

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000114.D
 Acq On : 20 Sep 2019 17:38
 Operator : SY/MD
 Sample : K4877-05RE
 Misc : 2.99g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:49:14 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	81417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	181828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	149919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	50546	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	55620	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	
35) Dibromofluoromethane	7.73	113	51601	46.87	ug/l	0.01
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	10.18	98	215988	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.48	95	65746	40.95	ug/l	0.00
Spiked Amount			Recovery	=	81.90%	

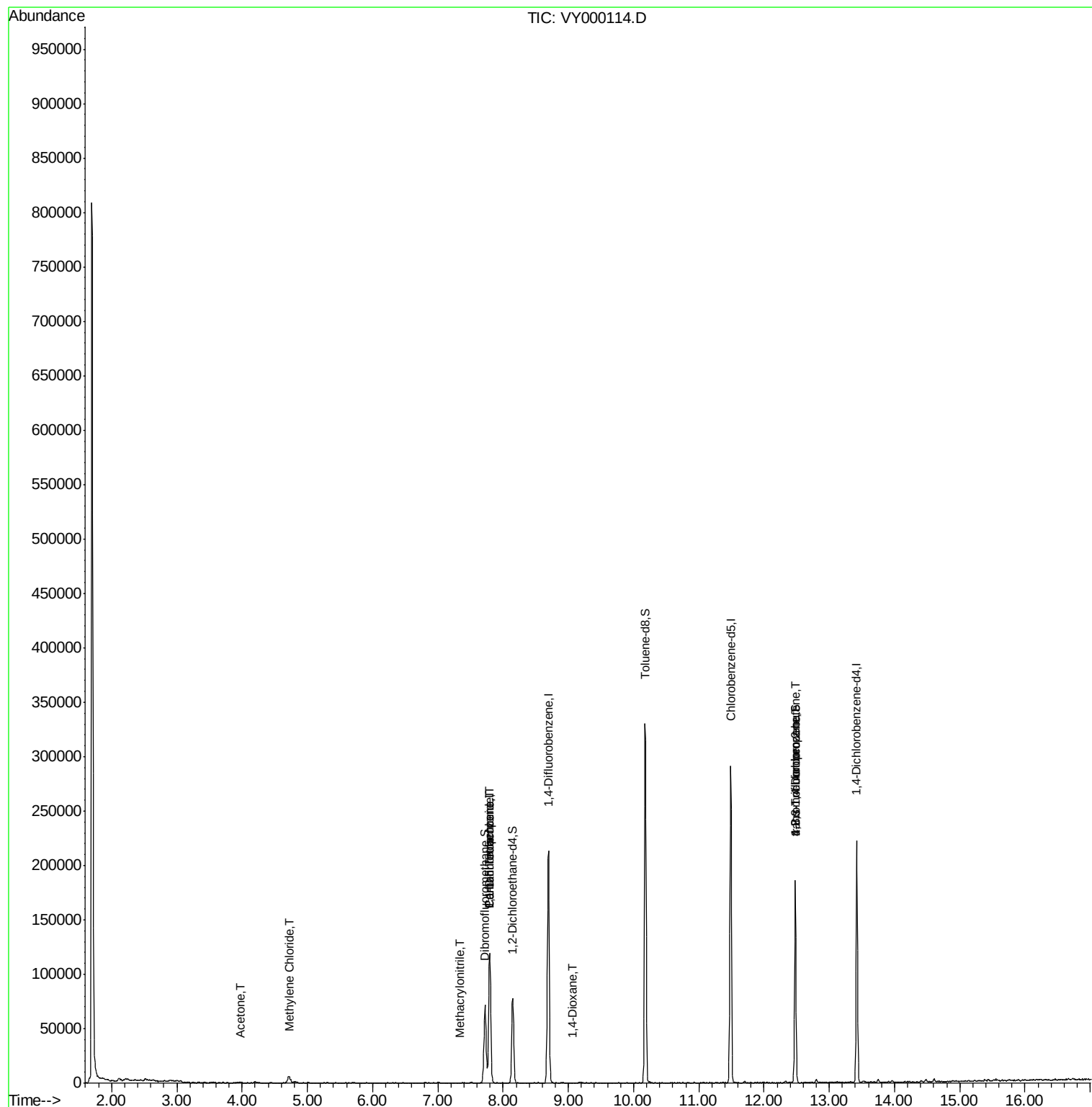
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	2095	Below Cal	#	67
13) Acrolein	3.71	56	131	Below Cal	#	13
16) Acetone	3.98	43	1108	5.080	ug/l #	33
17) Carbon Disulfide	4.20	76	1414	Below Cal	#	77
20) Methylene Chloride	4.71	84	4647	4.529	ug/l #	65
31) Cyclohexane	7.80	56	2865	Below Cal	#	77
36) 1,1-Dichloropropene	7.79	75	8434	6.203	ug/l #	46
38) Carbon Tetrachloride	7.79	117	9465	7.376	ug/l #	15
41) Methacrylonitrile	7.34	41	33	4.351	ug/l #	1
49) 1,4-Dioxane	9.06	88	24	1.945	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	32855	46.198	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	32855	88.850	ug/l #	19

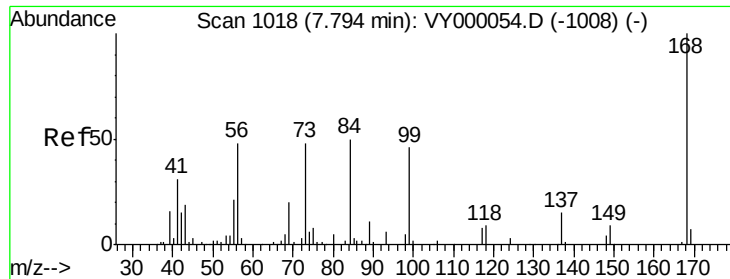
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY000114.D

Acq: 20 Sep 2019 17:38

Instrument :

MSVOA_Y

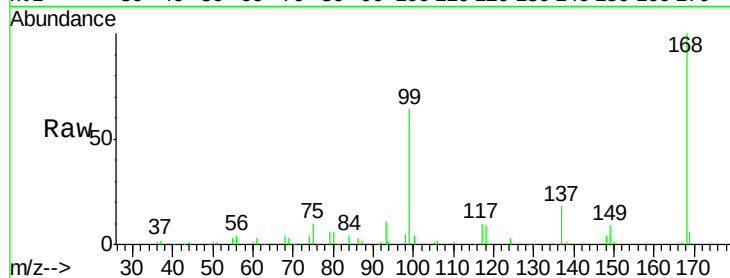
ClientSampleId :

