

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000113.D
 Acq On : 20 Sep 2019 17:14
 Operator : SY/MD
 Sample : K4877-03RE
 Misc : 5.59g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:49:04 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	52622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	104684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	76849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	20101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	30086	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	7.73	113	30045	47.40	ug/l	0.01
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.18	98	124341	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.48	95	29870	32.32	ug/l	0.00
Spiked Amount			Recovery	=	64.64%	

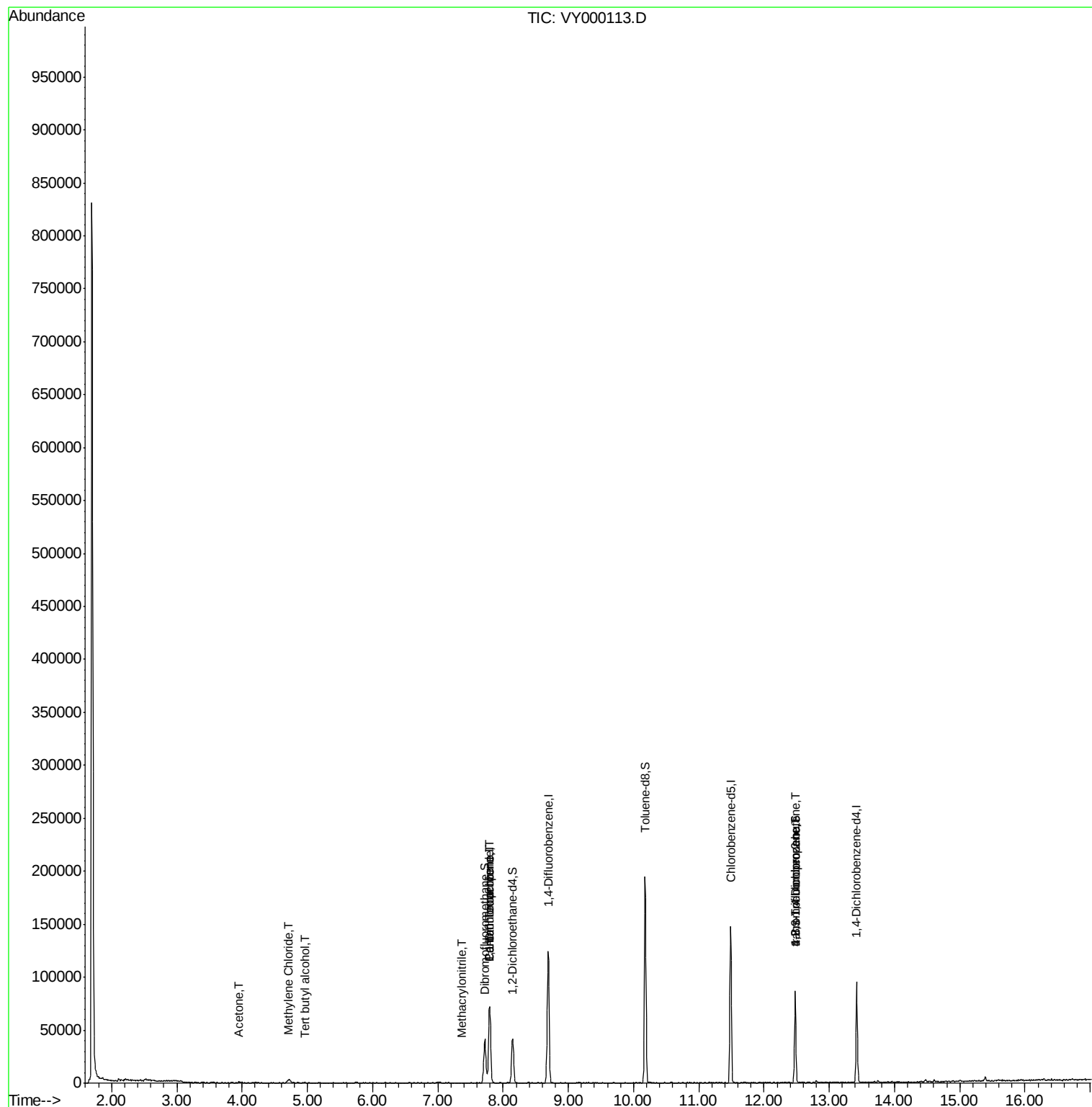
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	25	Below Cal	#	42
3) Chloromethane	2.11	50	1090	Below Cal	#	85
5) Bromomethane	2.64	94	30	Below Cal	#	47
11) Tert butyl alcohol	4.97	59	179	2.494	ug/l #	73
13) Acrolein	3.85	56	33	Below Cal	#	13
16) Acetone	3.95	43	1681	11.925	ug/l #	81
17) Carbon Disulfide	4.20	76	298	Below Cal	#	77
20) Methylene Chloride	4.71	84	2684	4.048	ug/l #	92
31) Cyclohexane	7.79	56	1665	Below Cal	#	24
36) 1,1-Dichloropropene	7.79	75	5254	6.712	ug/l #	46
38) Carbon Tetrachloride	7.79	117	5621	7.609	ug/l #	13
41) Methacrylonitrile	7.37	41	22	4.358	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	14438	51.050	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	14438	98.182	ug/l #	19

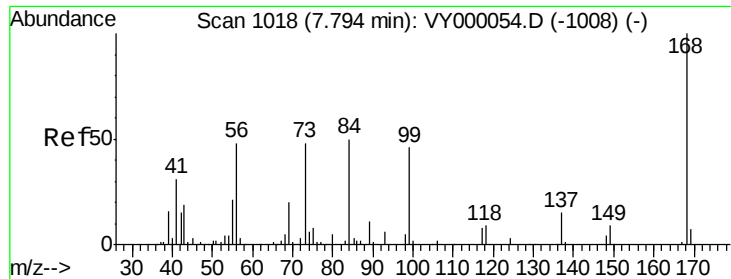
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

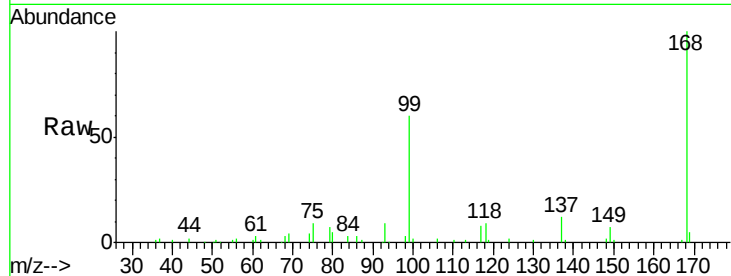
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 52622

