

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000110.D
 Acq On : 20 Sep 2019 16:05
 Operator : SY/MD
 Sample : K4878-14RE
 Misc : 5.26g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:48:35 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	7.79	168	84264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	173654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	122568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	31515	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	48781	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.72	113	48023	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	
50) Toluene-d8	10.18	98	203482	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.48	95	46881	30.58	ug/l	0.00
Spiked Amount			Recovery	=	61.16%	

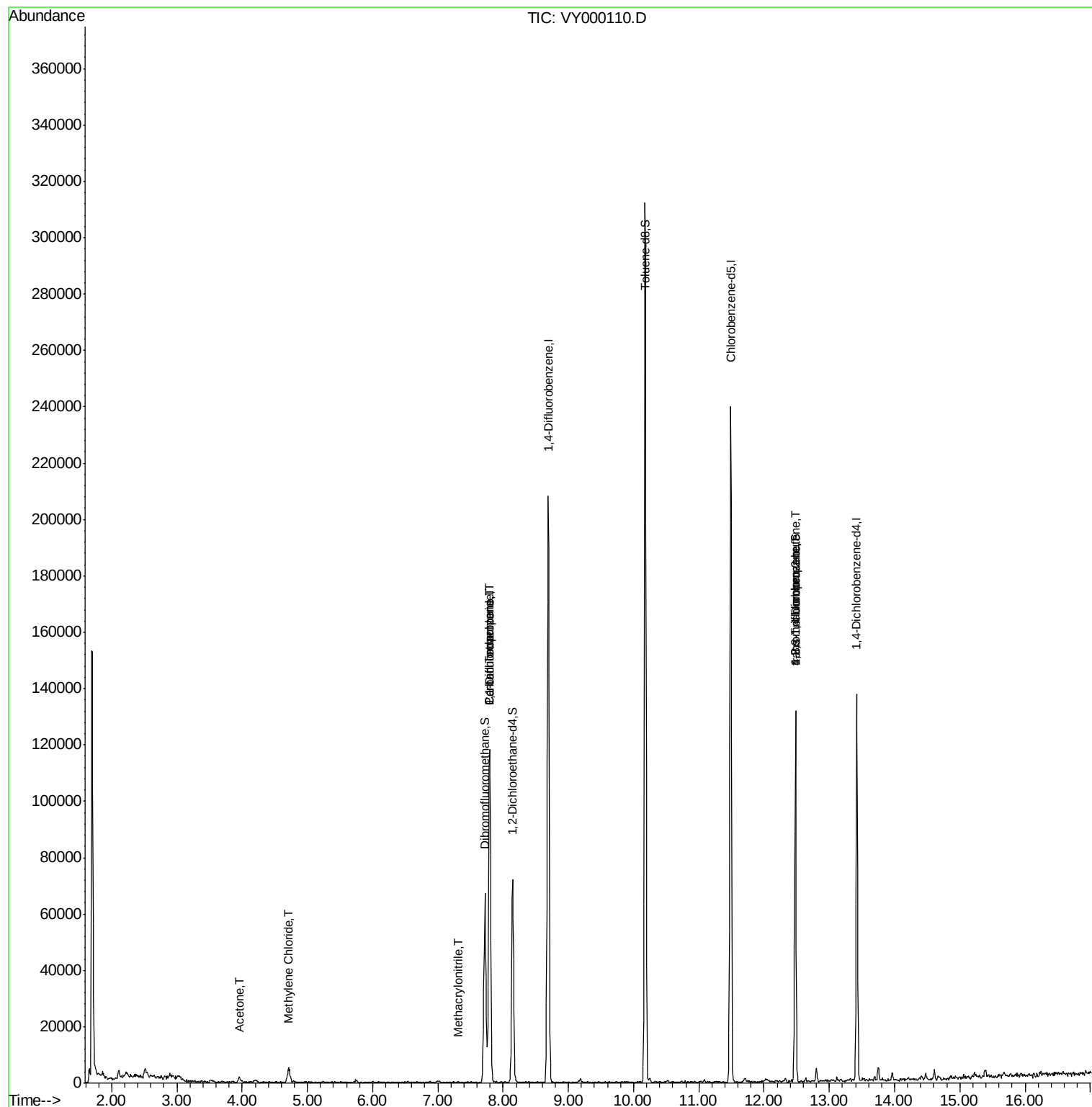
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.06	85	21	Below Cal	#	42
3) Chloromethane	2.11	50	2105	Below Cal		93
5) Bromomethane	2.72	94	82	Below Cal	#	6
13) Acrolein	3.72	56	29	Below Cal	#	1
16) Acetone	3.95	43	2833	12.551	ug/l	89
17) Carbon Disulfide	4.18	76	973	Below Cal	#	77
20) Methylene Chloride	4.71	84	3794	3.573	ug/l	90
31) Cyclohexane	7.78	56	2509	Below Cal	#	6
36) 1,1-Dichloropropene	7.80	75	7838	6.036	ug/l #	48
38) Carbon Tetrachloride	7.79	117	8940	7.295	ug/l #	13
41) Methacrylonitrile	7.32	41	21	4.337	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	23180	52.276	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	23180	100.540	ug/l #	19

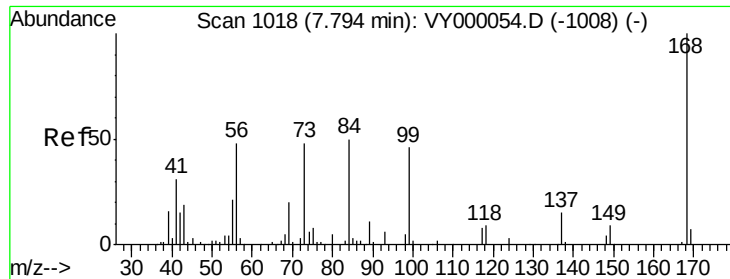
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA_Y

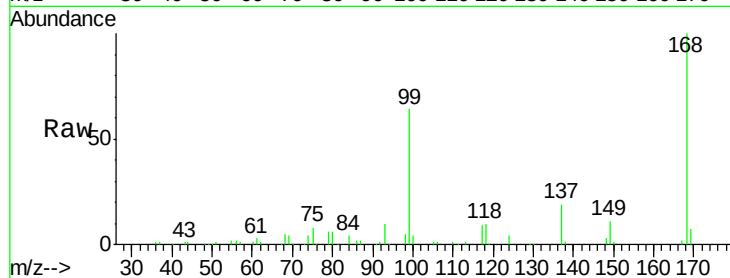
ClientSampleId :

Tot Ion:168 Resp: 84264

Ion Ratio Lower Upper

168 100

99 63.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000110.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000110.D (-969) (-)

