

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020420\
 Data File : VY001488.D
 Acq On : 04 Feb 2020 15:54
 Operator : SY/MD
 Sample : VY0204SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

Quant Time: Feb 04 16:15:42 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	7.80	168	186759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	345002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	311585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	144699	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	110854	58.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.90%	
35) Dibromofluoromethane	7.74	113	104257	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.19	98	399218	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.49	95	155148	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

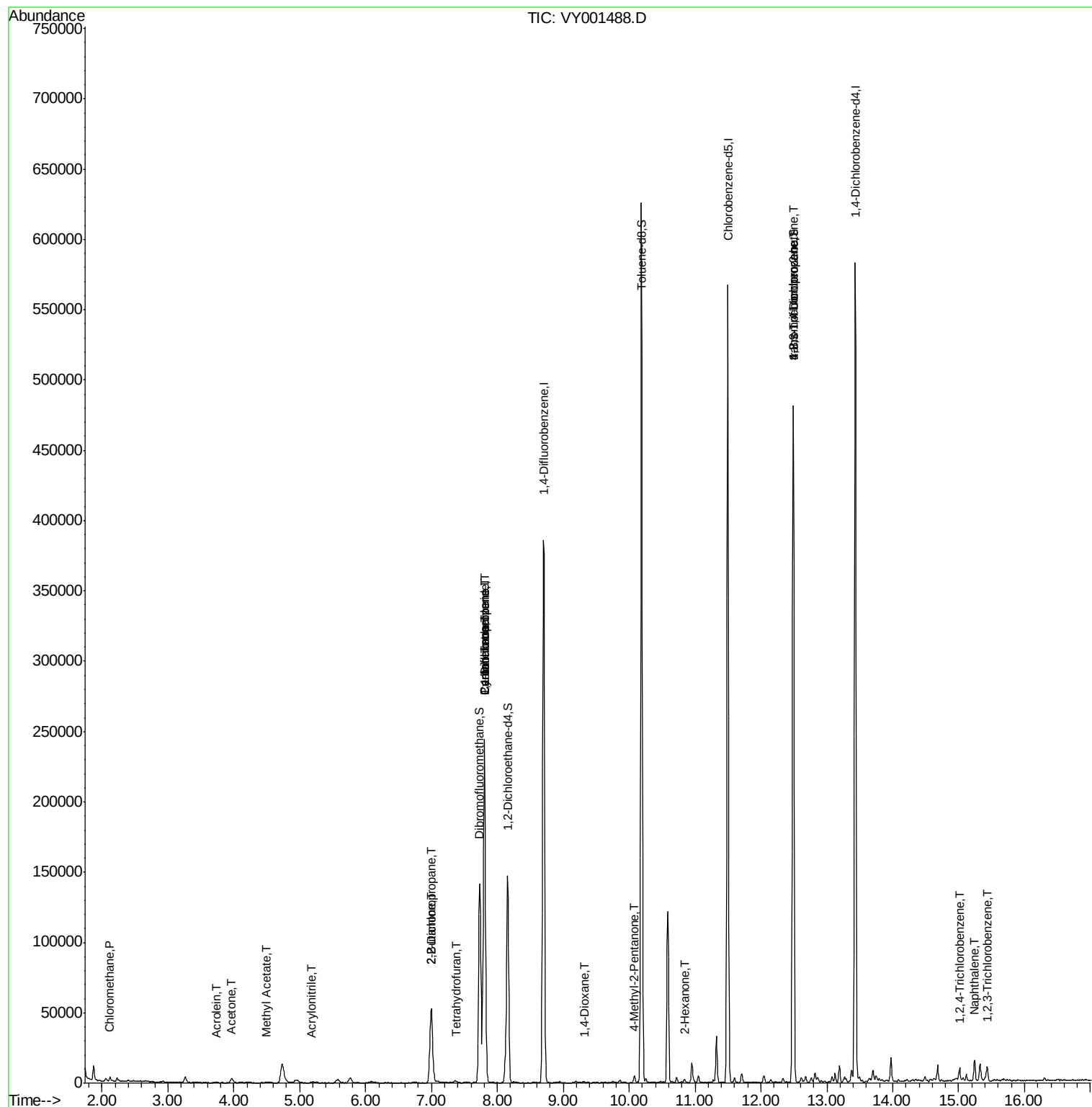
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	2399	1.26	ug/l	99
11) Tert butyl alcohol	4.94	59	1665	Below Cal	#	76
13) Acrolein	3.73	56	219	1.23	ug/l #	76
15) Acrylonitrile	5.19	53	858	1.69	ug/l #	52
16) Acetone	3.97	43	5622	10.34	ug/l	97
18) Methyl Acetate	4.50	43	1229	1.06	ug/l #	75
25) 2-Butanone	7.00	43	4491	6.36	ug/l #	78
26) 2,2-Dichloropropane	7.00	77	3914	1.14	ug/l #	52
29) Tetrahydrofuran	7.37	42	992	2.35	ug/l #	80
31) Cyclohexane	7.81	56	4097	1.12	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14543	4.61	ug/l #	51
38) Carbon Tetrachloride	7.80	117	18537	6.07	ug/l #	16
49) 1,4-Dioxane	9.31	88	87	5.40	ug/l #	22
51) 4-Methyl-2-Pentanone	10.08	43	3242	2.18	ug/l	98
59) 2-Hexanone	10.85	43	1896	1.75	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	75353	48.42	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	75353	93.70	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.02	180	2885	1.03	ug/l	96
95) Naphthalene	15.24	128	12297	1.87	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	3272	1.33	ug/l	91

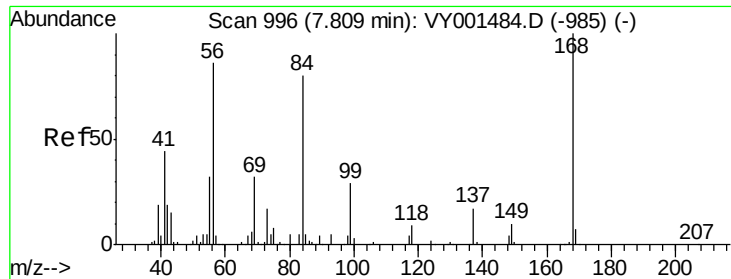
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

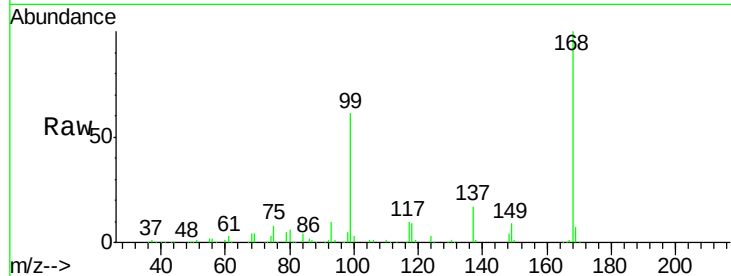
VY0204SBL01

Tgt Ion: 168 Resp: 186759

Ion Ratio Lower Upper

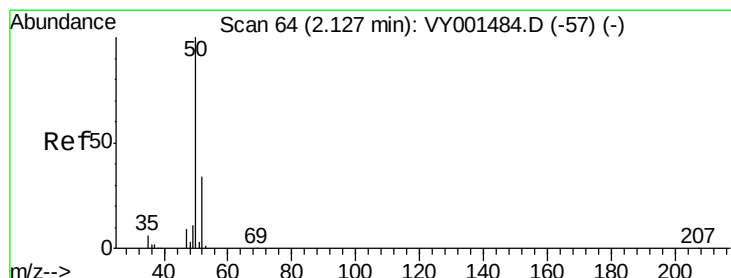
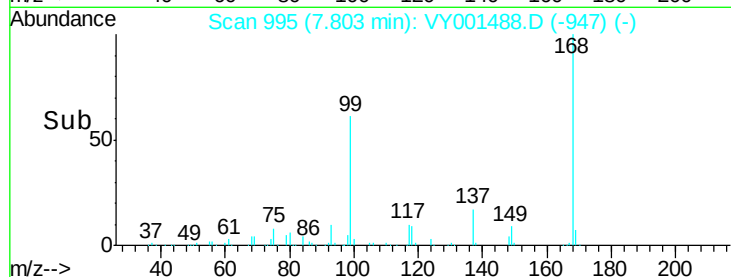
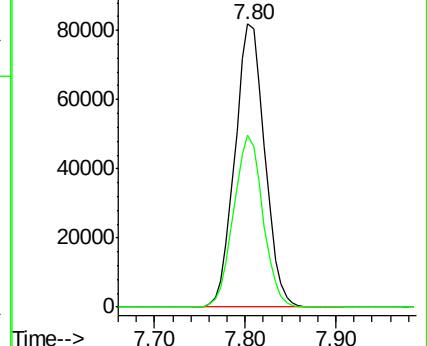
168 100

99 60.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#3

Chloromethane

Concen: 1.26 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001488.D

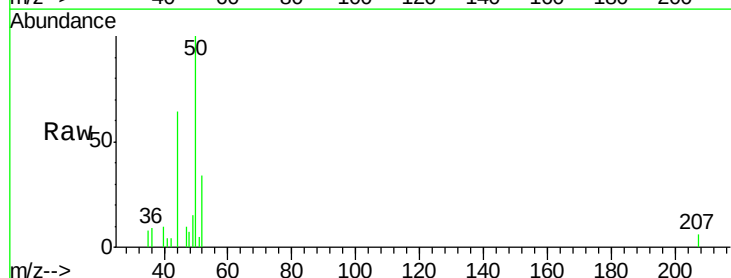
Acq: 04 Feb 2020 15:54

Tgt Ion: 50 Resp: 2399

Ion Ratio Lower Upper

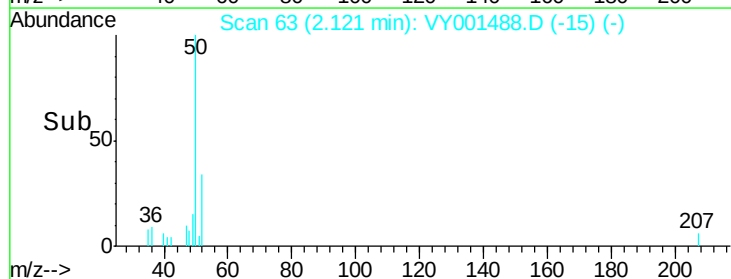
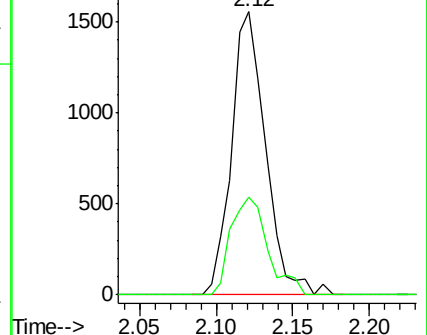
50 100

