

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020320\
 Data File : VY001463.D
 Acq On : 03 Feb 2020 10:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: Feb 03 11:07:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	185755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	324087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	288308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	103950	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.75	113	100770	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.19	98	403299	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.49	95	154965	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.91	85	66915	45.68	ug/l	98
3) Chloromethane	2.13	50	98622	44.54	ug/l	99
4) Vinyl Chloride	2.27	62	104082	45.09	ug/l	96
5) Bromomethane	2.67	94	68931	44.34	ug/l	99
6) Chloroethane	2.81	64	68162	46.21	ug/l	95
7) Trichlorofluoromethane	3.15	101	143640	48.63	ug/l	99
8) Diethyl Ether	3.55	74	55776	44.73	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	94451	50.21	ug/l	98
10) Methyl Iodide	4.12	142	111340	44.88	ug/l	100
11) Tert butyl alcohol	4.99	59	51681	199.46	ug/l #	86
12) 1,1-Dichloroethene	3.90	96	92035	46.67	ug/l	96
13) Acrolein	3.76	56	40560	271.67	ug/l	99
14) Allyl chloride	4.51	41	170188	48.39	ug/l	98
15) Acrylonitrile	5.21	53	144508	226.41	ug/l	100
16) Acetone	3.97	43	154479	291.38	ug/l	99
17) Carbon Disulfide	4.22	76	266439	42.95	ug/l	97
18) Methyl Acetate	4.51	43	72238	42.38	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	263737	45.67	ug/l	99
20) Methylene Chloride	4.75	84	108433	42.84	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	105487	46.05	ug/l	97
22) Diisopropyl ether	6.15	45	358045	47.94	ug/l	96
23) Vinyl Acetate	6.10	43	1123801	231.78	ug/l	99
24) 1,1-Dichloroethane	6.05	63	189555	48.15	ug/l	98
25) 2-Butanone	7.02	43	210478	239.24	ug/l	99
26) 2,2-Dichloropropane	7.01	77	168838	48.15	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	121150	47.32	ug/l	98
28) Bromochloromethane	7.36	49	94040	57.93	ug/l	97
29) Tetrahydrofuran	7.38	42	124971	218.34	ug/l	98
30) Chloroform	7.54	83	184457	47.80	ug/l	98
31) Cyclohexane	7.81	56	182006	46.57	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	159463	48.94	ug/l	100
36) 1,1-Dichloropropene	7.94	75	148366	48.46	ug/l	99
37) Ethyl Acetate	7.10	43	85624	45.77	ug/l	98
38) Carbon Tetrachloride	7.93	117	136580	50.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	193758	49.40	ug/l	99
40) Benzene	8.19	78	445692	48.55	ug/l	99
41) Methacrylonitrile	7.37	41	115314	119.45	ug/l #	100
42) 1,2-Dichloroethane	8.27	62	121070	47.20	ug/l	99
43) Isopropyl Acetate	8.30	43	167726	46.11	ug/l	99
44) Trichloroethene	8.96	130	111630	47.38	ug/l	97
45) 1,2-Dichloropropane	9.24	63	113442	48.88	ug/l	99
46) Dibromomethane	9.33	93	58444	46.91	ug/l	97
47) Bromodichloromethane	9.52	83	147112	49.39	ug/l	97
48) Methyl methacrylate	9.31	41	74735	45.19	ug/l	98
49) 1,4-Dioxane	9.32	88	15657	891.12	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	426622	227.74	ug/l	100
52) Toluene	10.26	92	283465	48.71	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	161217	48.83	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	184824	48.78	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	88291	48.01	ug/l	97
56) Ethyl methacrylate	10.52	69	130622	47.00	ug/l	97
57) 1,3-Dichloropropane	10.80	76	153480	47.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	228514	237.59	ug/l	99
59) 2-Hexanone	10.85	43	314457	241.13	ug/l	100
60) Dibromochloromethane	11.00	129	101180	49.19	ug/l	100
61) 1,2-Dibromoethane	11.10	107	81538	46.90	ug/l	99
64) Tetrachloroethene	10.74	164	90245	49.00	ug/l	95
65) Chlorobenzene	11.53	112	293330	48.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	103038	49.68	ug/l	99
67) Ethyl Benzene	11.61	91	548903	49.01	ug/l	98
68) m/p-Xylenes	11.71	106	412241	98.55	ug/l	99
69) o-Xylene	12.04	106	195394	48.56	ug/l	99
70) Styrene	12.06	104	348237	49.32	ug/l	99
71) Bromoform	12.22	173	58290	47.08	ug/l #	98
73) Isopropylbenzene	12.34	105	535619	49.77	ug/l	100
74) N-amyl acetate	12.16	43	160916	45.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	108794	47.20	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	142526	86.72	ug/l #	100
77) Bromobenzene	12.62	156	114700	48.11	ug/l	98
78) n-propylbenzene	12.68	91	653158	50.42	ug/l	100
79) 2-Chlorotoluene	12.77	91	368803	49.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	447629	49.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41423	47.69	ug/l	98
82) 4-Chlorotoluene	12.86	91	387446	49.01	ug/l	100
83) tert-Butylbenzene	13.09	119	385531	50.91	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	443847	49.21	ug/l	99
85) sec-Butylbenzene	13.27	105	550933	51.20	ug/l	100
86) p-Isopropyltoluene	13.38	119	477574	50.37	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	222724	48.51	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	226038	48.49	ug/l	100
89) n-Butylbenzene	13.71	91	484931	50.82	ug/l	99
90) Hexachloroethane	13.97	117	92304	51.36	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	204699	48.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17373	43.68	ug/l	99

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Response via : Initial Calibration

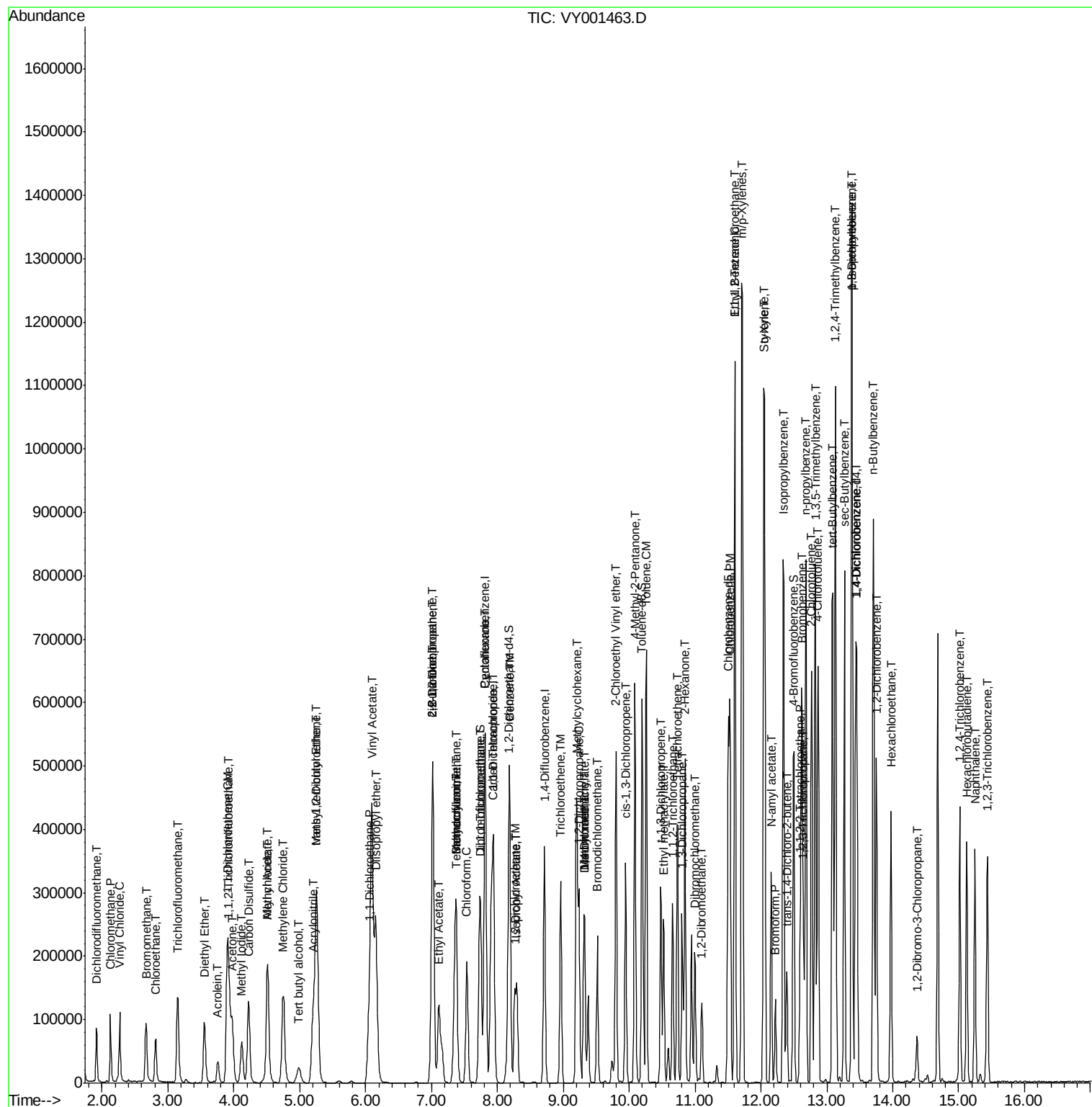
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129183	45.46	ug/l	99
94) Hexachlorobutadiene	15.12	225	65489	47.33	ug/l	99
95) Naphthalene	15.25	128	292555	45.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	113617	45.58	ug/l	99

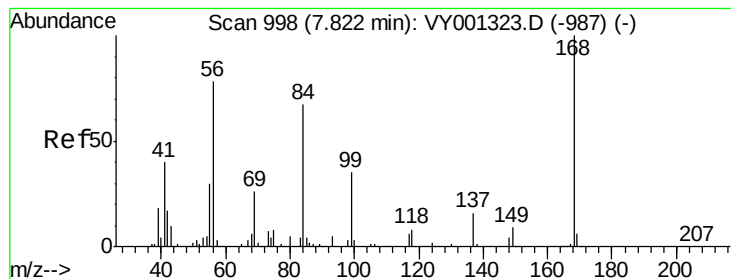
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

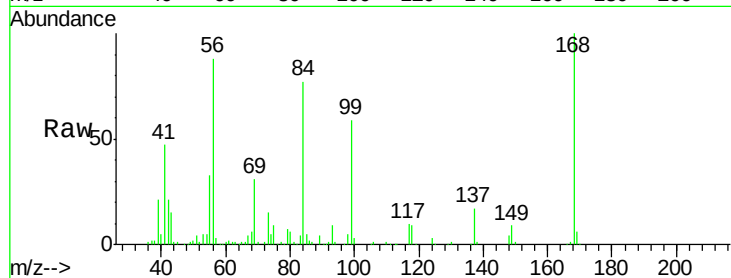
BFB

Tgt Ion:168 Resp: 185755

Ion Ratio Lower Upper

168 100

99 59.2 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001463.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001463.D (-949) (-)