7.79

40000

30000

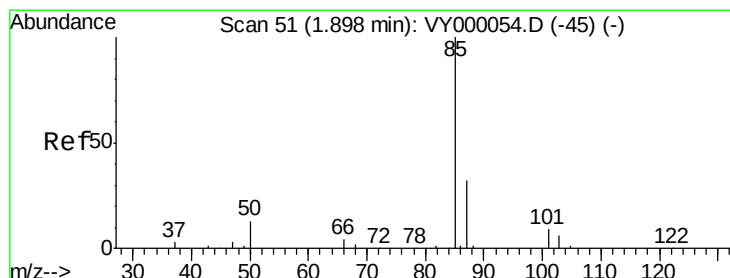
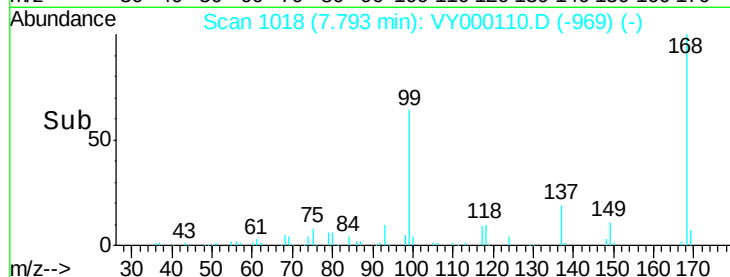
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.06 min Scan# 77

Delta R.T. 0.16 min

Lab File: VY000110.D

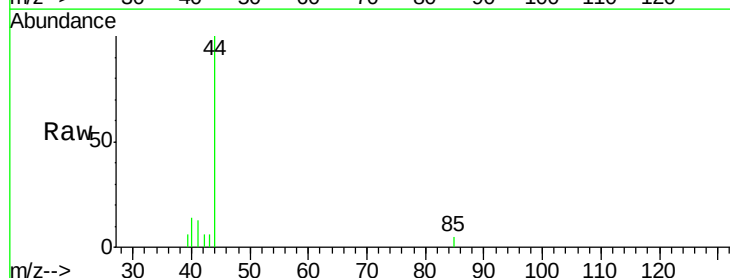
Acq: 20 Sep 2019 16:05

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000110.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000110.D (-2) (-)

2.06

60

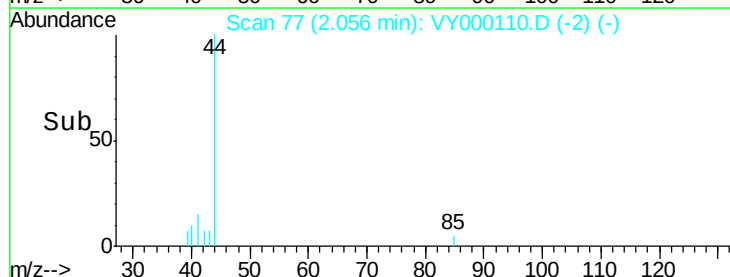
40

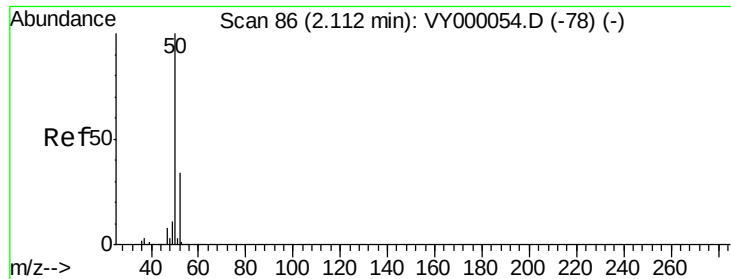
20

0

2.04 2.05 2.06 2.07

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

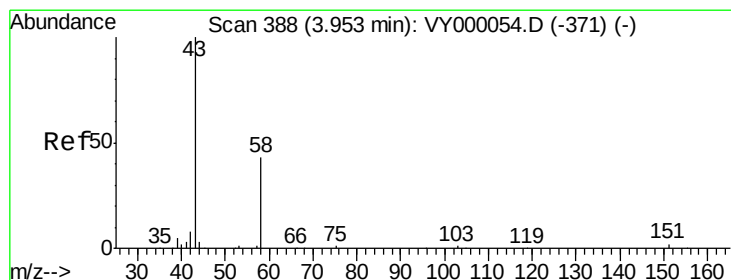
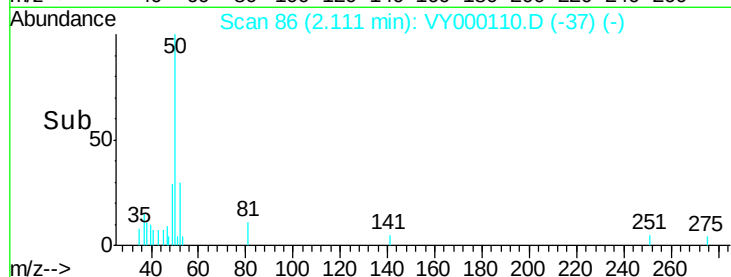
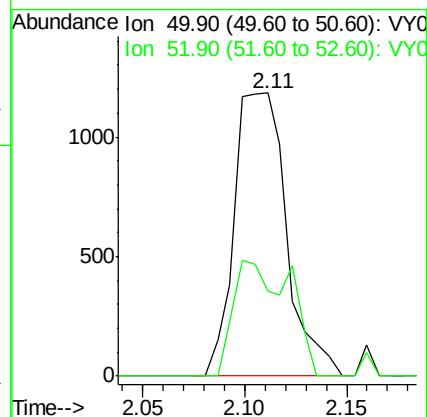
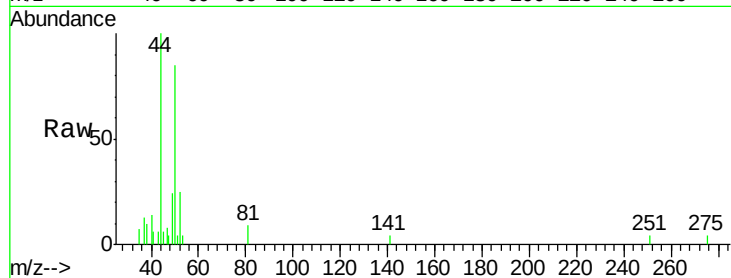
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 50 Resp: 2105

