

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000303.D
 Acq On : 14 Oct 2019 16:45
 Operator : SY/MD
 Sample : K5325-10
 Misc : 5.60g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:16:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	228686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	437983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	386074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172221	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	148144	61.41	ug/l	0.00
Spiked Amount			Recovery	=	122.82%	
35) Dibromofluoromethane	7.73	113	128327	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.19	98	509107	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.48	95	170803	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	

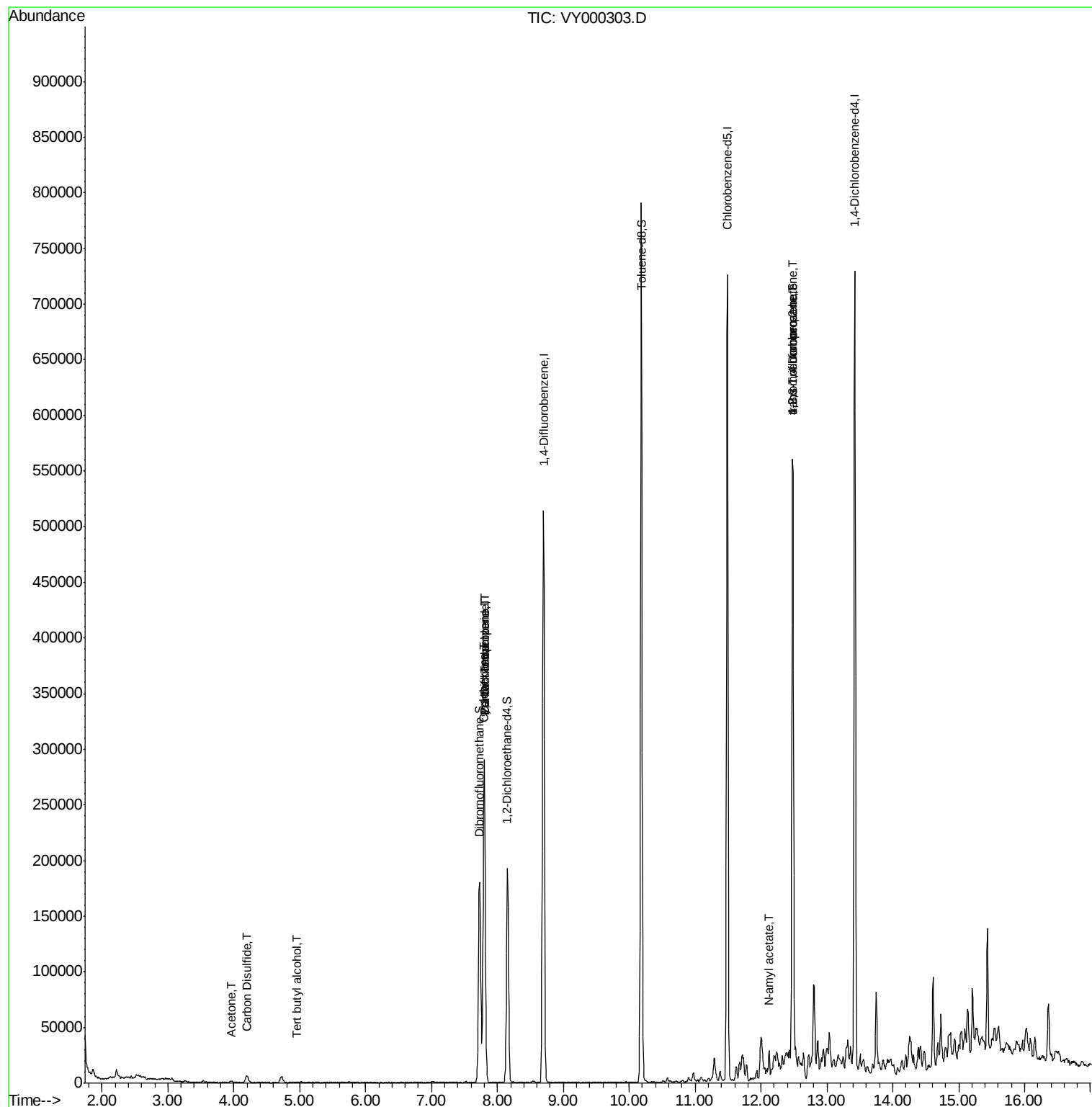
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	229	Below Cal	#	41
11) Tert butyl alcohol	4.96	59	330	1.307	ug/l #	86
16) Acetone	3.96	43	2317	2.966	ug/l #	66
17) Carbon Disulfide	4.19	76	12226	1.681	ug/l	99
20) Methylene Chloride	4.73	84	4165	Below Cal	#	85
31) Cyclohexane	7.79	56	5195	1.126	ug/l #	55
36) 1,1-Dichloropropene	7.80	75	18377	4.286	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23307	5.614	ug/l #	17
74) N-amyl acetate	12.12	43	5949	1.805	ug/l #	67
76) 1,2,3-Trichloropropane	12.48	75	91528	43.220	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91528	94.563	ug/l #	14

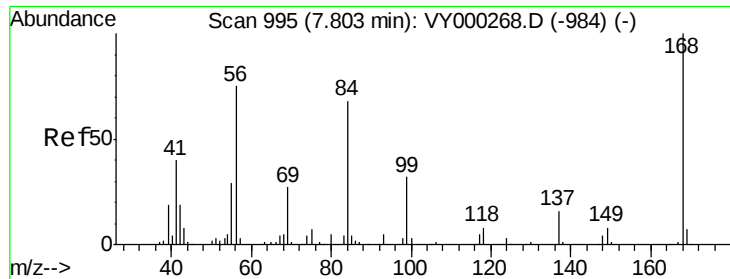
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Instrument :

MSVOA_Y

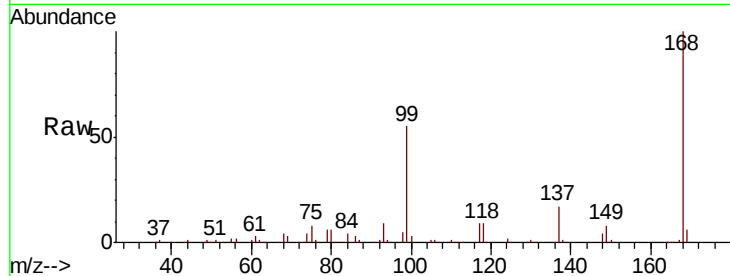
ClientSampleId :