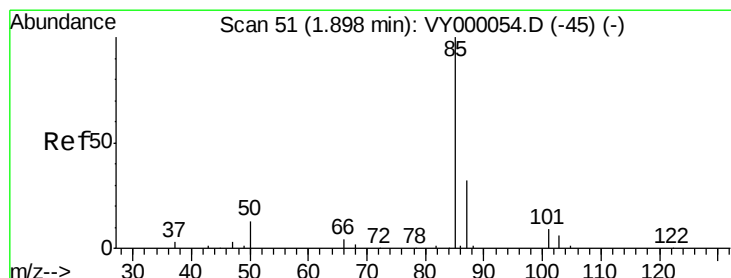
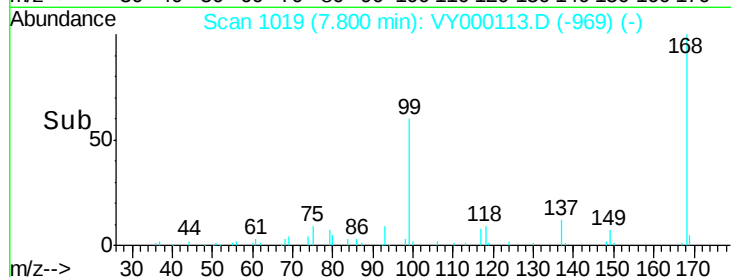
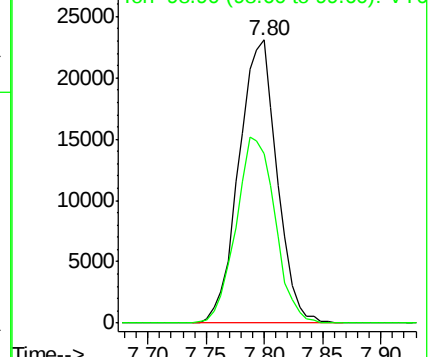
Ion Ratio Lower Upper

168 100

99 59.8 44.2 66.2



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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.89 min Scan# 50

Delta R.T. -0.01 min

Lab File: VY000113.D

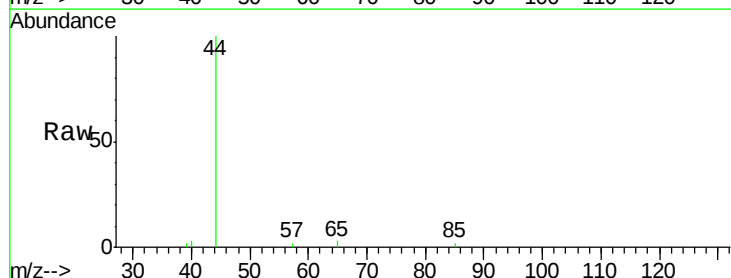
Acq: 20 Sep 2019 17:14

Tgt Ion: 85 Resp: 25

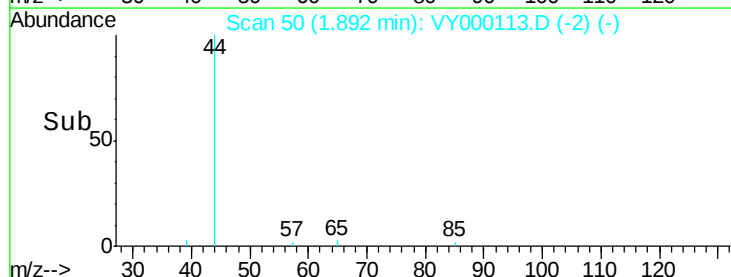
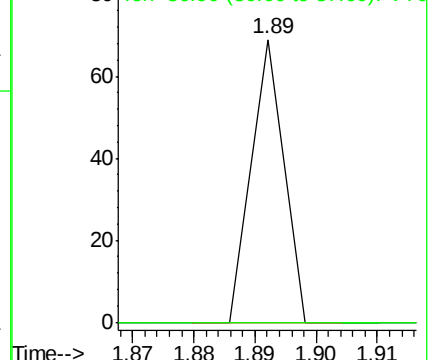
Ion Ratio Lower Upper

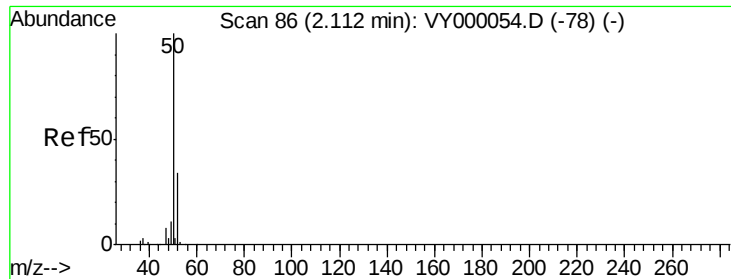
85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

Instrument :

MSVOA_Y

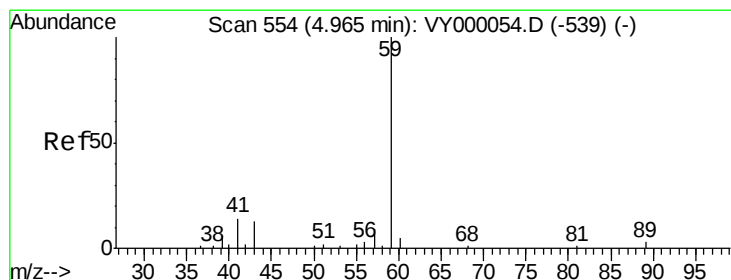
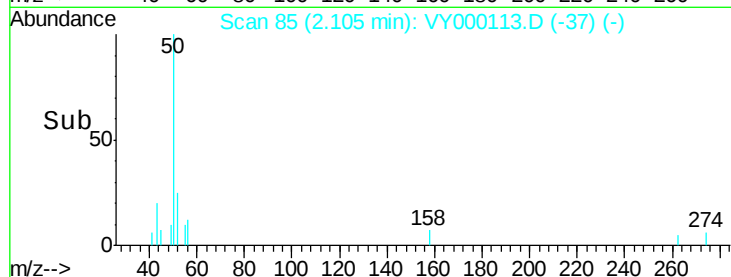
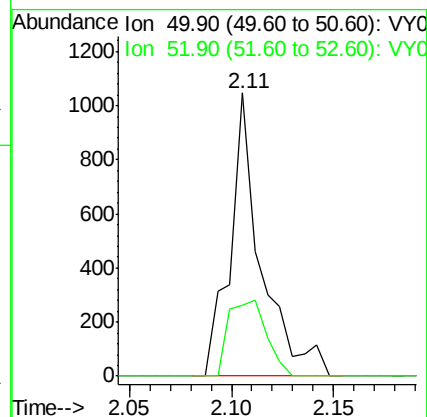
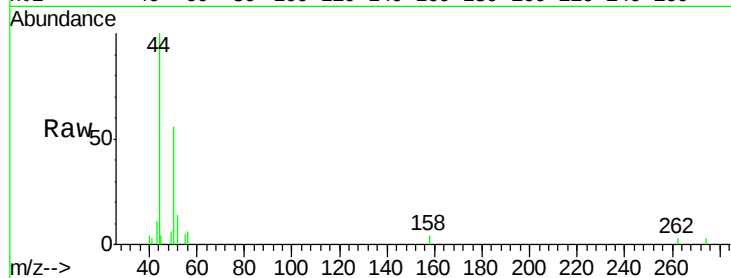
ClientSampleId :