Ion Ratio Lower Upper

50 100

52 29.9 27.3 40.9



#16

Acetone

Concen: 12.551 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000110.D

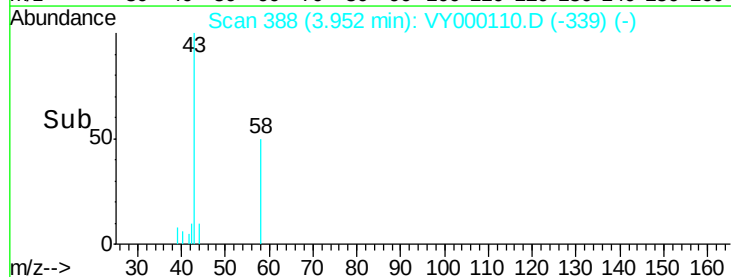
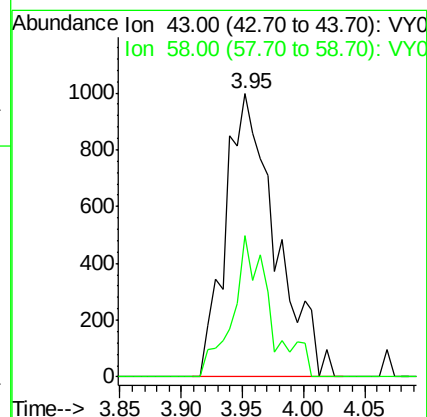
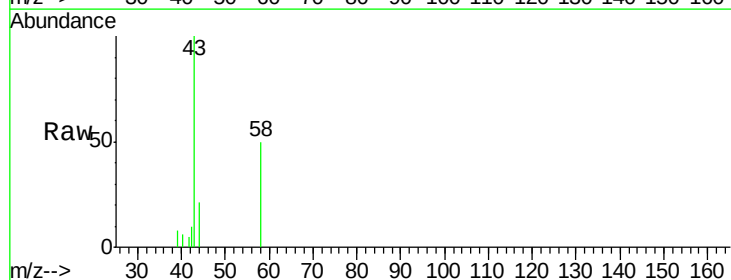
Acq: 20 Sep 2019 16:05

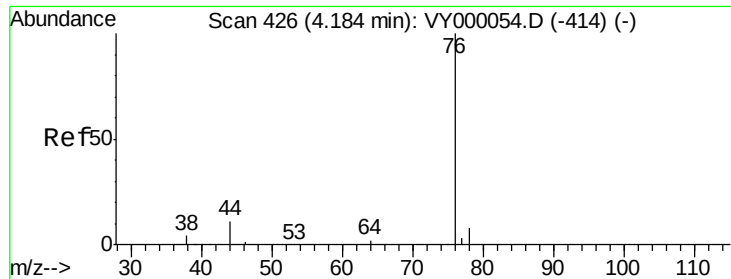
Tgt Ion: 43 Resp: 2833

Ion Ratio Lower Upper

43 100

58 49.9 34.5 51.7





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 426

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA_Y

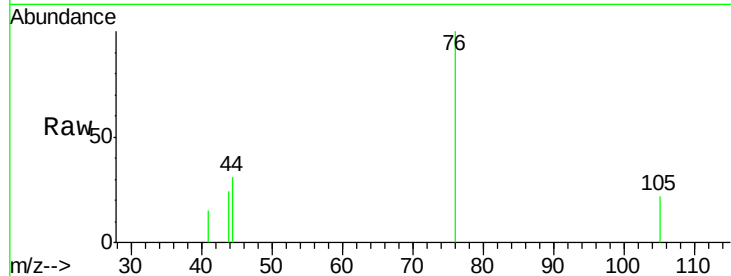
ClientSampleId :

Tot Ion: 76 Resp: 973

Ion Ratio Lower Upper

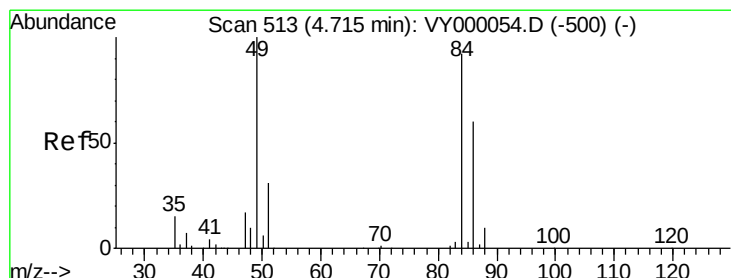
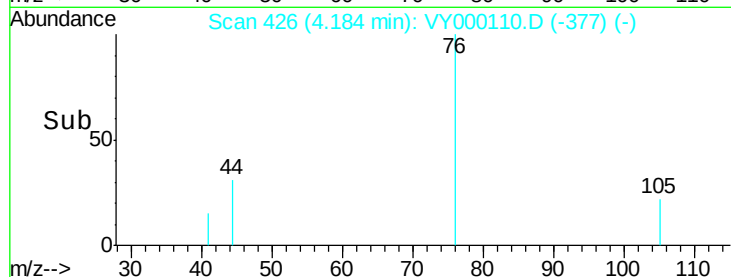
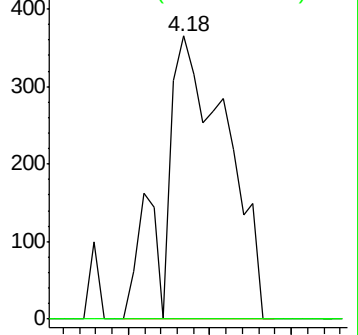
76 100

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: 3.573 ug/l

RT: 4.71 min Scan# 513

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Tgt Ion: 84 Resp: 3794

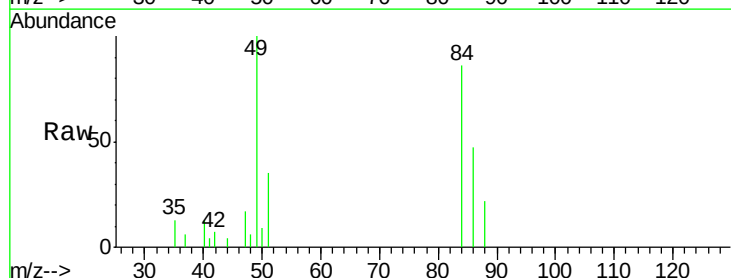
Ion Ratio Lower Upper

84 100

49 116.1 87.4 131.0

51 40.3 27.2 40.8

86 55.0 52.8 79.2

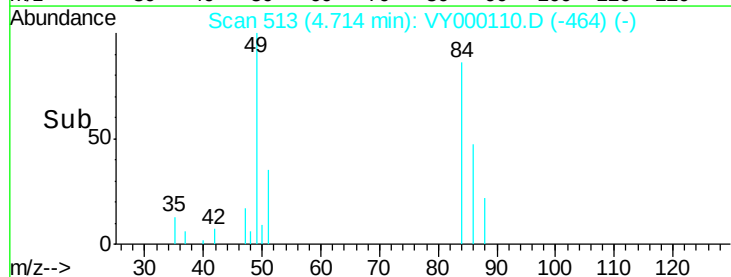
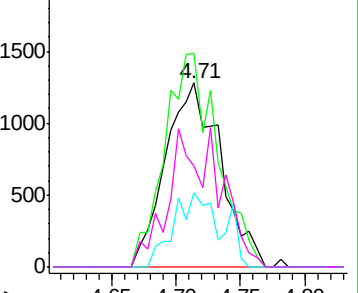