Tot Ion:168 Resp: 228686

Ion Ratio Lower Upper

168 100

99 55.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

100000

80000

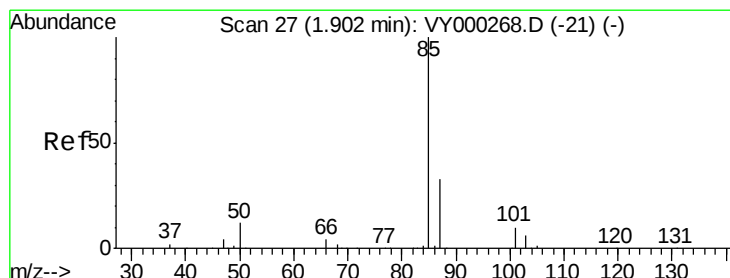
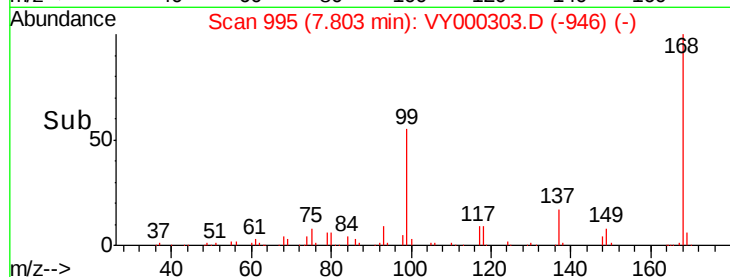
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000303.D

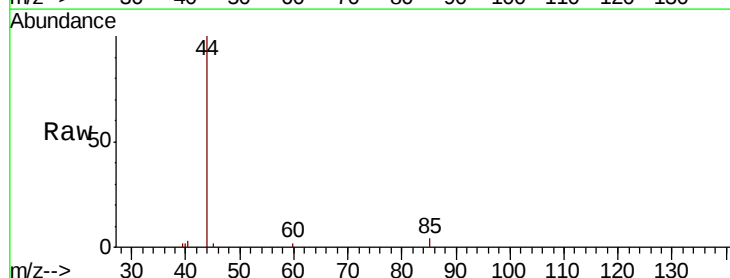
Acq: 14 Oct 2019 16:45

Tgt Ion: 85 Resp: 229

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.91

250

200

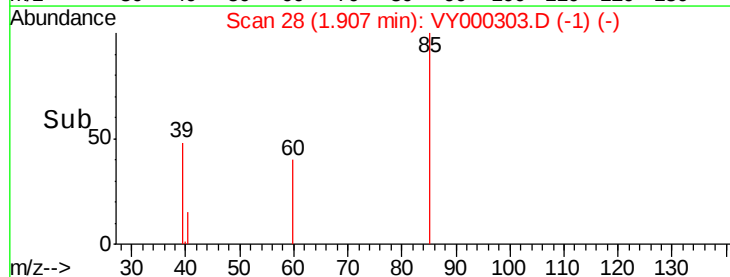
150

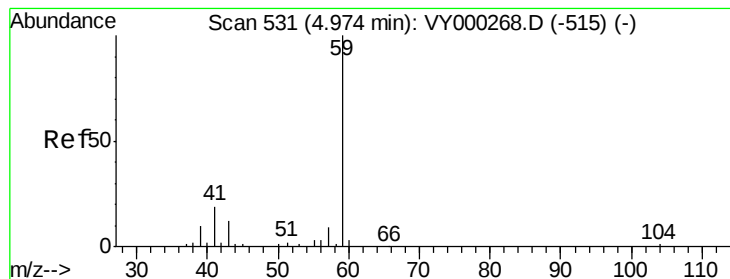
100

50

0

Time-->



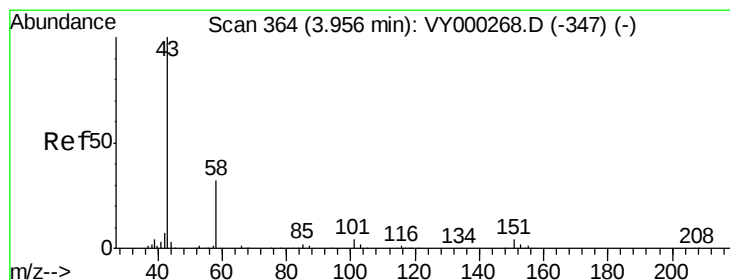
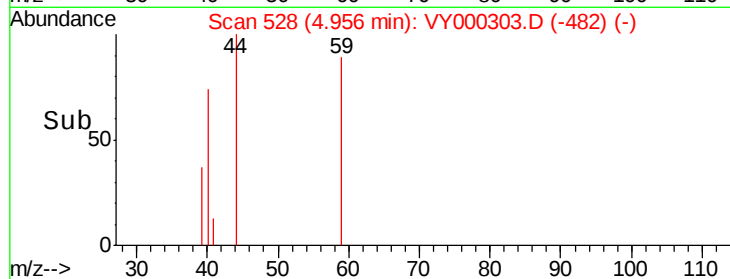
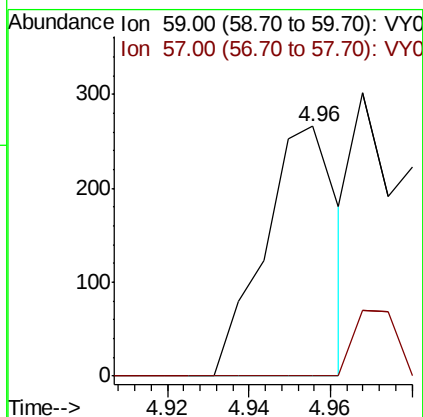
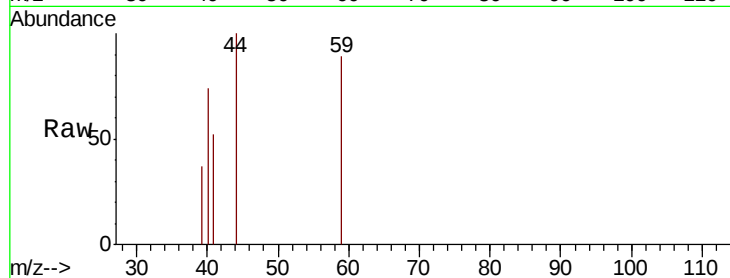


#11

Tert butvl alcohol
 Concen: 1.307 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY000303.D
 Acq: 14 Oct 2019 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :

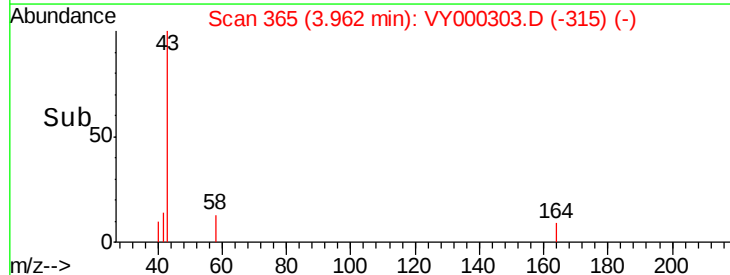
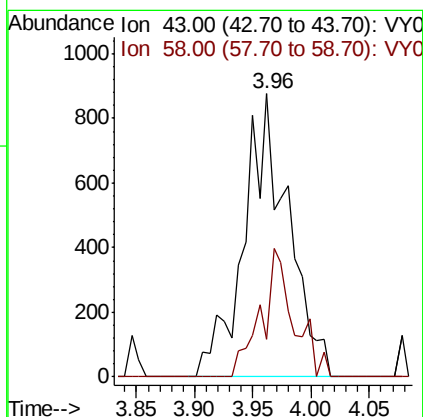
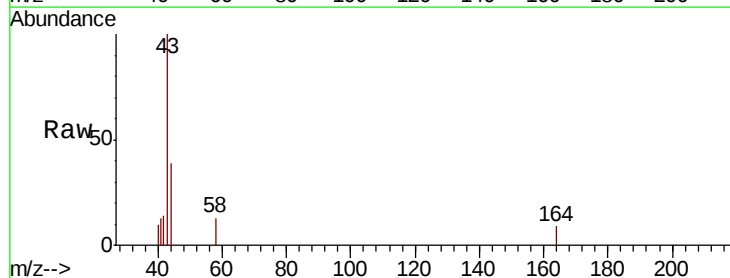
Tot Ion: 59 Resp: 330
 Ion Ratio Lower Upper
 59 100
 57 15.5 8.2 12.2#

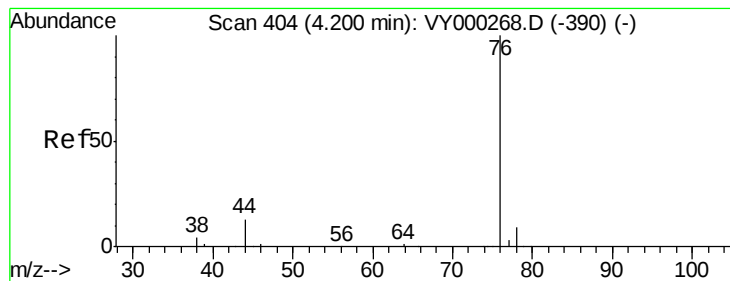


#16

Acetone
 Concen: 2.966 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000303.D
 Acq: 14 Oct 2019 16:45

Tgt Ion: 43 Resp: 2317
 Ion Ratio Lower Upper
 43 100
 58 13.4 25.8 38.6#





#17

Carbon Disulfide

Concen: 1.681 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Instrument :

MSVOA_Y

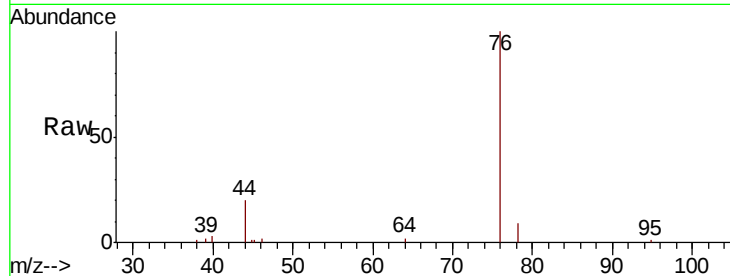
ClientSampleId :

Tot Ion: 76 Resp: 12226

Ion Ratio Lower Upper

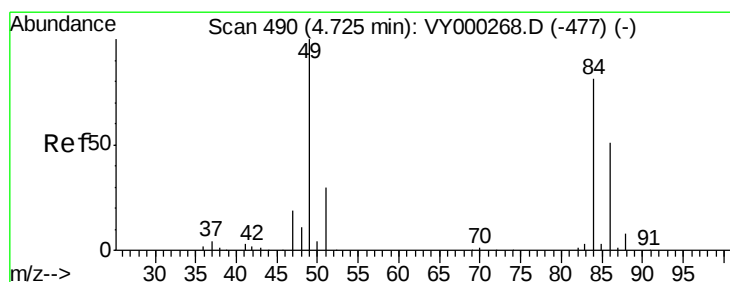
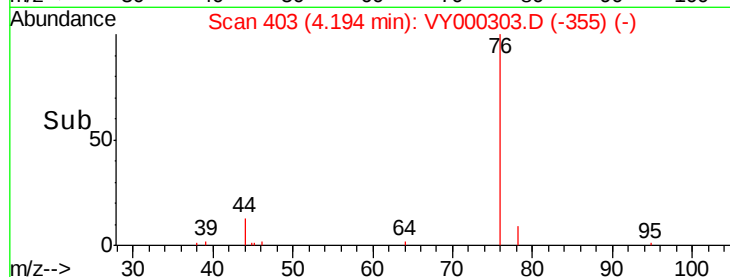
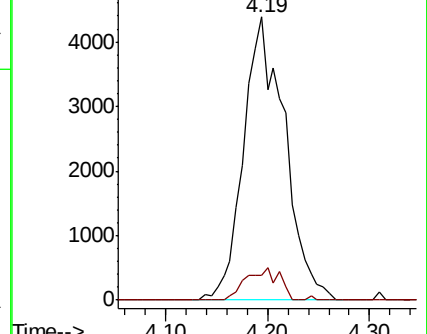
76 100

78 8.9 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Tgt Ion: 84 Resp: 4165

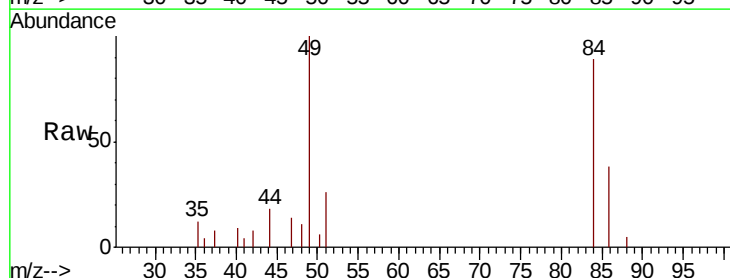
Ion Ratio Lower Upper

84 100

49 111.8 99.0 148.4

51 29.0 29.3 43.9#

86 42.5 50.2 75.4#

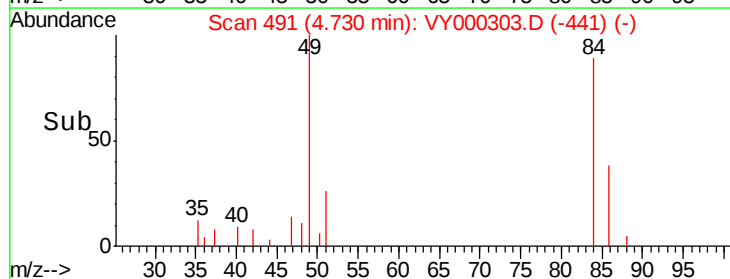
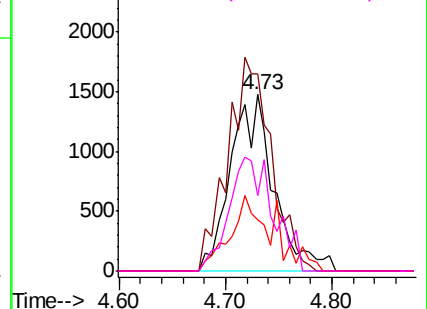