Tot Ion:168 Resp: 81417

Ion Ratio Lower Upper

168 100

99 63.9 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

40000

30000

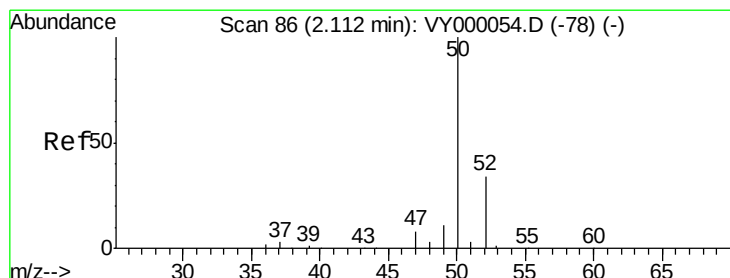
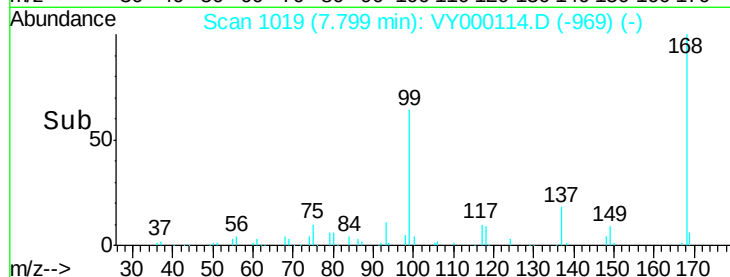
20000

10000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000114.D

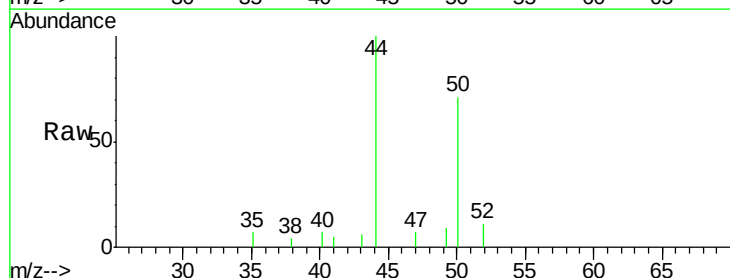
Acq: 20 Sep 2019 17:38

Tgt Ion: 50 Resp: 2095

Ion Ratio Lower Upper

50 100

52 15.4 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

1500

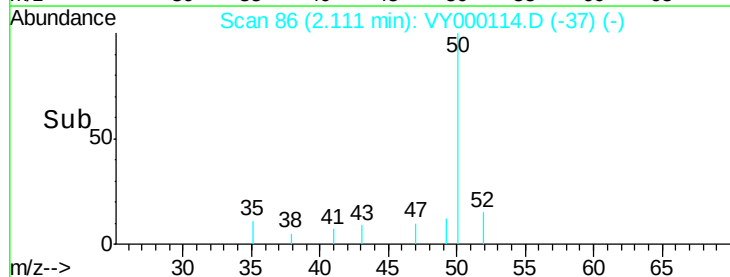
1000

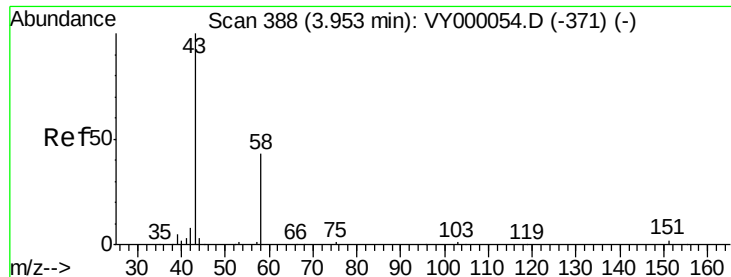
500

0

2.05 2.10 2.15

Time-->





#16

Acetone

Concen: 5.080 ug/l

RT: 3.98 min Scan# 392

Delta R.T. 0.02 min

Lab File: VY000114.D

Acq: 20 Sep 2019 17:38

Instrument :

MSVOA_Y

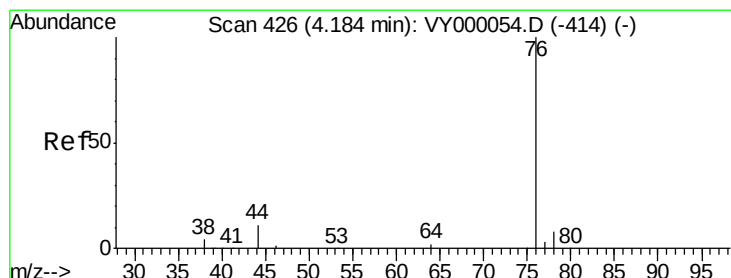
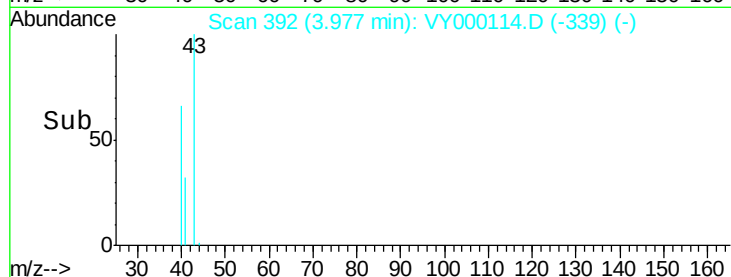
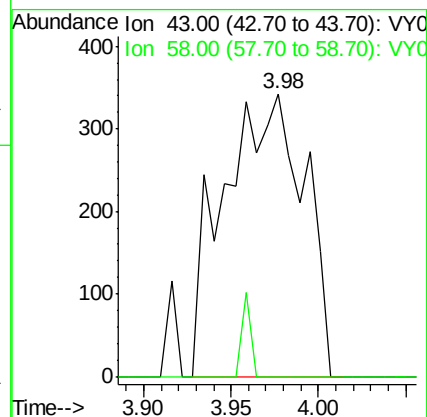
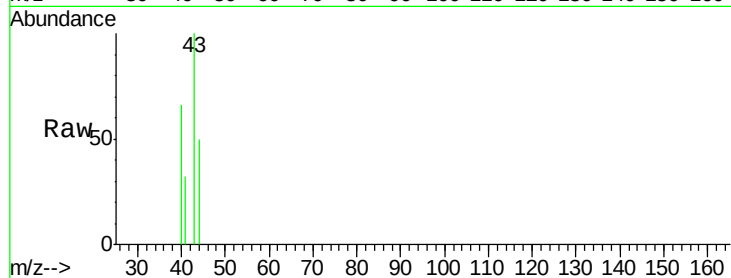
ClientSampleId :

