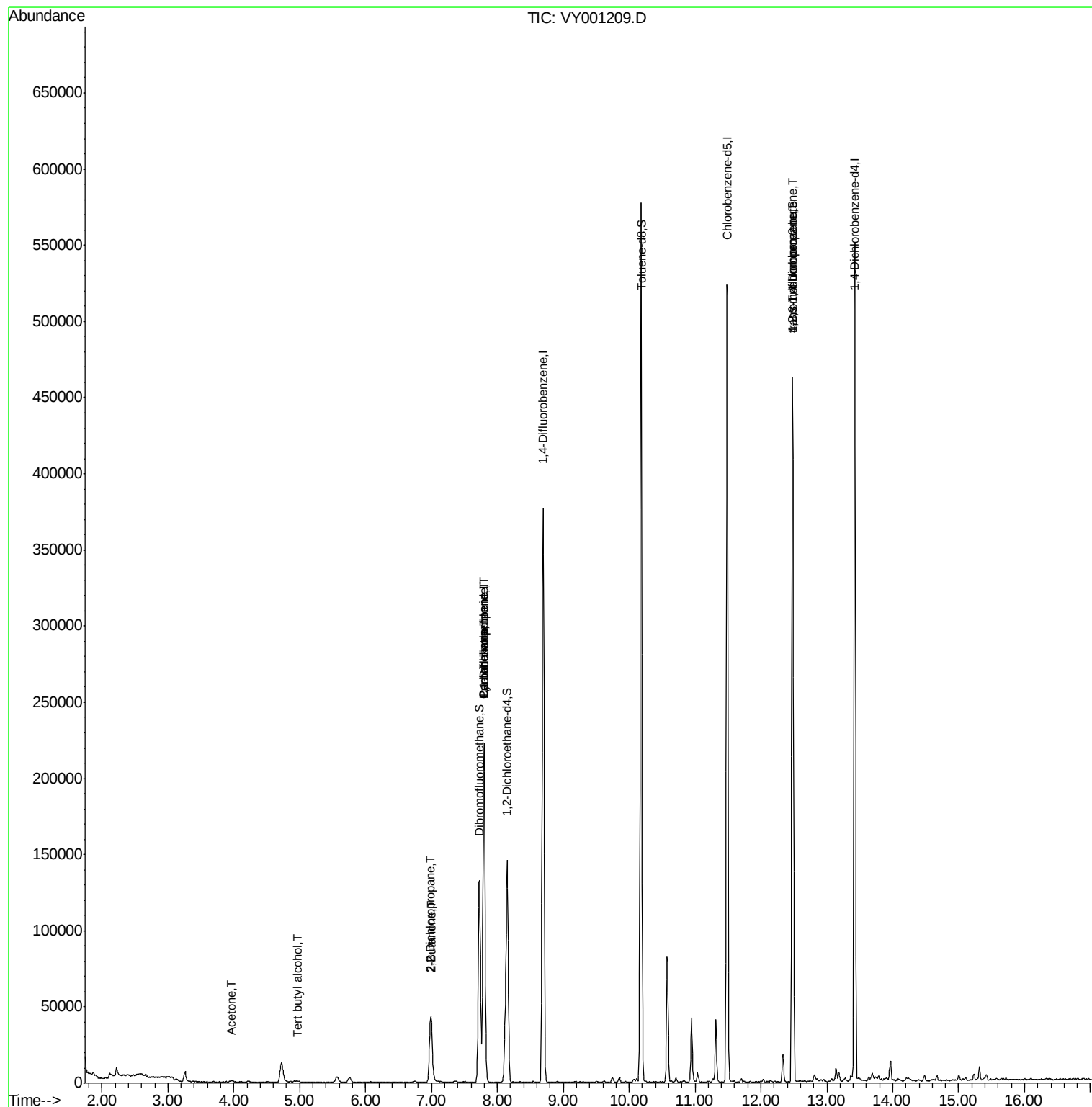
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	800	4.273	ug/l #	73
16) Acetone	3.96	43	2507	5.802	ug/l	98
20) Methylene Chloride	4.72	84	9354	Below Cal		98
25) 2-Butanone	7.00	43	2983	4.435	ug/l #	73
26) 2,2-Dichloropropane	6.99	77	3301	1.056	ug/l #	52
31) Cyclohexane	7.80	56	3837	1.066	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13454	4.559	ug/l #	47
38) Carbon Tetrachloride	7.80	117	16631	6.149	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	67977	47.184	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67977	80.014	ug/l #	6

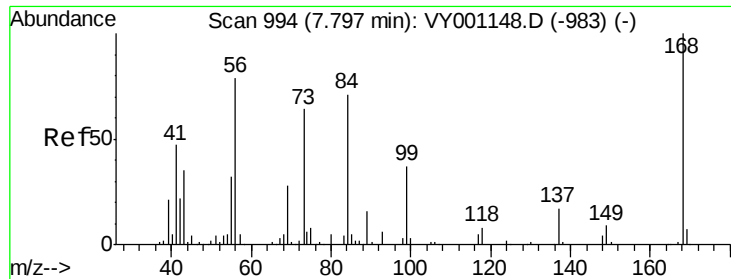
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
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Quant Time: Jan 16 04:48:00 2020
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QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