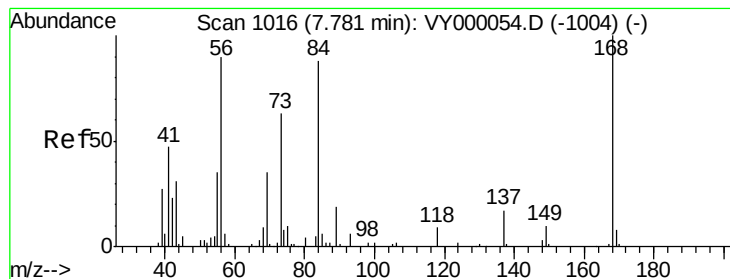
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: Below Cal

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :
MSVOA_Y
ClientSampleId :

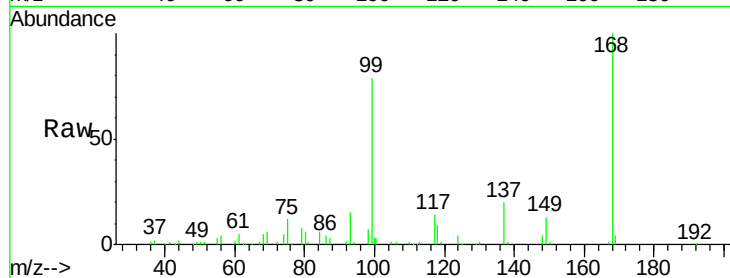
Tot Ion: 56 Resp: 2509

Ion Ratio Lower Upper

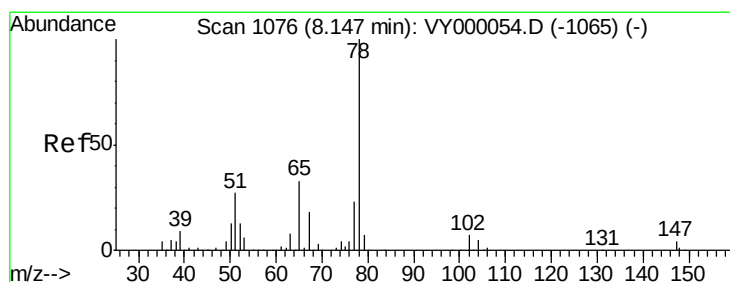
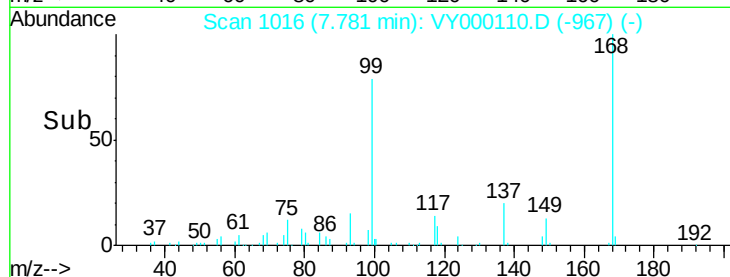
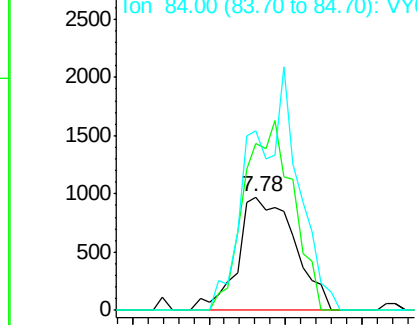
56 100

69 147.4 30.9 46.3#

84 158.2 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: 50.317 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000110.D

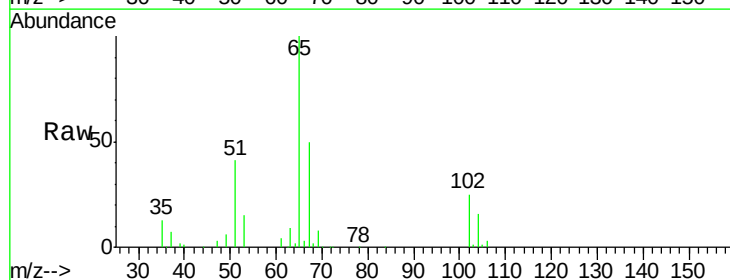
Acq: 20 Sep 2019 16:05

Tgt Ion: 65 Resp: 48781

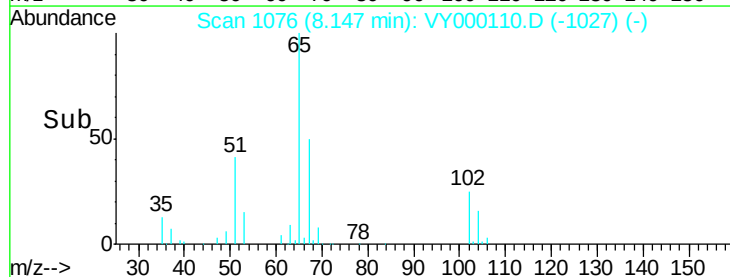
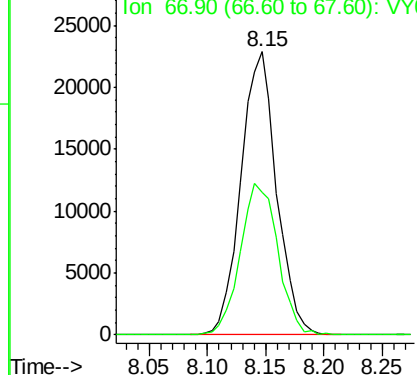
Ion Ratio Lower Upper

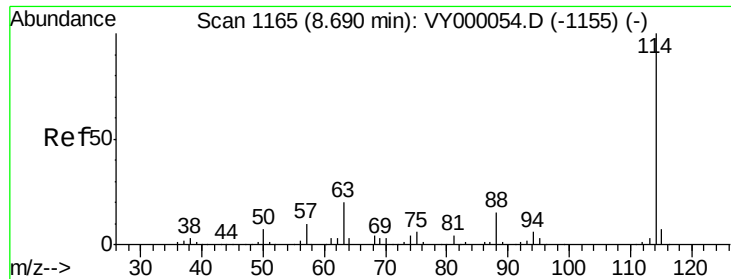
65 100

67 56.6 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: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :
MSVOA_Y
ClientSampleId :