Tot Ion: 43 Resp: 1108

Ion Ratio Lower Upper

43 100

58 0.0 34.5 51.7#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 428

Delta R.T. 0.01 min

Lab File: VY000114.D

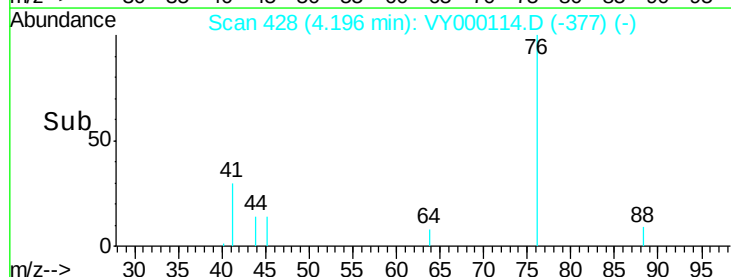
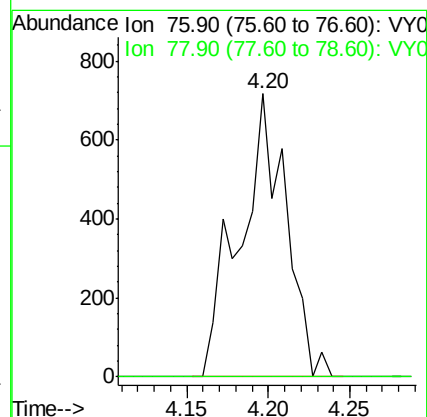
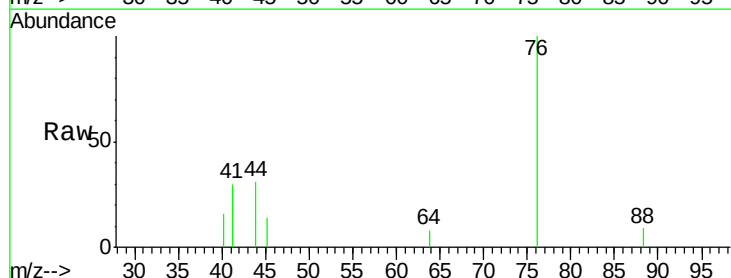
Acq: 20 Sep 2019 17:38

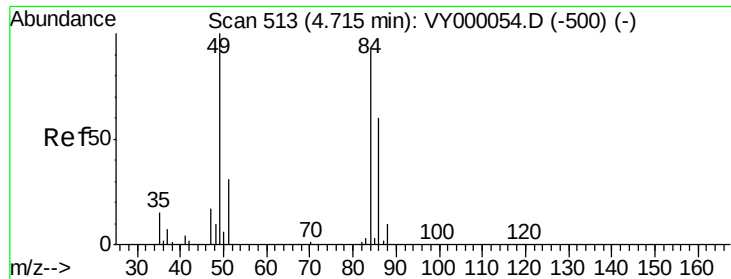
Tgt Ion: 76 Resp: 1414

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#

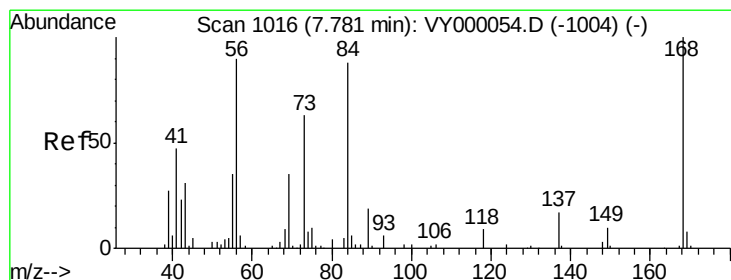
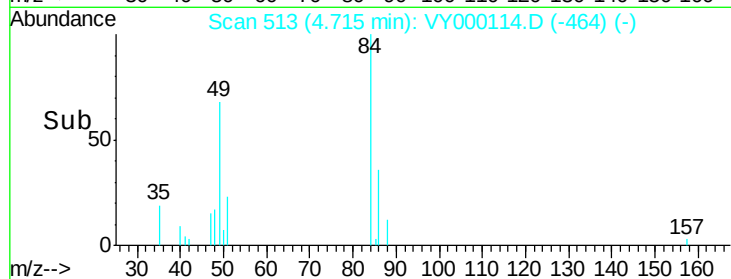
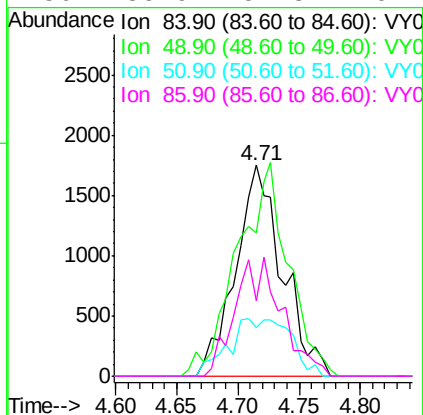
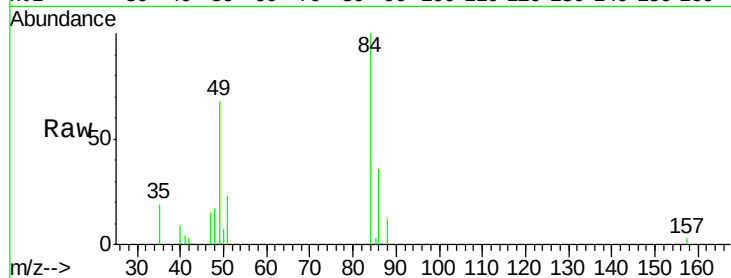




#20
Methvlene Chloride
Concen: 4.529 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000114.D
Acq: 20 Sep 2019 17:38

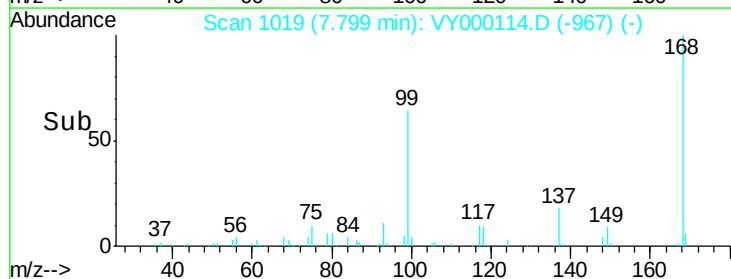
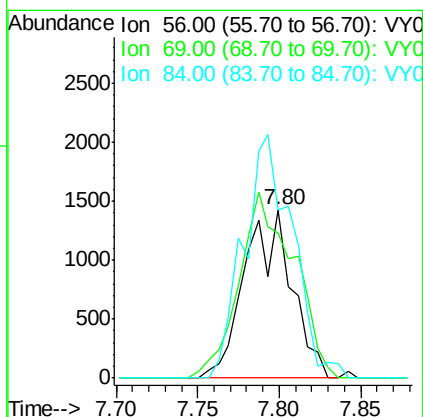
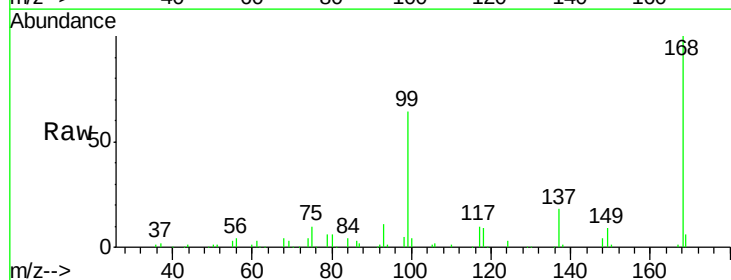
Instrument :
MSVOA_Y
ClientSampled :