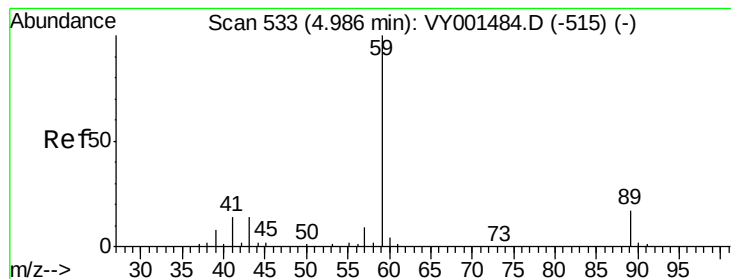
52 34.5 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



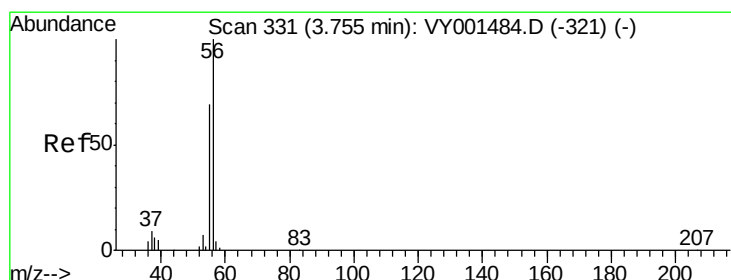
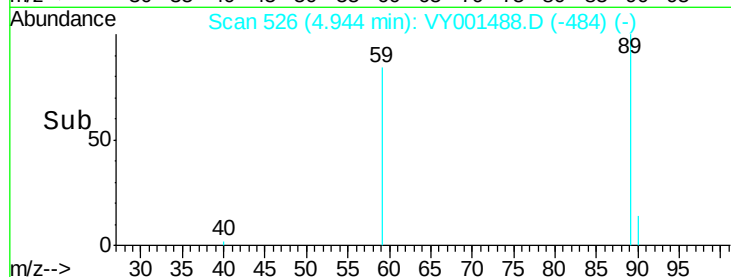
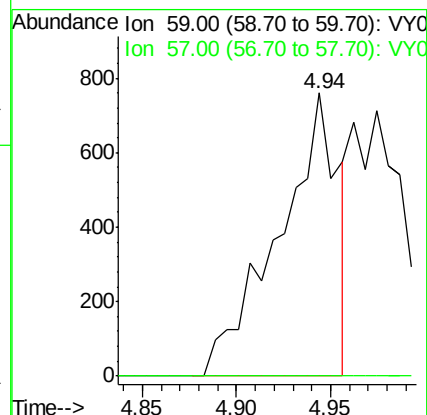
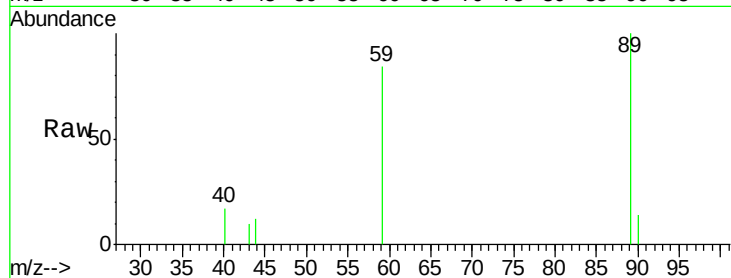


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.94 min Scan# 526
 Delta R.T. -0.04 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

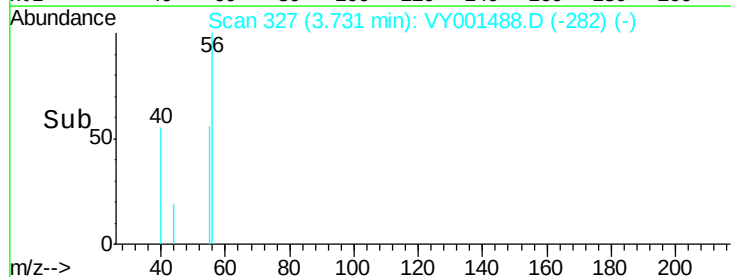
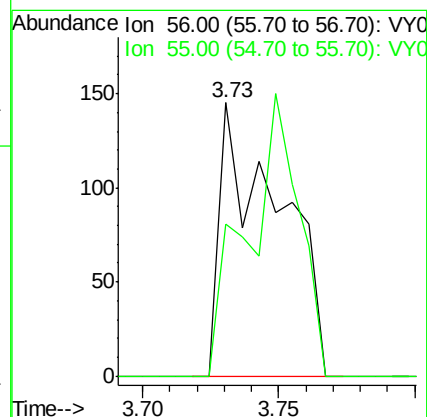
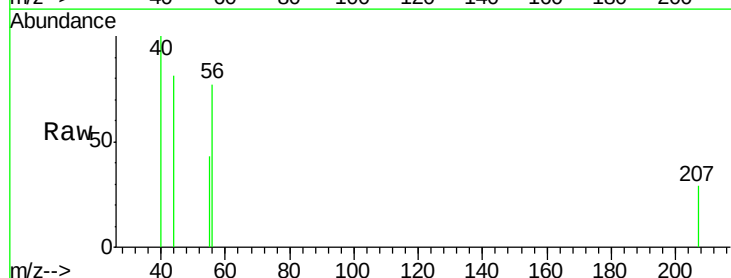
Tgt Ion: 59 Resp: 1665
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.6#

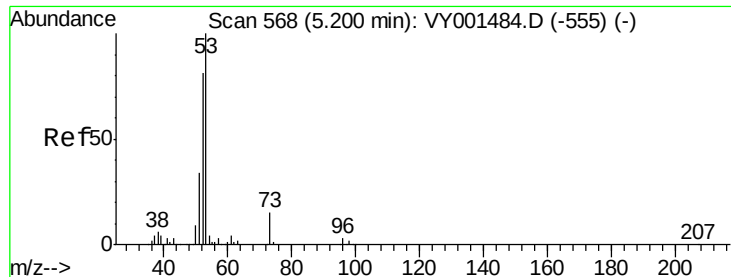


#13

Acrolein
 Concen: 1.23 ug/l
 RT: 3.73 min Scan# 327
 Delta R.T. -0.02 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Tgt Ion: 56 Resp: 219
 Ion Ratio Lower Upper
 56 100
 55 90.4 56.2 84.4#





#15

Acrylonitrile

Concen: 1.69 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

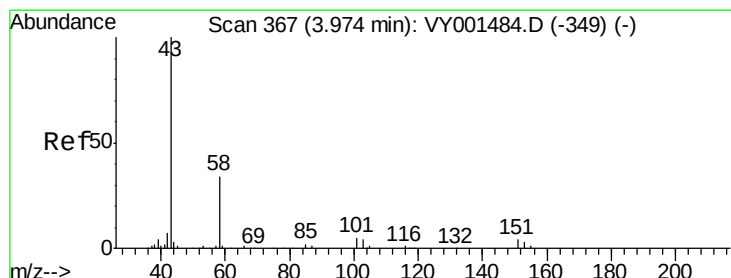
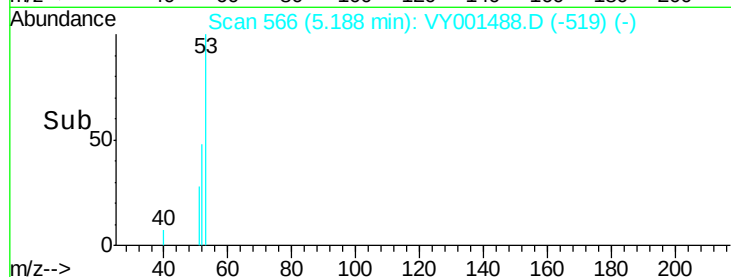
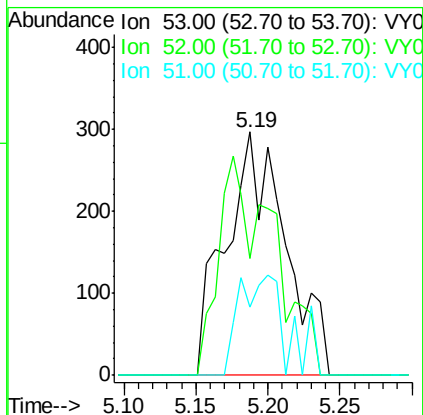
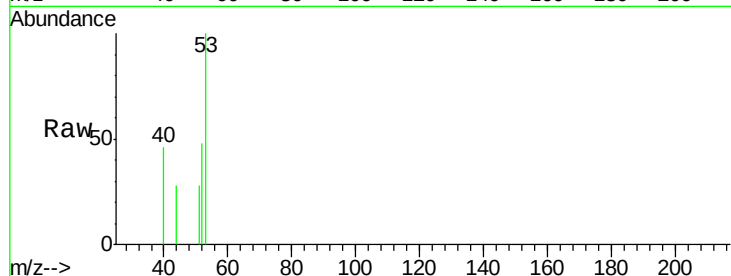
Tgt Ion: 53 Resp: 858