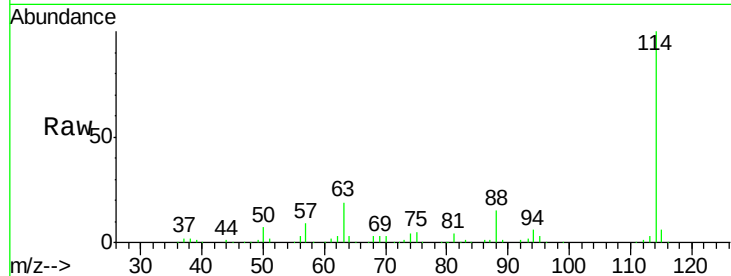
Tot Ion:114 Resp: 173654

Ion Ratio Lower Upper

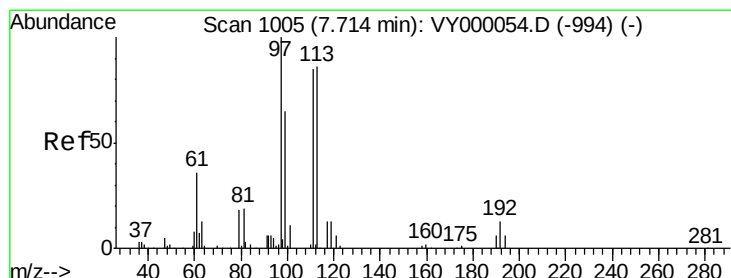
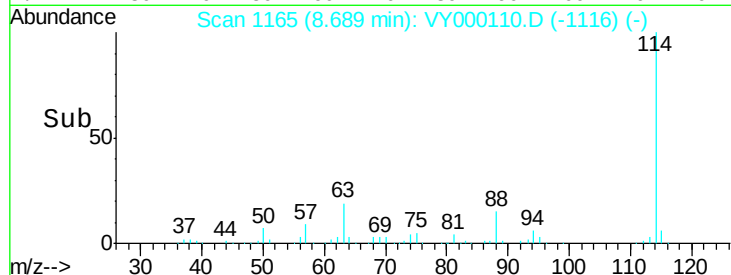
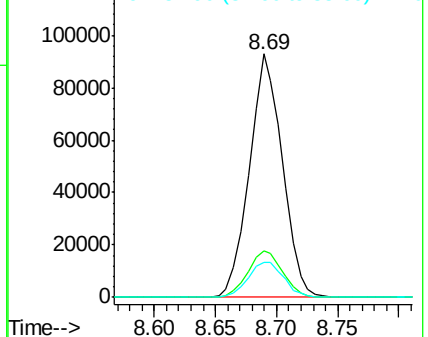
114 100

63 18.9 0.0 39.4

88 14.5 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: 45.674 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

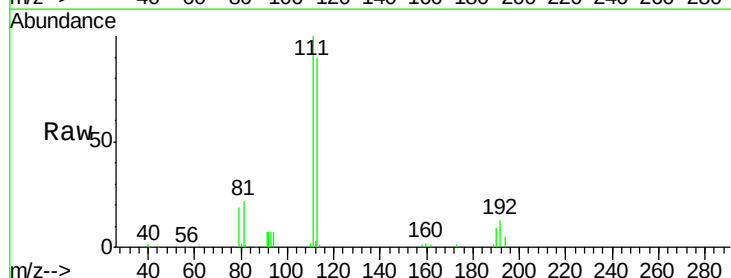
Tgt Ion:113 Resp: 48023

Ion Ratio Lower Upper

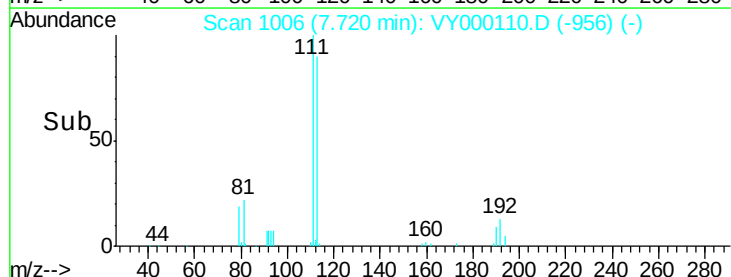
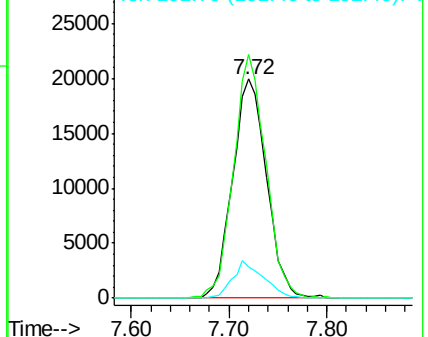
113 100

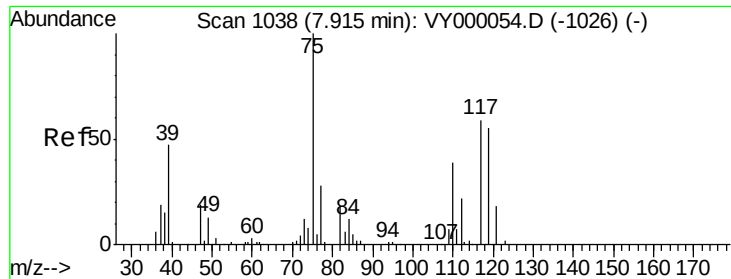
111 105.4 81.7 122.5

192 15.5 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

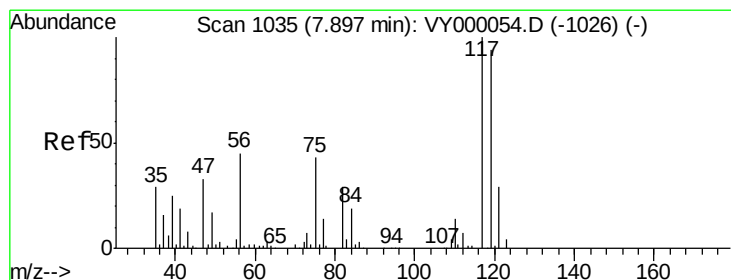
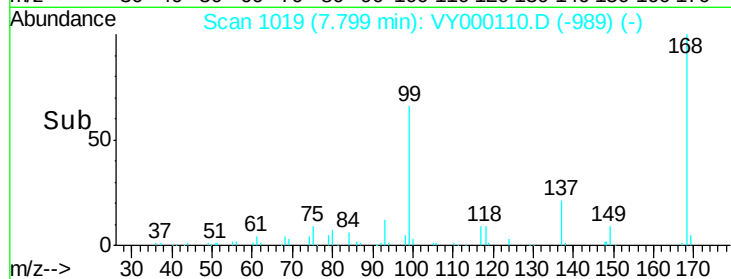
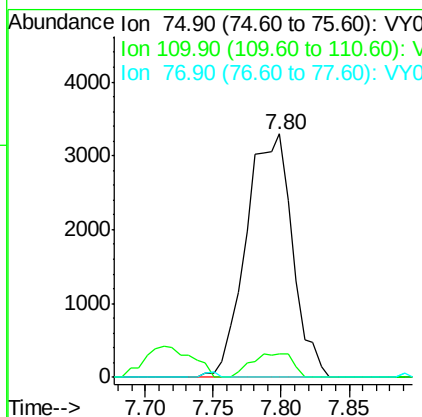
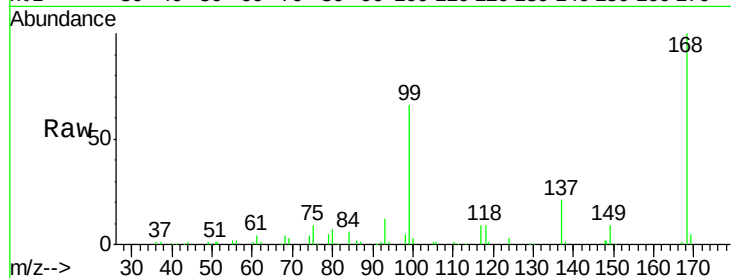




