

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000120.D
 Acq On : 20 Sep 2019 19:57
 Operator : SY/MD
 Sample : K4938-05
 Misc : 5.09g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:50:31 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	83838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	182529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	151298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	58079	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	51714	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
35) Dibromofluoromethane	7.72	113	49704	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
50) Toluene-d8	10.18	98	216008	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.48	95	68926	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	

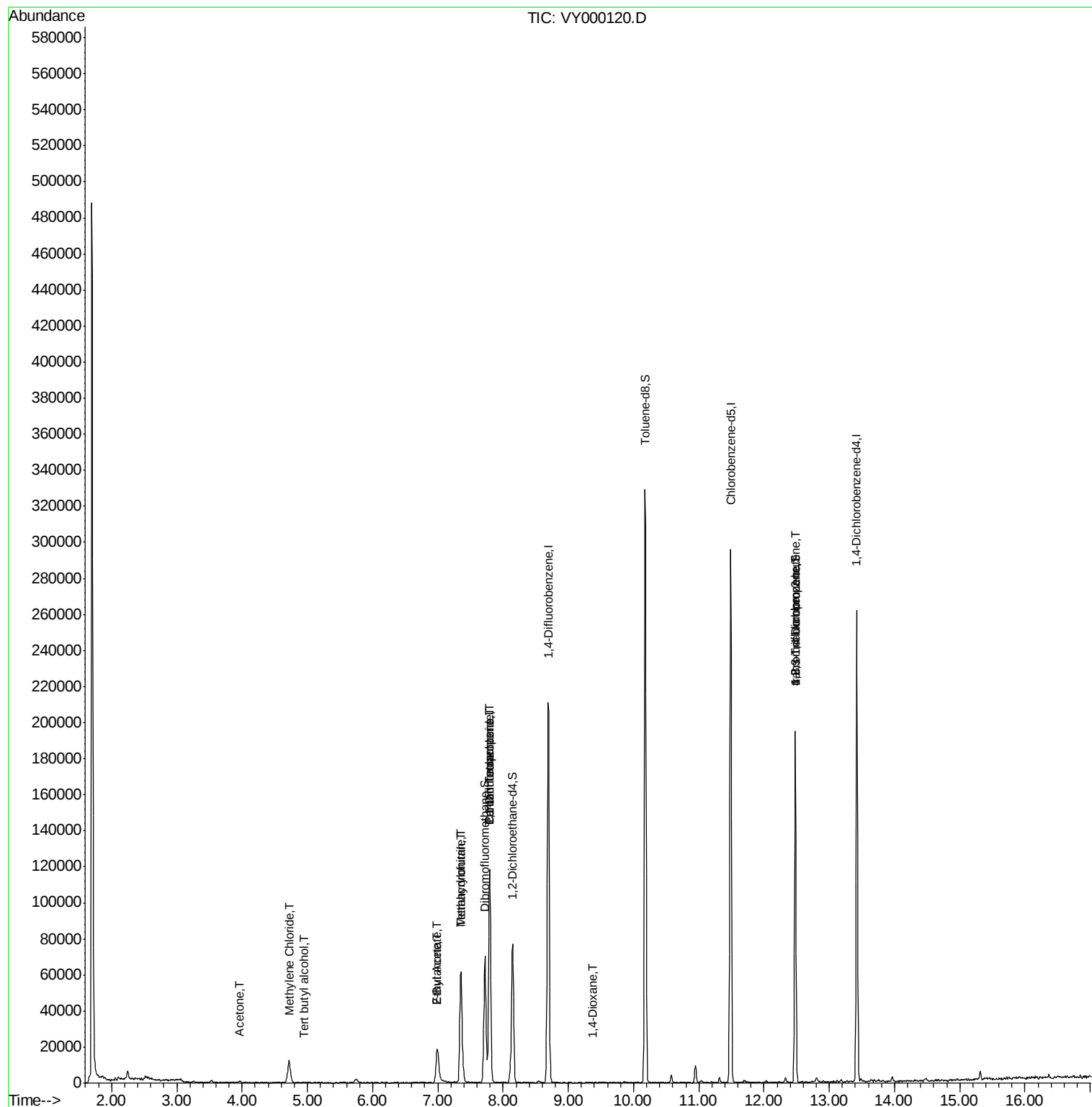
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	103	Below Cal	#	42
3) Chloromethane	2.11	50	1413	Below Cal		94
5) Bromomethane	2.89	94	27	Below Cal	#	6
11) Tert butyl alcohol	4.95	59	324	2.833	ug/l #	73
13) Acrolein	3.78	56	49	Below Cal	#	13
16) Acetone	3.96	43	984	4.381	ug/l #	74
17) Carbon Disulfide	4.29	76	40	Below Cal	#	77
20) Methylene Chloride	4.72	84	8254	7.813	ug/l #	78
25) 2-Butanone	6.99	43	1294	3.181	ug/l #	44
29) Tetrahydrofuran	7.35	42	48399	198.196	ug/l	98
31) Cyclohexane	7.79	56	2269	Below Cal	#	41
36) 1,1-Dichloropropene	7.80	75	8622	6.317	ug/l #	45
37) Ethyl Acetate	6.99	43	1294	1.422	ug/l #	19
38) Carbon Tetrachloride	7.79	117	9461	7.345	ug/l #	19
41) Methacrylonitrile	7.35	41	24879	38.514	ug/l #	35
49) 1,4-Dioxane	9.37	88	27	2.180	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	35188	43.061	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	35188	82.817	ug/l #	19

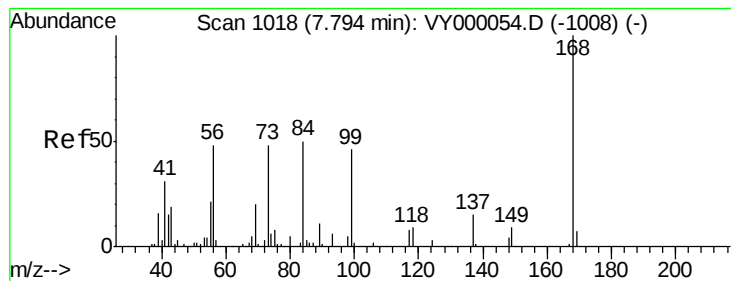
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000120.D

Acq: 20 Sep 2019 19:57

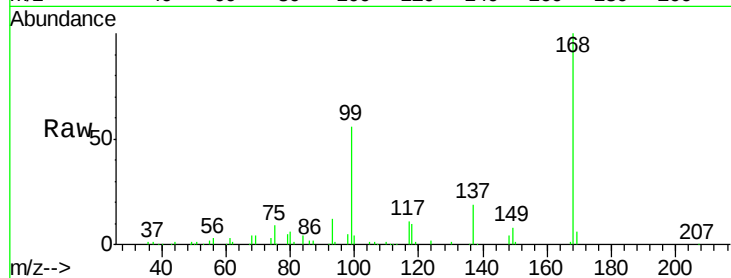
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 83838

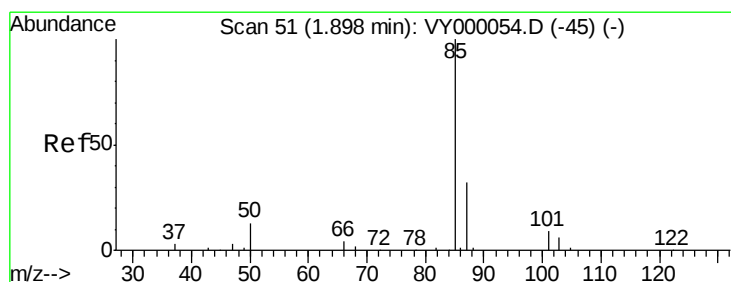
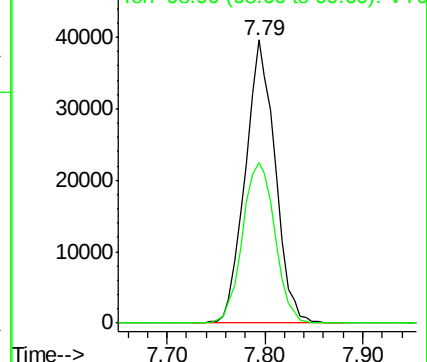
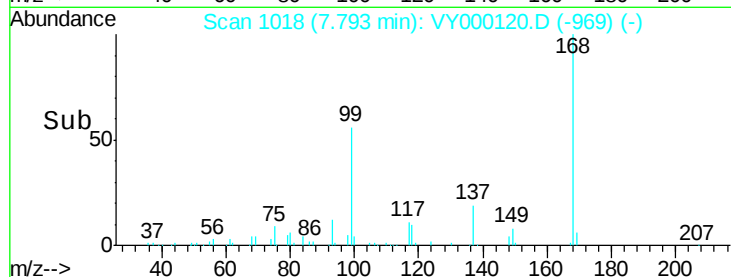
Ion Ratio Lower Upper

