

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000119.D
 Acq On : 20 Sep 2019 19:34
 Operator : SY/MD
 Sample : K4938-04
 Misc : 5.09g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:50:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	73681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	158319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	133972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	48982	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	45918	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
35) Dibromofluoromethane	7.73	113	44420	46.34	ug/l	0.01
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	10.18	98	191078	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.48	95	58495	41.85	ug/l	0.00
Spiked Amount			Recovery	=	83.70%	

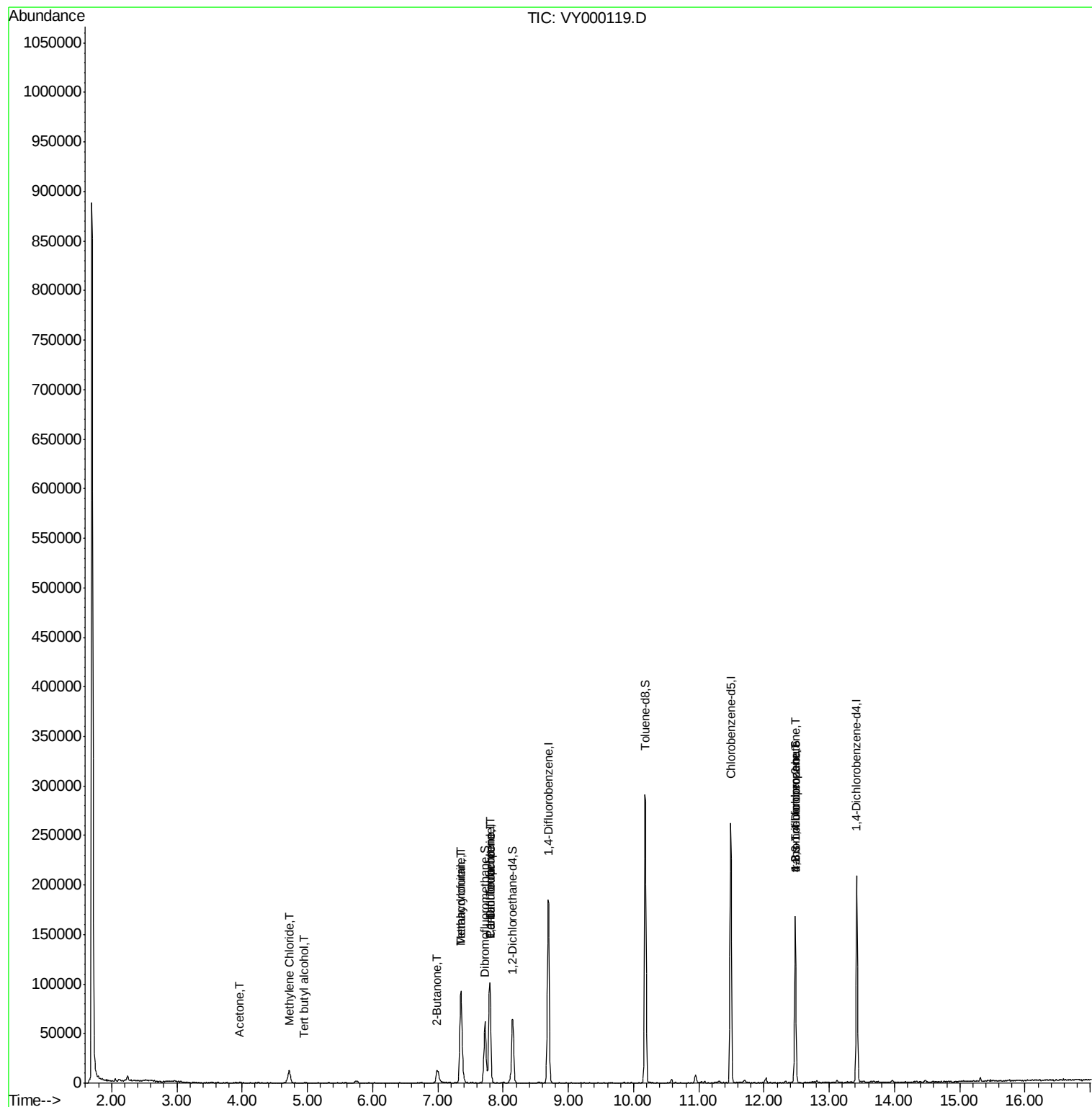
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	1313	Below Cal	#	81
5) Bromomethane	2.63	94	33	Below Cal	#	6
11) Tert butyl alcohol	4.95	59	116	1.154	ug/l #	73
13) Acrolein	3.84	56	25	Below Cal	#	13
16) Acetone	3.96	43	1098	5.563	ug/l #	35
17) Carbon Disulfide	4.20	76	29	Below Cal	#	77
20) Methylene Chloride	4.72	84	9333	10.052	ug/l #	82
25) 2-Butanone	6.98	43	368	1.029	ug/l #	44
29) Tetrahydrofuran	7.35	42	73218	341.163	ug/l	99
31) Cyclohexane	7.79	56	2295	Below Cal	#	70
36) 1,1-Dichloropropene	7.80	75	7181	6.066	ug/l #	46
38) Carbon Tetrachloride	7.79	117	7563	6.769	ug/l #	16
41) Methacrylonitrile	7.35	41	36976	66.136	ug/l #	39
76) 1,2,3-Trichloropropane	12.48	75	30088	43.658	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	30088	83.966	ug/l #	19

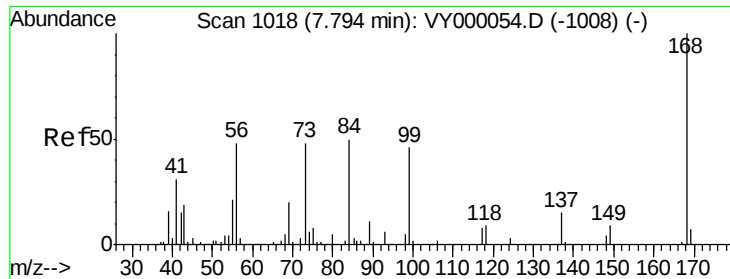
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

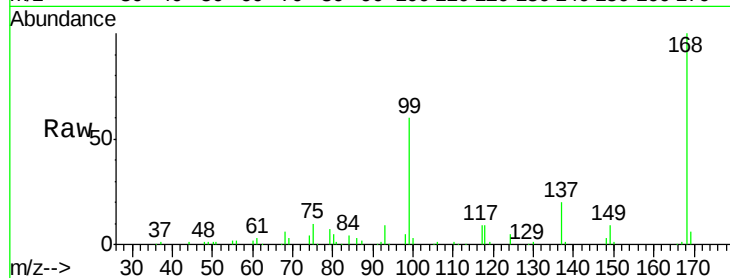
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 73681

Ion Ratio Lower Upper

168 100

99 60.2 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.80

30000

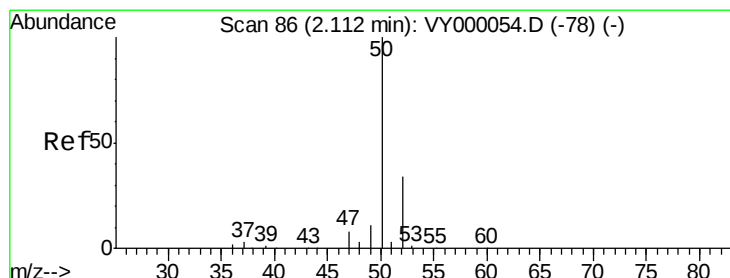
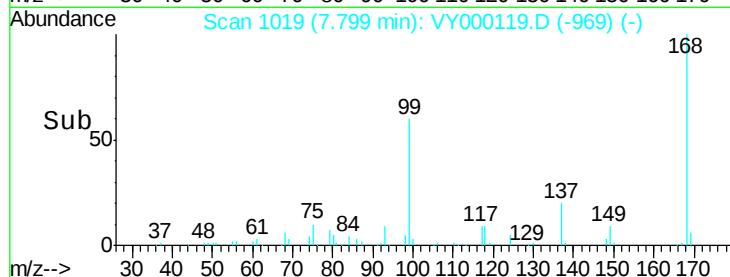
20000

