

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122419\
 Data File : VY001037.D
 Acq On : 24 Dec 2019 10:57
 Operator : SY/MD
 Sample : VY1224SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1224SBL01

Quant Time: Dec 25 01:24:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	255241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	478574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	426877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	185204	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	142112	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
35) Dibromofluoromethane	7.72	113	138908	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	10.18	98	558091	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.48	95	183546	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

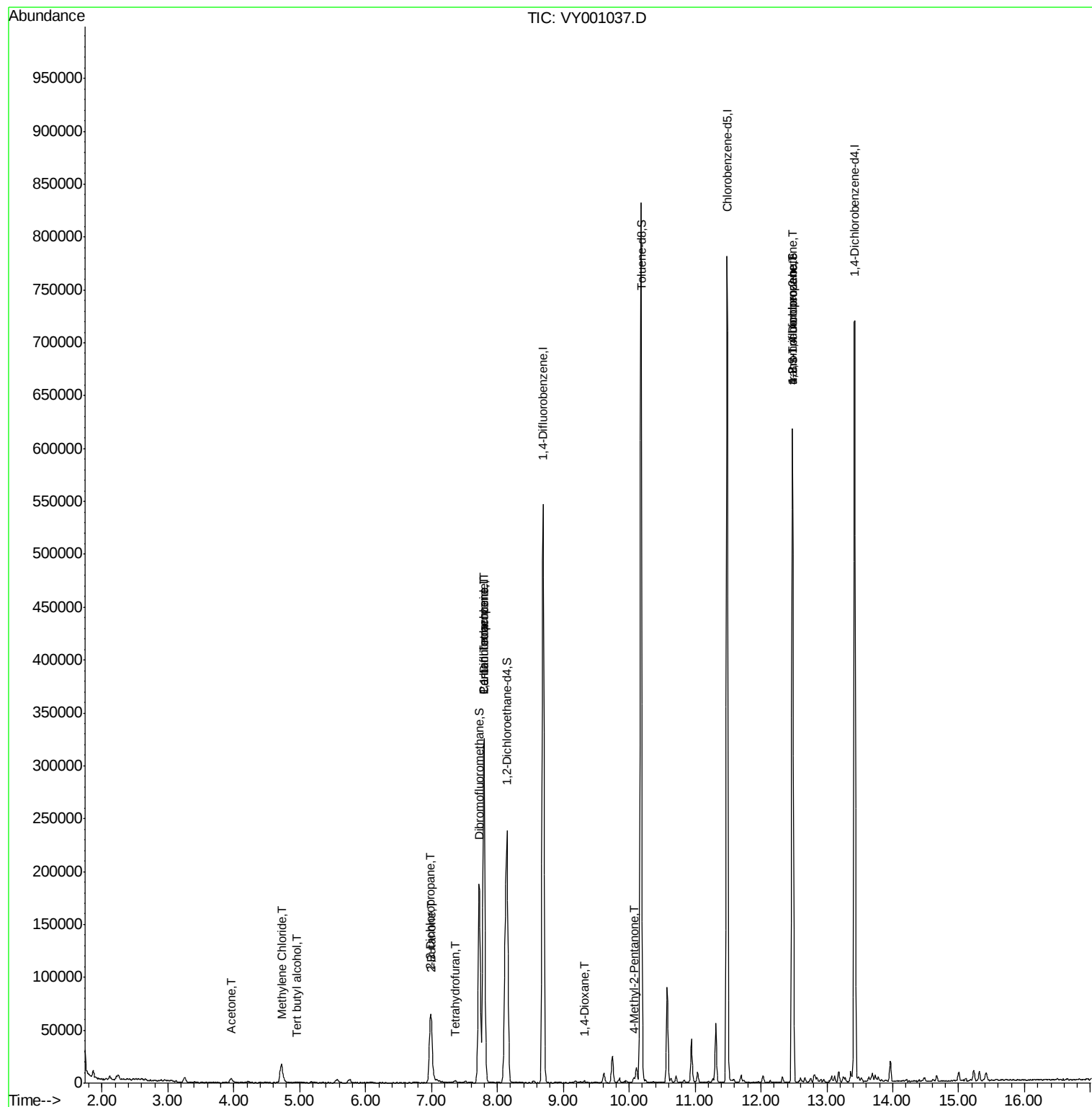
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	395	1.427	ug/l #	74
16) Acetone	3.96	43	7627	13.151	ug/l #	76
20) Methylene Chloride	4.72	84	13205	3.868	ug/l #	80
25) 2-Butanone	7.00	43	5552	5.450	ug/l #	78
26) 2,2-Dichloropropane	6.99	77	5277	1.207	ug/l #	51
29) Tetrahydrofuran	7.37	42	1180	1.628	ug/l #	60
36) 1,1-Dichloropropene	7.79	75	20871	4.571	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24447	6.112	ug/l #	18
49) 1,4-Dioxane	9.32	88	49	1.881	ug/l #	24
51) 4-Methyl-2-Pentanone	10.07	43	3402	1.395	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	91984	40.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91984	85.924	ug/l #	19

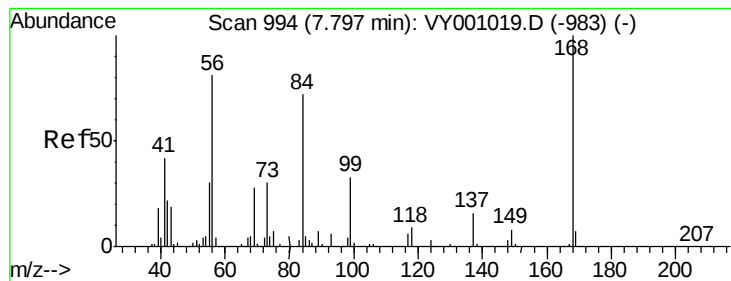
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

Instrument :

MSVOA_Y

ClientSampleId :

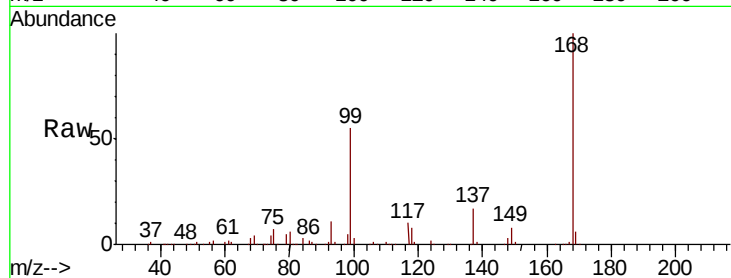
VY1224SBL01

Tgt Ion:168 Resp: 255241

Ion Ratio Lower Upper

168 100

99 55.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

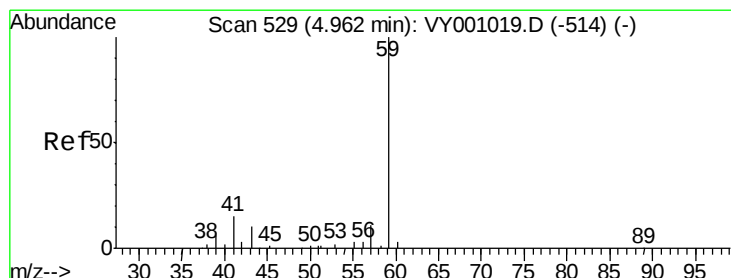
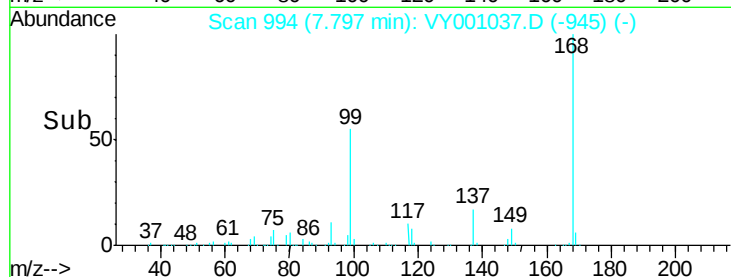
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.427 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY001037.D