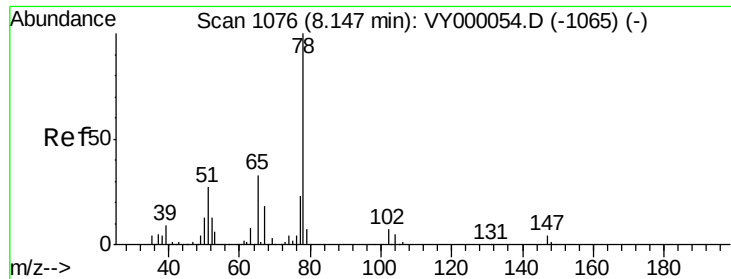
Tot Ion: 84 Resp: 4647
Ion Ratio Lower Upper
84 100
49 68.2 87.4 131.0#
51 23.0 27.2 40.8#
86 35.9 52.8 79.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.80 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VY000114.D
Acq: 20 Sep 2019 17:38

Tgt Ion: 56 Resp: 2865
Ion Ratio Lower Upper
56 100
69 86.2 30.9 46.3#
84 99.8 78.5 117.7

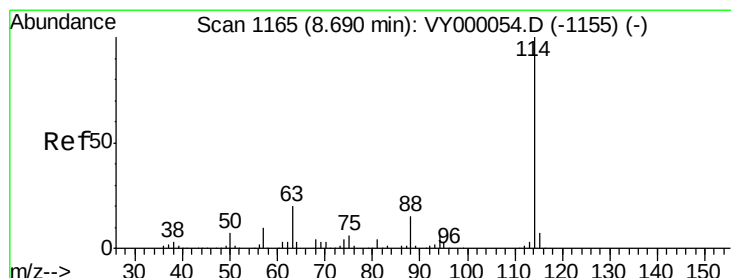
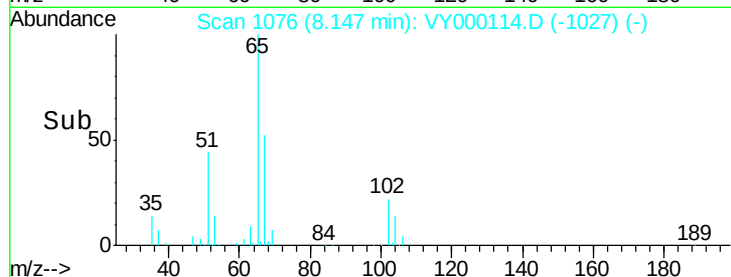
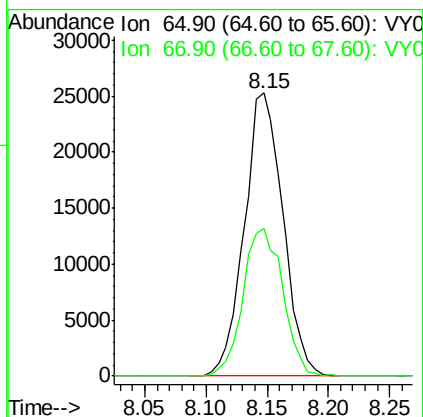
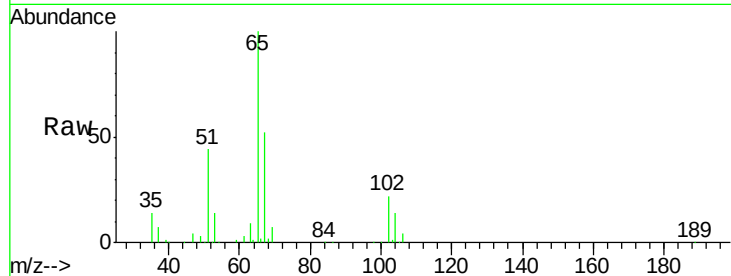




#33
 1,2-Dichloroethane-d4
 Concen: 59.378 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000114.D
 Acq: 20 Sep 2019 17:38

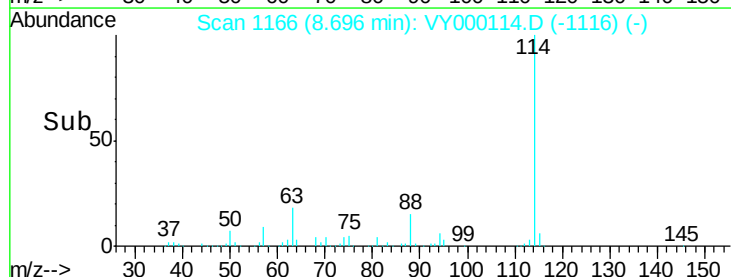
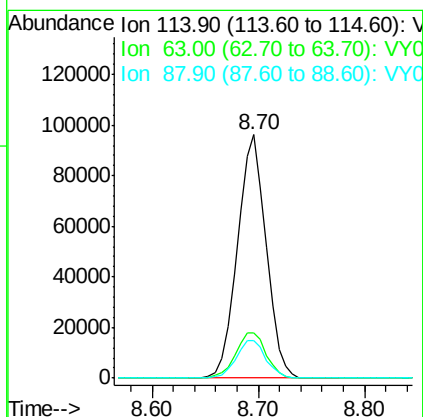
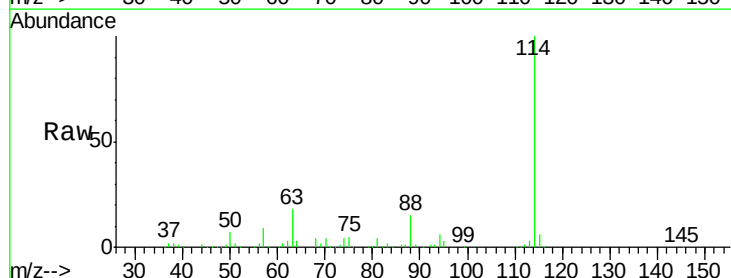
Instrument :
 MSVOA_Y
 ClientSampled :

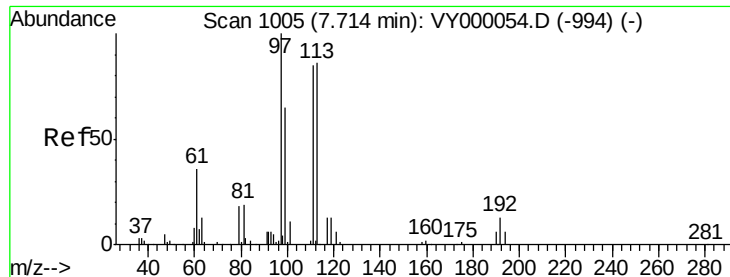
Tot Ion: 65 Resp: 55620
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VY000114.D
 Acq: 20 Sep 2019 17:38

Tgt Ion: 114 Resp: 181828
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.4
 88 15.4 0.0 30.2