7.82

80000

60000

40000

20000

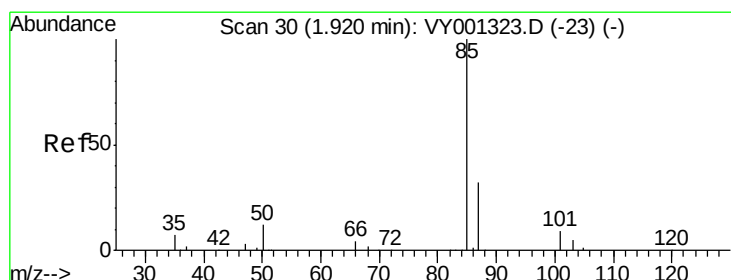
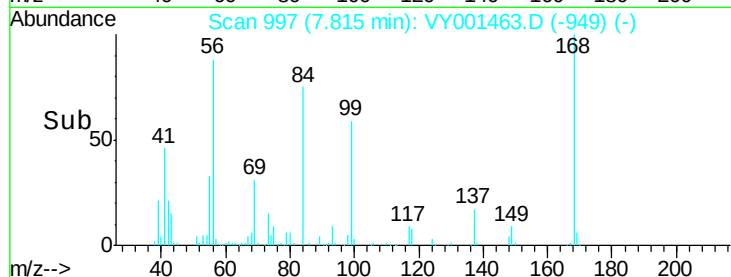
0

Time-->

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: 45.68 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001463.D

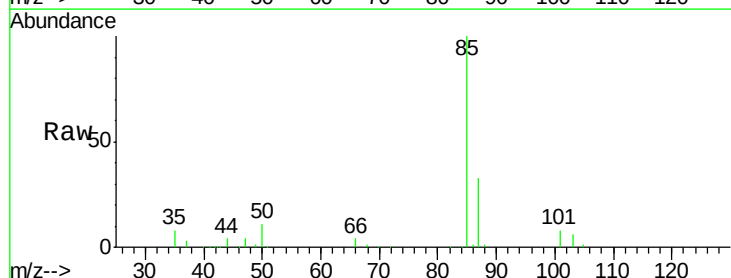
Acq: 03 Feb 2020 10:36

Tgt Ion: 85 Resp: 66915

Ion Ratio Lower Upper

85 100

87 33.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001463.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001463.D (-1) (-)

1.91

50000

40000

30000

20000

10000

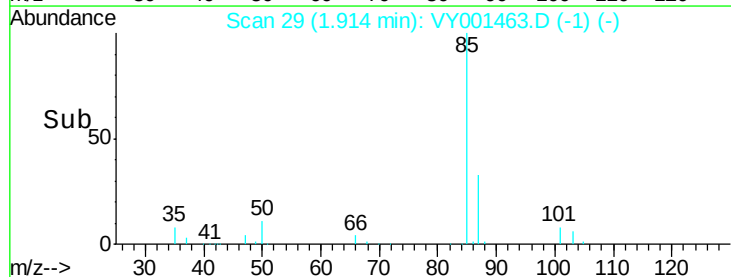
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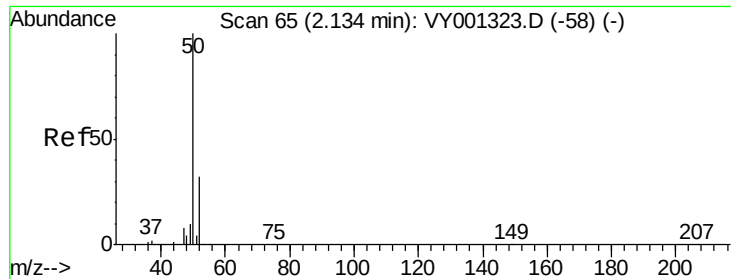
Time-->

1.80

1.90

2.00





#3

Chloromethane

Concen: 44.54 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

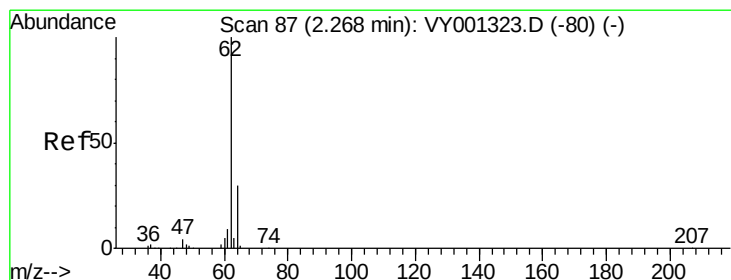
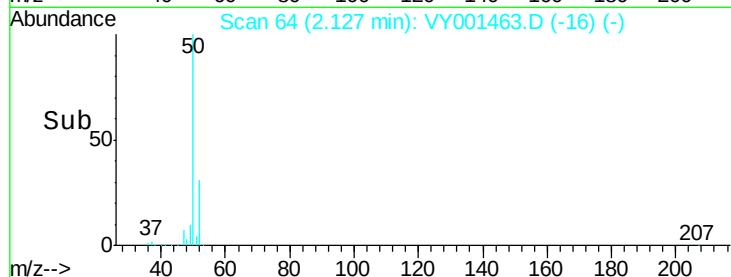
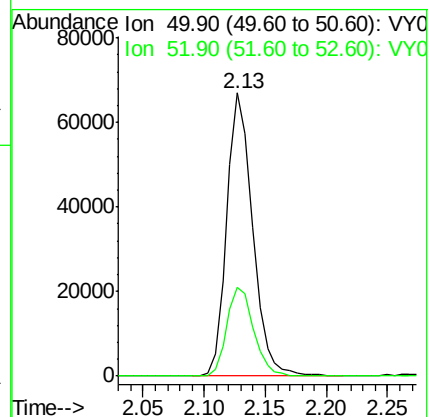
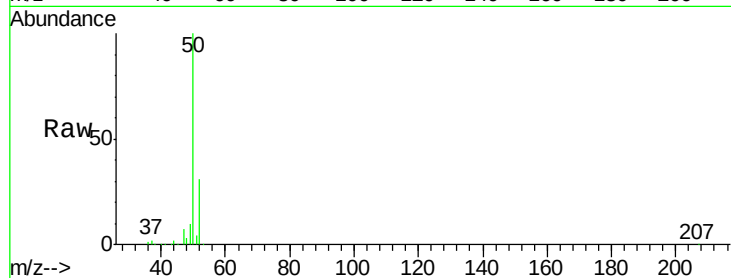
BFB

Tgt Ion: 50 Resp: 98622

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



#4

Vinyl Chloride

Concen: 45.09 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001463.D

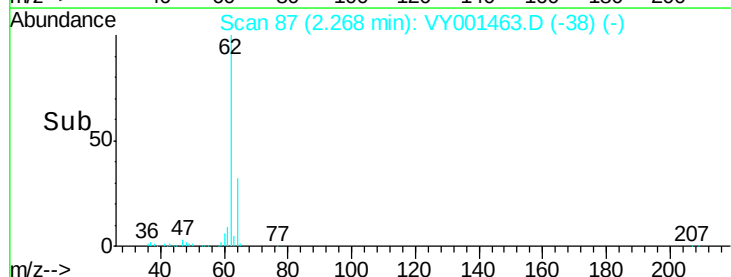
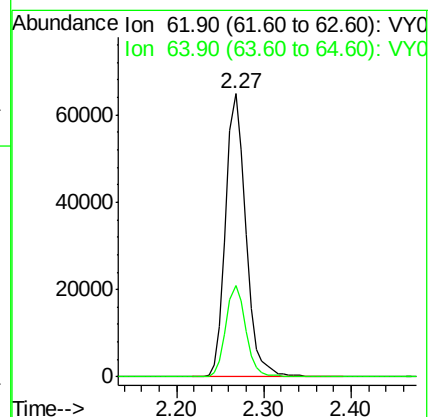
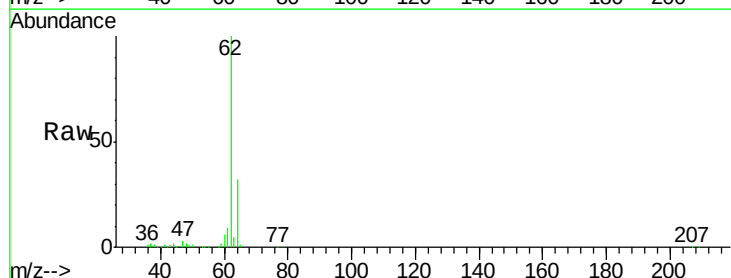
Acq: 03 Feb 2020 10:36

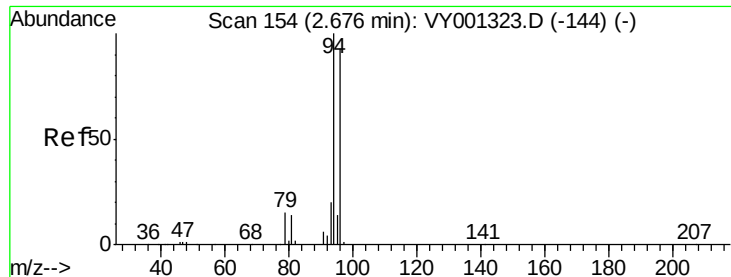
Tgt Ion: 62 Resp: 104082

Ion Ratio Lower Upper

62 100

64 32.3 23.9 35.9





#5

Bromomethane

Concen: 44.34 ug/l

RT: 2.67 min Scan# 153

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampled :

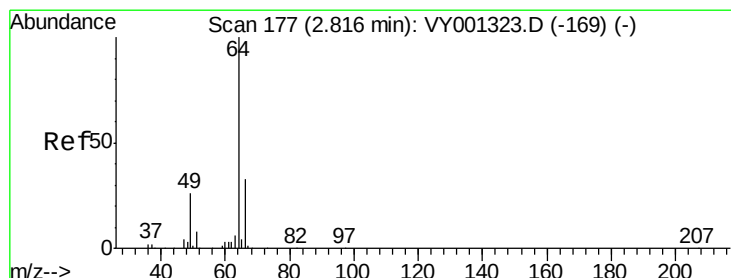
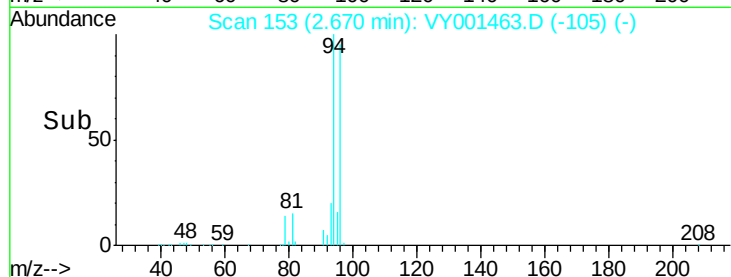
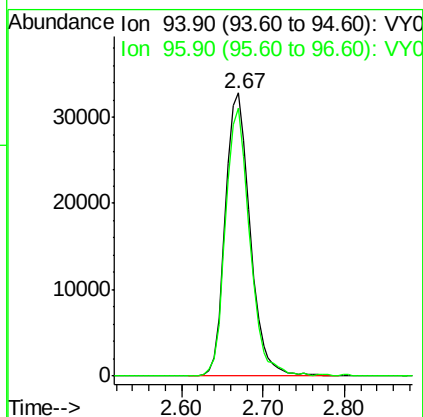
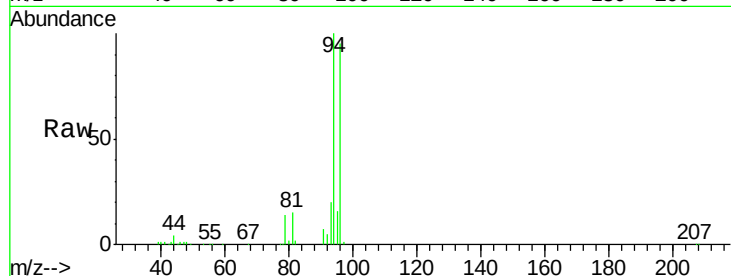
BFB

Tgt Ion: 94 Resp: 68931

Ion Ratio Lower Upper

94 100

96 94.5 74.6 111.8



#6

Chloroethane

Concen: 46.21 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001463.D

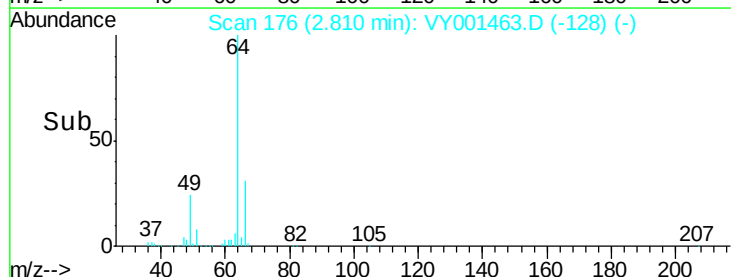
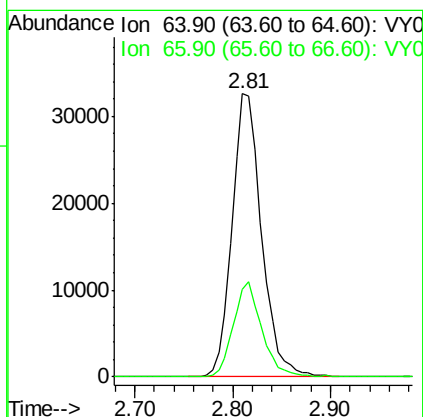
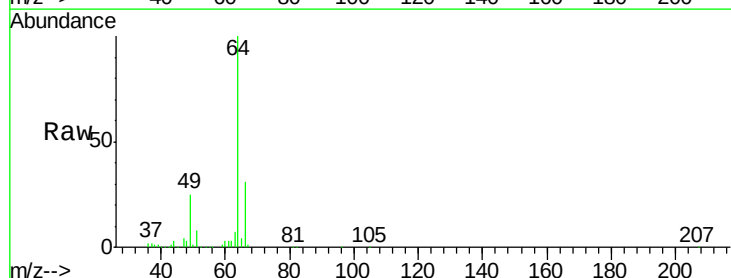
Acq: 03 Feb 2020 10:36

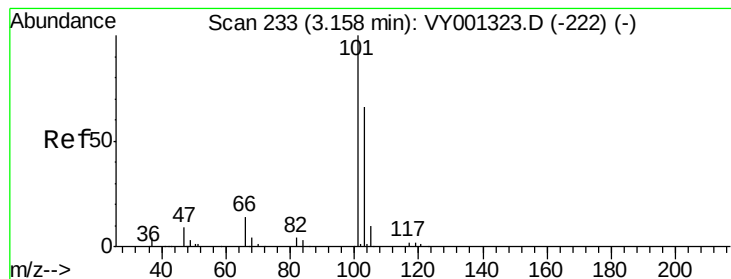
Tgt Ion: 64 Resp: 68162

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2



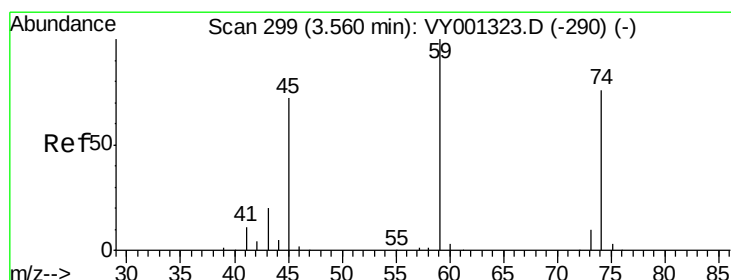
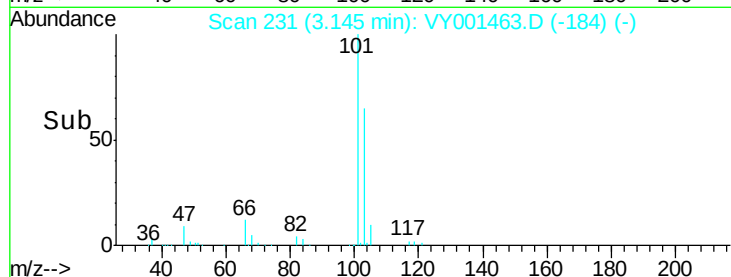
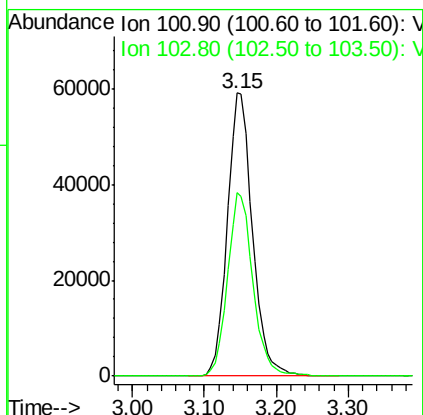
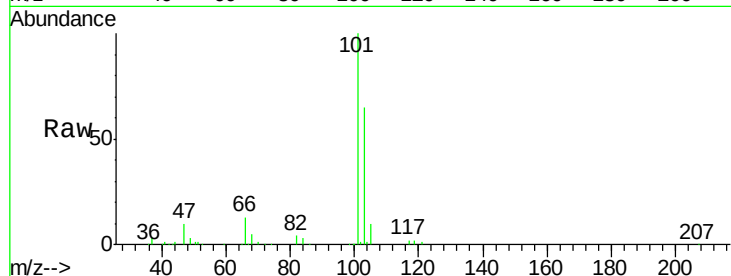


#7

Trichlorofluoromethane
 Concen: 48.63 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. -0.01 min
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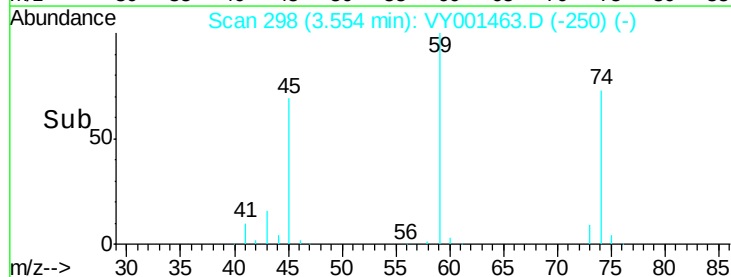
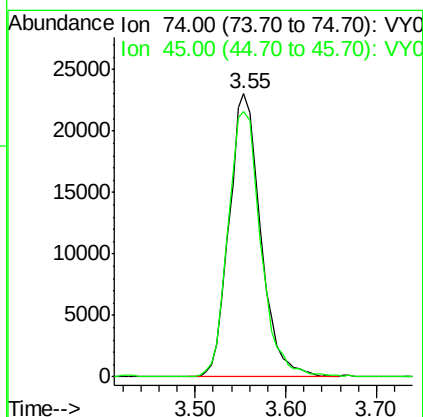
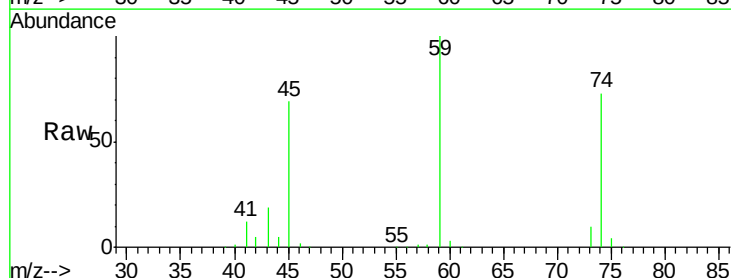
Tgt Ion: 101 Resp: 143640
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.5 78.7

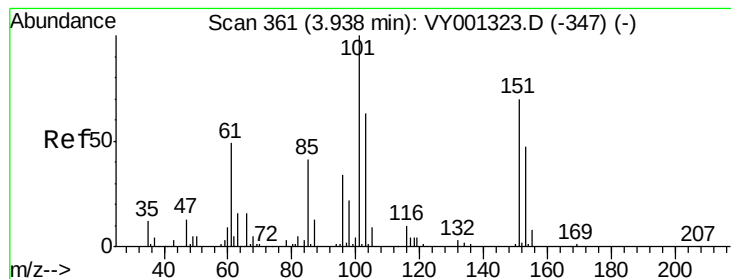


#8

Diethyl Ether
 Concen: 44.73 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. -0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 74 Resp: 55776
 Ion Ratio Lower Upper
 74 100
 45 97.6 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.21 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

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ClientSampleId :