Tot Ion: 50 Resp: 1090

Ion Ratio Lower Upper

50 100

52 25.2 27.3 40.9#



#11

Tert butyl alcohol

Concen: 2.494 ug/l

RT: 4.97 min Scan# 555

Delta R.T. 0.01 min

Lab File: VY000113.D

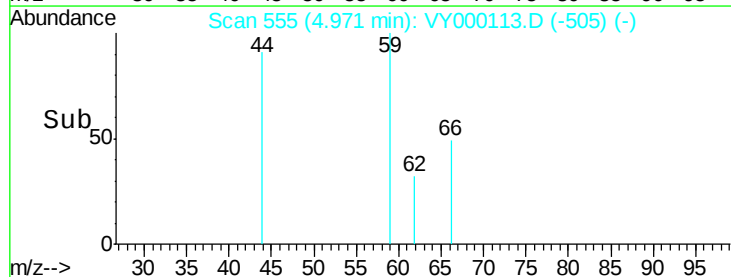
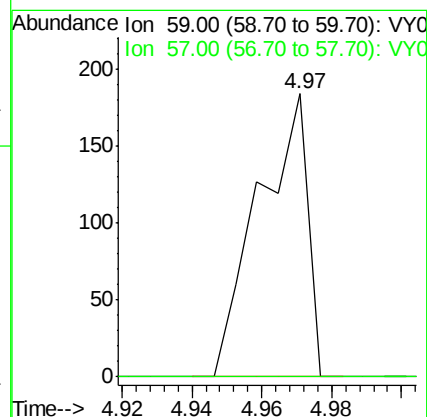
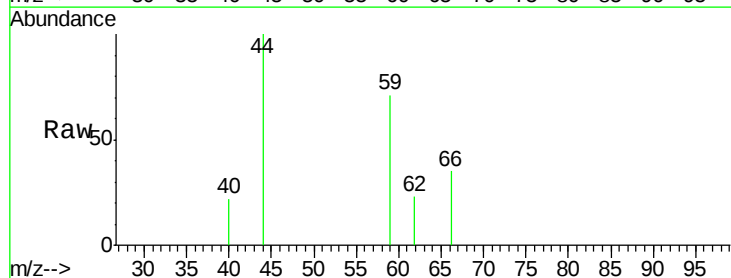
Acq: 20 Sep 2019 17:14

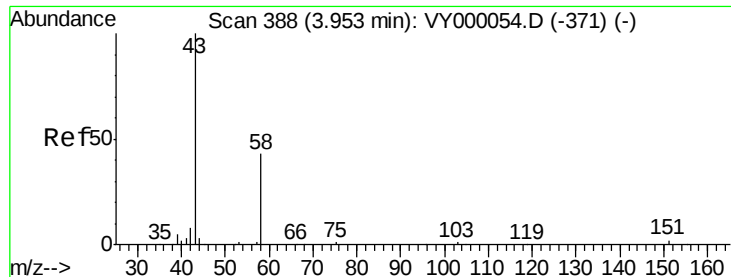
Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 11.925 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

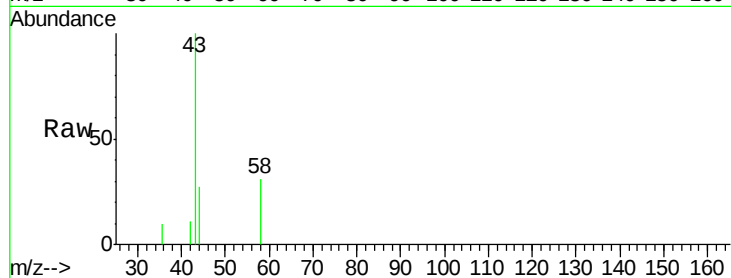
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1681

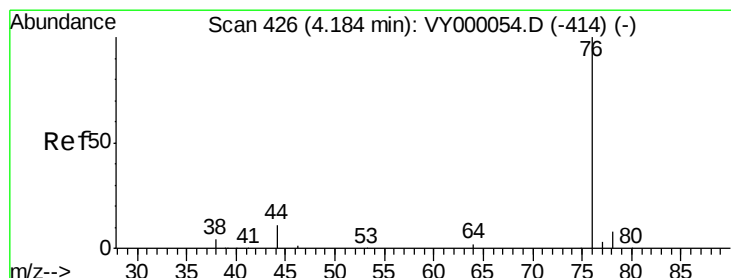
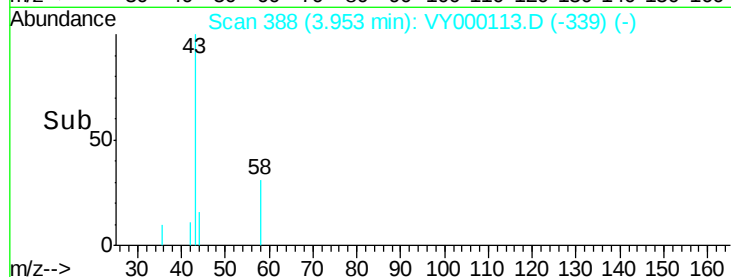
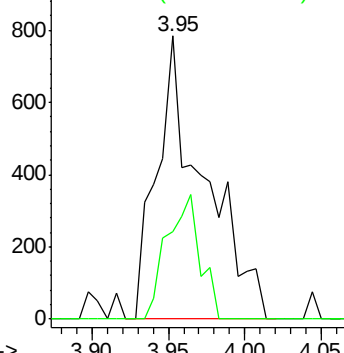
Ion Ratio Lower Upper

43 100

58 30.7 34.5 51.7#



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



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 428

Delta R.T. 0.01 min

Lab File: VY000113.D

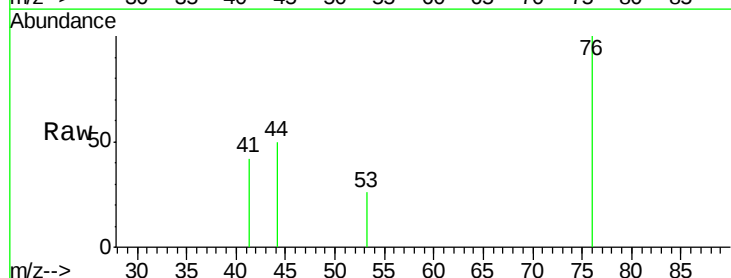
Acq: 20 Sep 2019 17:14

Tgt Ion: 76 Resp: 298

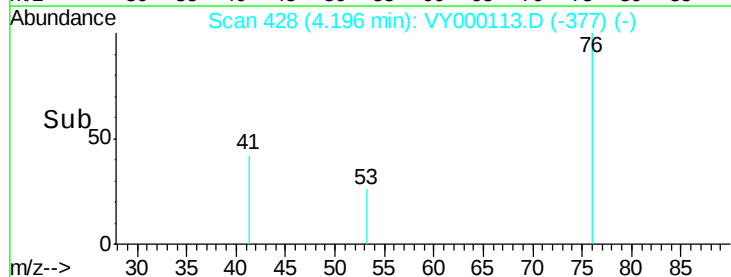
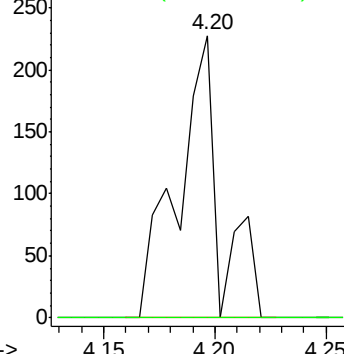
Ion Ratio Lower Upper