10000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000119.D

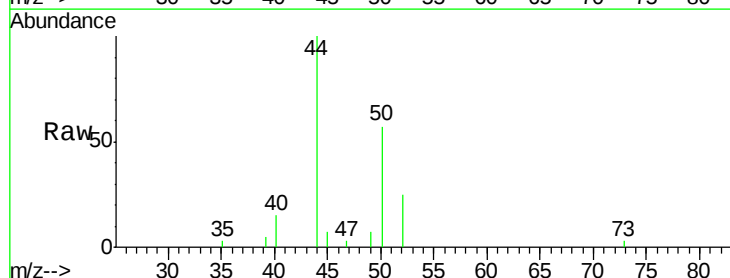
Acq: 20 Sep 2019 19:34

Tgt Ion: 50 Resp: 1313

Ion Ratio Lower Upper

50 100

52 44.8 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000054.D (-78) (-)

Ion 51.90 (51.60 to 52.60): VY000054.D (-78) (-)

2.11

1000

800

600

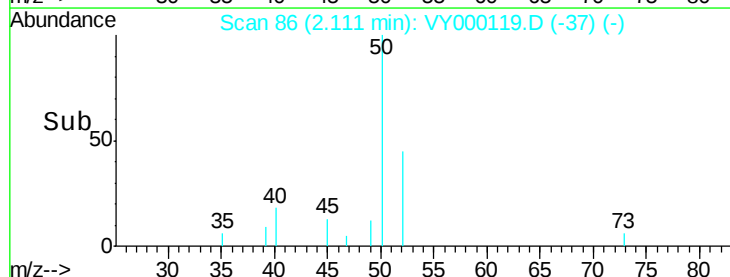
400

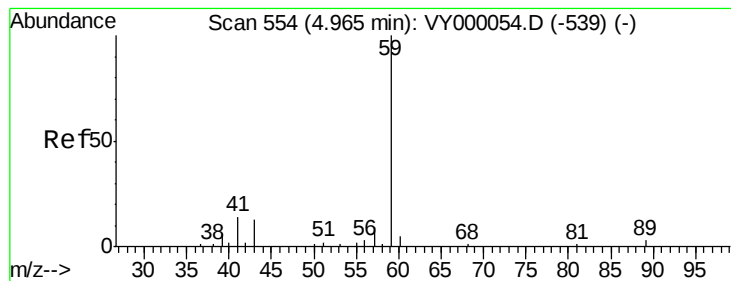
200

0

Time-->

2.05 2.10 2.15



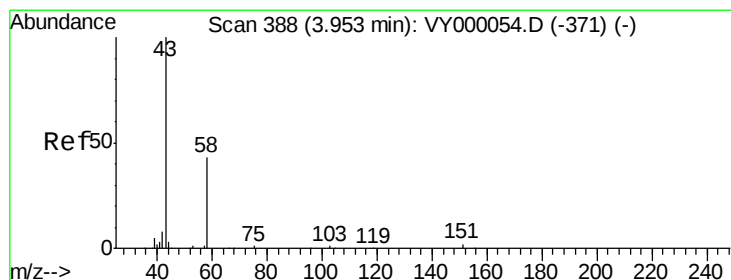
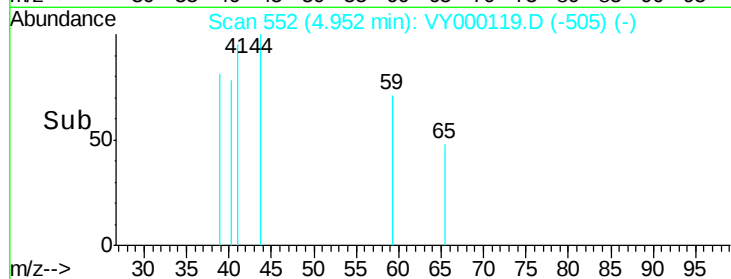
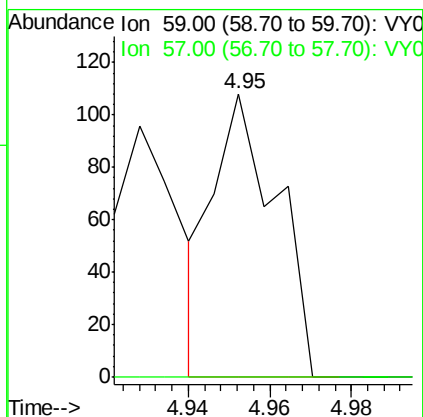
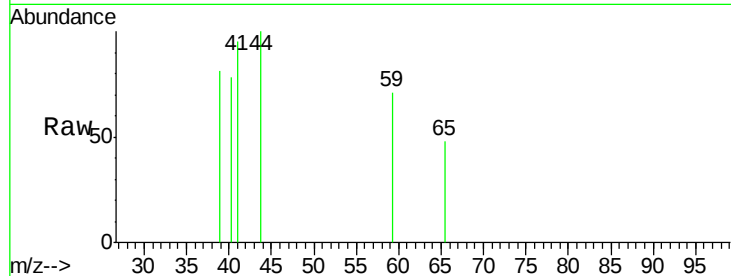


#11

Tert butyl alcohol
 Concen: 1.154 ug/l
 RT: 4.95 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VY000119.D
 Acq: 20 Sep 2019 19:34

Instrument :
 MSVOA_Y
 ClientSampled :

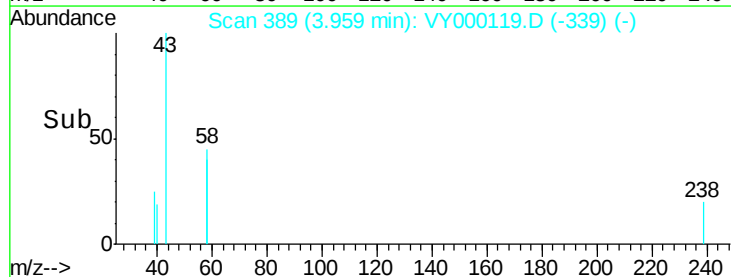
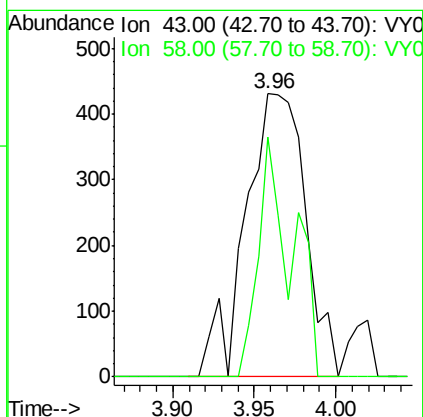
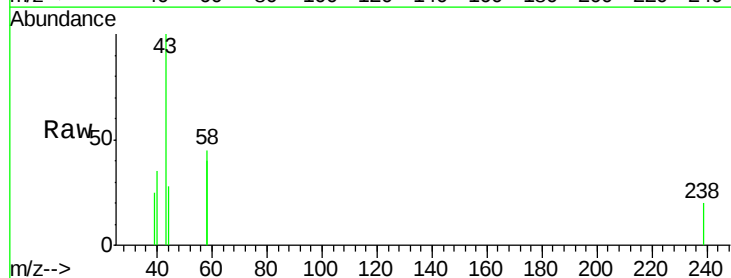
Tot Ion: 59 Resp: 116
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