Ion Ratio Lower Upper

53 100

52 43.7 65.4 98.2#

51 0.0 29.0 43.4#



#16

Acetone

Concen: 10.34 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001488.D

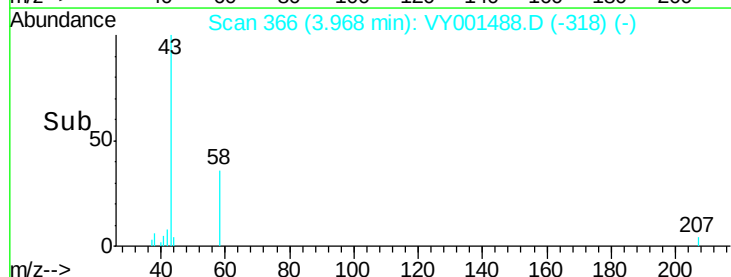
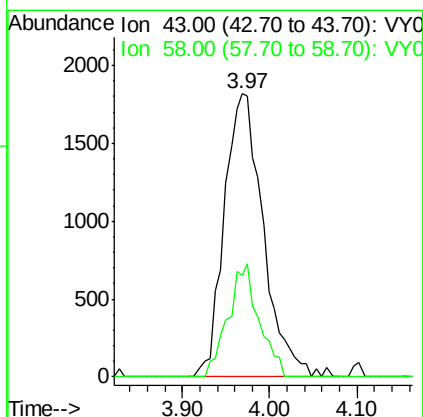
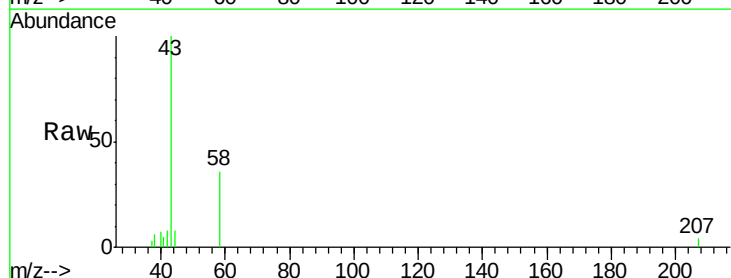
Acq: 04 Feb 2020 15:54

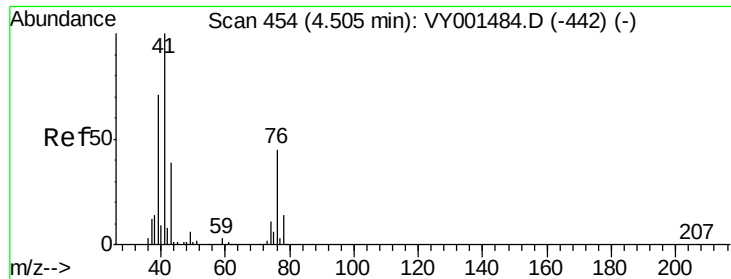
Tgt Ion: 43 Resp: 5622

Ion Ratio Lower Upper

43 100

58 35.9 27.5 41.3

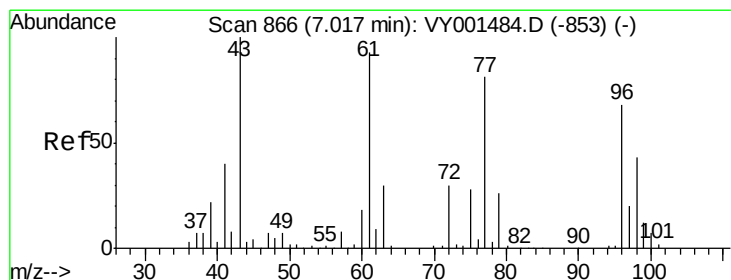
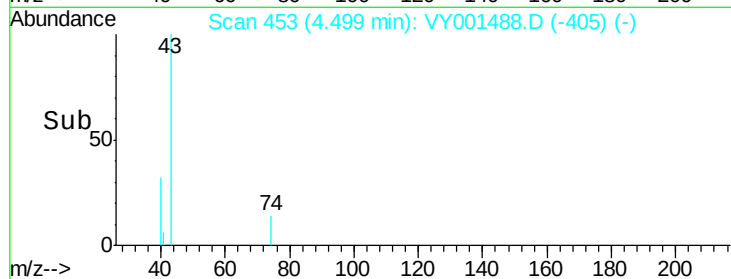
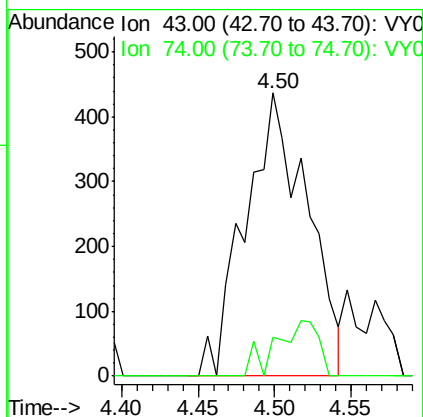
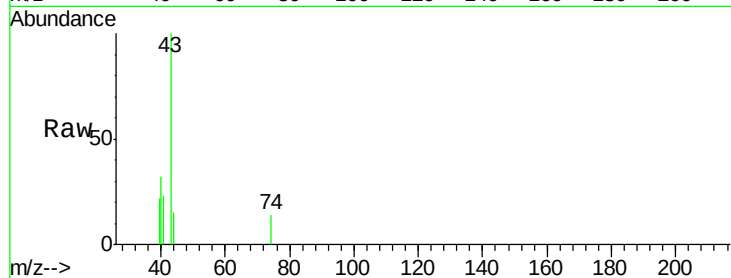




#18
Methyl Acetate
Concen: 1.06 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001488.D
Acq: 04 Feb 2020 15:54

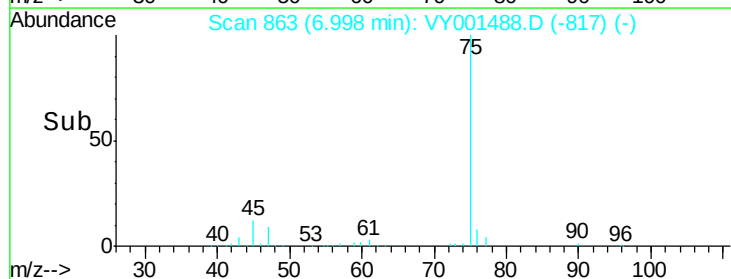
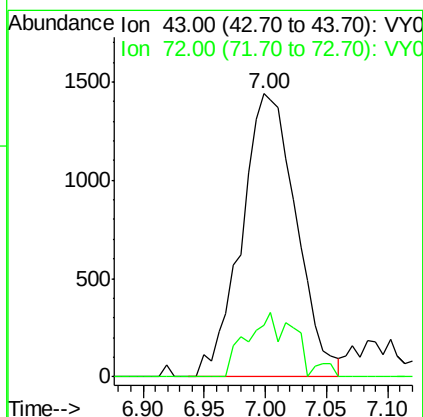
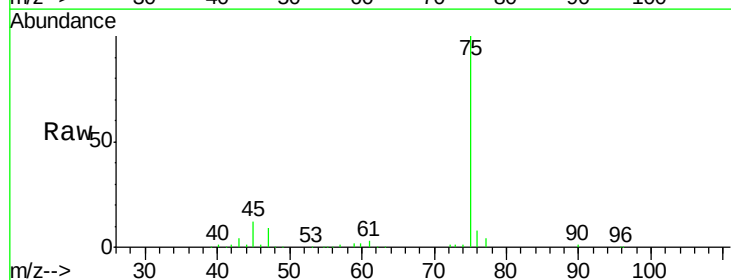
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

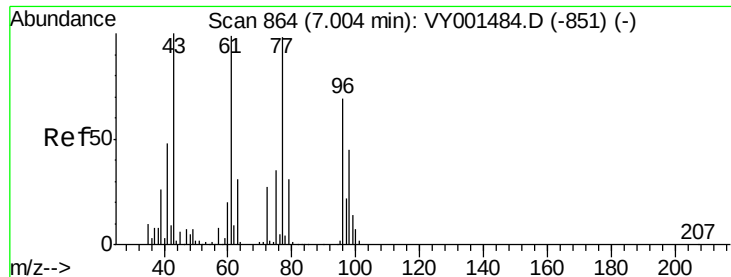
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
74 13.5 21.0 31.6#



#25
2-Butanone
Concen: 6.36 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001488.D
Acq: 04 Feb 2020 15:54

Tgt Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
72 18.1 23.8 35.8#

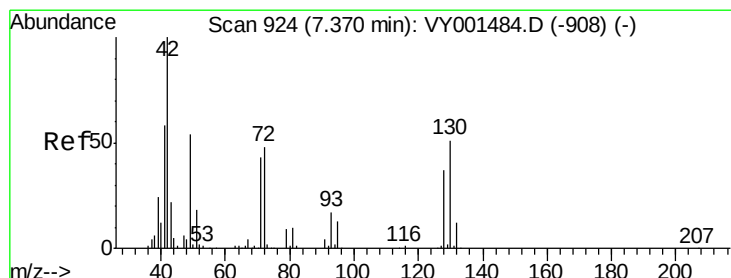
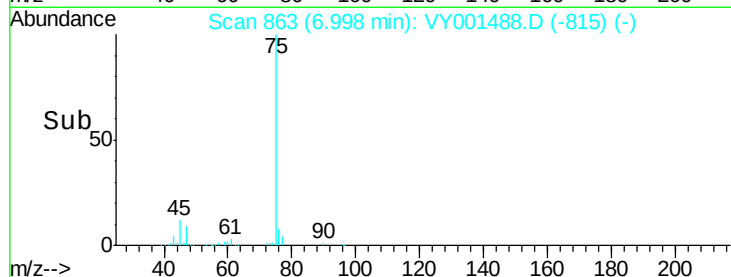
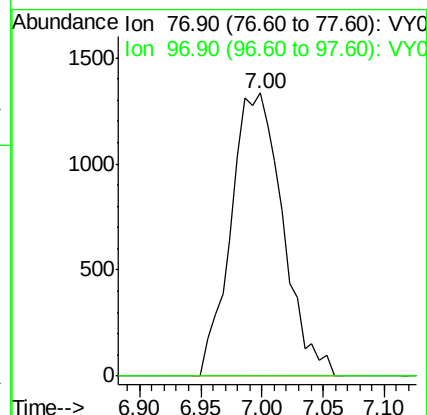
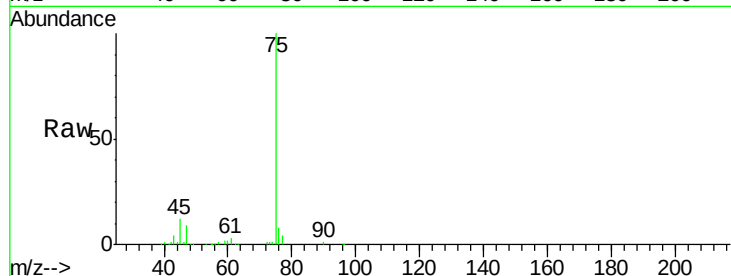