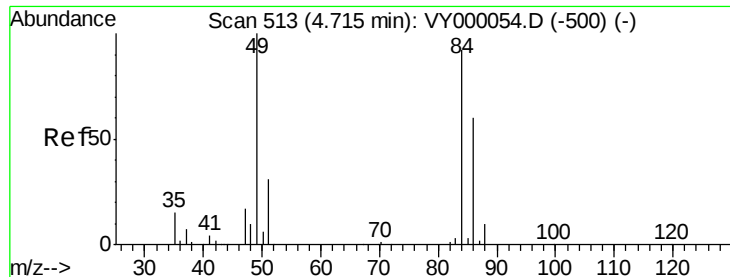
76 100

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

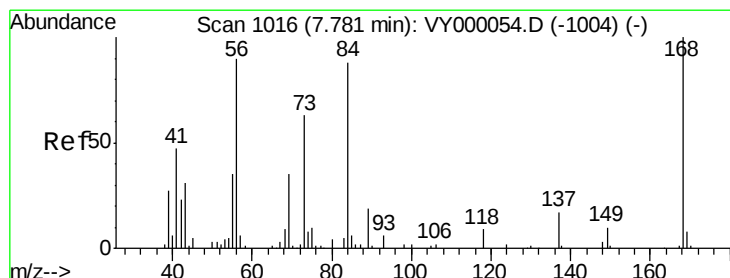
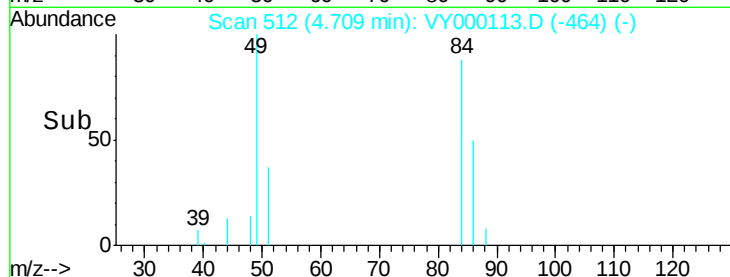
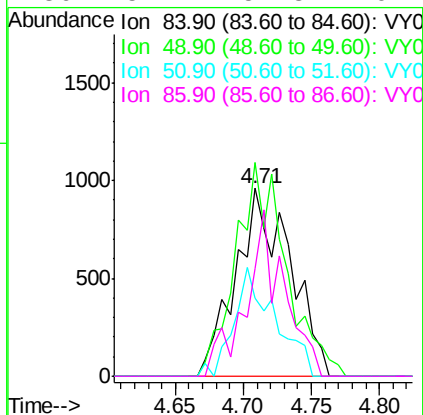
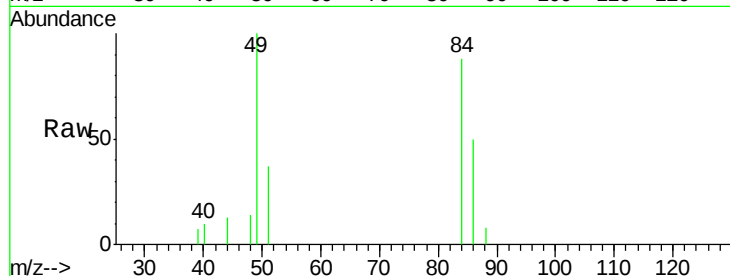




#20
Methvlene Chloride
Concen: 4.048 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000113.D
Acq: 20 Sep 2019 17:14

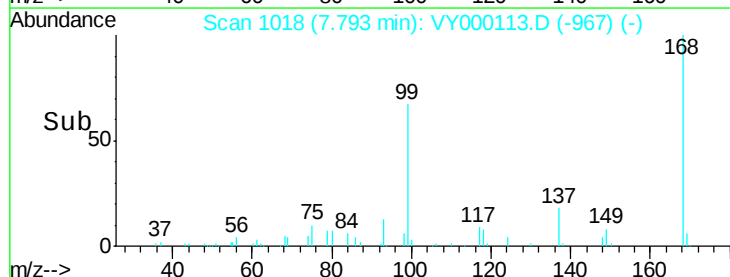
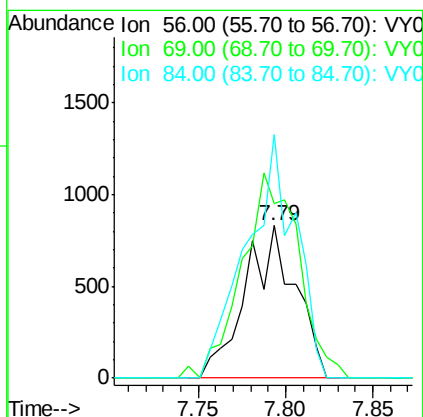
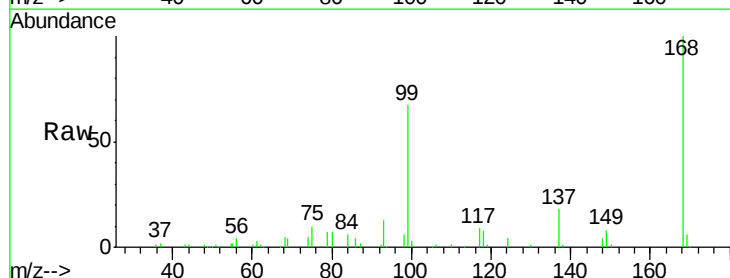
Instrument :
MSVOA_Y
ClientSampleId :

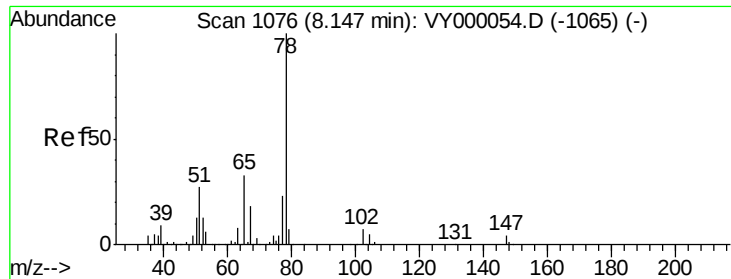
Tot Ion: 84 Resp: 2684
Ion Ratio Lower Upper
84 100
49 113.9 87.4 131.0
51 41.7 27.2 40.8#
86 57.1 52.8 79.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000113.D
Acq: 20 Sep 2019 17:14

Tgt Ion: 56 Resp: 1665
Ion Ratio Lower Upper
56 100
69 106.5 30.9 46.3#
84 159.9 78.5 117.7#





#33

1,2-Dichloroethane-d4

Concen: 49.694 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

Instrument :

MSVOA_Y

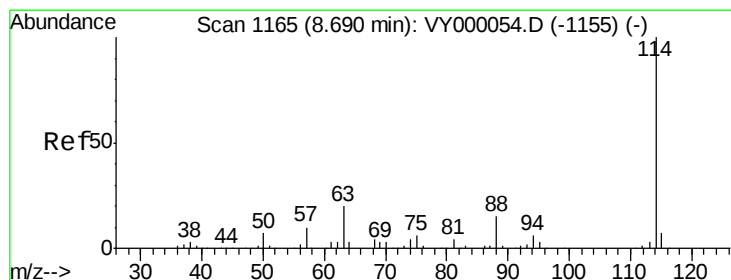
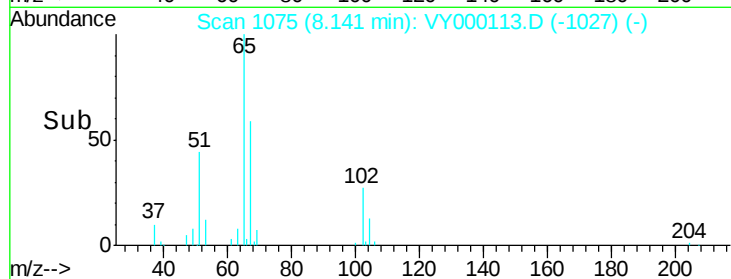
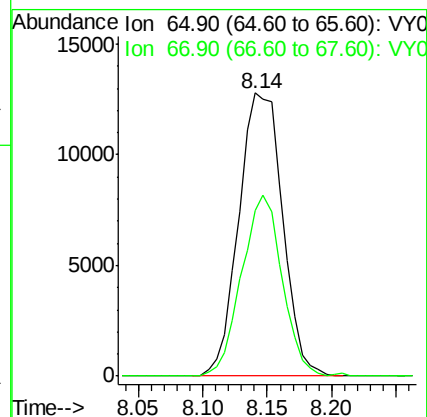
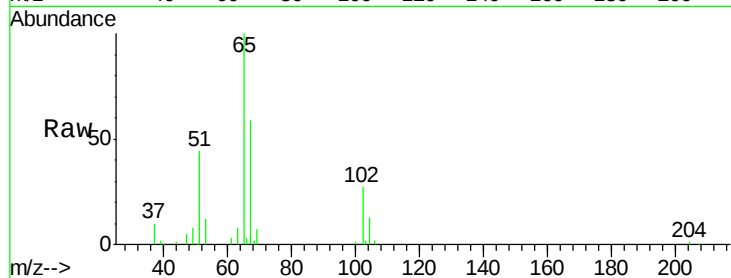
ClientSampleId :