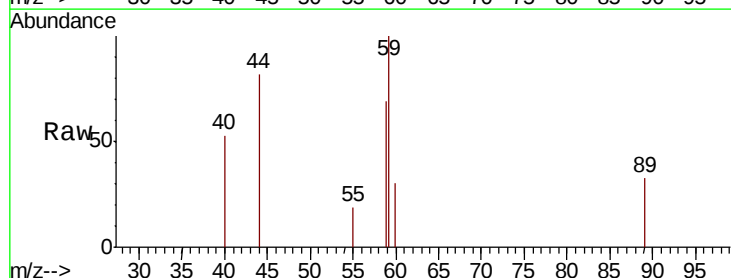
Acq: 24 Dec 2019 10:57

Tgt Ion: 59 Resp: 395

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)

4.96

600

500

400

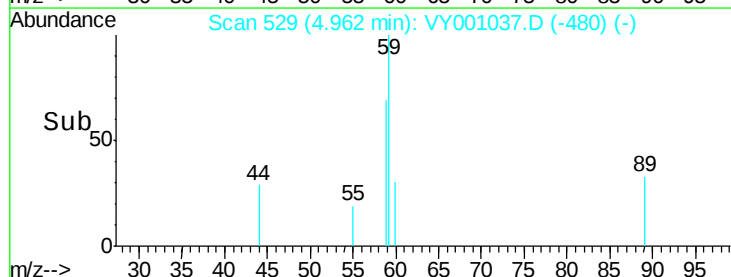
300

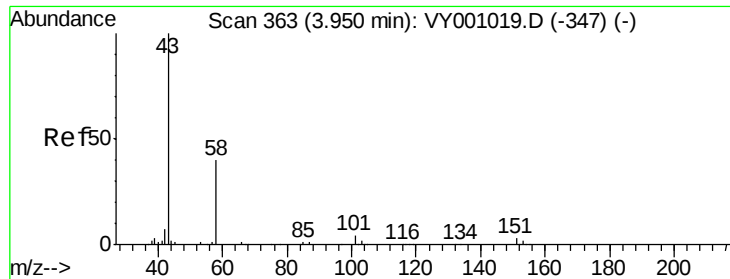
200

100

0

Time-->





#16

Acetone

Concen: 13.151 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

Instrument :

MSVOA_Y

ClientSampleId :

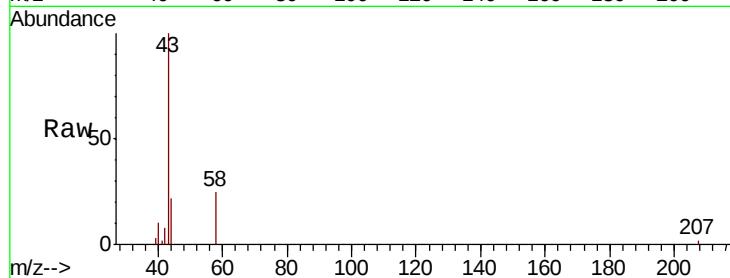
VY1224SBL01

Tgt Ion: 43 Resp: 7627

Ion Ratio Lower Upper

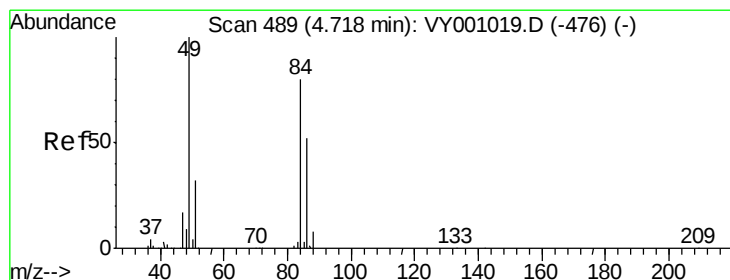
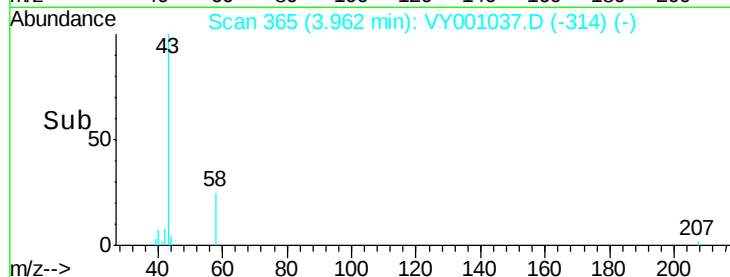
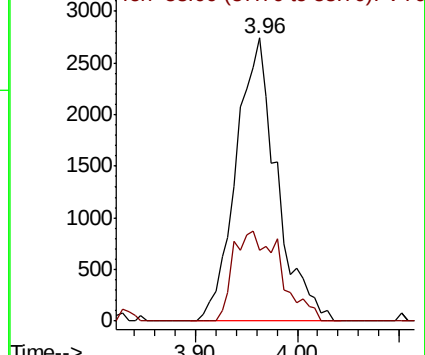
43 100

58 25.1 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.868 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

Tgt Ion: 84 Resp: 13205

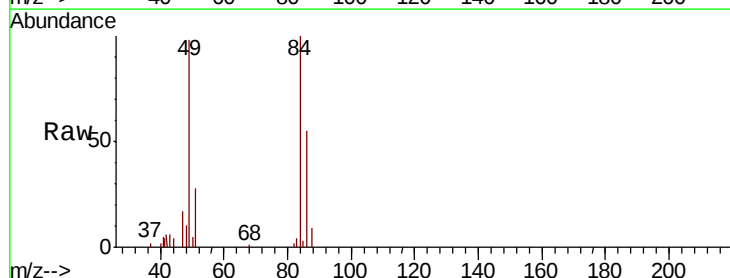
Ion Ratio Lower Upper

84 100

49 98.0 99.8 149.6#

51 27.7 31.4 47.2#

86 55.3 52.2 78.2

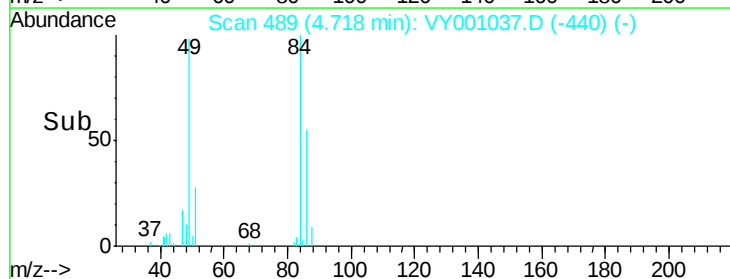
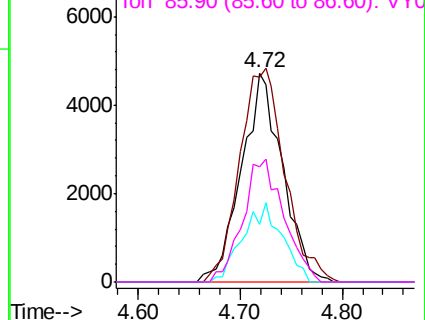