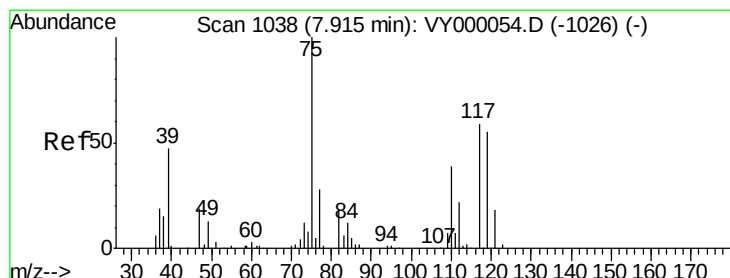
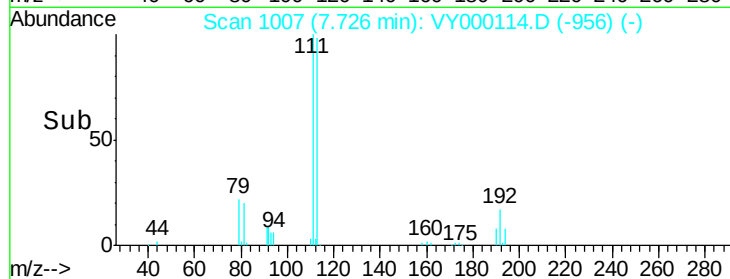
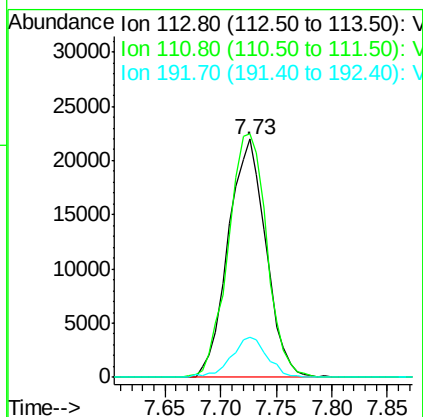
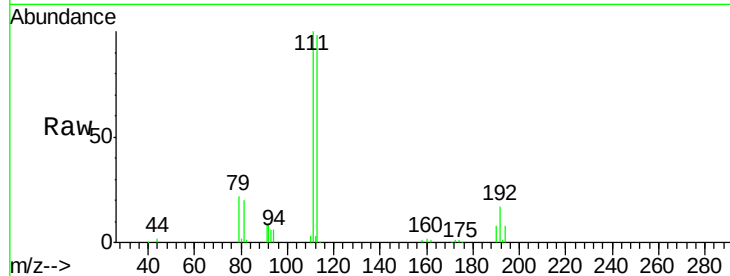




#35
 Dibromofluoromethane
 Concen: 46.871 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000114.D
 Acq: 20 Sep 2019 17:38

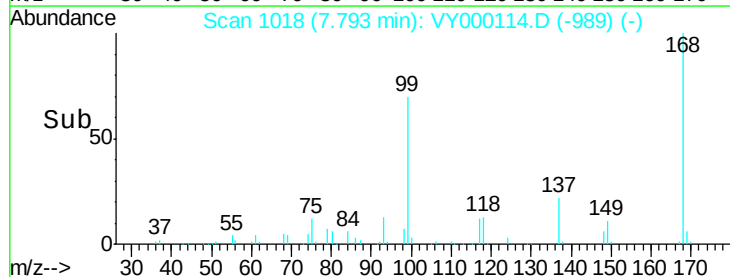
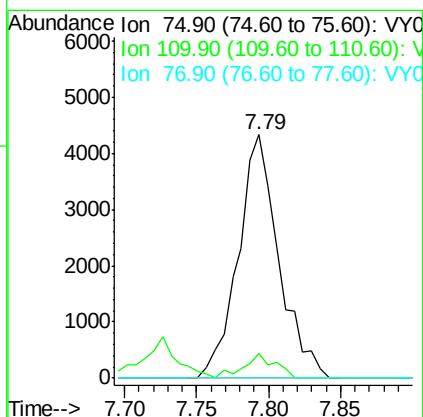
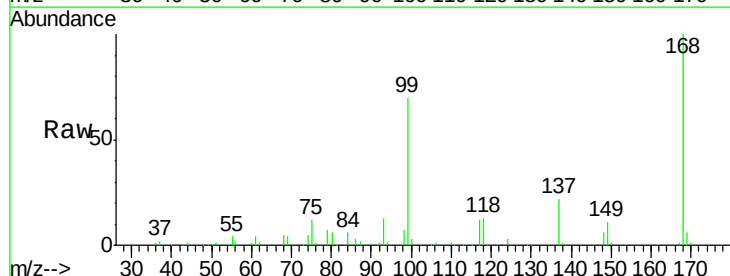
Instrument :
 MSVOA_Y
 ClientSampleId :

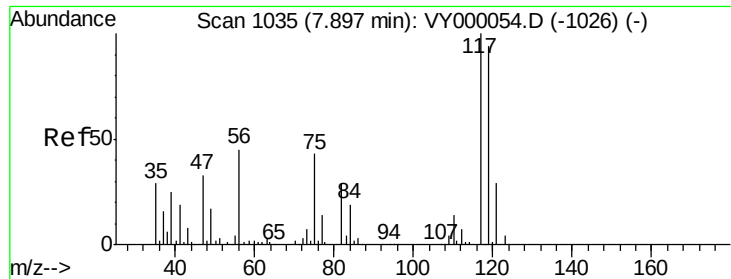
Tot Ion:113 Resp: 51601
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.7 122.5
 192 15.9 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.203 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000114.D
 Acq: 20 Sep 2019 17:38

Tgt Ion: 75 Resp: 8434
 Ion Ratio Lower Upper
 75 100
 110 7.4 19.6 58.7#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.376 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000114.D

Acq: 20 Sep 2019 17:38

Instrument :

MSVOA_Y

ClientSampleId :

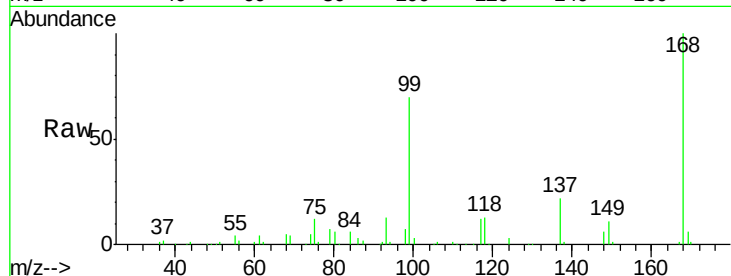
Tot Ion:117 Resp: 9465

Ion Ratio Lower Upper

117 100

119 2.6 75.0 112.6#

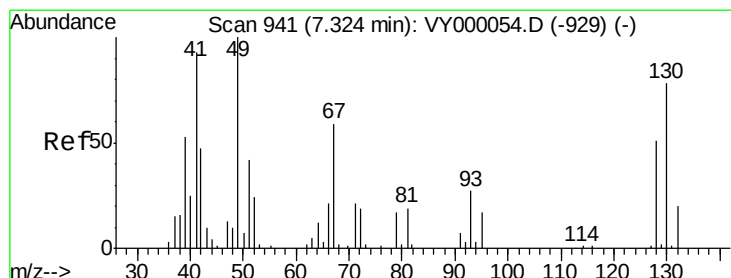
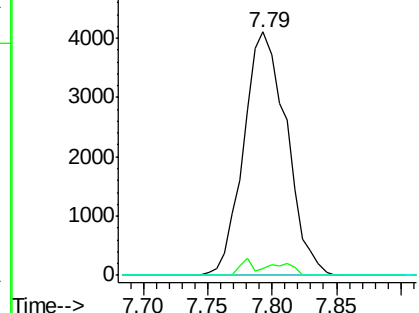
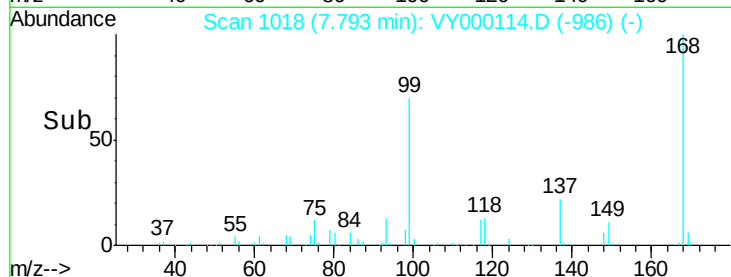
121 0.0 22.8 34.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 4.351 ug/l