Tot Ion: 65 Resp: 30086

Ion Ratio Lower Upper

65 100

67 59.0 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

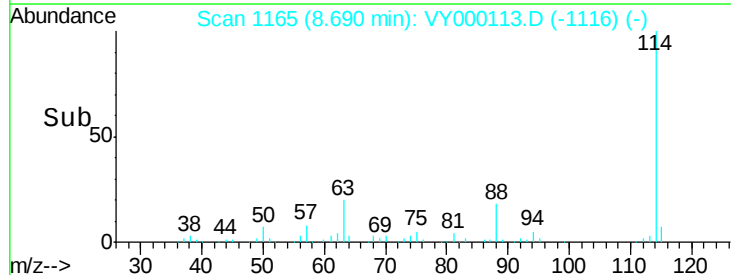
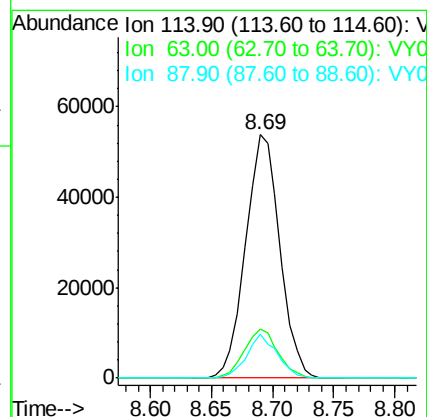
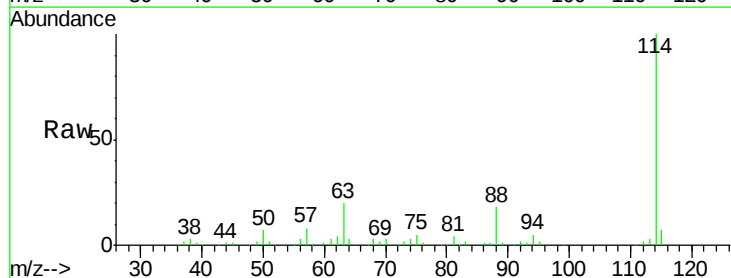
Tgt Ion: 114 Resp: 104684

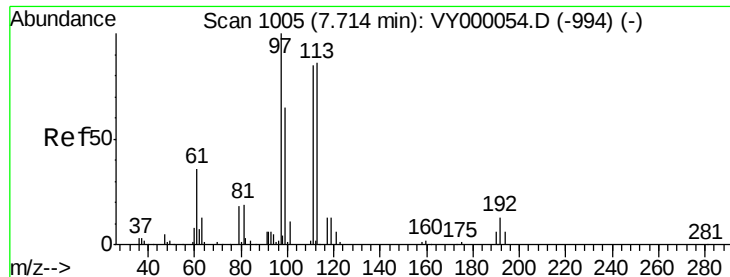
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 18.0 0.0 30.2

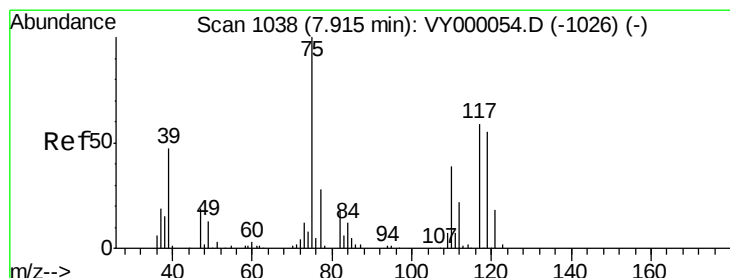
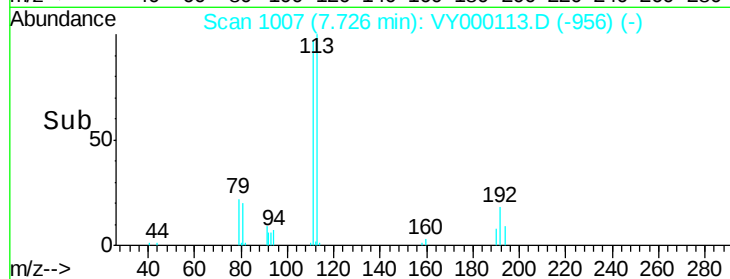
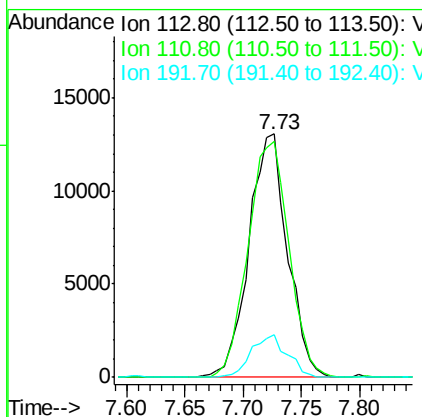
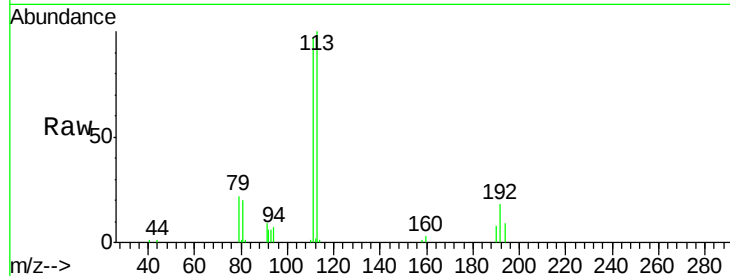




#35
 Dibromofluoromethane
 Concen: 47.402 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000113.D
 Acq: 20 Sep 2019 17:14