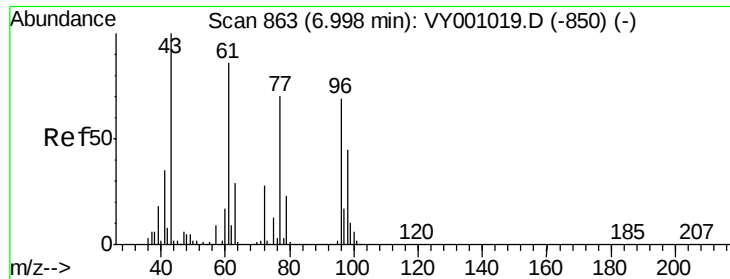
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

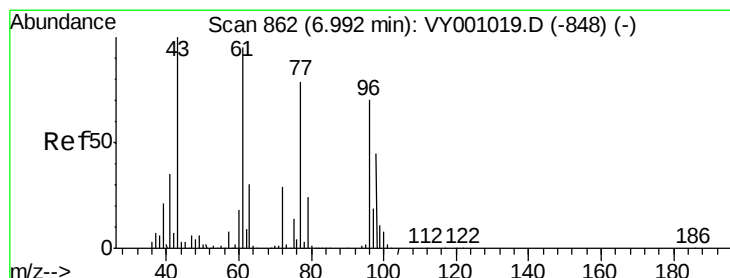
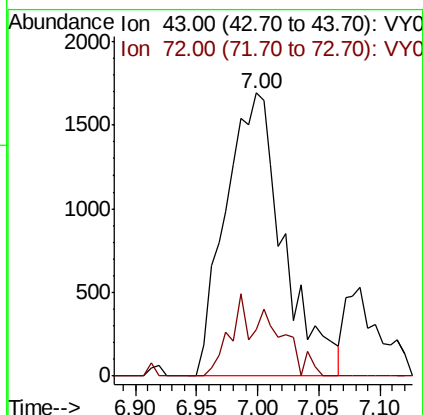
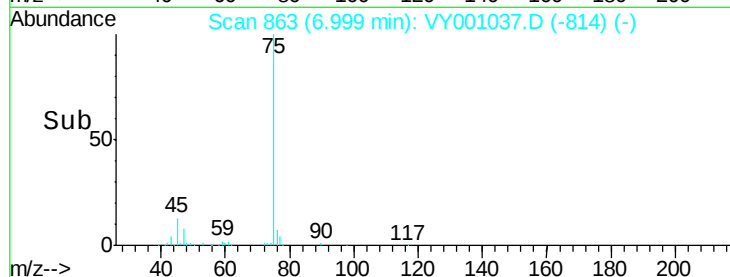
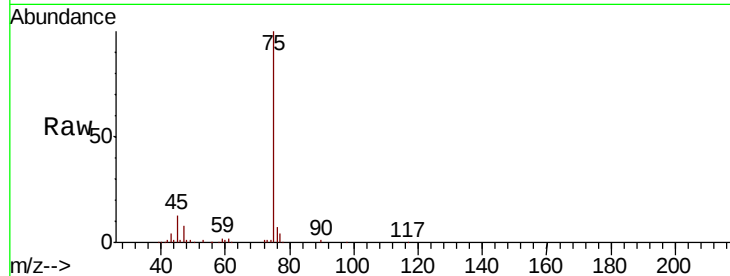




#25
2-Butanone
Concen: 5.450 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001037.D
Acq: 24 Dec 2019 10:57

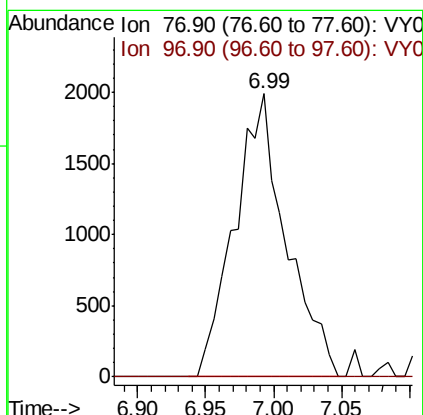
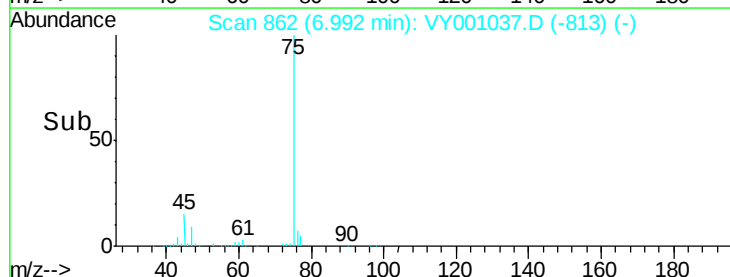
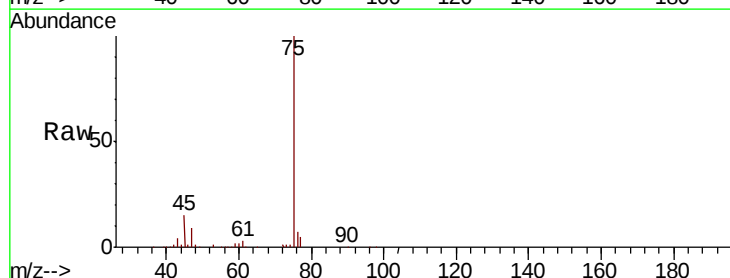
Instrument :
MSVOA_Y
ClientSampleId :
VY1224SBL01

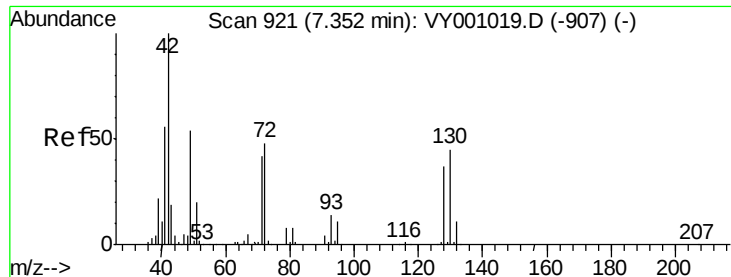
Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
72 16.5 22.4 33.6#



#26
2,2-Dichloropropane
Concen: 1.207 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001037.D
Acq: 24 Dec 2019 10:57

Tgt Ion: 77 Resp: 5277
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#





#29

Tetrahydrofuran

Concen: 1.628 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.02 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VY1224SBL01