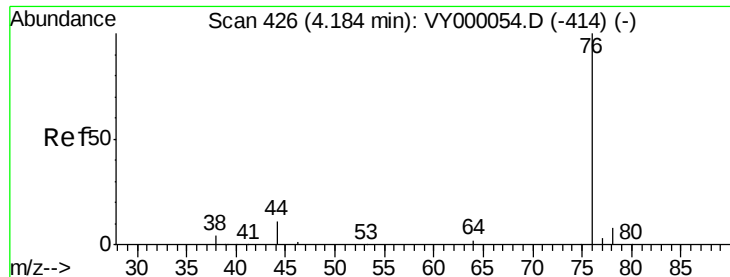


#16

Acetone
 Concen: 5.563 ug/l
 RT: 3.96 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VY000119.D
 Acq: 20 Sep 2019 19:34

Tgt Ion: 43 Resp: 1098
 Ion Ratio Lower Upper
 43 100
 58 84.9 34.5 51.7#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 428

Delta R.T. 0.01 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Instrument :

MSVOA_Y

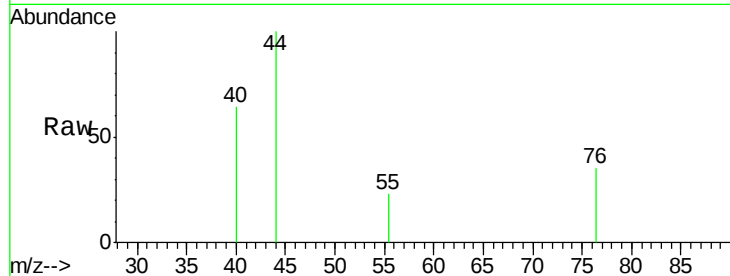
ClientSampleId :

Tot Ion: 76 Resp: 29

Ion Ratio Lower Upper

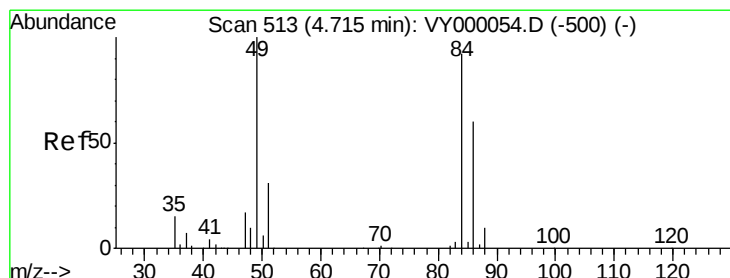
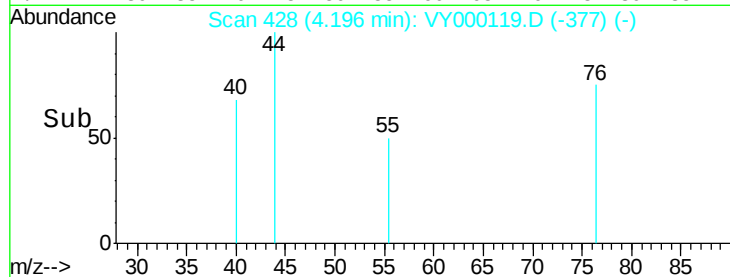
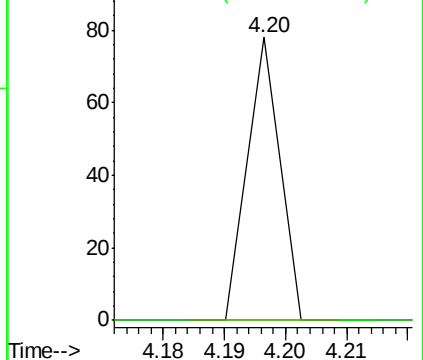
76 100

78 0.0 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 10.052 ug/l

RT: 4.72 min Scan# 514

Delta R.T. 0.01 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Tgt Ion: 84 Resp: 9333

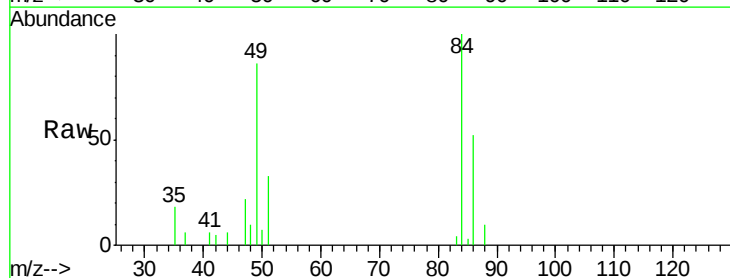
Ion Ratio Lower Upper

84 100

49 85.6 87.4 131.0#

51 33.0 27.2 40.8

86 51.8 52.8 79.2#

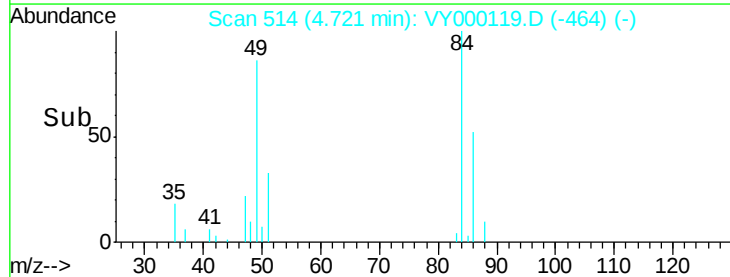
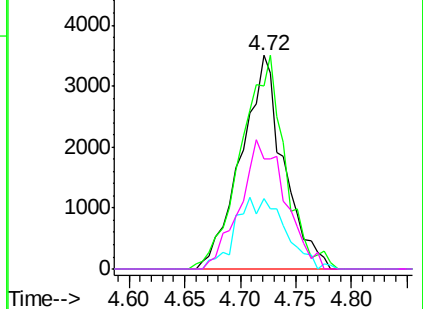


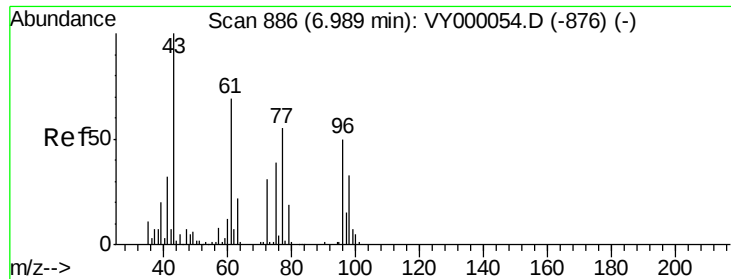
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