RT: 7.34 min Scan# 943

Delta R.T. 0.01 min

Lab File: VY000114.D

Acq: 20 Sep 2019 17:38

Tgt Ion: 41 Resp: 33

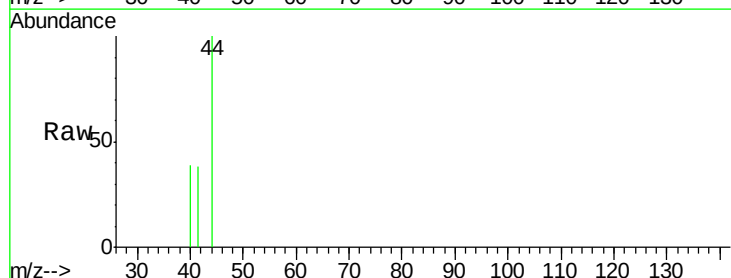
Ion Ratio Lower Upper

41 100

39 0.0 91.8 137.6#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

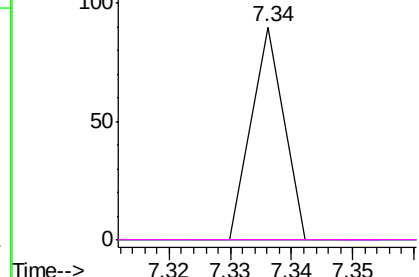
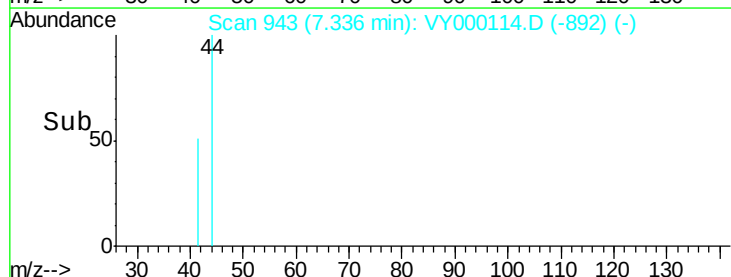


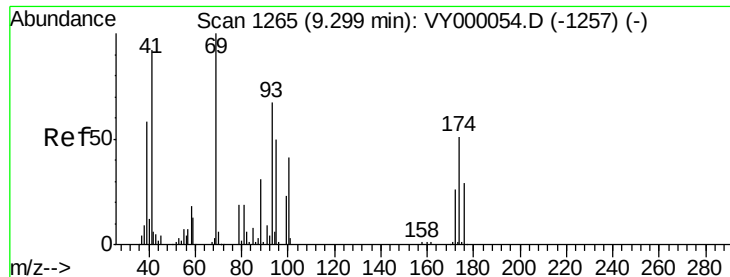
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

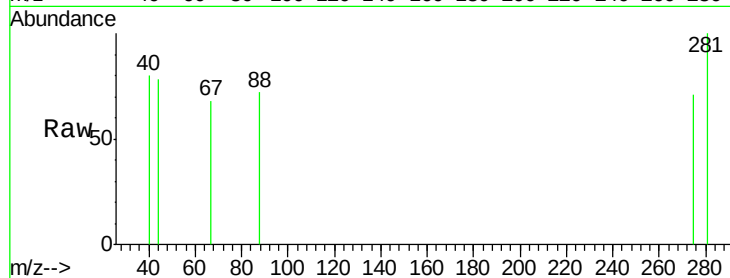




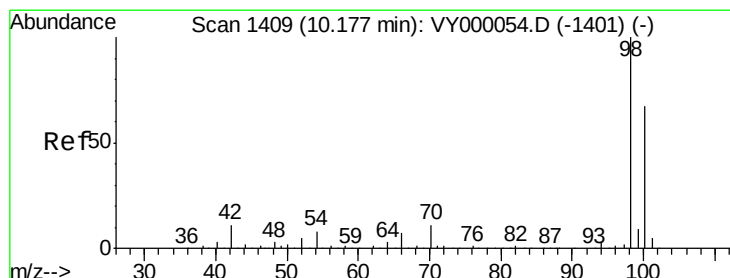
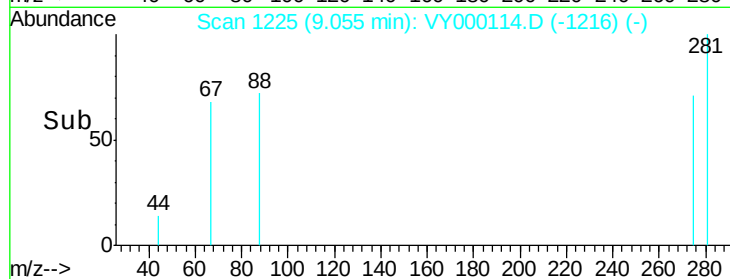
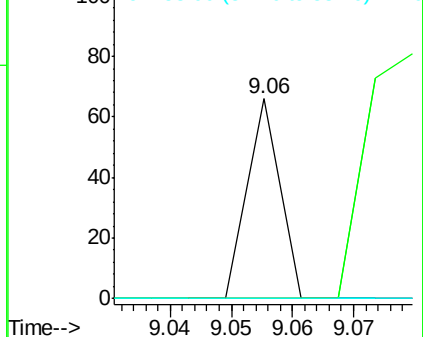
#49
1,4-Dioxane
Concen: 1.945 ug/l
RT: 9.06 min Scan# 1225
Delta R.T. -0.24 min
Lab File: VY000114.D
Acq: 20 Sep 2019 17:38

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 18.7 28.1#
58 0.0 53.0 79.6#