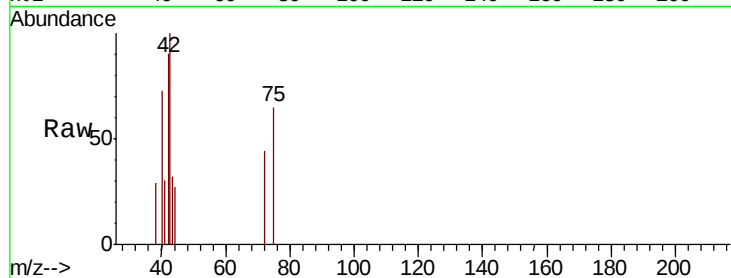
Tgt Ion: 42 Resp: 1180

Ion Ratio Lower Upper

42 100

72 30.8 37.7 56.5#

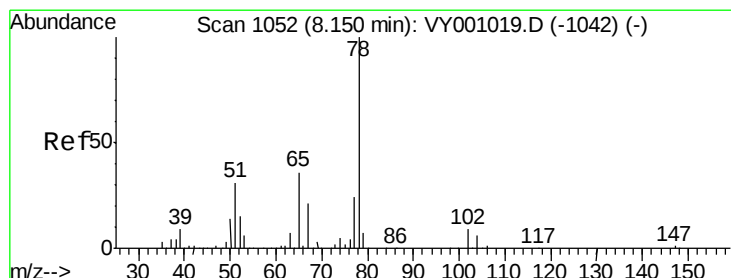
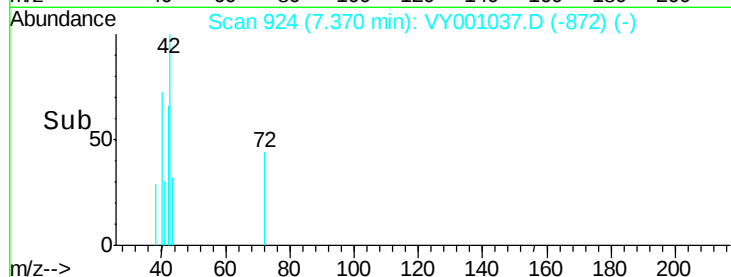
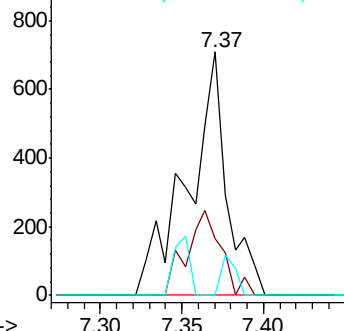
71 6.1 34.6 51.8#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 56.452 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001037.D

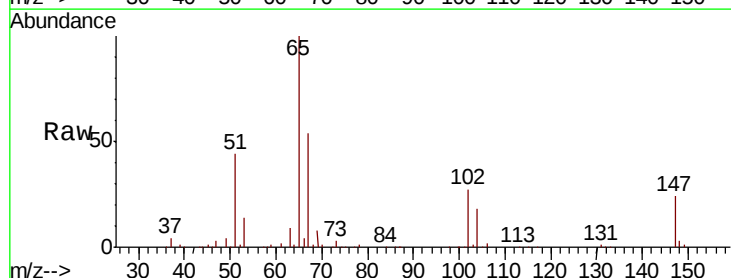
Acq: 24 Dec 2019 10:57

Tgt Ion: 65 Resp: 142112

Ion Ratio Lower Upper

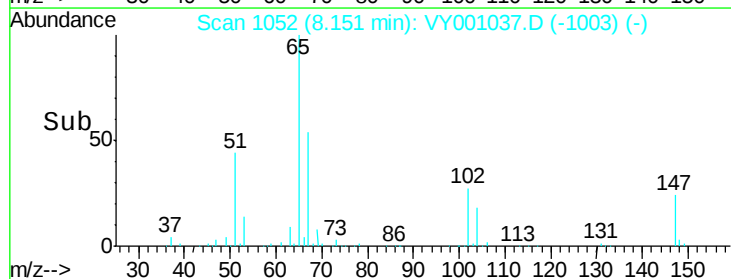
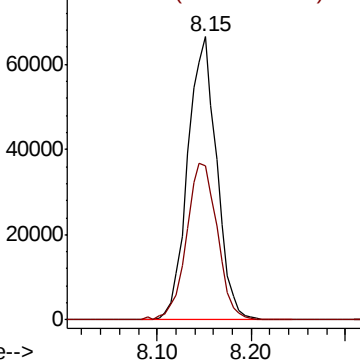
65 100

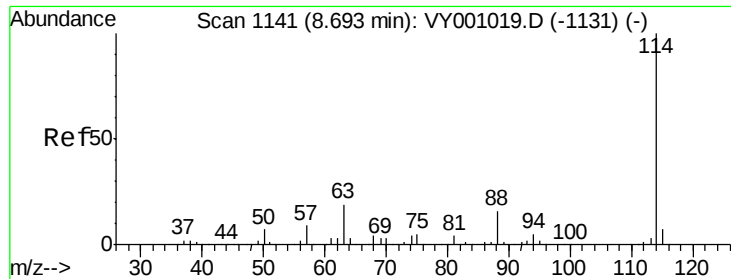
67 59.0 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

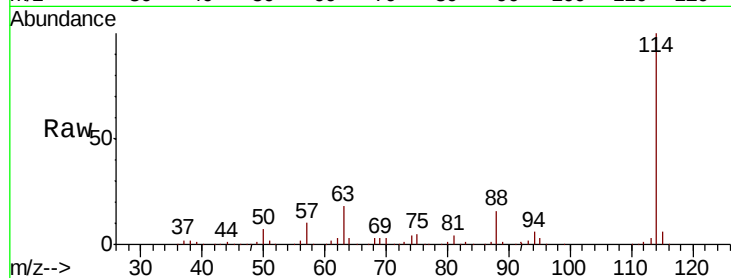




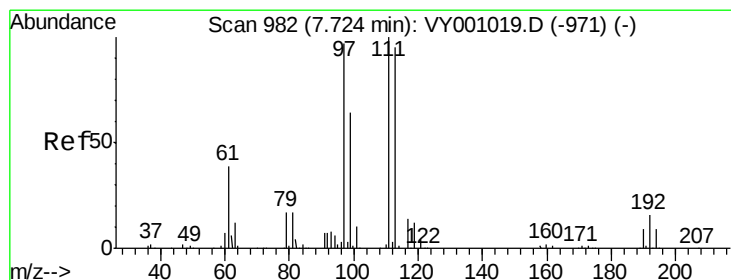
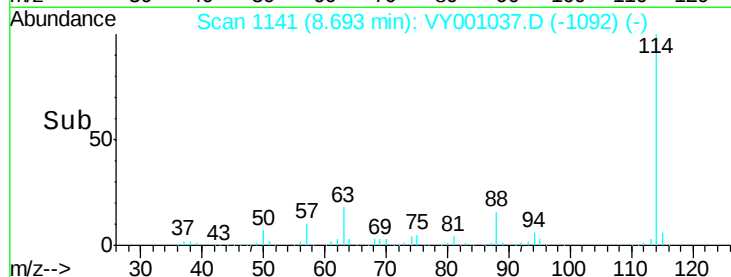
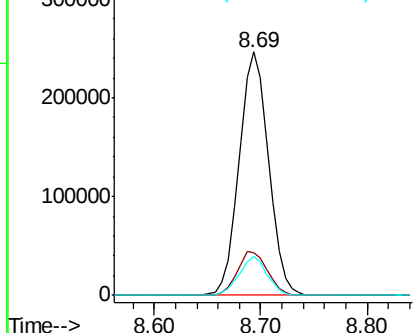
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001037.D
 Acq: 24 Dec 2019 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1224SBL01