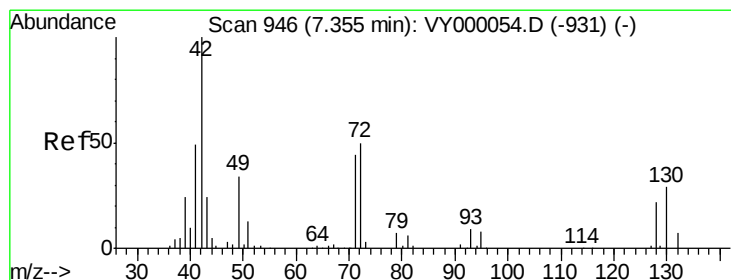
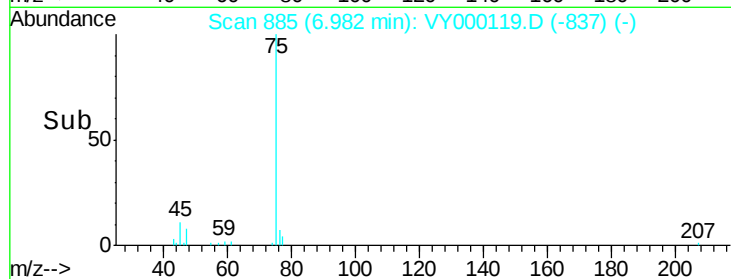
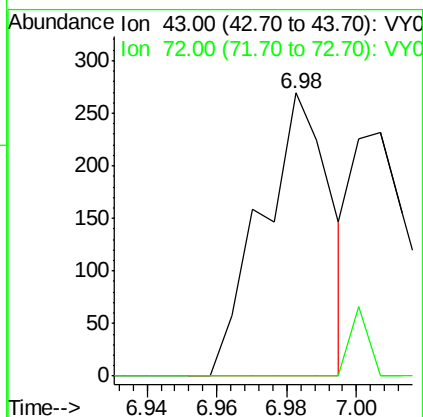
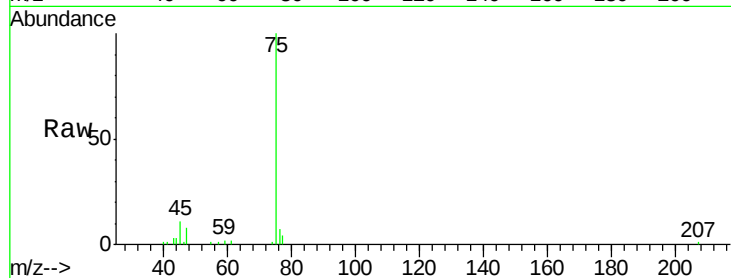




#25
2-Butanone
Concen: 1.029 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000119.D
Acq: 20 Sep 2019 19:34

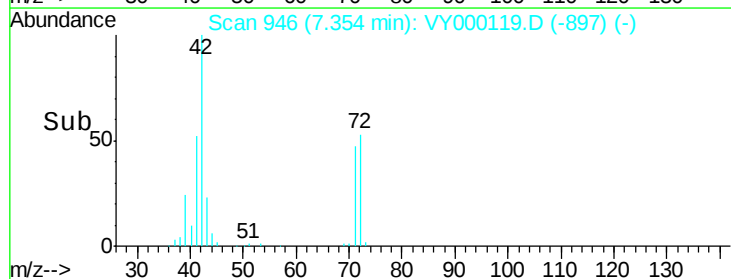
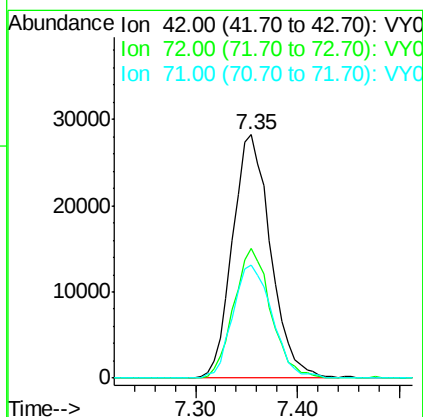
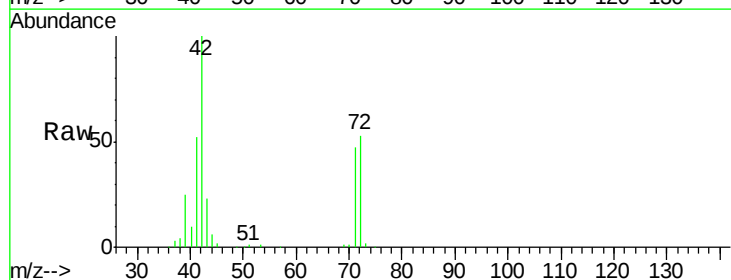
Instrument :
MSVOA_Y
ClientSampled :

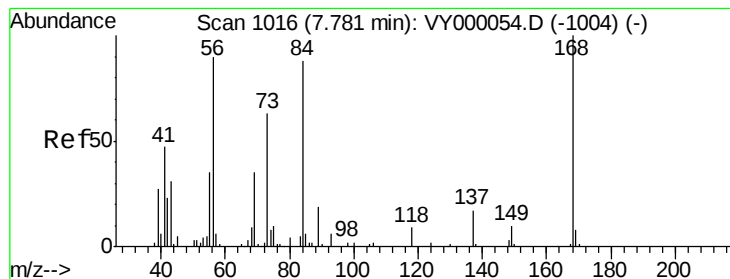
Tot Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
72 0.0 24.7 37.1#



#29
Tetrahydrofuran
Concen: 341.163 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000119.D
Acq: 20 Sep 2019 19:34

Tgt Ion: 42 Resp: 73218
Ion Ratio Lower Upper
42 100
72 51.7 41.8 62.6
71 48.0 38.6 58.0





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Instrument :
MSVOA_Y
ClientSampled :

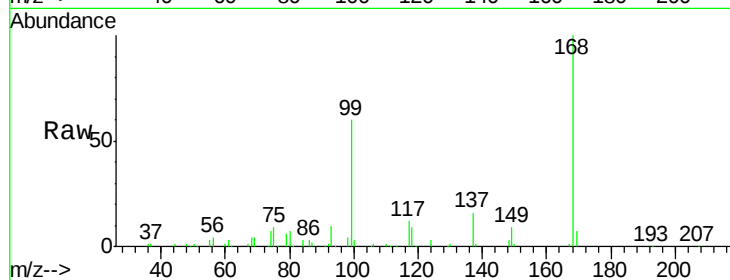
Tot Ion: 56 Resp: 2295

Ion Ratio Lower Upper

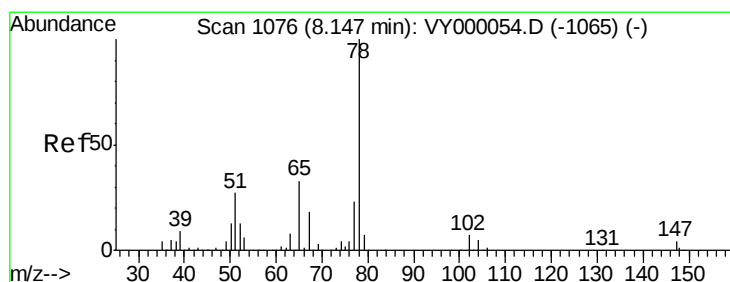
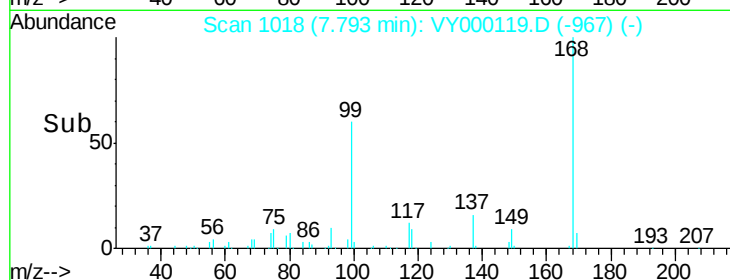
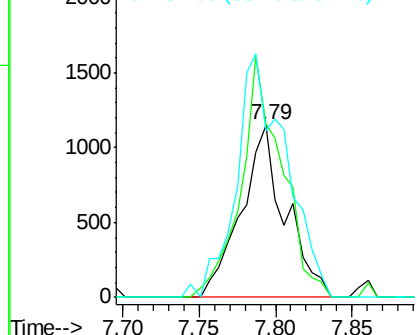
56 100

69 100.7 30.9 46.3#

84 96.6 78.5 117.7



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: 54.167 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000119.D