#26
 2,2-Dichloropropane
 Concen: 1.14 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

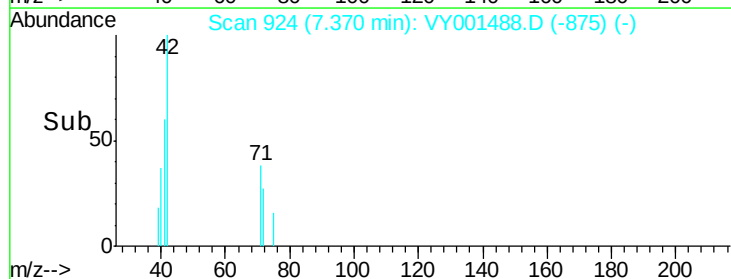
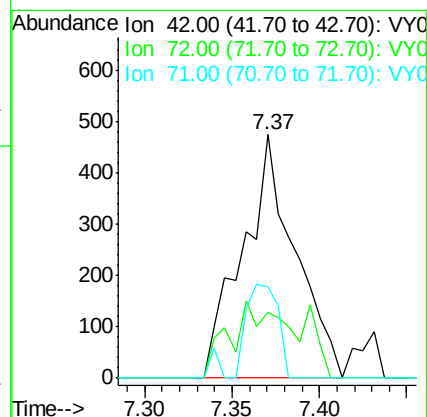
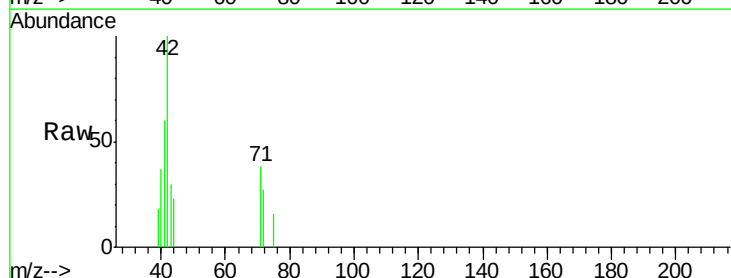
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

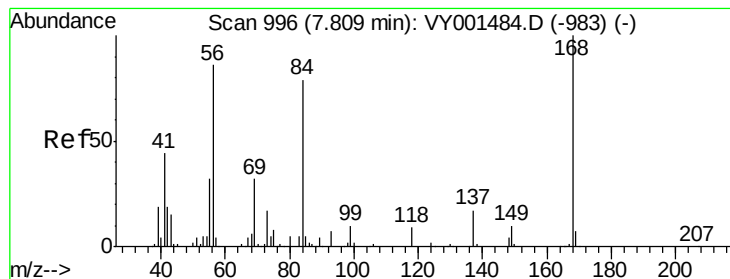
Tgt Ion: 77 Resp: 3914
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 2.35 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Tgt Ion: 42 Resp: 992
 Ion Ratio Lower Upper
 42 100
 72 40.9 37.8 56.6
 71 23.5 34.8 52.2#





#31

Cyclohexane

Concen: 1.12 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

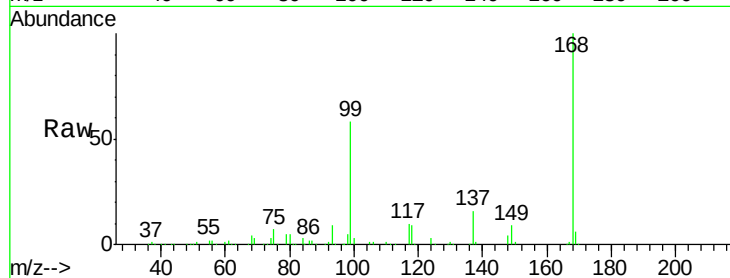
Tgt Ion: 56 Resp: 4097

Ion Ratio Lower Upper

56 100

69 159.5 29.6 44.4#

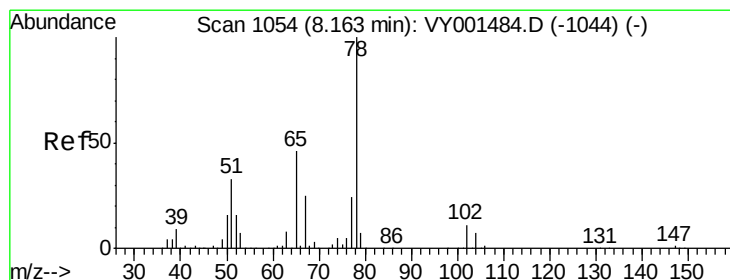
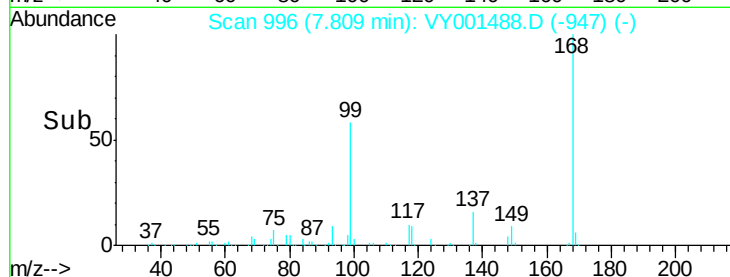
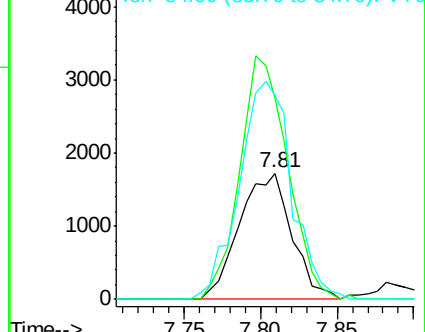
84 167.4 73.6 110.4#



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: 58.95 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001488.D

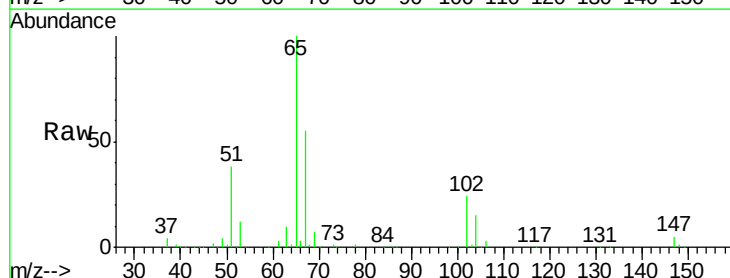
Acq: 04 Feb 2020 15:54

Tgt Ion: 65 Resp: 110854

Ion Ratio Lower Upper

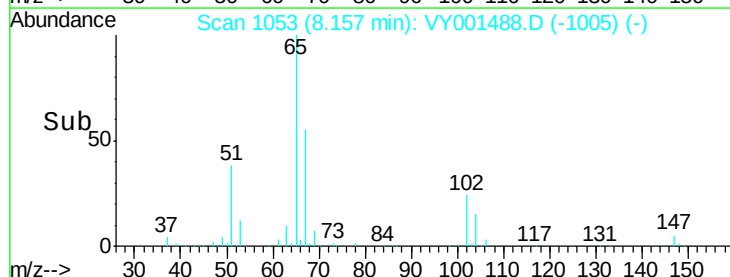
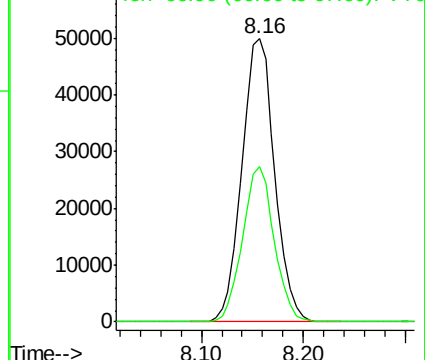
65 100

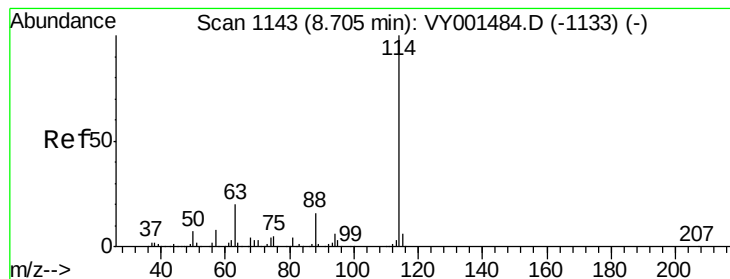
67 53.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