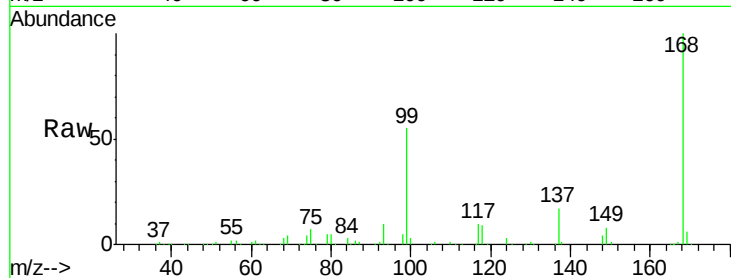
VY0115SBL01

Tgt Ion:168 Resp: 176172

Ion Ratio Lower Upper

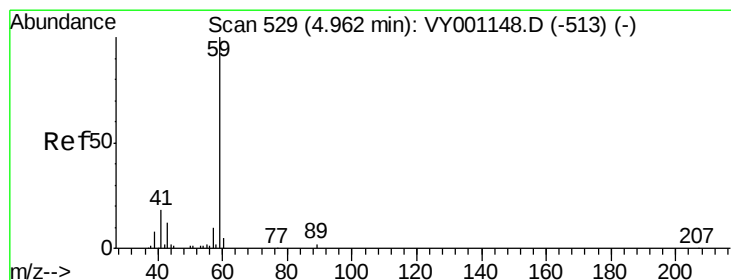
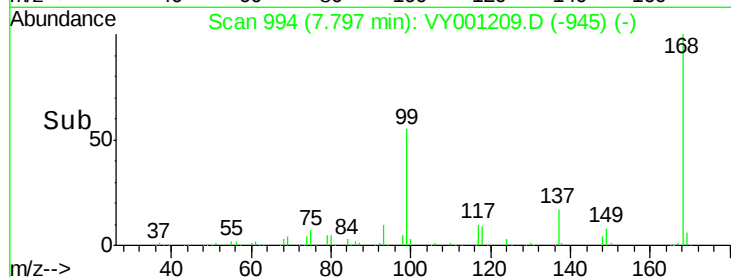
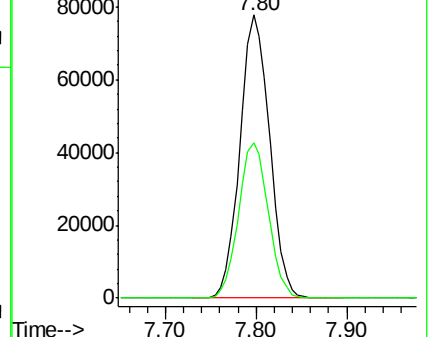
168 100

99 54.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#11

Tert butyl alcohol

Concen: 4.273 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY001209.D

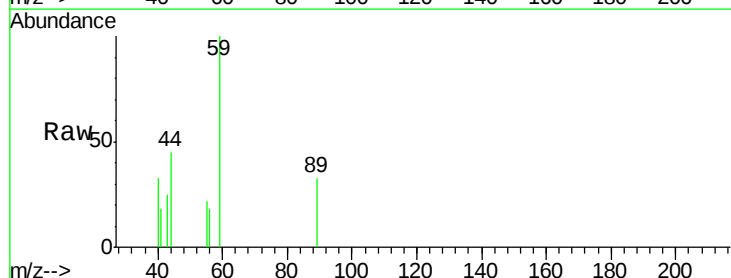
Acq: 15 Jan 2020 11:47

Tgt Ion: 59 Resp: 800

Ion Ratio Lower Upper

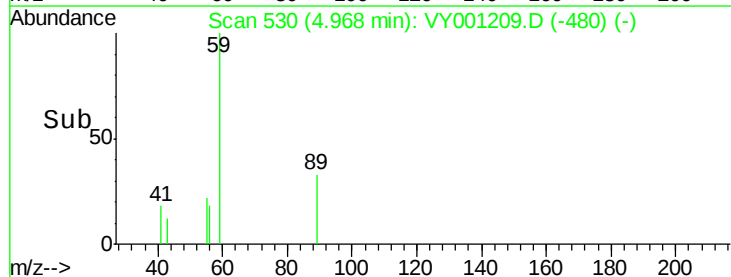
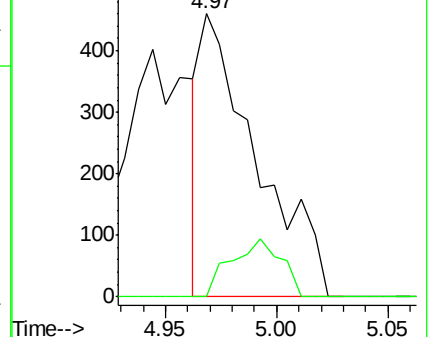
59 100

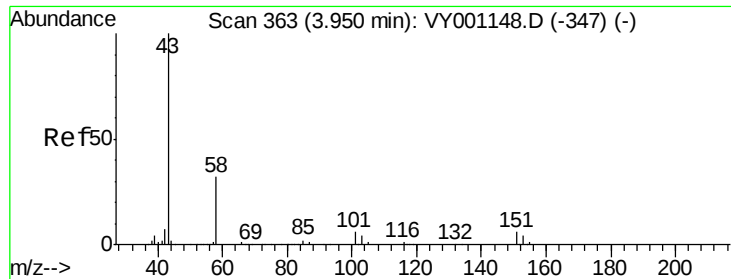
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)





#16

Acetone

Concen: 5.802 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

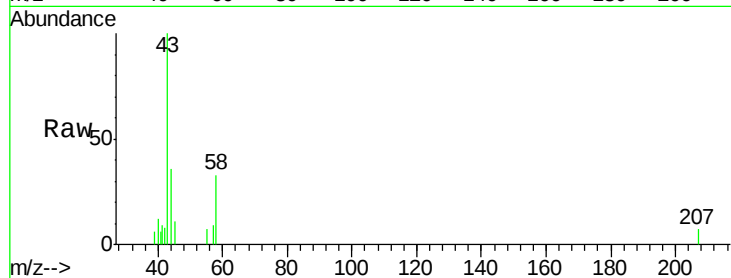
VY0115SBL01

Tgt Ion: 43 Resp: 2507

Ion Ratio Lower Upper

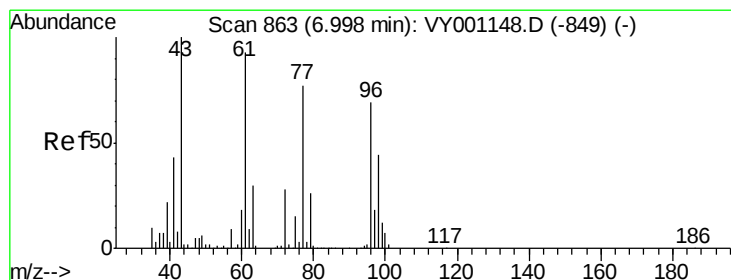
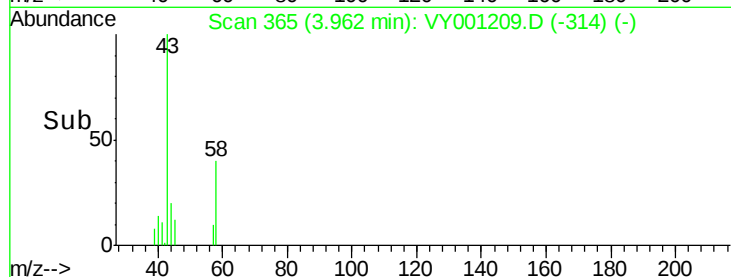
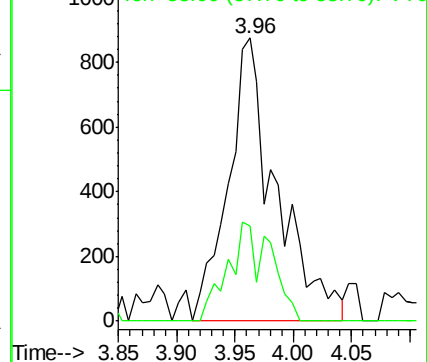
43 100