168 100

99 56.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000120.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000120.D

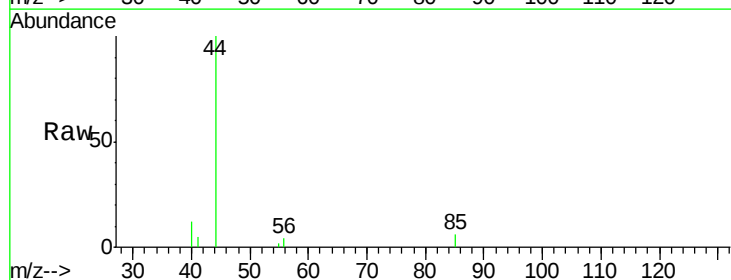
Acq: 20 Sep 2019 19:57

Tgt Ion: 85 Resp: 103

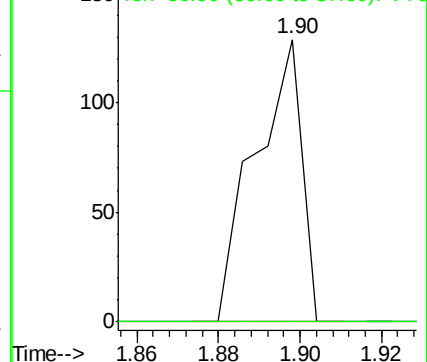
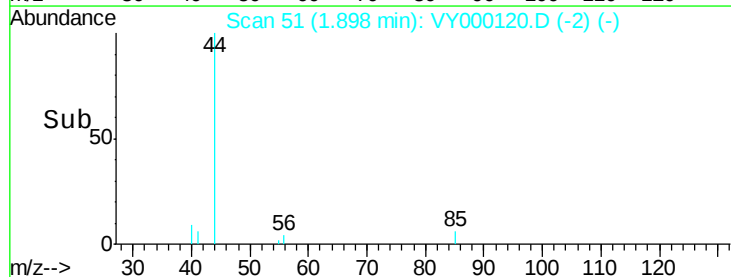
Ion Ratio Lower Upper

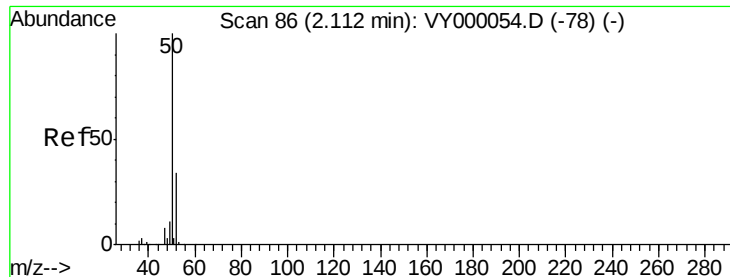
85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000120.D (-2) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

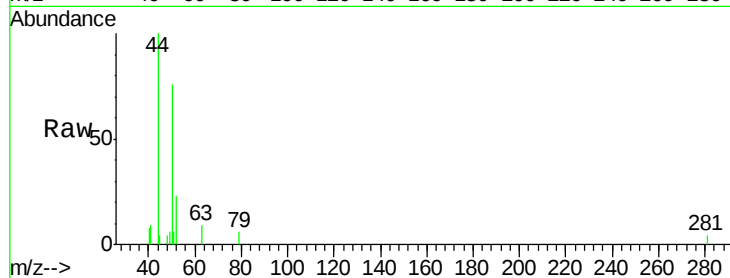
ClientSampled :

Tot Ion: 50 Resp: 1413

Ion Ratio Lower Upper

50 100

52 30.5 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

1200

1000

800

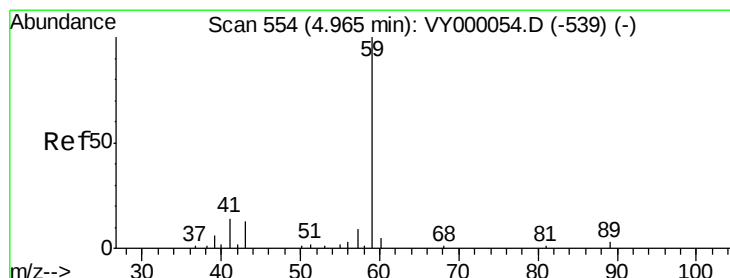
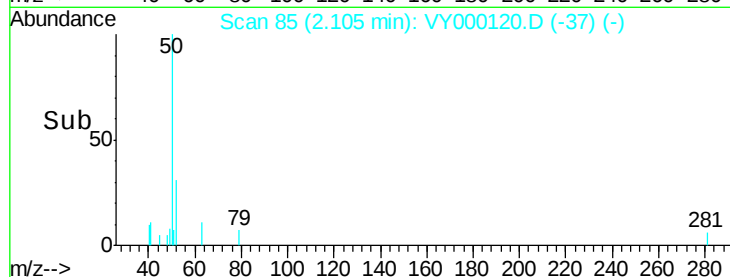
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 2.833 ug/l

RT: 4.95 min Scan# 552

Delta R.T. -0.01 min

Lab File: VY000120.D

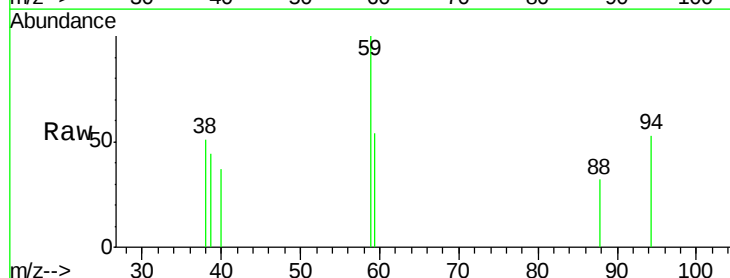
Acq: 20 Sep 2019 19:57

Tgt Ion: 59 Resp: 324

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.95

250

200

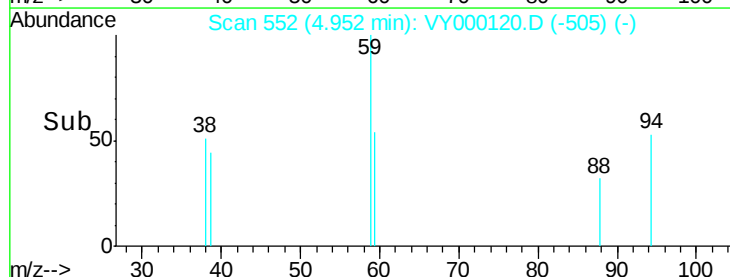
150

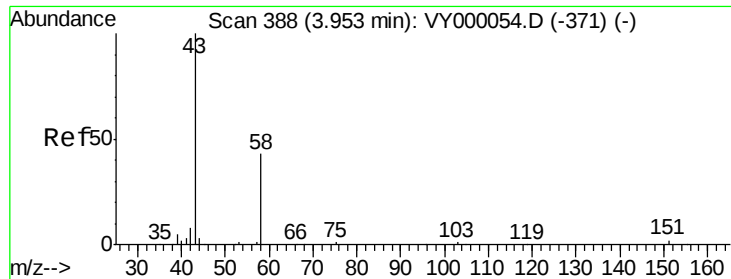
100

50

0

Time-->





#16

Acetone

Concen: 4.381 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

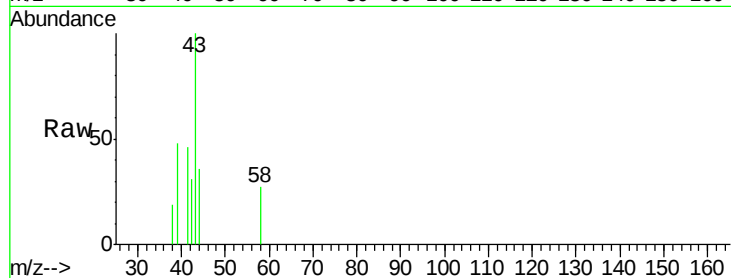
ClientSampled :