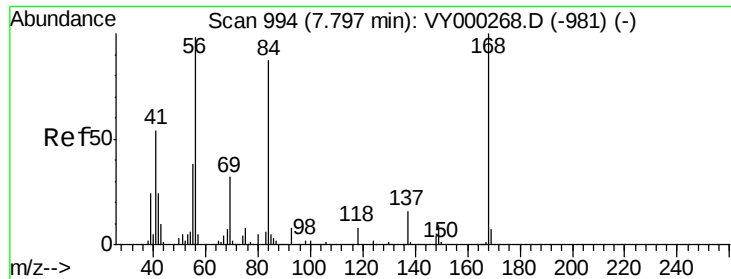
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Instrument :

MSVOA_Y

ClientSampled :

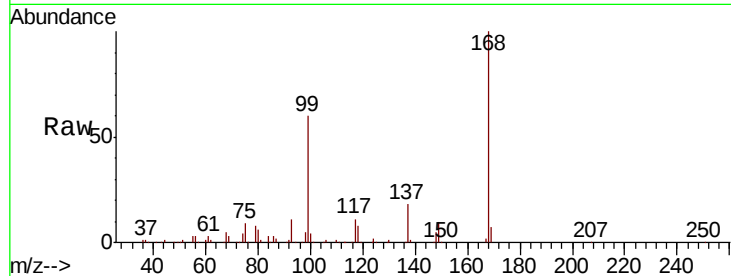
Tot Ion: 56 Resp: 5195

Ion Ratio Lower Upper

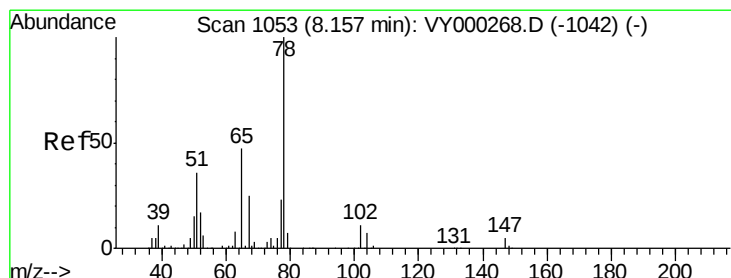
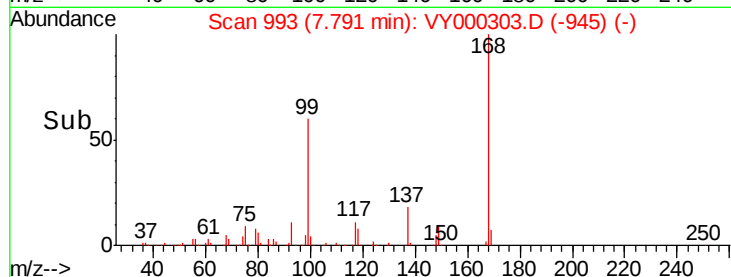
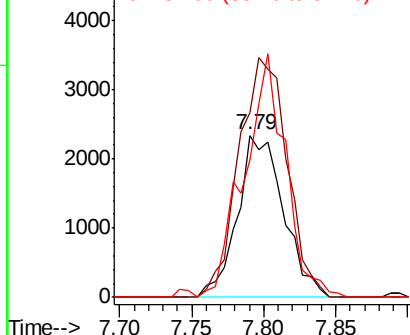
56 100

69 114.1 26.3 39.5#

84 96.4 70.8 106.2



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: 61.412 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000303.D

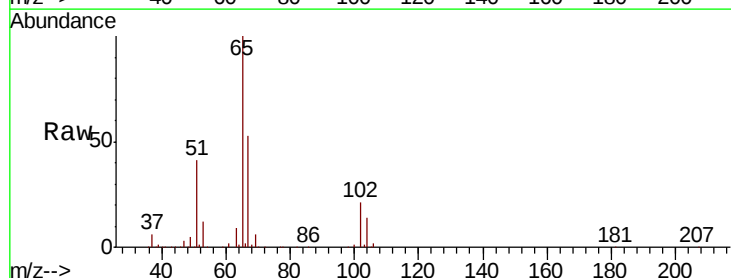
Acq: 14 Oct 2019 16:45

Tgt Ion: 65 Resp: 148144

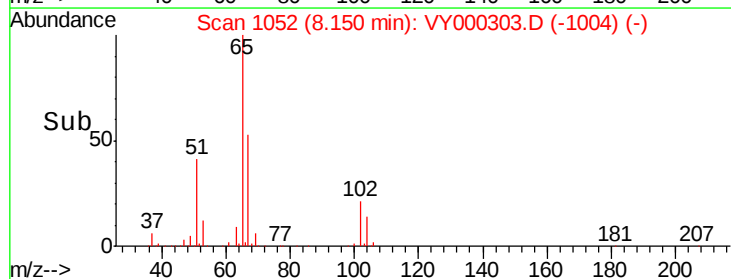
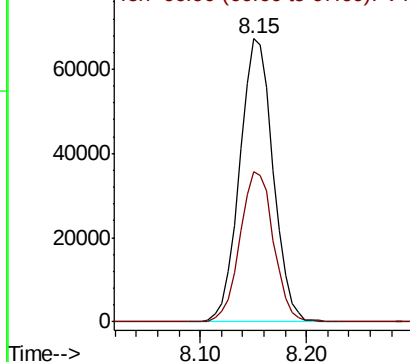
Ion Ratio Lower Upper