58 33.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 4.435 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001209.D

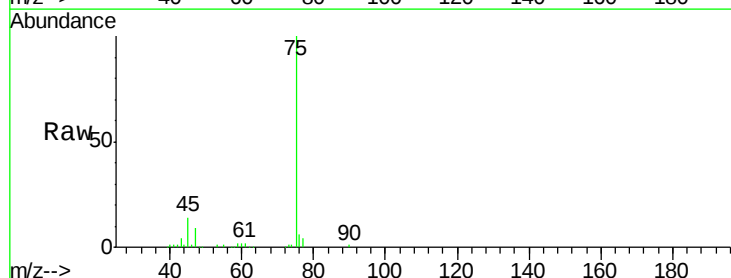
Acq: 15 Jan 2020 11:47

Tgt Ion: 43 Resp: 2983

Ion Ratio Lower Upper

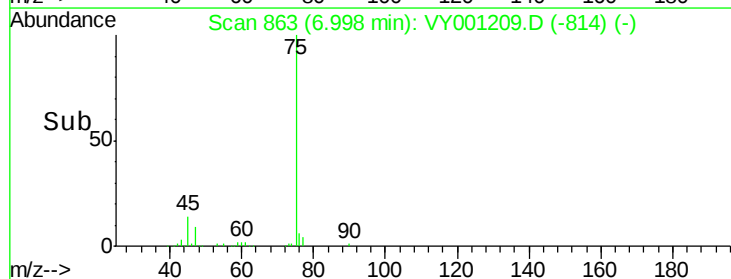
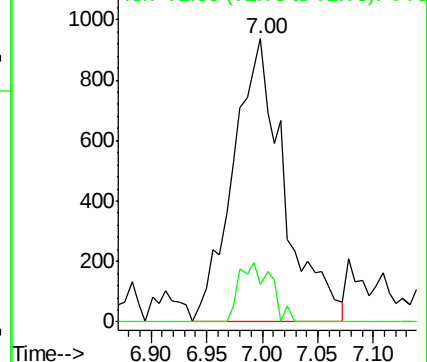
43 100

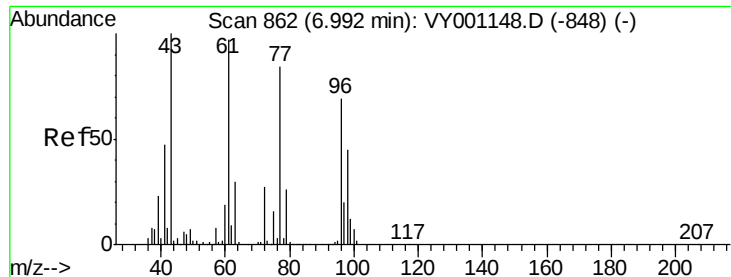
72 13.3 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#26

2,2-Dichloropropane

Concen: 1.056 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

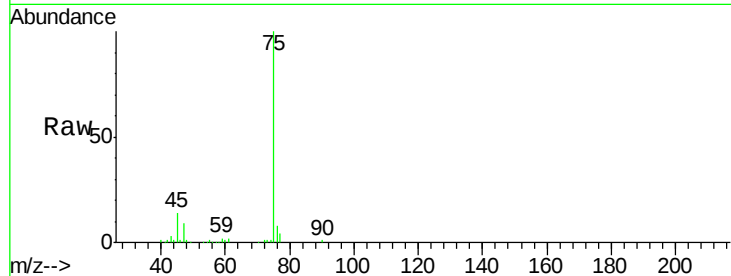
VY0115SBL01

Tgt Ion: 77 Resp: 3301

Ion Ratio Lower Upper

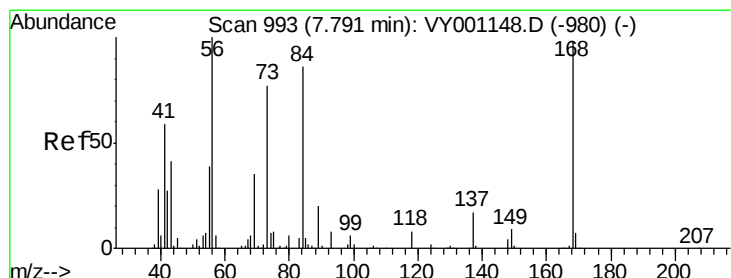
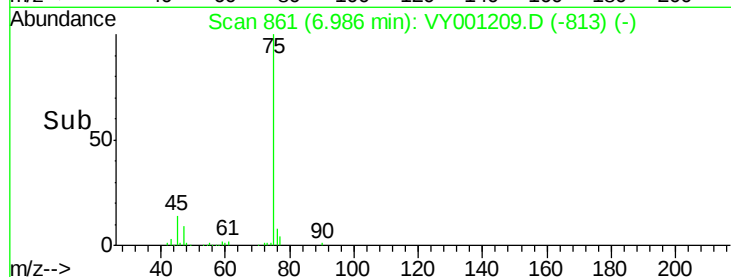
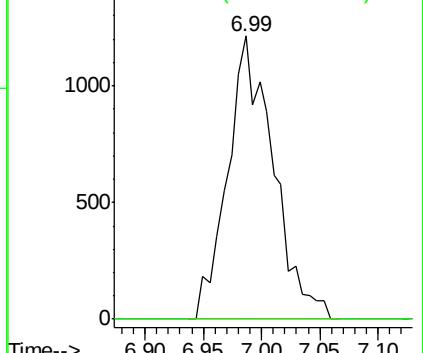
77 100