Tot Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

58 26.7 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

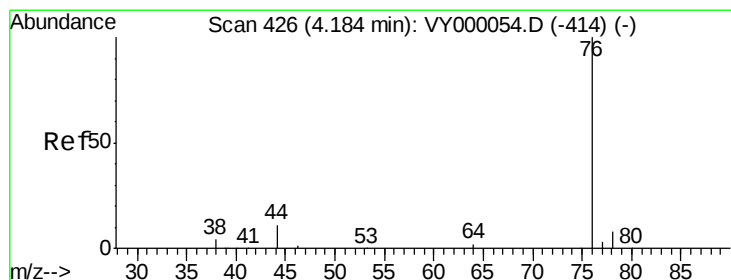
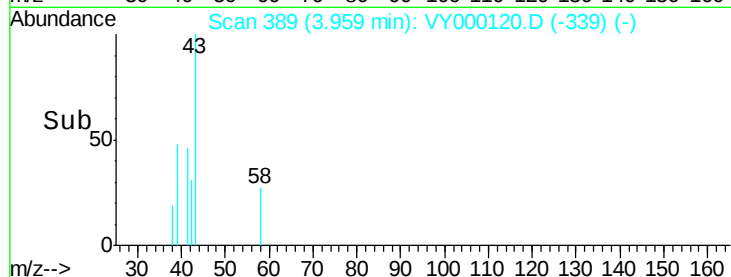
300

200

100

0

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.29 min Scan# 443

Delta R.T. 0.10 min

Lab File: VY000120.D

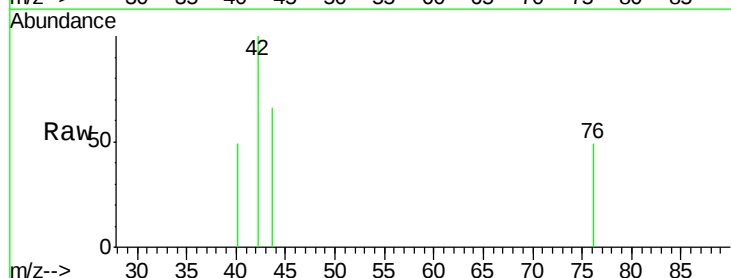
Acq: 20 Sep 2019 19:57

Tgt Ion: 76 Resp: 40

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

4.29

60

50

40

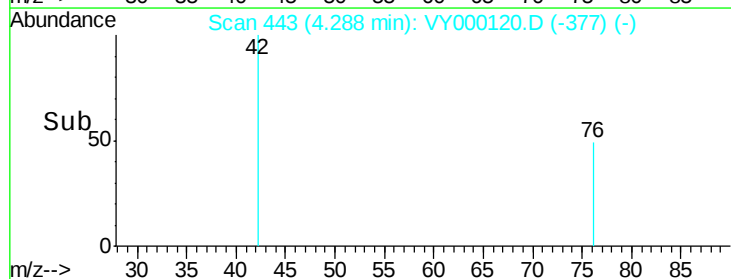
30

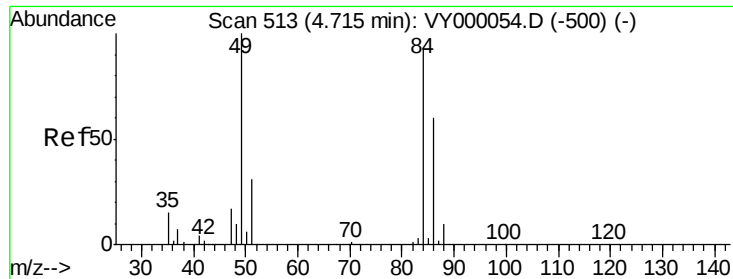
20

10

0

Time-->

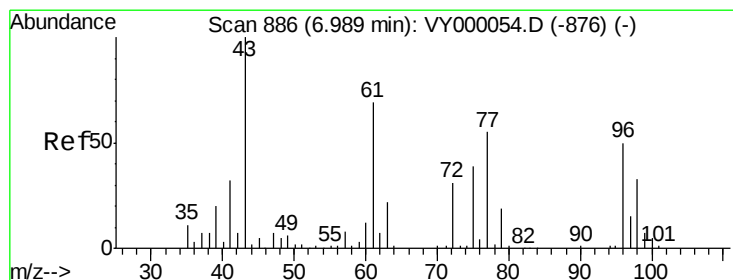
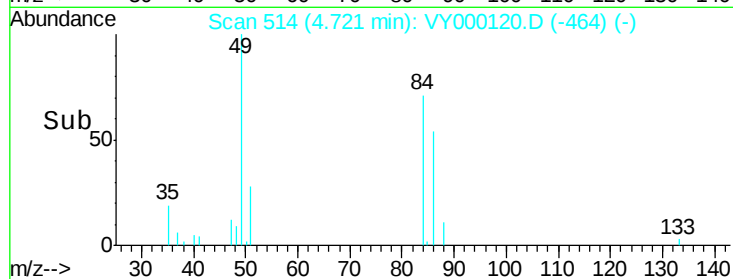
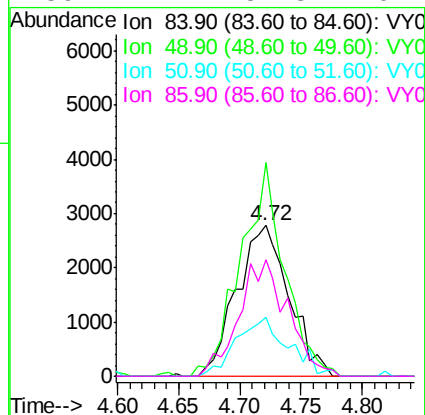
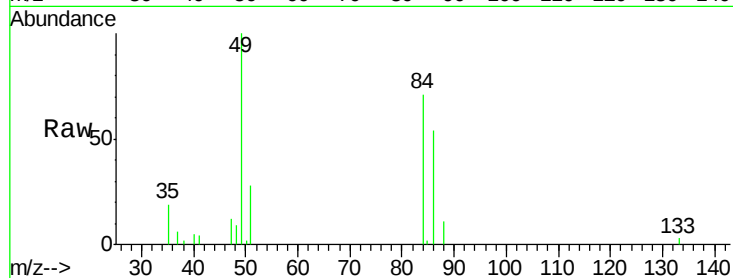




#20
Methvlene Chloride
Concen: 7.813 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000120.D
Acq: 20 Sep 2019 19:57

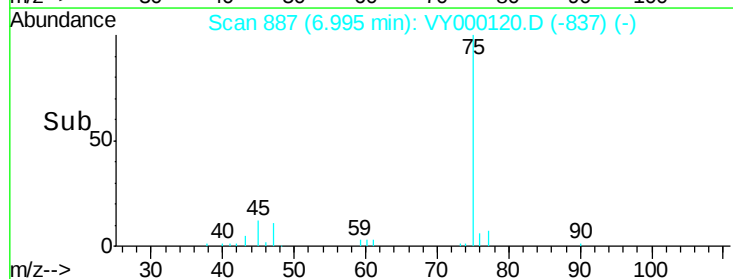
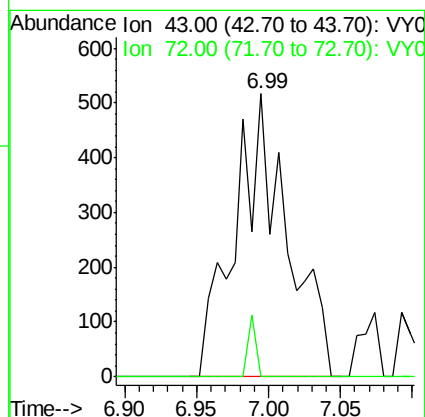
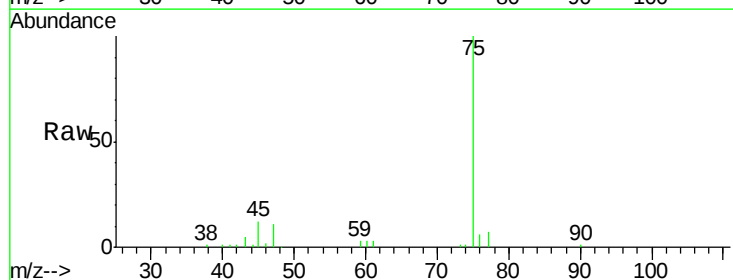
Instrument :
MSVOA_Y
ClientSampleId :