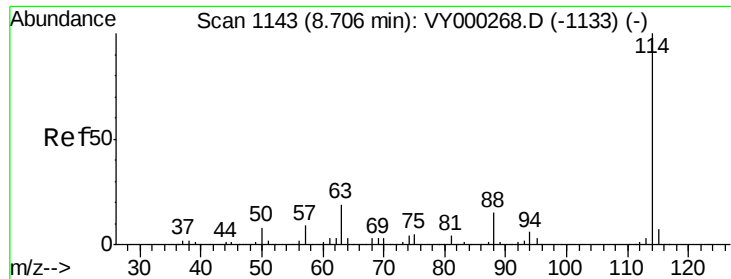
65 100

67 53.1 0.0 109.4



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

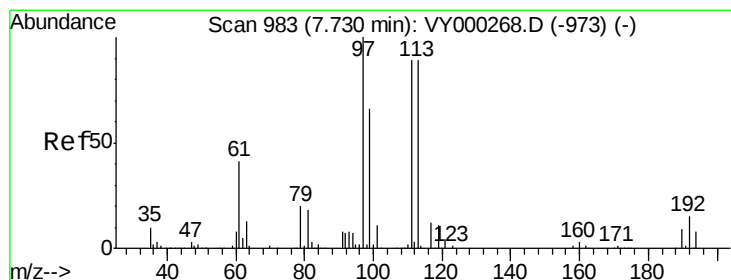
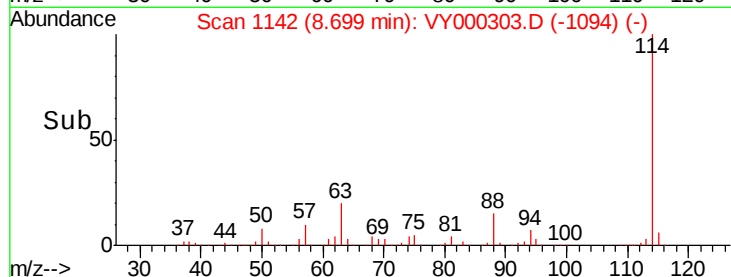
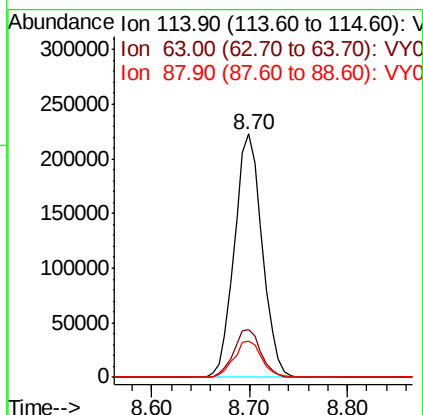
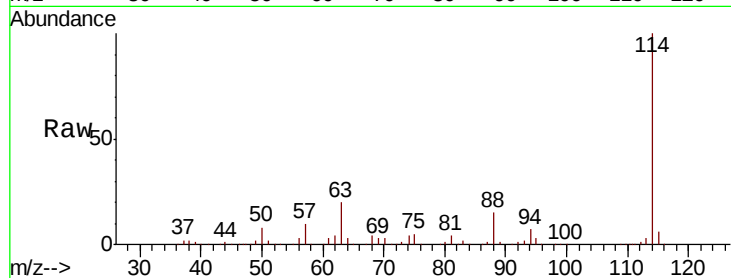




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000303.D
 Acq: 14 Oct 2019 16:45

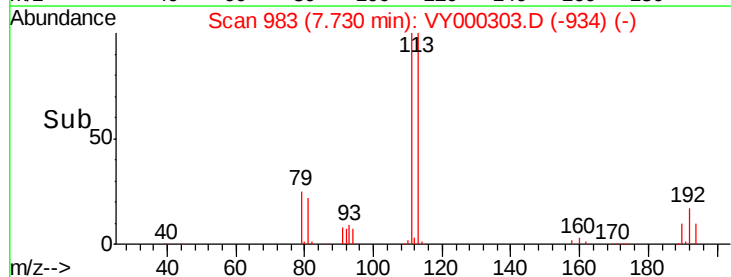
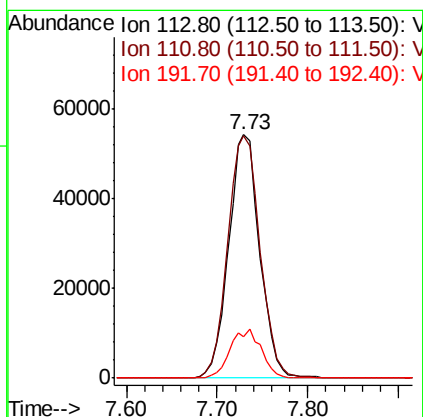
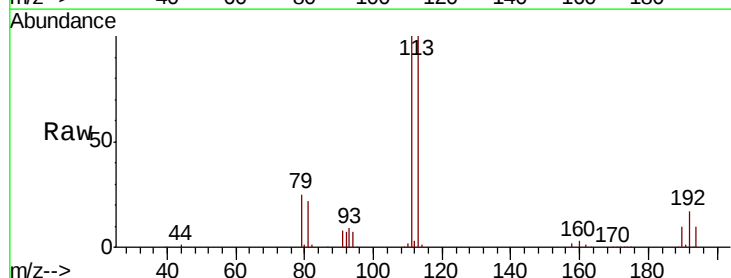
Instrument :
 MSVOA_Y
 ClientSampleId :

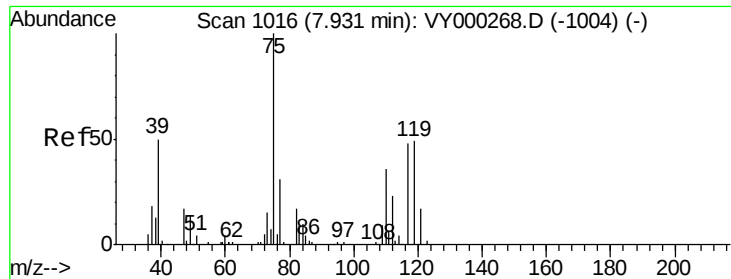
Tot Ion:114 Resp: 437983
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.2
 88 15.1 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 48.573 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000303.D
 Acq: 14 Oct 2019 16:45

Tgt Ion:113 Resp: 128327
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.6 122.4
 192 20.3 15.3 22.9