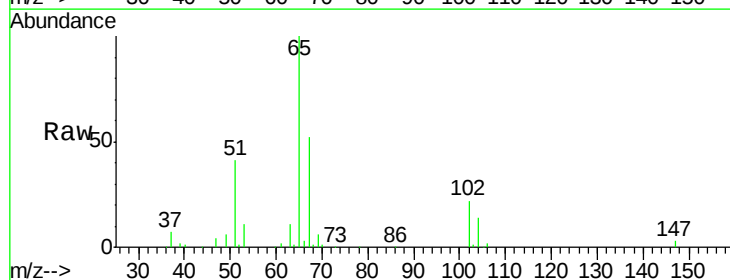
Acq: 20 Sep 2019 19:34

Tgt Ion: 65 Resp: 45918

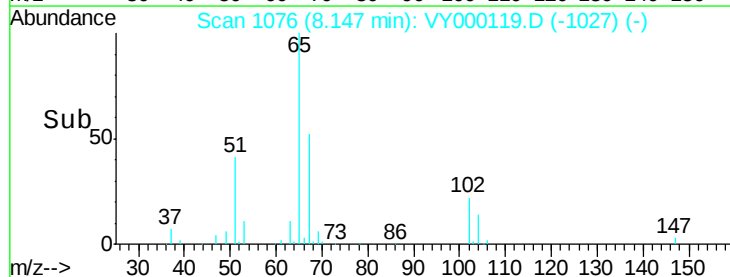
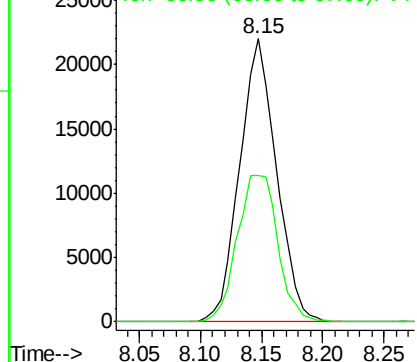
Ion Ratio Lower Upper

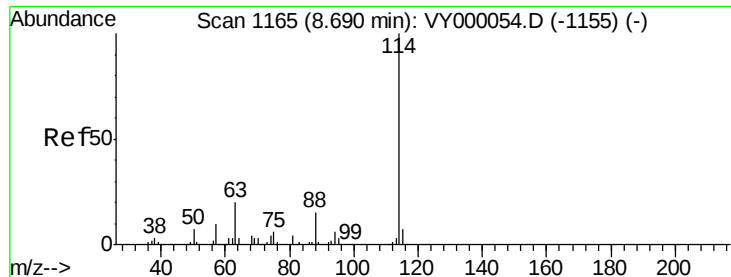
65 100

67 57.4 0.0 111.0



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# 1165

Delta R.T. -0.00 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Instrument :

MSVOA_Y

ClientSampleId :

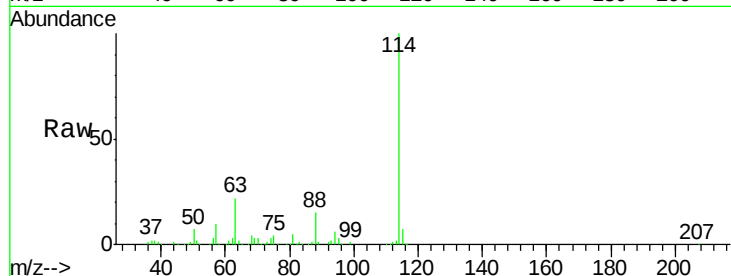
Tot Ion:114 Resp: 158319

Ion Ratio Lower Upper

114 100

63 22.2 0.0 39.4

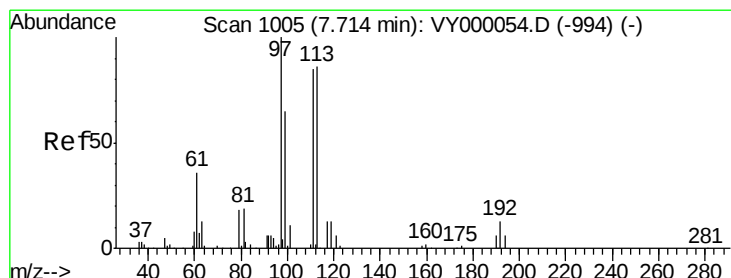
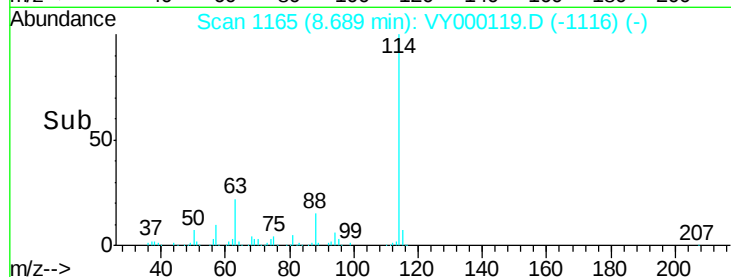
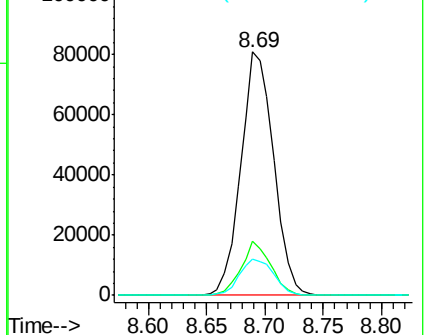
88 14.9 0.0 30.2



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: 46.339 ug/l

RT: 7.73 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

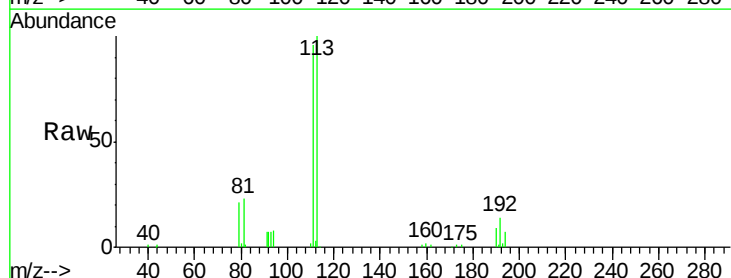
Tgt Ion:113 Resp: 44420

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

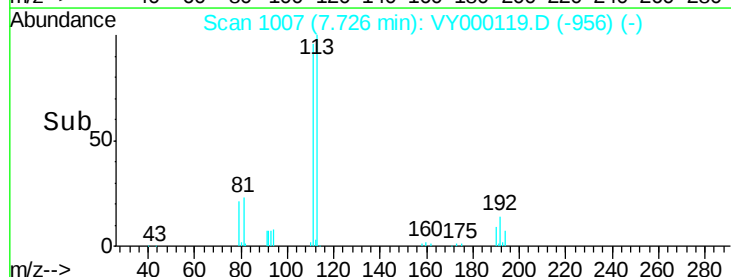
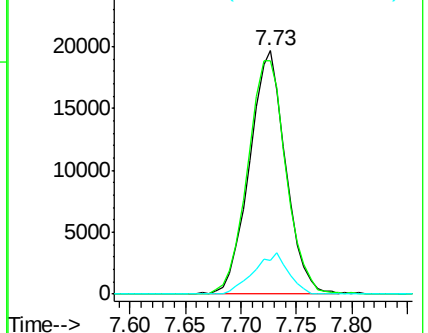
192 16.1 13.4 20.2

