

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000096.D
 Acq On : 20 Sep 2019 10:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:44:33 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	102292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	198620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	171525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	76986	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	60742	51.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.22%	
35) Dibromofluoromethane	7.72	113	58259	48.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.88%	
50) Toluene-d8	10.18	98	241932	51.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.48	95	84553	48.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	36122	51.322	ug/l	93
3) Chloromethane	2.11	50	42987	45.816	ug/l	99
4) Vinyl Chloride	2.25	62	51610	45.217	ug/l	96
5) Bromomethane	2.64	94	32697	45.840	ug/l	91
6) Chloroethane	2.79	64	35779	46.765	ug/l	96
7) Trichlorofluoromethane	3.12	101	75680	47.955	ug/l	96
8) Diethyl Ether	3.53	74	33968	50.269	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	55118	50.908	ug/l	98
10) Methyl Iodide	4.09	142	57635	51.189	ug/l	99
11) Tert butyl alcohol	4.97	59	31294	224.298	ug/l	100
12) 1,1-Dichloroethene	3.87	96	49219	49.314	ug/l	98
13) Acrolein	3.73	56	9901	125.644	ug/l	100
14) Allyl chloride	4.48	41	77018	50.488	ug/l	99
15) Acrylonitrile	5.17	53	97431	240.453	ug/l	98
16) Acetone	3.95	43	57514	209.893	ug/l	96
17) Carbon Disulfide	4.19	76	87600	49.908	ug/l	99
18) Methyl Acetate	4.48	43	41636	45.481	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	160420	51.432	ug/l	99
20) Methylene Chloride	4.71	84	60745	47.125	ug/l	96
21) trans-1,2-Dichloroethene	5.21	96	54067	48.732	ug/l	99
22) Diisopropyl ether	6.12	45	181933	52.787	ug/l	94
23) Vinyl Acetate	6.06	43	590922	256.175	ug/l	97
24) 1,1-Dichloroethane	6.02	63	103716	50.843	ug/l	96
25) 2-Butanone	6.99	43	110012	221.658	ug/l	96
26) 2,2-Dichloropropane	6.98	77	96056	49.895	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	72526	51.629	ug/l	99
28) Bromochloromethane	7.34	49	49390	52.233	ug/l	97
29) Tetrahydrofuran	7.35	42	70843	237.769	ug/l	96
30) Chloroform	7.51	83	109539	52.033	ug/l	98
31) Cyclohexane	7.78	56	74578	51.672	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	86482	50.577	ug/l	97
36) 1,1-Dichloropropene	7.92	75	73246	49.319	ug/l	97
37) Ethyl Acetate	7.08	43	48444	48.936	ug/l	96
38) Carbon Tetrachloride	7.90	117	73917	52.734	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	89484	49.001	ug/l	94
40) Benzene	8.16	78	243562	49.654	ug/l	96
41) Methacrylonitrile	7.32	41	24872	35.560	ug/l #	50
42) 1,2-Dichloroethane	8.24	62	68534	52.747	ug/l	98
43) Isopropyl Acetate	8.27	43	92843	47.955	ug/l	98
44) Trichloroethene	8.94	130	61993	49.470	ug/l	91
45) 1,2-Dichloropropane	9.22	63	62670	49.320	ug/l	98
46) Dibromomethane	9.31	93	34486	49.688	ug/l	99
47) Bromodichloromethane	9.50	83	86848	51.567	ug/l	96
48) Methyl methacrylate	9.29	41	41654	48.921	ug/l	99
49) 1,4-Dioxane	9.30	88	11210	831.884	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	258523	244.568	ug/l	100
52) Toluene	10.24	92	156234	50.132	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	90539	50.701	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	105453	51.137	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	55178	50.709	ug/l	97
56) Ethyl methacrylate	10.51	69	78056	50.412	ug/l	98
57) 1,3-Dichloropropane	10.79	76	90451	49.485	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	198776	237.484	ug/l	99
59) 2-Hexanone	10.83	43	192801	255.664	ug/l	96
60) Dibromochloromethane	10.99	129	60385	52.971	ug/l	96
61) 1,2-Dibromoethane	11.09	107	50011	50.319	ug/l	99
64) Tetrachloroethene	10.72	164	54541	50.662	ug/l	94
65) Chlorobenzene	11.51	112	171321	50.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	59503	51.870	ug/l	98
67) Ethyl Benzene	11.59	91	302181	49.906	ug/l	100
68) m/p-Xylenes	11.70	106	239000	103.735	ug/l	99
69) o-Xylene	12.02	106	116828	52.369	ug/l	97
70) Styrene	12.04	104	204659	52.258	ug/l	100
71) Bromoform	12.21	173	34402	51.801	ug/l #	98
73) Isopropylbenzene	12.33	105	307497	49.562	ug/l	100
74) N-amyl acetate	12.14	43	89927	50.878	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	70347	48.167	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	89901	82.997	ug/l #	100
77) Bromobenzene	12.61	156	65799	50.789	ug/l	95
78) n-propylbenzene	12.67	91	376068	49.691	ug/l	99
79) 2-Chlorotoluene	12.76	91	208392	49.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	259275	50.448	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	25885	45.960	ug/l	97
82) 4-Chlorotoluene	12.85	91	218518	49.947	ug/l	98
83) tert-Butylbenzene	13.07	119	219056	49.819	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	257539	50.828	ug/l	99
85) sec-Butylbenzene	13.25	105	324629	49.971	ug/l	98
86) p-Isopropyltoluene	13.37	119	278499	50.576	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	129760	50.492	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	131868	51.065	ug/l	98
89) n-Butylbenzene	13.69	91	288543	50.936	ug/l	99
90) Hexachloroethane	13.96	117	54358	50.234	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	127143	52.658	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12178	46.832	ug/l	97

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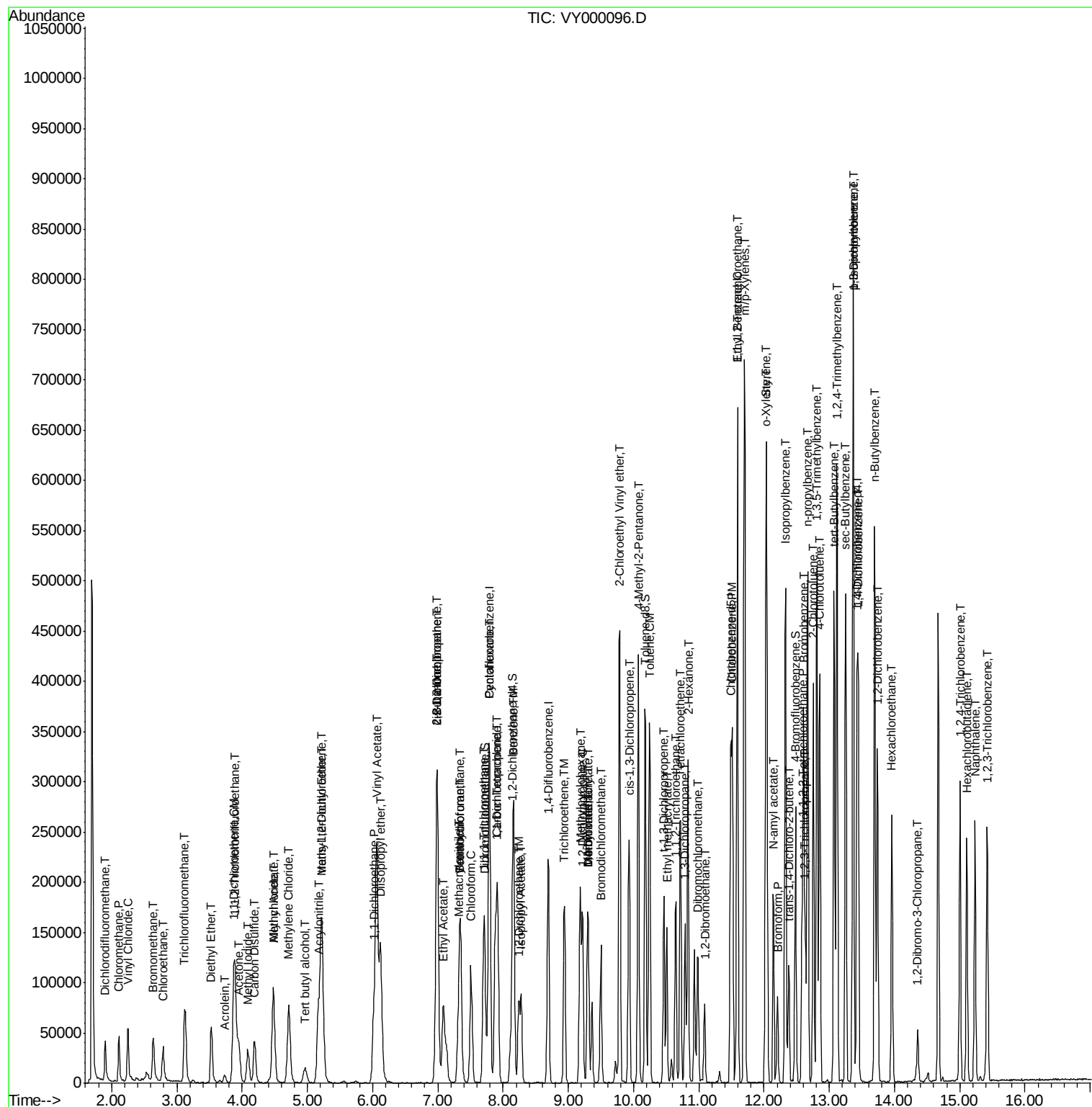
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	79724	54.720	ug/l	95
94) Hexachlorobutadiene	15.11	225	37000	52.894	ug/l	100
95) Naphthalene	15.23	128	205646	49.722	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	71974	51.764	ug/l	99

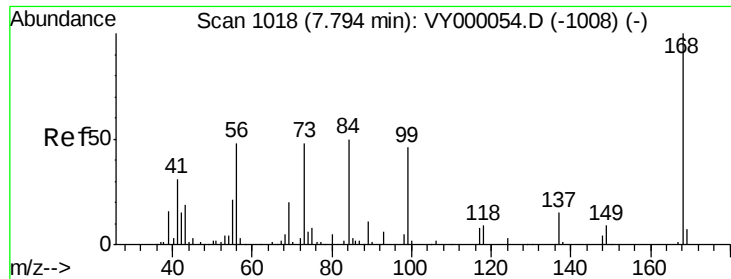
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000096.D

Acq: 20 Sep 2019 10:07

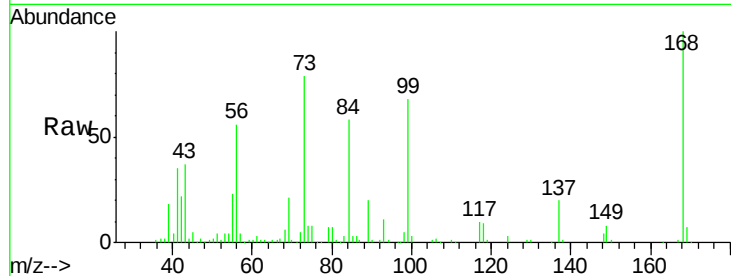
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 102292

Ion Ratio Lower Upper

168 100

99 68.2 44.2 66.2#

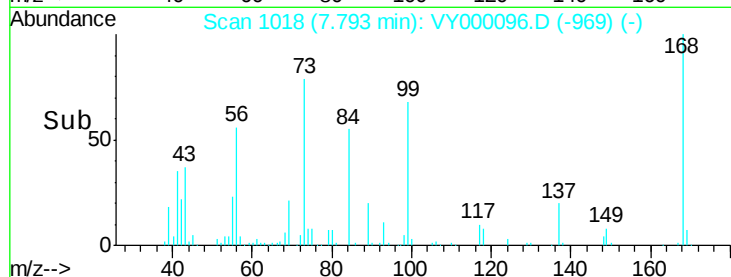


Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

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

7.79

Time-->

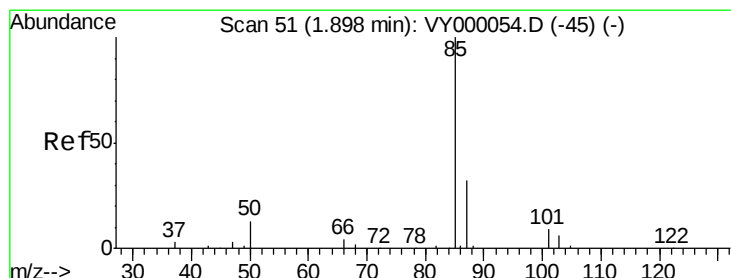


Abundance Ion 167.90 (167.60 to 168.60): VY000096.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000096.D (-969) (-)

7.79

Time-->



#2

Dichlorodifluoromethane

Concen: 51.322 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000096.D

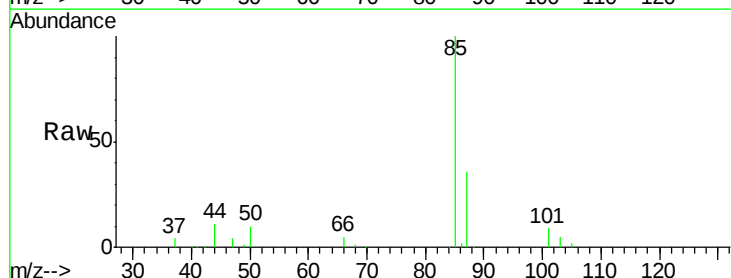
Acq: 20 Sep 2019 10:07

Tgt Ion: 85 Resp: 36122

Ion Ratio Lower Upper

85 100

87 36.3 16.2 48.5

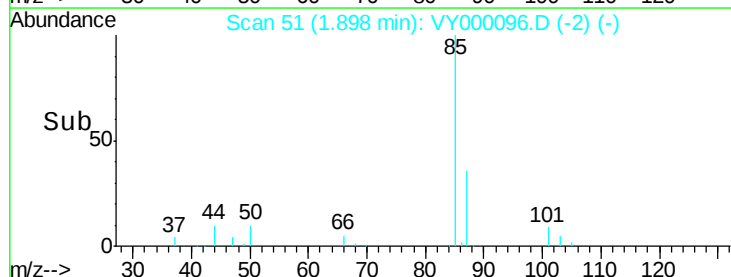


Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.90

Time-->

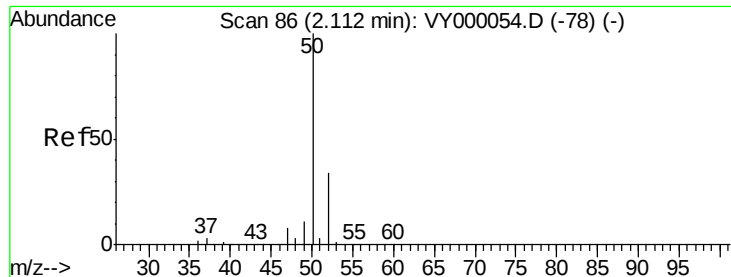


Abundance Ion 84.90 (84.60 to 85.60): VY000096.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000096.D (-2) (-)

1.90

Time-->



#3

Chloromethane

Concen: 45.816 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

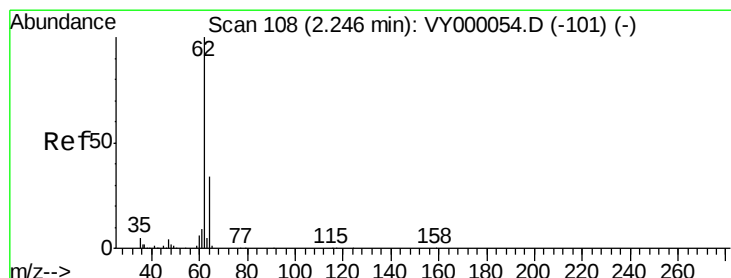
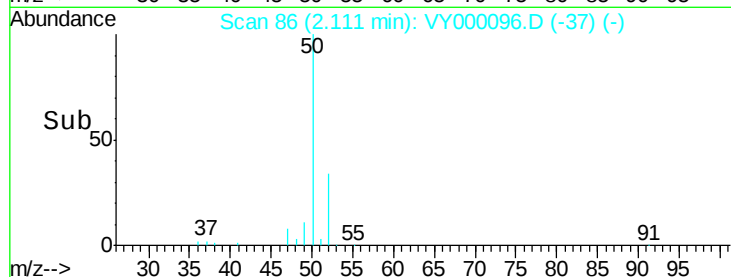
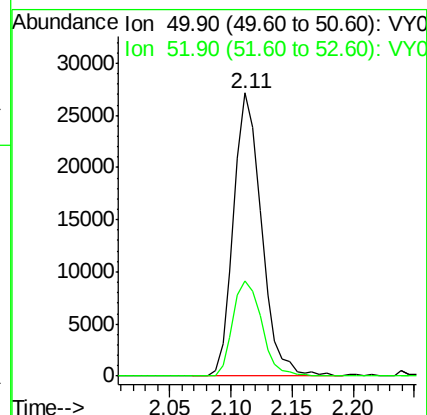
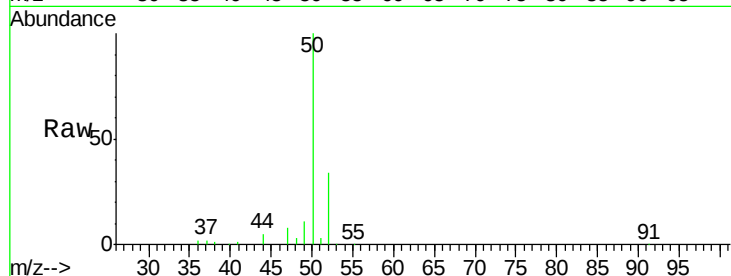
ClientSampled :

Tot Ion: 50 Resp: 42987

Ion Ratio Lower Upper

50 100

52 33.6 27.3 40.9



#4

Vinyl Chloride

Concen: 45.217 ug/l

RT: 2.25 min Scan# 109

Delta R.T. 0.01 min

Lab File: VY000096.D

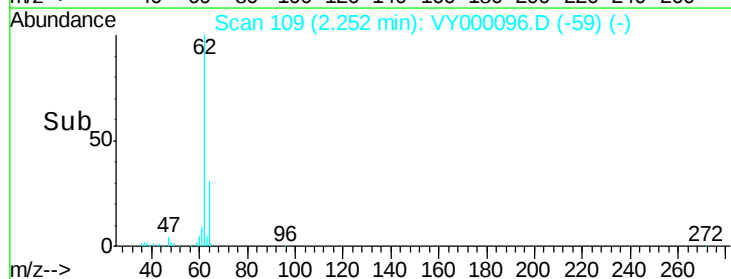
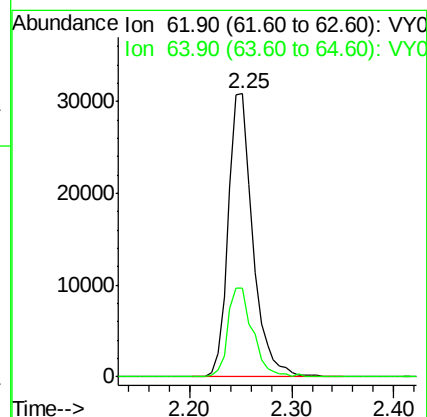
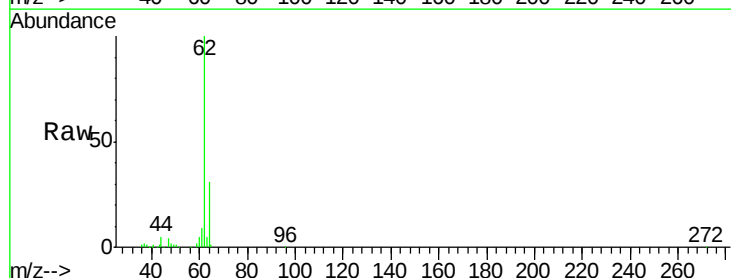
Acq: 20 Sep 2019 10:07

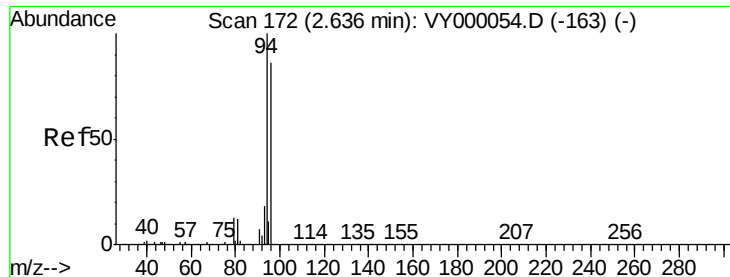
Tgt Ion: 62 Resp: 51610

Ion Ratio Lower Upper

62 100

64 31.3 26.9 40.3





#5

Bromomethane

Concen: 45.840 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

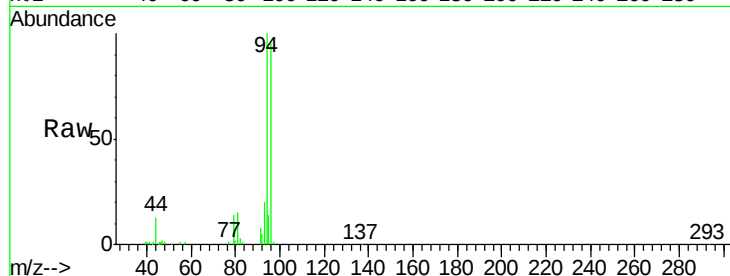
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 32697

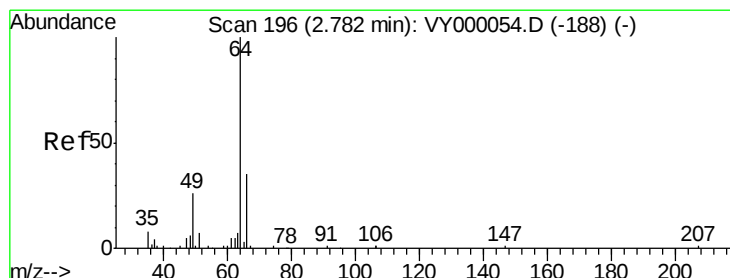
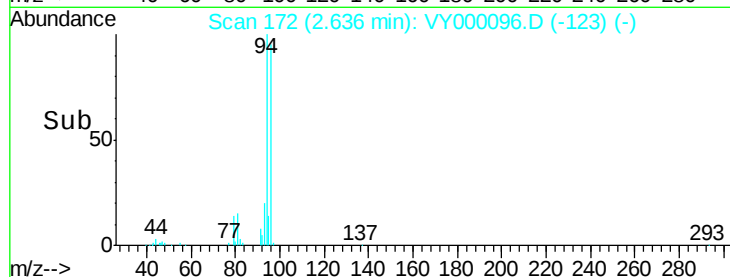
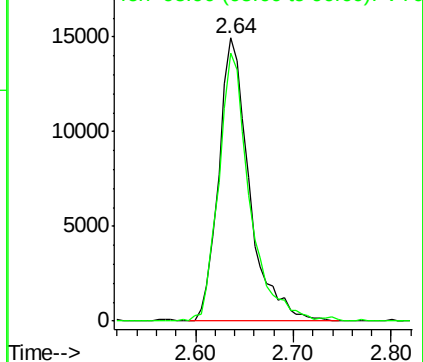
Ion Ratio Lower Upper

94 100

96 94.7 69.1 103.7



Abundance Ion 93.90 (93.60 to 94.60): VY0
Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 46.765 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VY000096.D

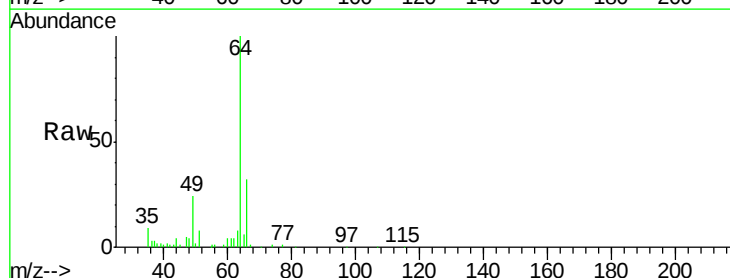
Acq: 20 Sep 2019 10:07

Tgt Ion: 64 Resp: 35779

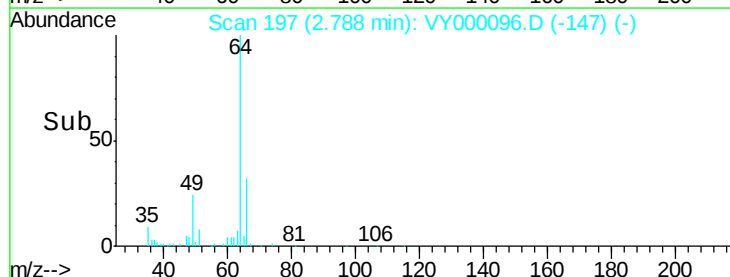
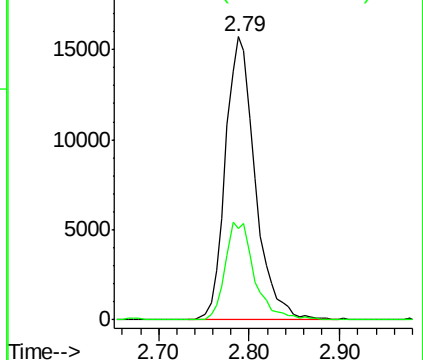
Ion Ratio Lower Upper

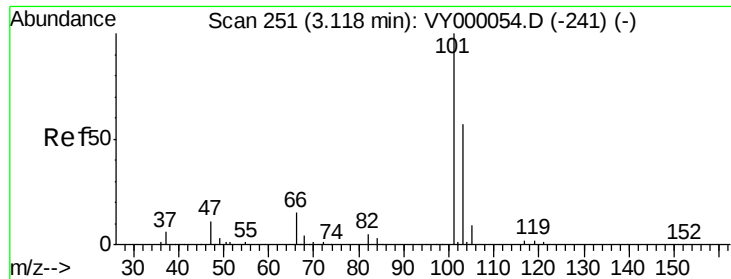
64 100

66 32.5 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



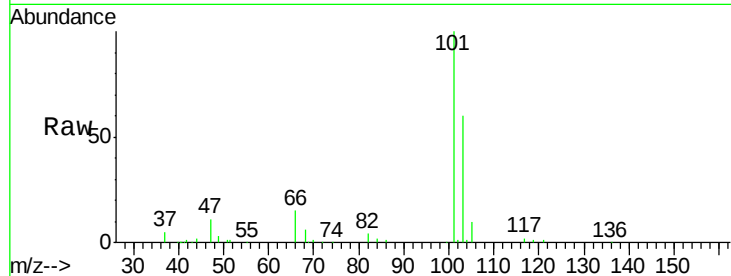


#7

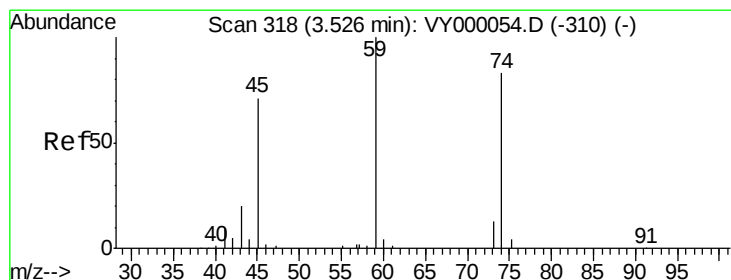
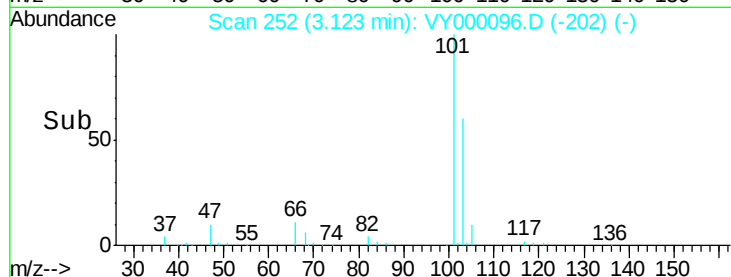
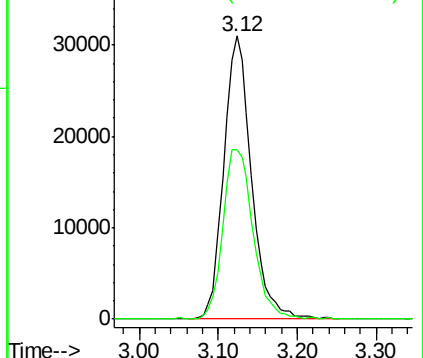
Trichlorofluoromethane
Concen: 47.955 ug/l
RT: 3.12 min Scan# 252
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:101 Resp: 75680
Ion Ratio Lower Upper
101 100
103 60.1 45.7 68.5



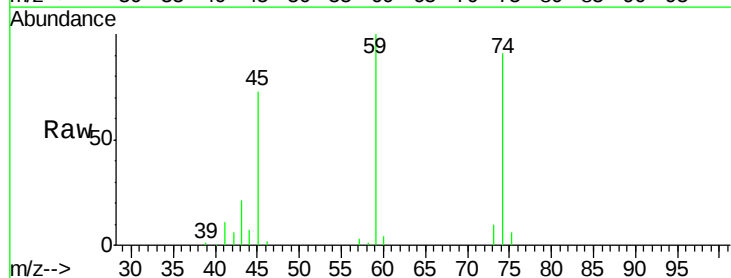
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



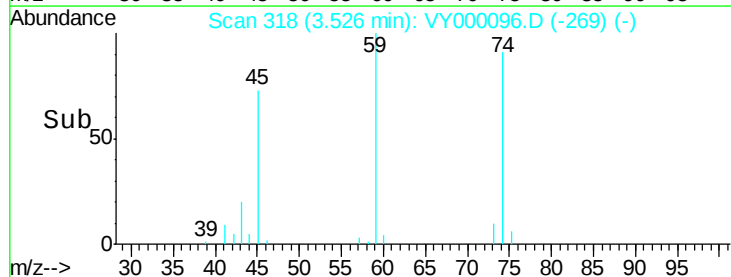
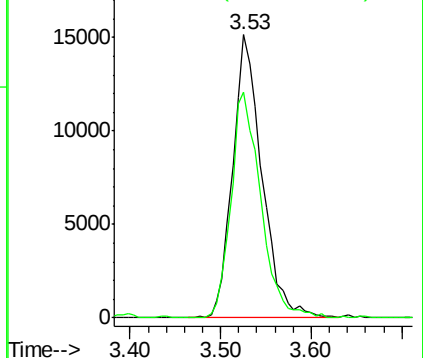
#8

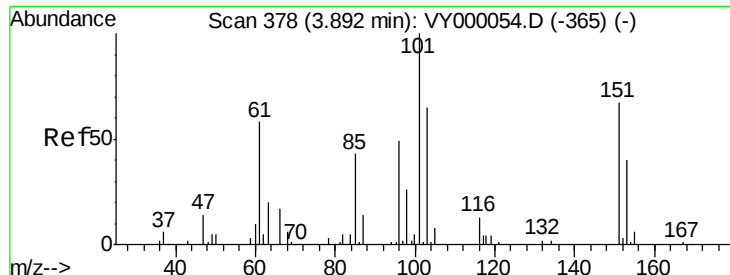
Diethyl Ether
Concen: 50.269 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 74 Resp: 33968
Ion Ratio Lower Upper
74 100
45 81.2 40.6 122.0



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.908 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampled :

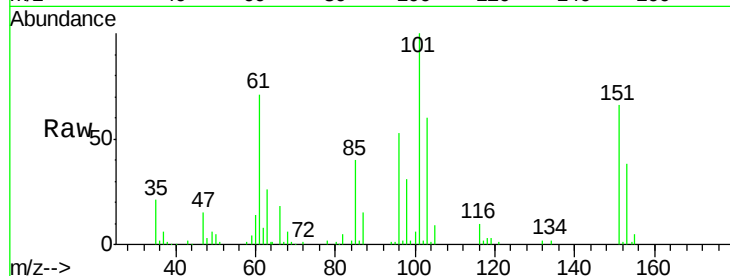
Tot Ion:101 Resp: 55118

Ion Ratio Lower Upper

101 100

85 43.8 36.8 55.2

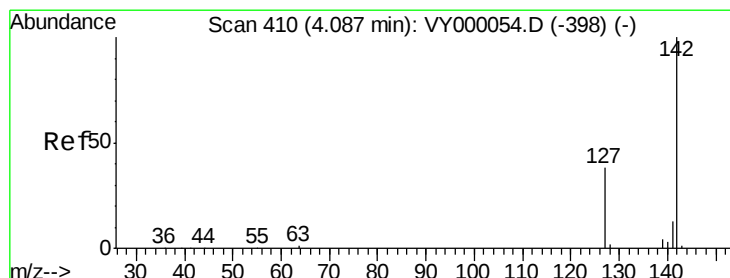
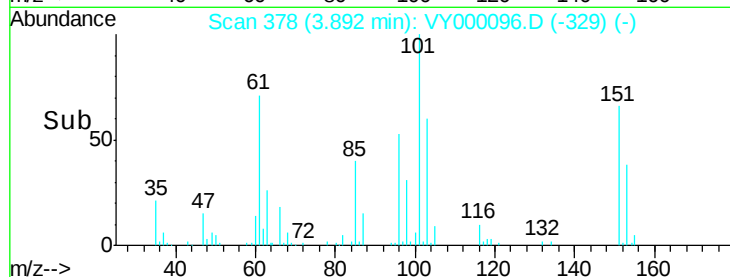
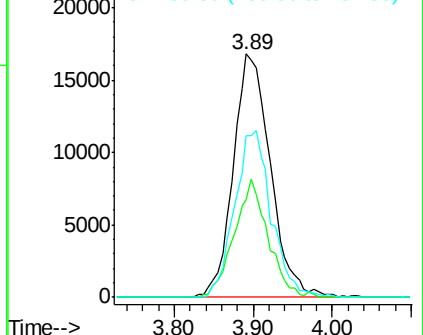
151 67.6 54.4 81.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.189 ug/l