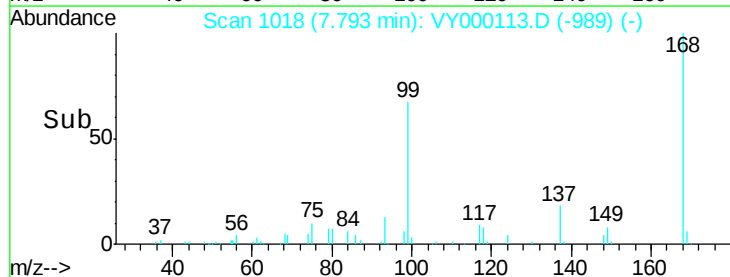
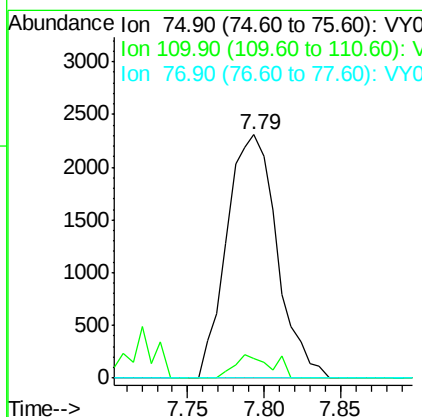
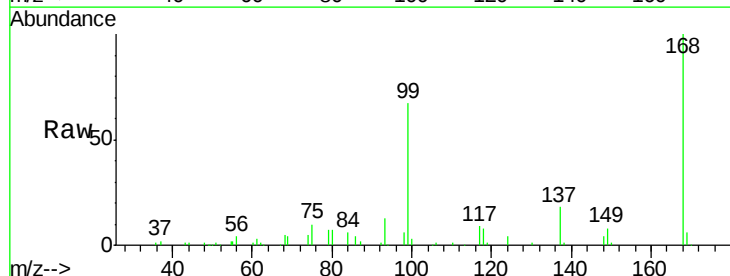
Instrument :
 MSVOA_Y
 ClientSampleId :

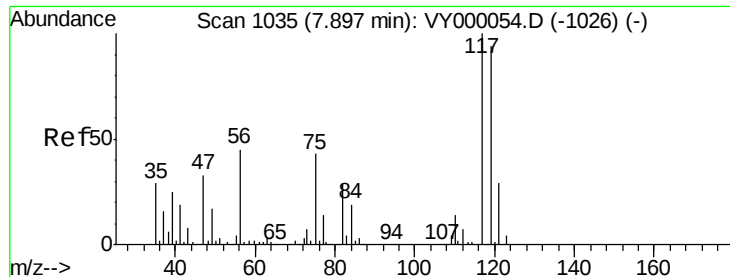
Tot Ion:113 Resp: 30045
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.7 122.5
 192 16.3 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.712 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000113.D
 Acq: 20 Sep 2019 17:14

Tgt Ion: 75 Resp: 5254
 Ion Ratio Lower Upper
 75 100
 110 7.3 19.6 58.7#
 77 0.0 24.3 36.5#

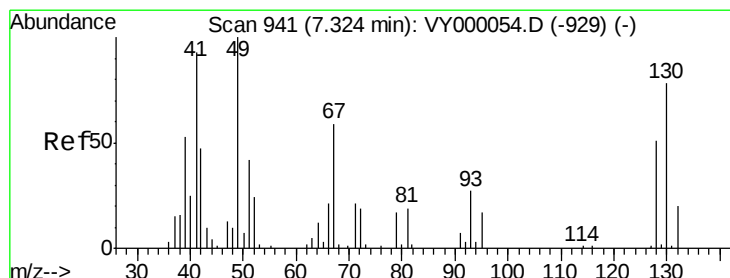
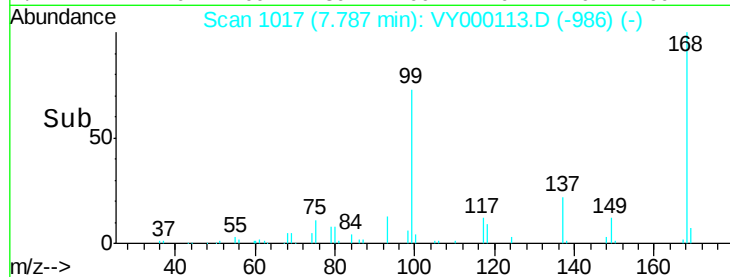
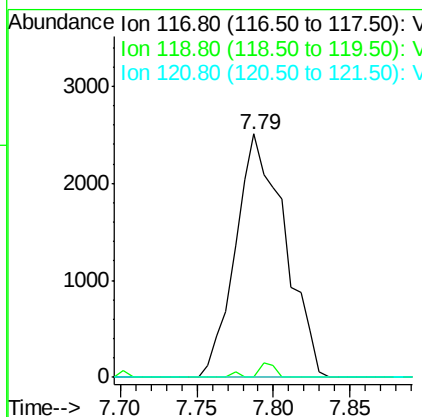
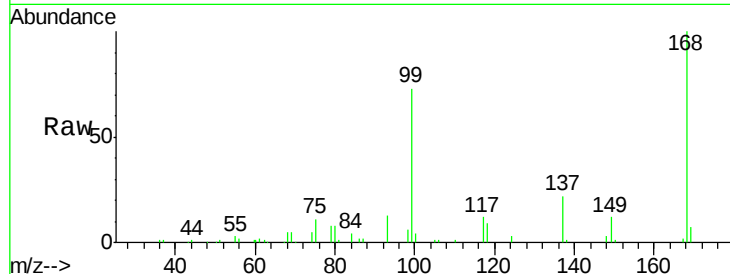




#38
 Carbon Tetrachloride
 Concen: 7.609 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000113.D
 Acq: 20 Sep 2019 17:14

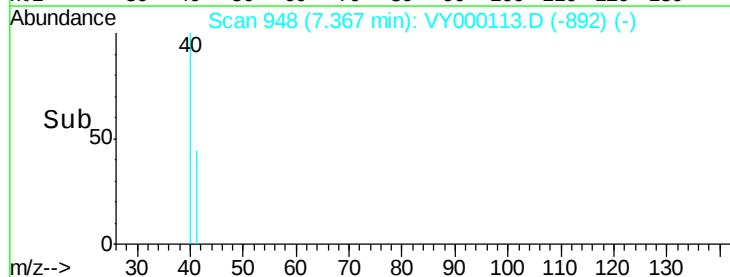
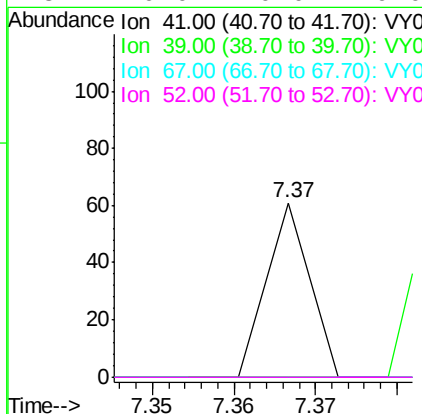
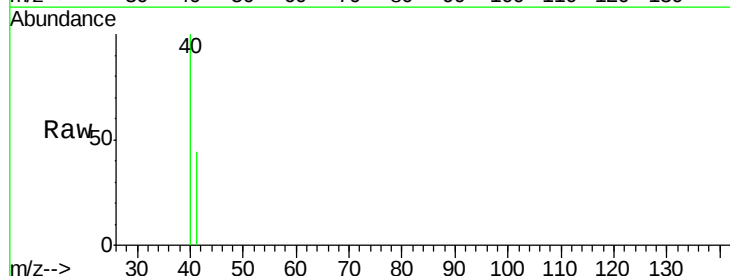
Instrument :
 MSVOA_Y
 ClientSampleId :

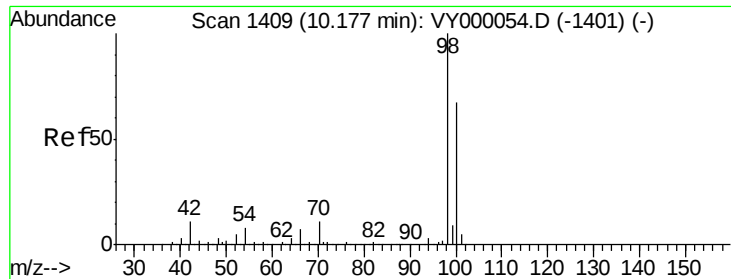
Tot Ion:117 Resp: 5621
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.0 112.6#
 121 0.0 22.8 34.2#