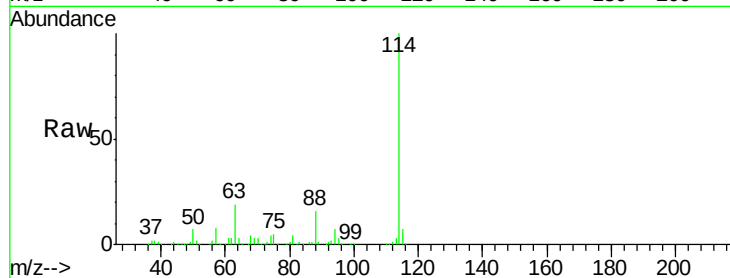
Tgt Ion:114 Resp: 345002

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

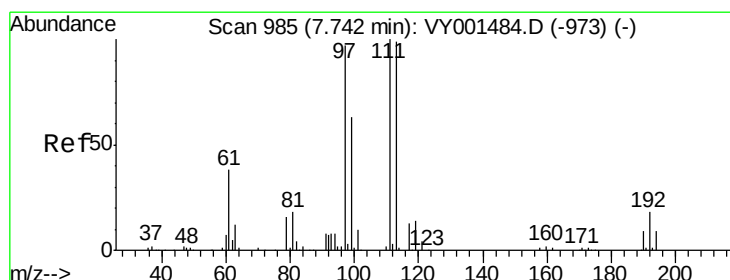
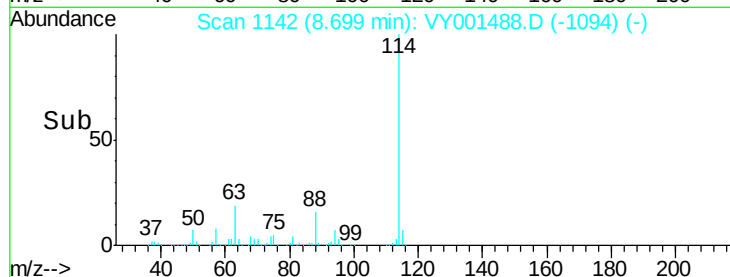
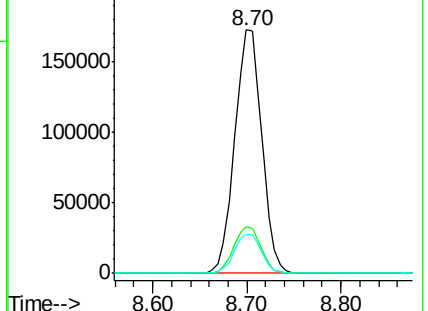
88 16.0 0.0 32.6



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: 52.41 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

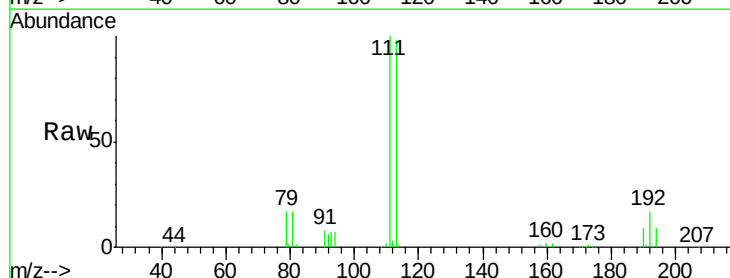
Tgt Ion:113 Resp: 104257

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

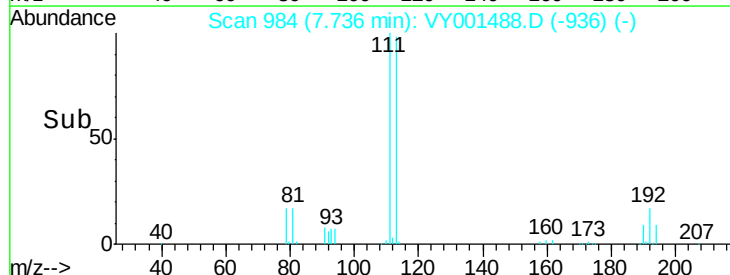
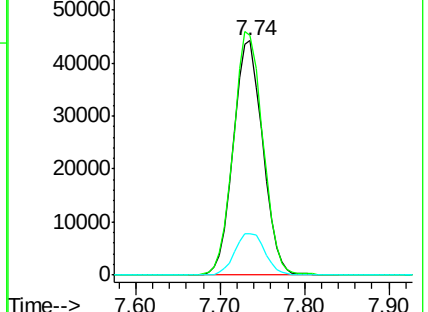
192 18.4 14.6 22.0

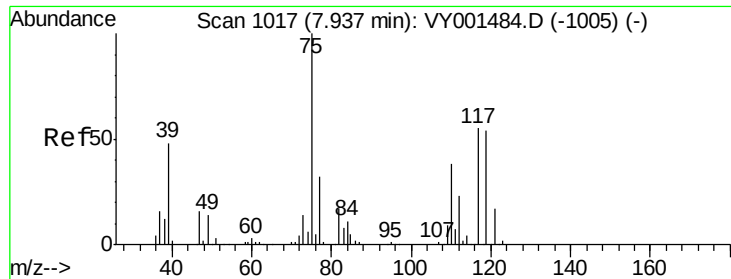


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

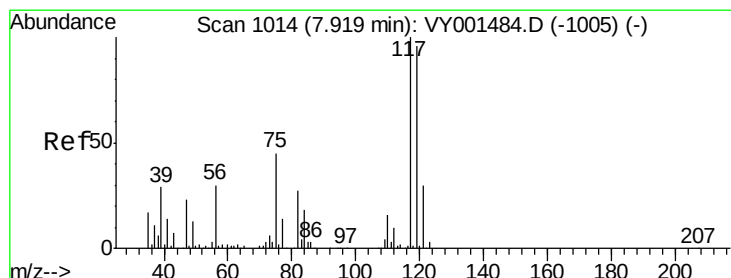
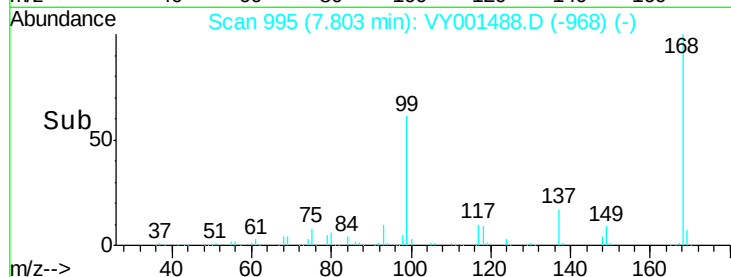
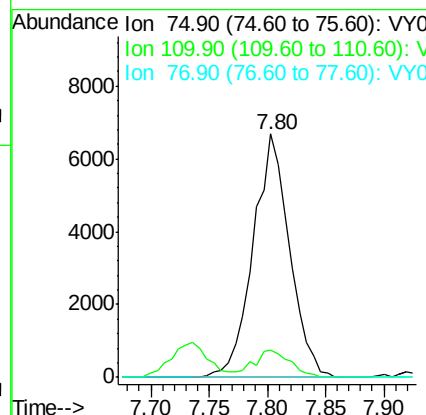
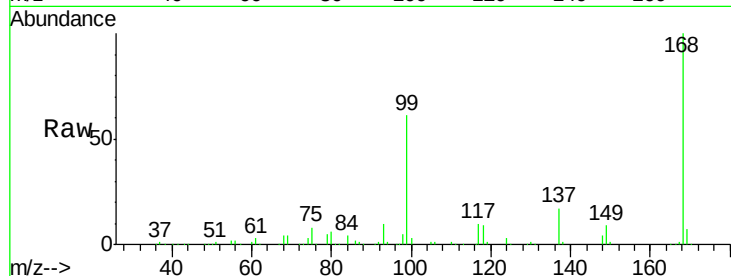




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

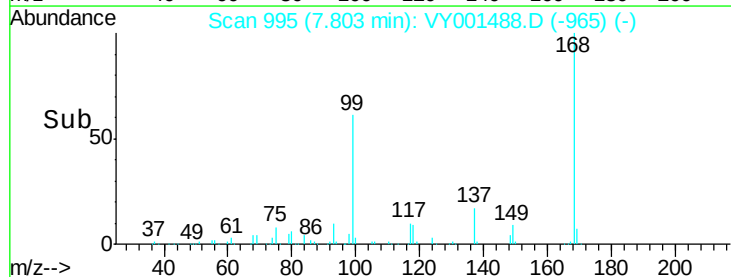
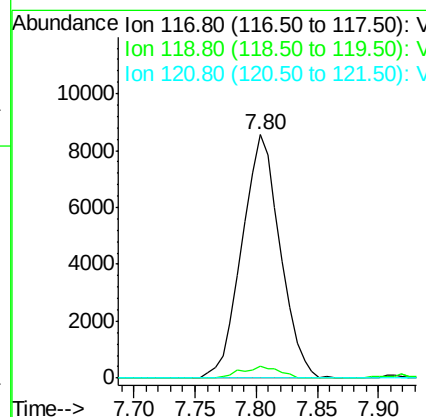
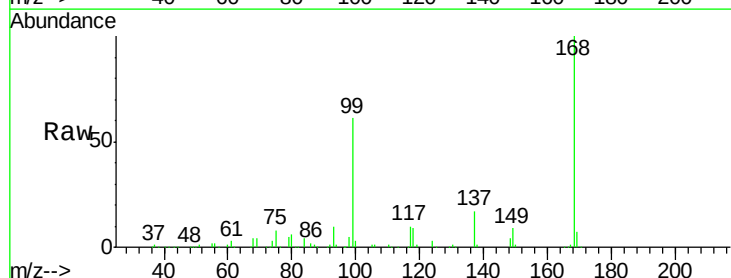
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

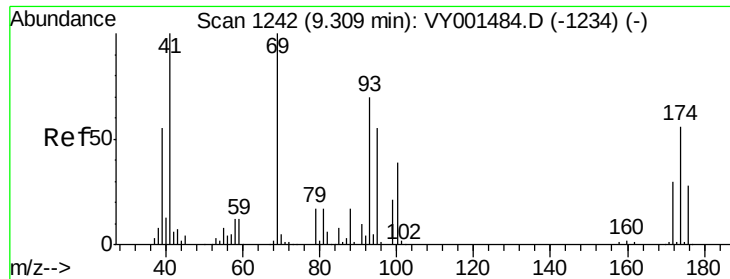
Tgt Ion: 75 Resp: 14543
 Ion Ratio Lower Upper
 75 100
 110 11.5 18.2 54.6#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.07 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Tgt Ion: 117 Resp: 18537
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.4 114.6#
 121 0.0 24.2 36.4#