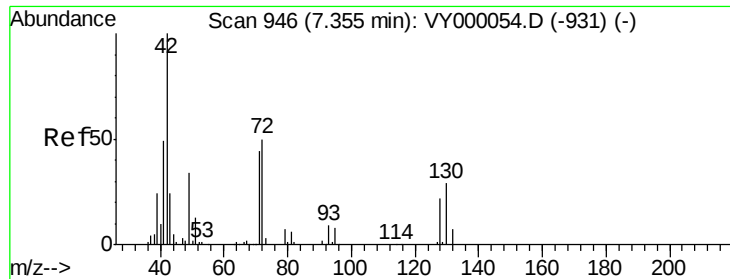
Tot Ion: 84 Resp: 8254
Ion Ratio Lower Upper
84 100
49 141.7 87.4 131.0#
51 39.1 27.2 40.8
86 77.2 52.8 79.2



#25
2-Butanone
Concen: 3.181 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000120.D
Acq: 20 Sep 2019 19:57

Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
72 0.0 24.7 37.1#

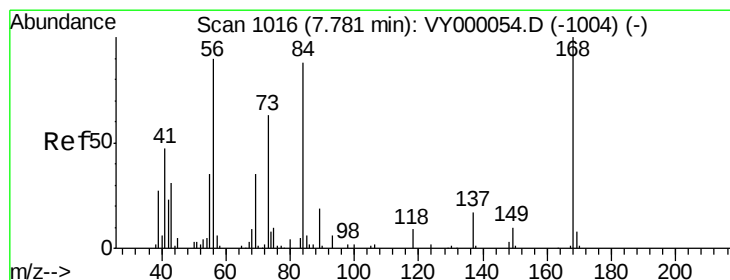
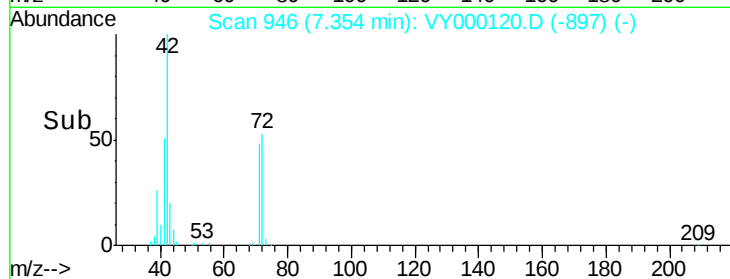
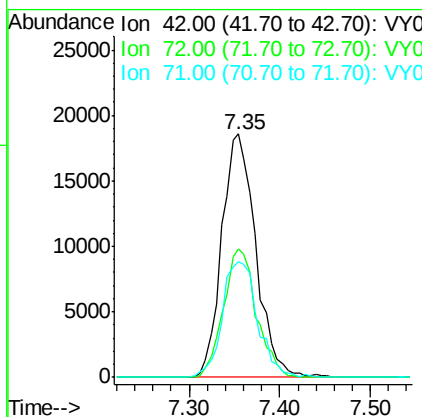
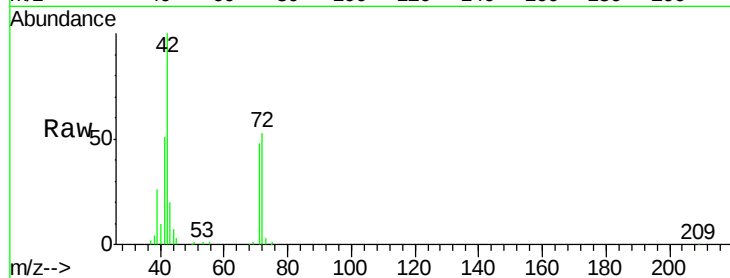




#29
Tetrahydrofuran
Concen: 198.196 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000120.D
Acq: 20 Sep 2019 19:57

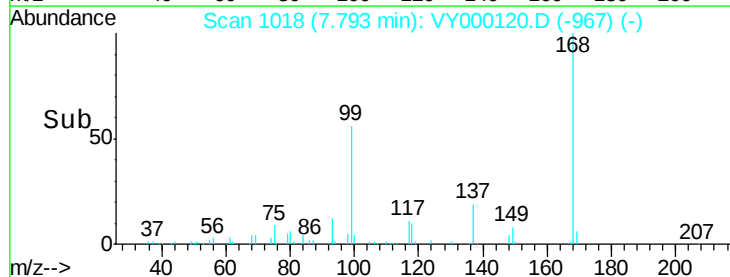
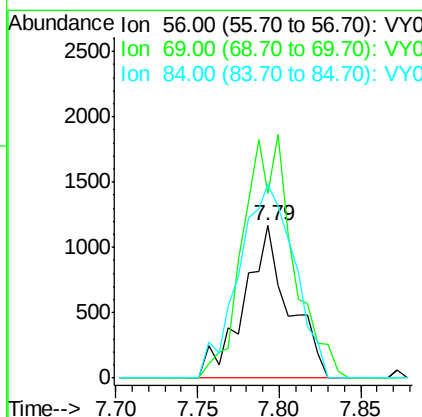
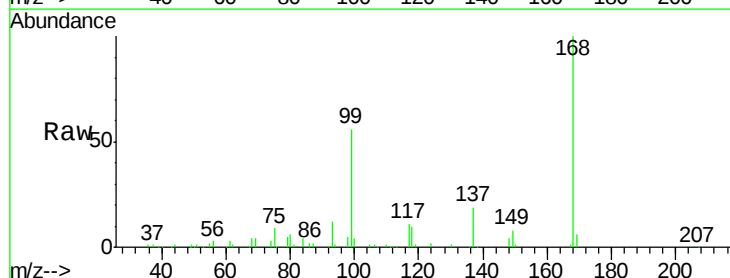
Instrument :
MSVOA_Y
ClientSampled :

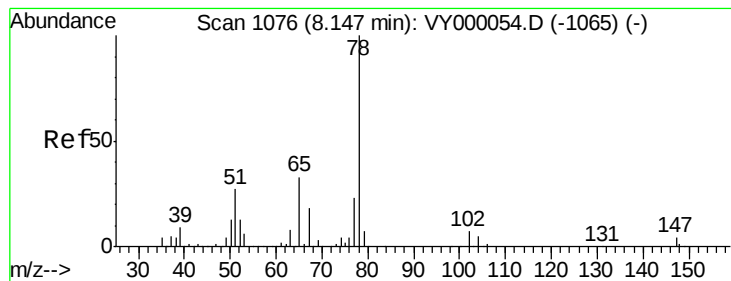
Tot Ion: 42 Resp: 48399
Ion Ratio Lower Upper
42 100
72 51.2 41.8 62.6
71 49.3 38.6 58.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000120.D
Acq: 20 Sep 2019 19:57

Tgt Ion: 56 Resp: 2269
Ion Ratio Lower Upper
56 100
69 121.3 30.9 46.3#
84 126.9 78.5 117.7#





#33

1,2-Dichloroethane-d4

Concen: 53.614 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

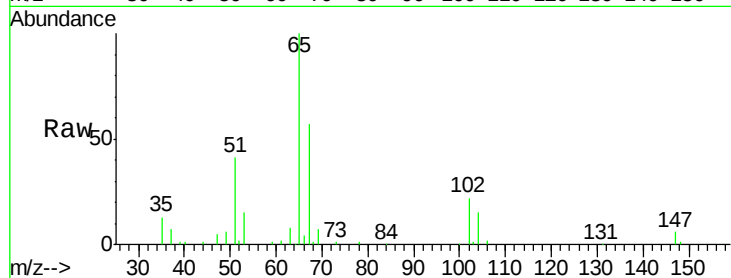
ClientSampled :