#41
 Methacrylonitrile
 Concen: 4.358 ug/l
 RT: 7.37 min Scan# 948
 Delta R.T. 0.04 min
 Lab File: VY000113.D
 Acq: 20 Sep 2019 17:14

Tgt Ion: 41 Resp: 22
 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

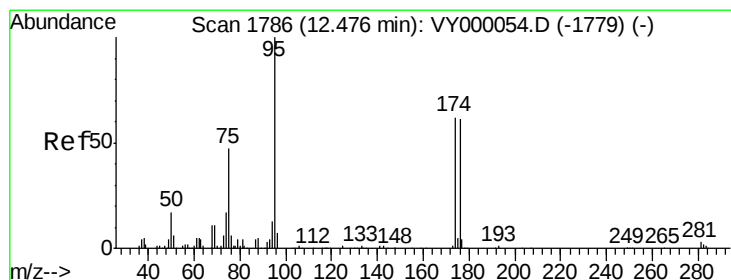
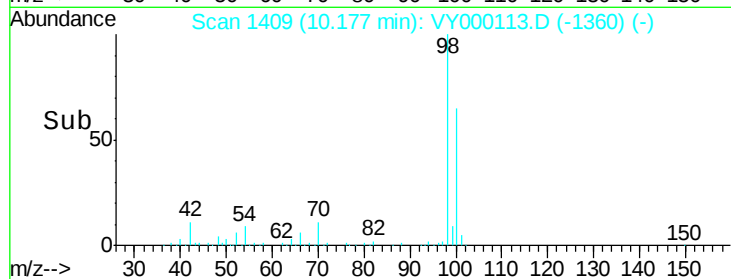
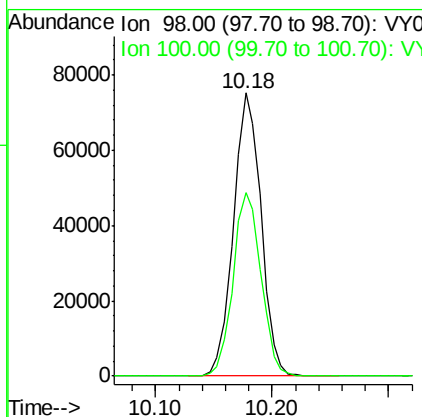
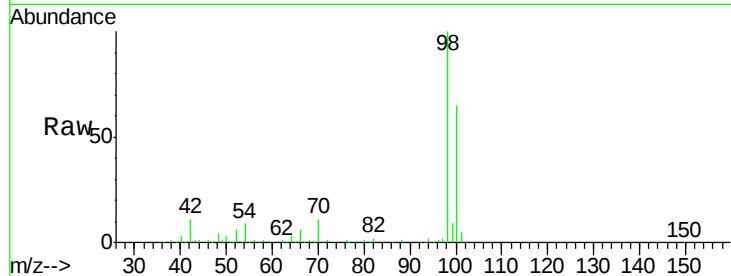




#50
Toluene-d8
Concen: 49.946 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000113.D
Acq: 20 Sep 2019 17:14

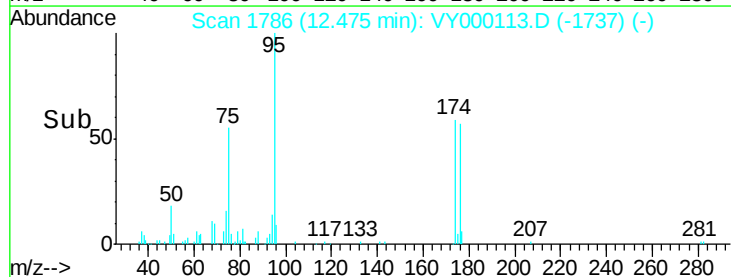
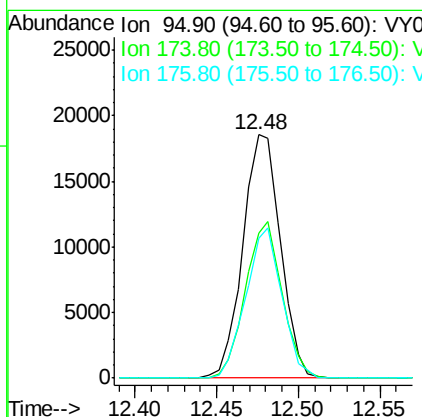
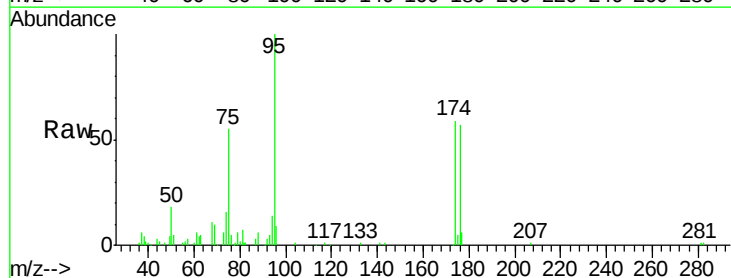
Instrument :
MSVOA_Y
ClientSampleId :

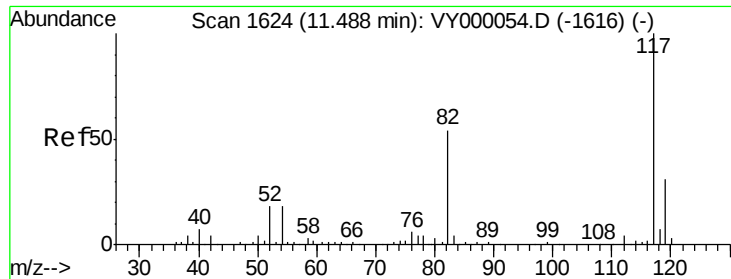
Tot Ion: 98 Resp: 124341
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 32.317 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000113.D
Acq: 20 Sep 2019 17:14

Tgt Ion: 95 Resp: 29870
Ion Ratio Lower Upper
95 100
174 62.8 0.0 137.2
176 59.1 0.0 135.0