BFB

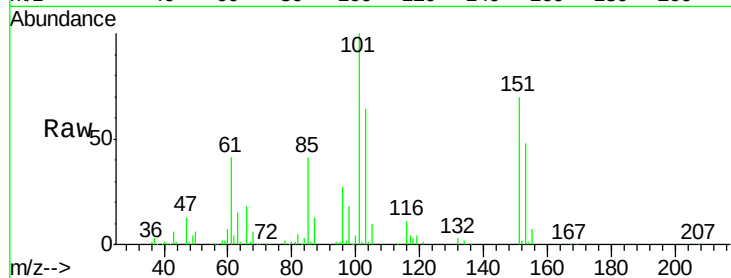
Tgt Ion:101 Resp: 94451

Ion Ratio Lower Upper

101 100

85 43.3 34.9 52.3

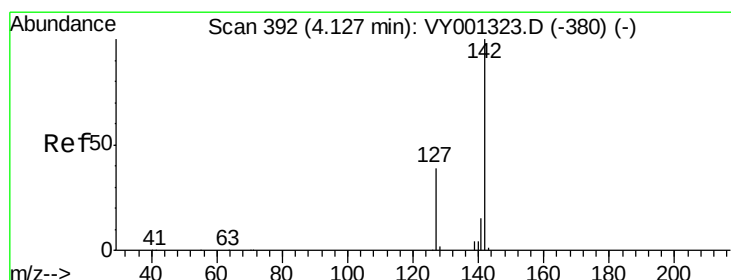
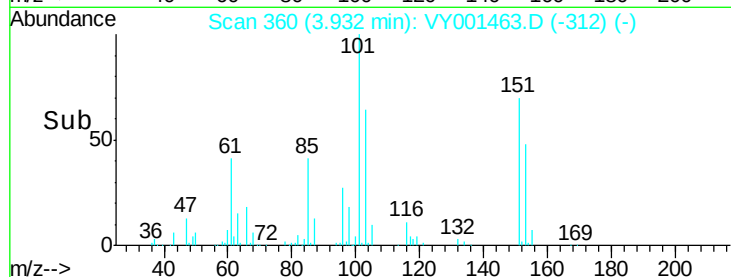
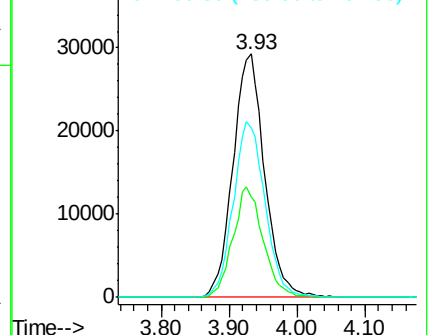
151 72.4 59.9 89.9



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: 44.88 ug/l

RT: 4.12 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

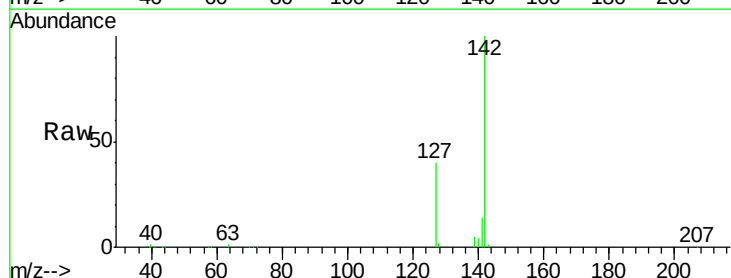
Tgt Ion:142 Resp: 111340

Ion Ratio Lower Upper

142 100

127 39.3 31.6 47.4

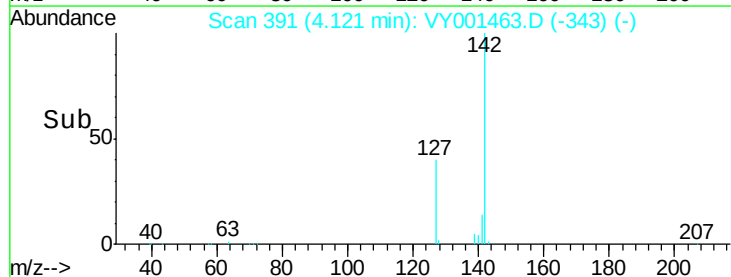
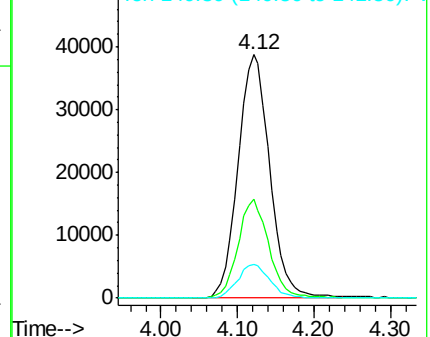
141 14.0 11.2 16.8

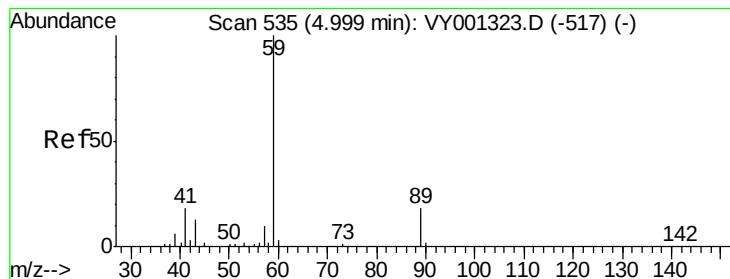


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 199.46 ug/l

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

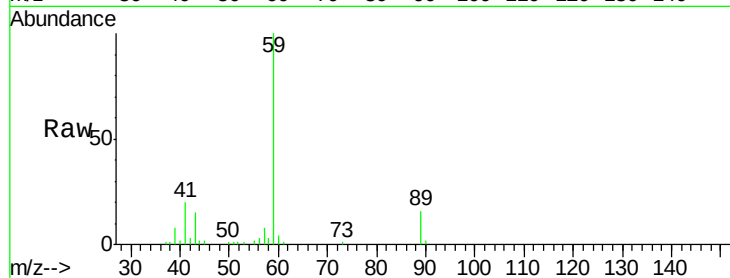
BFB

Tgt Ion: 59 Resp: 51681

Ion Ratio Lower Upper

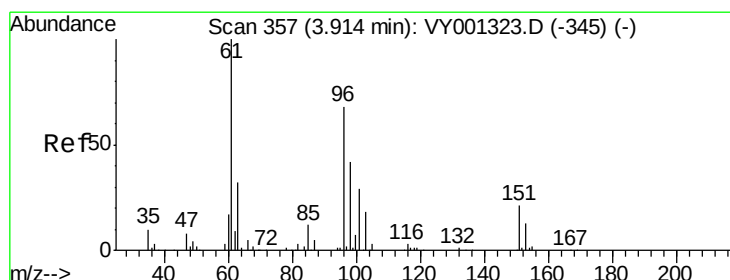
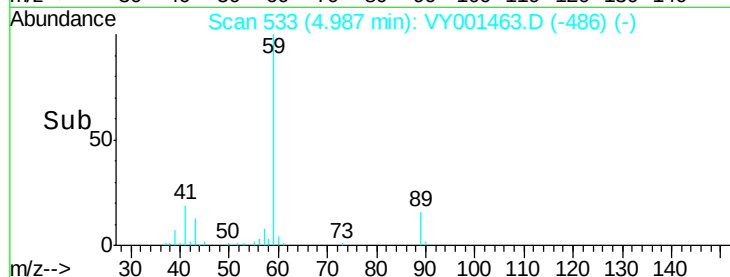
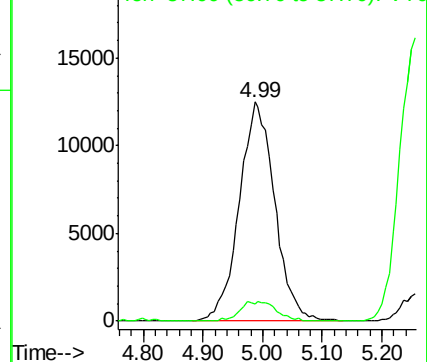
59 100

57 4.1 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 46.67 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

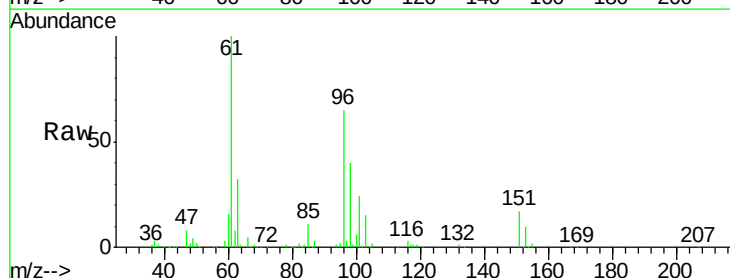
Tgt Ion: 96 Resp: 92035

Ion Ratio Lower Upper

96 100

61 154.6 118.0 177.0

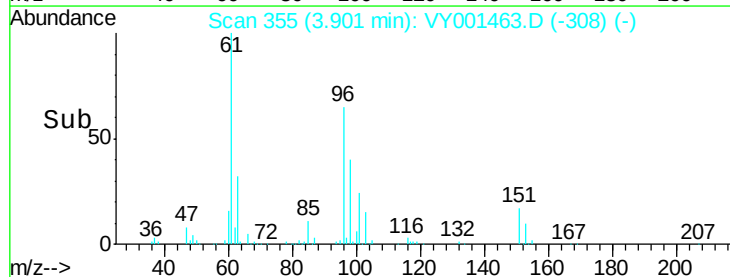
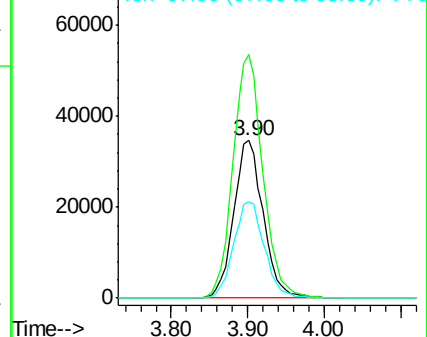
98 61.5 49.4 74.2

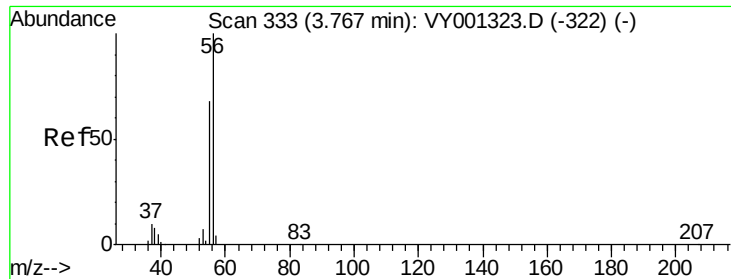


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

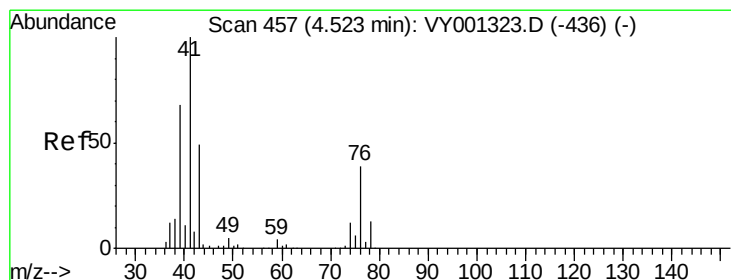
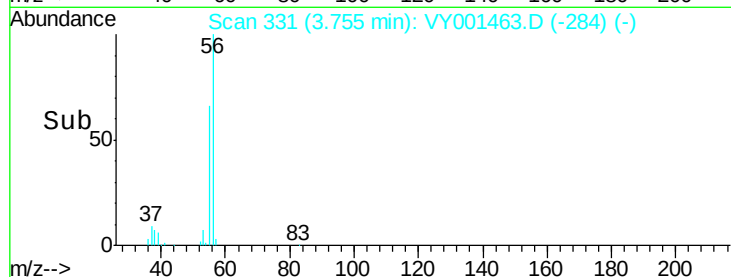
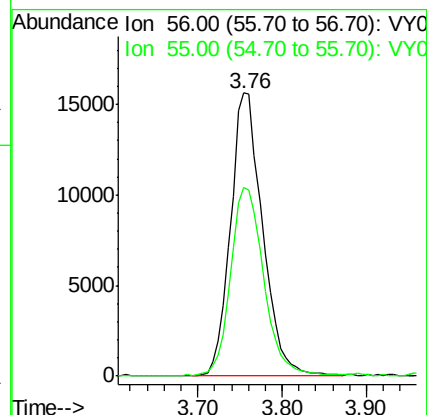
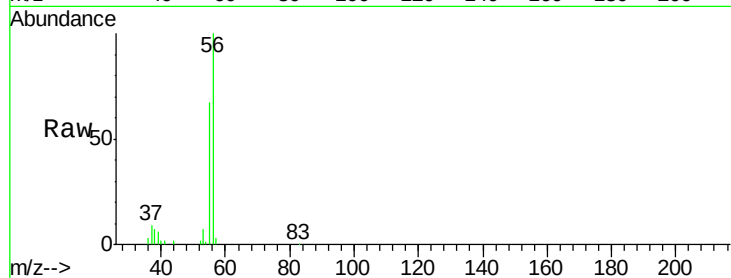