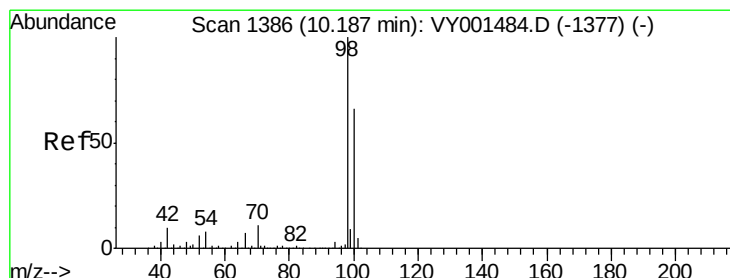
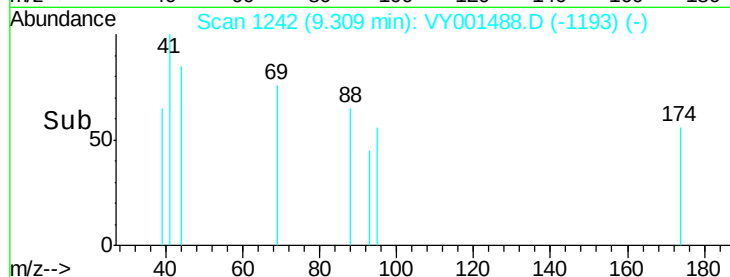
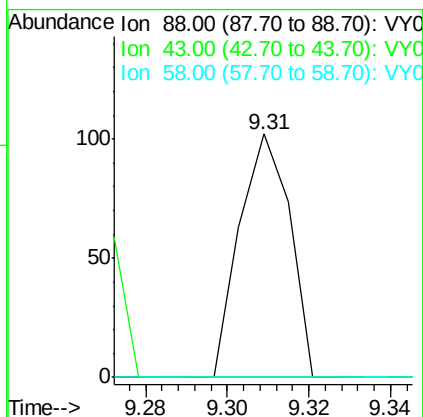
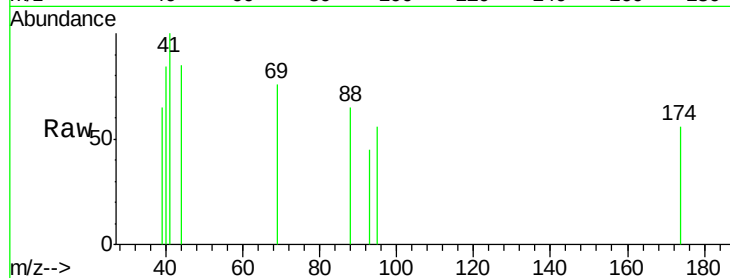




#49
 1,4-Dioxane
 Concen: 5.40 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

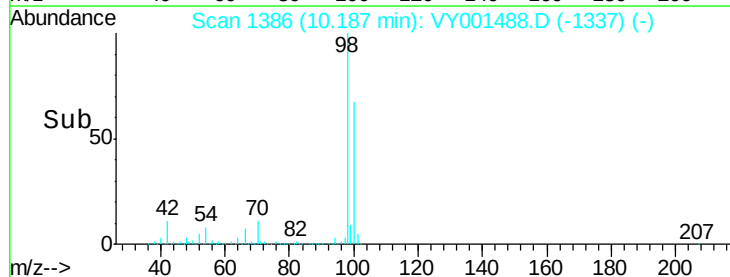
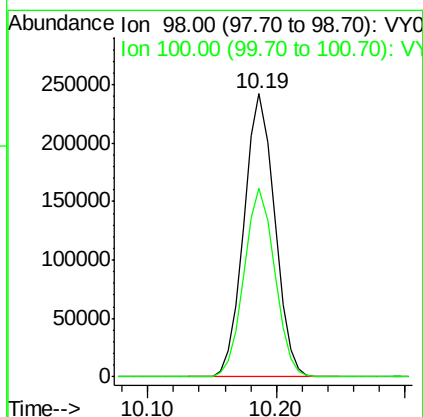
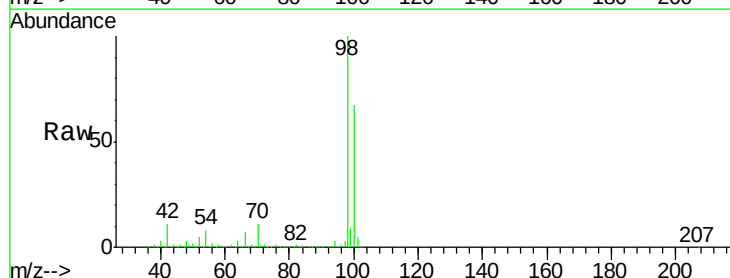
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

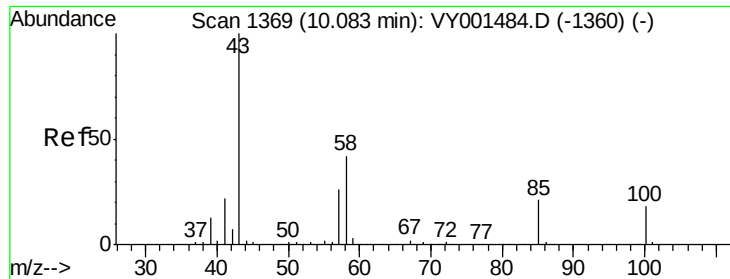
Tgt Ion: 88 Resp: 87
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.8 37.2#
 58 0.0 59.3 88.9#



#50
 Toluene-d8
 Concen: 53.04 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Tgt Ion: 98 Resp: 399218
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.0 79.6

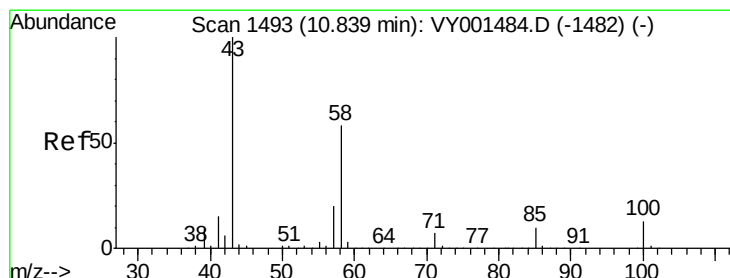
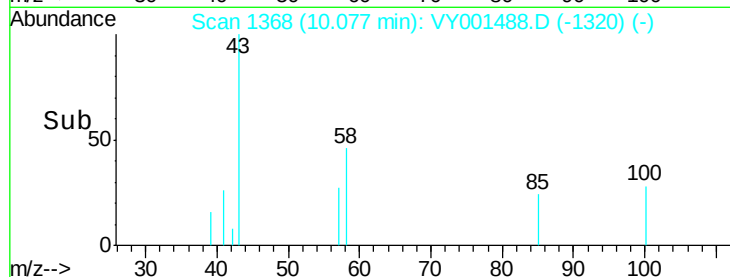
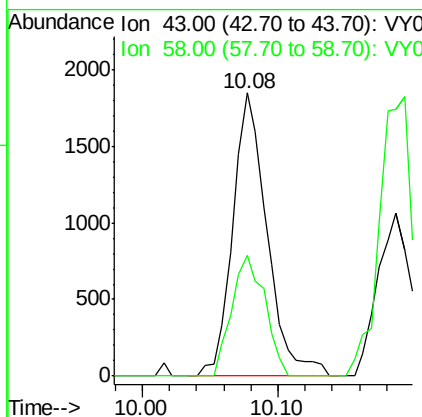
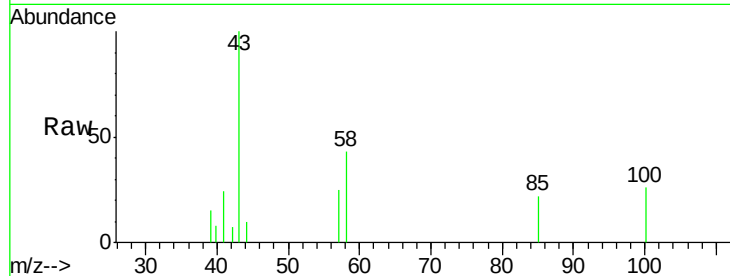




#51
 4-Methyl-2-Pentanone
 Concen: 2.18 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

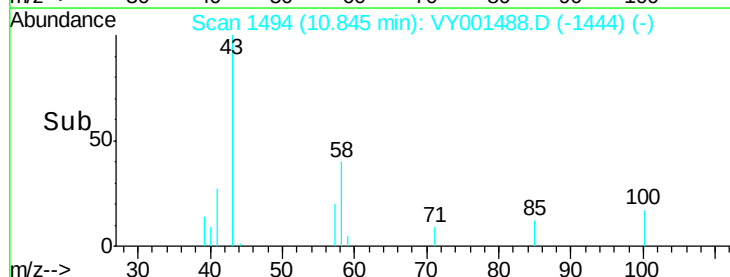
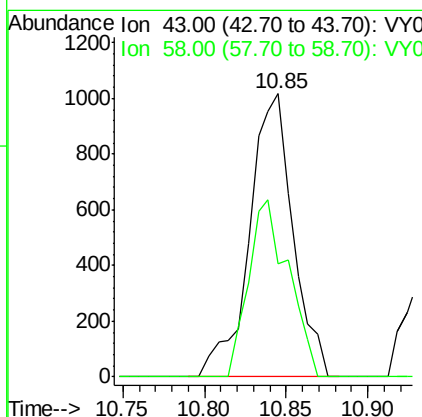
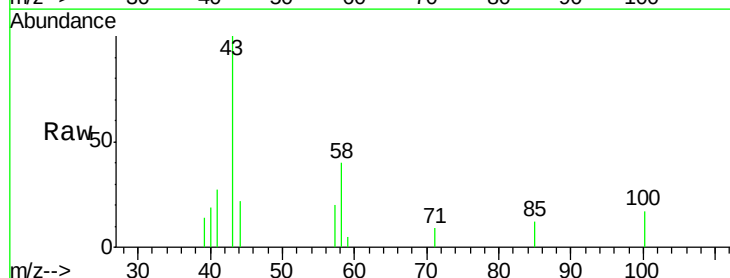
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