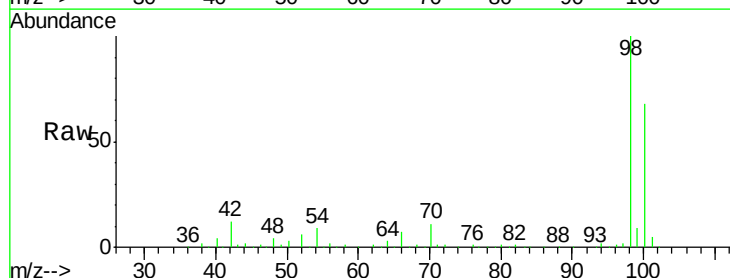


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

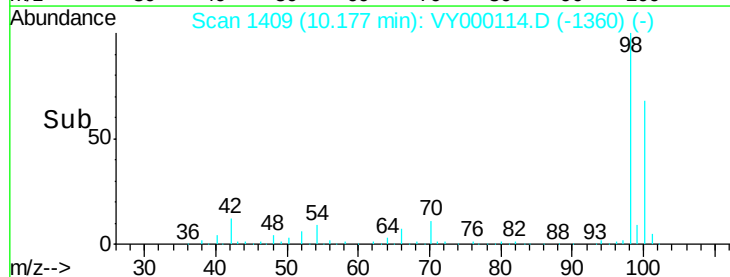
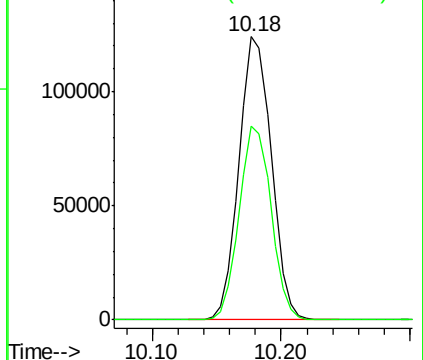


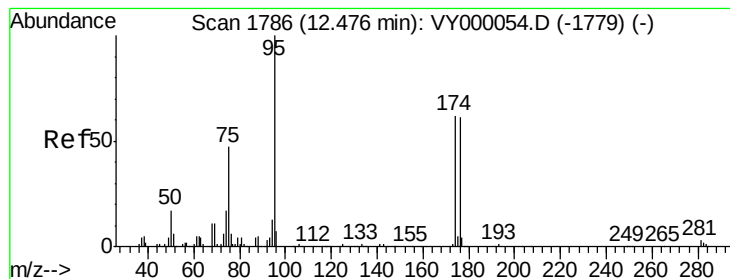
#50
Toluene-d8
Concen: 49.950 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000114.D
Acq: 20 Sep 2019 17:38

Tgt Ion: 98 Resp: 215988
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 40.953 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000114.D

Acq: 20 Sep 2019 17:38

Instrument :

MSVOA_Y

ClientSampleId :

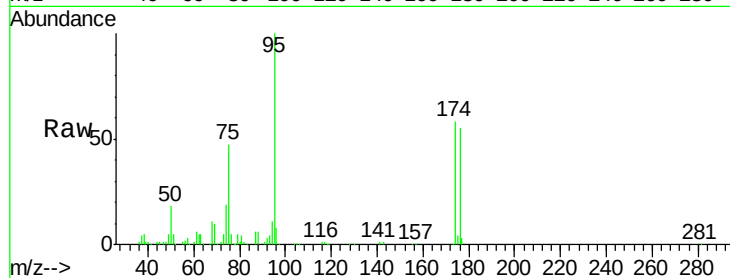
Tot Ion: 95 Resp: 65746

Ion Ratio Lower Upper

95 100

174 61.9 0.0 137.2

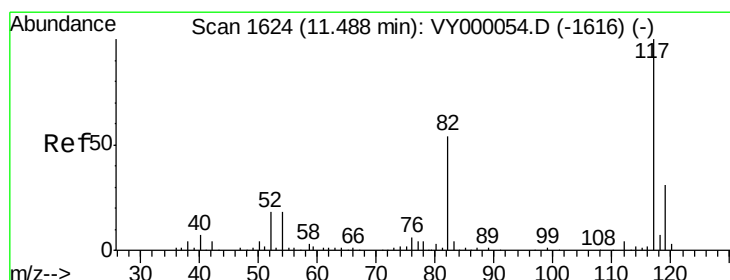
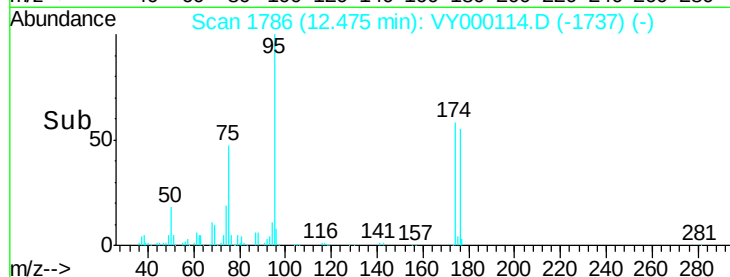
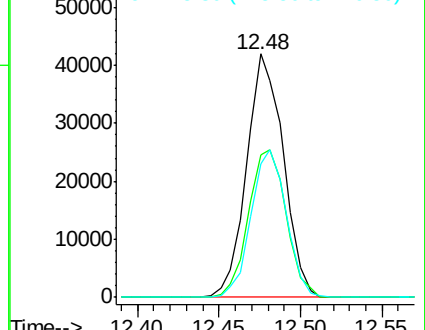
176 58.2 0.0 135.0



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: VY000114.D

Acq: 20 Sep 2019 17:38

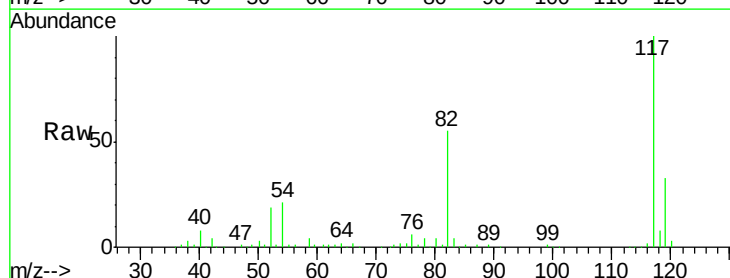
Tgt Ion: 117 Resp: 149919

Ion Ratio Lower Upper

117 100

82 55.4 43.5 65.3

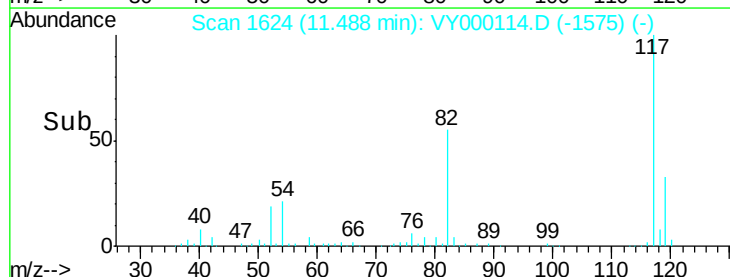
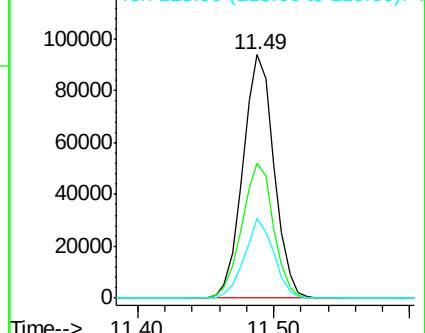
119 33.0 24.6 36.8