RT: 4.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

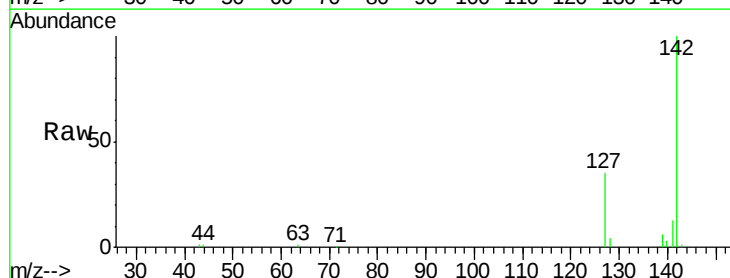
Tgt Ion:142 Resp: 57635

Ion Ratio Lower Upper

142 100

127 38.9 31.6 47.4

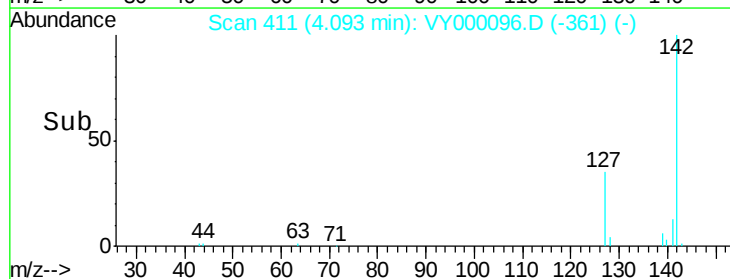
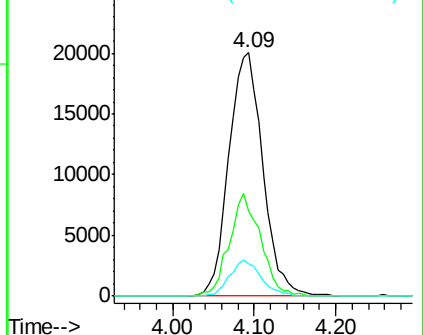
141 13.6 10.9 16.3

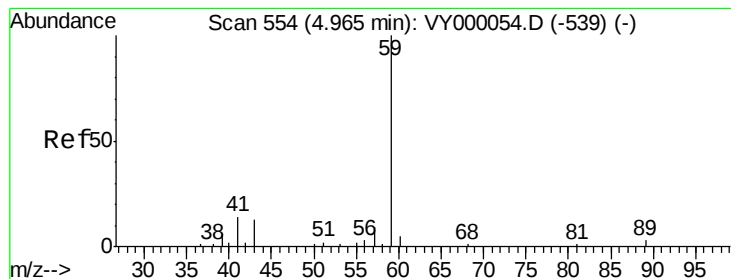


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



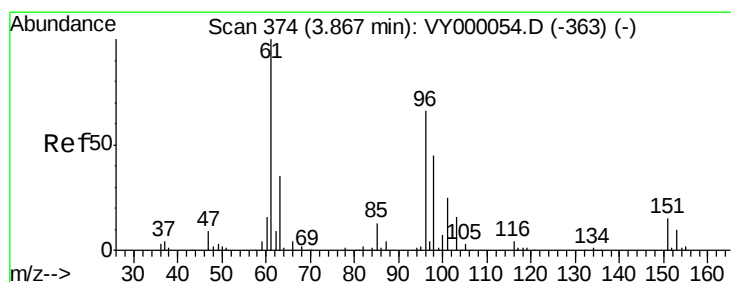
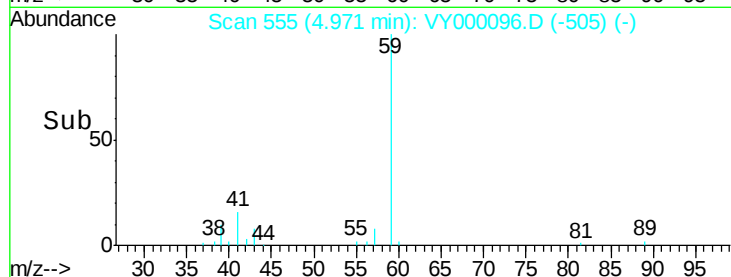
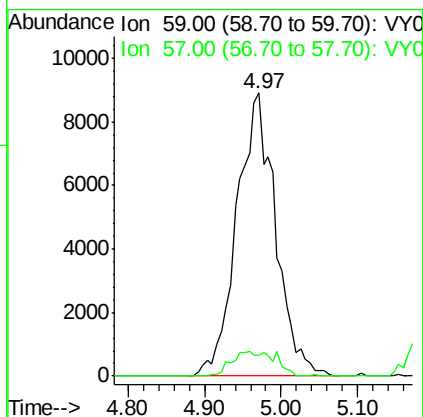
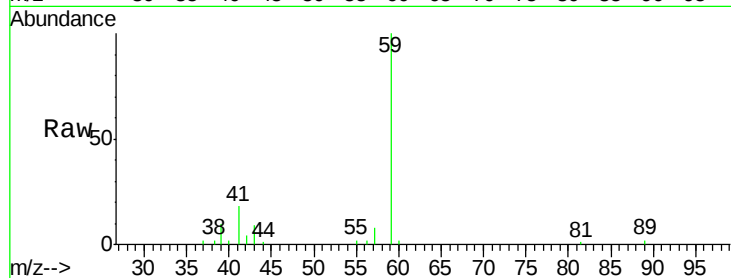


#11

Tert butyl alcohol
Concen: 224.298 ug/l
RT: 4.97 min Scan# 555
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Instrument :
MSVOA_Y
ClientSampleId :

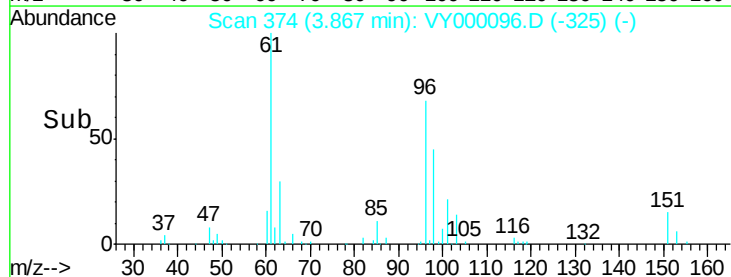
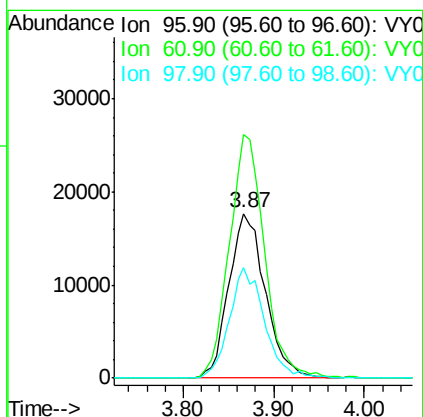
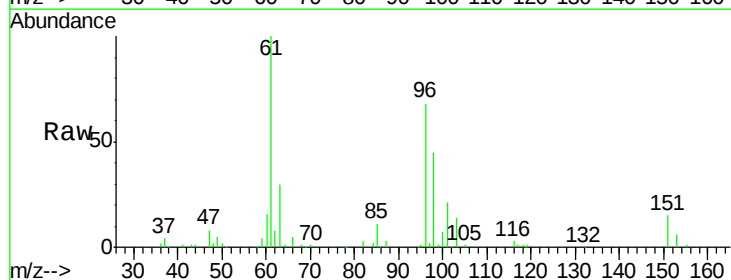
Tot Ion: 59 Resp: 31294
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0

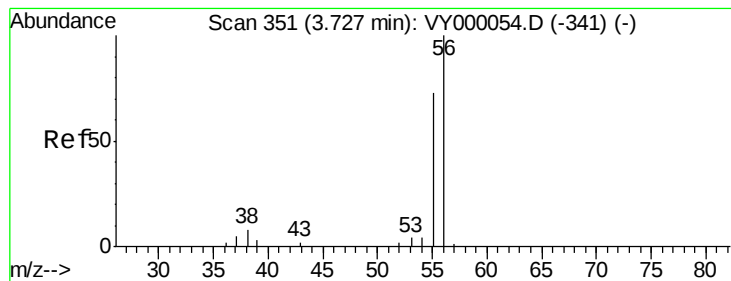


#12

1,1-Dichloroethene
Concen: 49.314 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 96 Resp: 49219
Ion Ratio Lower Upper
96 100
61 147.7 120.4 180.6
98 66.7 54.1 81.1





#13

Acrolein

Concen: 125.644 ug/l

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

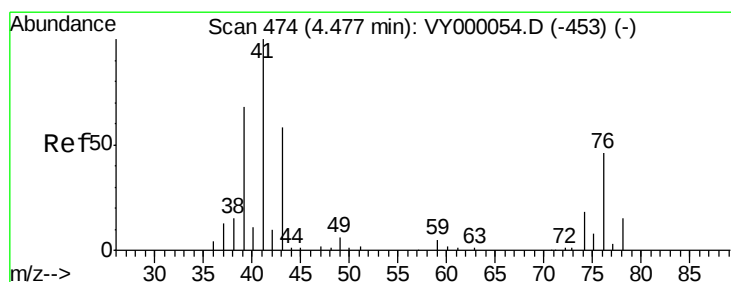
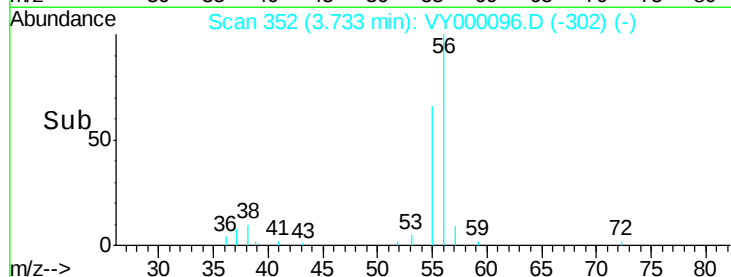
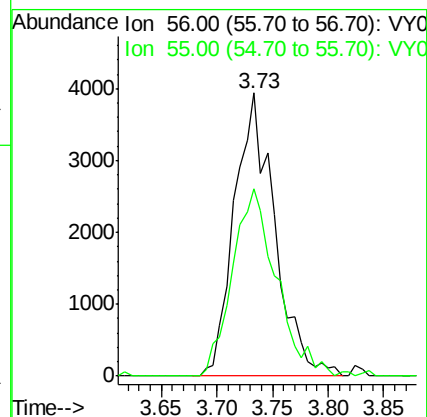
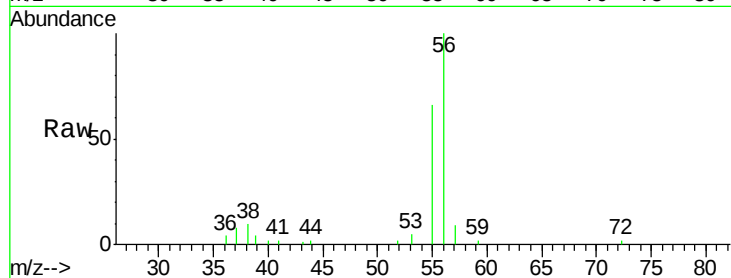
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 9901

Ion Ratio Lower Upper

56 100

55 72.3 57.8 86.8



#14

Allyl chloride

Concen: 50.488 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

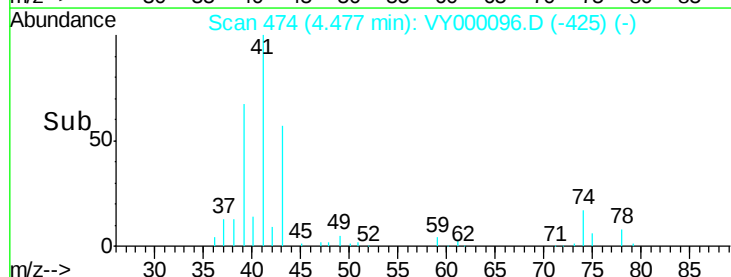
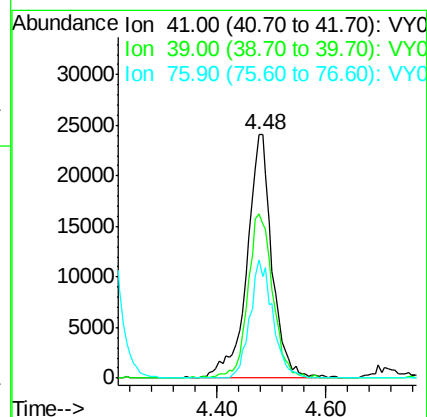
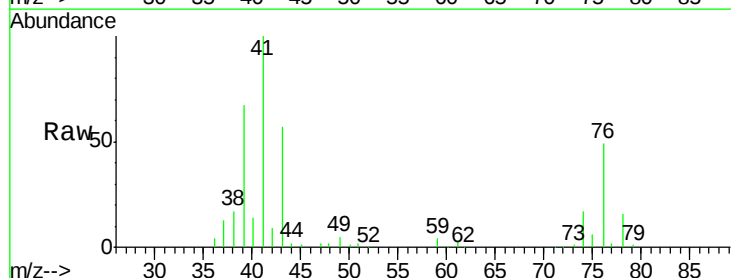
Tgt Ion: 41 Resp: 77018

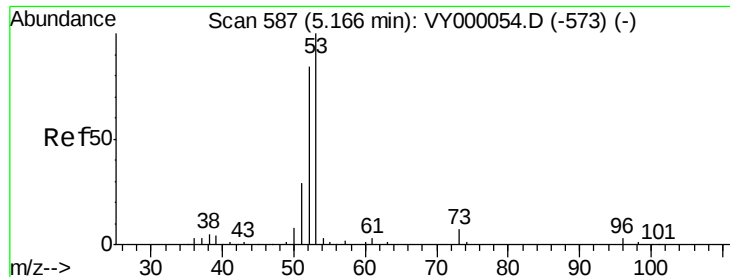
Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

76 43.9 35.5 53.3





#15

Acrylonitrile

Concen: 240.453 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

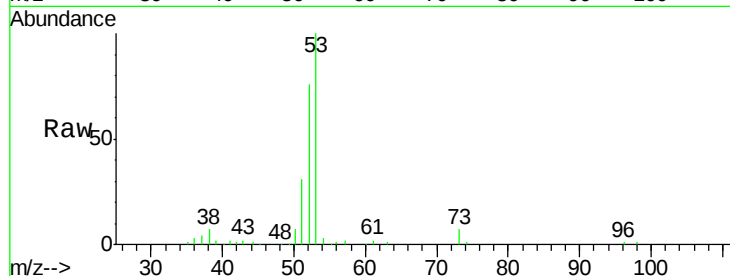
Tot Ion: 53 Resp: 97431

Ion Ratio Lower Upper

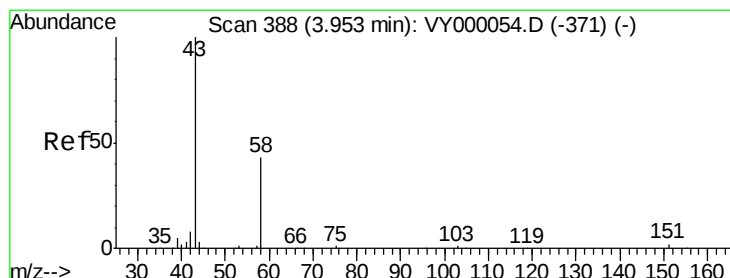
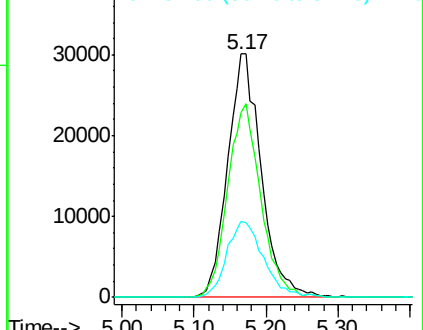
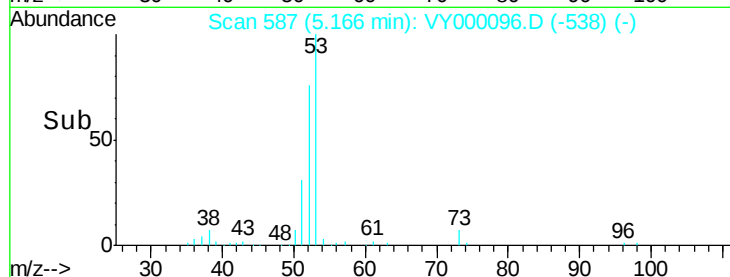
53 100

52 78.4 64.7 97.1

51 34.3 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY000096.D (-538) (-)



#16

Acetone

Concen: 209.893 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000096.D

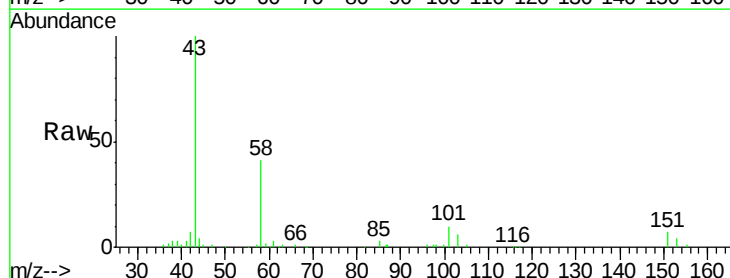
Acq: 20 Sep 2019 10:07

Tgt Ion: 43 Resp: 57514

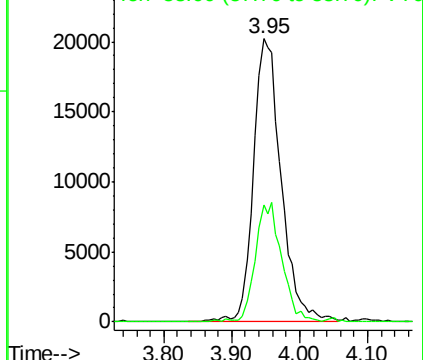
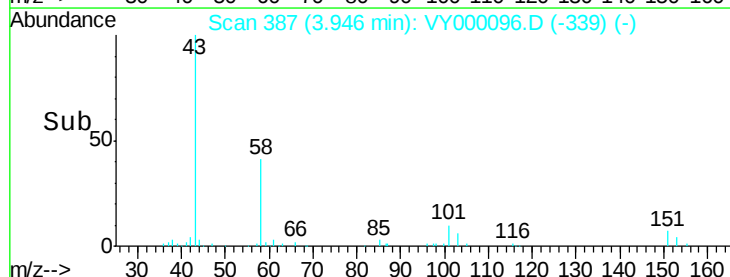
Ion Ratio Lower Upper

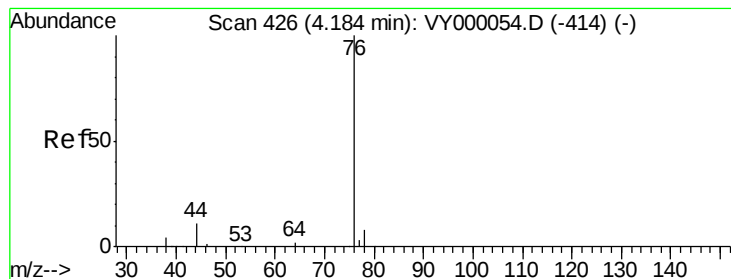
43 100

58 40.8 34.5 51.7



Abundance Ion 43.00 (42.70 to 43.70): VY000096.D (-339) (-)





#17

Carbon Disulfide

Concen: 49.908 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

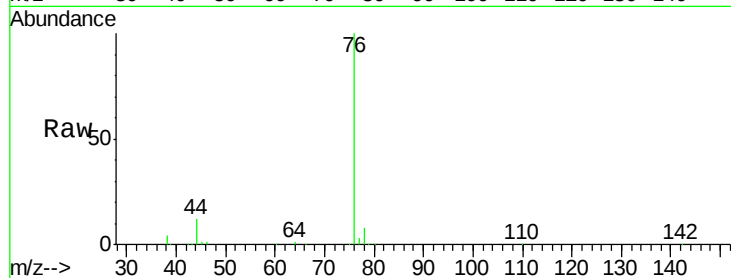
ClientSampleId :

Tot Ion: 76 Resp: 87600

Ion Ratio Lower Upper

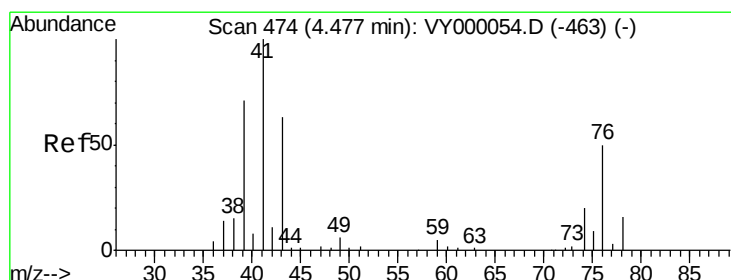
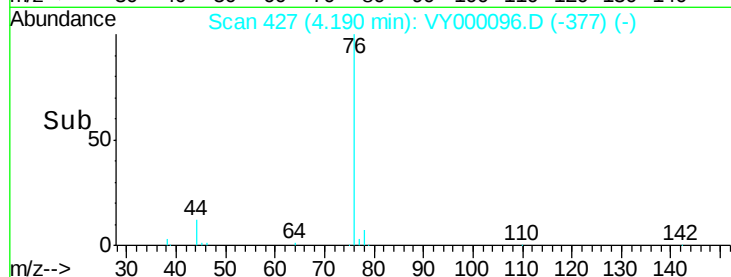
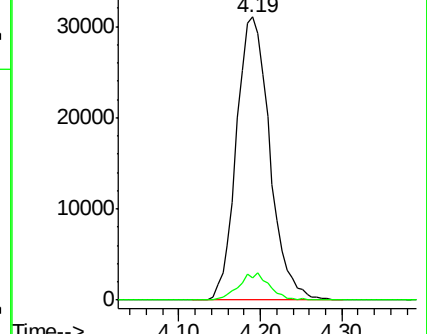
76 100

78 7.8 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 45.481 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000096.D

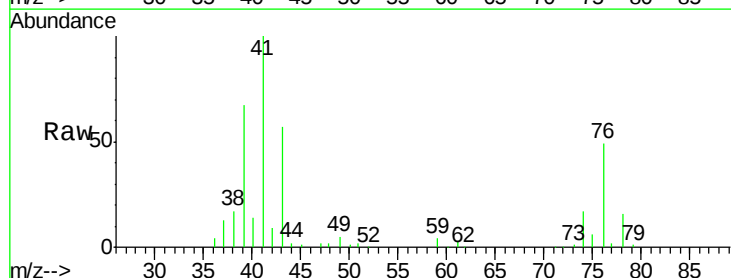
Acq: 20 Sep 2019 10:07

Tgt Ion: 43 Resp: 41636

Ion Ratio Lower Upper

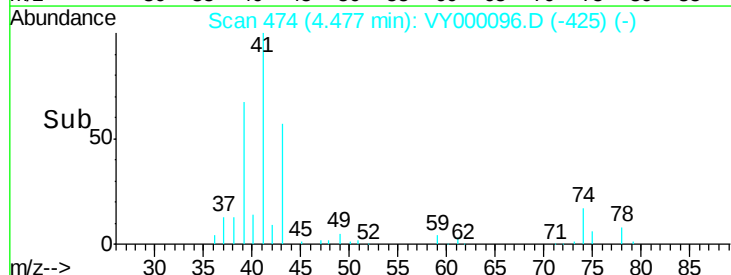
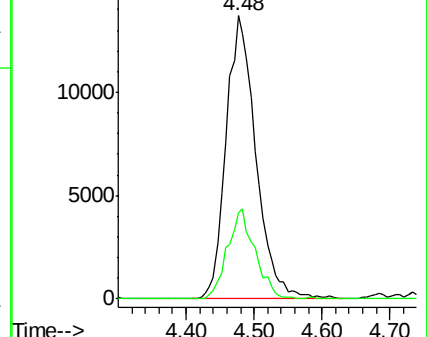
43 100

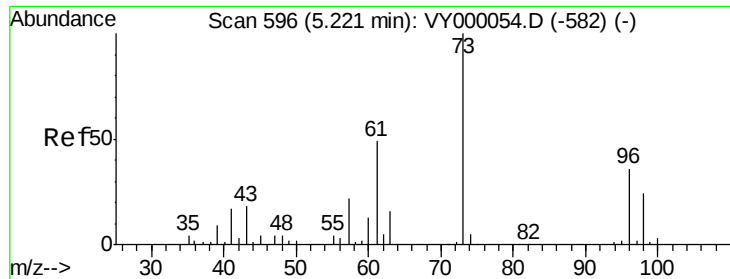
74 29.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

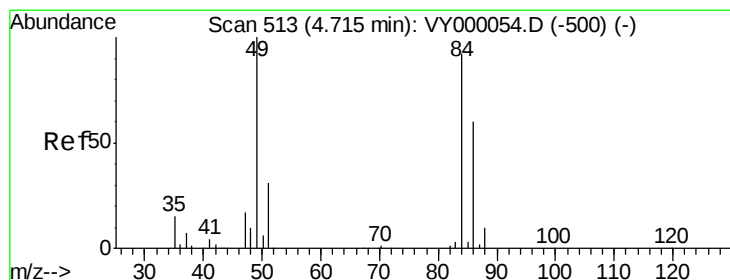
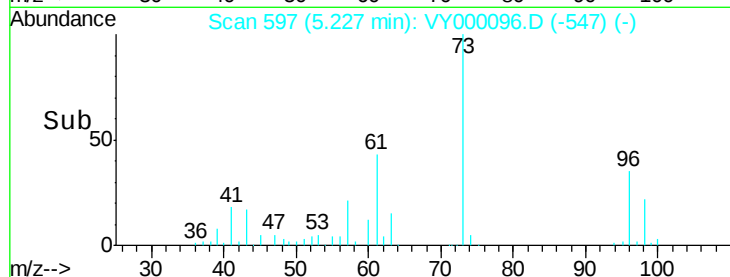
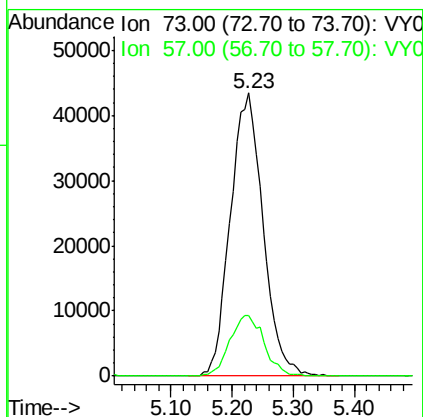
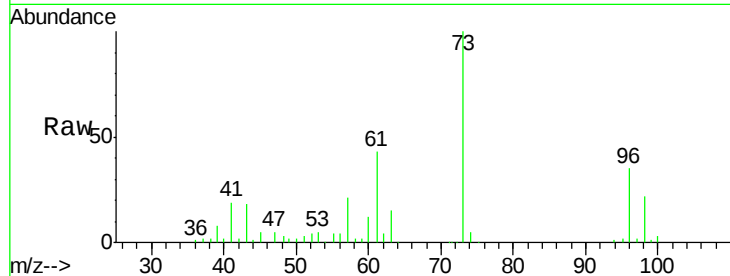




#19
Methvl tert-butvl Ether
Concen: 51.432 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

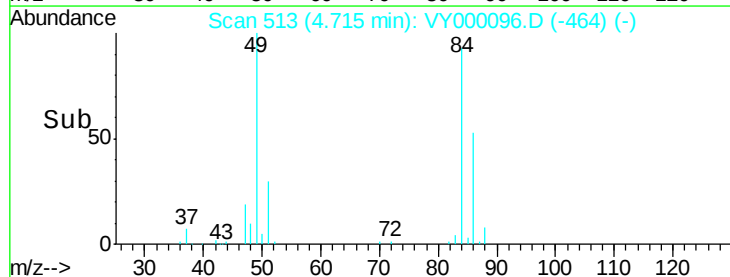
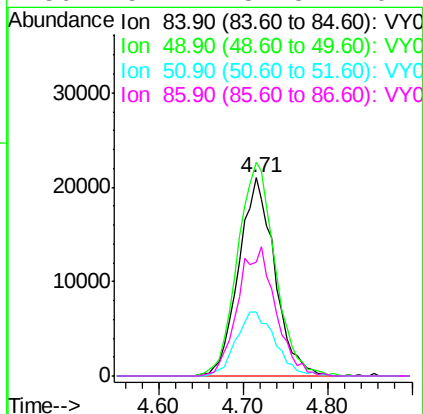
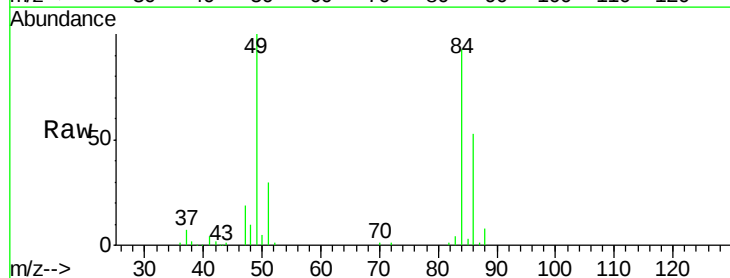
Instrument :
MSVOA_Y
ClientSampled :

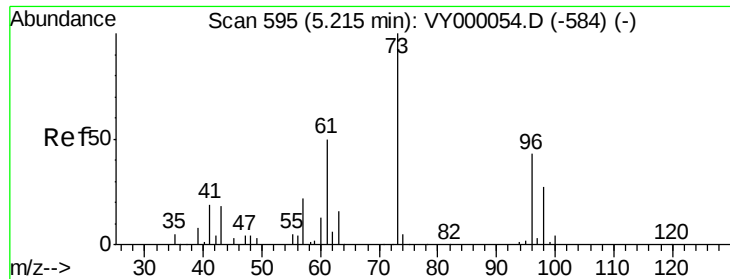
Tot Ion: 73 Resp: 160420
Ion Ratio Lower Upper
73 100
57 21.4 17.5 26.3



#20
Methylene Chloride
Concen: 47.125 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 84 Resp: 60745
Ion Ratio Lower Upper
84 100
49 107.9 87.4 131.0
51 32.7 27.2 40.8
86 57.7 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 48.732 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampled :

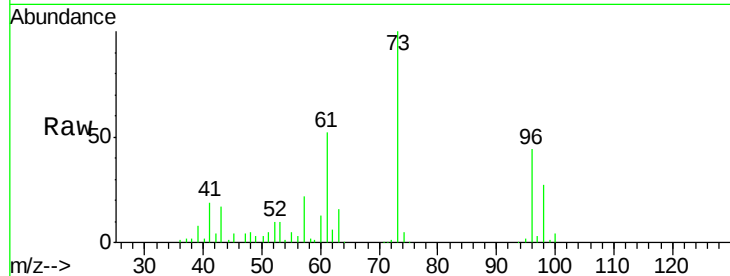
Tot Ion: 96 Resp: 54067

Ion Ratio Lower Upper

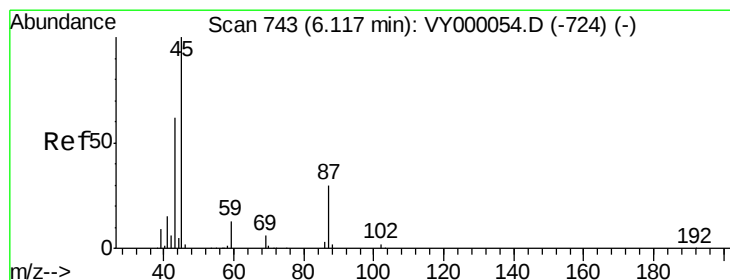
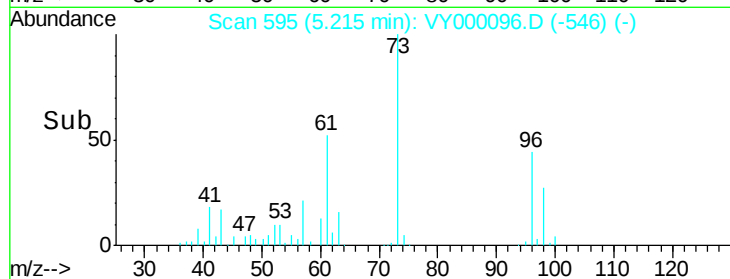
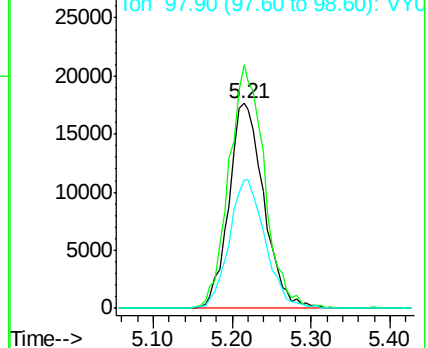
96 100