#36
 1,1-Dichloropropene
 Concen: 6.036 ug/l
 RT: 7.80 min Scan# 1019
 Delta R.T. -0.12 min
 Lab File: VY000110.D
 Acq: 20 Sep 2019 16:05

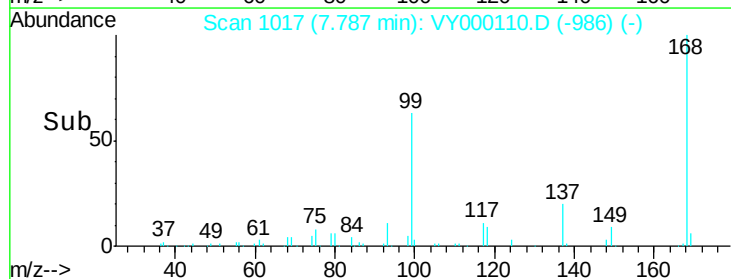
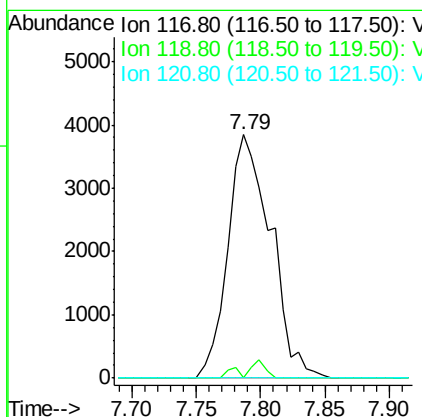
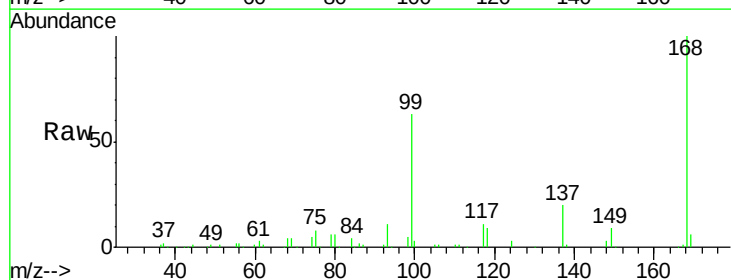
Instrument :
 MSVOA_Y
 ClientSampleId :

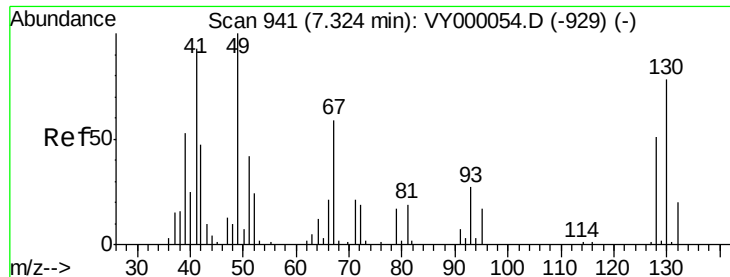
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.6	58.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.295 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000110.D
 Acq: 20 Sep 2019 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.0	112.6#
121	0.0	22.8	34.2#





#41

Methacrylonitrile

Concen: 4.337 ug/l

RT: 7.32 min Scan# 940

Delta R.T. -0.01 min

Lab File: VY000110.D

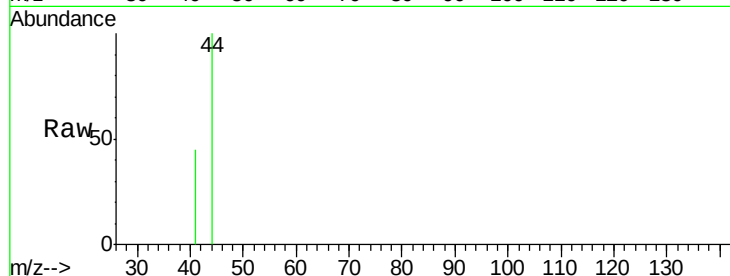
Acq: 20 Sep 2019 16:05

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:	41	Resp:	21
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

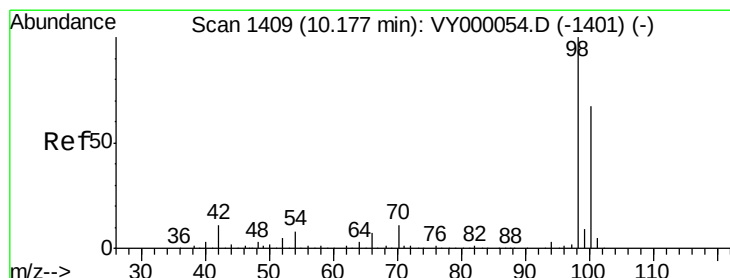
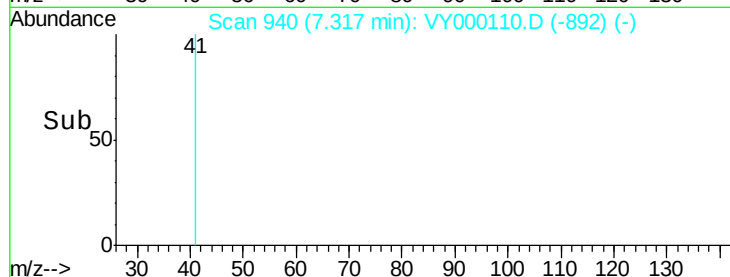
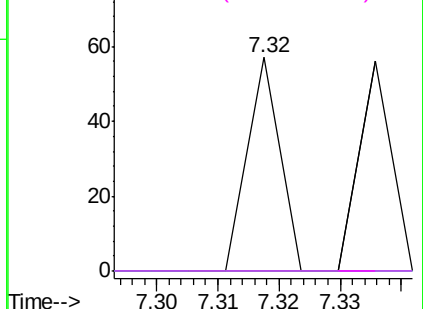


Abundance Ion 41.00 (40.70 to 41.70): VY0

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



#50

Toluene-d8

Concen: 49.273 ug/l

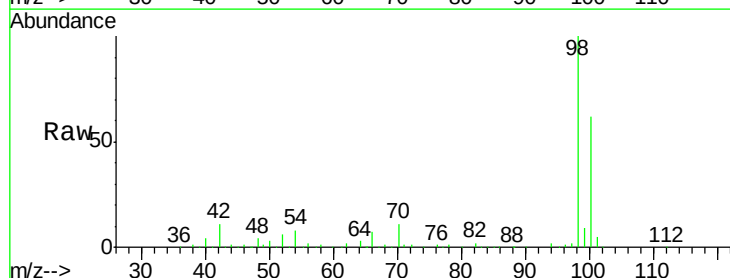
RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000110.D