#13
 Acrolein
 Concen: 271.67 ug/l
 RT: 3.76 min Scan# 331
 Delta R.T. -0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

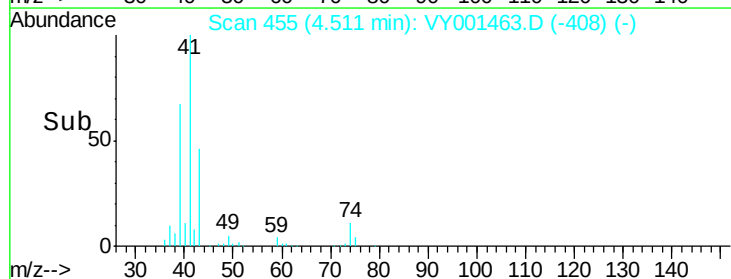
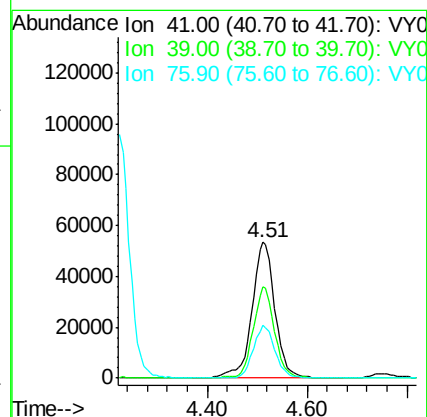
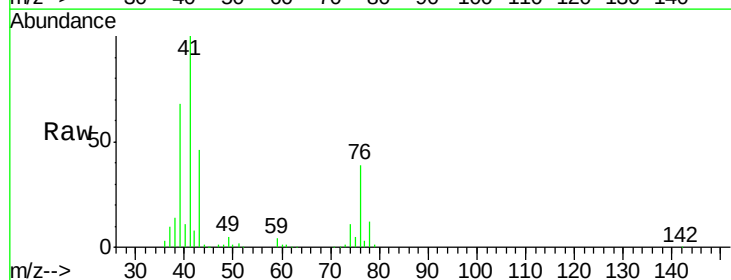
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

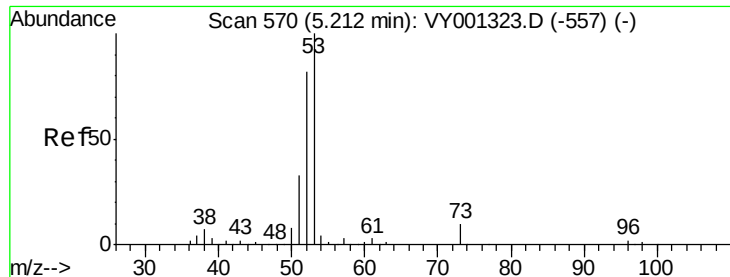
Tgt Ion: 56 Resp: 40560
 Ion Ratio Lower Upper
 56 100
 55 69.0 55.9 83.9



#14
 Allyl chloride
 Concen: 48.39 ug/l
 RT: 4.51 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 41 Resp: 170188
 Ion Ratio Lower Upper
 41 100
 39 62.8 52.2 78.4
 76 36.4 29.1 43.7

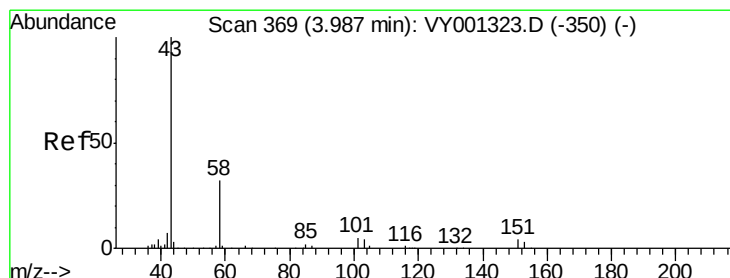
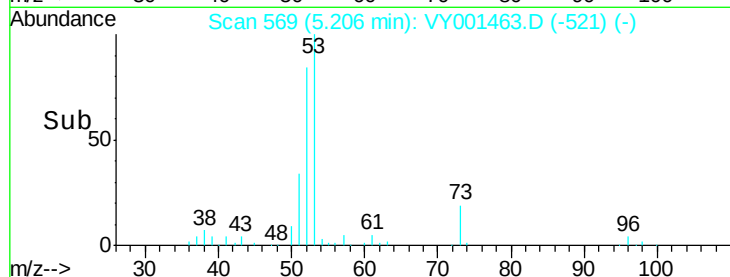
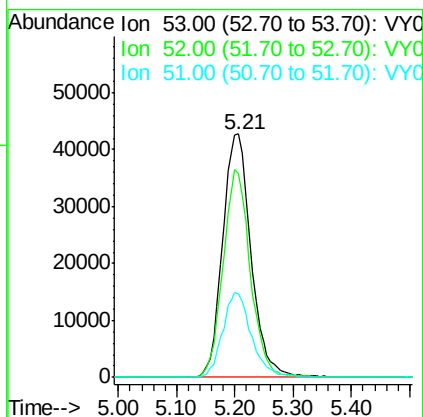
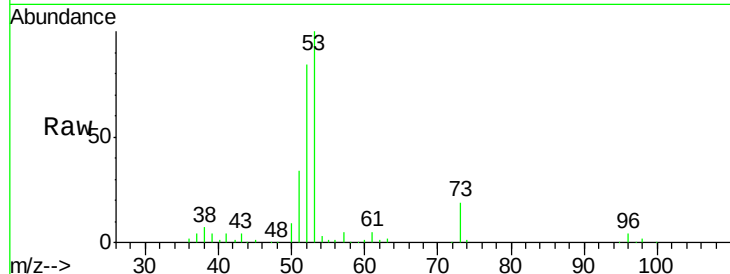




#15
 Acrylonitrile
 Concen: 226.41 ug/l
 RT: 5.21 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

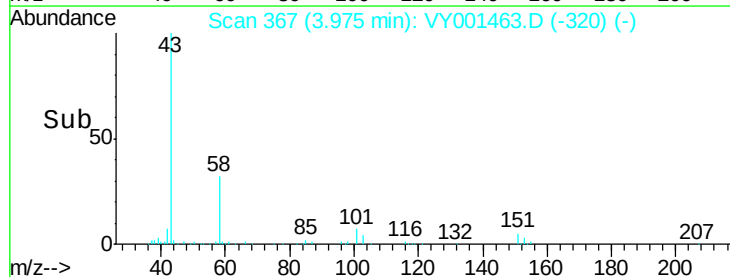
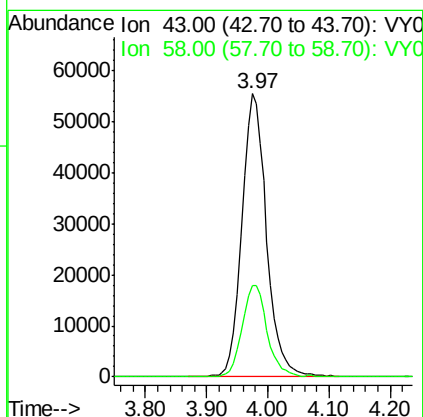
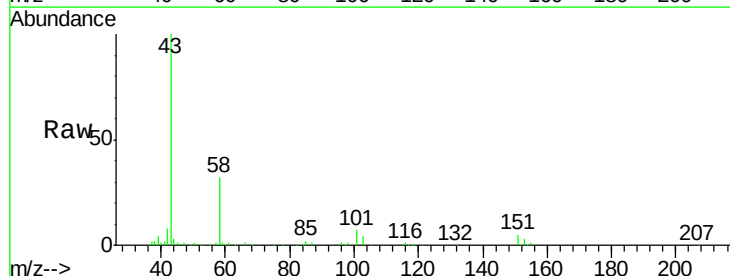
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

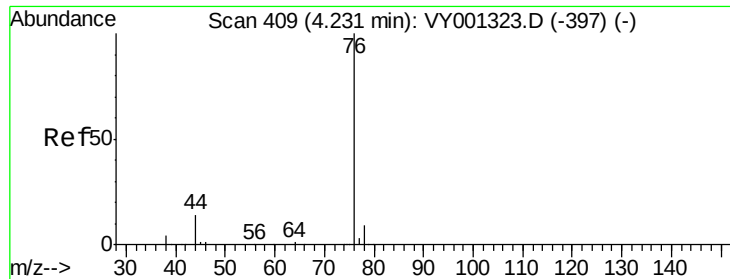
Tgt Ion: 53 Resp: 144508
 Ion Ratio Lower Upper
 53 100
 52 81.8 65.3 97.9
 51 35.1 28.4 42.6



#16
 Acetone
 Concen: 291.38 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 43 Resp: 154479
 Ion Ratio Lower Upper
 43 100
 58 32.2 25.4 38.0