61 118.8 94.0 141.0

98 62.5 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 52.787 ug/l

RT: 6.12 min Scan# 744

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Tgt Ion: 45 Resp: 181933

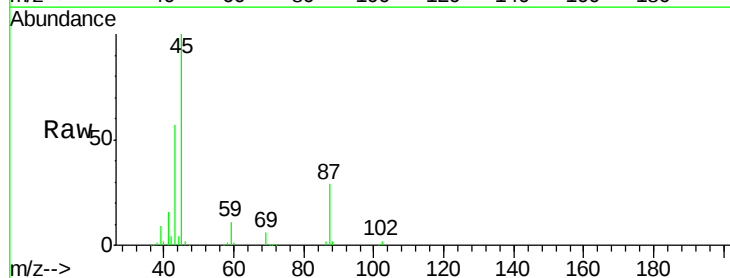
Ion Ratio Lower Upper

45 100

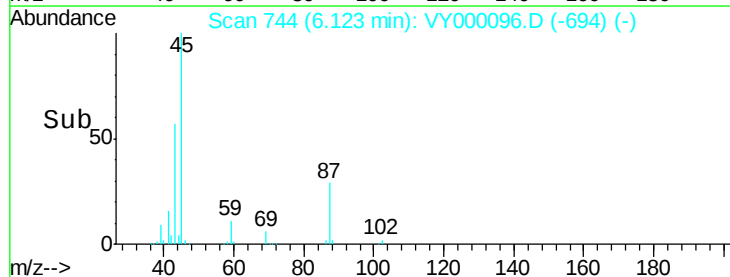
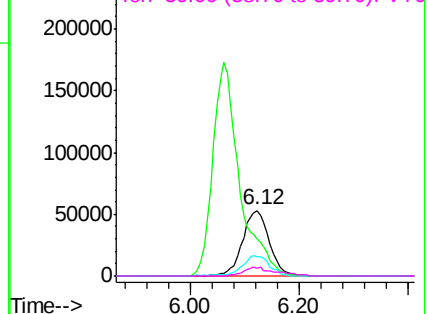
43 57.2 49.9 74.9

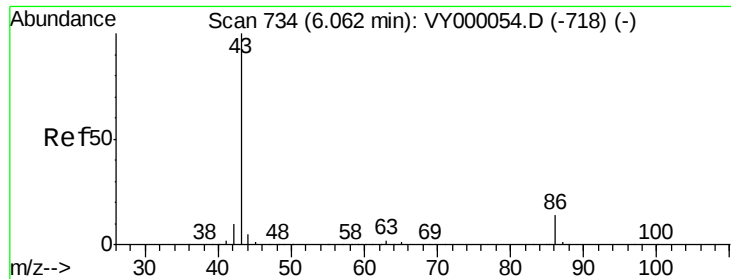
87 29.1 25.0 37.4

59 11.3 10.4 15.6



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 256.175 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

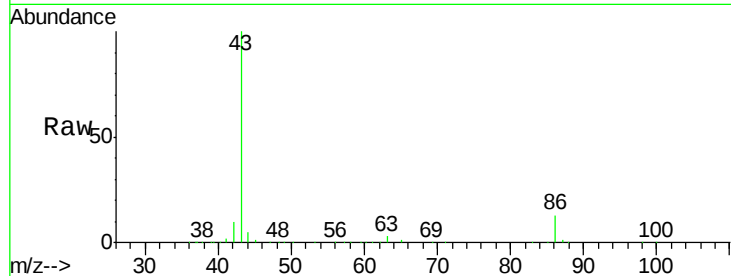
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 590922

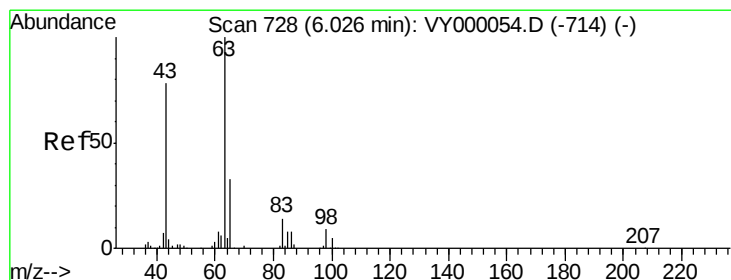
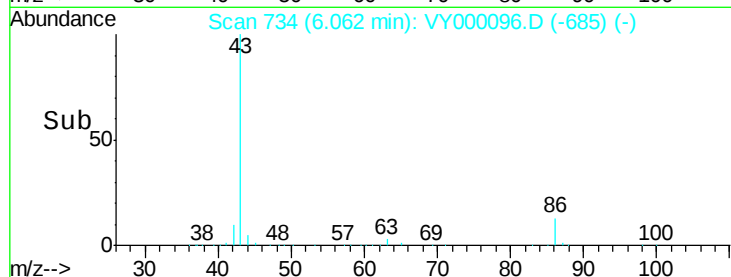
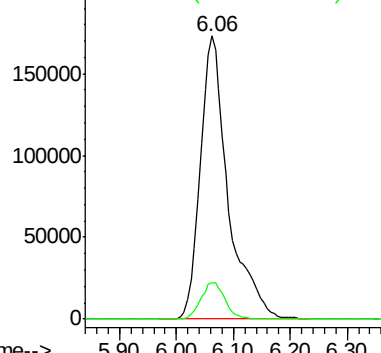
Ion Ratio Lower Upper

43 100

86 12.9 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 50.843 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

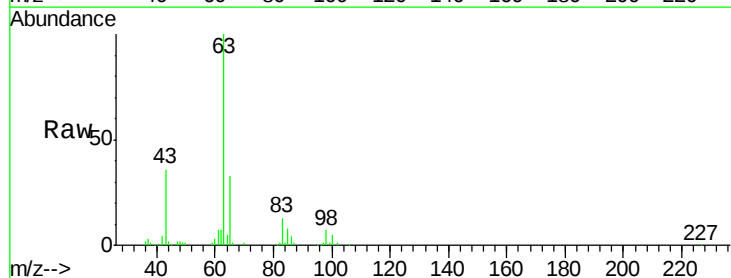
Tgt Ion: 63 Resp: 103716

Ion Ratio Lower Upper

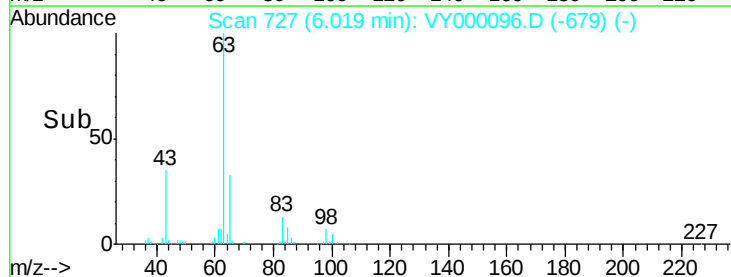
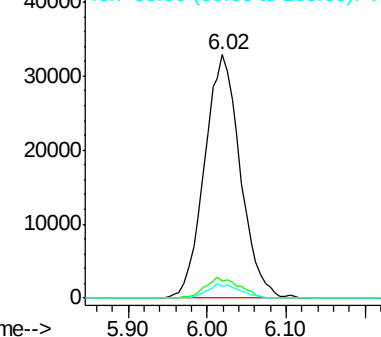
63 100

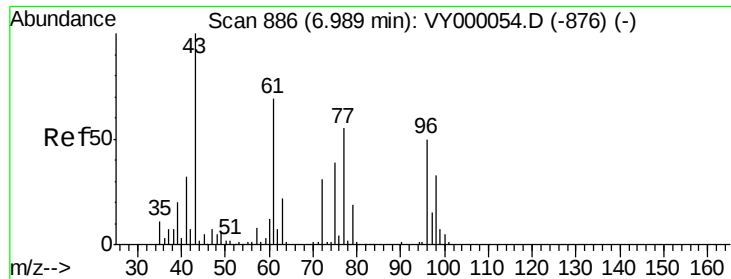
98 6.9 4.5 13.5

100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 221.658 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

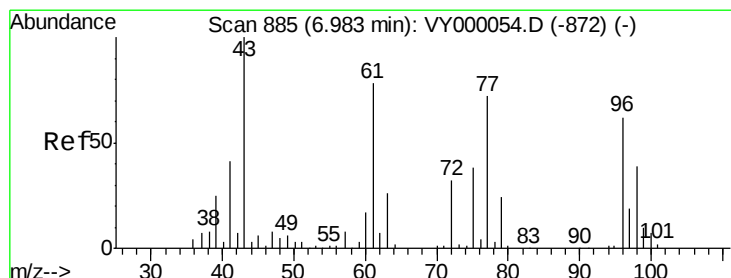
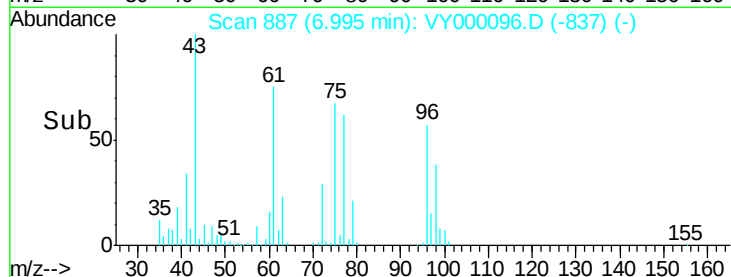
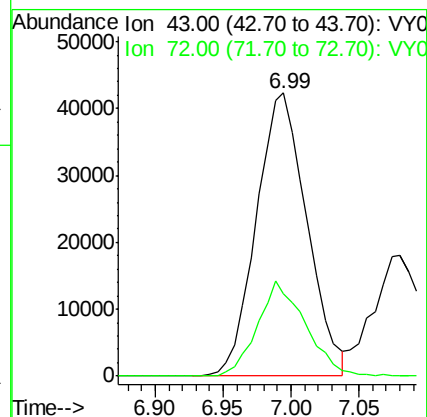
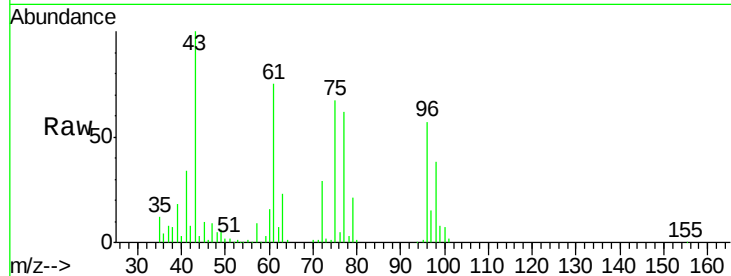
ClientSampled :

Tot Ion: 43 Resp: 110012

Ion Ratio Lower Upper

43 100

72 28.9 24.7 37.1



#26

2,2-Dichloropropane

Concen: 49.895 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000096.D

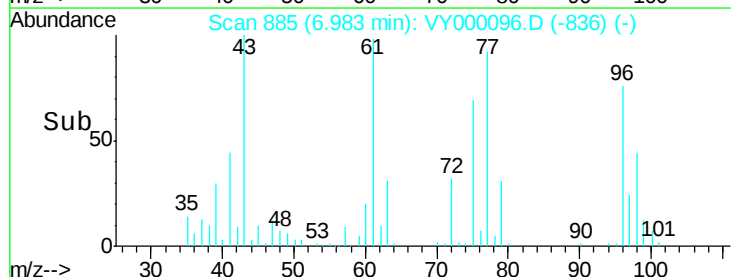
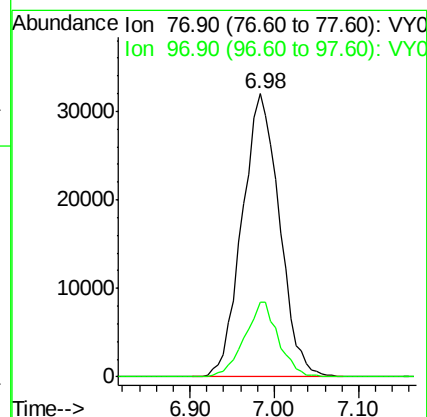
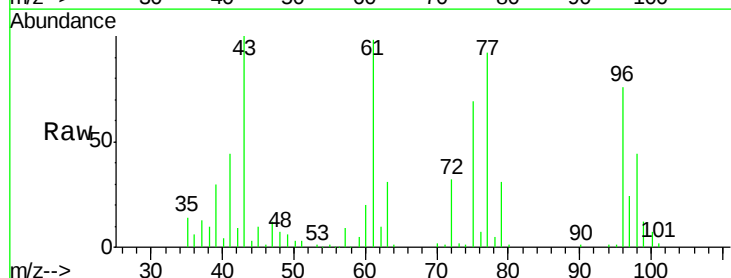
Acq: 20 Sep 2019 10:07

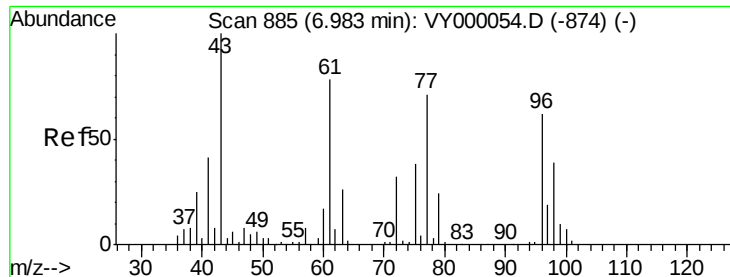
Tgt Ion: 77 Resp: 96056

Ion Ratio Lower Upper

77 100

97 23.9 12.5 37.5



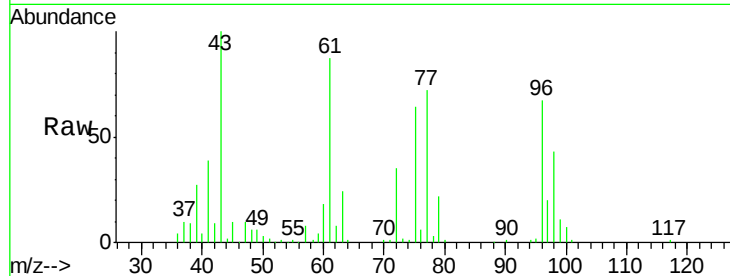


#27

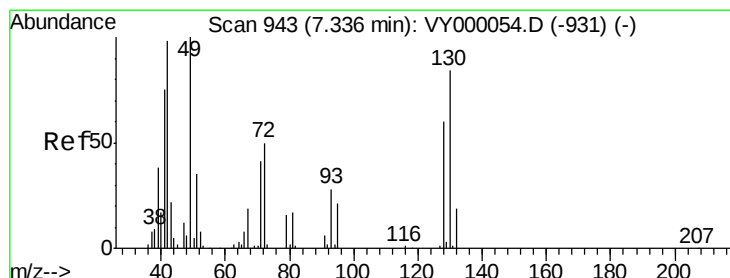
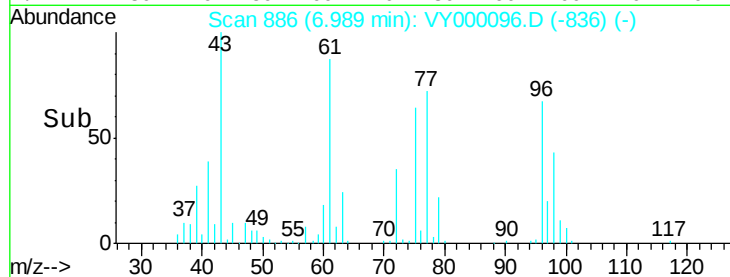
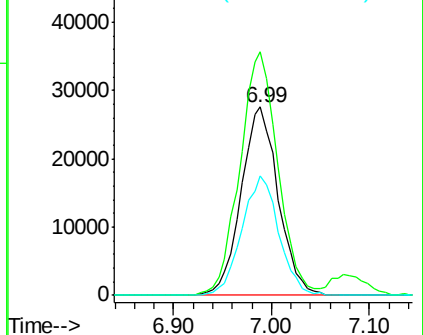
cis-1,2-Dichloroethene
Concen: 51.629 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 72526
Ion Ratio Lower Upper
96 100
61 132.6 0.0 263.0
98 63.4 0.0 130.2



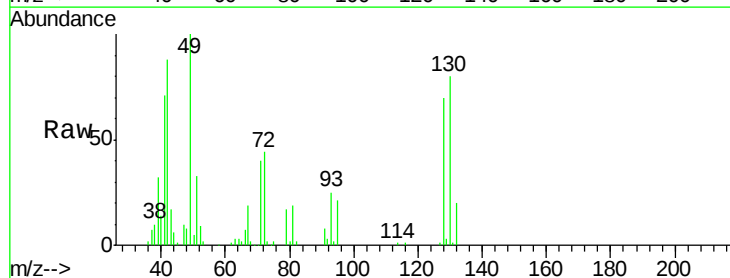
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



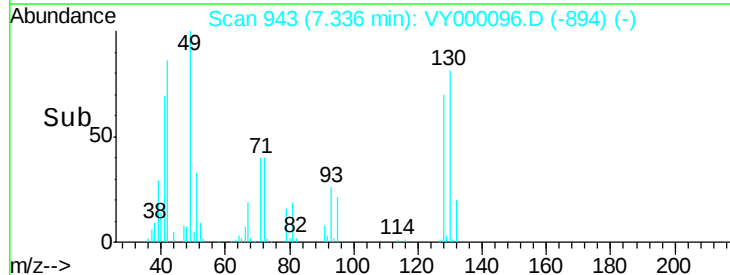
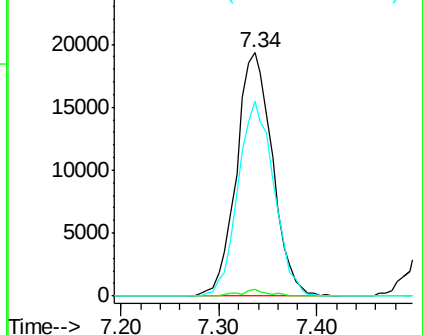
#28

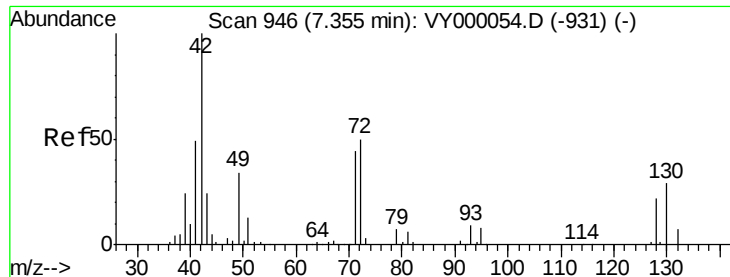
Bromochloromethane
Concen: 52.233 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 49 Resp: 49390
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.8
130 79.9 66.2 99.4



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

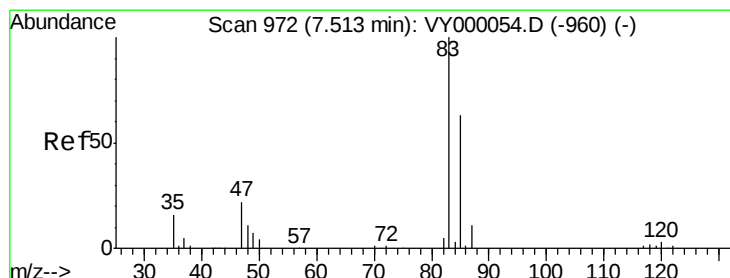
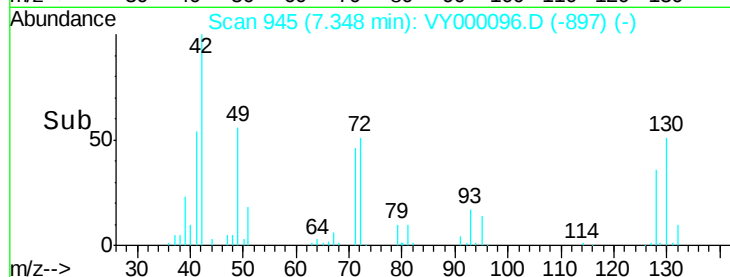
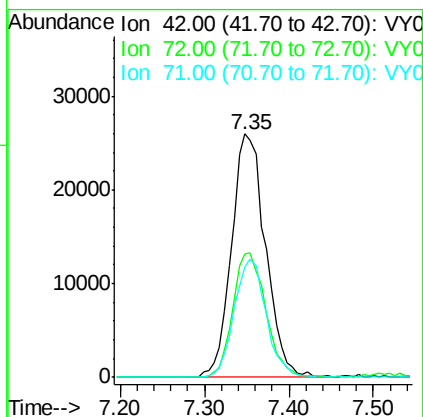
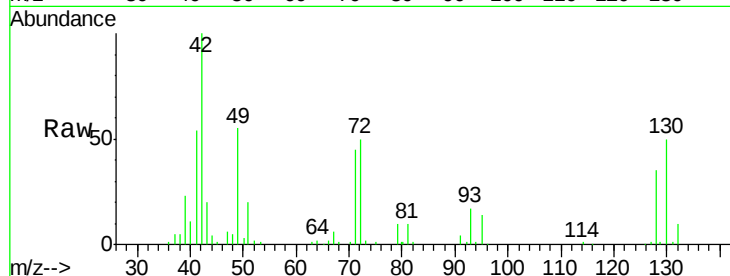




#29
Tetrahydrofuran
Concen: 237.769 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

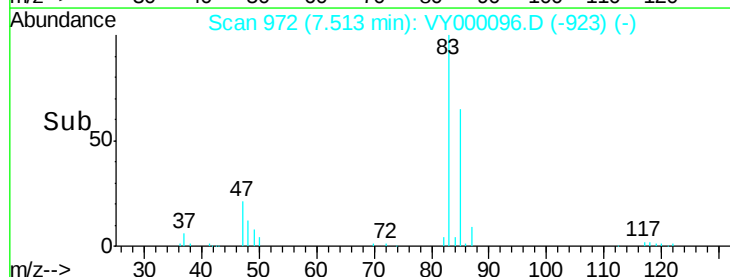
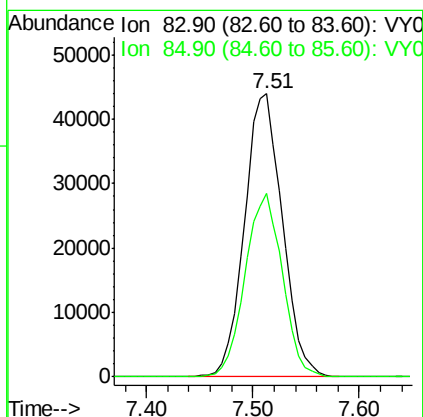
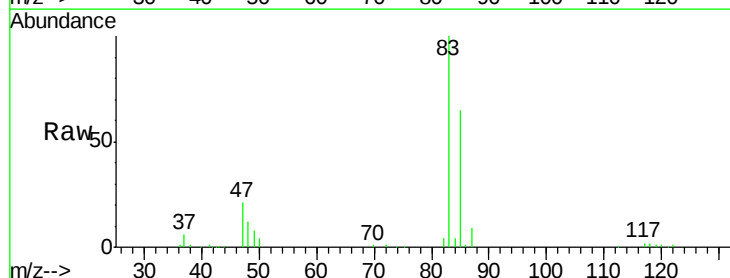
Instrument :
MSVOA_Y
ClientSampled :

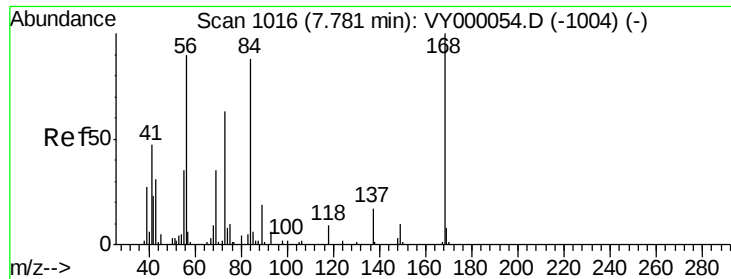
Tot Ion: 42 Resp: 70843
Ion Ratio Lower Upper
42 100
72 49.5 41.8 62.6
71 45.6 38.6 58.0



#30
Chloroform
Concen: 52.033 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 83 Resp: 109539
Ion Ratio Lower Upper
83 100
85 64.7 50.6 76.0

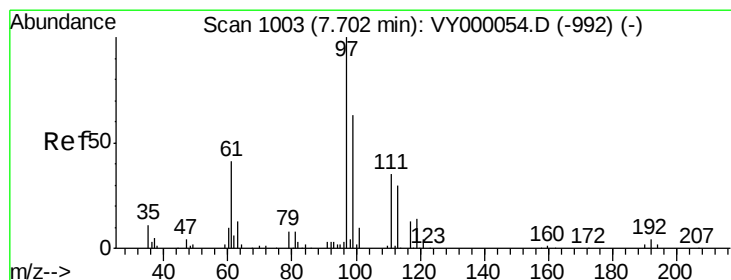
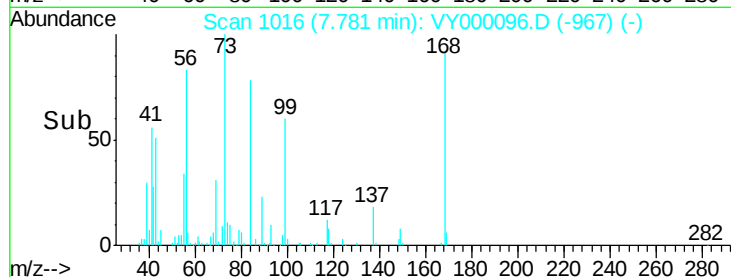
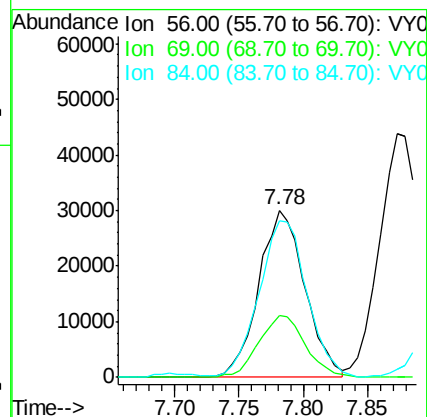
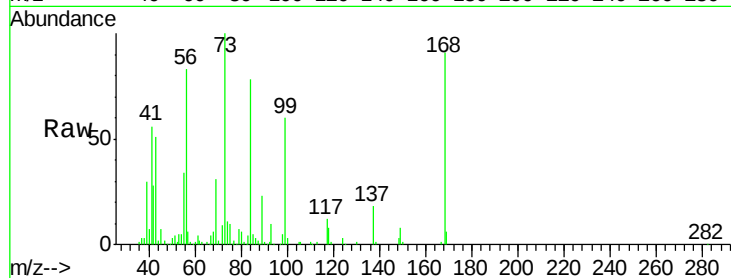




#31
Cyclohexane
Concen: 51.672 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

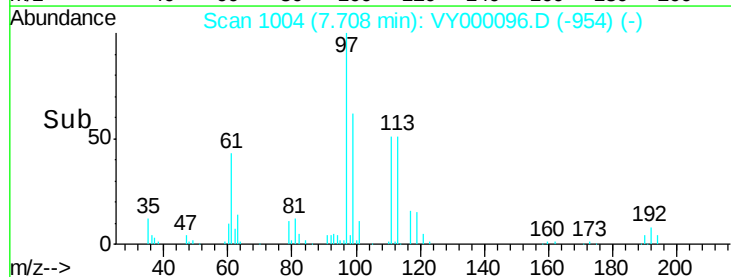
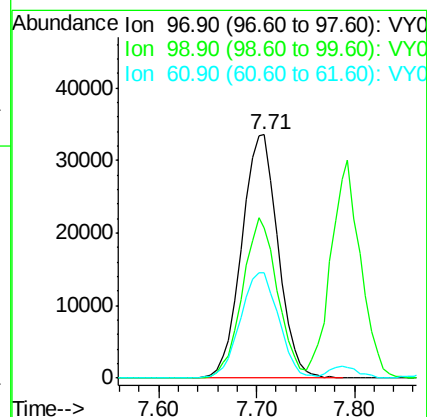
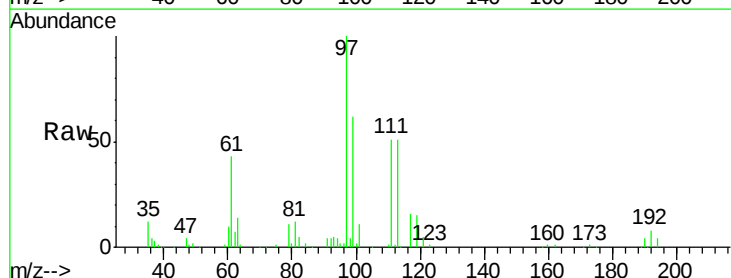
Instrument :
MSVOA_Y
ClientSampled :

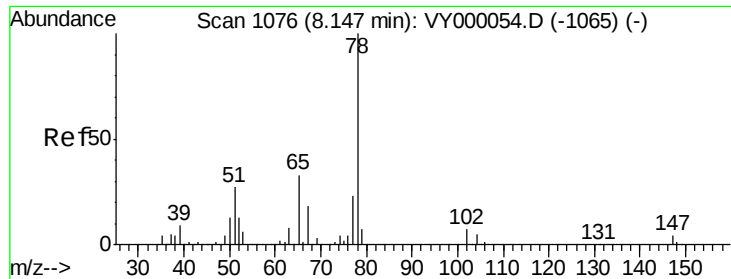
Tot Ion: 56 Resp: 74578
Ion Ratio Lower Upper
56 100
69 36.9 30.9 46.3
84 91.8 78.5 117.7



#32
1,1,1-Trichloroethane
Concen: 50.577 ug/l
RT: 7.71 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 97 Resp: 86482
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 45.7 34.3 51.5

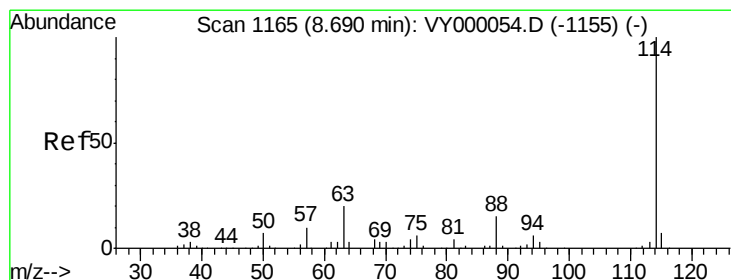
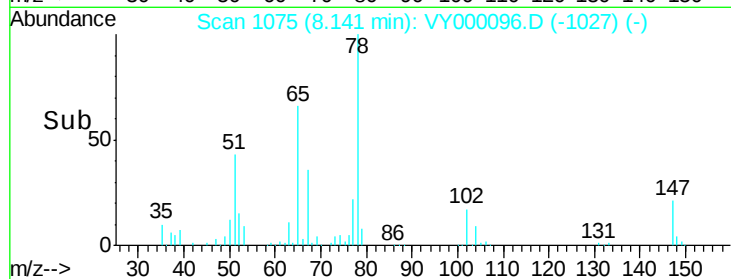
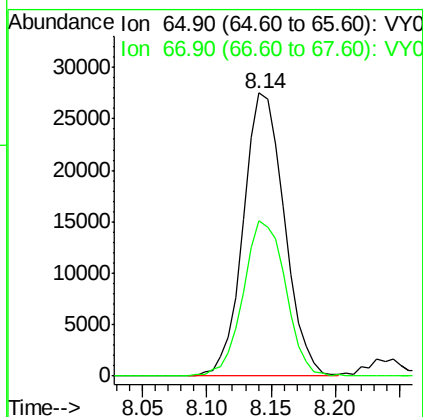
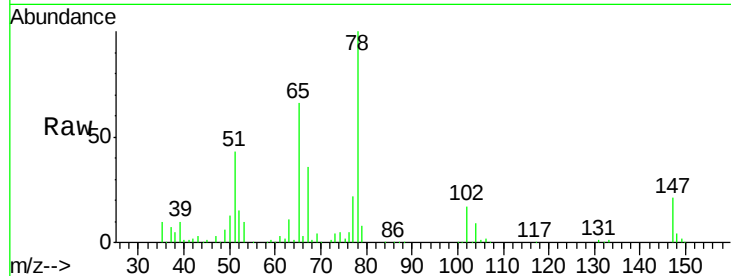




#33
 1,2-Dichloroethane-d4
 Concen: 51.613 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