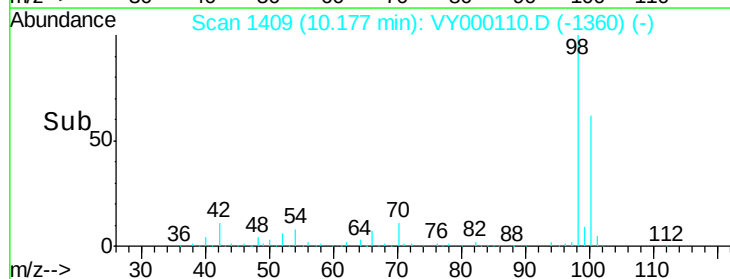
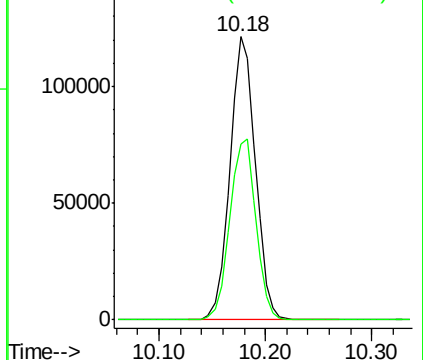
Acq: 20 Sep 2019 16:05

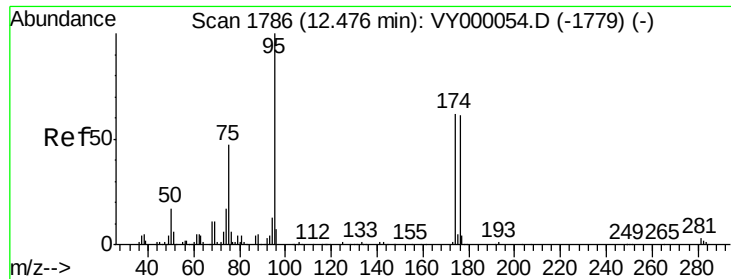
Tgt Ion:	98	Resp:	203482
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 30.576 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA_Y

ClientSampleId :

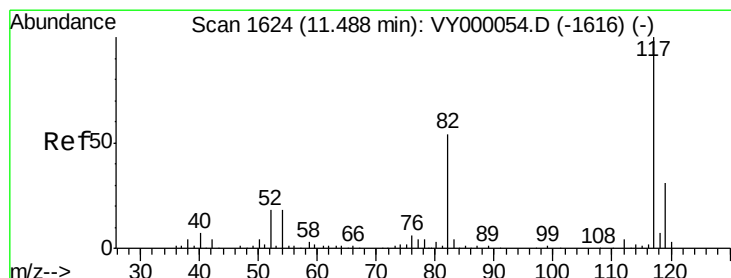
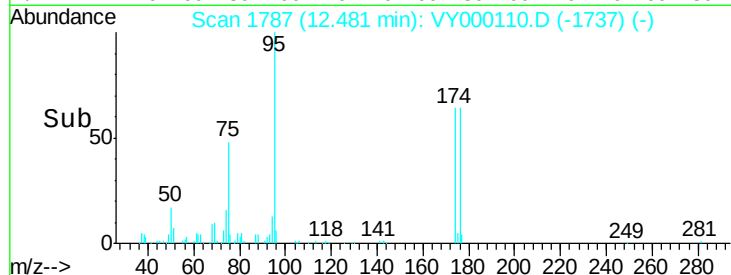
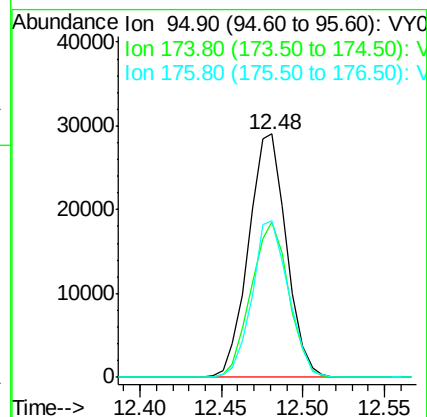
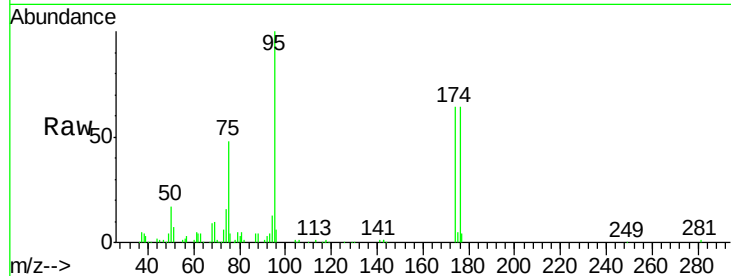
Tot Ion: 95 Resp: 46881

Ion Ratio Lower Upper

95 100

174 63.5 0.0 137.2

176 61.9 0.0 135.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

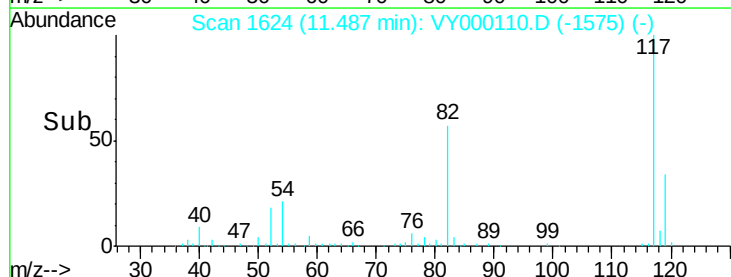
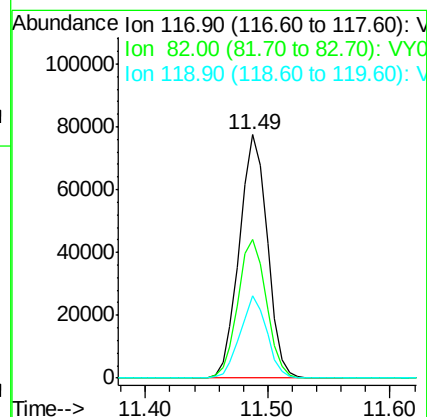
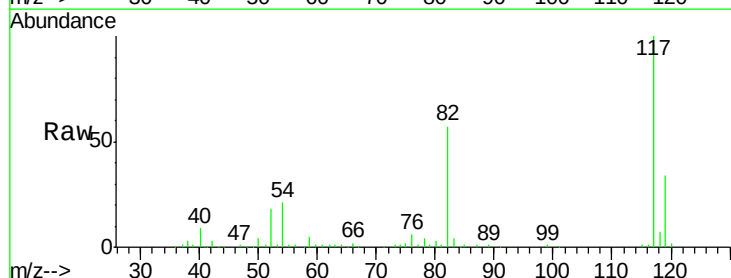
Tgt Ion: 117 Resp: 122568