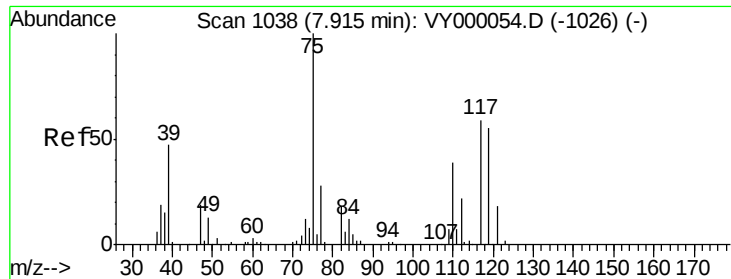


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

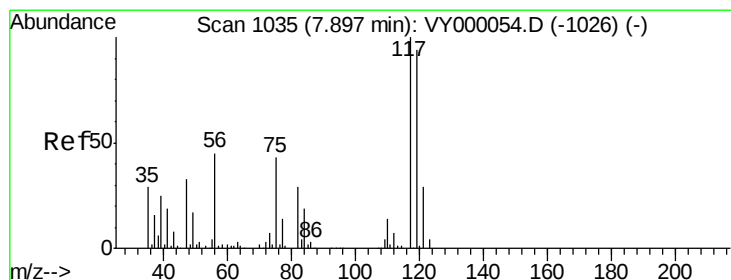
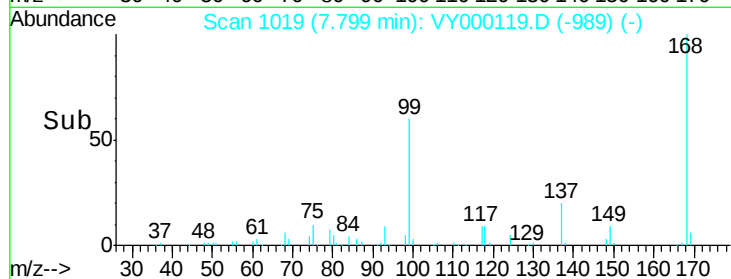
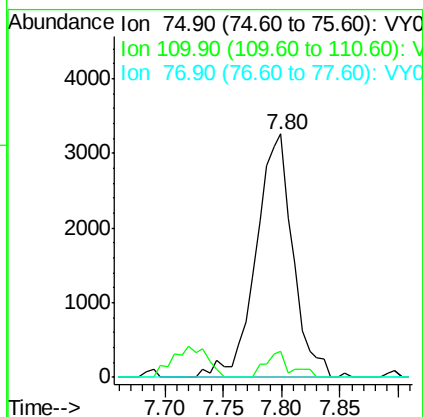
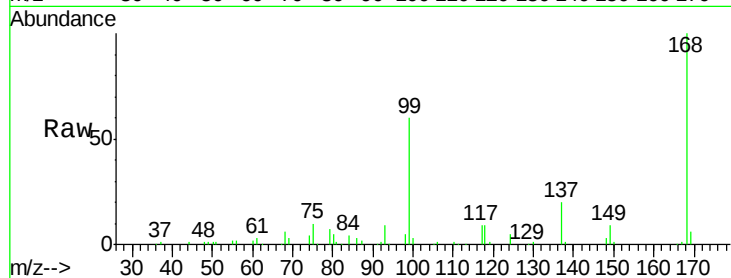




#36
 1,1-Dichloropropene
 Concen: 6.066 ug/l
 RT: 7.80 min Scan# 1019
 Delta R.T. -0.12 min
 Lab File: VY000119.D
 Acq: 20 Sep 2019 19:34

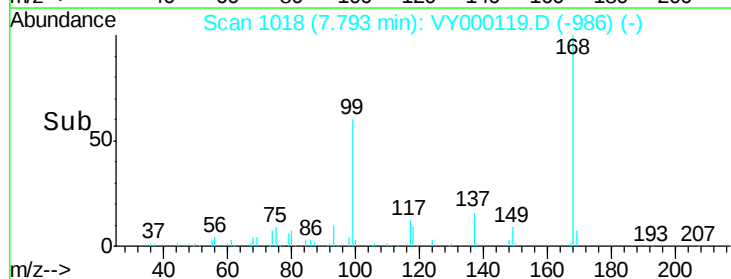
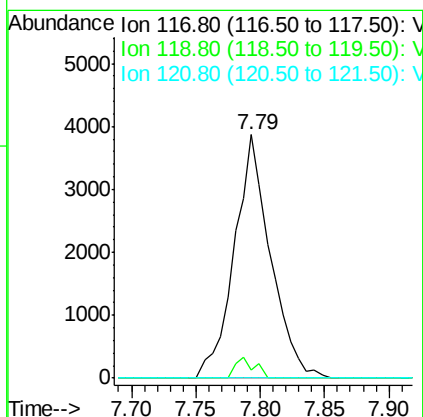
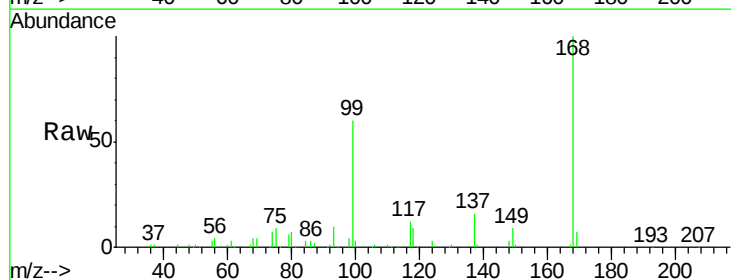
Instrument :
 MSVOA_Y
 ClientSampleId :

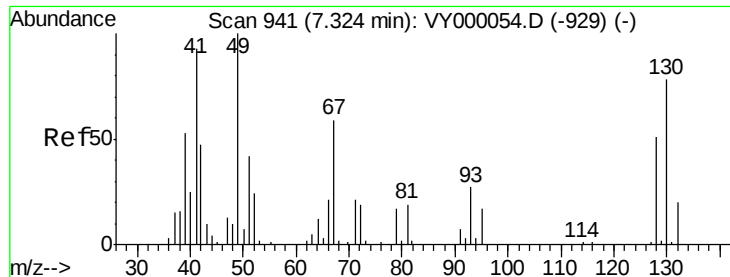
Tot Ion: 75 Resp: 7181
 Ion Ratio Lower Upper
 75 100
 110 7.1 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.769 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000119.D
 Acq: 20 Sep 2019 19:34

Tgt Ion: 117 Resp: 7563
 Ion Ratio Lower Upper
 117 100
 119 3.6 75.0 112.6#
 121 0.0 22.8 34.2#

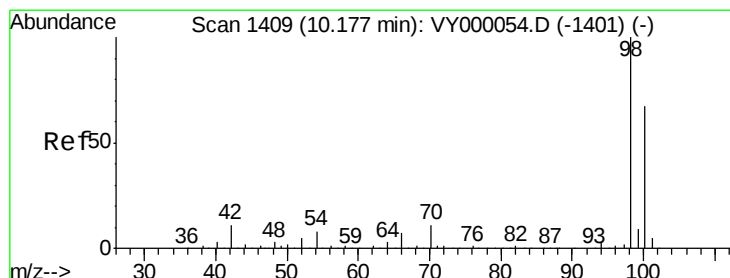
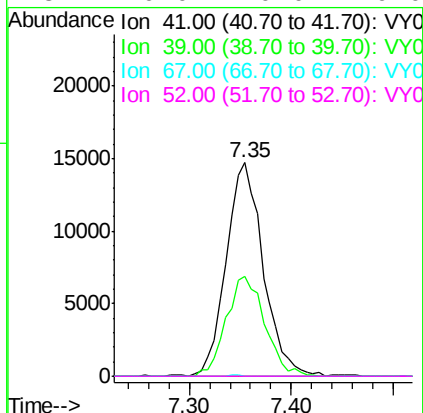
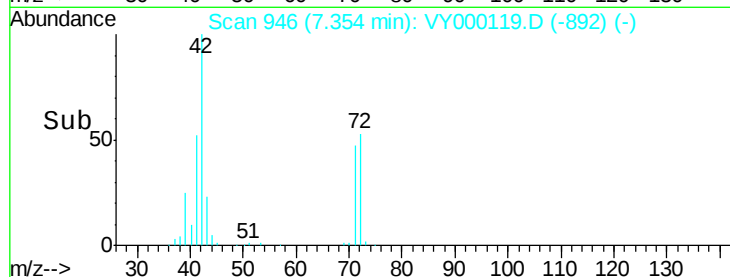
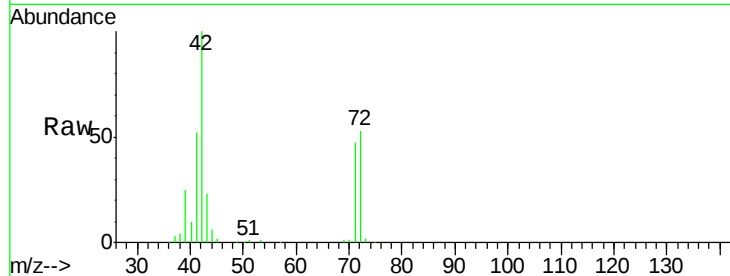