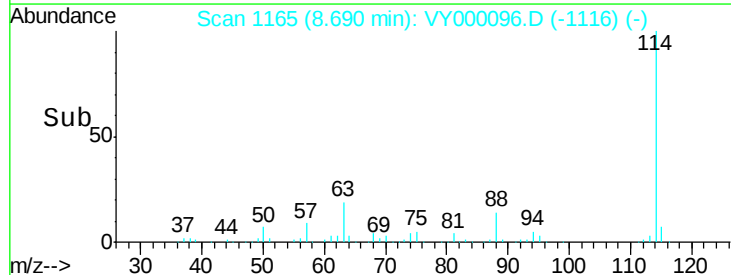
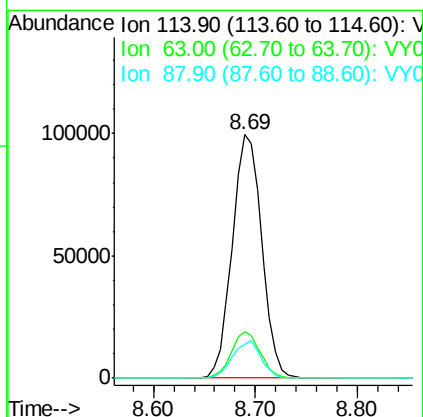
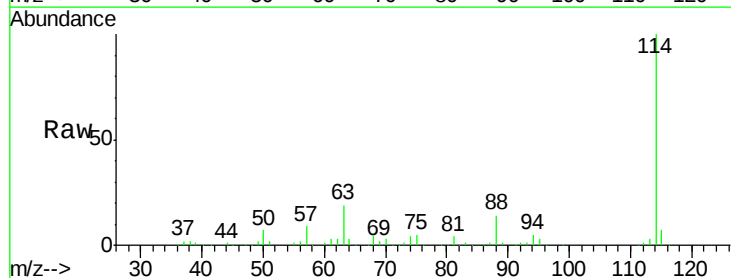
Instrument :
 MSVOA_Y
 ClientSampleId :

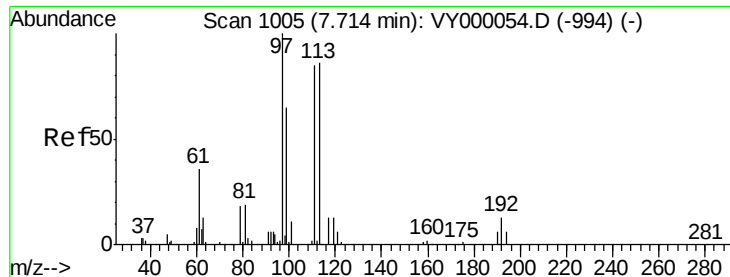
Tot Ion: 65 Resp: 60742
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion: 114 Resp: 198620
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.4
 88 13.7 0.0 30.2

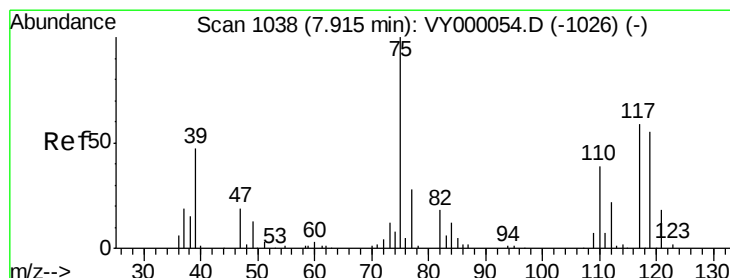
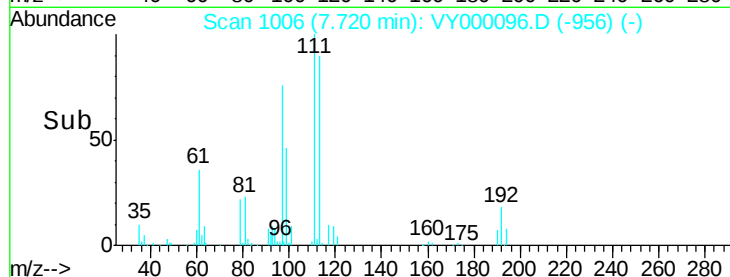
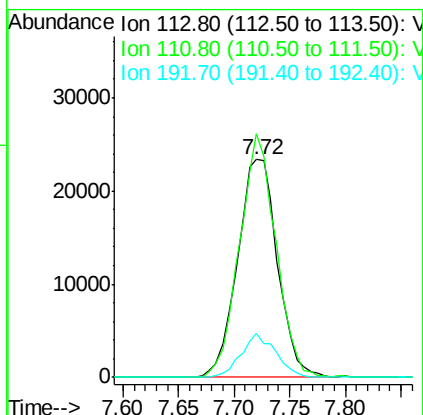
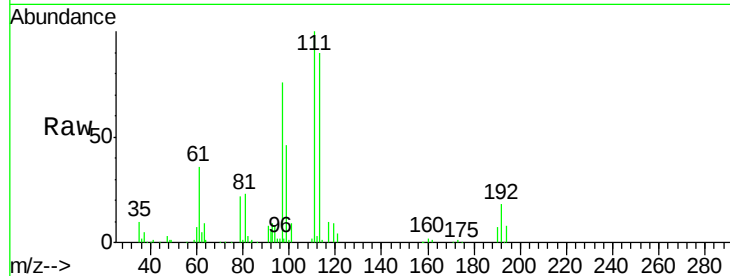




#35
 Dibromofluoromethane
 Concen: 48.444 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

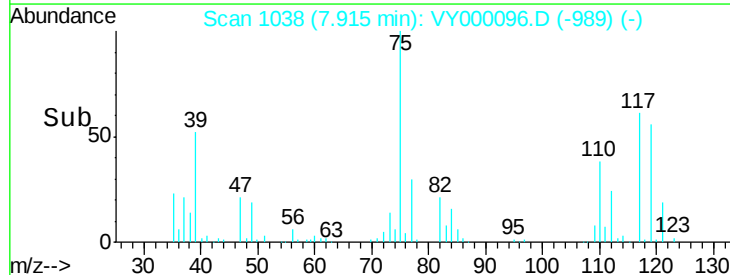
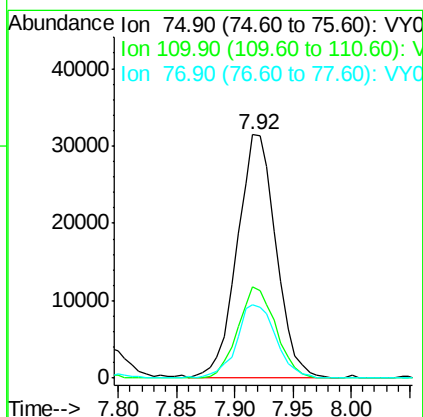
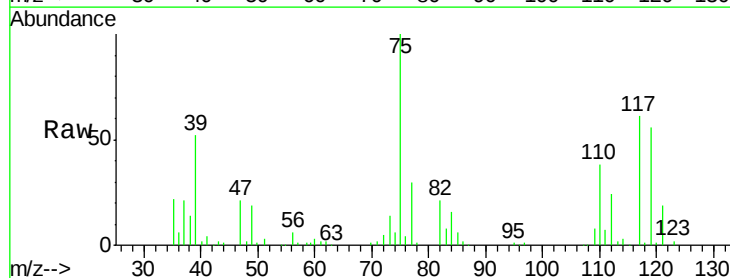
Instrument :
 MSVOA_Y
 ClientSampleId :

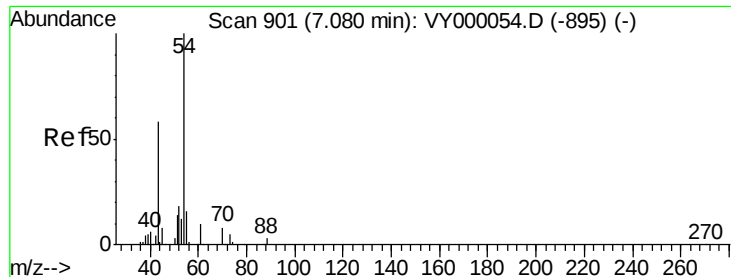
Tot Ion:113 Resp: 58259
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.7 122.5
 192 17.4 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 49.319 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion: 75 Resp: 73246
 Ion Ratio Lower Upper
 75 100
 110 36.3 19.6 58.7
 77 30.5 24.3 36.5

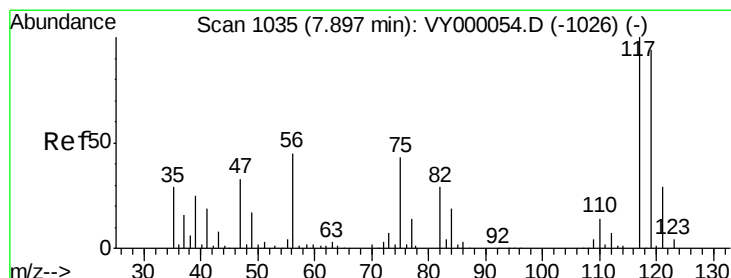
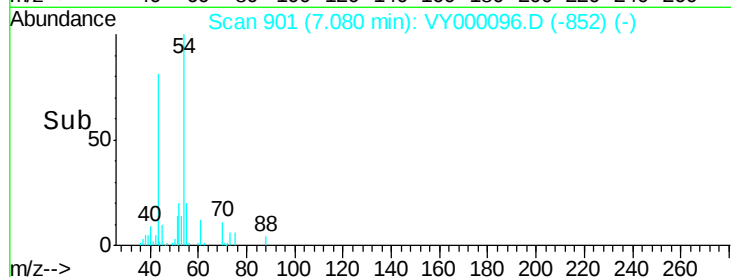
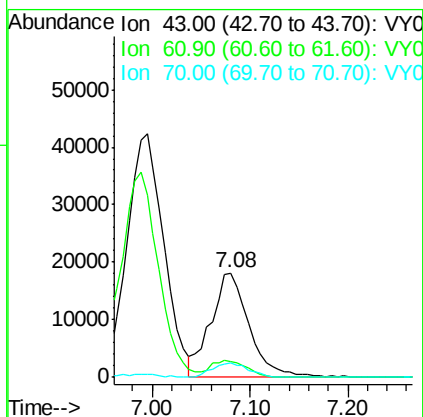
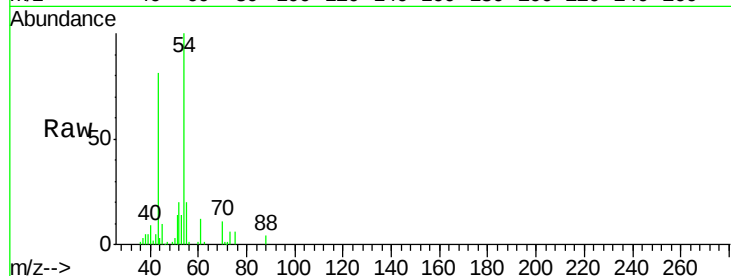




#37
Ethyl Acetate
Concen: 48.936 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

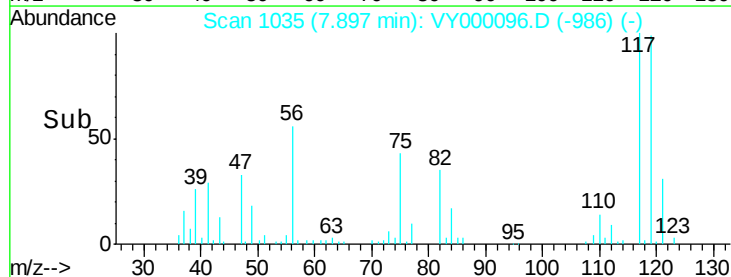
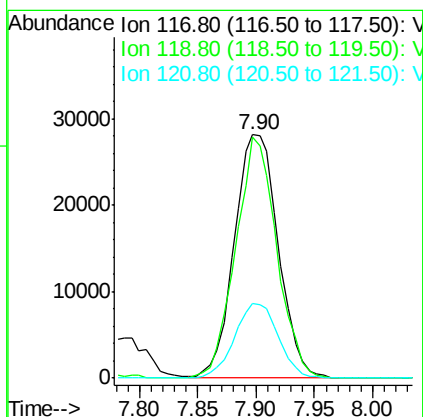
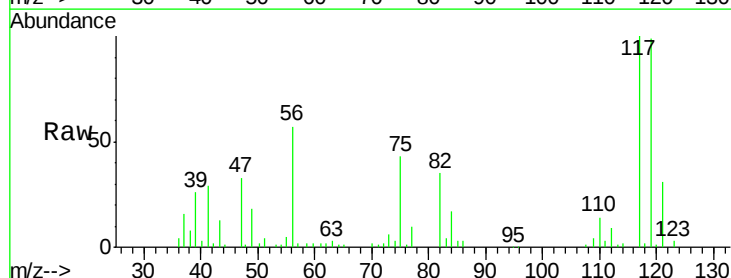
Instrument :
MSVOA_Y
ClientSampled :

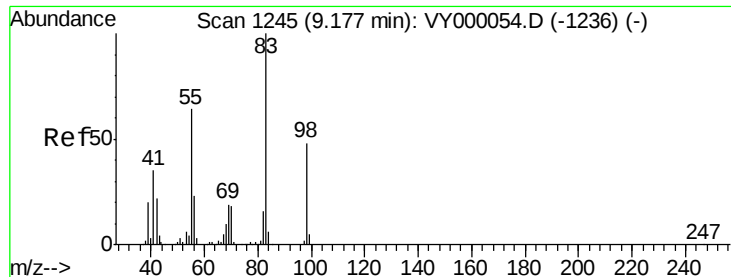
Tot Ion: 43 Resp: 48444
Ion Ratio Lower Upper
43 100
61 14.8 14.1 21.1
70 13.2 10.6 15.8



#38
Carbon Tetrachloride
Concen: 52.734 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 117 Resp: 73917
Ion Ratio Lower Upper
117 100
119 99.2 75.0 112.6
121 30.7 22.8 34.2

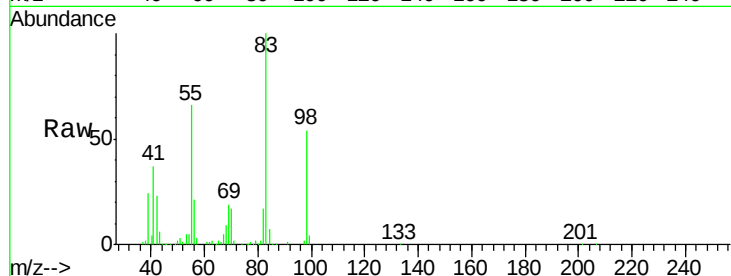




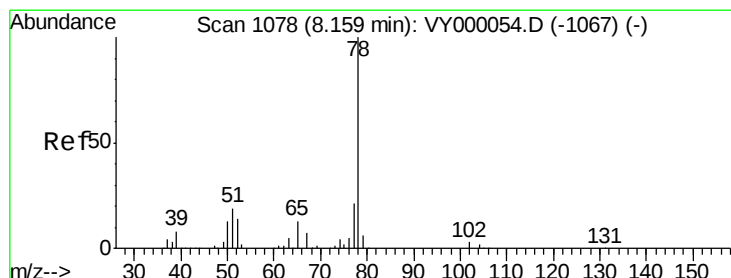
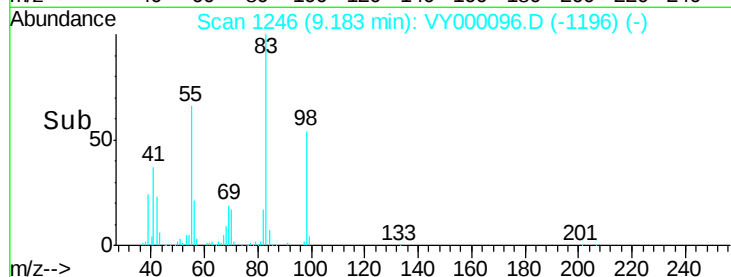
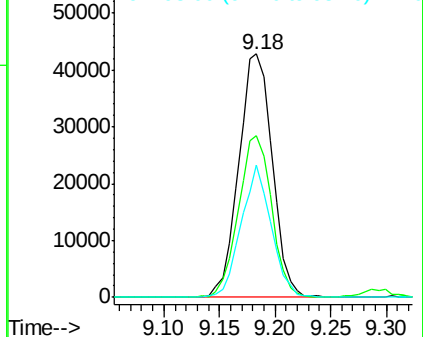
#39
Methvlcvclohexane
Concen: 49.001 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 89484
Ion Ratio Lower Upper
83 100
55 66.3 51.0 76.6
98 54.1 38.5 57.7

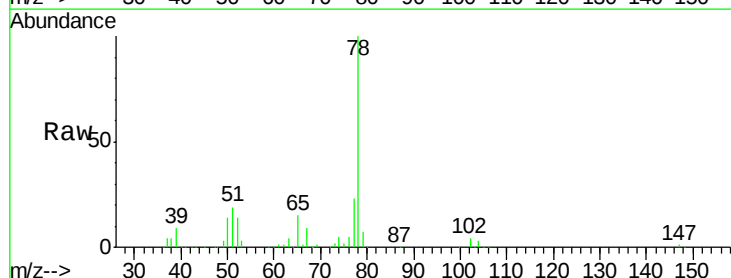


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

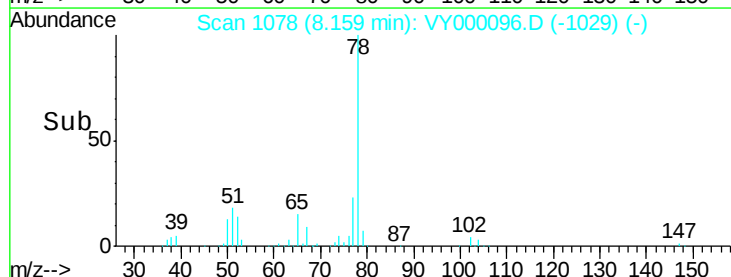
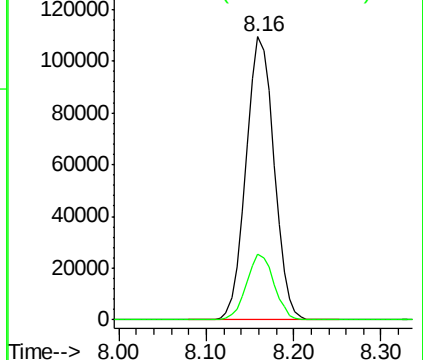


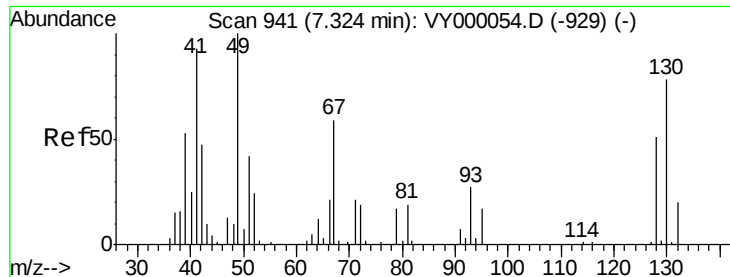
#40
Benzene
Concen: 49.654 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 78 Resp: 243562
Ion Ratio Lower Upper
78 100
77 23.0 16.8 25.2



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

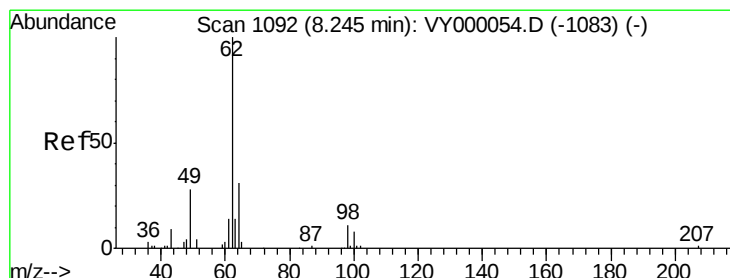
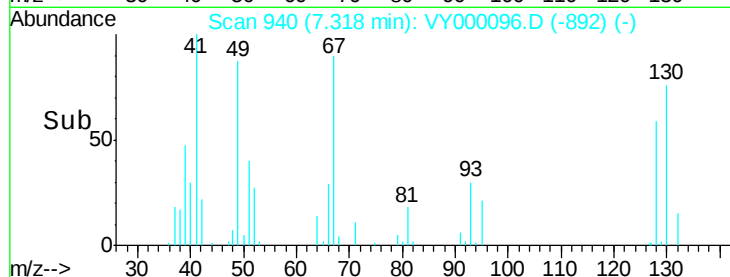
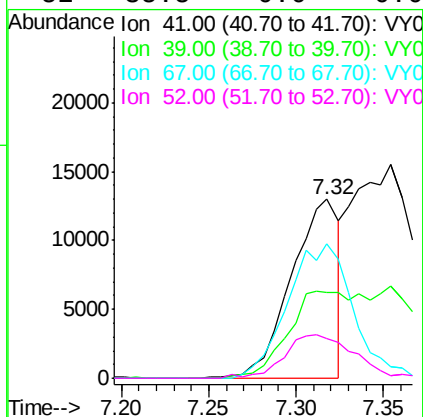
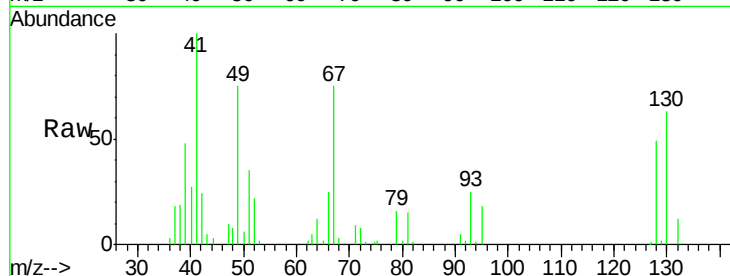




#41
Methacrylonitrile
Concen: 35.560 ug/l
RT: 7.32 min Scan# 940
Delta R.T. -0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

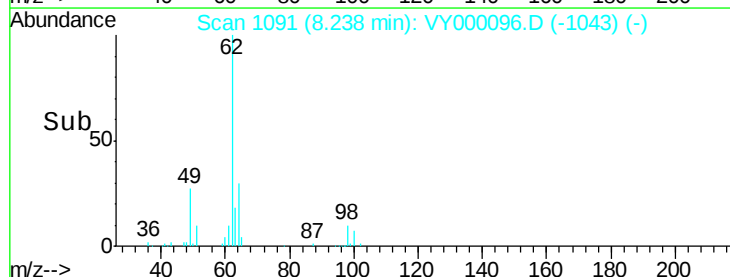
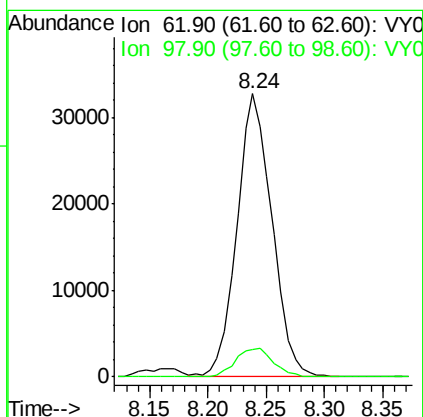
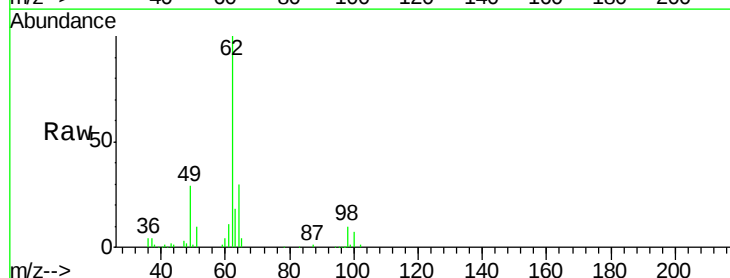
Instrument :
MSVOA_Y
ClientSampleId :

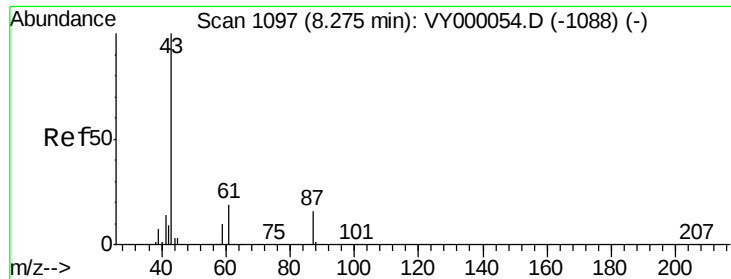
Tot Ion: 41 Resp: 24872
Ion Ratio Lower Upper
41 100
39 60.8 91.8 137.6#
67 101.9 0.0 0.0#
52 35.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 52.747 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 62 Resp: 68534
Ion Ratio Lower Upper
62 100
98 10.9 0.0 23.6





#43

Isopropyl Acetate

Concen: 47.955 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

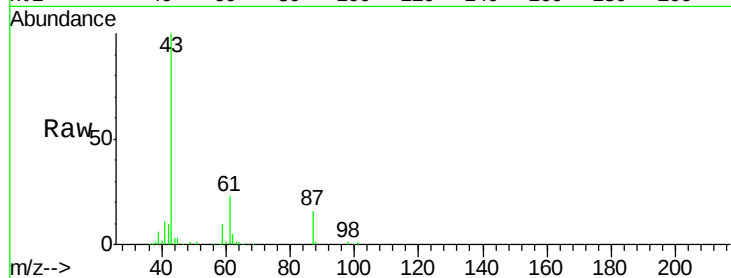
Tot Ion: 43 Resp: 92843

Ion Ratio Lower Upper

43 100

61 32.6 25.0 37.6

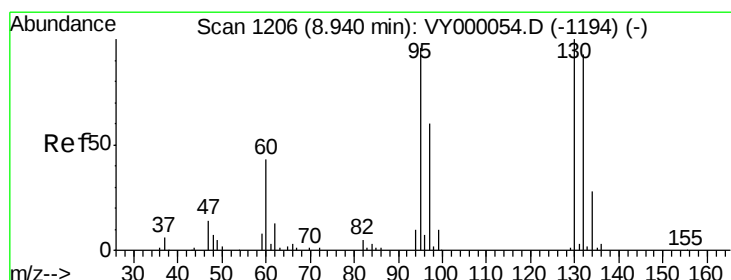
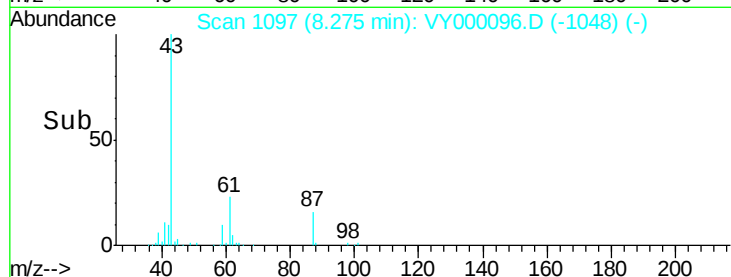
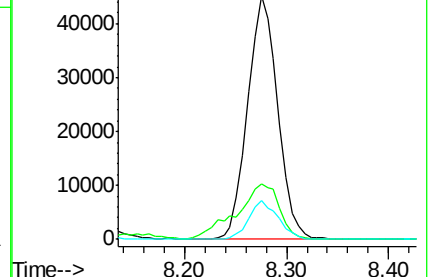
87 15.5 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VY000096.D (-1048) (-)

Ion 61.00 (60.70 to 61.70): VY000096.D (-1048) (-)

Ion 87.00 (86.70 to 87.70): VY000096.D (-1048) (-)



#44

Trichloroethene

Concen: 49.470 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000096.D

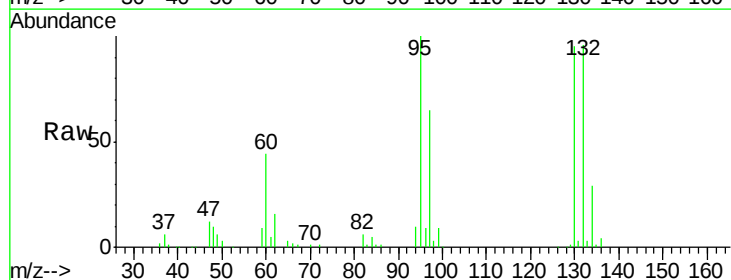
Acq: 20 Sep 2019 10:07

Tgt Ion: 130 Resp: 61993

Ion Ratio Lower Upper

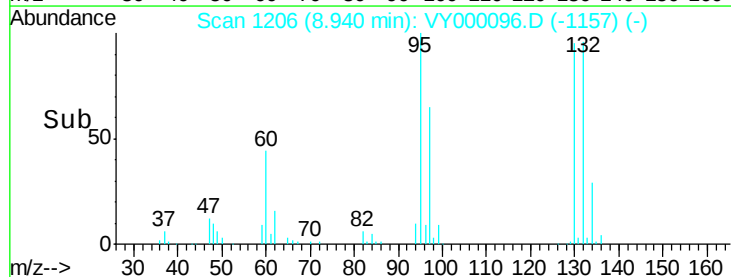
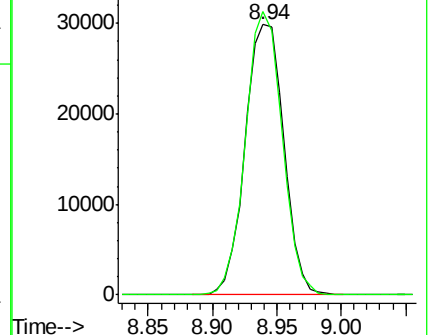
130 100

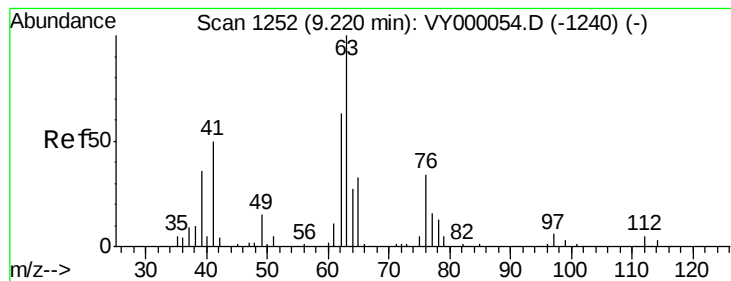
95 104.7 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): VY000096.D (-1157) (-)

Ion 94.90 (94.60 to 95.60): VY000096.D (-1157) (-)





#45

1,2-Dichloropropane

Concen: 49.320 ug/l

RT: 9.22 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

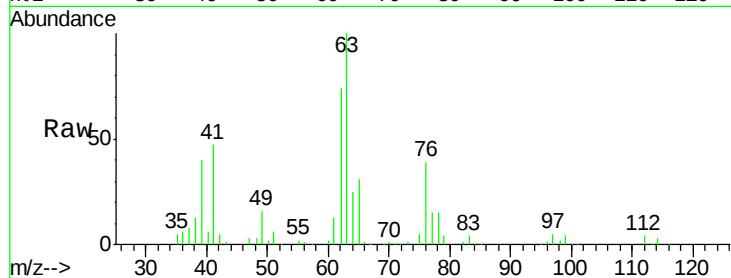
ClientSampleId :

Tot Ion: 63 Resp: 62670

Ion Ratio Lower Upper

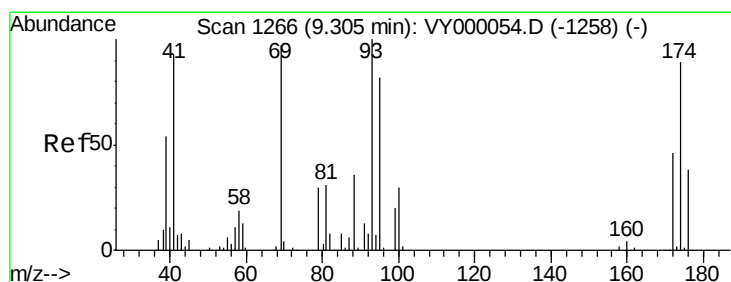
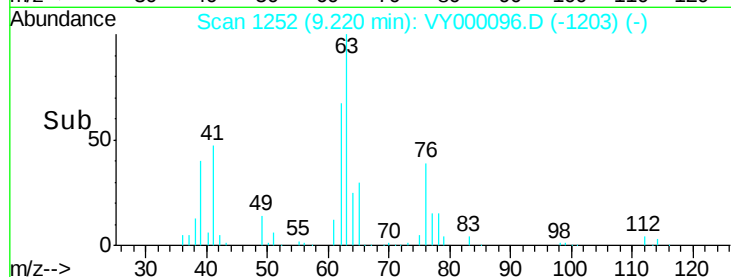
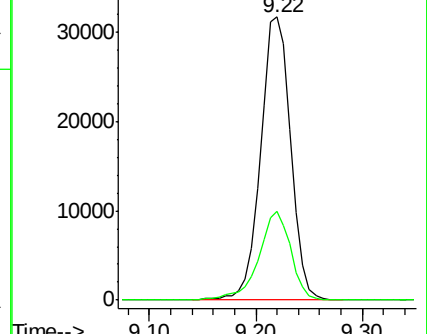
63 100

65 31.4 26.2 39.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 49.688 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

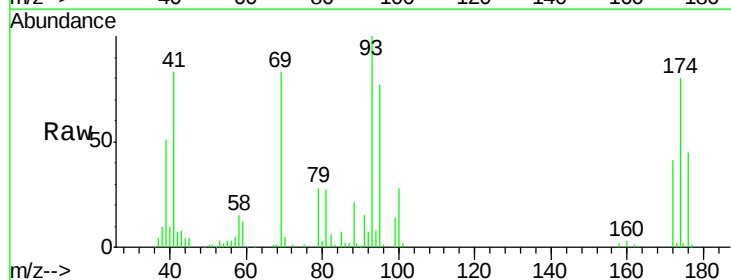
Tgt Ion: 93 Resp: 34486

Ion Ratio Lower Upper

93 100

95 83.6 68.1 102.1

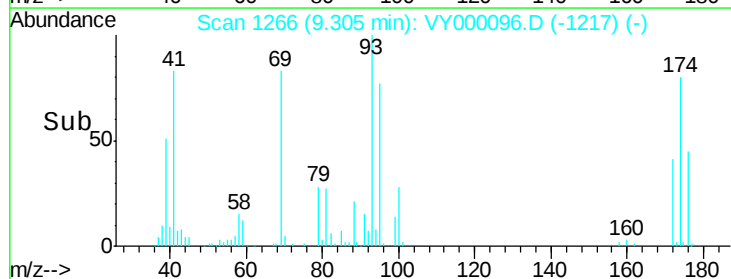
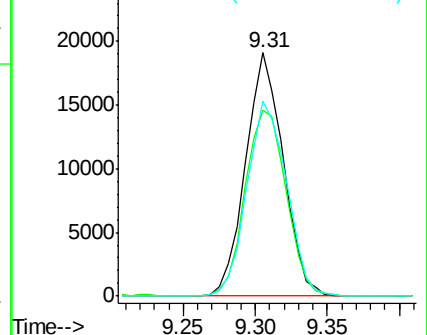
174 84.7 67.8 101.6