Tgt Ion:114 Resp: 478574
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.0
 88 15.8 0.0 32.0

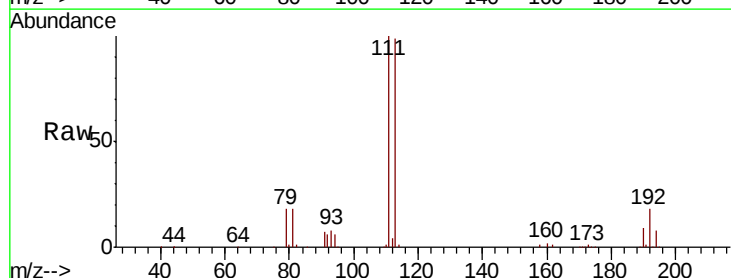


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

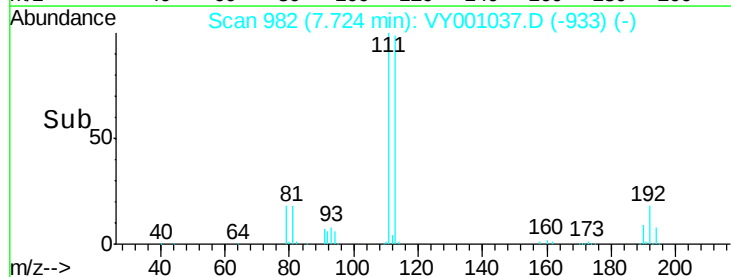
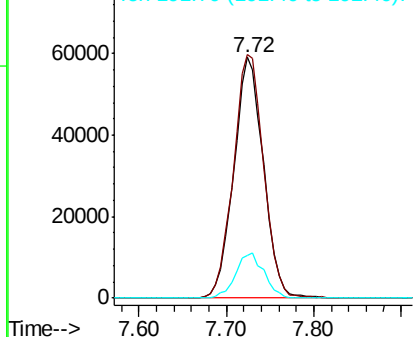


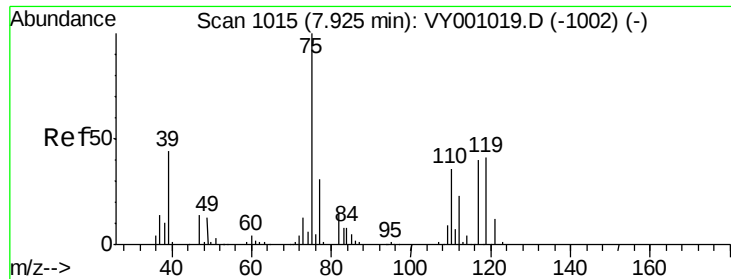
#35
 Dibromofluoromethane
 Concen: 49.291 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY001037.D
 Acq: 24 Dec 2019 10:57

Tgt Ion:113 Resp: 138908
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.0 124.4
 192 18.0 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

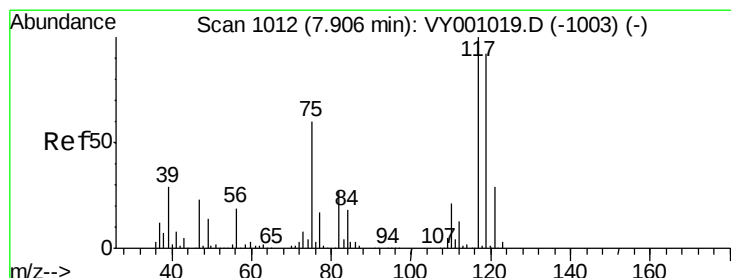
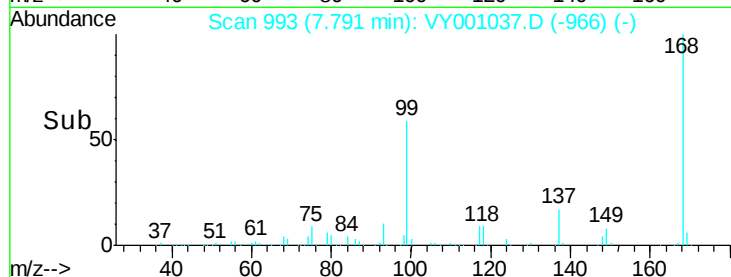
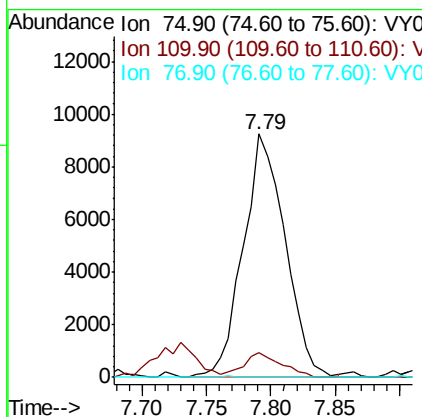
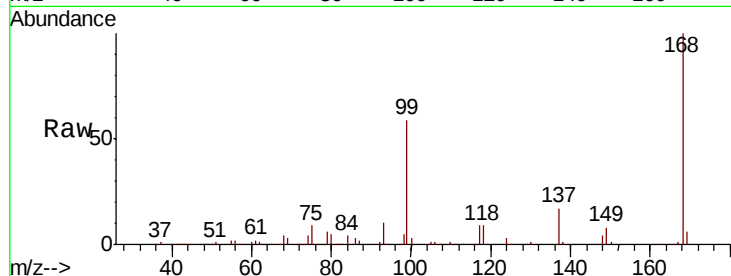




#36
 1,1-Dichloropropene
 Concen: 4.571 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY001037.D
 Acq: 24 Dec 2019 10:57

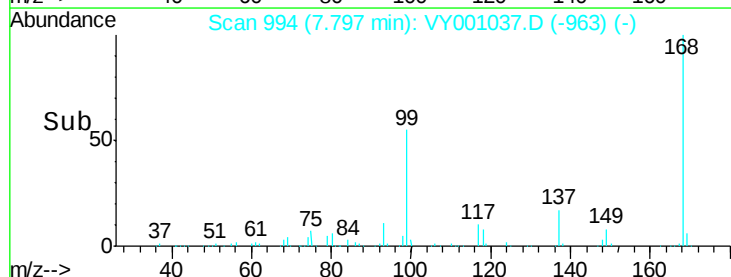
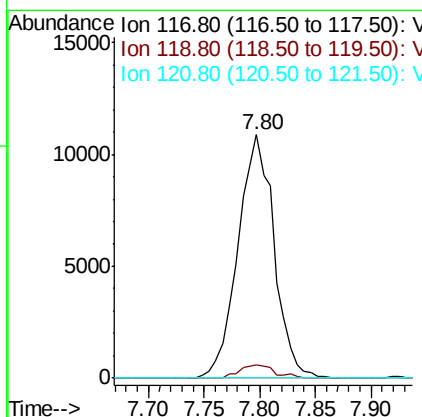
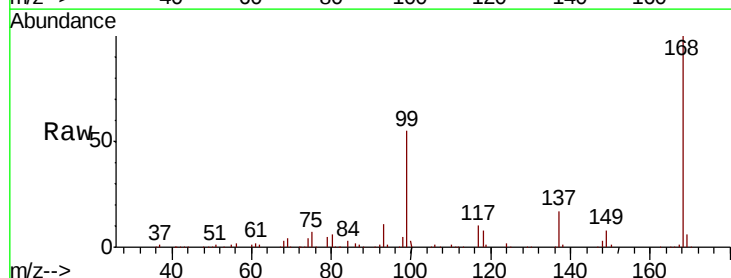
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 VY1224SBL01