#41
Methacrylonitrile
Concen: 66.136 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.03 min
Lab File: VY000119.D
Acq: 20 Sep 2019 19:34

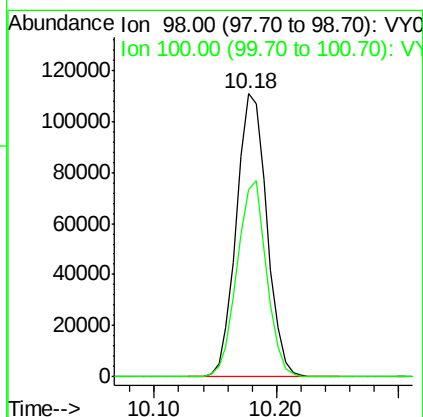
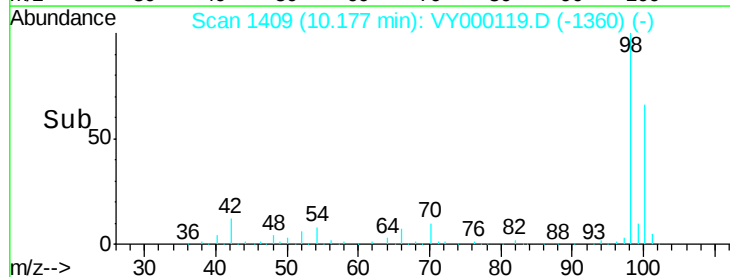
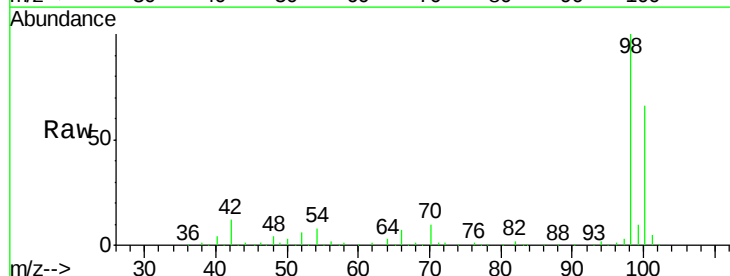
Instrument :
MSVOA_Y
ClientSampleId :

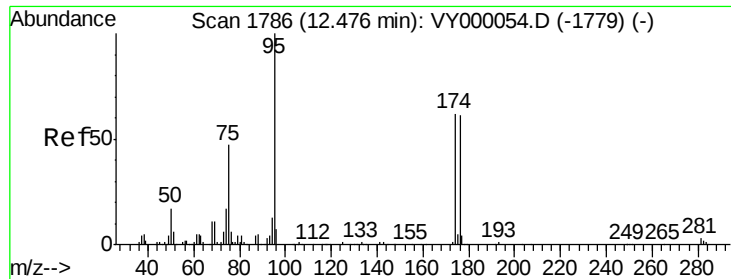
Tot Ion: 41 Resp: 36976
Ion Ratio Lower Upper
41 100
39 48.9 91.8 137.6#
67 0.1 0.0 0.0#
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 50.751 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000119.D
Acq: 20 Sep 2019 19:34

Tgt Ion: 98 Resp: 191078
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 41.846 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Instrument :

MSVOA_Y

ClientSampleId :

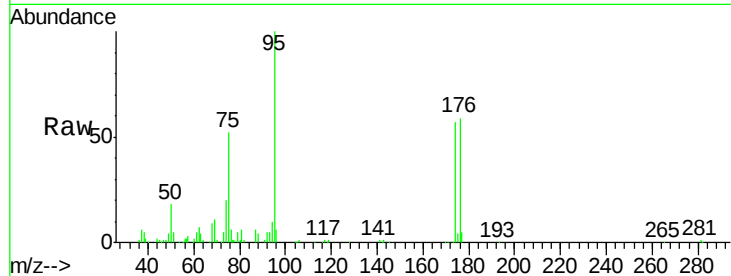
Tot Ion: 95 Resp: 58495

Ion Ratio Lower Upper

95 100

174 63.7 0.0 137.2

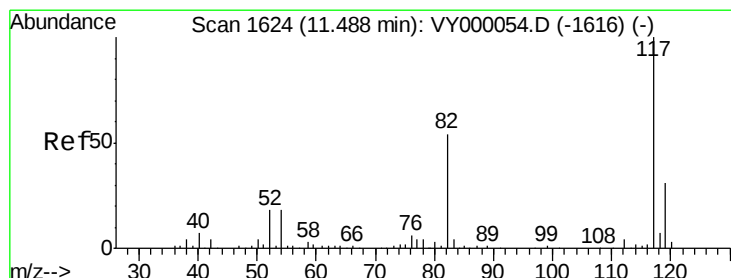
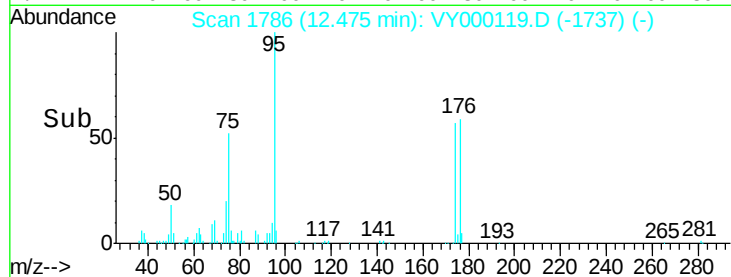
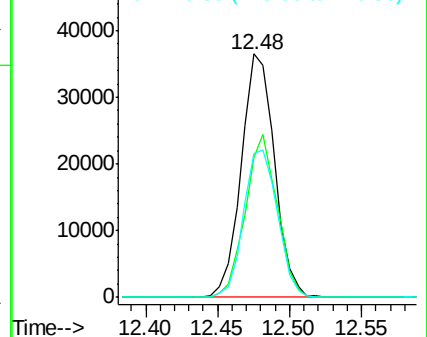
176 61.6 0.0 135.0



Abundance Ion 94.90 (94.60 to 95.60): VY000054.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000054.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000054.D (-1779) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