Tot Ion: 65 Resp: 51714

Ion Ratio Lower Upper

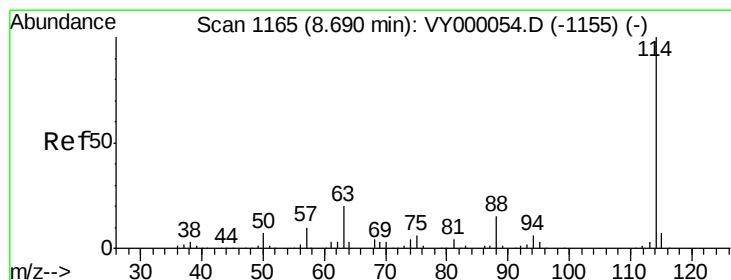
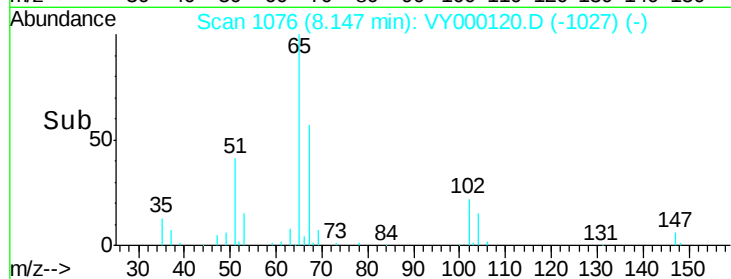
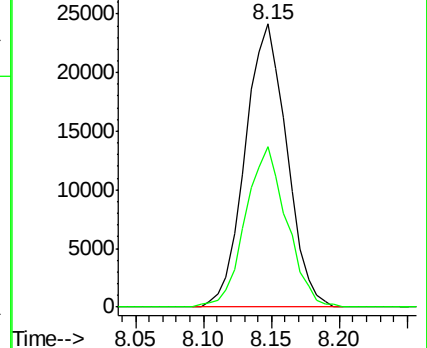
65 100

67 56.3 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: VY000120.D

Acq: 20 Sep 2019 19:57

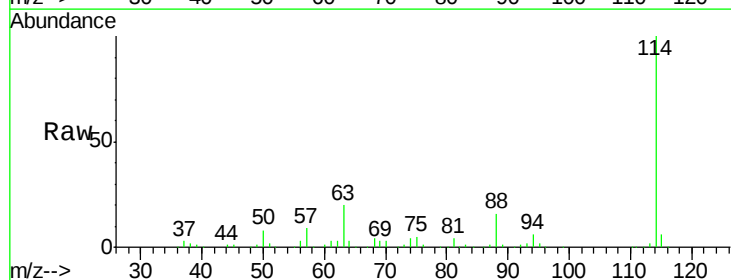
Tgt Ion: 114 Resp: 182529

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

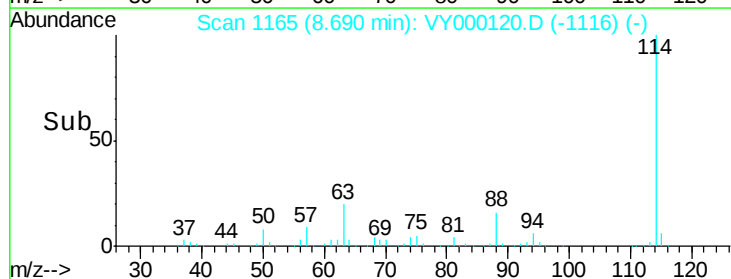
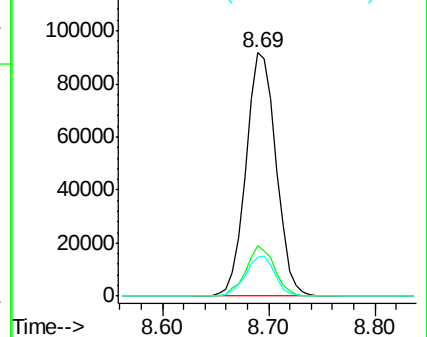
88 16.0 0.0 30.2

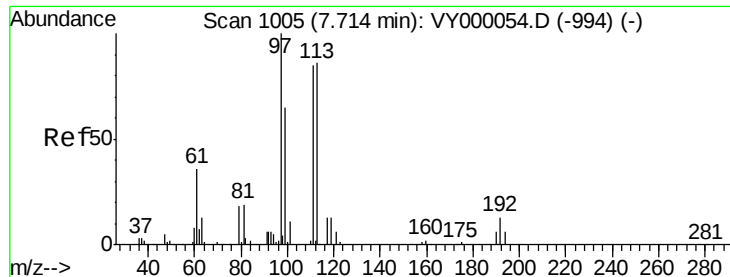


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

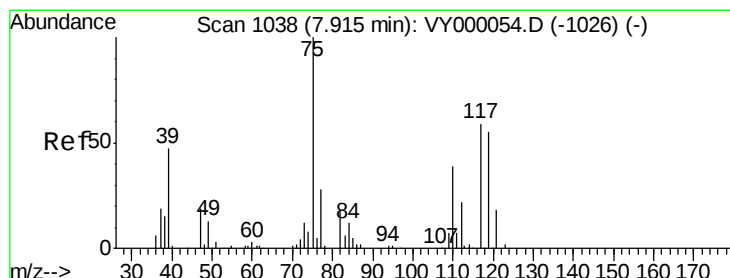
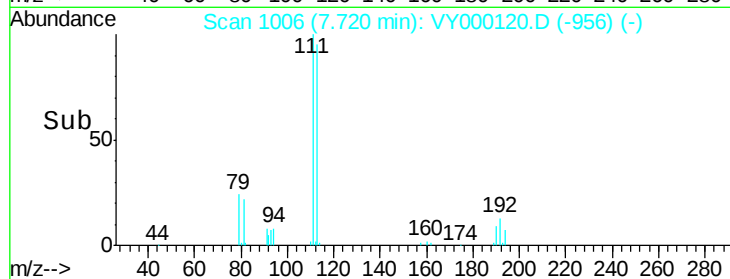
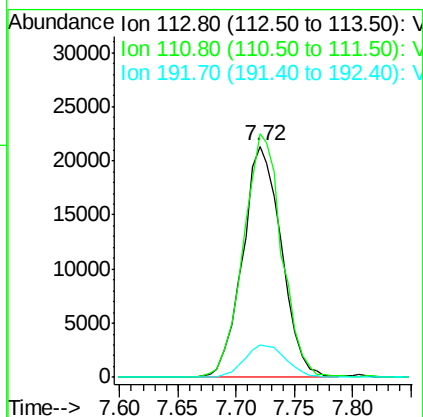
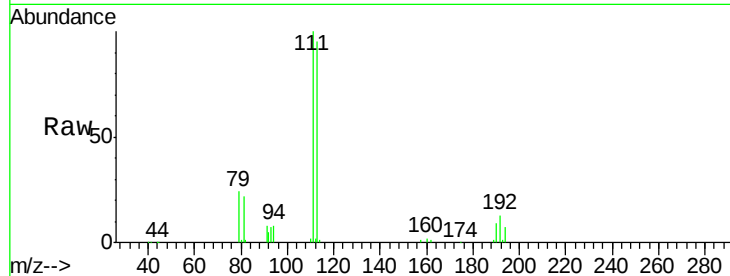




#35
 Dibromofluoromethane
 Concen: 44.974 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000120.D
 Acq: 20 Sep 2019 19:57

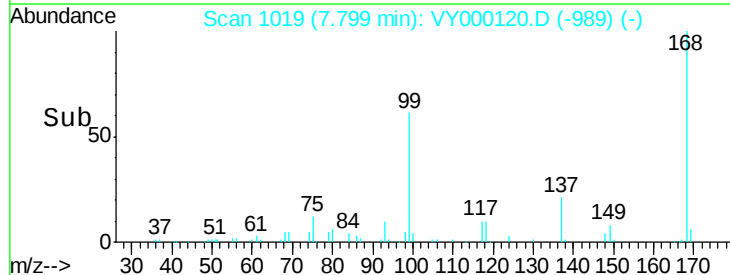
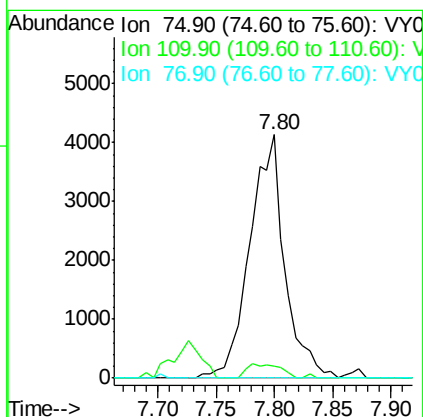
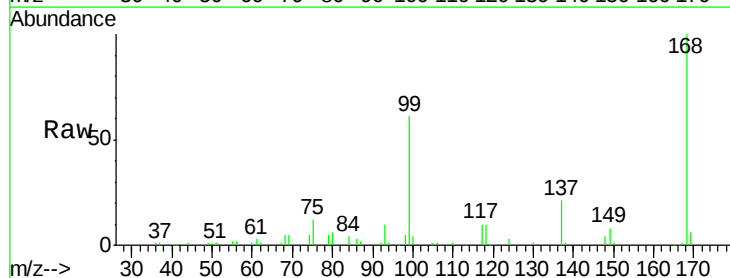
Instrument :
 MSVOA_Y
 ClientSampleId :