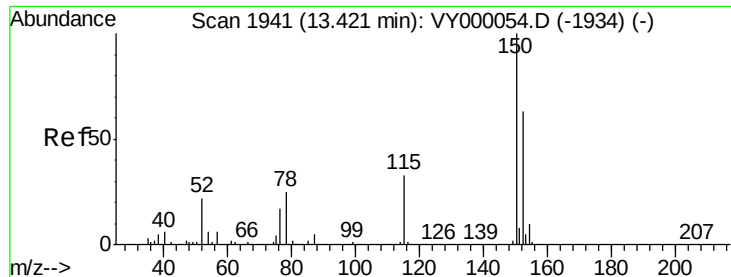
Ion Ratio Lower Upper

117 100

82 56.9 43.5 65.3

119 34.0 24.6 36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA_Y

ClientSampleId :

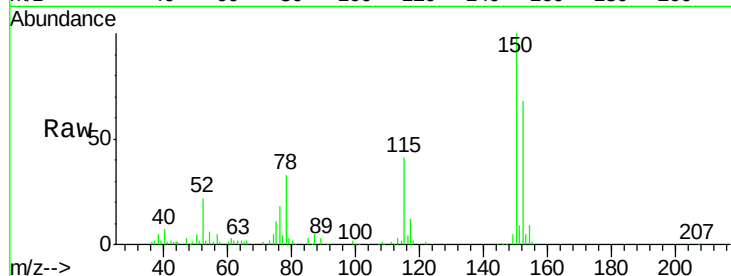
Tot Ion:152 Resp: 31515

Ion Ratio Lower Upper

152 100

115 64.6 30.7 92.1

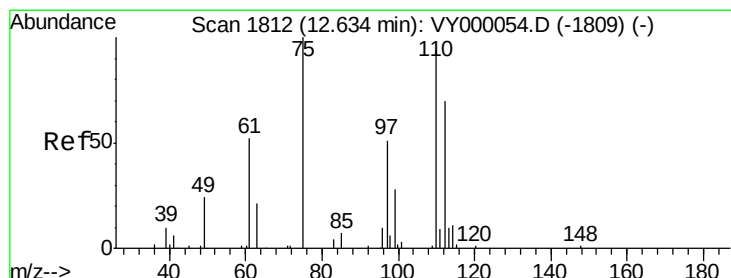
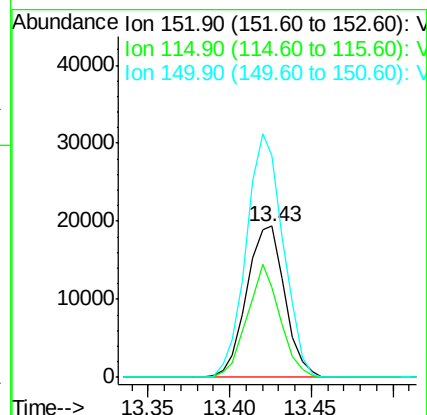
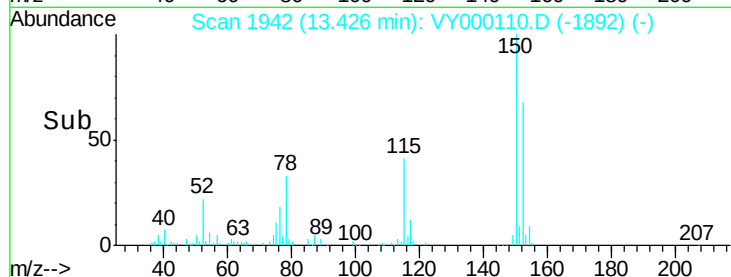
150 155.9 0.0 351.6



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: 52.276 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000110.D

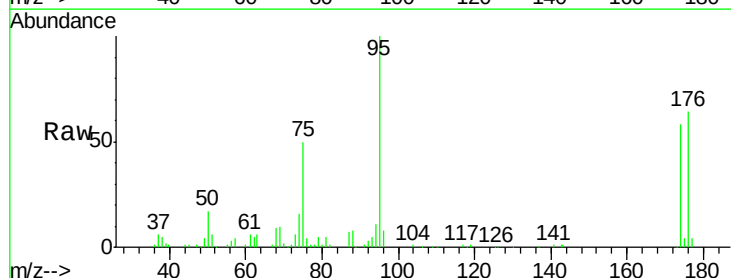
Acq: 20 Sep 2019 16:05

Tgt Ion: 75 Resp: 23180

Ion Ratio Lower Upper

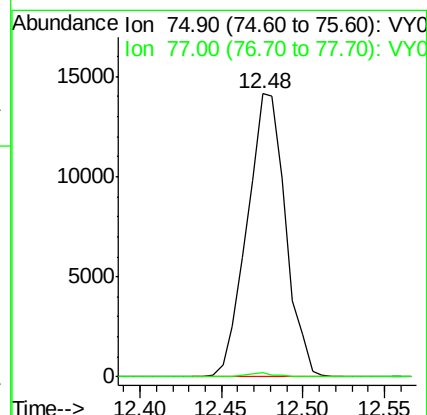
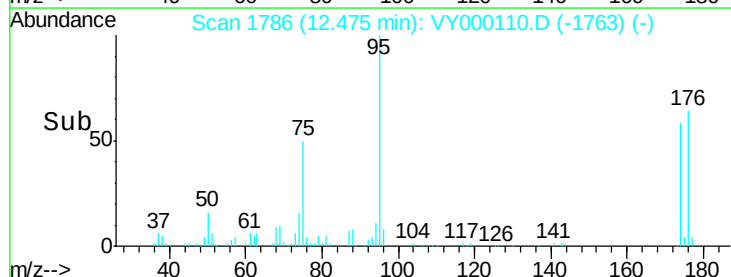
75 100

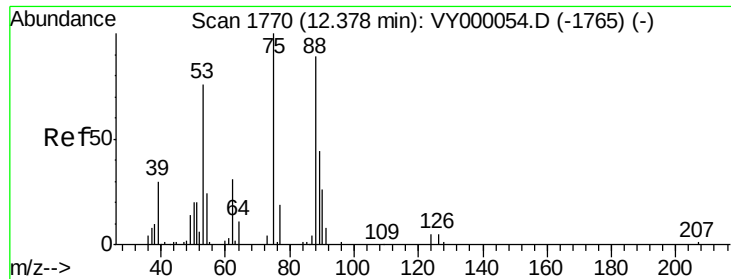
77 1.0 0.0 0.0#



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: 100.540 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000110.D

Acq: 20 Sep 2019 16:05

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 23180

Ion Ratio Lower Upper

75 100

53 0.2 60.9 91.3#

89 0.4 35.3 52.9#