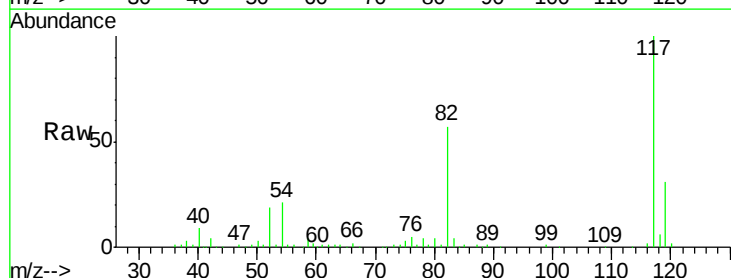
Tgt Ion: 117 Resp: 133972

Ion Ratio Lower Upper

117 100

82 57.5 43.5 65.3

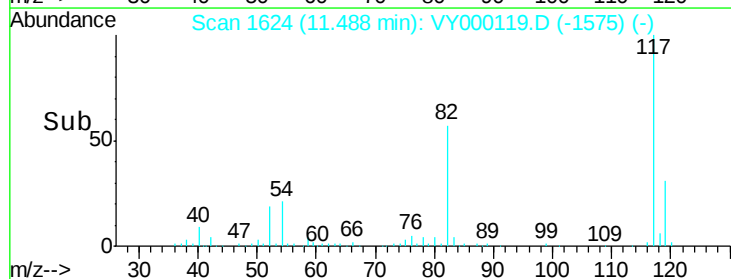
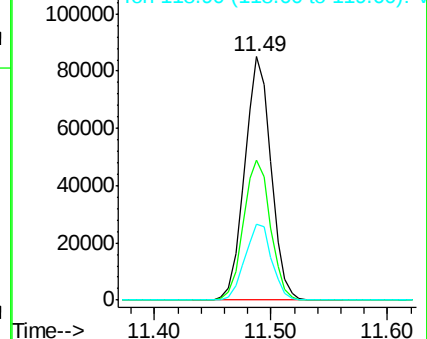
119 31.0 24.6 36.8

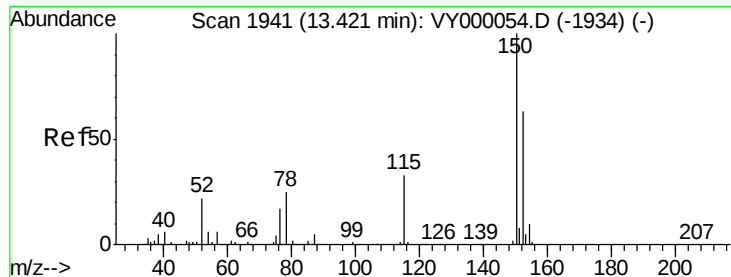


Abundance Ion 116.90 (116.60 to 117.60): VY000054.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VY000054.D (-1616) (-)

Ion 118.90 (118.60 to 119.60): VY000054.D (-1616) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Instrument :

MSVOA_Y

ClientSampleId :

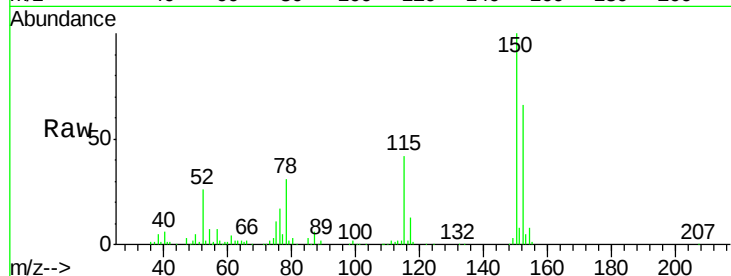
Tot Ion:152 Resp: 48982

Ion Ratio Lower Upper

152 100

115 62.7 30.7 92.1

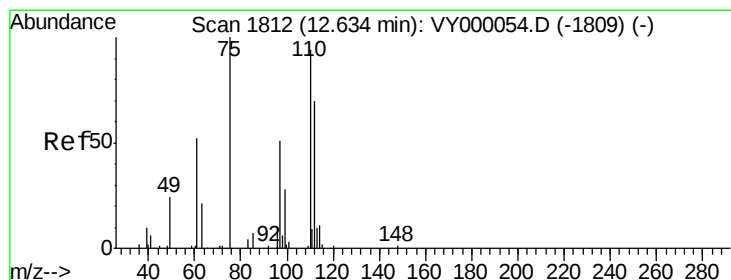
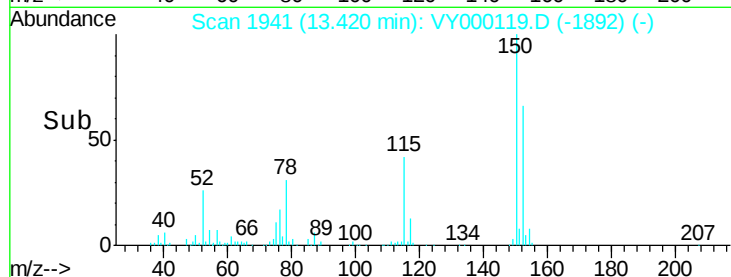
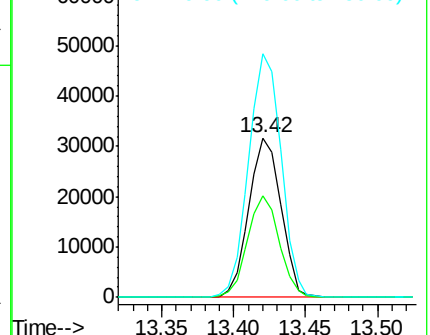
150 154.4 0.0 351.6



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: 43.658 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000119.D

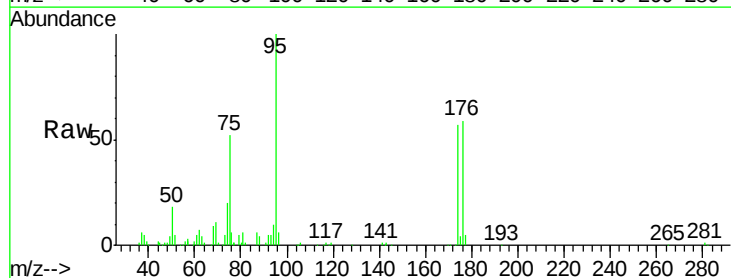
Acq: 20 Sep 2019 19:34

Tgt Ion: 75 Resp: 30088

Ion Ratio Lower Upper

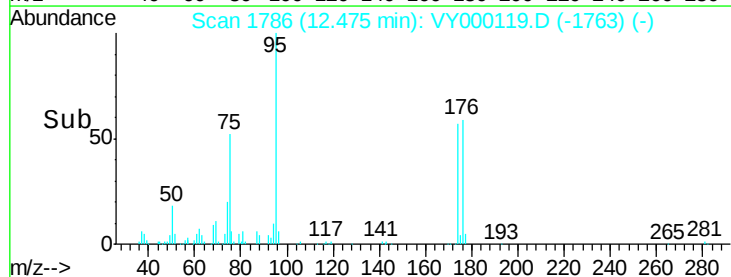
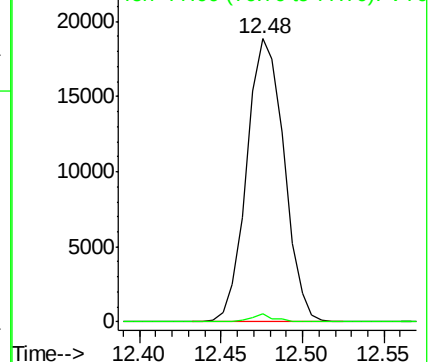
75 100

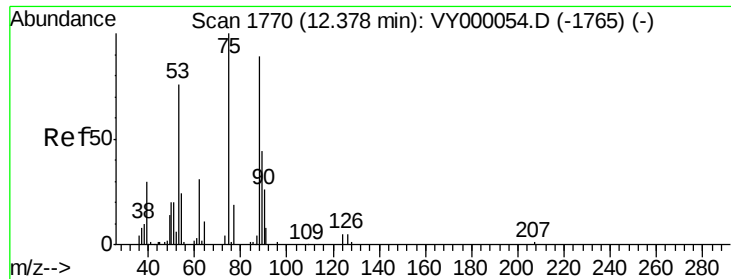
77 1.6 0.0 0.0#



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: 83.966 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000119.D

Acq: 20 Sep 2019 19:34

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 30088

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#