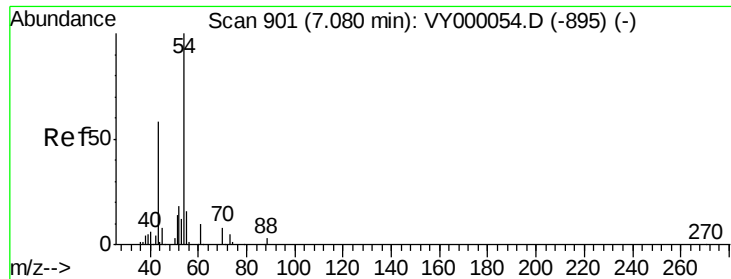
Tot Ion:113 Resp: 49704
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.7 122.5
 192 15.0 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.317 ug/l
 RT: 7.80 min Scan# 1019
 Delta R.T. -0.12 min
 Lab File: VY000120.D
 Acq: 20 Sep 2019 19:57

Tgt Ion: 75 Resp: 8622
 Ion Ratio Lower Upper
 75 100
 110 5.6 19.6 58.7#
 77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.422 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.09 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

ClientSampleId :

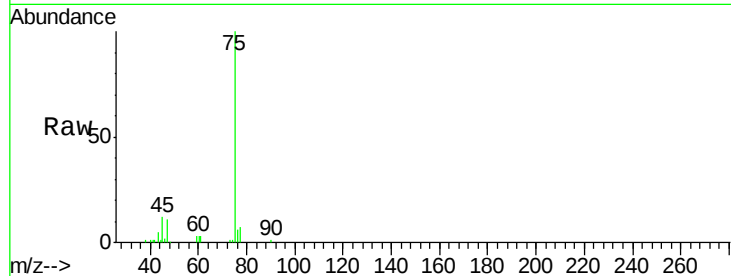
Tot Ion: 43 Resp: 1294

Ion Ratio Lower Upper

43 100

61 68.5 14.1 21.1#

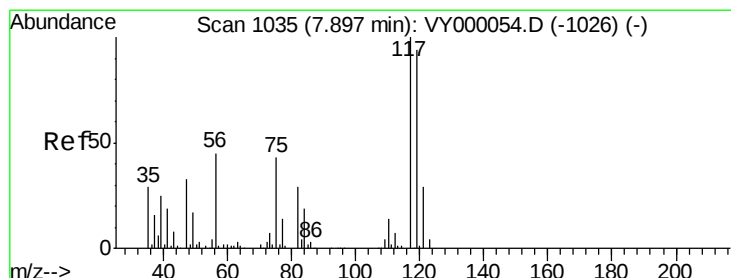
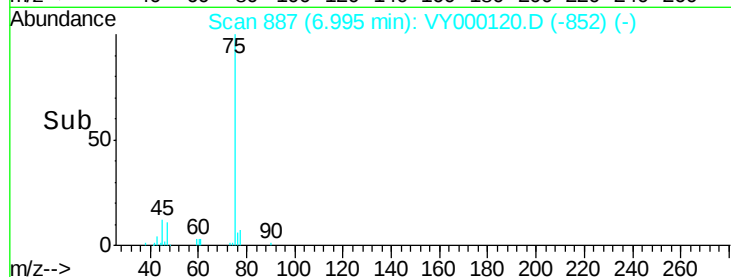
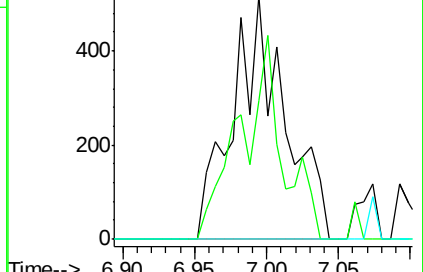
70 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VY000120.D (-895) (-)

Ion 60.90 (60.60 to 61.60): VY000120.D (-895) (-)

Ion 70.00 (69.70 to 70.70): VY000120.D (-895) (-)



#38

Carbon Tetrachloride

Concen: 7.345 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

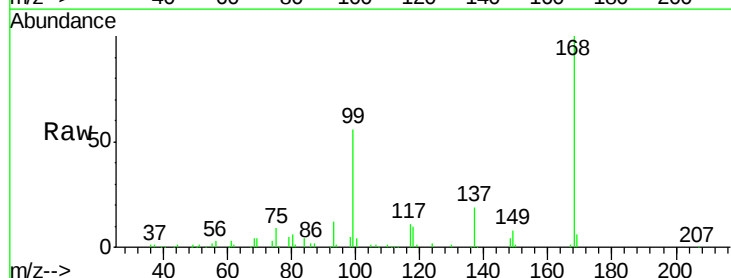
Tgt Ion: 117 Resp: 9461

Ion Ratio Lower Upper

117 100

119 8.1 75.0 112.6#

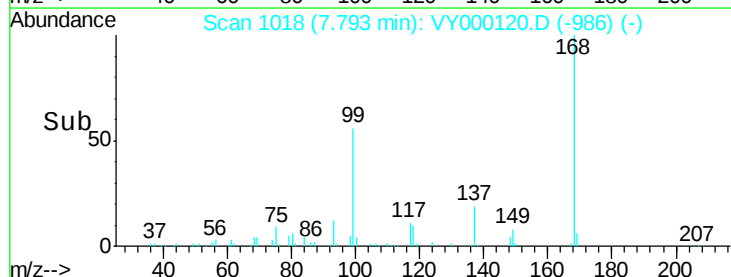
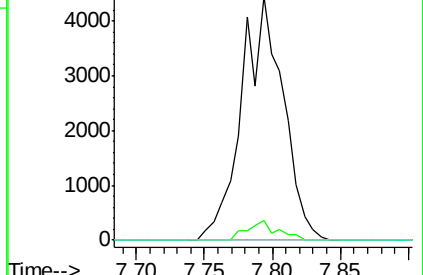
121 0.0 22.8 34.2#

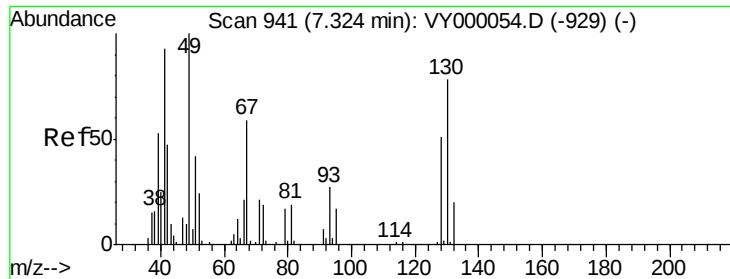


Abundance Ion 116.80 (116.50 to 117.50): VY000120.D (-986) (-)

Ion 118.80 (118.50 to 119.50): VY000120.D (-986) (-)

Ion 120.80 (120.50 to 121.50): VY000120.D (-986) (-)





#41

Methacrylonitrile

Concen: 38.514 ug/l

RT: 7.35 min Scan# 945

Delta R.T. 0.02 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 41 Resp: 24879