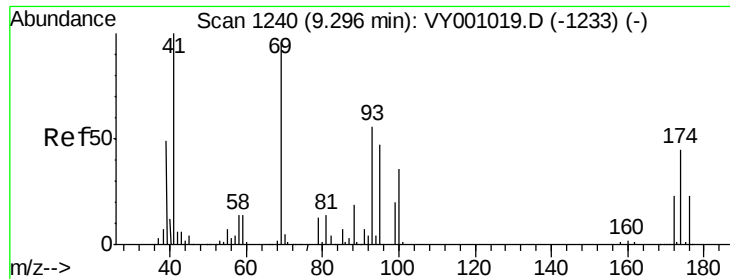
Tgt Ion: 75 Resp: 20871
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.4#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.112 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001037.D
 Acq: 24 Dec 2019 10:57

Tgt Ion: 117 Resp: 24447
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.2 111.2#
 121 0.0 22.9 34.3#

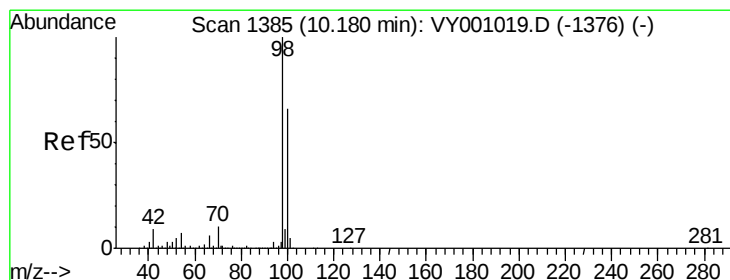
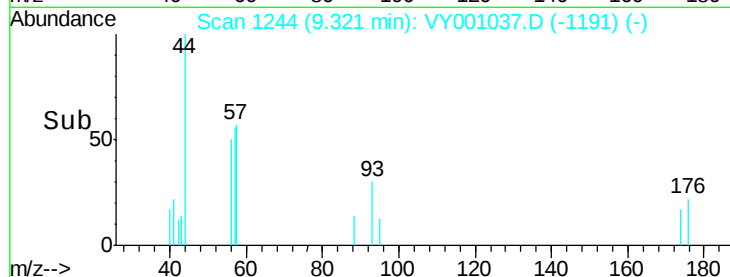
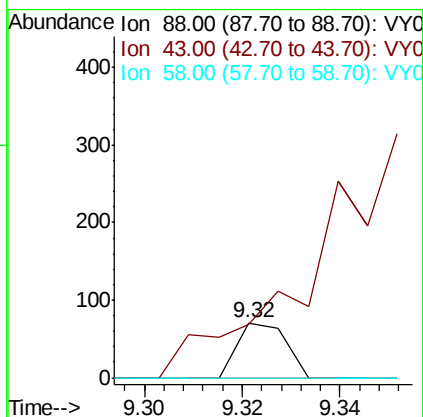
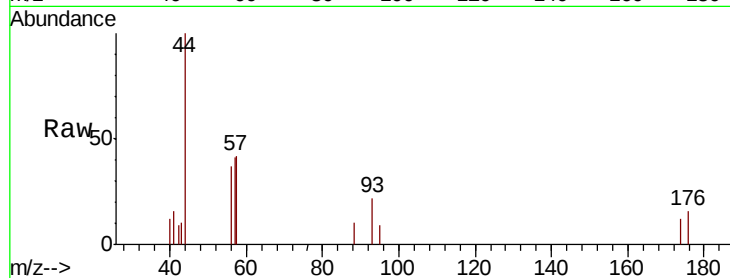




#49
1,4-Dioxane
Concen: 1.881 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VY001037.D
Acq: 24 Dec 2019 10:57

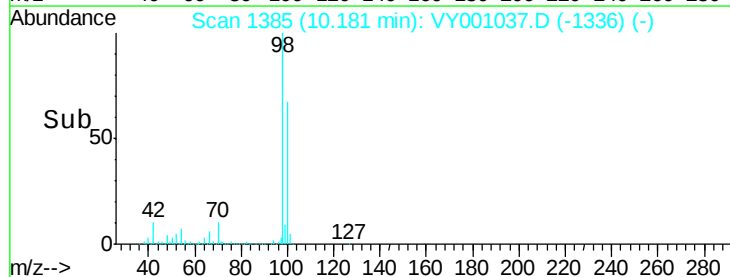
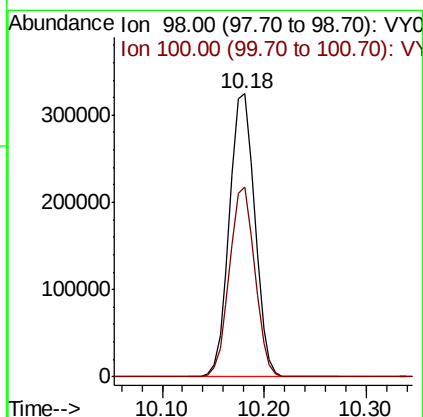
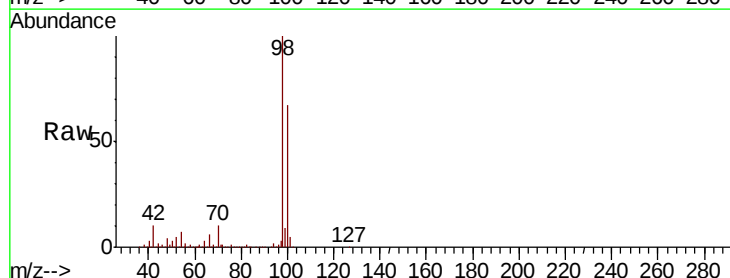
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ClientSampleId :
VY1224SBL01

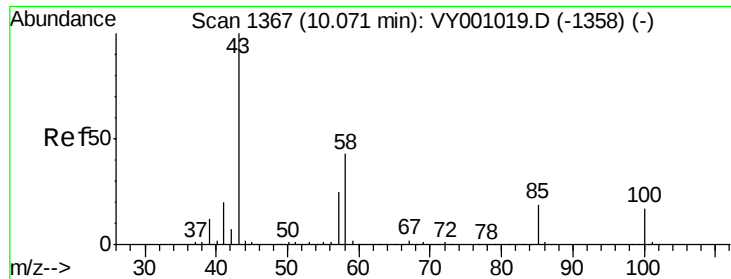
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 23.0 34.4#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 50.675 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001037.D
Acq: 24 Dec 2019 10:57