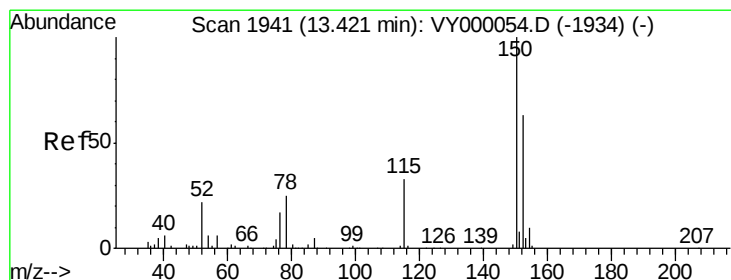
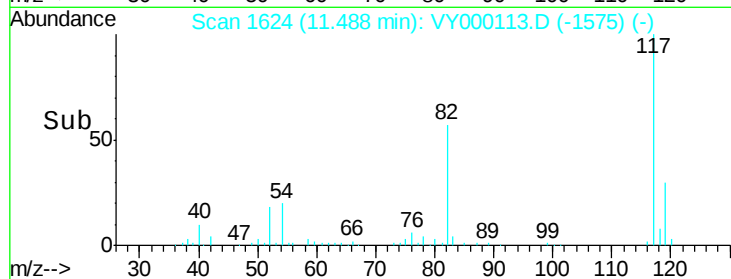
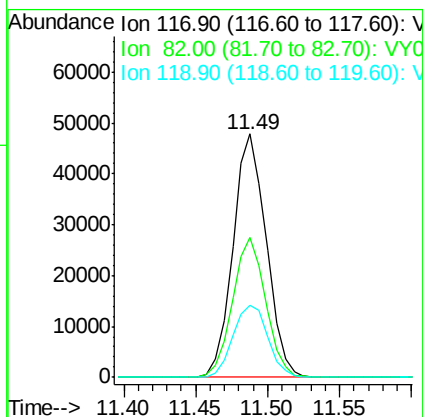
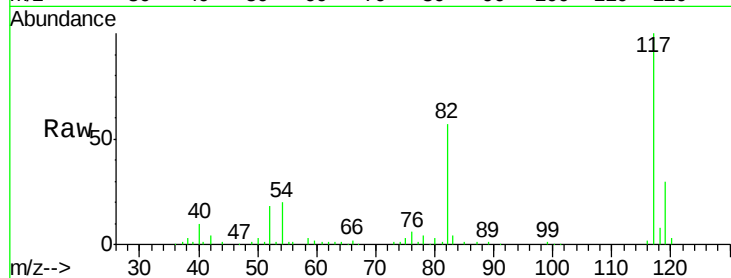




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000113.D
Acq: 20 Sep 2019 17:14

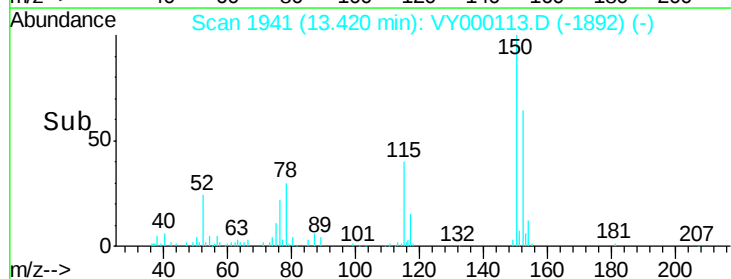
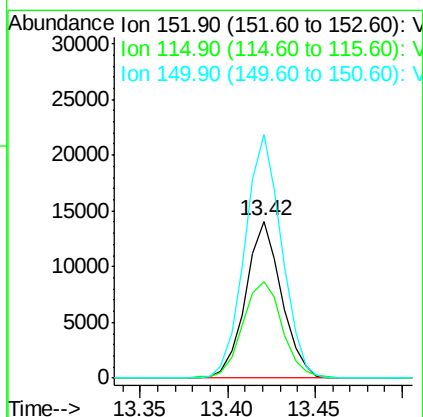
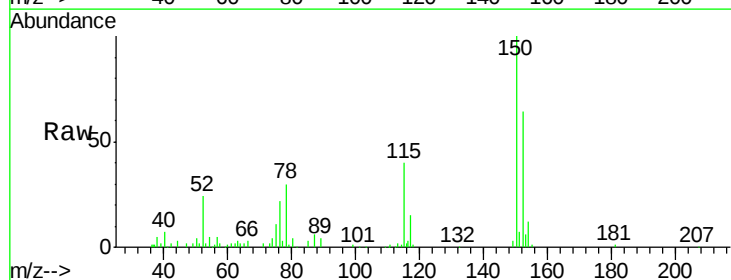
Instrument :
MSVOA_Y
ClientSampleId :

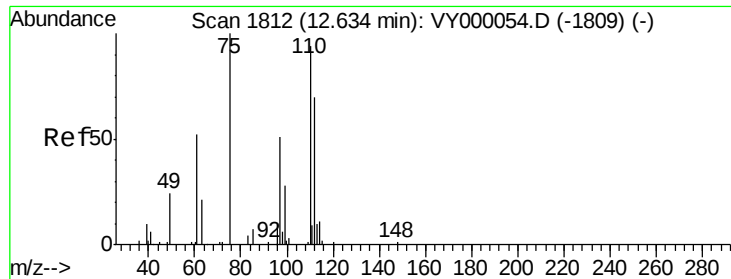
Tot Ion:117 Resp: 76849
Ion Ratio Lower Upper
117 100
82 57.4 43.5 65.3
119 29.5 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000113.D
Acq: 20 Sep 2019 17:14

Tgt Ion:152 Resp: 20101
Ion Ratio Lower Upper
152 100
115 67.8 30.7 92.1
150 158.9 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 51.050 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

Instrument :

MSVOA_Y

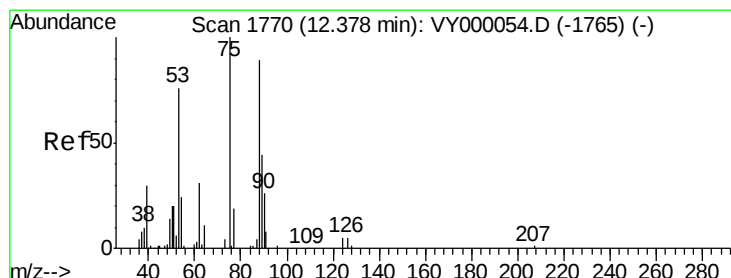
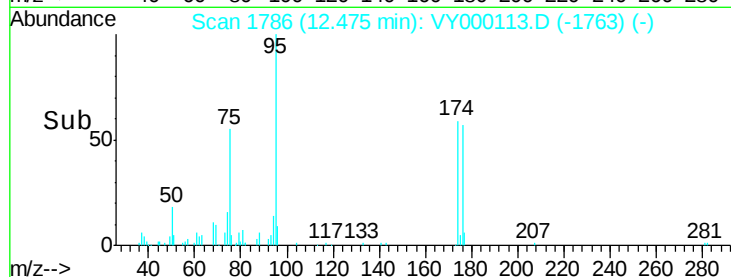
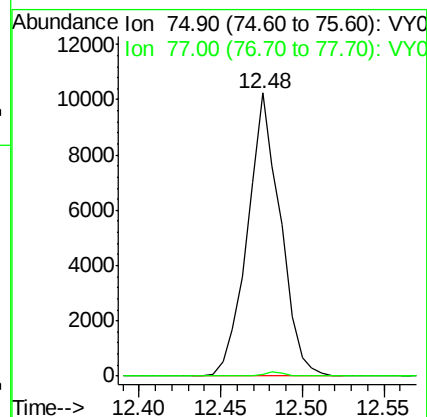
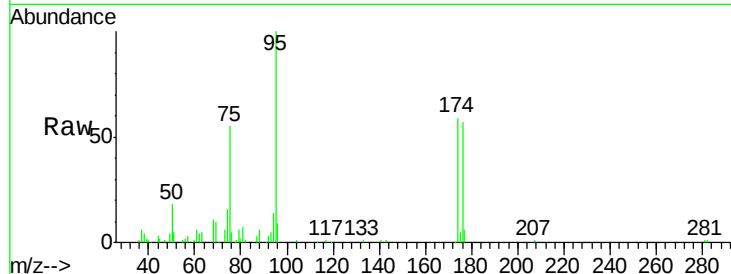
ClientSampled :

Tot Ion: 75 Resp: 14438

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.182 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000113.D

Acq: 20 Sep 2019 17:14

Tgt Ion: 75 Resp: 14438

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#