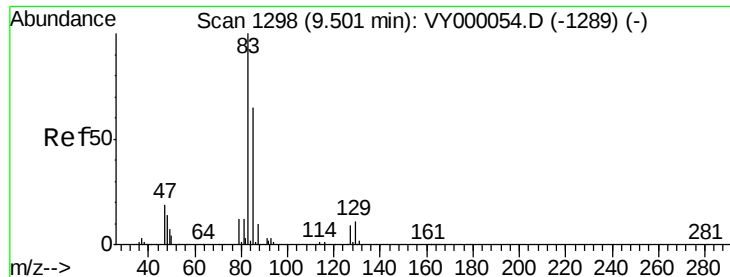


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.567 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

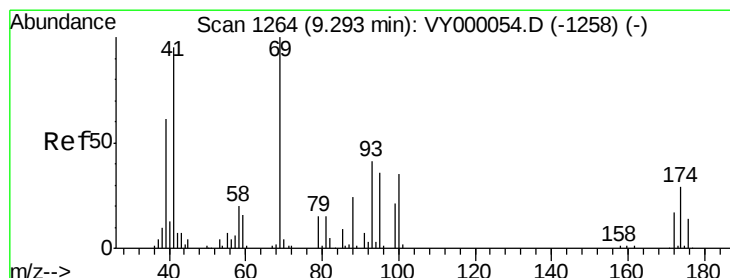
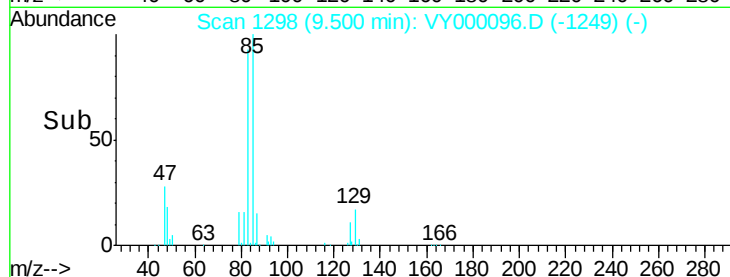
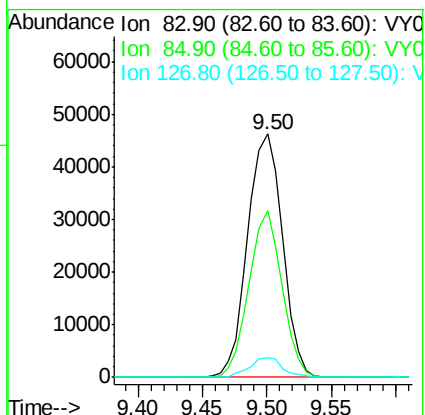
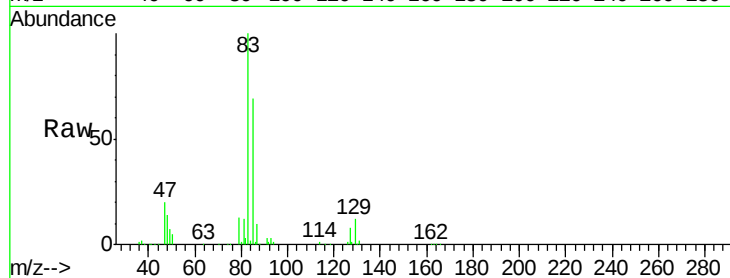
Tot Ion: 83 Resp: 86848

Ion Ratio Lower Upper

83 100

85 68.8 52.3 78.5

127 7.8 6.8 10.2



#48

Methyl methacrylate

Concen: 48.921 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

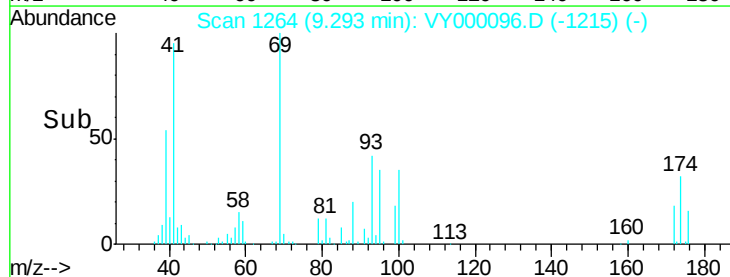
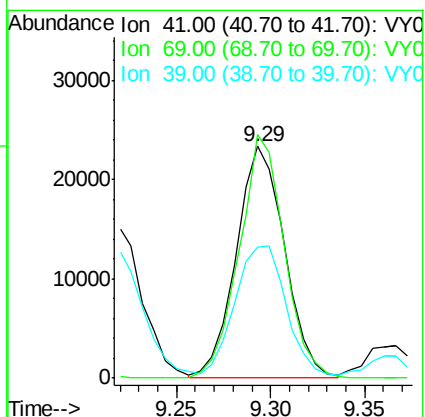
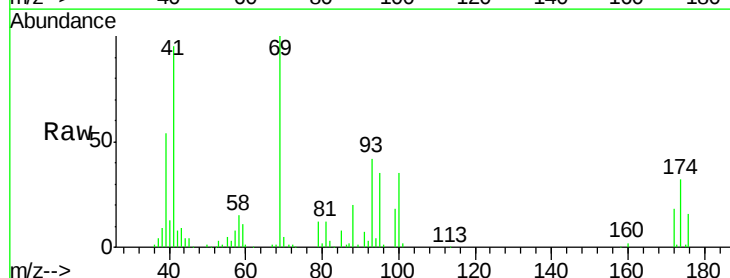
Tgt Ion: 41 Resp: 41654

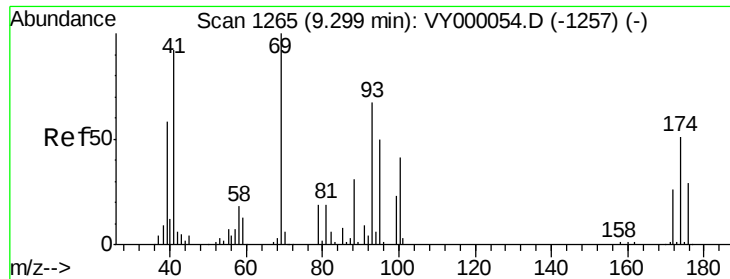
Ion Ratio Lower Upper

41 100

69 97.9 78.1 117.1

39 61.1 49.4 74.0

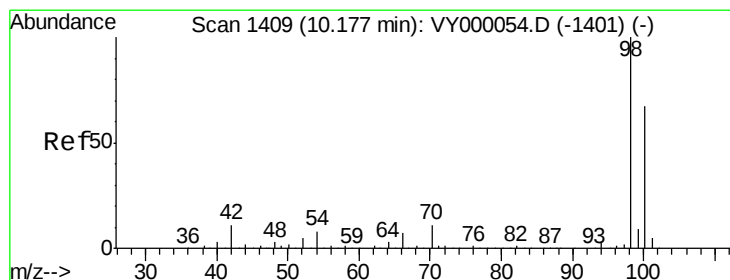
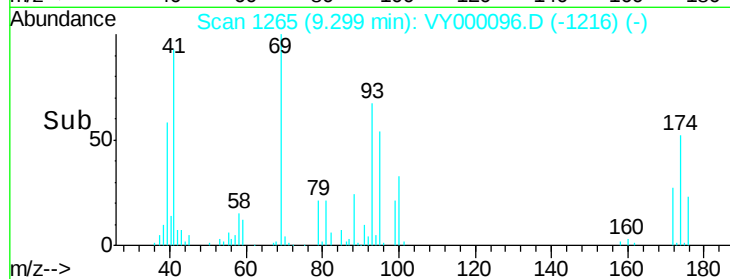
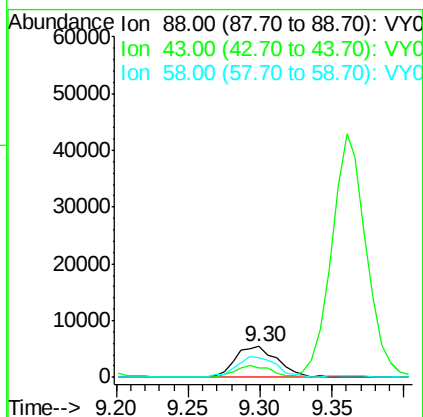
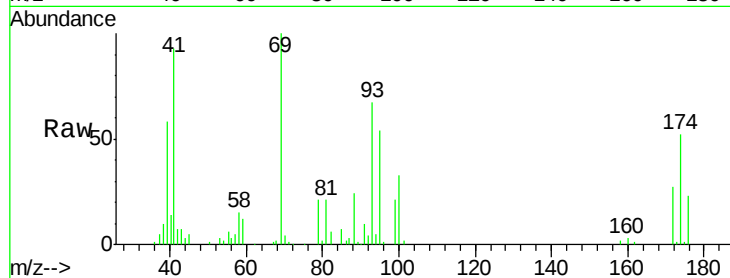




#49
1,4-Dioxane
Concen: 831.884 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

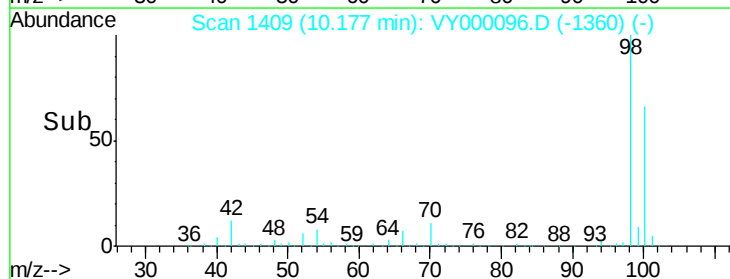
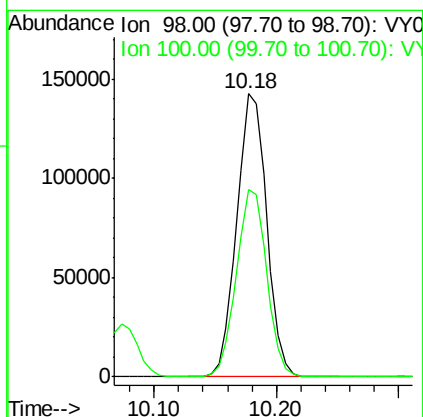
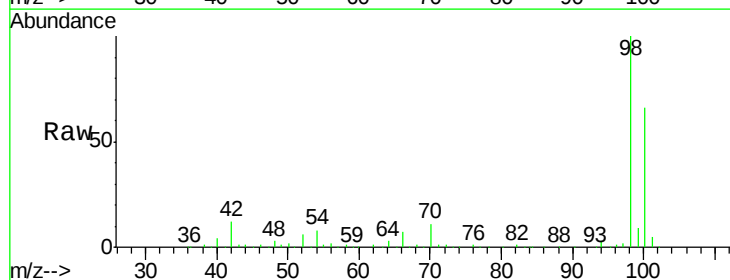
Instrument :
MSVOA_Y
ClientSampled :

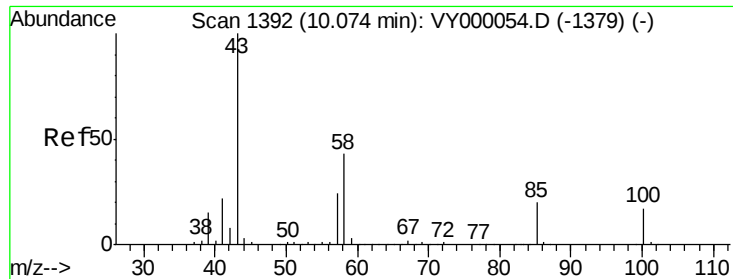
Tot Ion: 88 Resp: 11210
Ion Ratio Lower Upper
88 100
43 32.8 18.7 28.1#
58 64.4 53.0 79.6



#50
Toluene-d8
Concen: 51.220 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 98 Resp: 241932
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 244.568 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

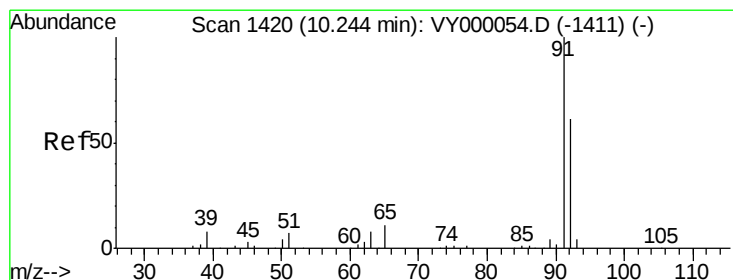
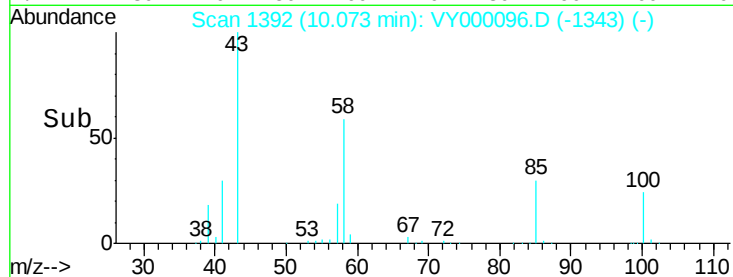
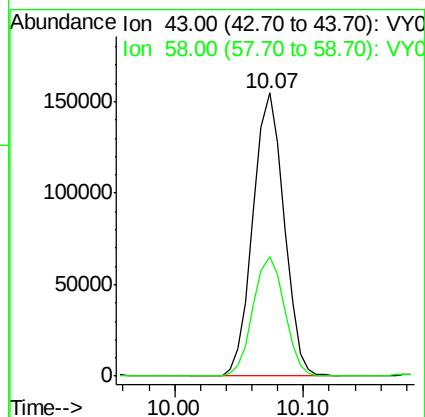
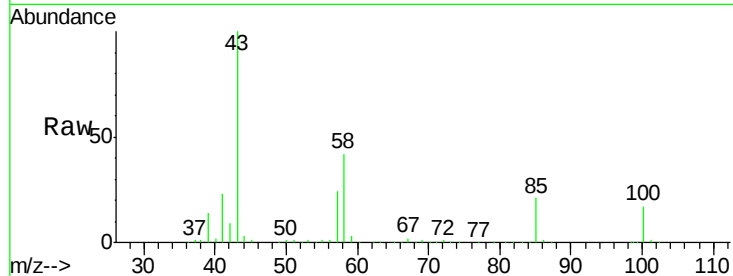
ClientSampleId :

Tot Ion: 43 Resp: 258523

Ion Ratio Lower Upper

43 100

58 42.7 34.2 51.2



#52

Toluene

Concen: 50.132 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000096.D

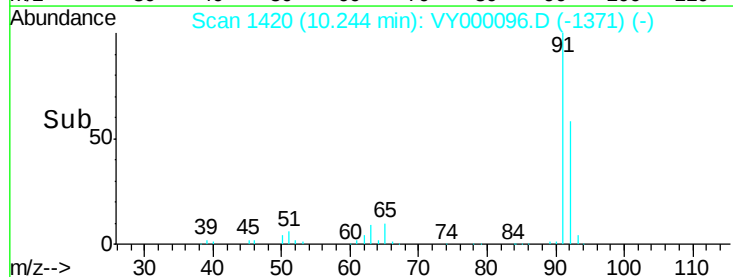
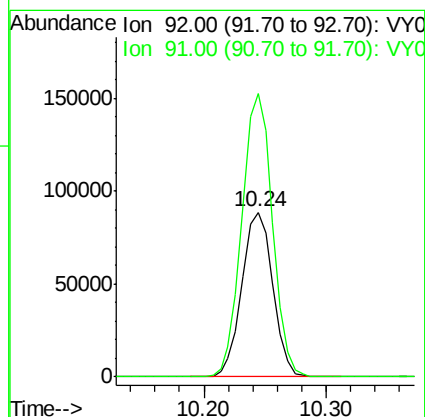
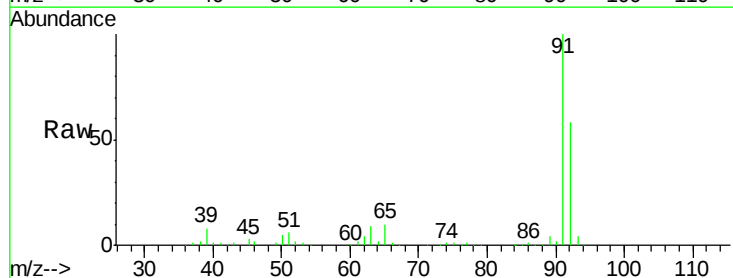
Acq: 20 Sep 2019 10:07

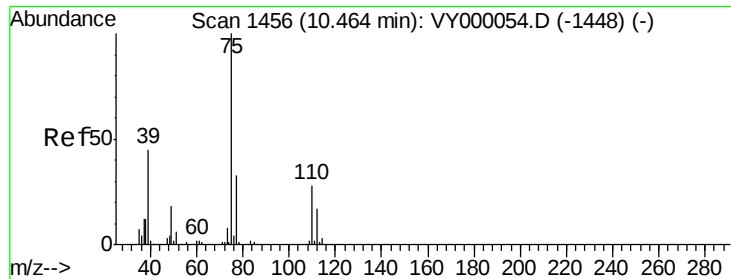
Tgt Ion: 92 Resp: 156234

Ion Ratio Lower Upper

92 100

91 169.1 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 50.701 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

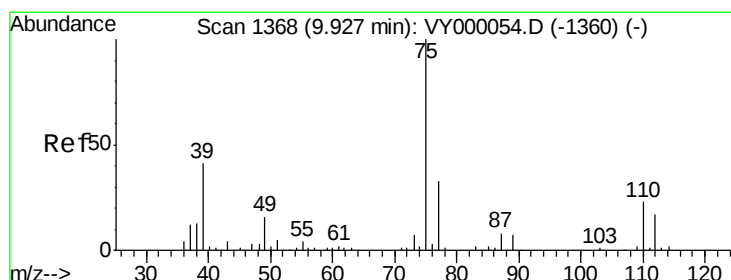
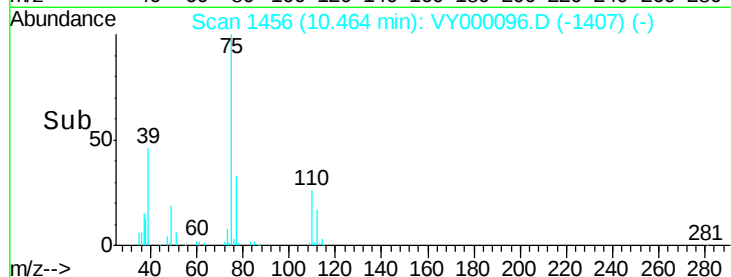
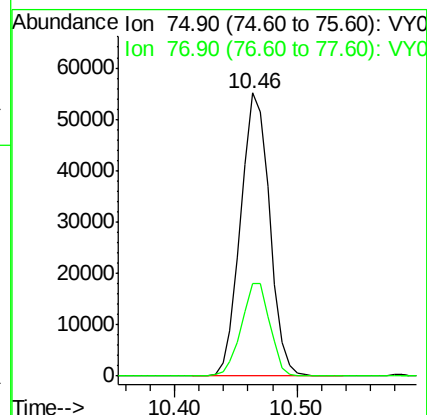
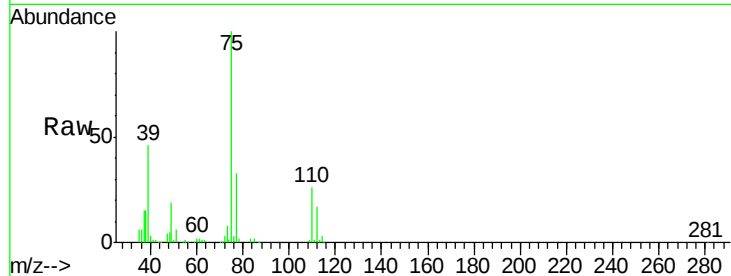
ClientSampleId :

Tot Ion: 75 Resp: 90539

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 51.137 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

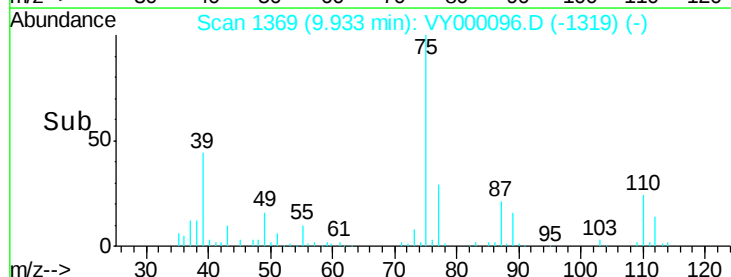
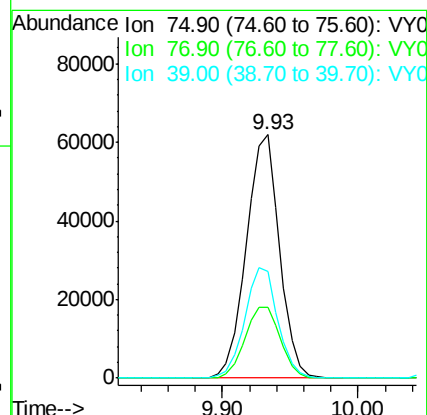
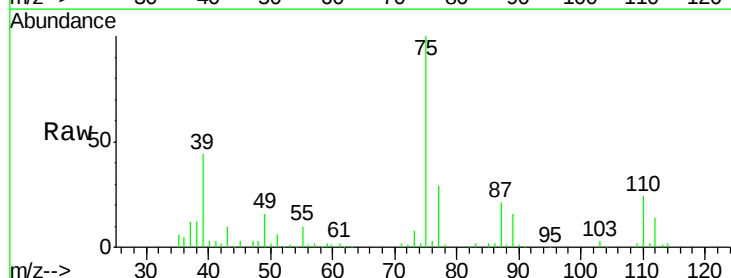
Tgt Ion: 75 Resp: 105453

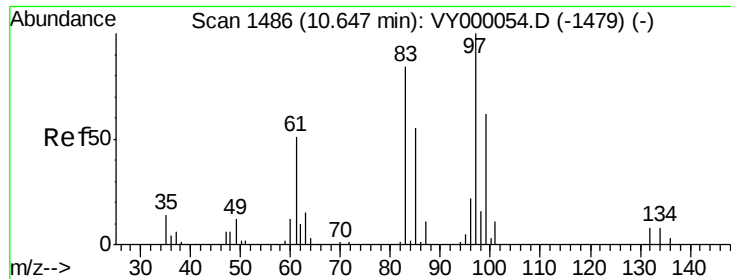
Ion Ratio Lower Upper

75 100

77 29.1 26.1 39.1

39 44.0 33.1 49.7

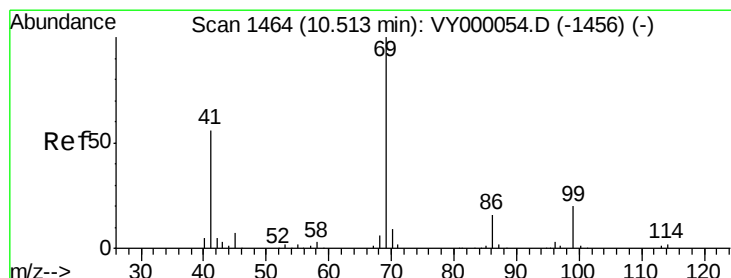
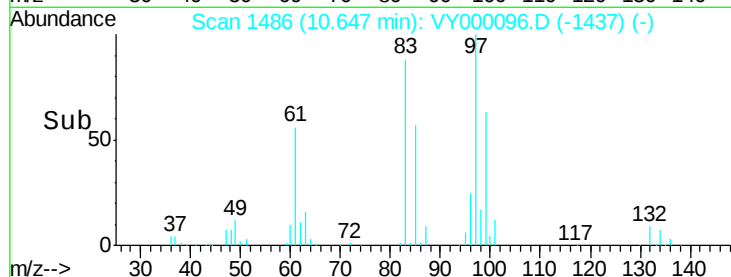
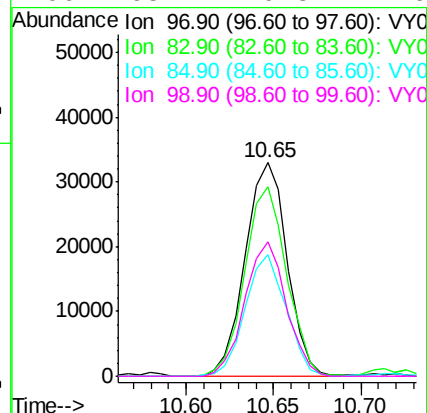
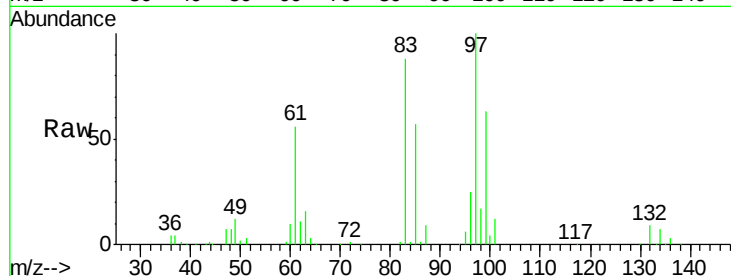




#55
 1,1,2-Trichloroethane
 Concen: 50.709 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

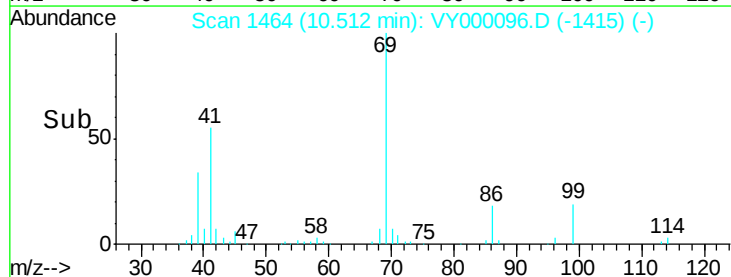
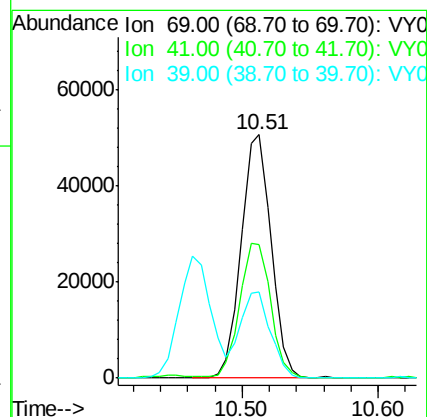
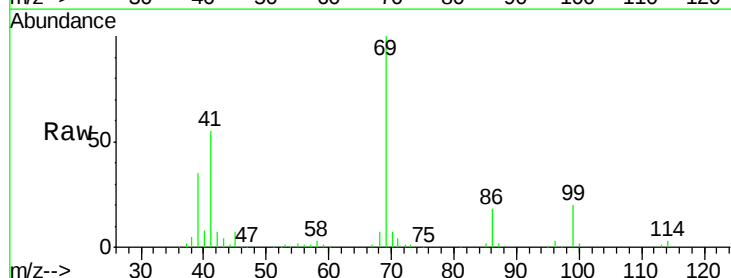
Instrument :
 MSVOA_Y
 ClientSampleId :

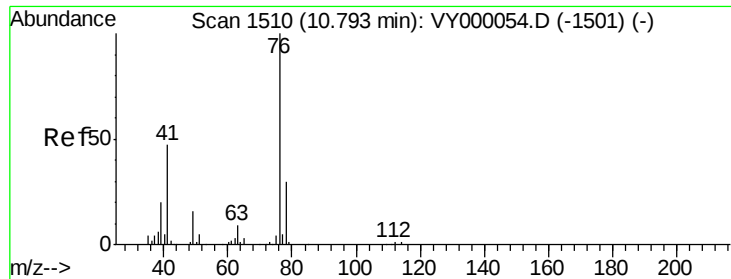
Tot Ion: 97 Resp: 55178
 Ion Ratio Lower Upper
 97 100
 83 88.3 67.3 100.9
 85 57.0 43.6 65.4
 99 63.1 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 50.412 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion: 69 Resp: 78056
 Ion Ratio Lower Upper
 69 100
 41 57.6 45.6 68.4
 39 36.0 27.3 40.9

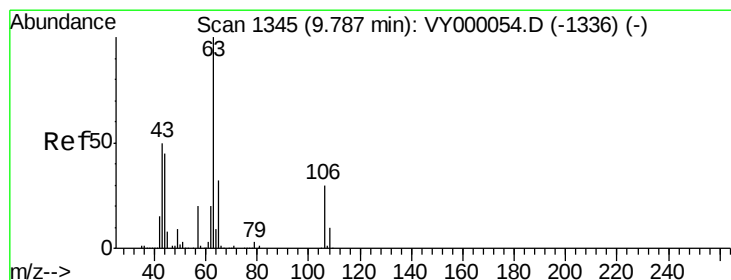
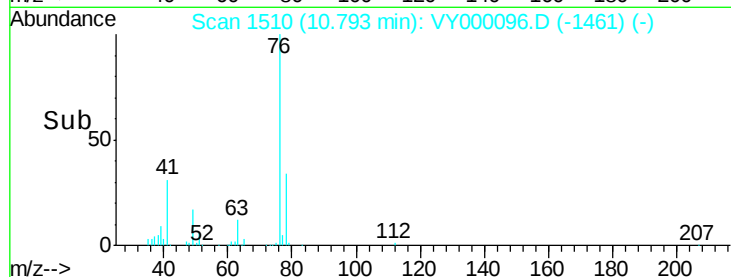
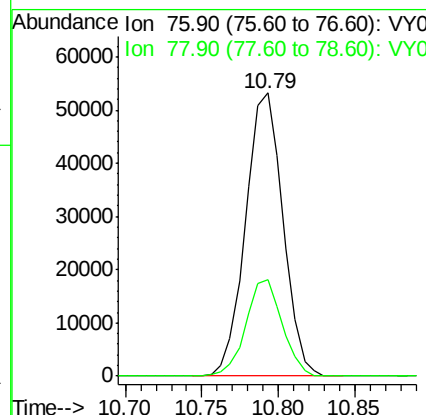
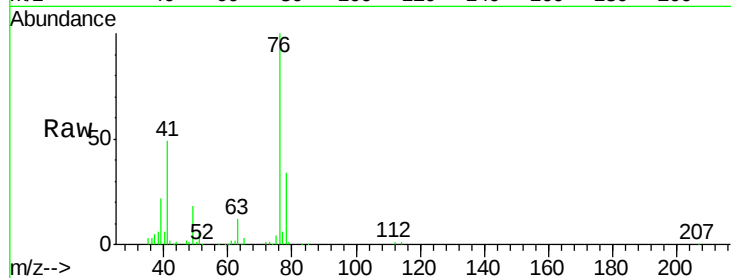




#57
 1,3-Dichloropropane
 Concen: 49.485 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

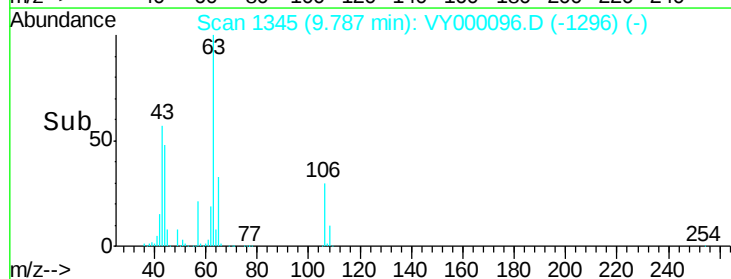
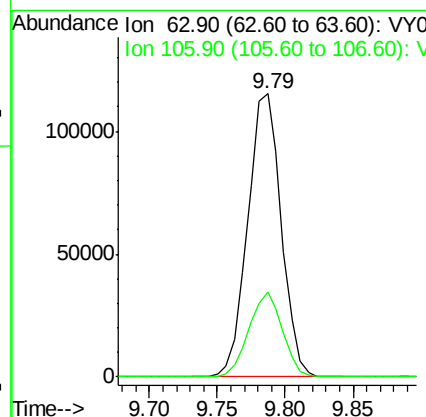
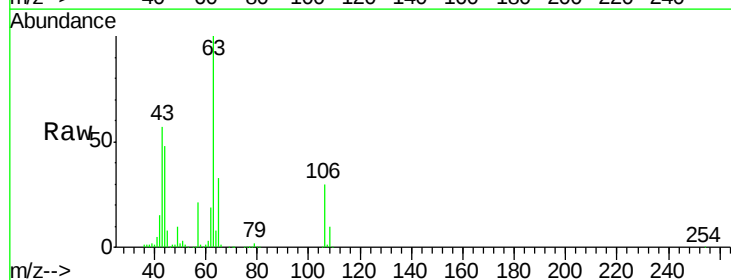
Instrument :
 MSVOA_Y
 ClientSampled :