Tgt Ion: 98 Resp: 558091
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

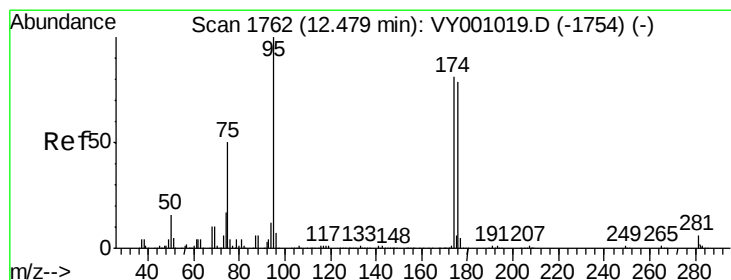
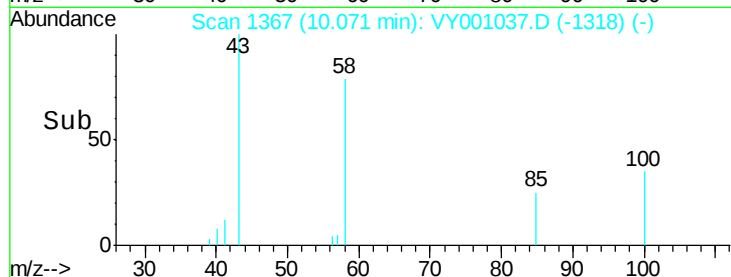
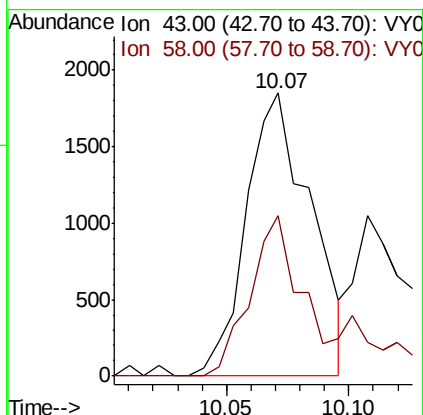
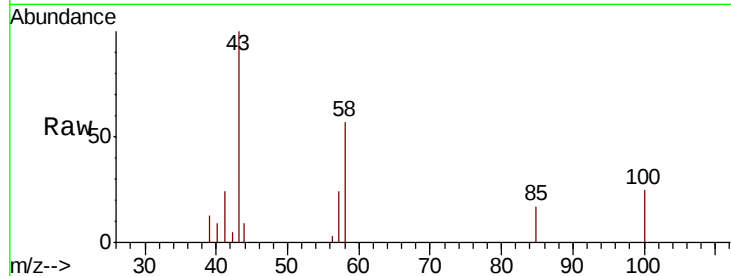




#51
4-Methyl-2-Pentanone
Concen: 1.395 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001037.D
Acq: 24 Dec 2019 10:57

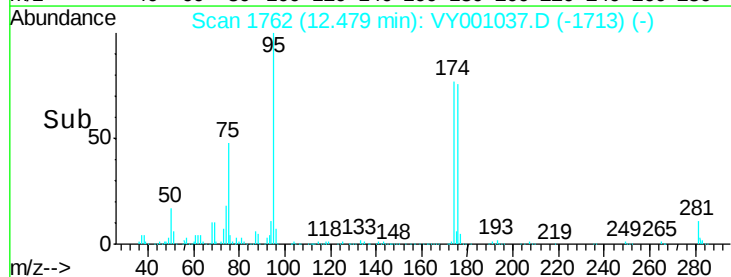
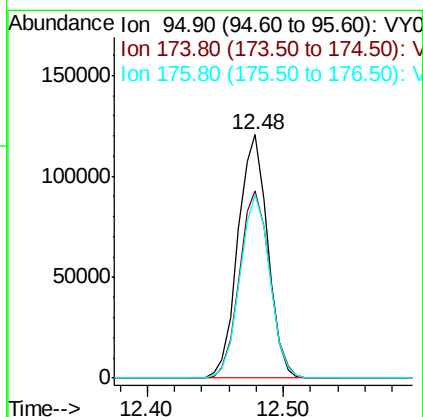
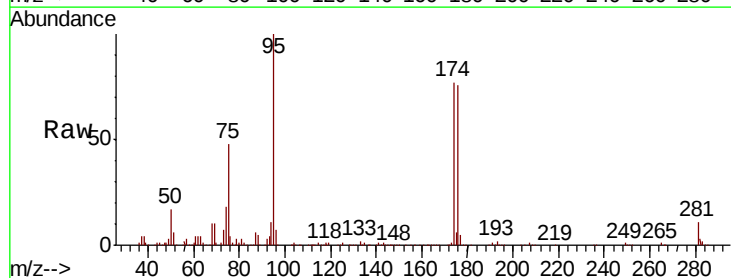
Instrument :
MSVOA_Y
ClientSampleId :
VY1224SBL01

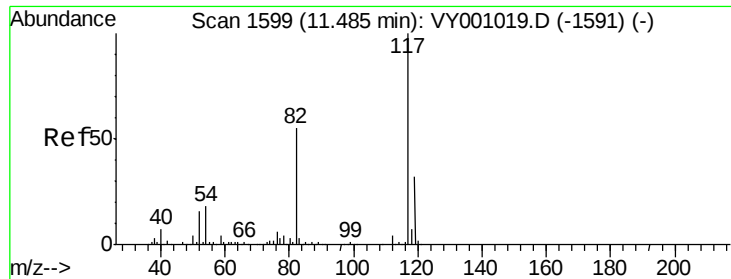
Tgt Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
58 46.4 34.6 52.0



#62
4-Bromofluorobenzene
Concen: 45.584 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001037.D
Acq: 24 Dec 2019 10:57

Tgt Ion: 95 Resp: 183546
Ion Ratio Lower Upper
95 100
174 78.4 0.0 156.4
176 76.0 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VY1224SBL01

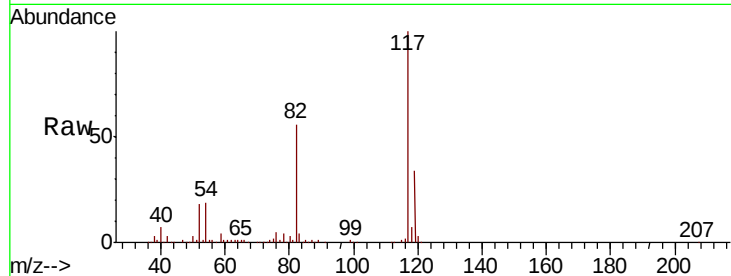
Tgt Ion:117 Resp: 426877

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

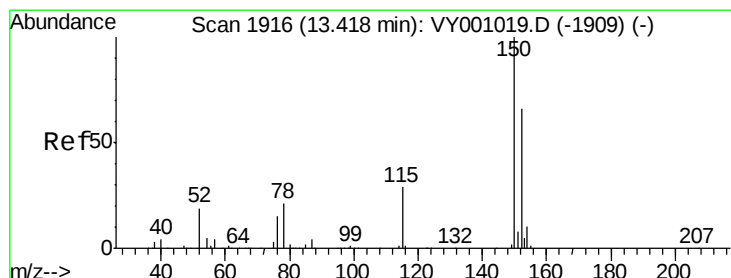
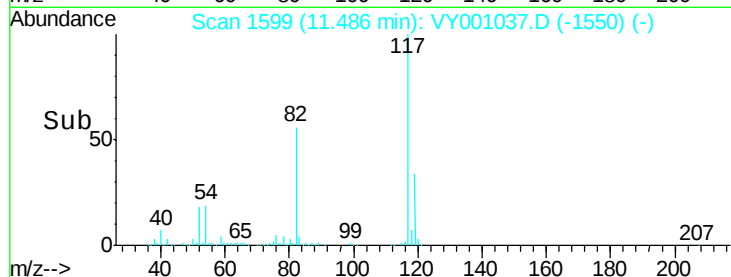
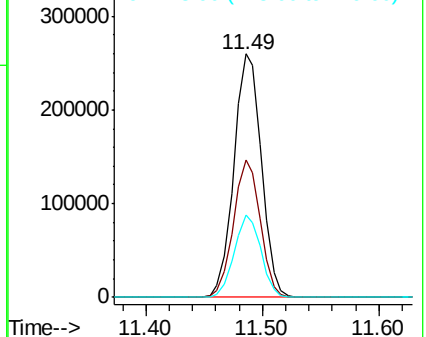
119 33.9 25.8 38.6