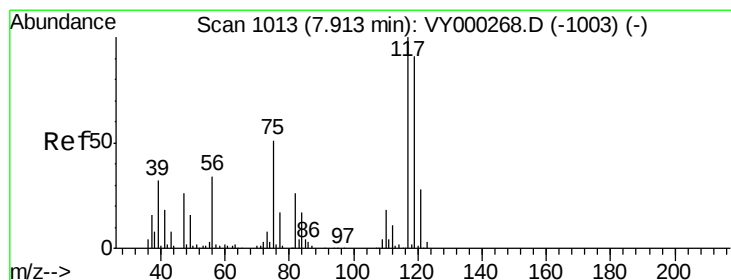
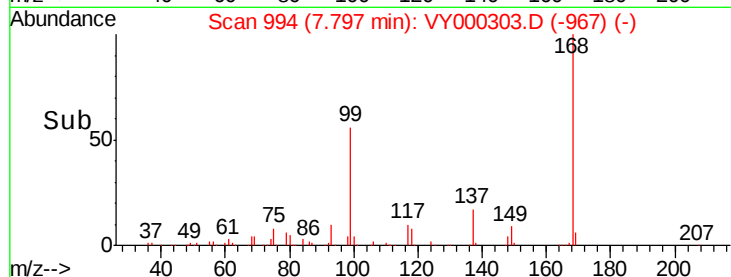
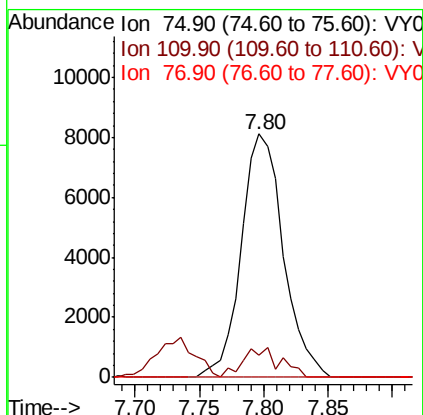
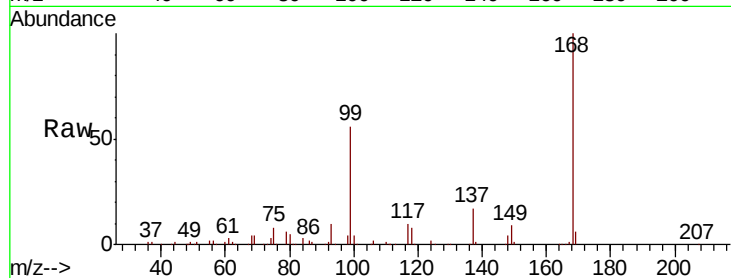




#36
 1,1-Dichloropropene
 Concen: 4.286 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000303.D
 Acq: 14 Oct 2019 16:45

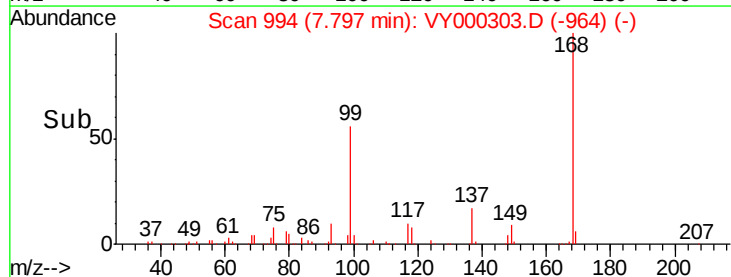
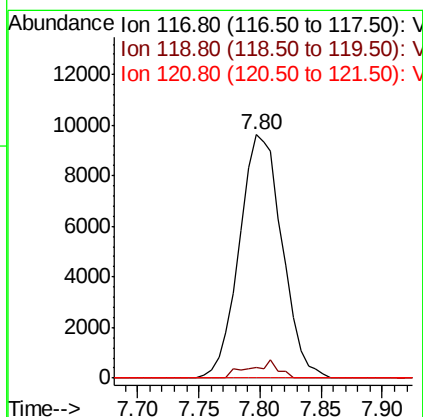
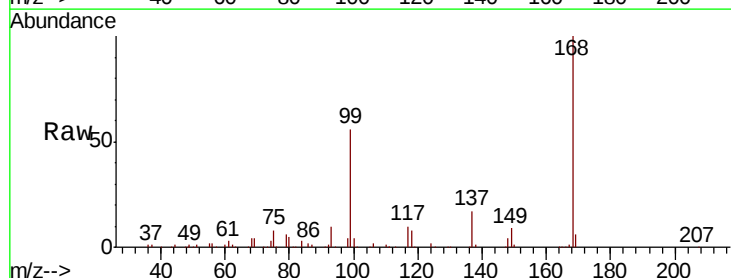
Instrument :
 MSVOA_Y
 ClientSampled :

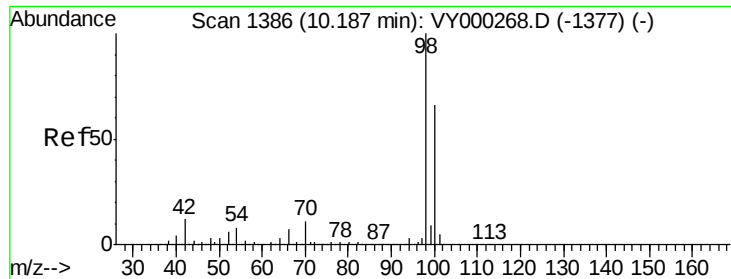
Tot Ion: 75 Resp: 18377
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.614 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000303.D
 Acq: 14 Oct 2019 16:45

Tgt Ion: 117 Resp: 23307
 Ion Ratio Lower Upper
 117 100
 119 4.1 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 50.095 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Instrument :

MSVOA_Y

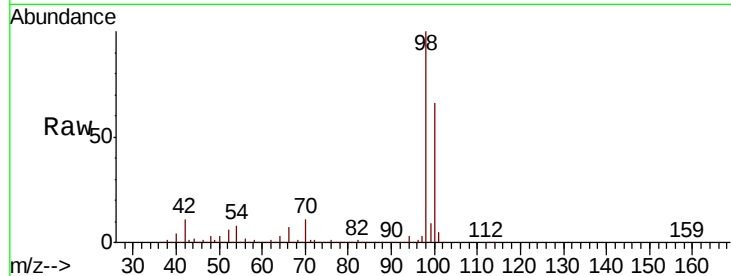
ClientSampleId :

Tot Ion: 98 Resp: 509107

Ion Ratio Lower Upper

98 100

100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

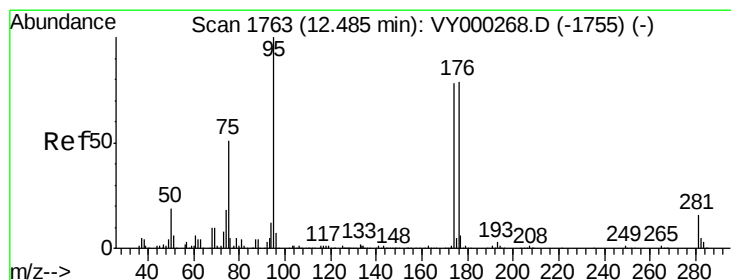
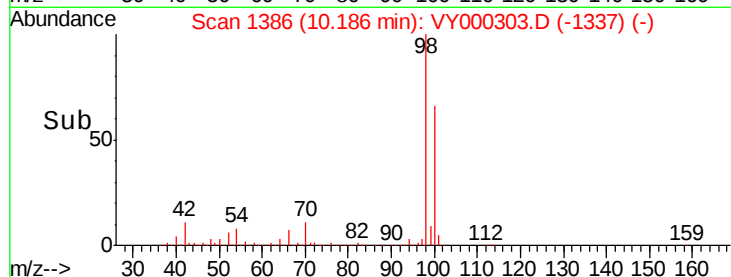
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.238 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