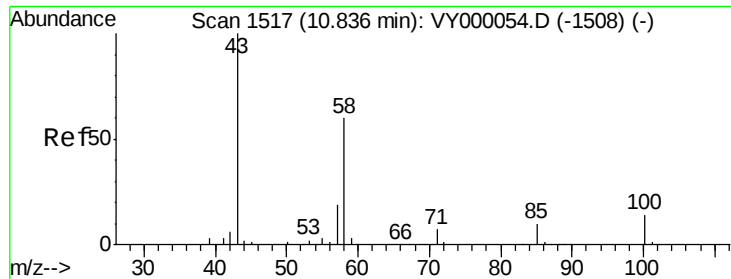
Tot Ion: 76 Resp: 90451
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.484 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion: 63 Resp: 198776
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.3 34.9

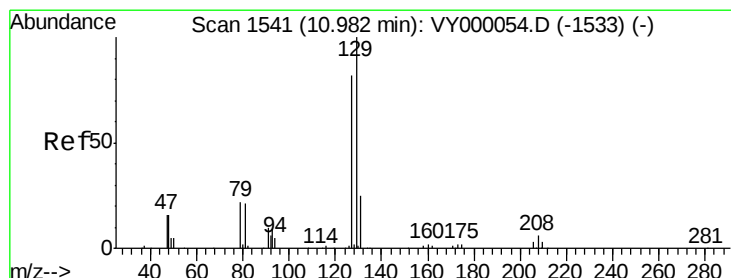
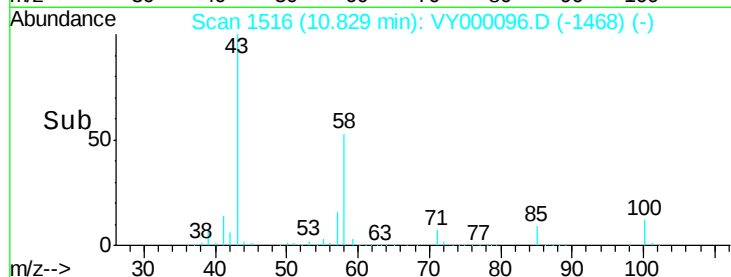
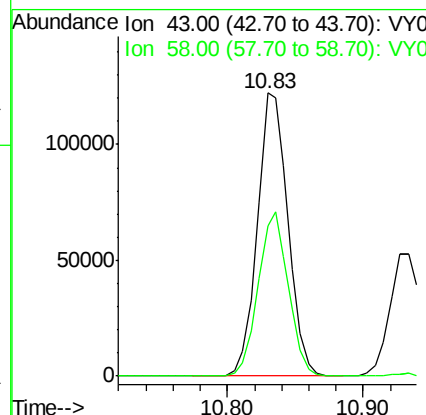
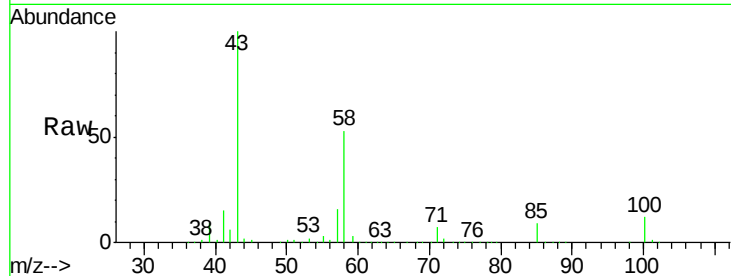




#59
2-Hexanone
Concen: 255.664 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

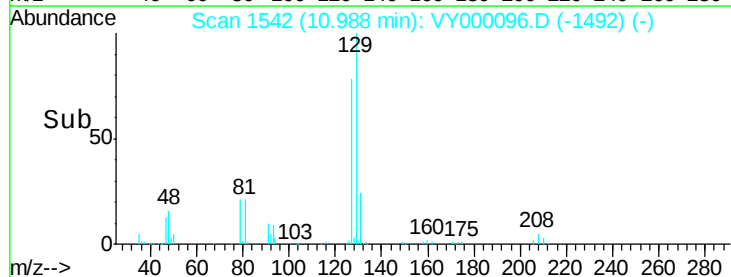
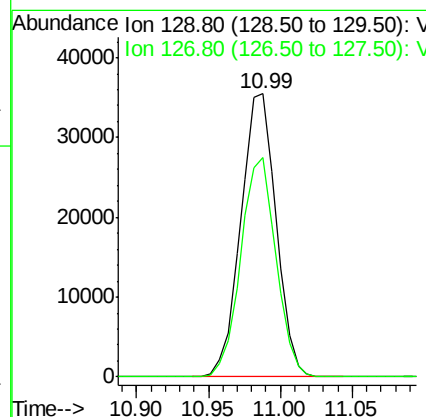
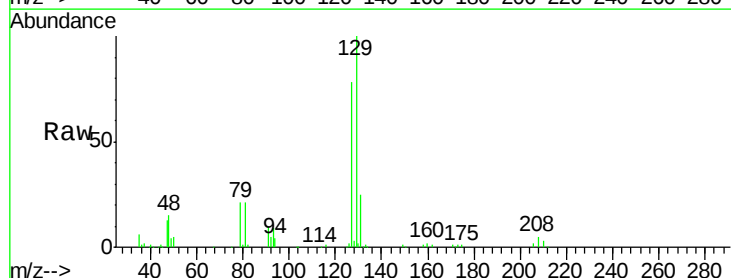
Instrument :
MSVOA_Y
ClientSampleId :

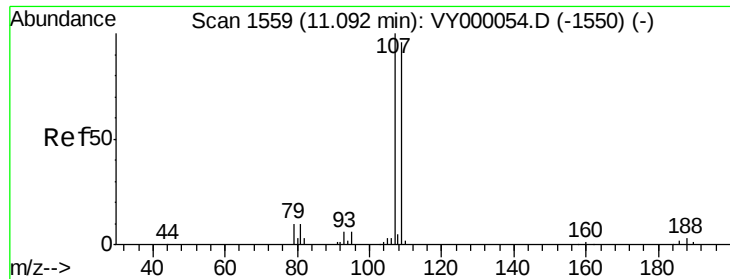
Tot Ion: 43 Resp: 192801
Ion Ratio Lower Upper
43 100
58 57.1 29.9 89.7



#60
Dibromochloromethane
Concen: 52.971 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 129 Resp: 60385
Ion Ratio Lower Upper
129 100
127 77.1 40.2 120.6

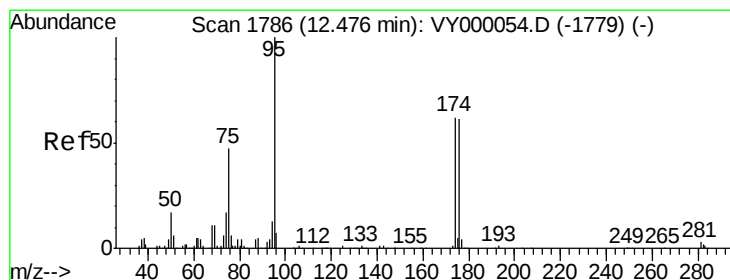
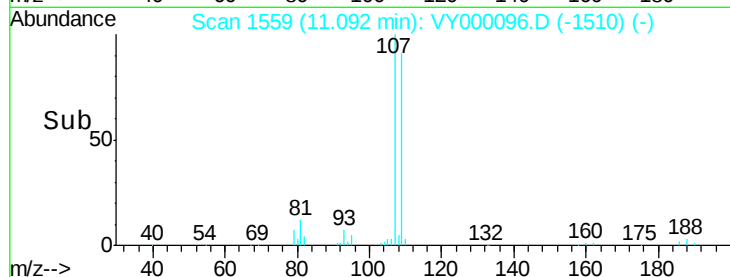
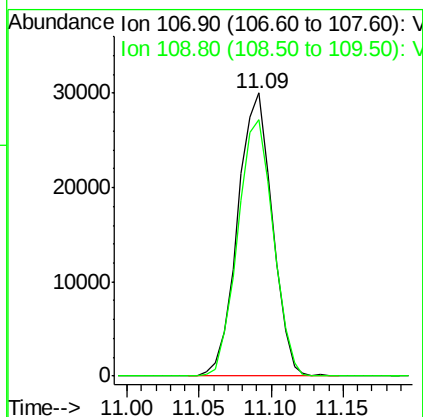
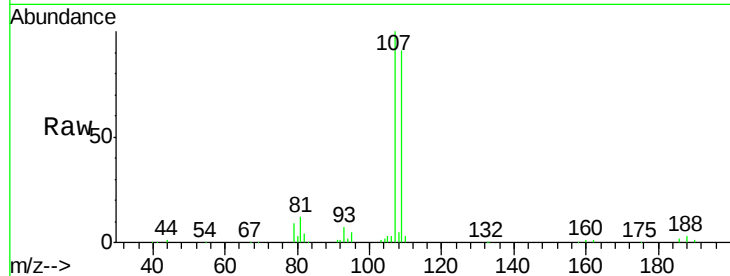




#61
 1,2-Dibromoethane
 Concen: 50.319 ug/l
 RT: 11.09 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

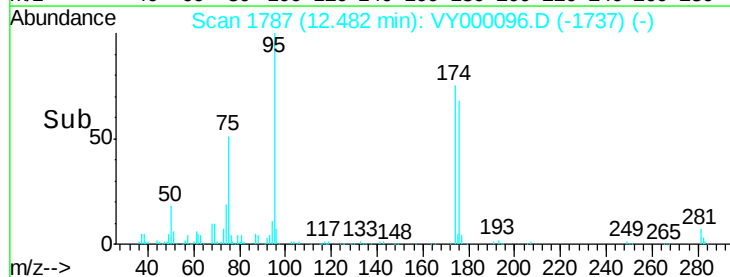
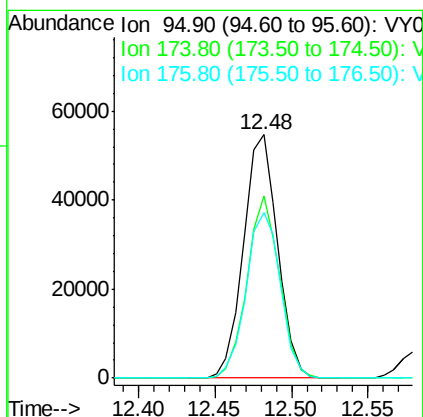
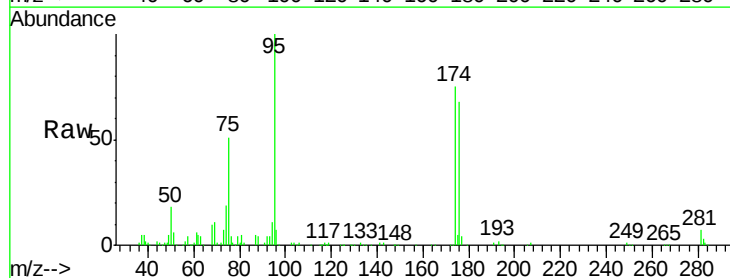
Instrument :
 MSVOA_Y
 ClientSampleId :

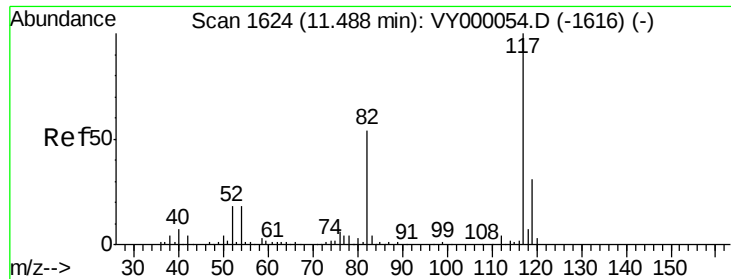
Tot Ion:107 Resp: 50011
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.215 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion: 95 Resp: 84553
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 137.2
 176 68.7 0.0 135.0

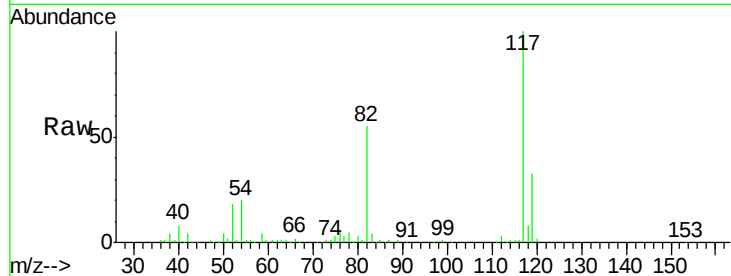




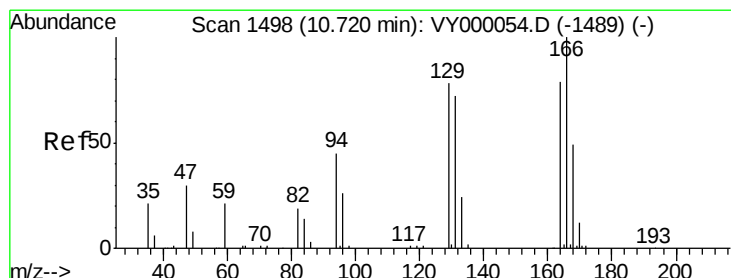
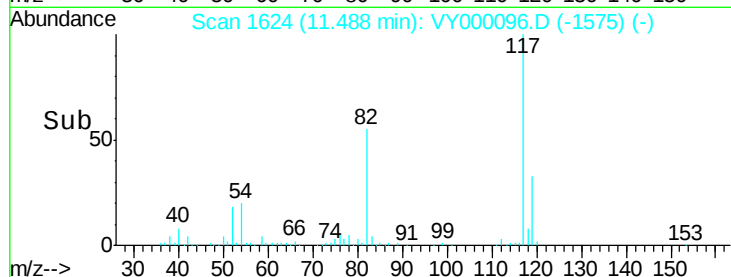
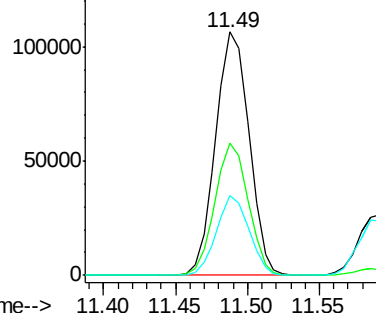
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 171525
Ion Ratio Lower Upper
117 100
82 54.5 43.5 65.3
119 32.9 24.6 36.8

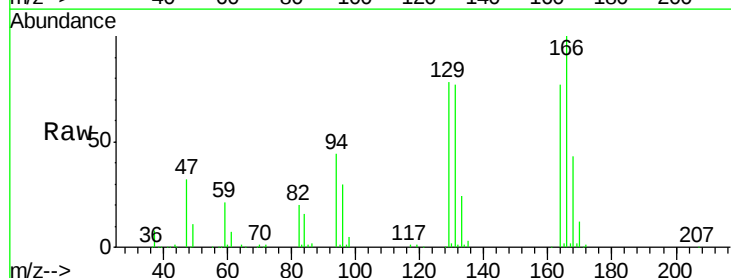


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

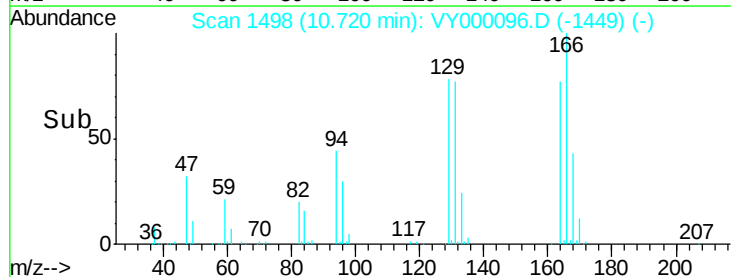
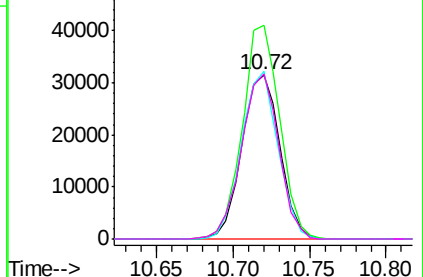


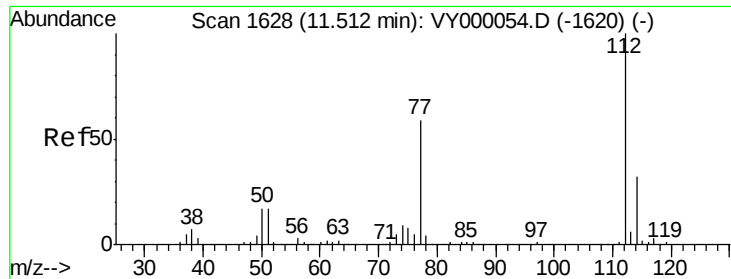
#64
Tetrachloroethene
Concen: 50.662 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion:164 Resp: 54541
Ion Ratio Lower Upper
164 100
166 129.9 100.9 151.3
129 101.8 78.4 117.6
131 100.3 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

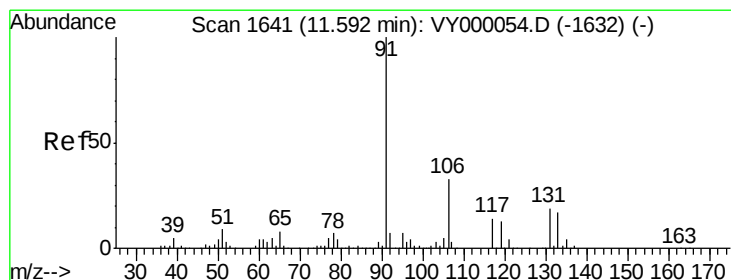
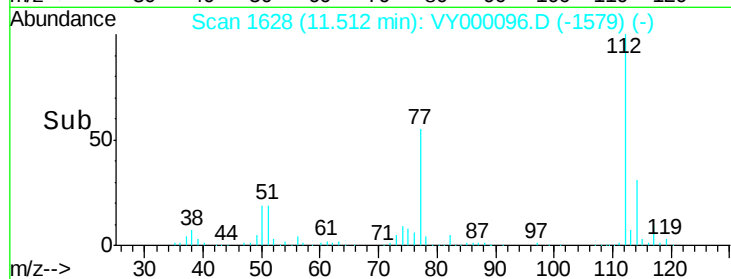
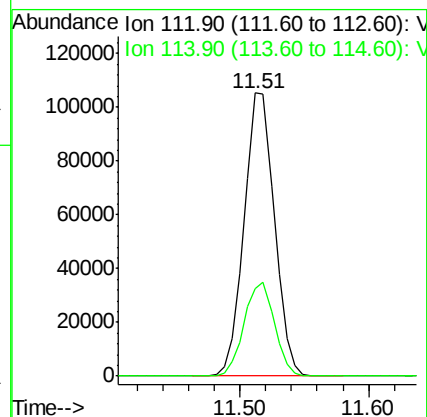
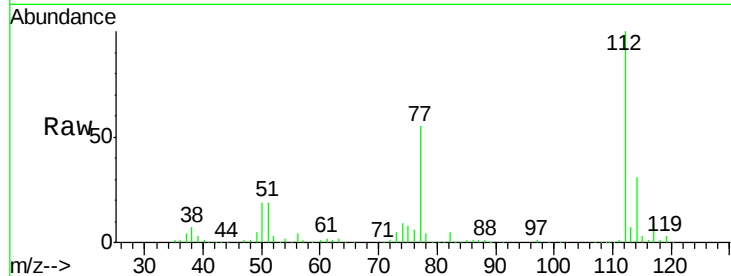




#65
Chlorobenzene
Concen: 50.495 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

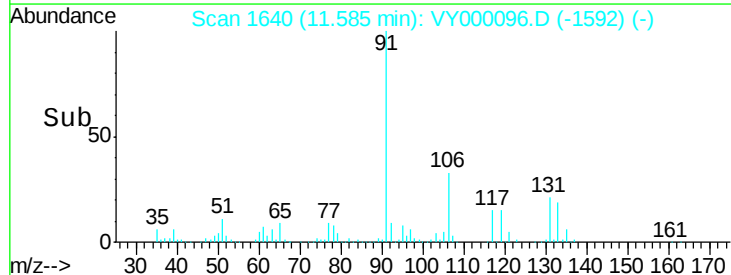
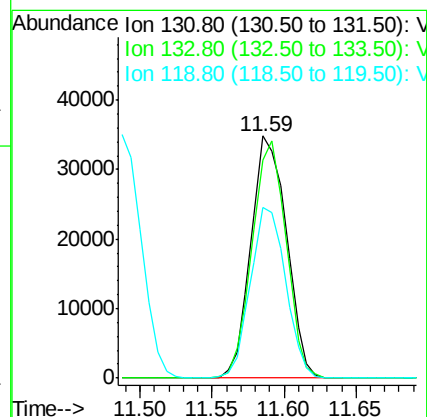
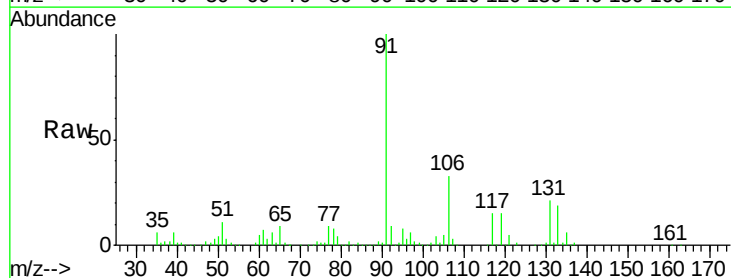
Instrument :
MSVOA_Y
ClientSampled :

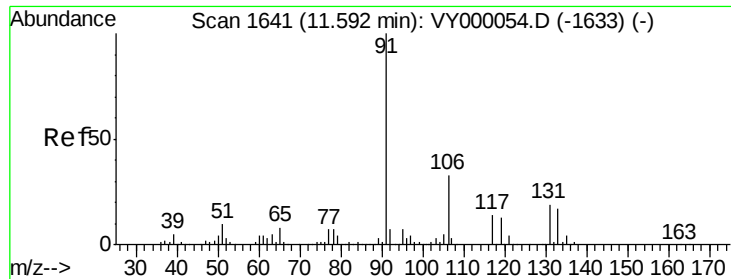
Tot Ion:112 Resp: 171321
Ion Ratio Lower Upper
112 100
114 31.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.870 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion:131 Resp: 59503
Ion Ratio Lower Upper
131 100
133 93.7 46.6 139.8
119 69.9 36.2 108.6

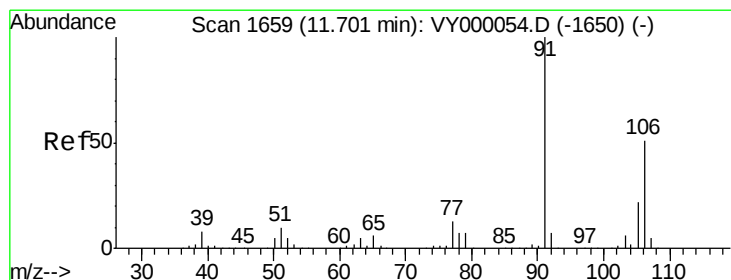
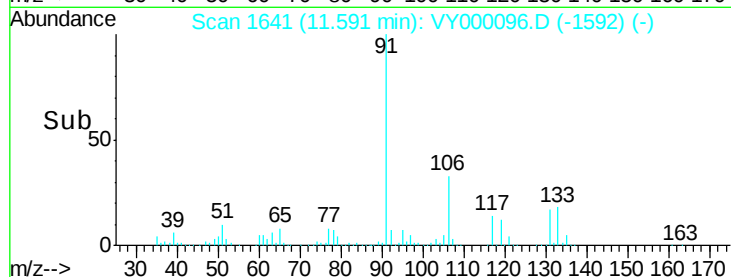
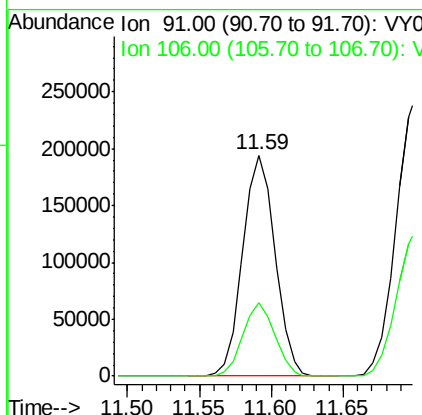
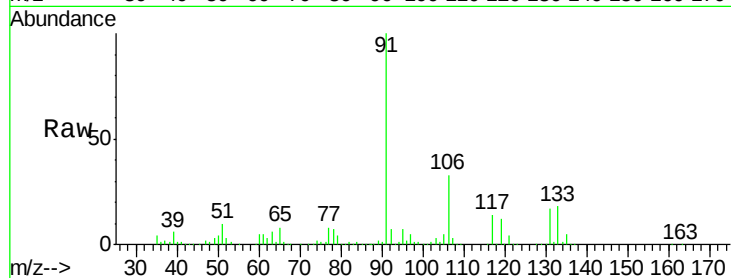




#67
Ethyl Benzene
Concen: 49.906 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

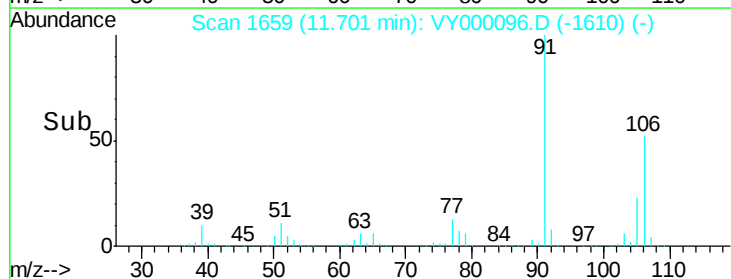
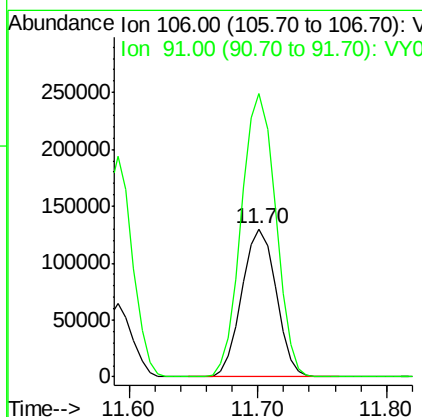
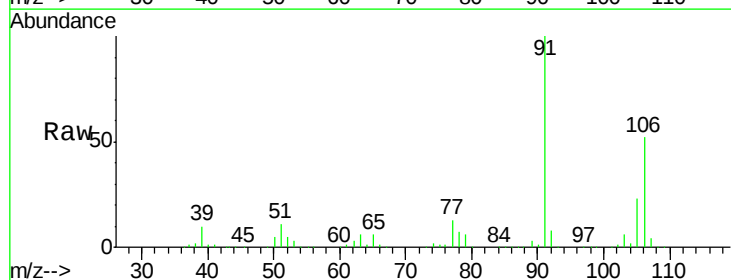
Instrument :
MSVOA_Y
ClientSampled :

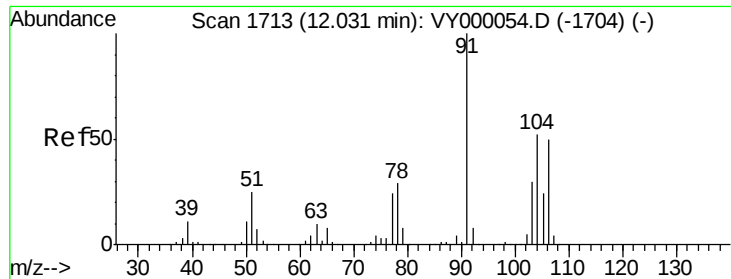
Tot Ion: 91 Resp: 302181
Ion Ratio Lower Upper
91 100
106 33.0 26.6 40.0



#68
m/p-Xylenes
Concen: 103.735 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 106 Resp: 239000
Ion Ratio Lower Upper
106 100
91 192.1 154.5 231.7

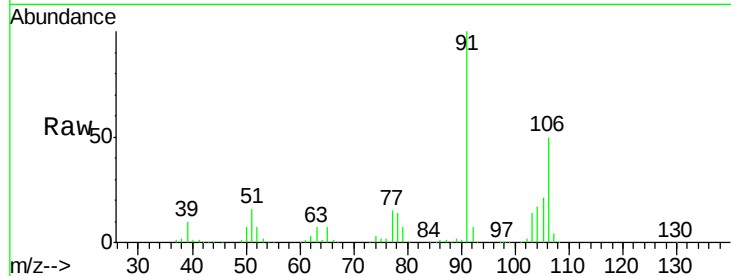




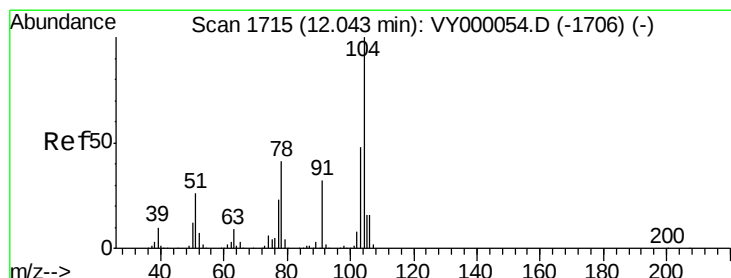
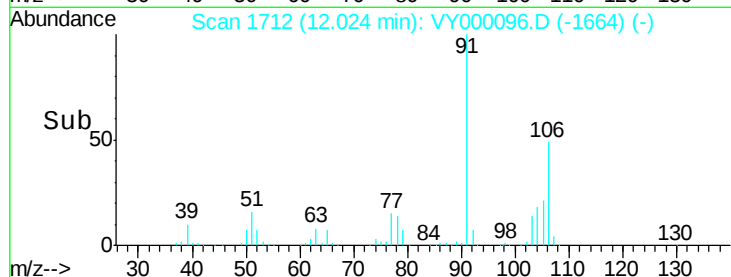
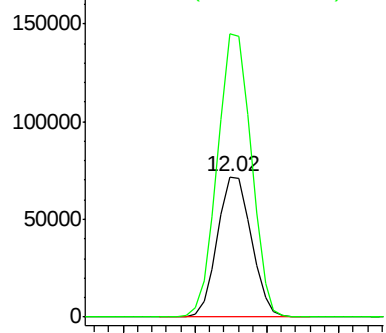
#69
o-Xylene
Concen: 52.369 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 116828
Ion Ratio Lower Upper
106 100
91 201.8 103.5 310.3

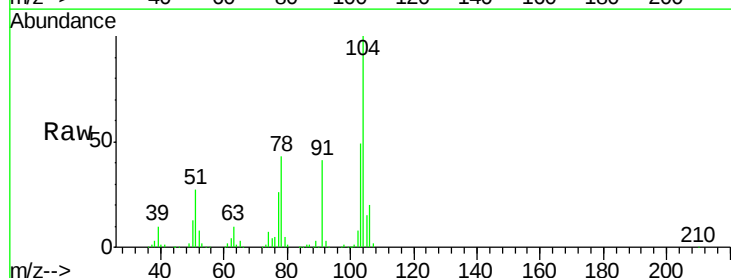


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

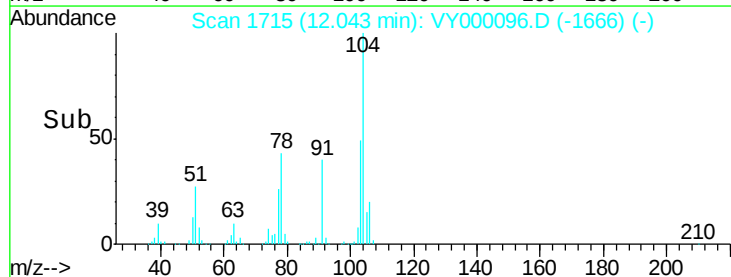
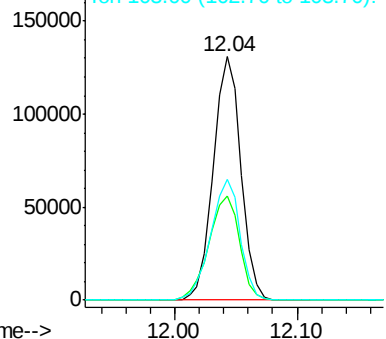


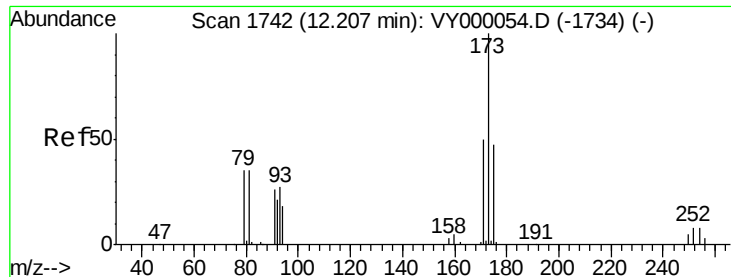
#70
Styrene
Concen: 52.258 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion:104 Resp: 204659
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 53.0 42.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.801 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampled :

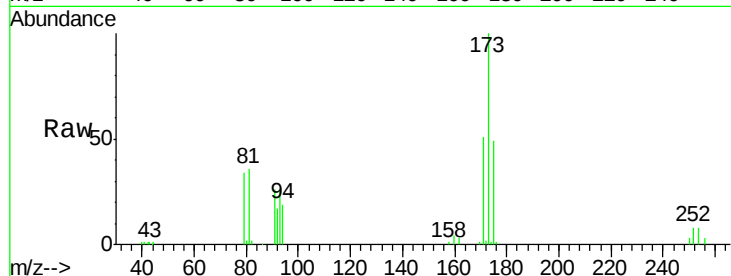
Tot Ion:173 Resp: 34402

Ion Ratio Lower Upper

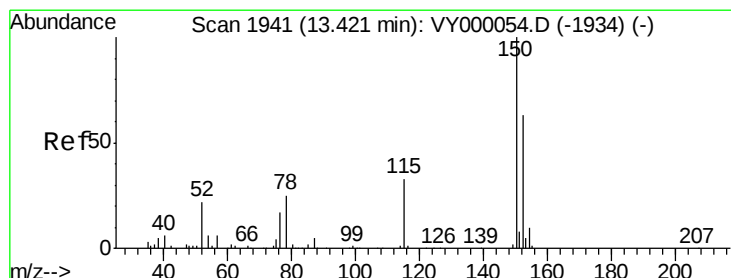
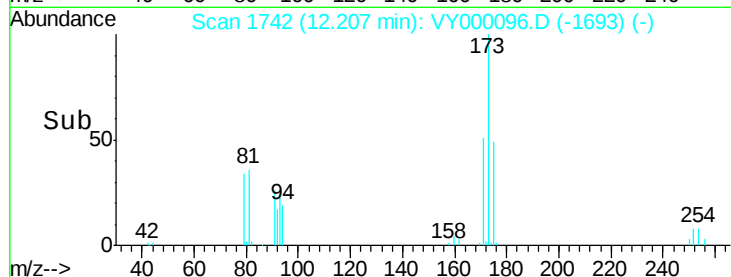
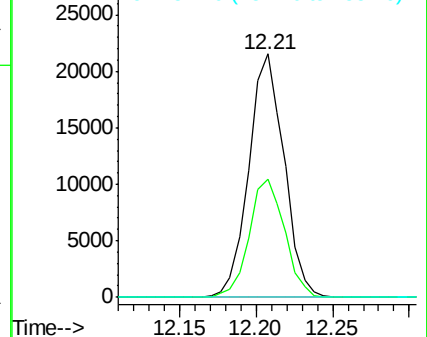
173 100

175 48.7 23.6 71.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

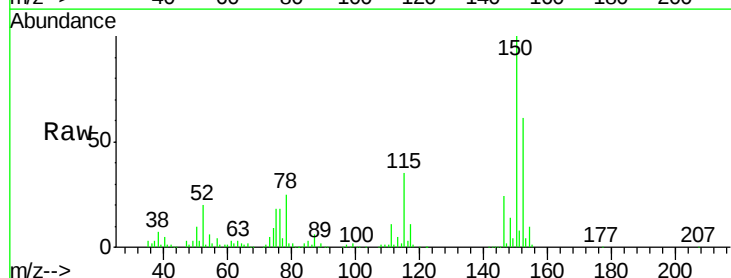
Tgt Ion:152 Resp: 76986

Ion Ratio Lower Upper

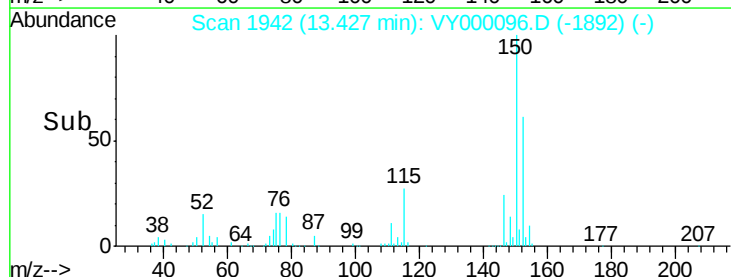
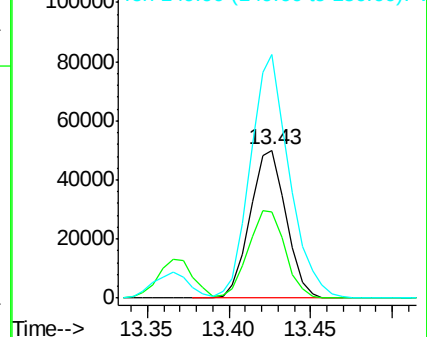
152 100

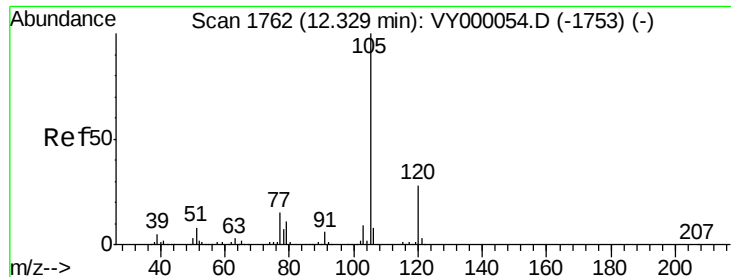
115 60.5 30.7 92.1

150 177.1 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





#73

Isopropylbenzene

Concen: 49.562 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

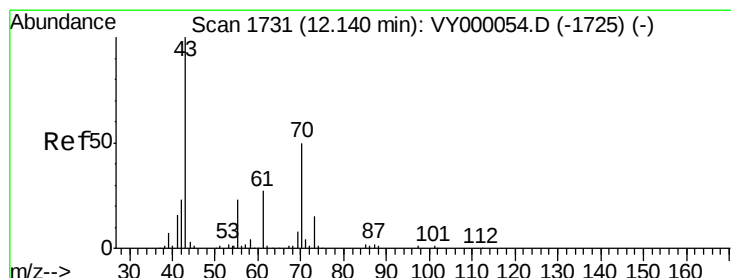
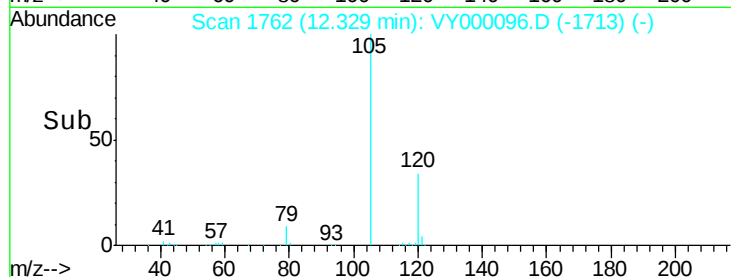
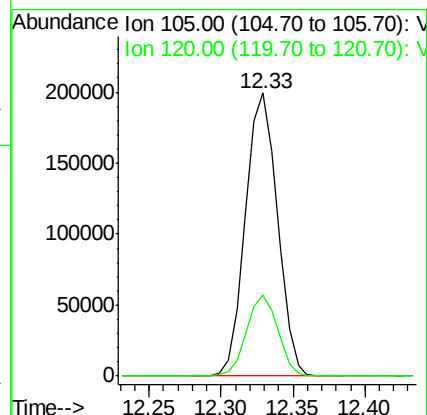
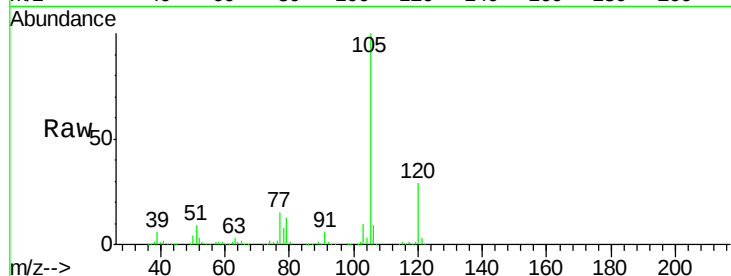
ClientSampled :

Tot Ion:105 Resp: 307497

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



#74

N-ethyl acetate

Concen: 50.878 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Tgt Ion: 43 Resp: 89927

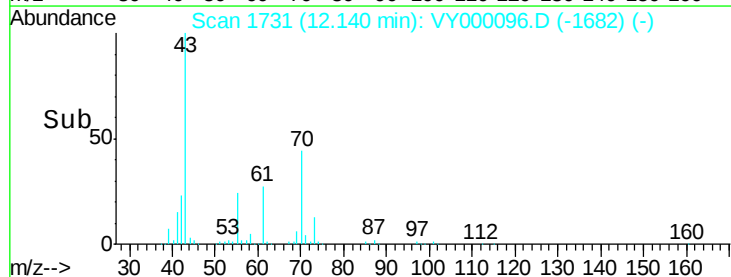
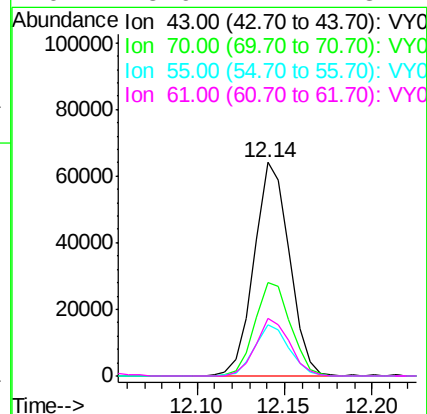
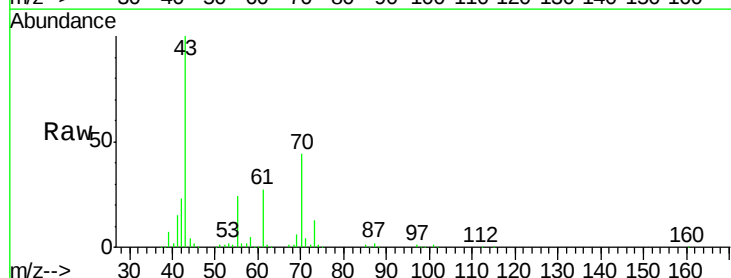
Ion Ratio Lower Upper

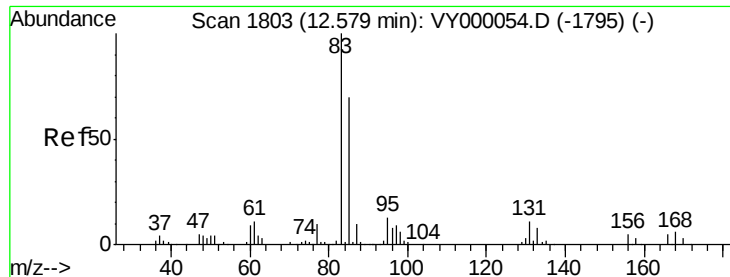
43 100

70 44.5 38.8 58.2

55 23.7 18.8 28.2

61 25.9 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.167 ug/l

RT: 12.59 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

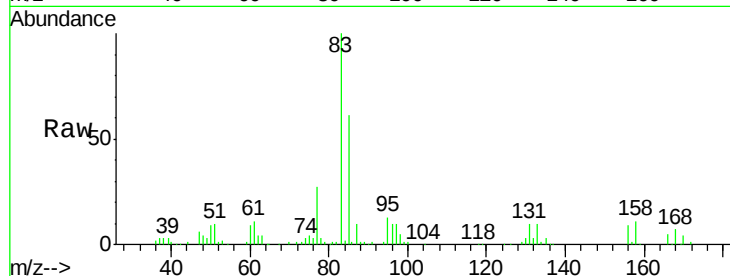
Tot Ion: 83 Resp: 70347

Ion Ratio Lower Upper

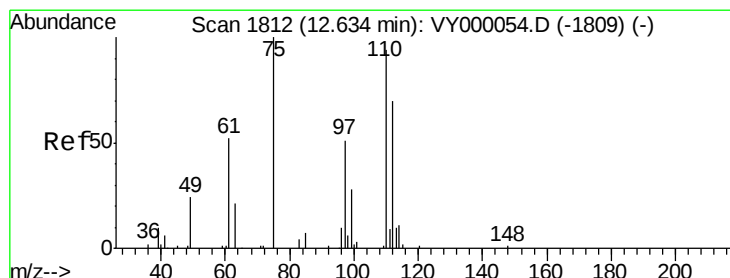
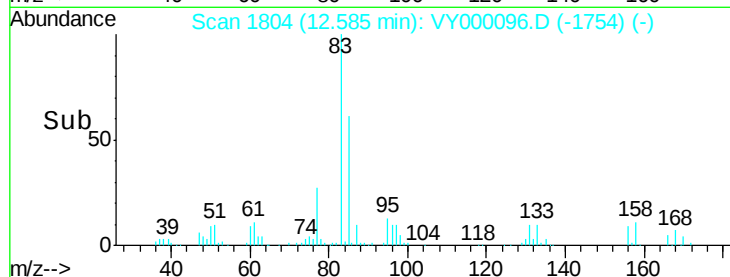
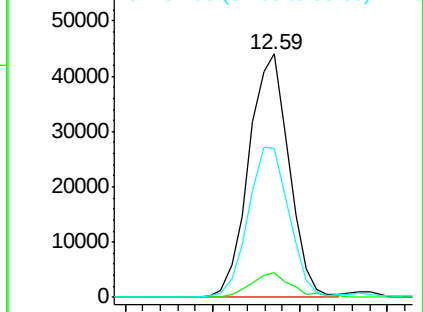
83 100

131 10.3 4.9 14.7

85 62.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 82.997 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VY000096.D

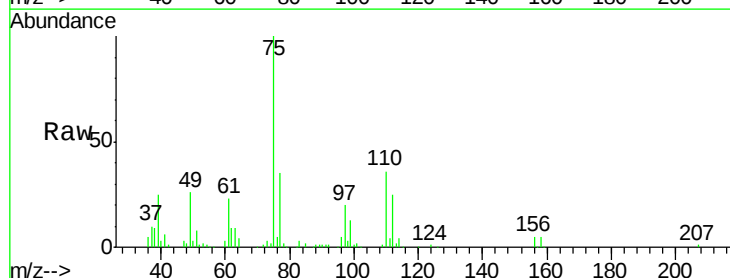
Acq: 20 Sep 2019 10:07

Tgt Ion: 75 Resp: 89901

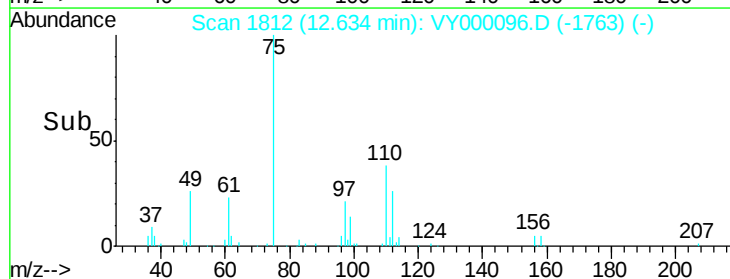
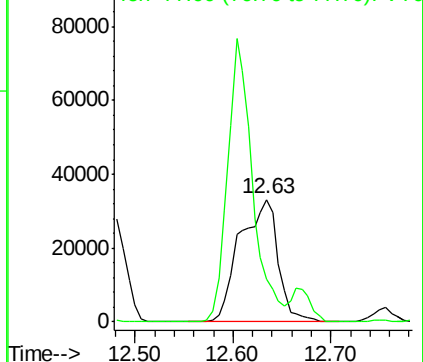
Ion Ratio Lower Upper

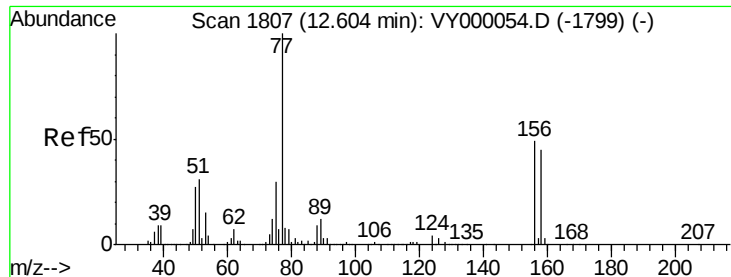
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 50.789 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

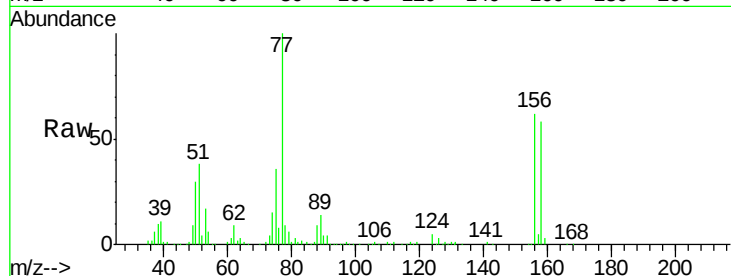
Tot Ion:156 Resp: 65799

Ion Ratio Lower Upper

156 100

77 207.2 109.7 329.0

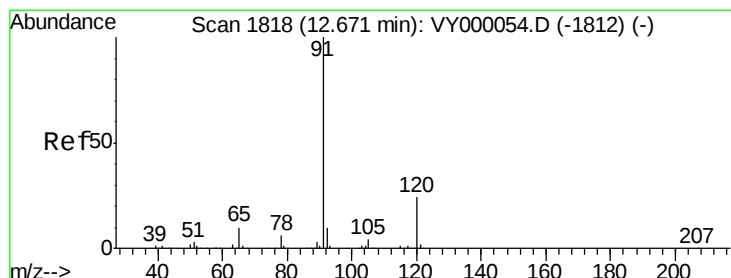
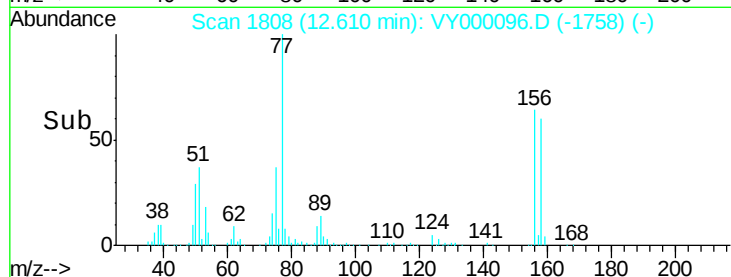
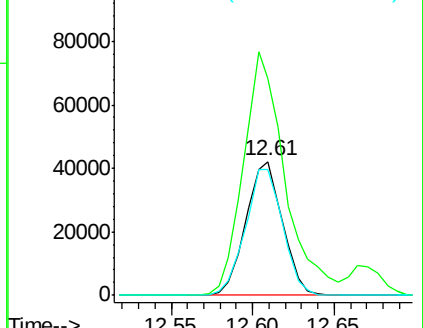
158 96.5 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.691 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000096.D

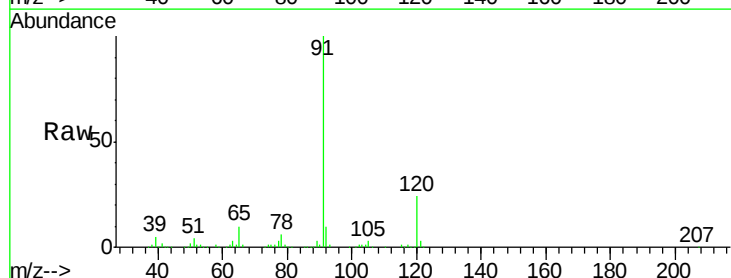
Acq: 20 Sep 2019 10:07

Tgt Ion: 91 Resp: 376068

Ion Ratio Lower Upper

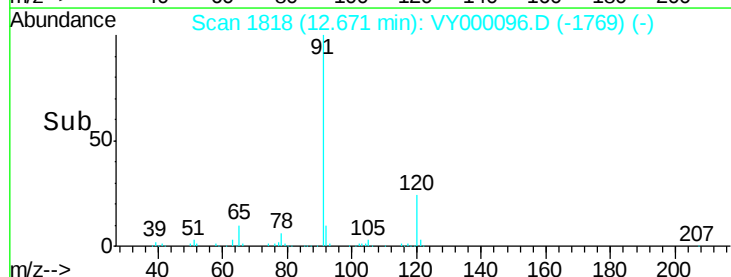
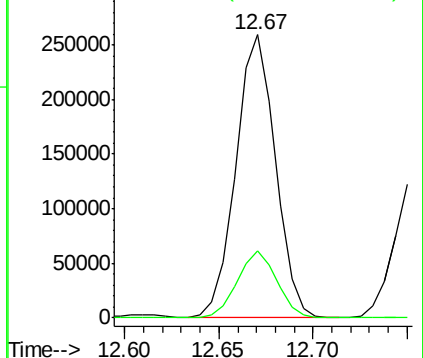
91 100

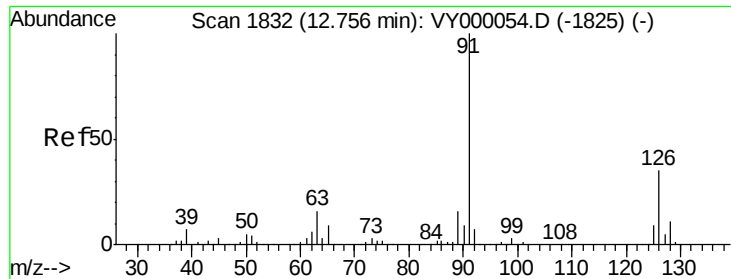
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.253 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

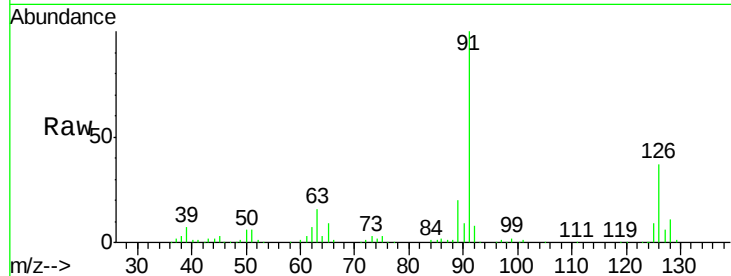
ClientSampleId :

Tot Ion: 91 Resp: 208392

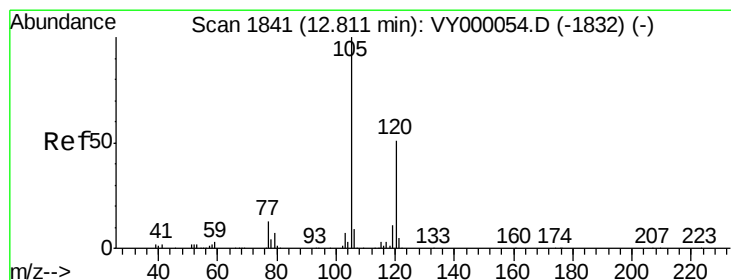
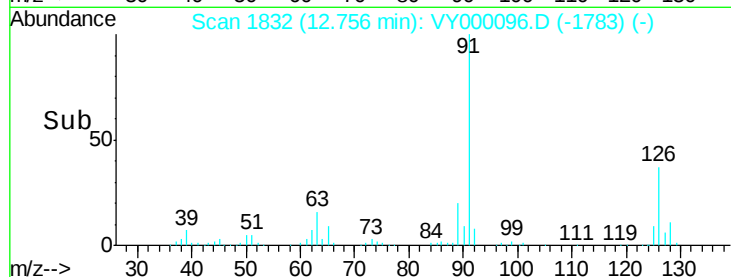
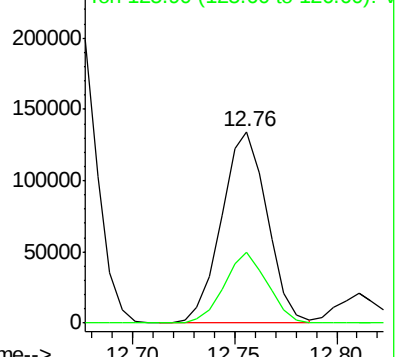
Ion Ratio Lower Upper

91 100

126 35.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.448 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000096.D

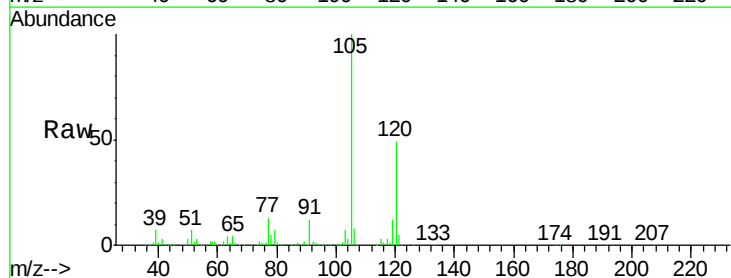
Acq: 20 Sep 2019 10:07

Tgt Ion:105 Resp: 259275

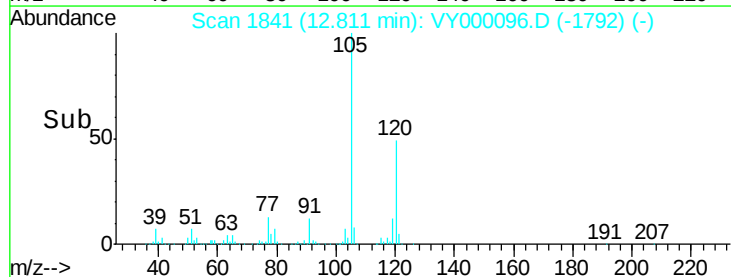
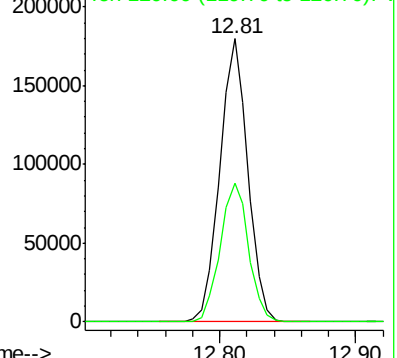
Ion Ratio Lower Upper

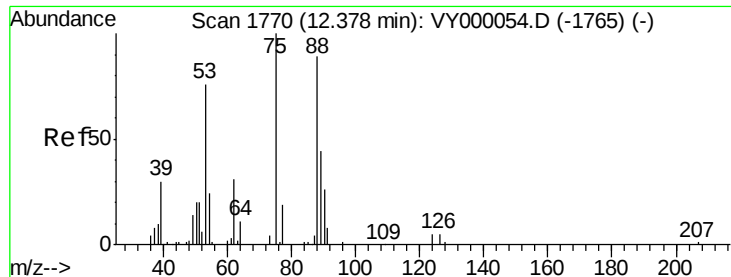
105 100

120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000054.D (-1832) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.960 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

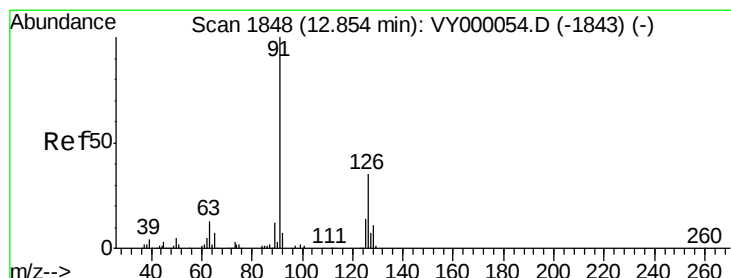
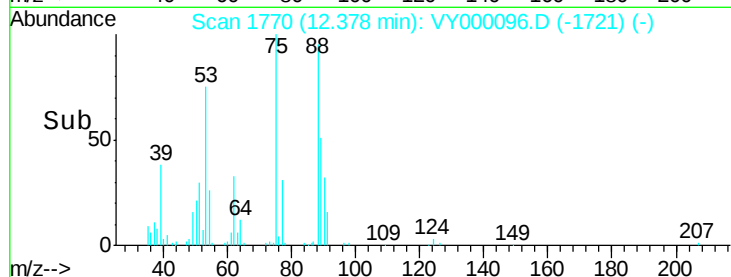
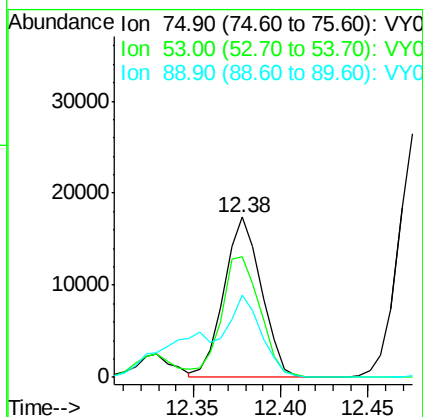
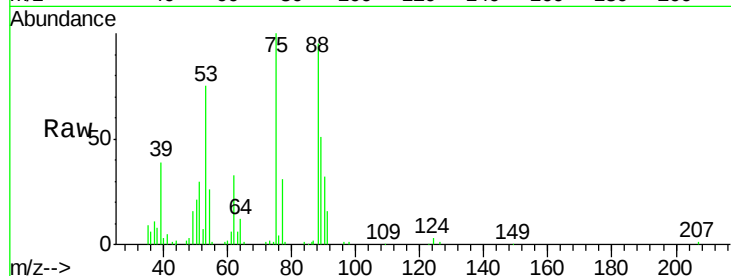
Tot Ion: 75 Resp: 25885

Ion Ratio Lower Upper

75 100

53 78.1 60.9 91.3

89 47.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 49.947 ug/l

RT: 12.85 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VY000096.D

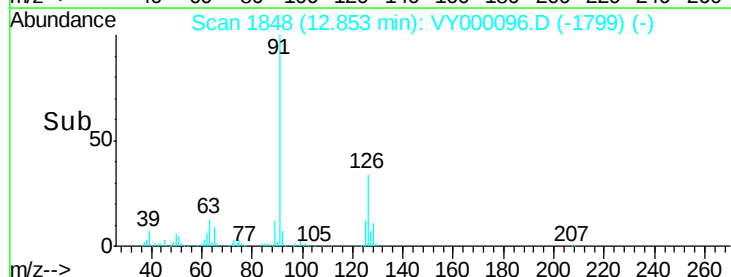
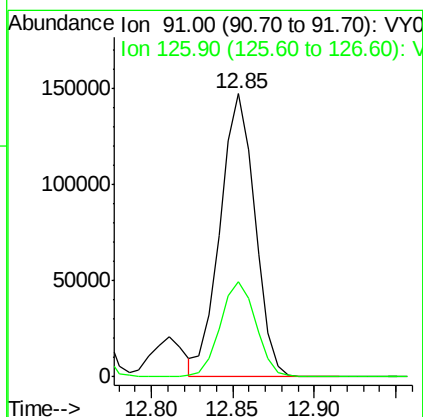
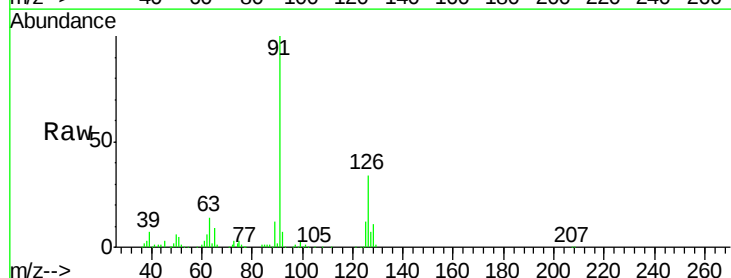
Acq: 20 Sep 2019 10:07

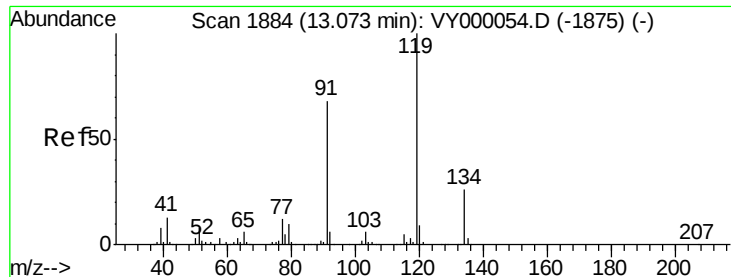
Tgt Ion: 91 Resp: 218518

Ion Ratio Lower Upper

91 100

126 34.4 16.7 50.1

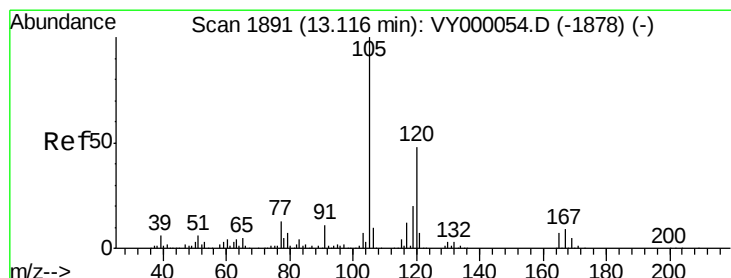
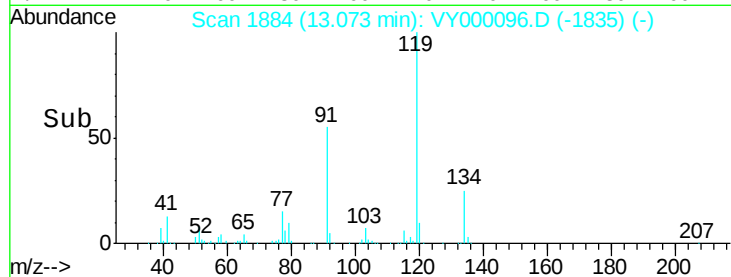
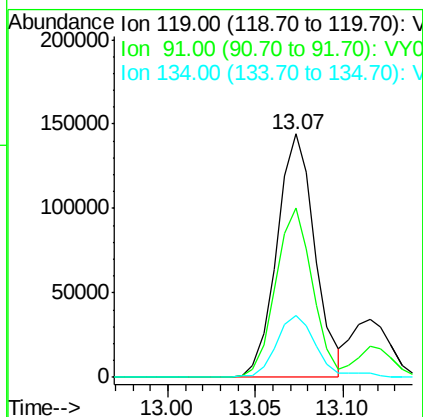
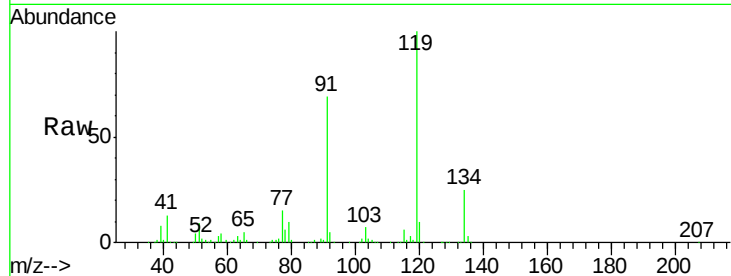