97 0.0 11.9 35.7#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

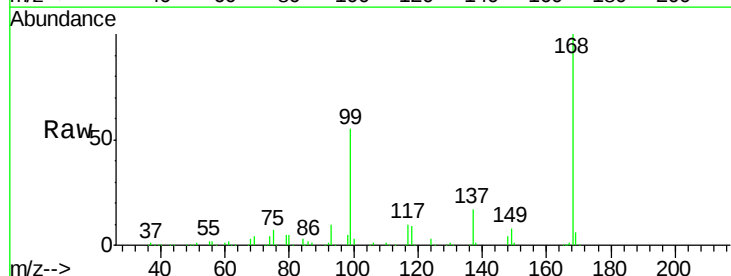
Tgt Ion: 56 Resp: 3837

Ion Ratio Lower Upper

56 100

69 157.7 27.8 41.8#

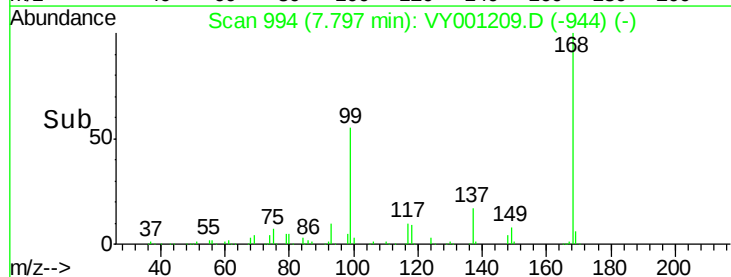
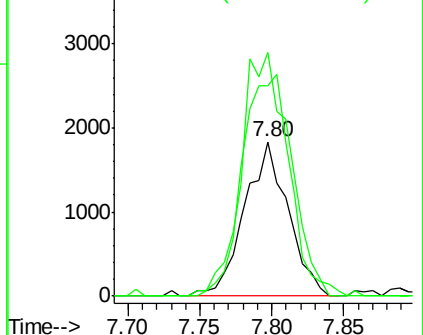
84 136.0 68.9 103.3#

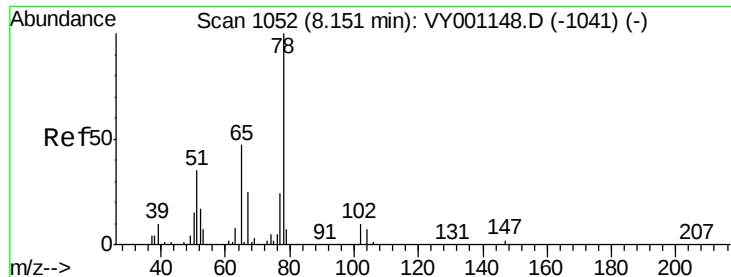


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 55.219 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

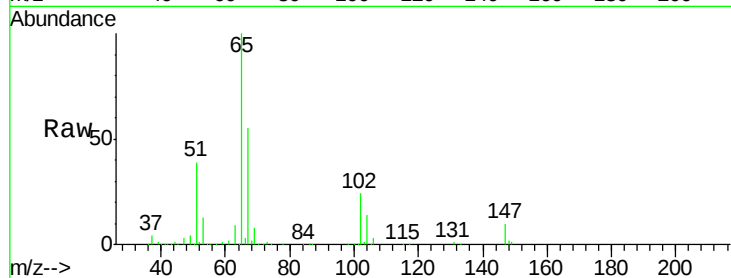
VY0115SBL01

Tgt Ion: 65 Resp: 102746

Ion Ratio Lower Upper

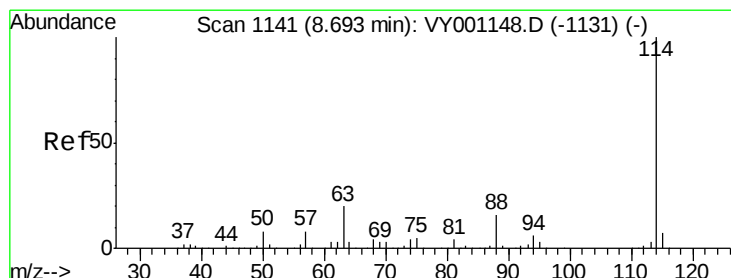
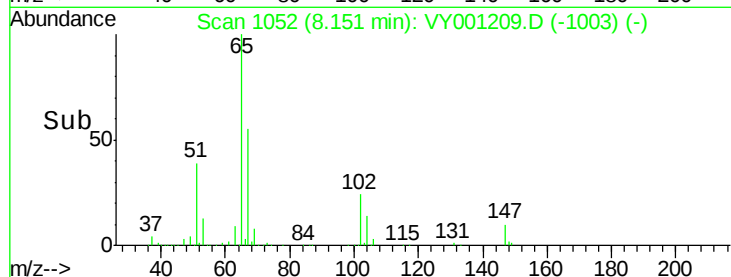
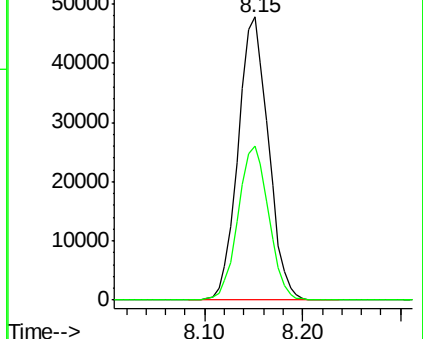
65 100

67 55.4 0.0 105.2



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: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