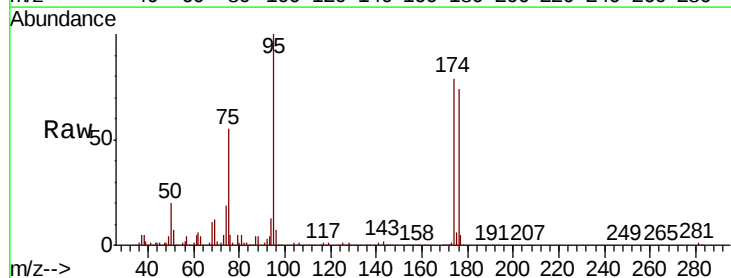
Tgt Ion: 95 Resp: 170803

Ion Ratio Lower Upper

95 100

174 82.0 0.0 159.6

176 79.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

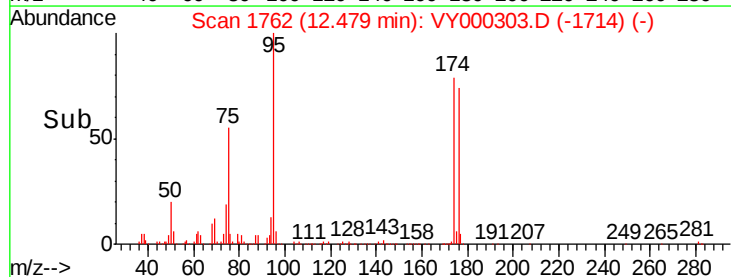
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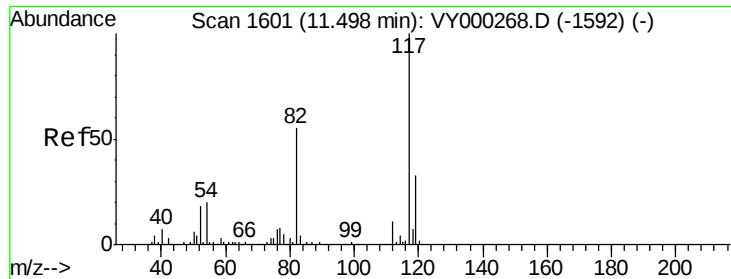
100000

50000

0

Time-->

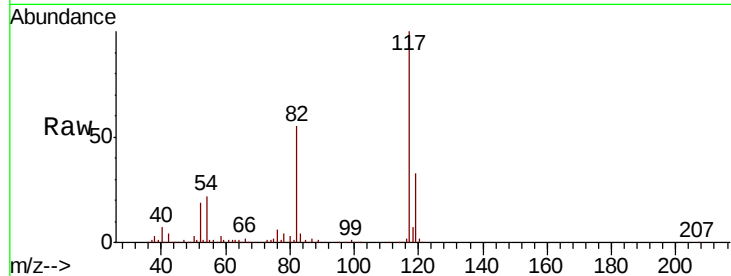




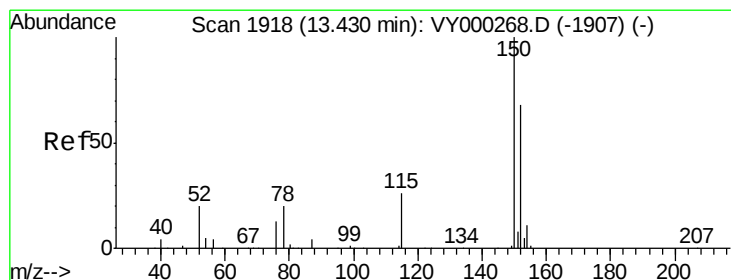
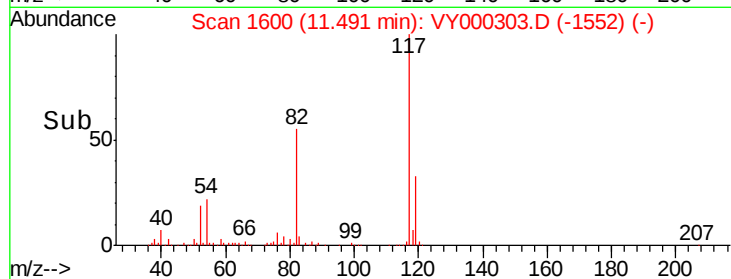
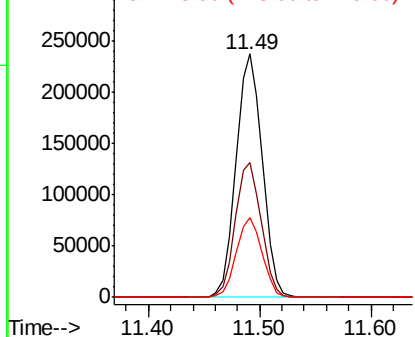
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000303.D
Acq: 14 Oct 2019 16:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 386074
Ion Ratio Lower Upper
117 100
82 55.3 43.7 65.5
119 32.8 26.6 39.8

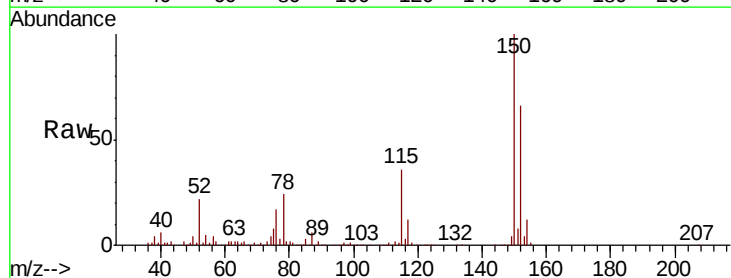


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

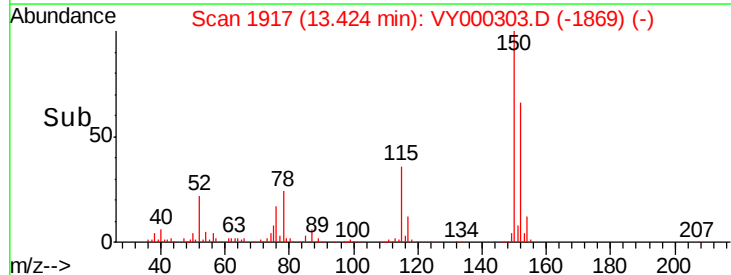
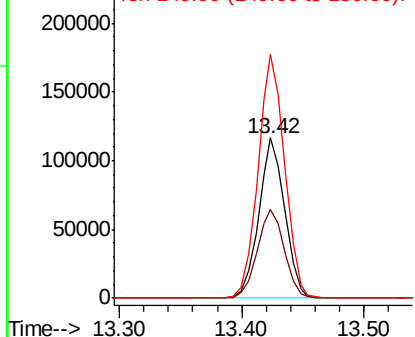