#17

Carbon Disulfide

Concen: 42.95 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

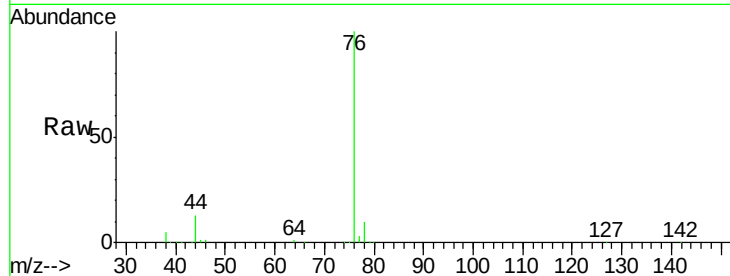
BFB

Tgt Ion: 76 Resp: 266439

Ion Ratio Lower Upper

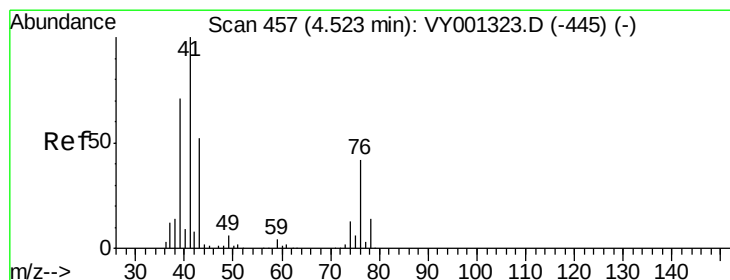
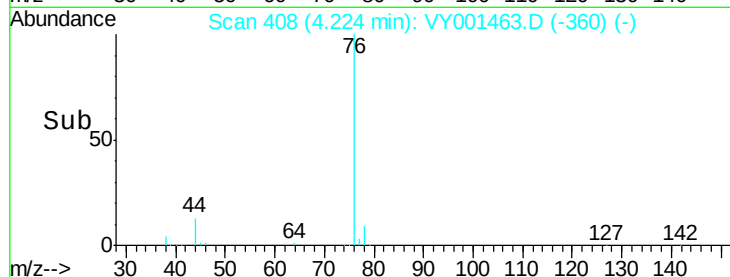
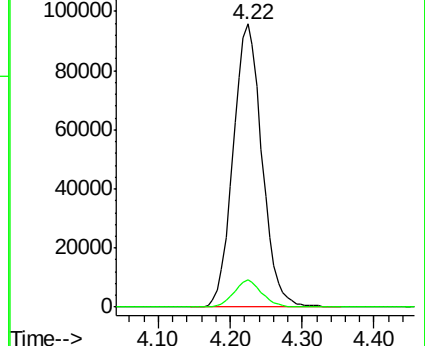
76 100

78 9.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 42.38 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001463.D

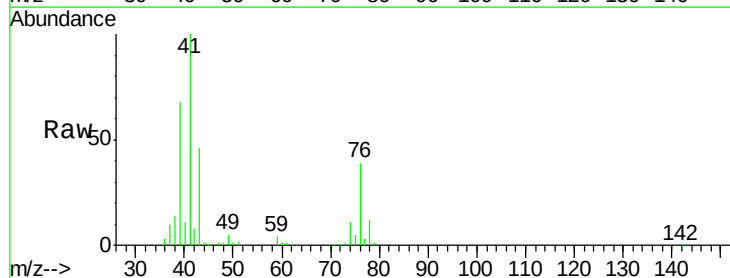
Acq: 03 Feb 2020 10:36

Tgt Ion: 43 Resp: 72238

Ion Ratio Lower Upper

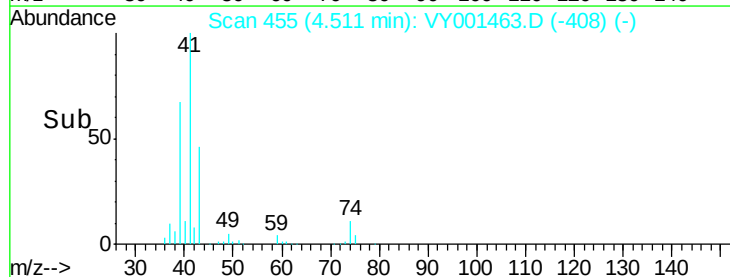
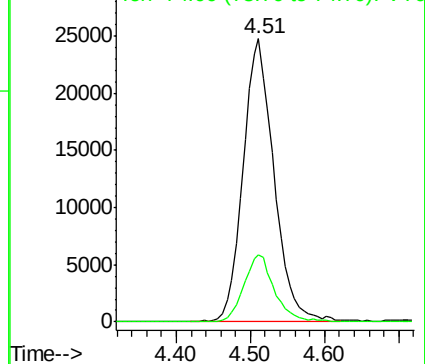
43 100

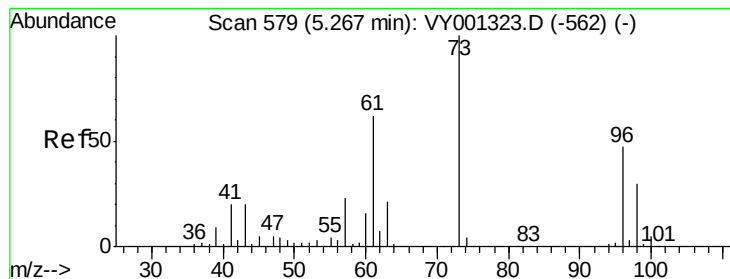
74 22.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

Methyl tert-butyl Ether

Concen: 45.67 ug/l

RT: 5.26 min Scan# 578

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

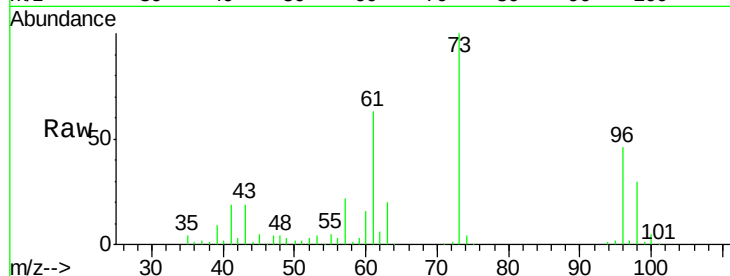
BFB

Tgt Ion: 73 Resp: 263737

Ion Ratio Lower Upper

73 100

57 22.3 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VY001323.D (-562) (-)

Ion 57.00 (56.70 to 57.70): VY001323.D (-562) (-)

5.26

80000

60000

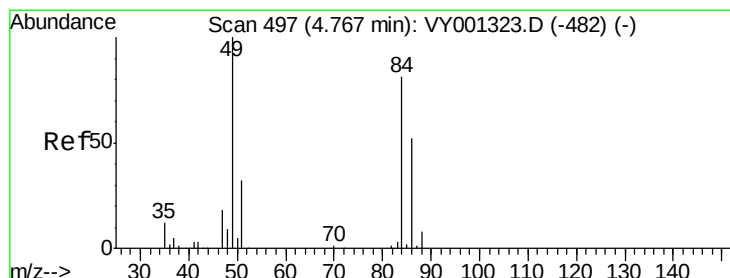
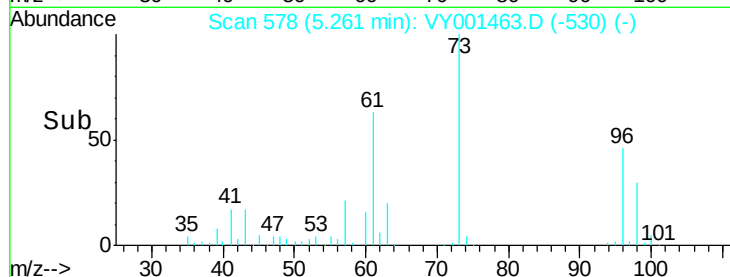
40000

20000

0

Time-->

5.10 5.20 5.30 5.40



#20

Methylene Chloride

Concen: 42.84 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.02 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion: 84 Resp: 108433

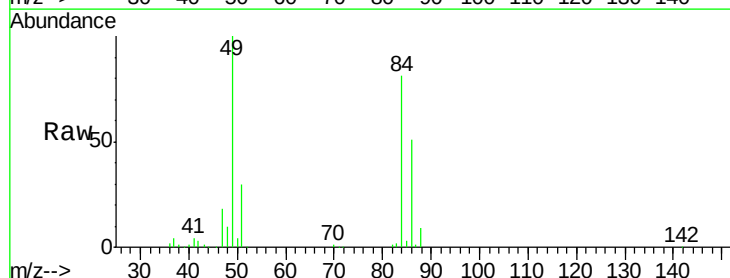
Ion Ratio Lower Upper

84 100

49 123.3 98.3 147.5

51 37.1 31.6 47.4

86 63.5 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VY001323.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VY001323.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VY001323.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VY001323.D (-482) (-)

60000

50000

40000

30000

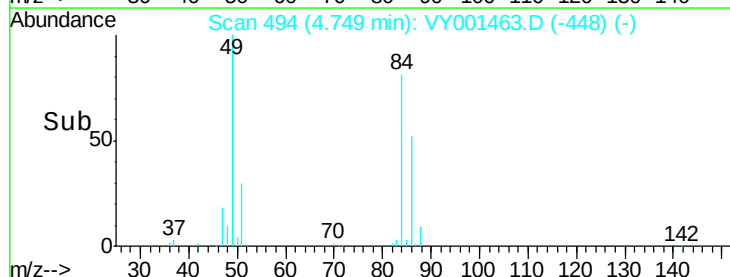
20000

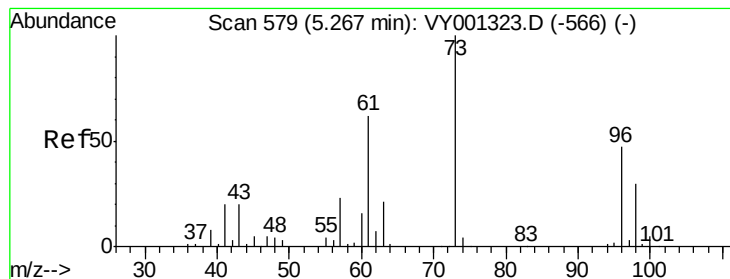
10000

0

Time-->

4.60 4.70 4.80 4.90





#21

trans-1,2-Dichloroethene

Concen: 46.05 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampled :