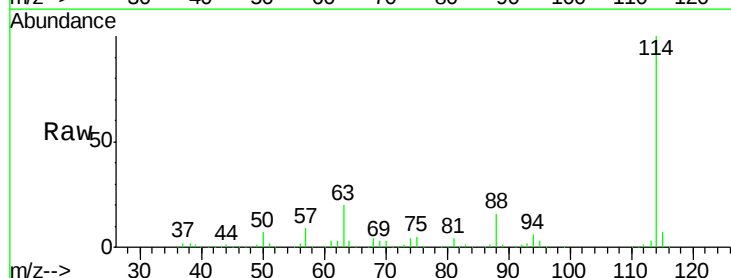
Tgt Ion: 114 Resp: 323812

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

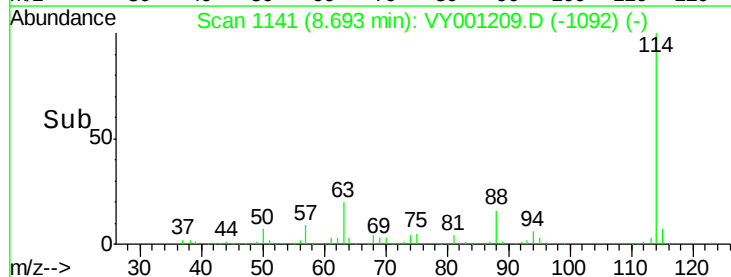
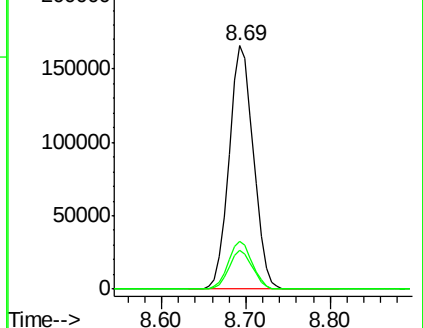
88 16.2 0.0 32.4

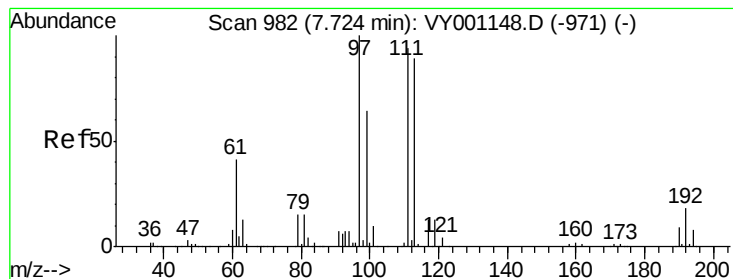


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.783 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBL01

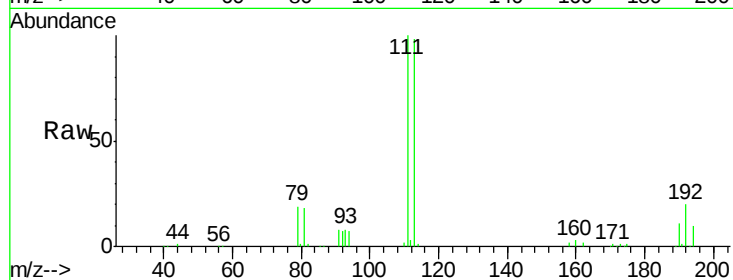
Tgt Ion:113 Resp: 96280

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

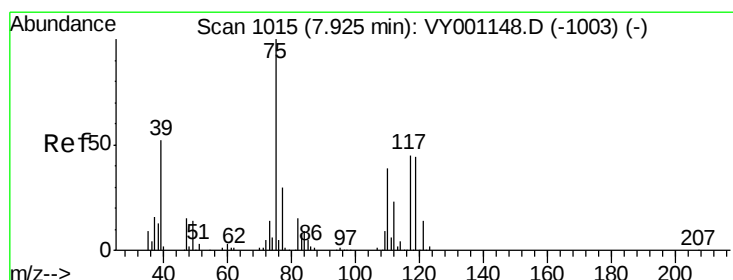
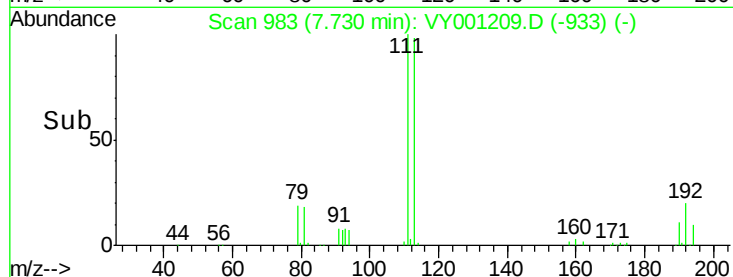
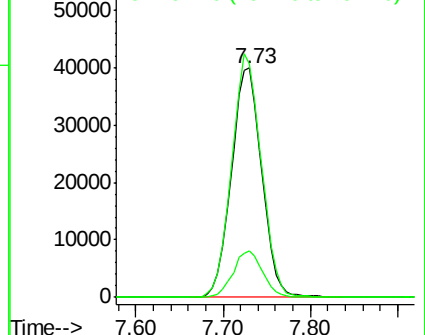
192 19.7 15.4 23.2



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: 4.559 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

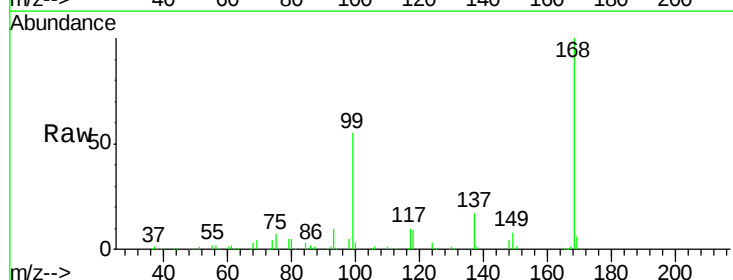
Tgt Ion: 75 Resp: 13454

Ion Ratio Lower Upper

75 100

110 7.6 18.3 54.8#

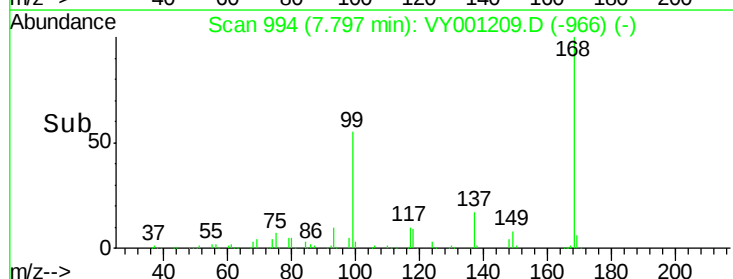
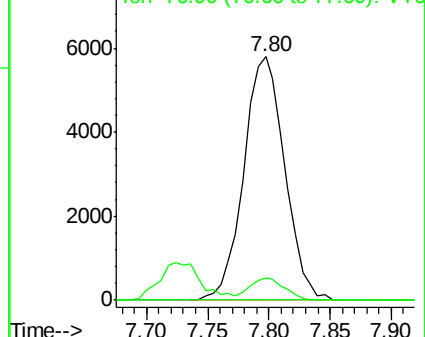
77 0.0 25.1 37.7#