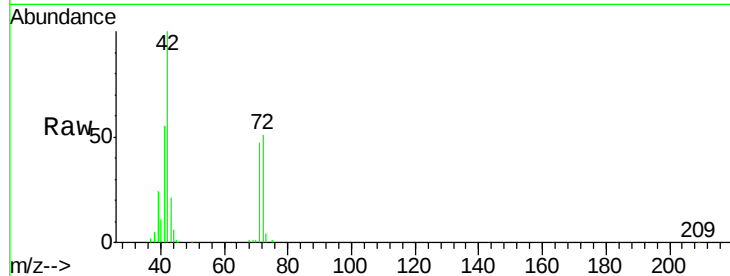
Ion Ratio Lower Upper

41 100

39 44.8 91.8 137.6#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

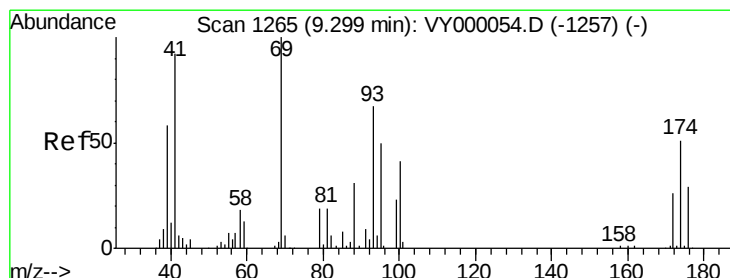
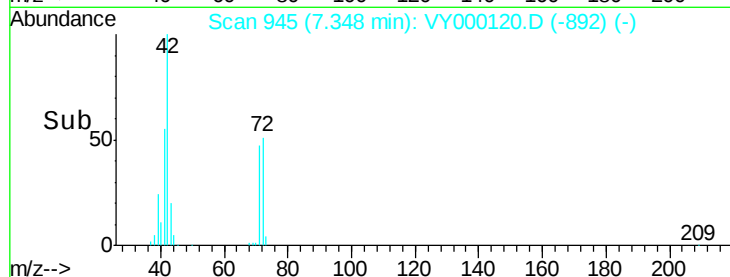
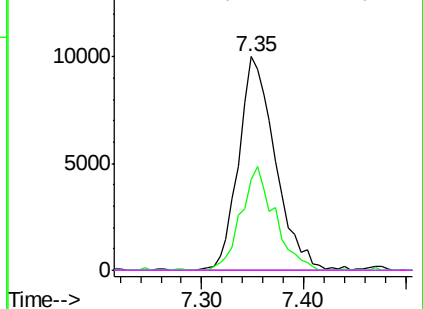


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 2.180 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.07 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

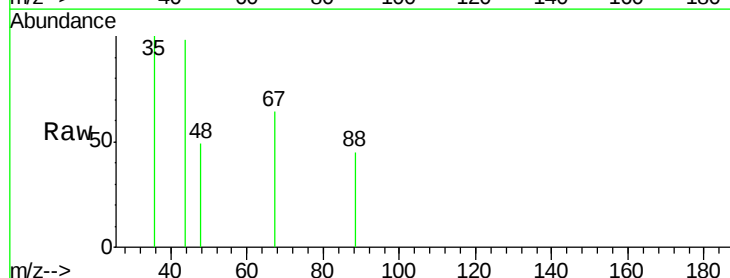
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 18.7 28.1#

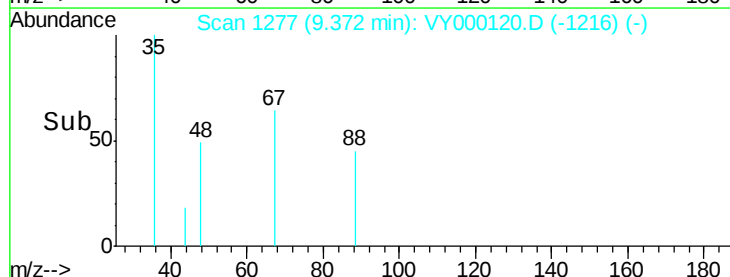
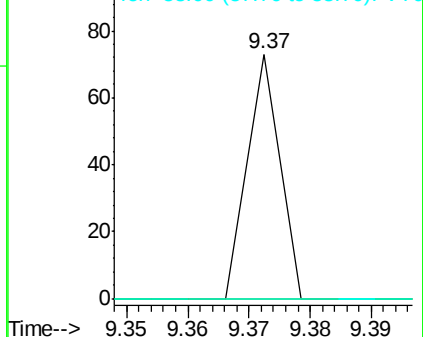
58 0.0 53.0 79.6#

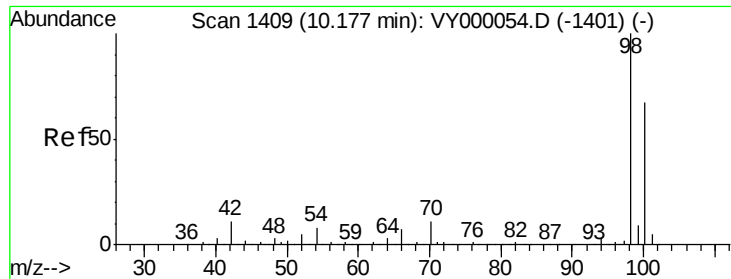


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 49.763 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

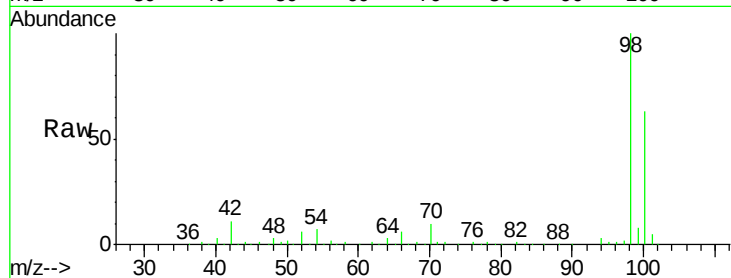
ClientSampleId :

Tot Ion: 98 Resp: 216008

Ion Ratio Lower Upper

98 100

100 65.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

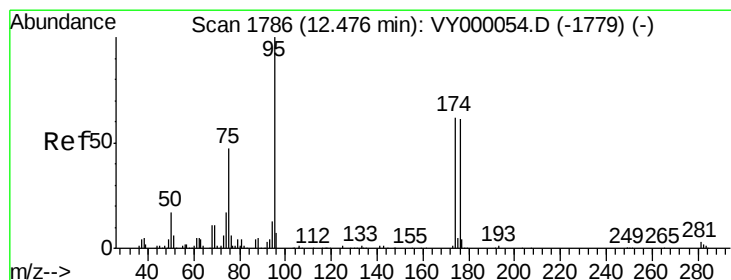
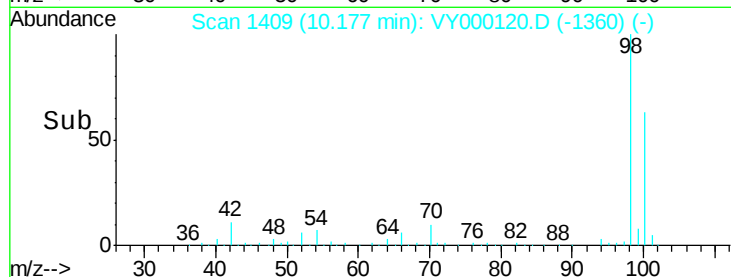
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.768 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