BFB

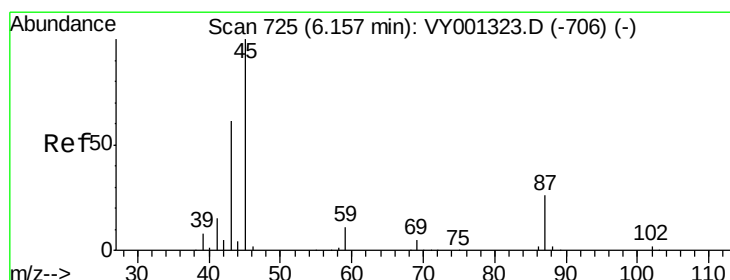
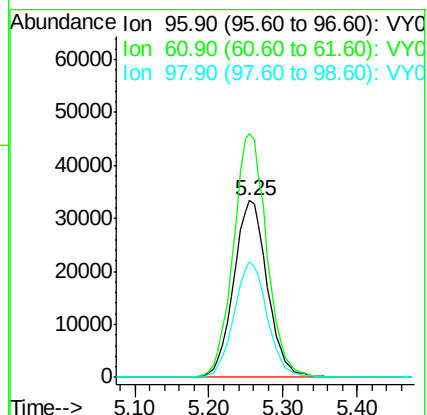
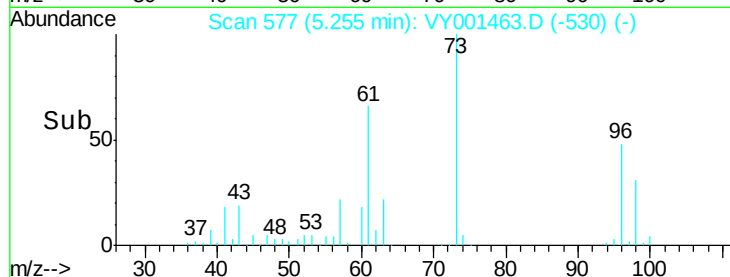
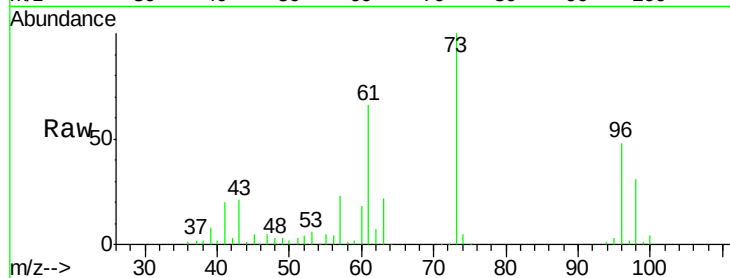
Tgt Ion: 96 Resp: 105487

Ion Ratio Lower Upper

96 100

61 137.8 106.8 160.2

98 65.7 51.0 76.6



#22

Diisopropyl ether

Concen: 47.94 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion: 45 Resp: 358045

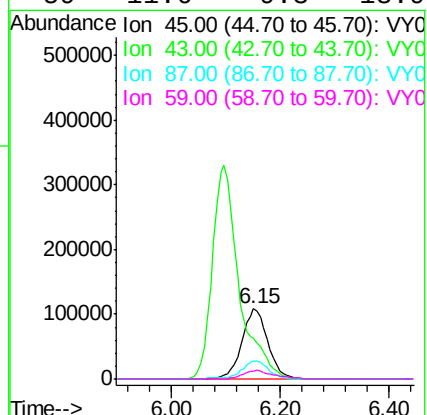
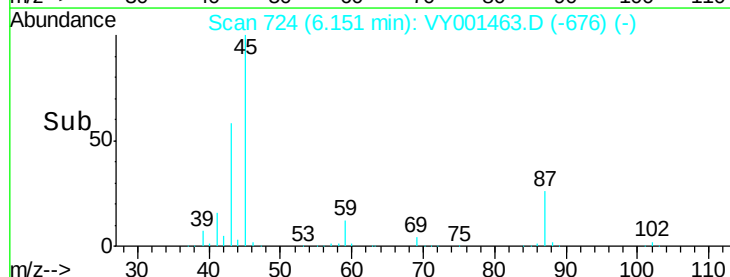
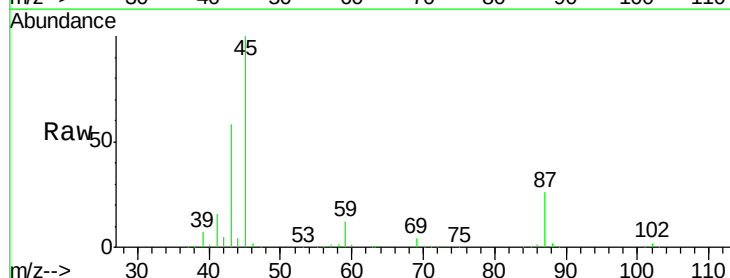
Ion Ratio Lower Upper

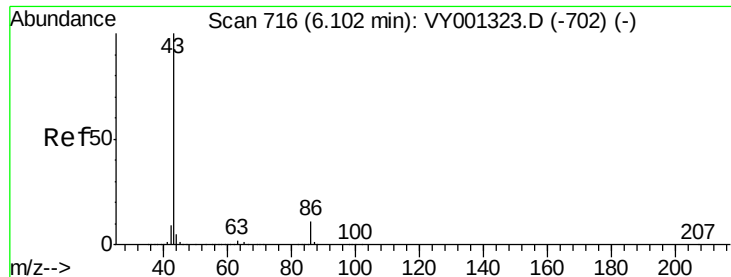
45 100

43 57.5 49.2 73.8

87 26.1 21.4 32.2

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 231.78 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

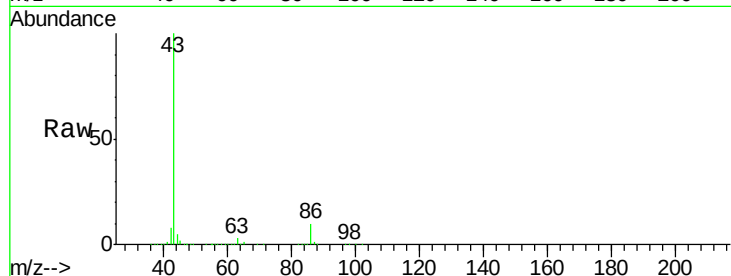
BFB

Tgt Ion: 43 Resp: 1123801

Ion Ratio Lower Upper

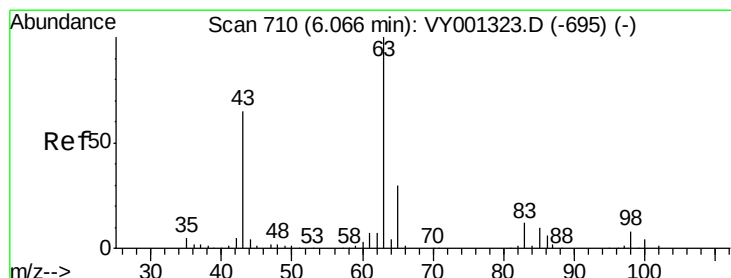
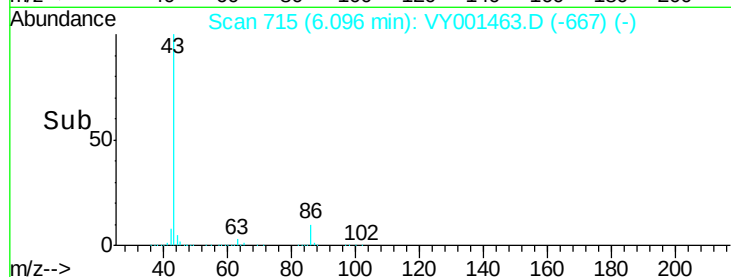
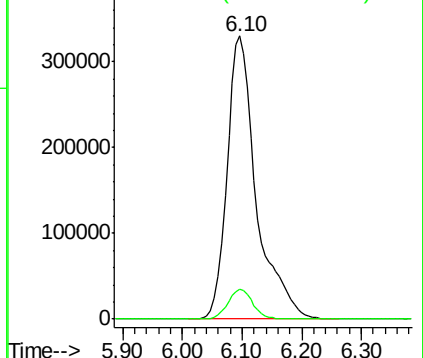
43 100

86 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.15 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

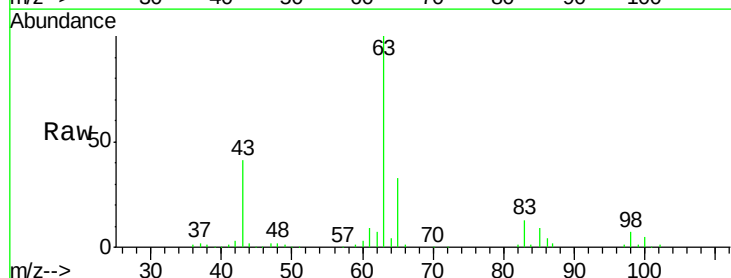
Tgt Ion: 63 Resp: 189555

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.0

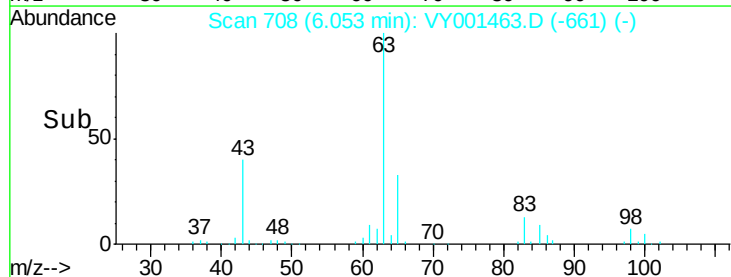
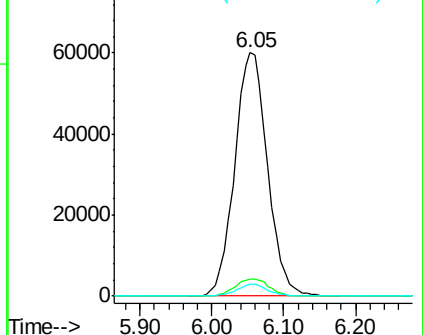
100 5.1 2.1 6.3

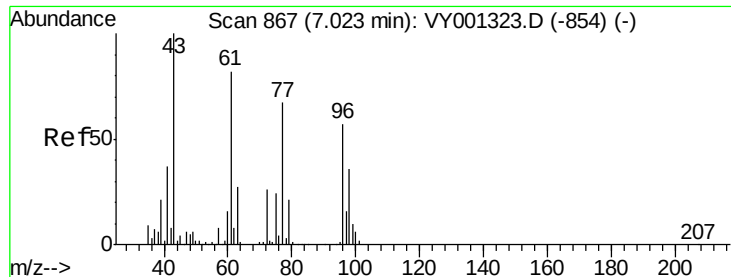


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 239.24 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