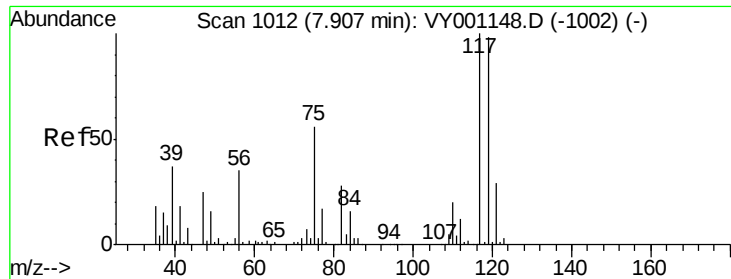


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

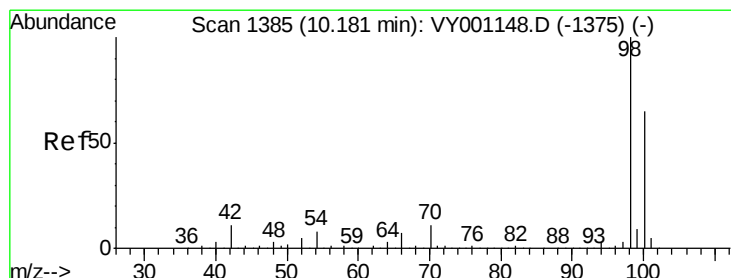
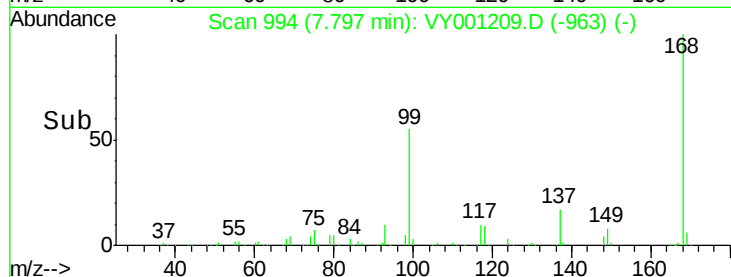
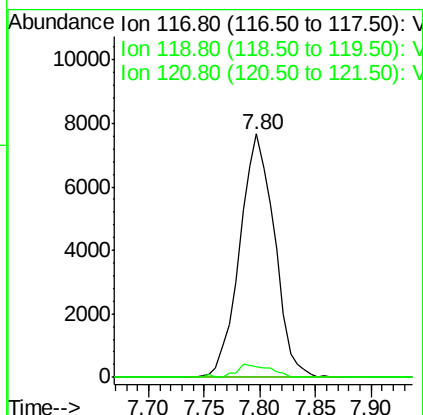
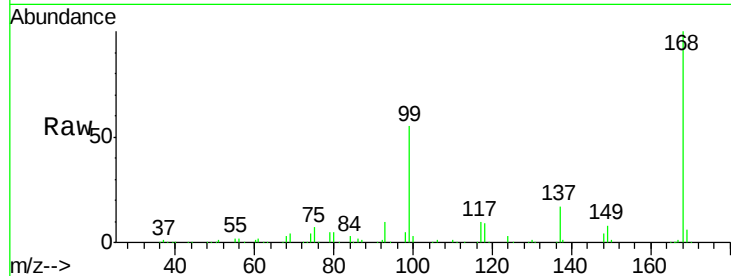




#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001209.D
Acq: 15 Jan 2020 11:47

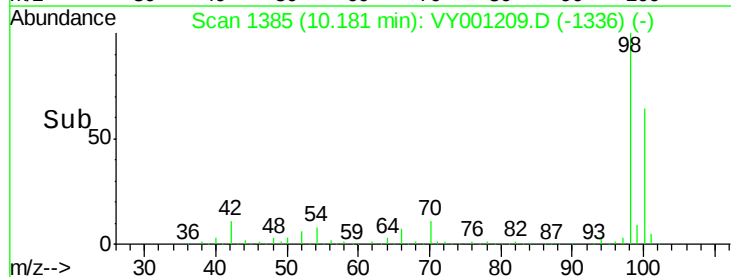
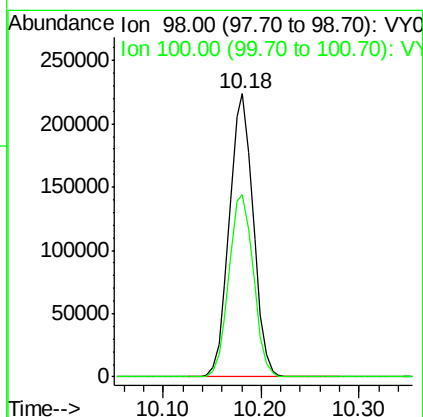
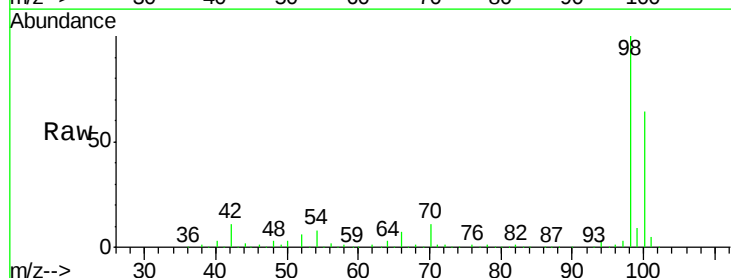
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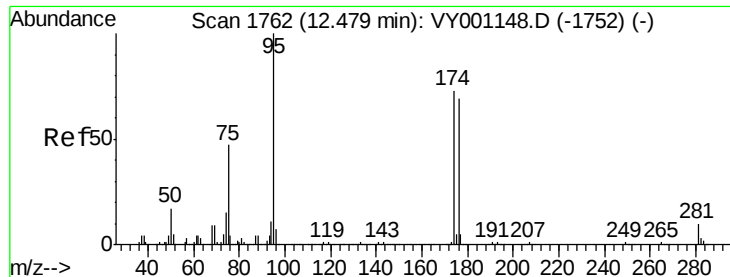
Tgt Ion: 117 Resp: 16631
Ion Ratio Lower Upper
117 100
119 4.5 78.3 117.5#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 51.927 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001209.D
Acq: 15 Jan 2020 11:47