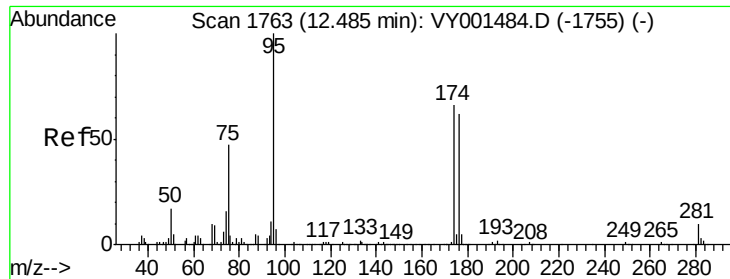
Tgt Ion: 43 Resp: 3242
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.9 50.9



#59
 2-Hexanone
 Concen: 1.75 ug/l
 RT: 10.85 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Tgt Ion: 43 Resp: 1896
 Ion Ratio Lower Upper
 43 100
 58 57.1 29.0 87.0

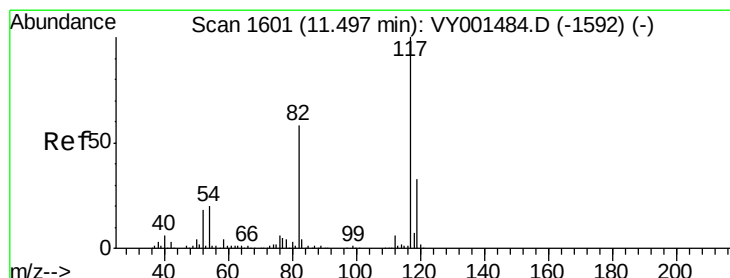
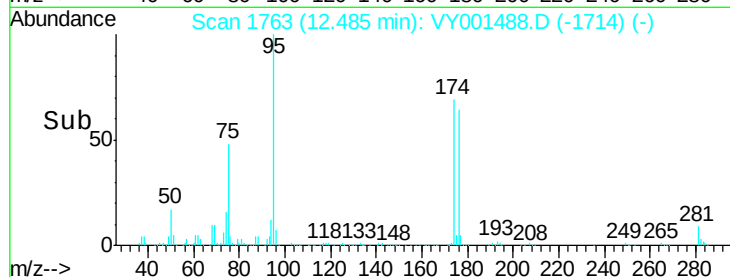
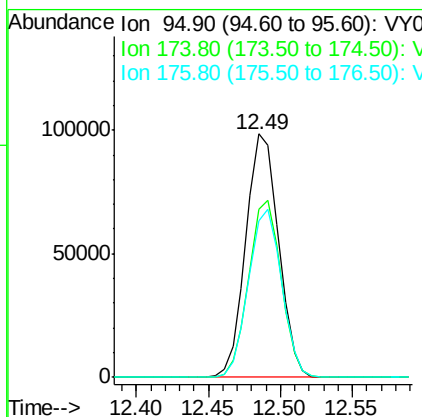
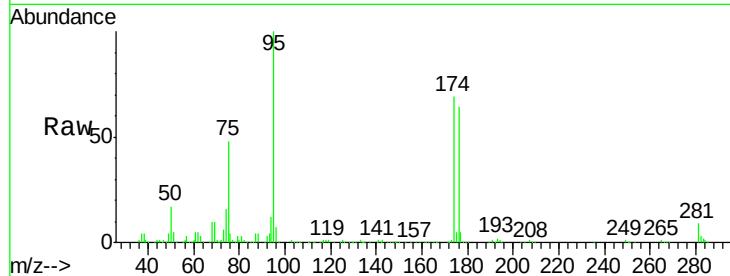




#62
 4-Bromofluorobenzene
 Concen: 52.32 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

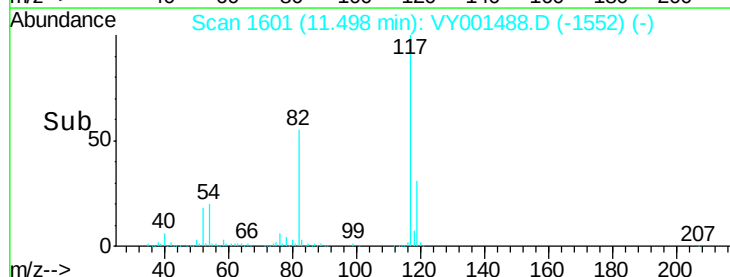
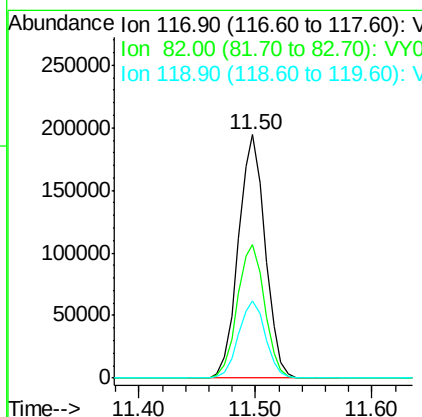
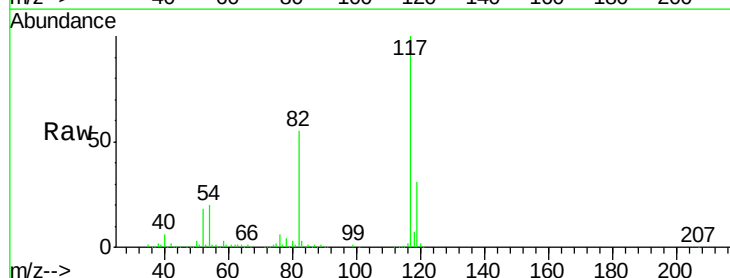
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

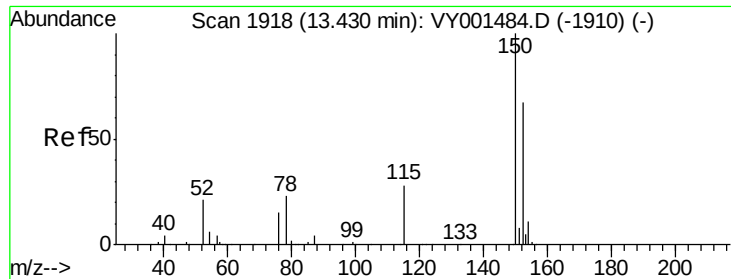
Tgt Ion: 95 Resp: 155148
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 141.4
 176 69.5 0.0 135.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VY001488.D
 Acq: 04 Feb 2020 15:54

Tgt Ion: 117 Resp: 311585
 Ion Ratio Lower Upper
 117 100
 82 54.9 46.1 69.1
 119 31.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

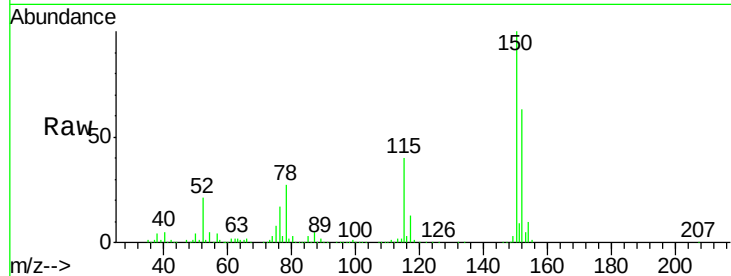
Tgt Ion:152 Resp: 144699

Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.3

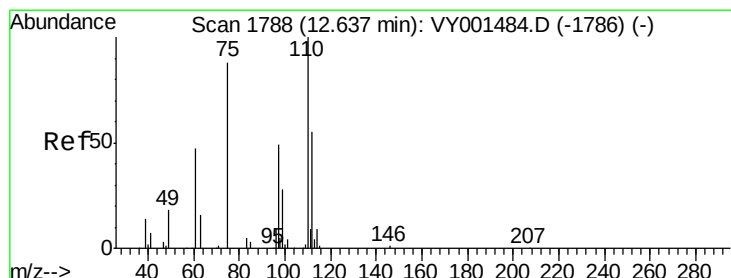
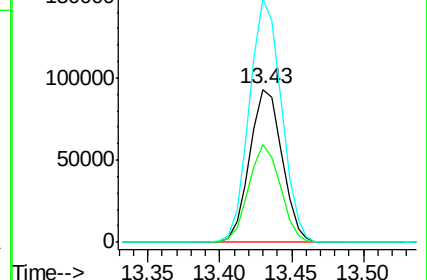
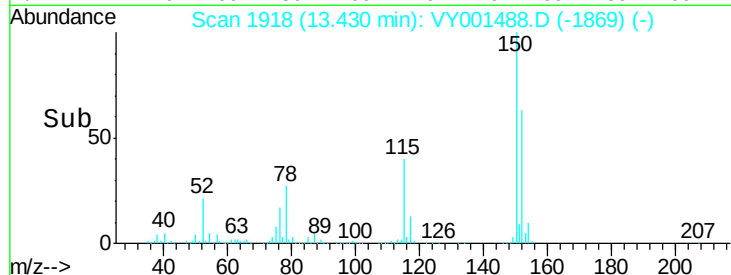
150 157.6 0.0 346.8



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: 48.42 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001488.D

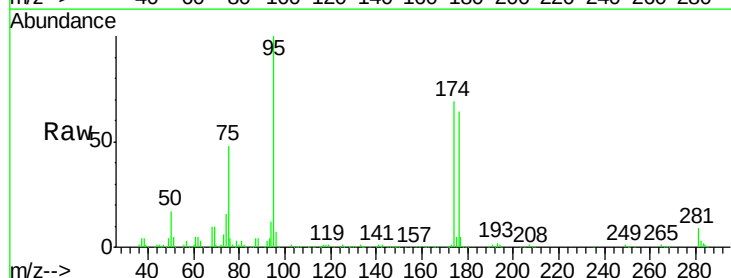
Acq: 04 Feb 2020 15:54

Tgt Ion: 75 Resp: 75353

Ion Ratio Lower Upper

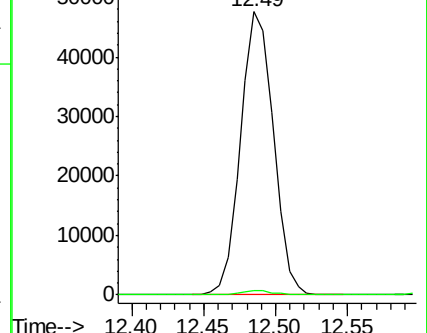
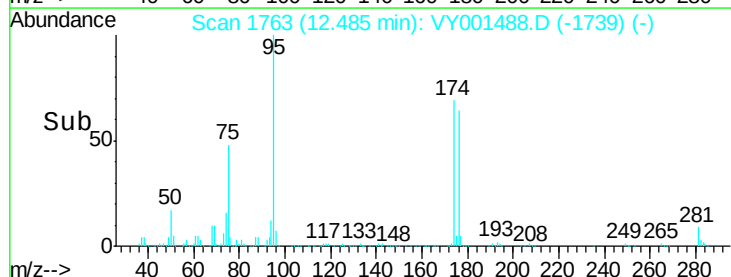
75 100