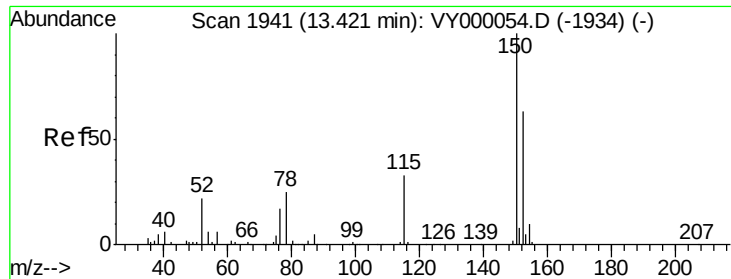


Abundance Ion 116.90 (116.60 to 117.60): VY000054.D (-1616) (-)

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: VY000114.D

Acq: 20 Sep 2019 17:38

Instrument :

MSVOA_Y

ClientSampleId :

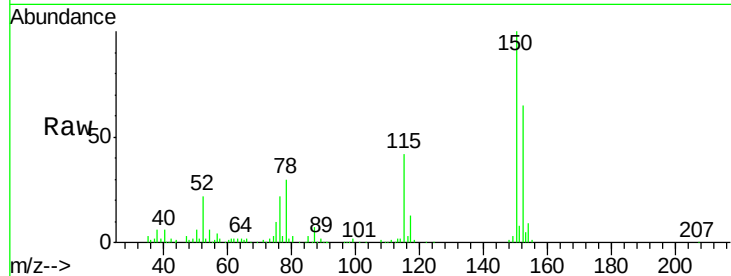
Tot Ion:152 Resp: 50546

Ion Ratio Lower Upper

152 100

115 65.7 30.7 92.1

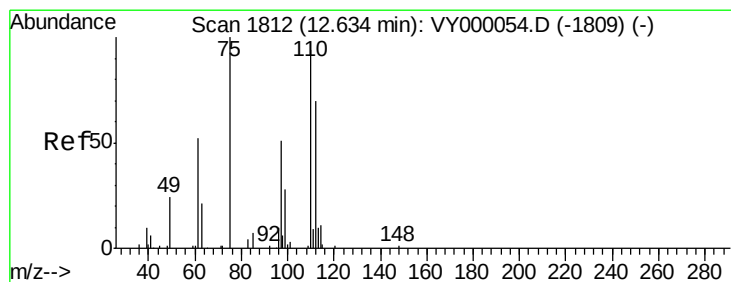
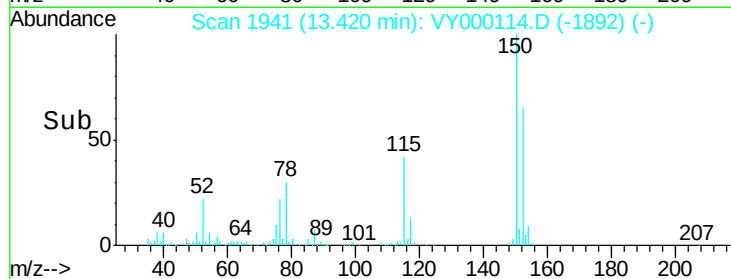
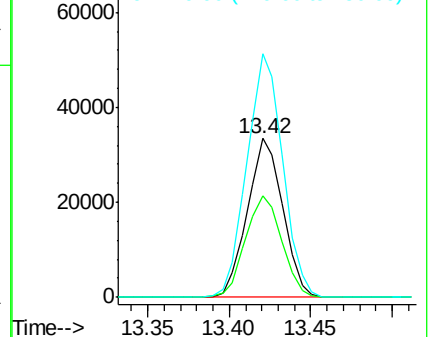
150 155.0 0.0 351.6



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: 46.198 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.15 min

Lab File: VY000114.D

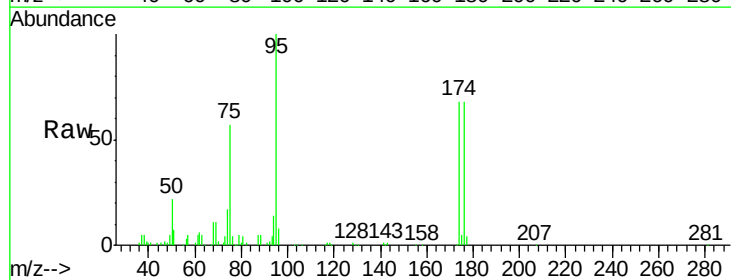
Acq: 20 Sep 2019 17:38

Tgt Ion: 75 Resp: 32855

Ion Ratio Lower Upper

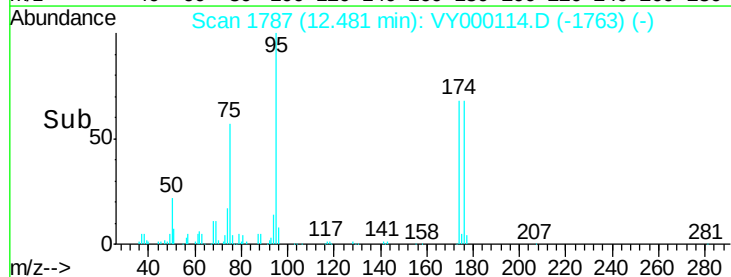
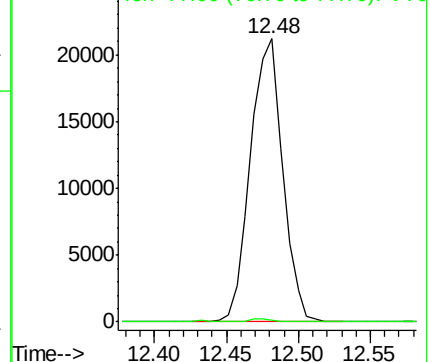
75 100

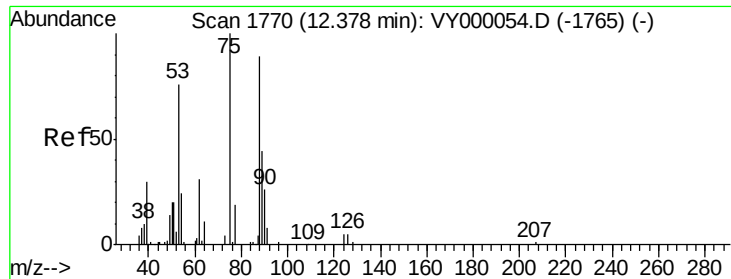
77 0.8 0.0 0.0#



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: 88.850 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.10 min

Lab File: VY000114.D

Acq: 20 Sep 2019 17:38

Instrument :

MSVOA_Y

ClientSampleId :

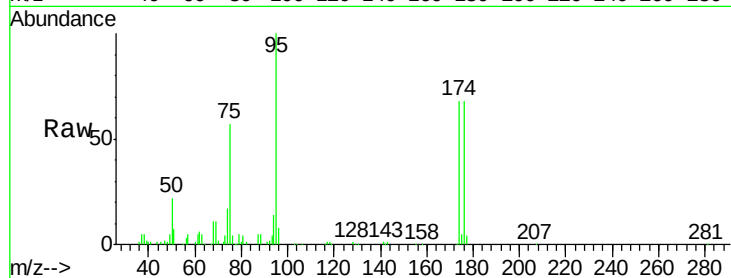
Tot Ion: 75 Resp: 32855

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#



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