Tgt Ion: 98 Resp: 379342
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

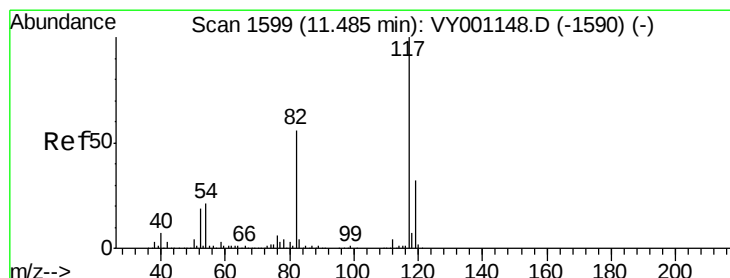
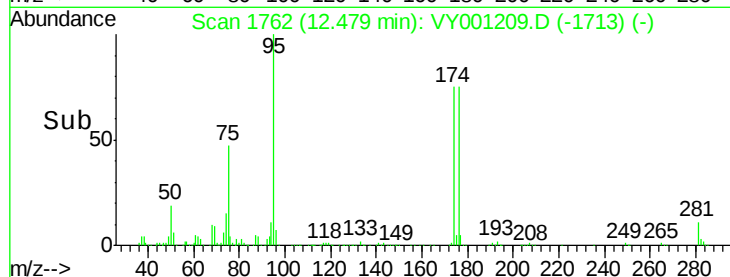
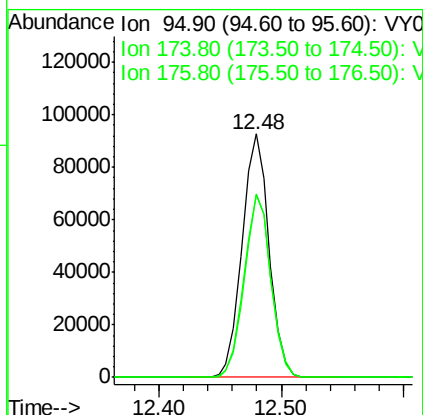
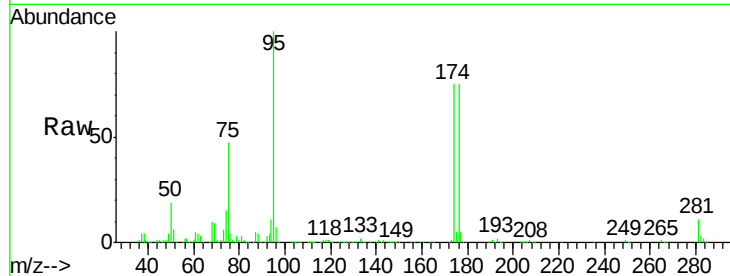




#62
4-Bromofluorobenzene
Concen: 47.147 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001209.D
Acq: 15 Jan 2020 11:47

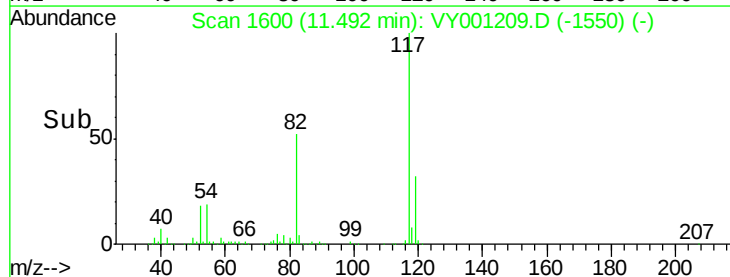
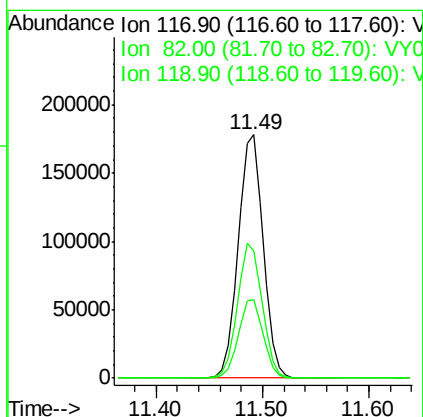
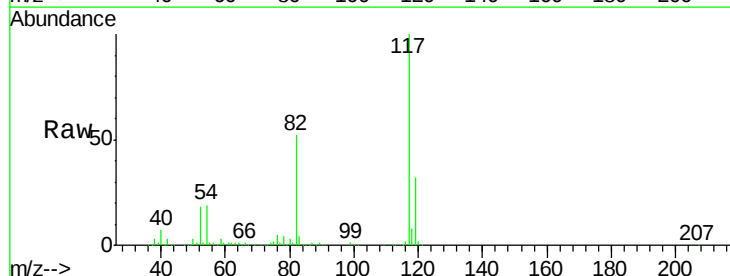
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBL01

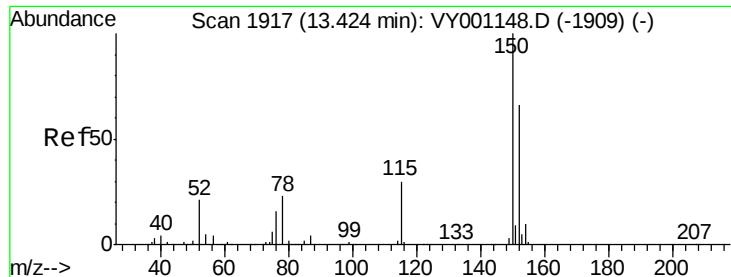
Tgt Ion: 95 Resp: 140811
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.2
176 73.7 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001209.D
Acq: 15 Jan 2020 11:47

Tgt Ion: 117 Resp: 293505
Ion Ratio Lower Upper
117 100
82 52.2 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: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBL01