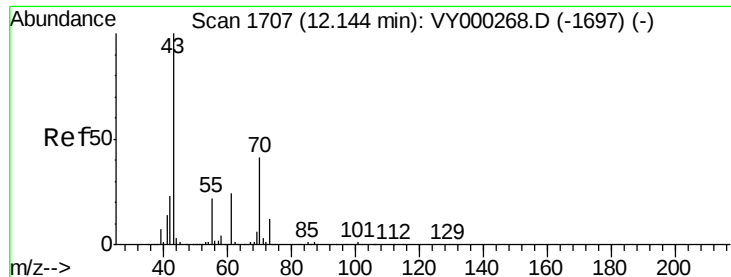
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000303.D
Acq: 14 Oct 2019 16:45

Tgt Ion:152 Resp: 172221
Ion Ratio Lower Upper
152 100
115 57.5 29.3 88.0
150 155.2 0.0 348.4



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





#74

N-amvl acetate

Concen: 1.805 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 5949

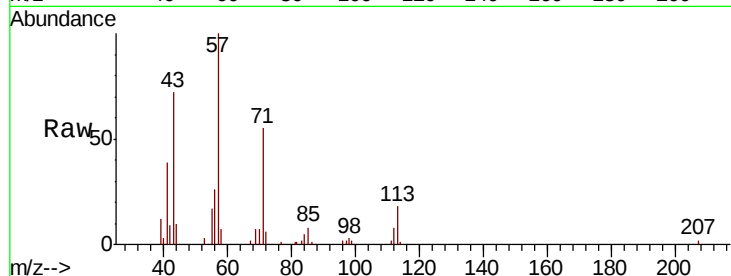
Ion Ratio Lower Upper

43 100

70 18.1 32.9 49.3#

55 17.5 17.8 26.6#

61 0.0 19.5 29.3#

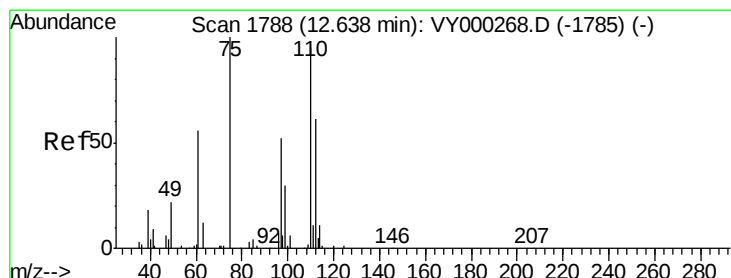
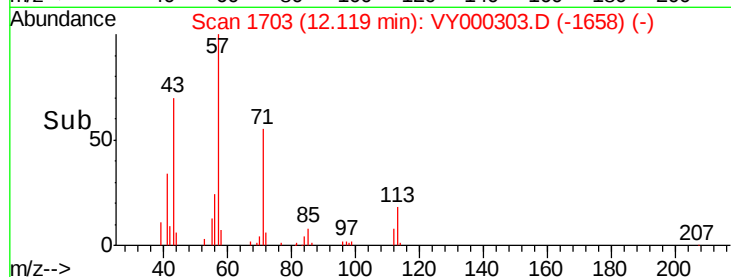
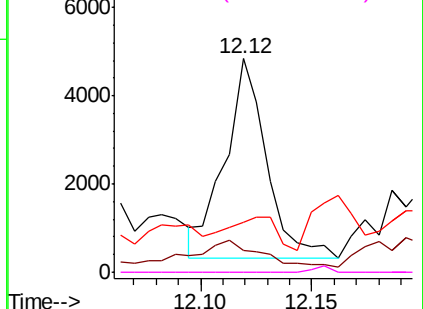


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 43.220 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000303.D

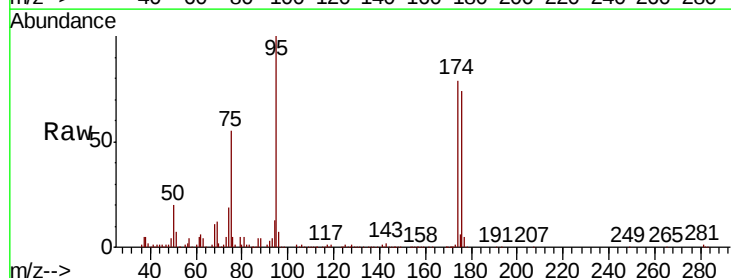
Acq: 14 Oct 2019 16:45

Tgt Ion: 75 Resp: 91528

Ion Ratio Lower Upper

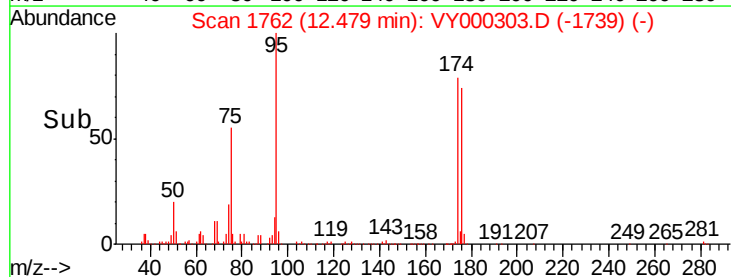
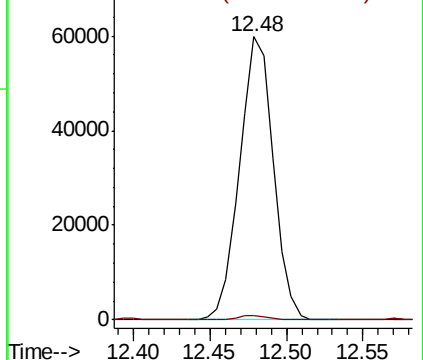
75 100

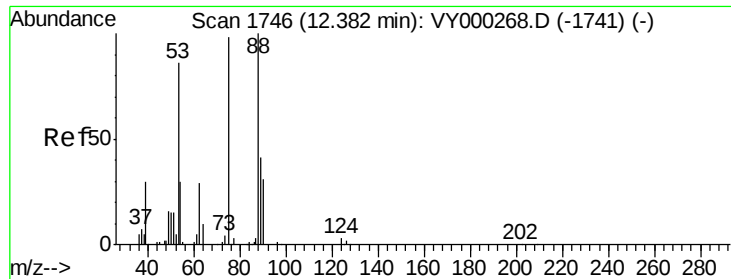
77 1.5 0.0 0.0#



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: 94.563 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000303.D

Acq: 14 Oct 2019 16:45

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 91528

Ion Ratio Lower Upper

75 100

53 0.4 71.3 106.9#

89 0.1 35.1 52.7#