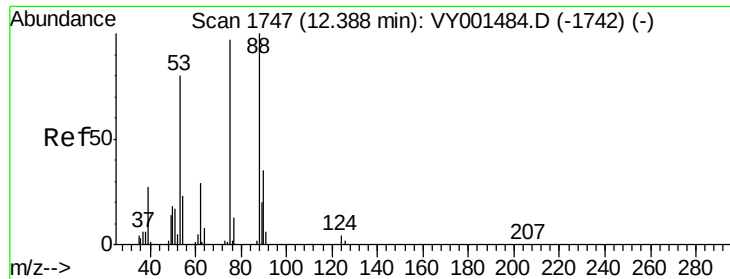
77 1.4 0.0 0.0#



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: 93.70 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

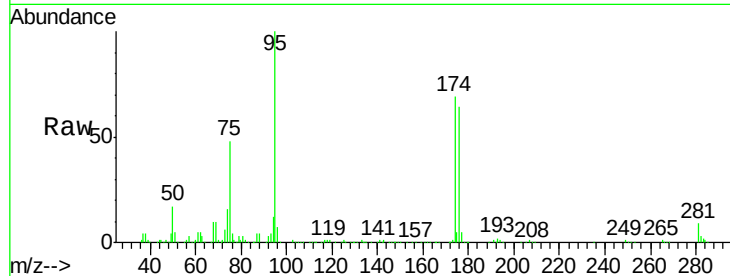
Tgt Ion: 75 Resp: 75353

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

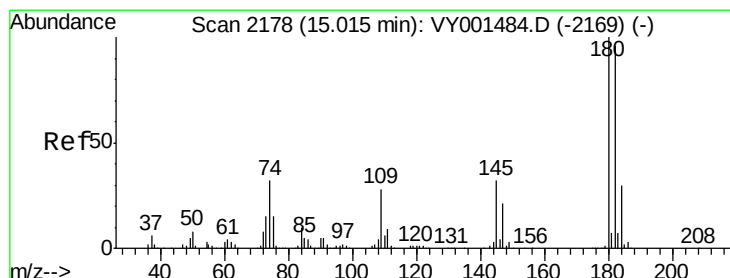
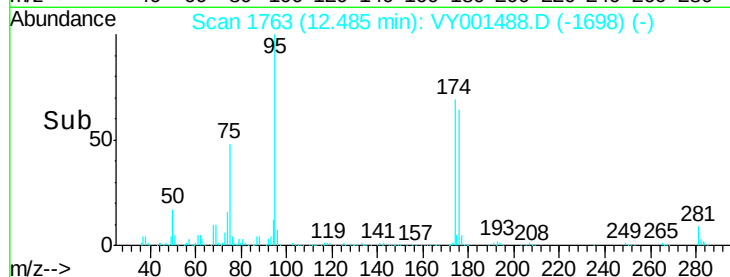
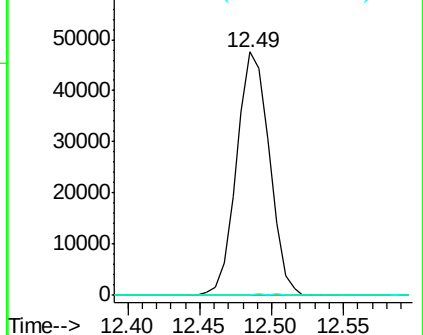
89 0.4 34.6 52.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.03 ug/l

RT: 15.02 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

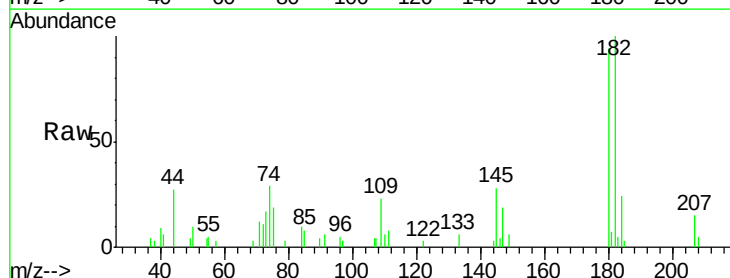
Tgt Ion: 180 Resp: 2885

Ion Ratio Lower Upper

180 100

182 94.8 46.9 140.7

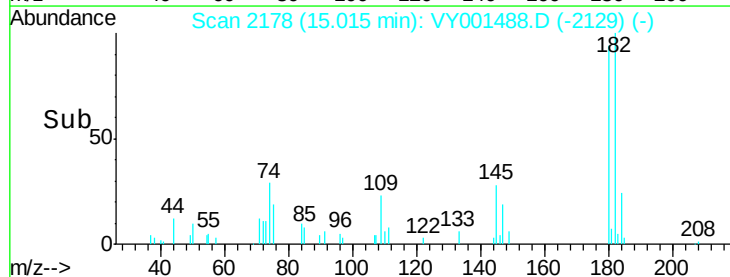
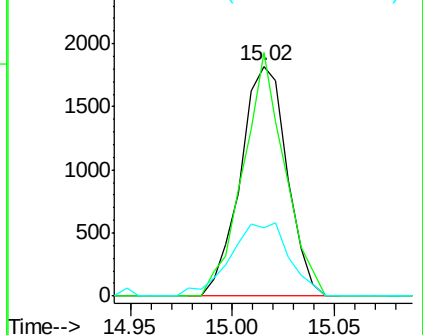
145 40.5 16.8 50.3

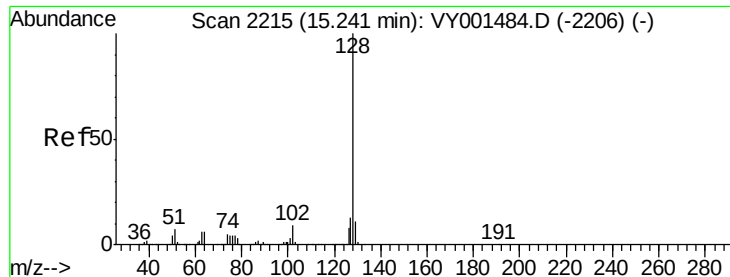


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.87 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

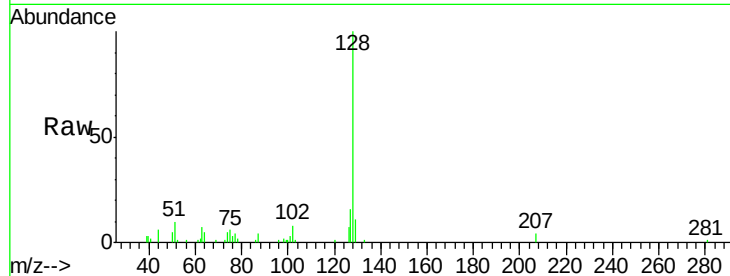
Tgt Ion:128 Resp: 12297

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

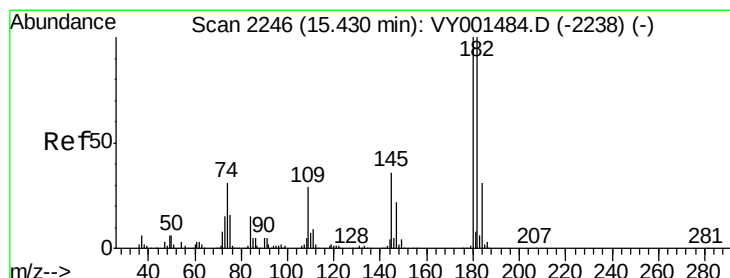
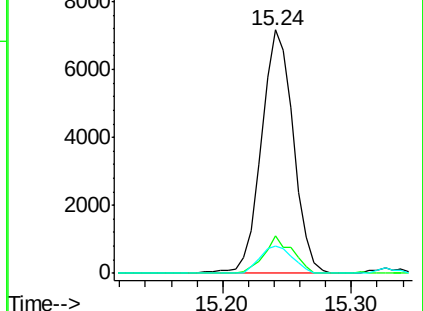
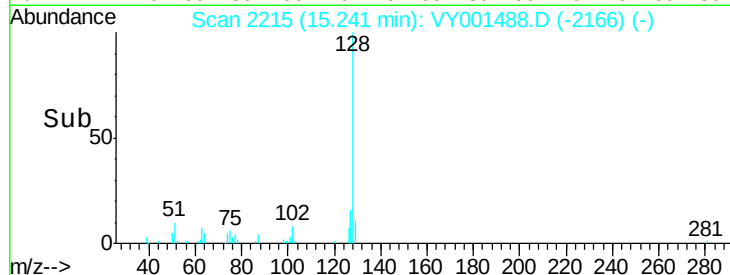
129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.33 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001488.D

Acq: 04 Feb 2020 15:54

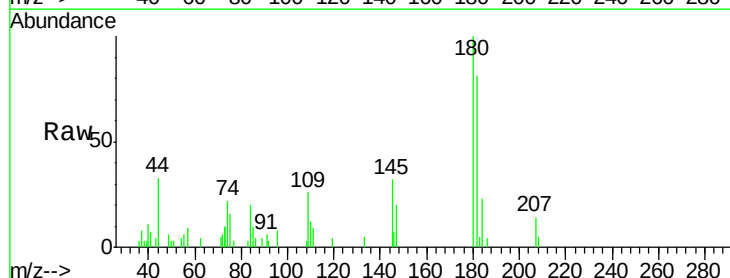
Tgt Ion:180 Resp: 3272

Ion Ratio Lower Upper

180 100

182 85.3 48.0 144.2

145 38.6 17.8 53.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