#83
tert-Butylbenzene
Concen: 49.819 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

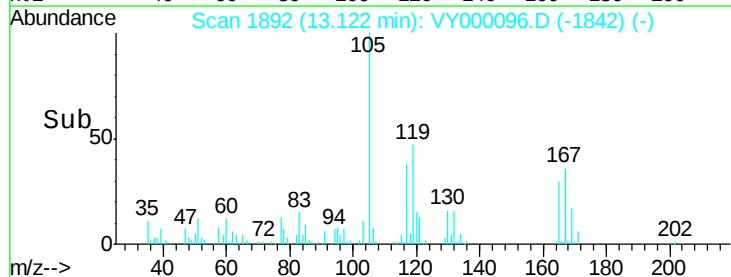
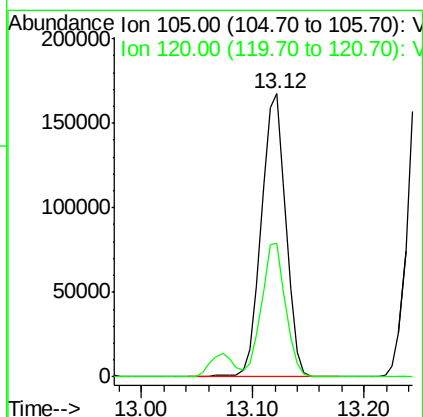
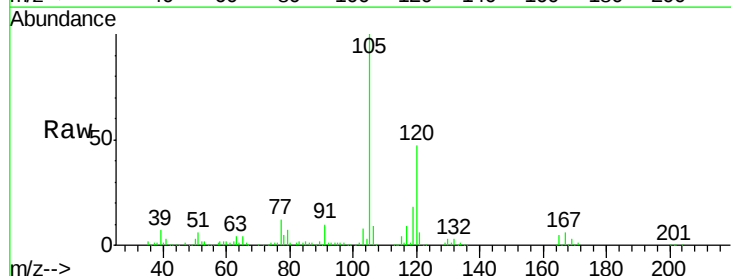
Instrument :
MSVOA_Y
ClientSampled :

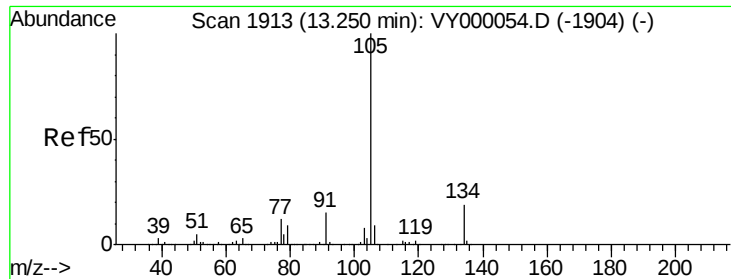
Tot Ion:119 Resp: 219056
Ion Ratio Lower Upper
119 100
91 67.4 33.4 100.1
134 27.2 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 50.828 ug/l
RT: 13.12 min Scan# 1892
Delta R.T. 0.01 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion:105 Resp: 257539
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 49.971 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

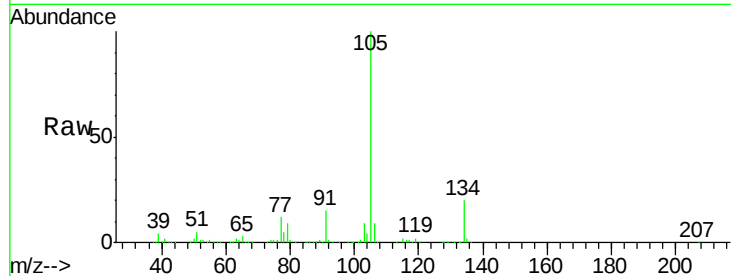
ClientSampleId :

Tot Ion:105 Resp: 324629

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

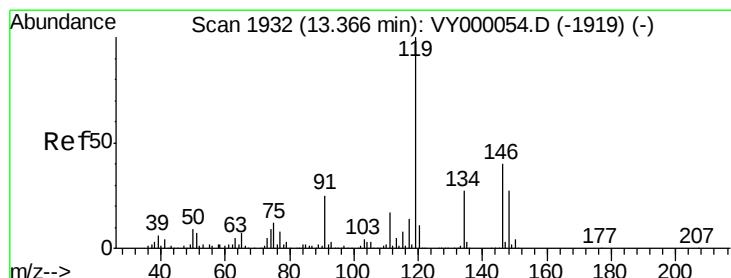
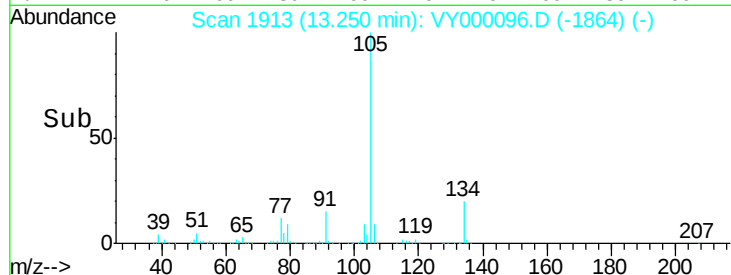
100000

50000

0

13.15 13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 50.576 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

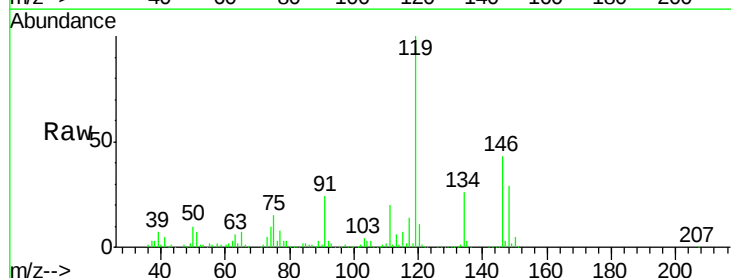
Tgt Ion:119 Resp: 278499

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 24.2 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

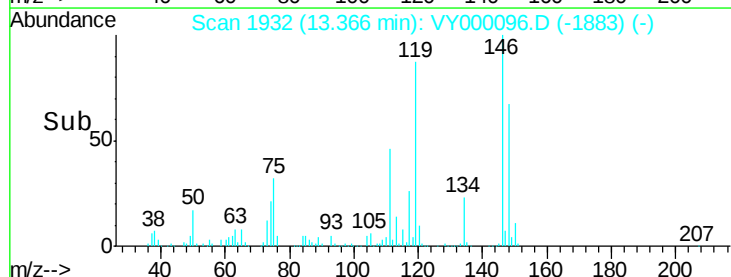
100000

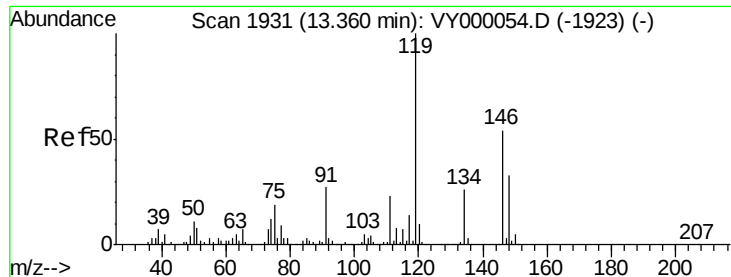
50000

0

13.30 13.35 13.40 13.45

Time-->

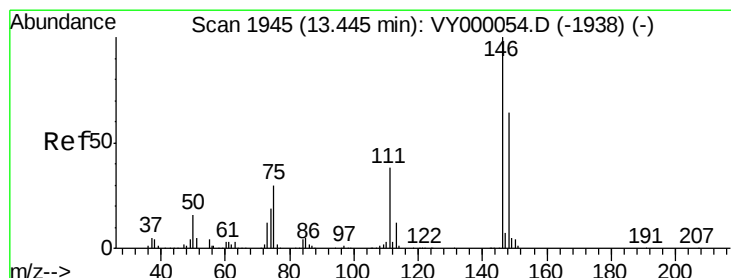
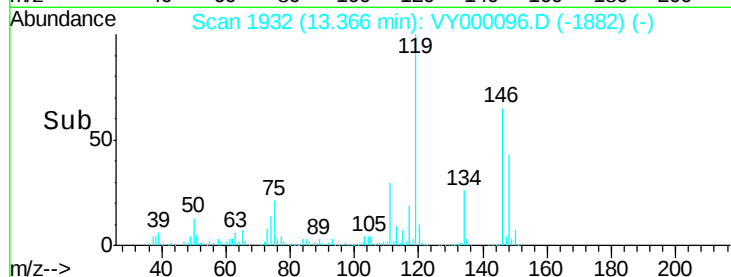
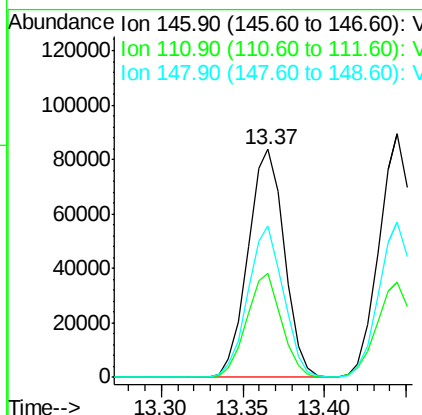
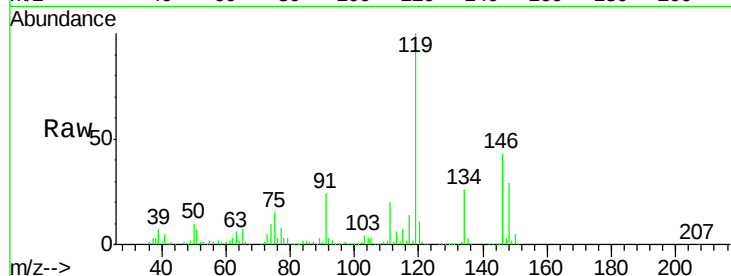




#87
 1,3-Dichlorobenzene
 Concen: 50.492 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

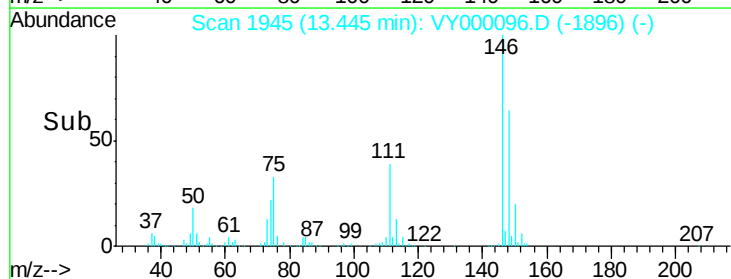
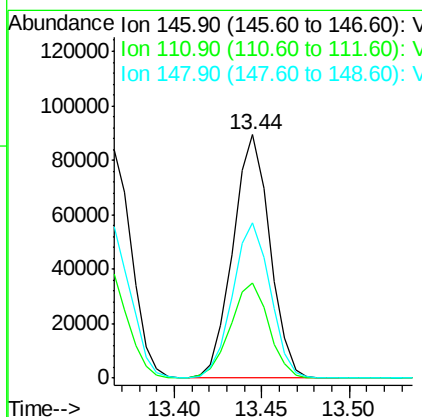
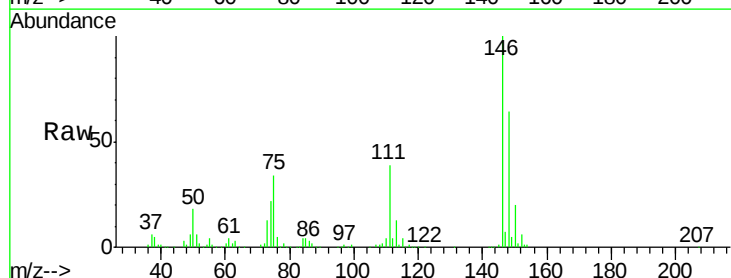
Instrument :
 MSVOA_Y
 ClientSampled :

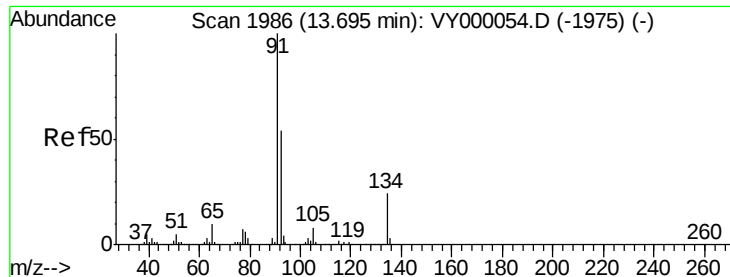
Tot Ion:146 Resp: 129760
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.1 63.1
 148 65.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 51.065 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion:146 Resp: 131868
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.8 62.4
 148 65.2 31.5 94.5

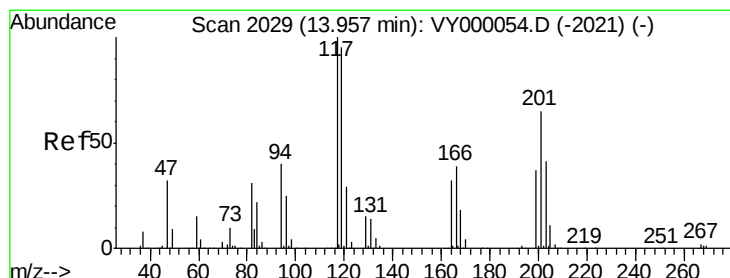
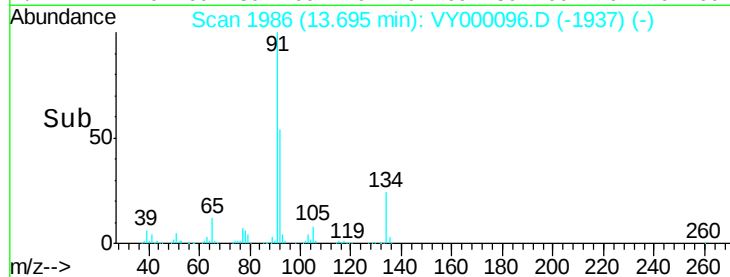
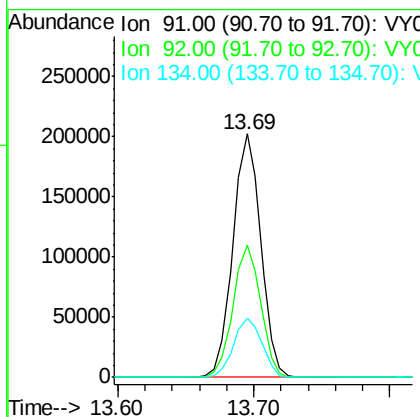
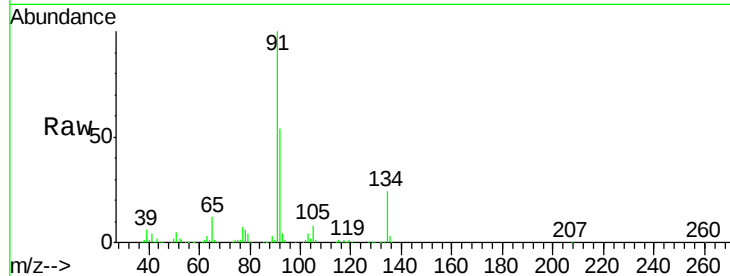




#89
n-Butylbenzene
Concen: 50.936 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

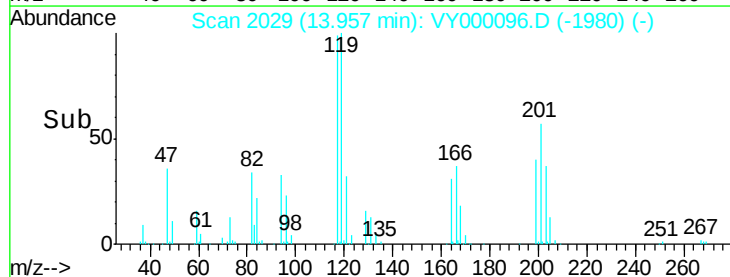
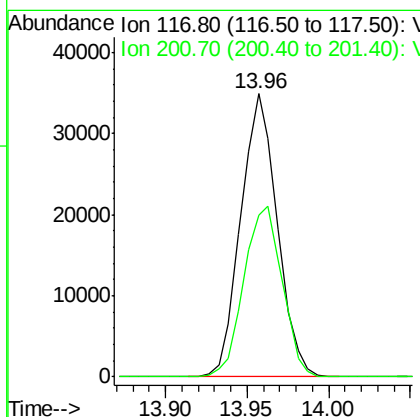
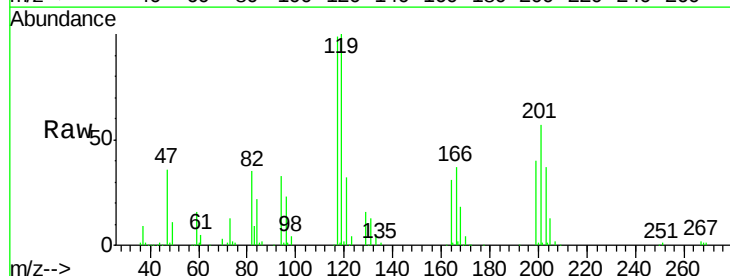
Instrument :
MSVOA_Y
ClientSampled :

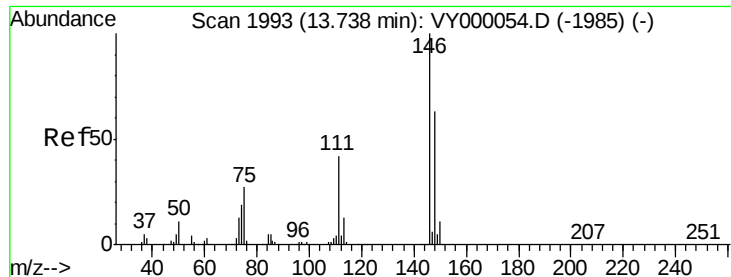
Tot Ion: 91 Resp: 288543
Ion Ratio Lower Upper
91 100
92 54.0 27.2 81.5
134 24.8 12.2 36.6



#90
Hexachloroethane
Concen: 50.234 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000096.D
Acq: 20 Sep 2019 10:07

Tgt Ion: 117 Resp: 54358
Ion Ratio Lower Upper
117 100
201 63.3 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 52.658 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

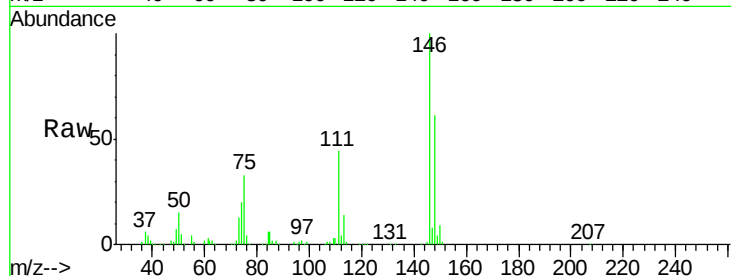
Tot Ion:146 Resp: 127143

Ion Ratio Lower Upper

146 100

111 41.9 21.9 65.7

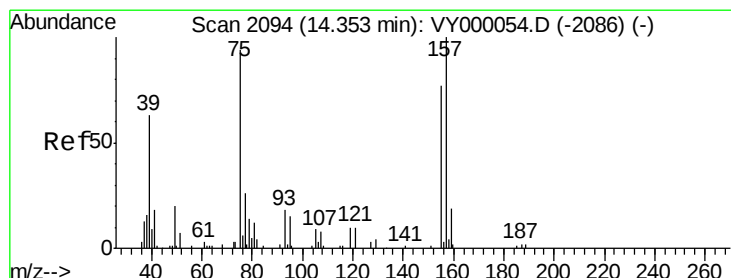
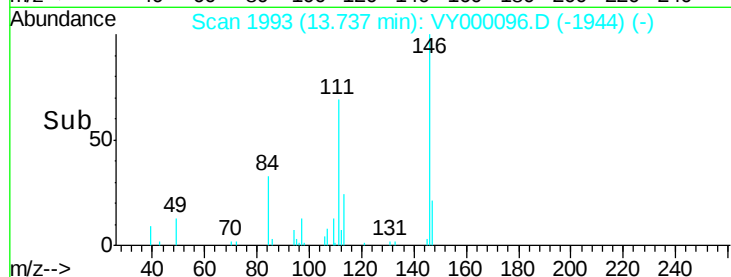
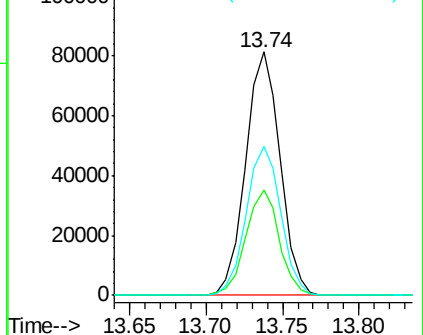
148 61.5 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.832 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

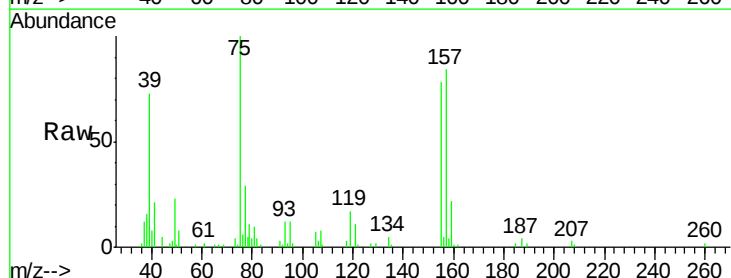
Tgt Ion: 75 Resp: 12178

Ion Ratio Lower Upper

75 100

155 83.8 40.6 121.7

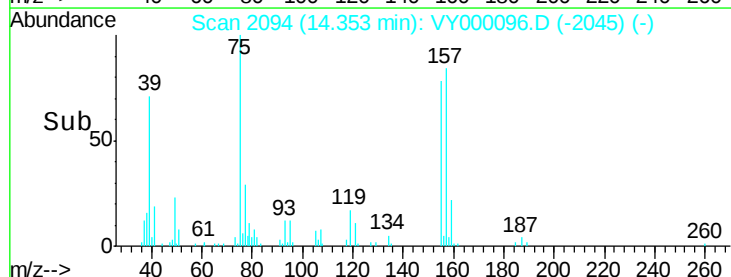
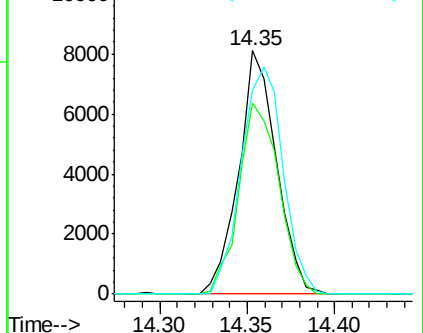
157 103.6 52.9 158.8

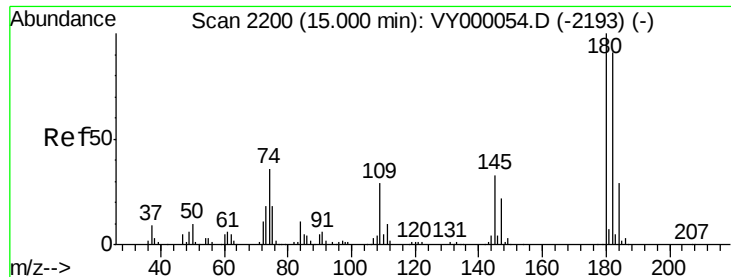


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

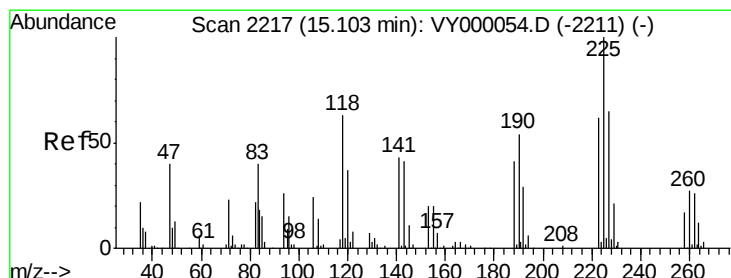
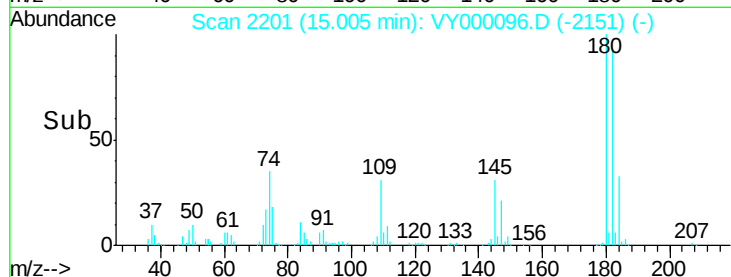
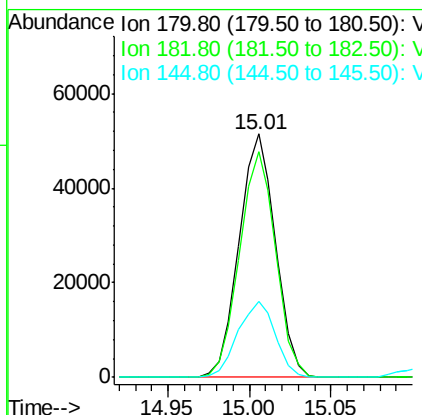
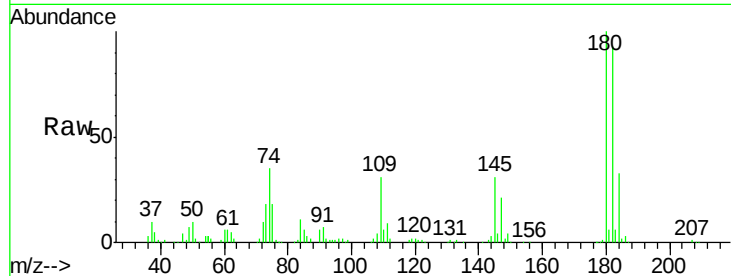




#93
 1,2,4-Trichlorobenzene
 Concen: 54.720 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

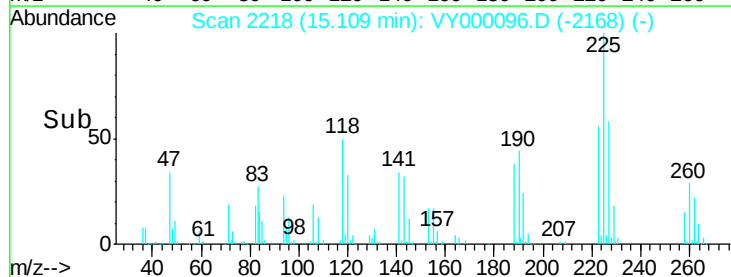
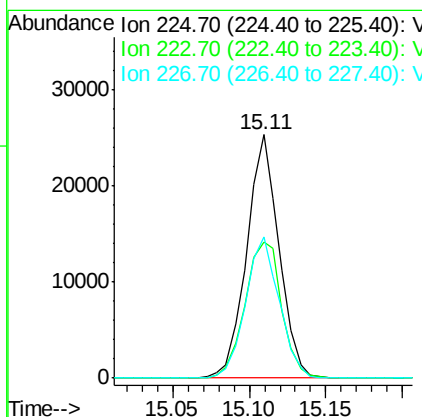
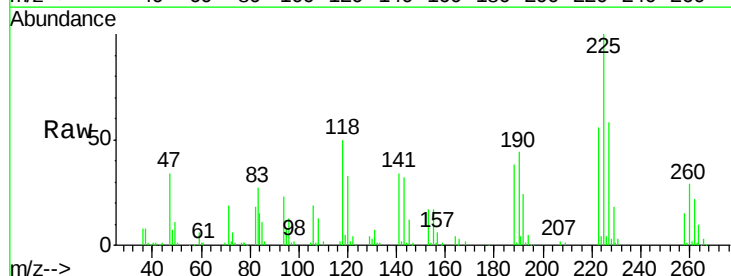
Instrument :
 MSVOA_Y
 ClientSampleId :

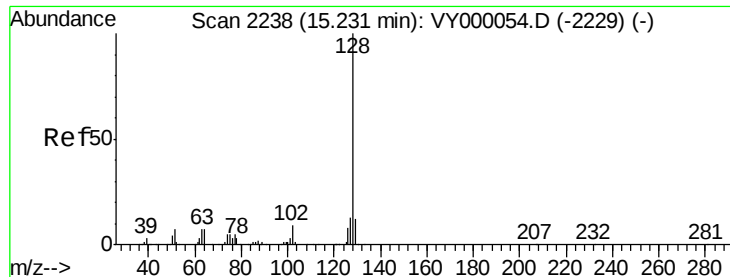
Tot Ion:180 Resp: 79724
 Ion Ratio Lower Upper
 180 100
 182 92.3 48.5 145.6
 145 32.2 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 52.894 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000096.D
 Acq: 20 Sep 2019 10:07

Tgt Ion:225 Resp: 37000
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.5
 227 60.7 30.6 91.6





#95

Naphthalene

Concen: 49.722 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

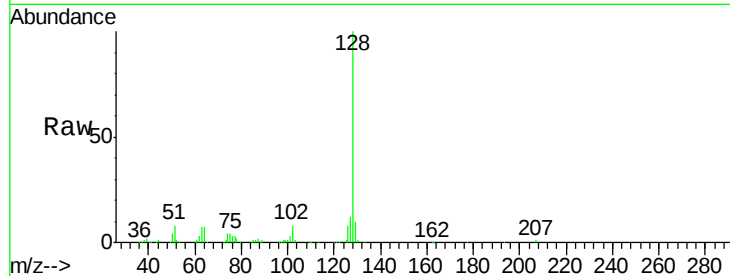
Tot Ion:128 Resp: 205646

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

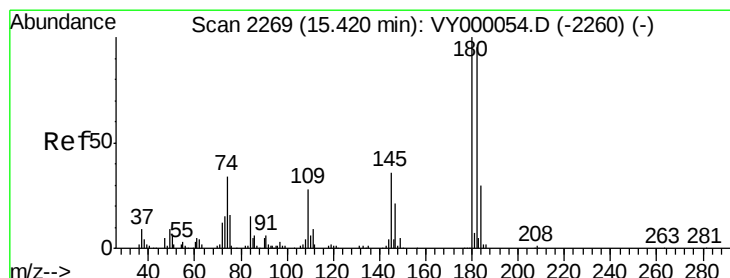
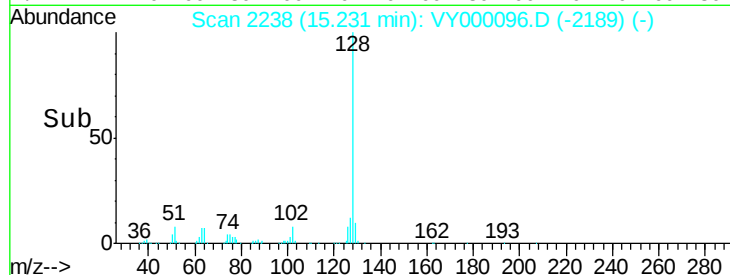
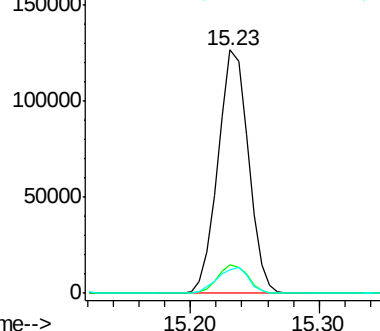
129 11.0 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.764 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000096.D

Acq: 20 Sep 2019 10:07

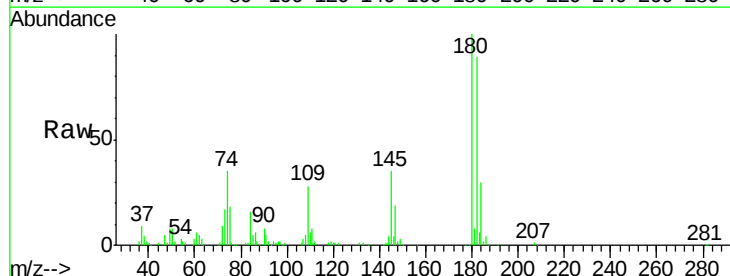
Tgt Ion:180 Resp: 71974

Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.5

145 36.3 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