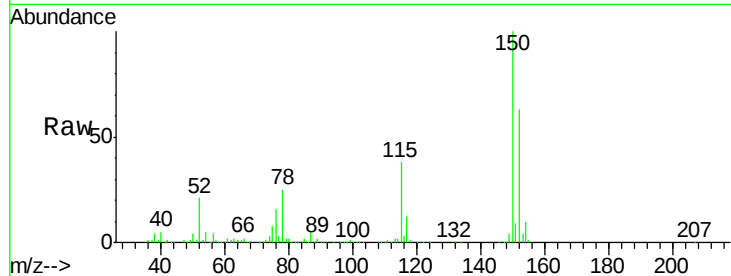
Tgt Ion:152 Resp: 134579

Ion Ratio Lower Upper

152 100

115 59.4 30.9 92.5

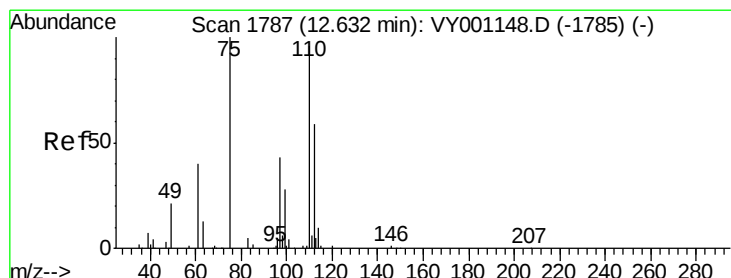
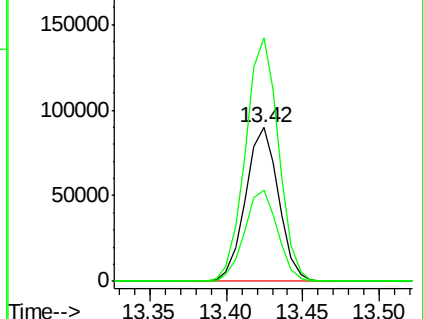
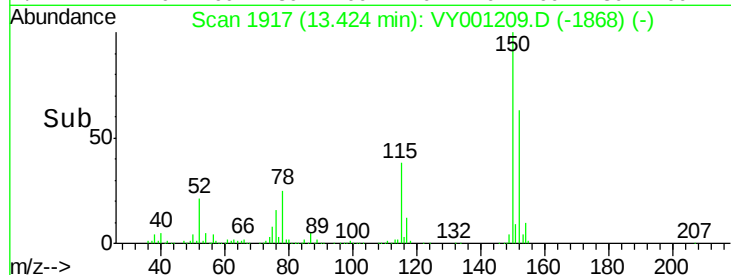
150 158.5 0.0 346.8



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: 47.184 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001209.D

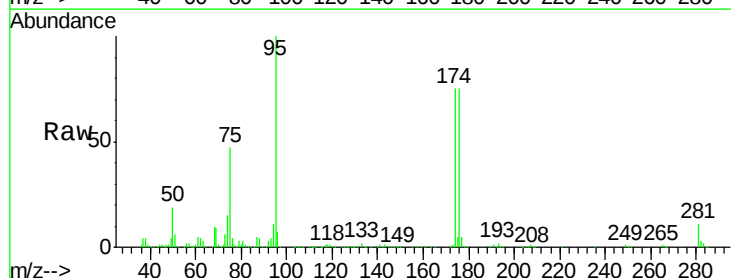
Acq: 15 Jan 2020 11:47

Tgt Ion: 75 Resp: 67977

Ion Ratio Lower Upper

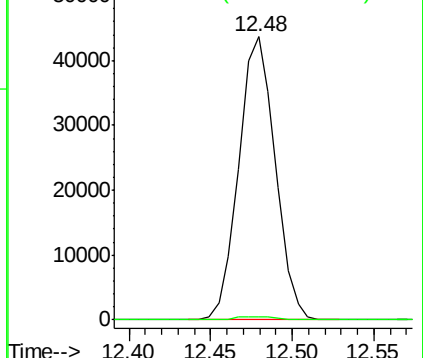
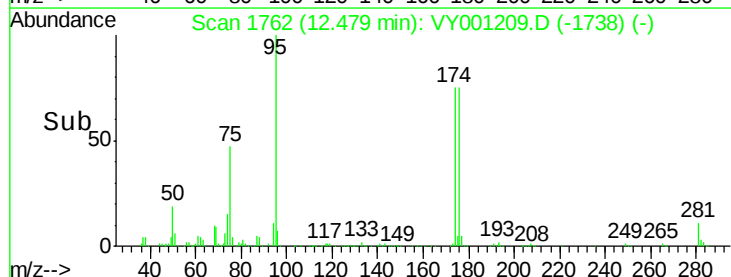
75 100

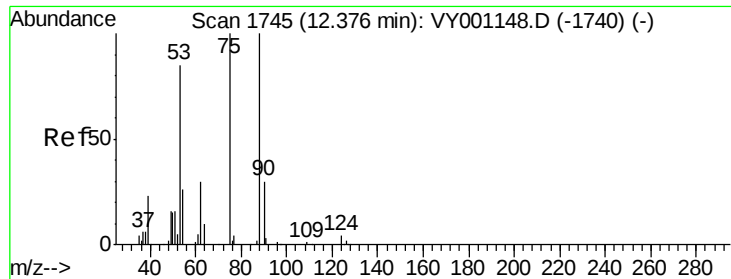
77 1.3 0.0 0.0#



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: 80.014 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001209.D

Acq: 15 Jan 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBL01

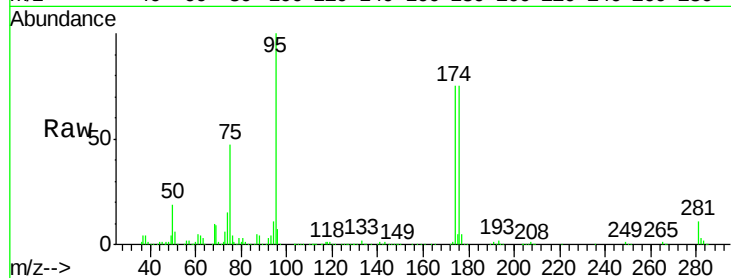
Tgt Ion: 75 Resp: 67977

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.4 0.0 0.0#



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