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: VY001037.D

Acq: 24 Dec 2019 10:57

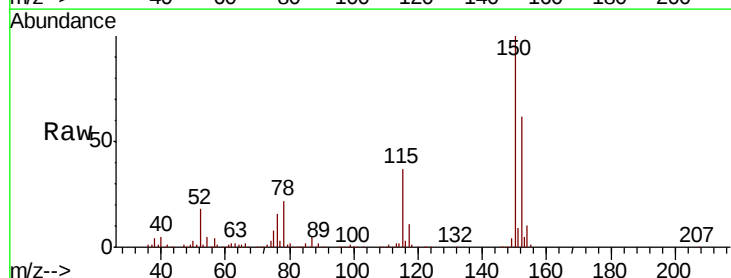
Tgt Ion:152 Resp: 185204

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.3

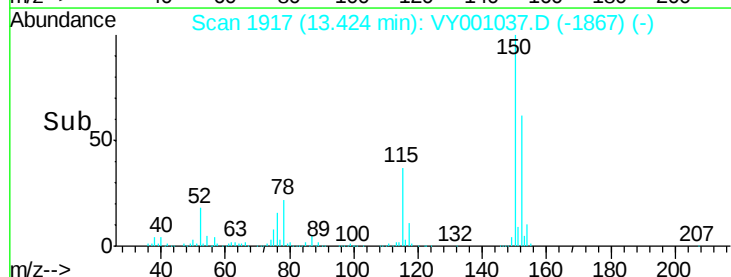
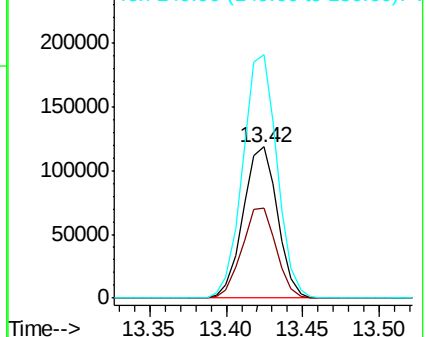
150 160.1 0.0 352.6

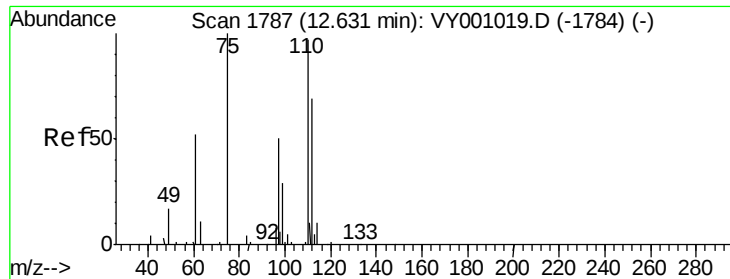


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 40.288 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

Instrument :

MSVOA_Y

ClientSampleId :

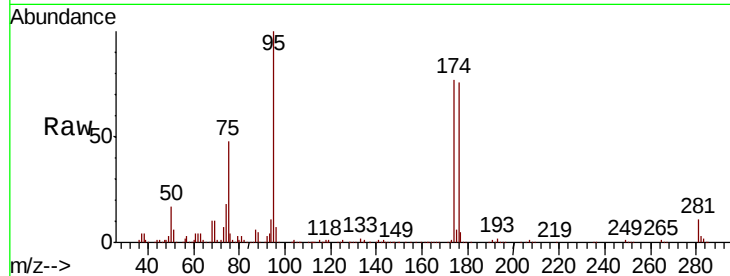
VY1224SBL01

Tgt Ion: 75 Resp: 91984

Ion Ratio Lower Upper

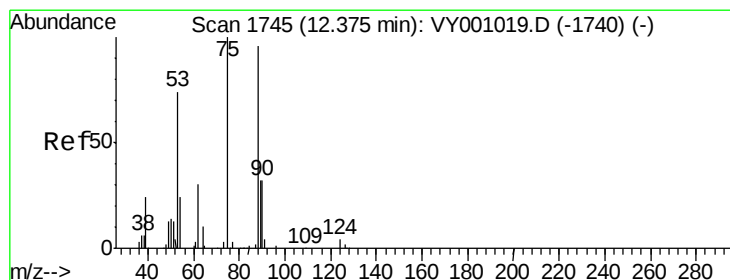
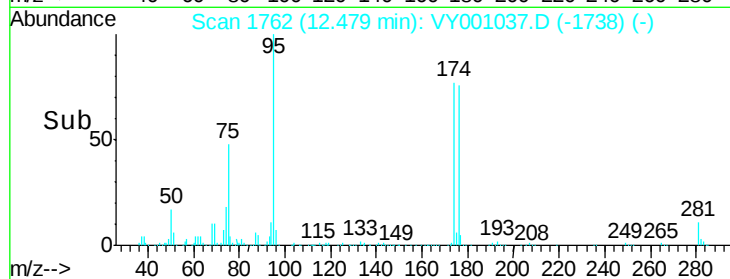
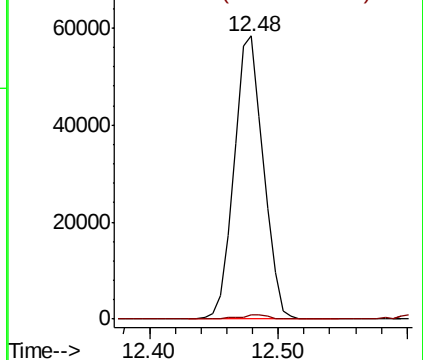
75 100

77 1.6 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: 85.924 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001037.D

Acq: 24 Dec 2019 10:57

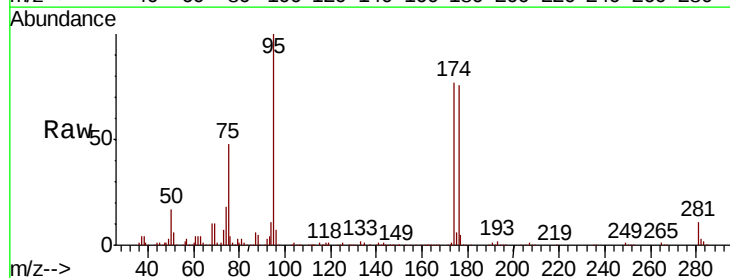
Tgt Ion: 75 Resp: 91984

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.6 35.4 53.0#



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