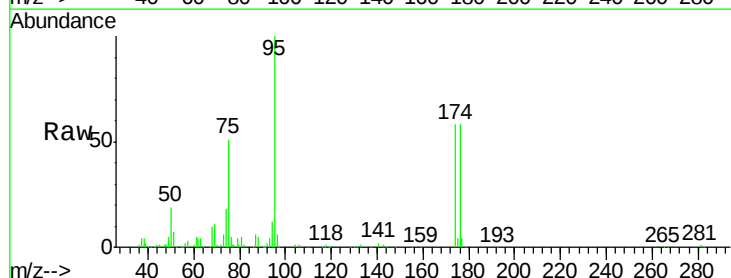
Tgt Ion: 95 Resp: 68926

Ion Ratio Lower Upper

95 100

174 62.0 0.0 137.2

176 60.0 0.0 135.0



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

12.48

60000

50000

40000

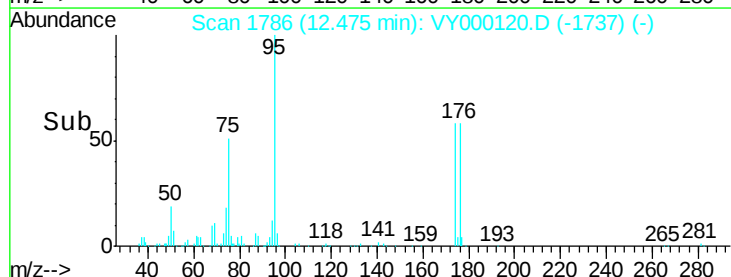
30000

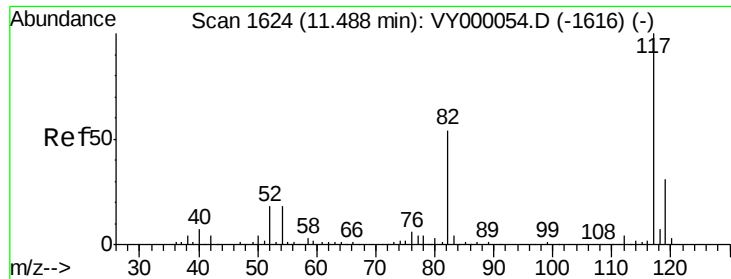
20000

10000

0

Time-->

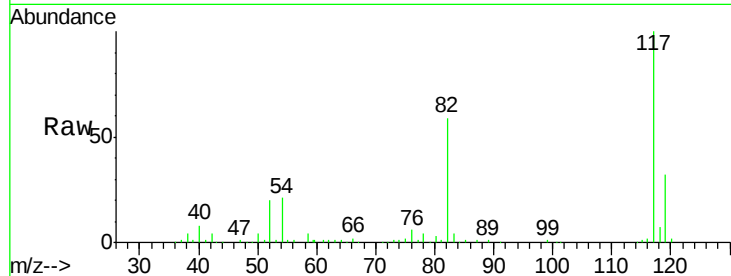




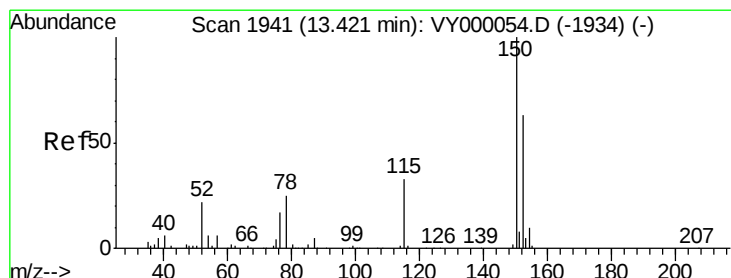
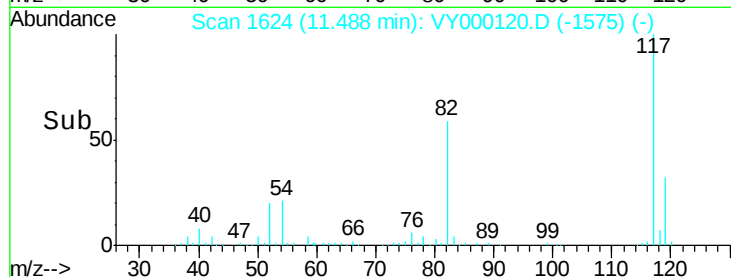
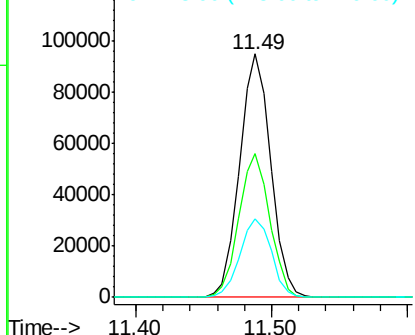
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000120.D
Acq: 20 Sep 2019 19:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 151298
Ion Ratio Lower Upper
117 100
82 58.9 43.5 65.3
119 32.2 24.6 36.8

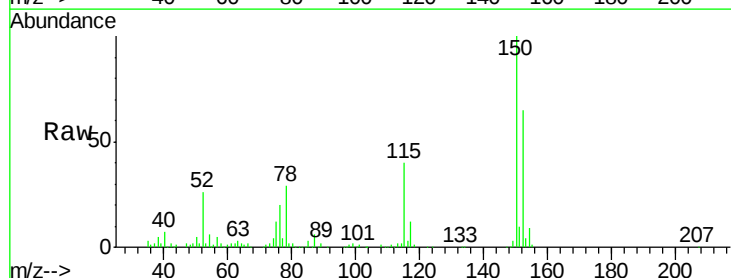


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

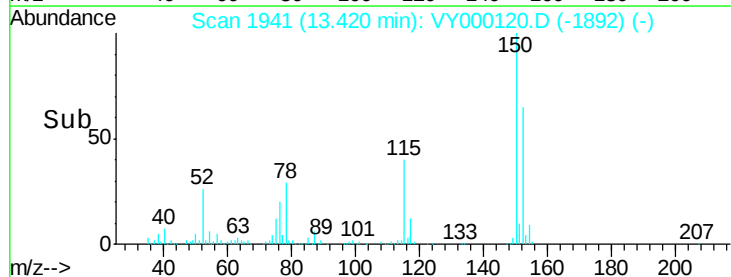
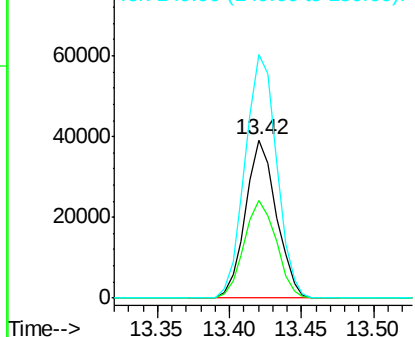


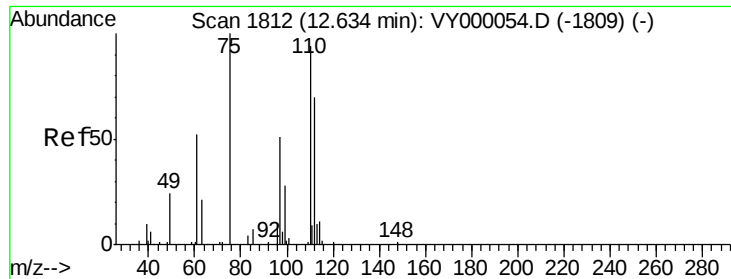
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000120.D
Acq: 20 Sep 2019 19:57

Tgt Ion:152 Resp: 58079
Ion Ratio Lower Upper
152 100
115 63.9 30.7 92.1
150 157.7 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: 43.061 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Instrument :

MSVOA_Y

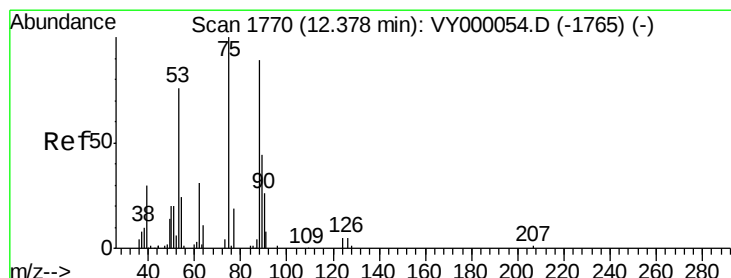
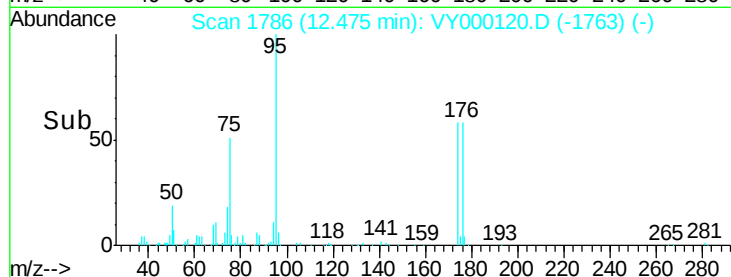
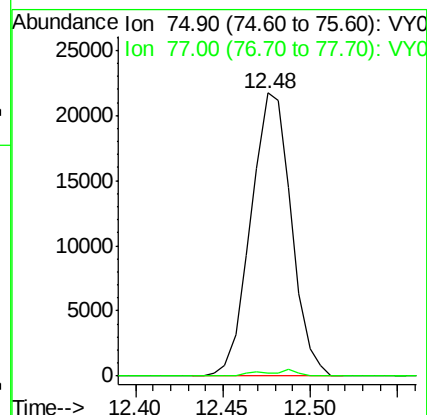
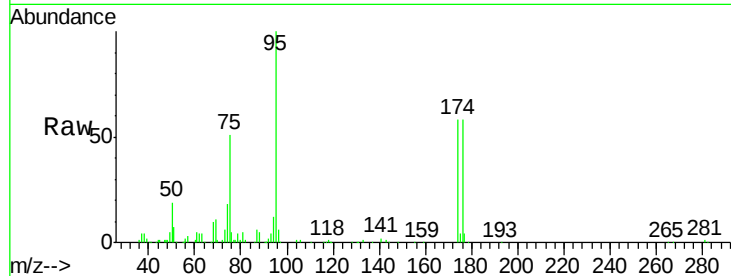
ClientSampleId :

Tot Ion: 75 Resp: 35188

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.817 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000120.D

Acq: 20 Sep 2019 19:57

Tgt Ion: 75 Resp: 35188

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.3 35.3 52.9#