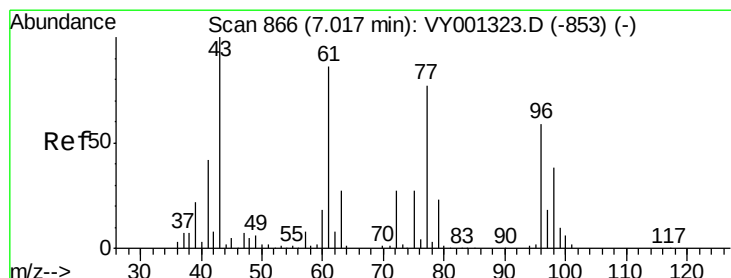
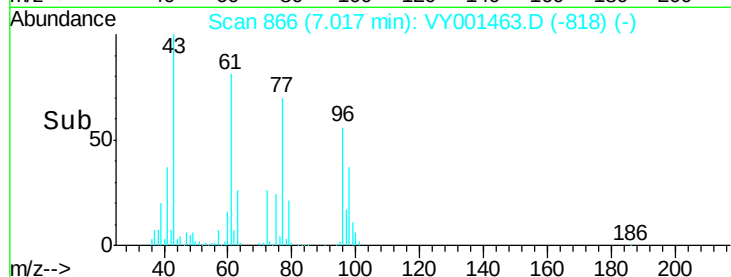
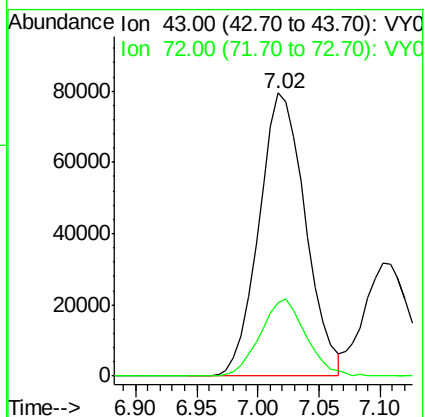
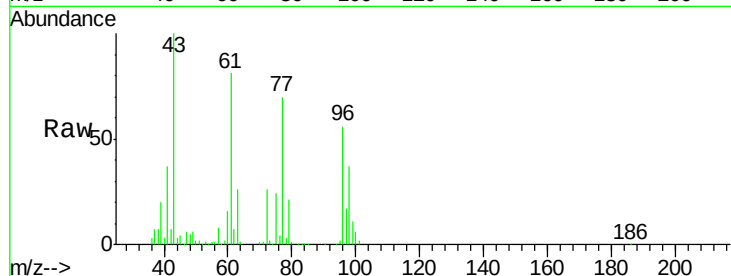
BFB

Tgt Ion: 43 Resp: 210478

Ion Ratio Lower Upper

43 100

72 26.2 20.6 31.0



#26

2,2-Dichloropropane

Concen: 48.15 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001463.D

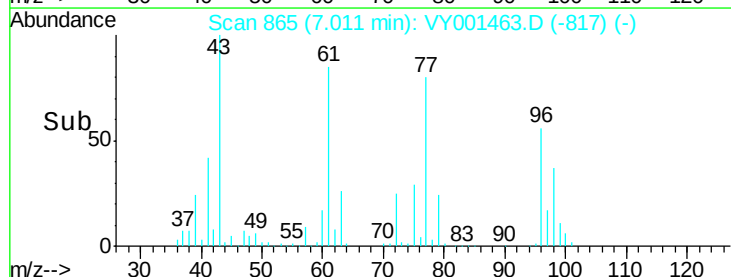
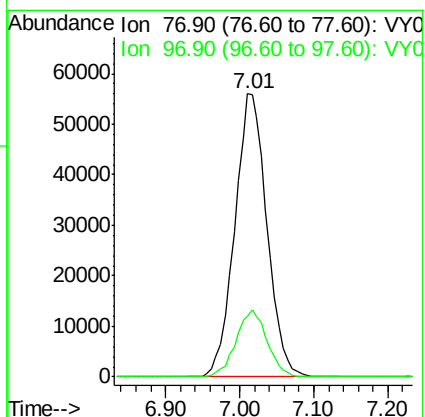
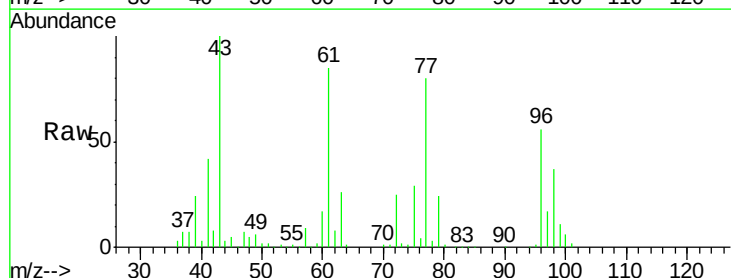
Acq: 03 Feb 2020 10:36

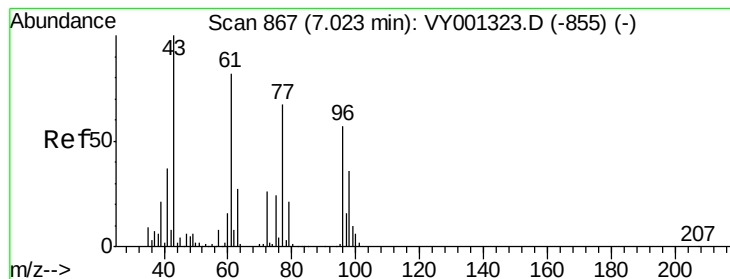
Tgt Ion: 77 Resp: 168838

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 47.32 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

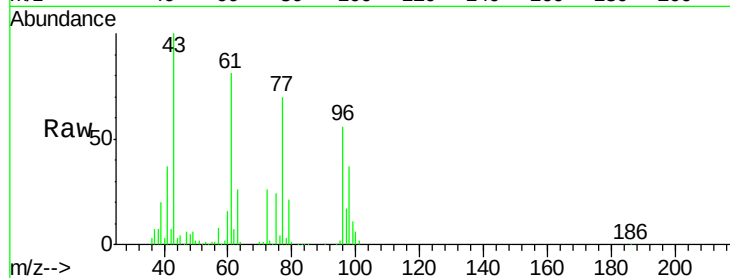
Tgt Ion: 96 Resp: 121150

Ion Ratio Lower Upper

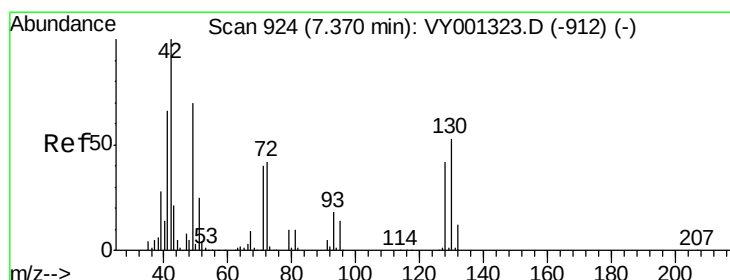
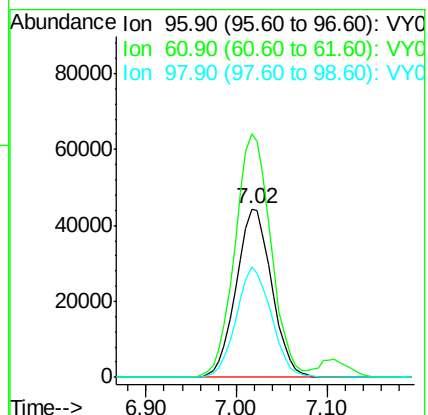
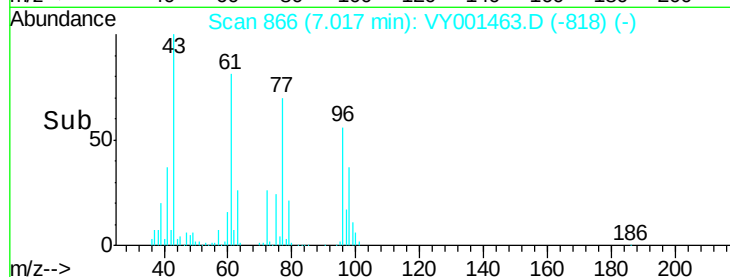
96 100

61 146.4 0.0 284.8

98 64.6 0.0 128.4



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: 57.93 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

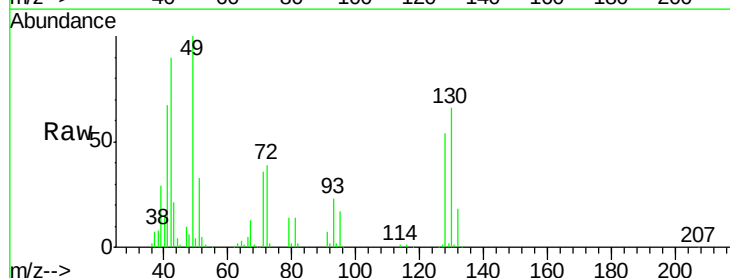
Tgt Ion: 49 Resp: 94040

Ion Ratio Lower Upper

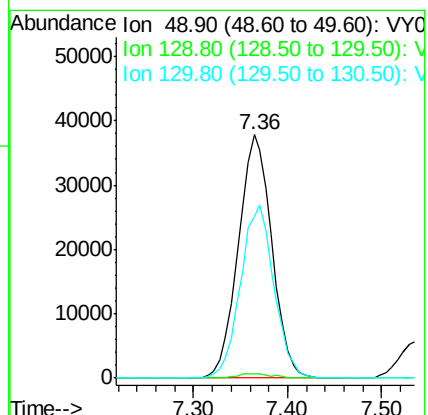
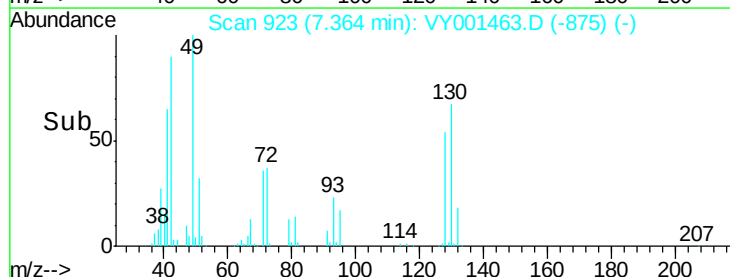
49 100

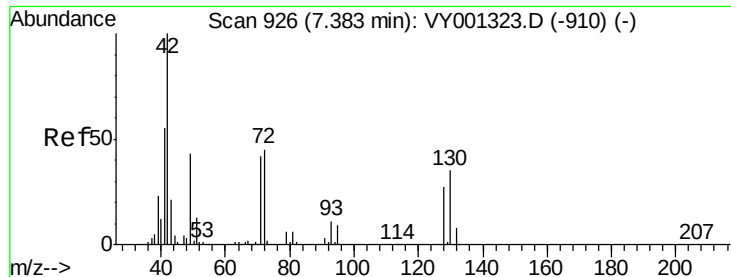
129 1.9 0.0 4.0

130 71.1 58.9 88.3



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

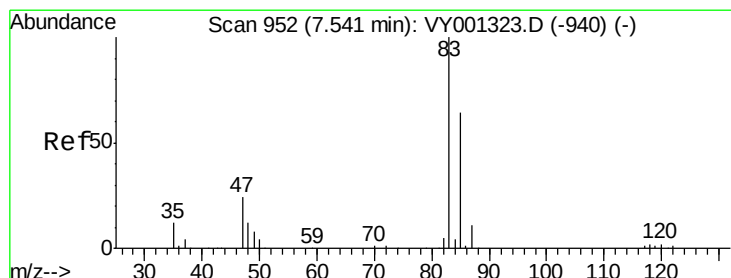
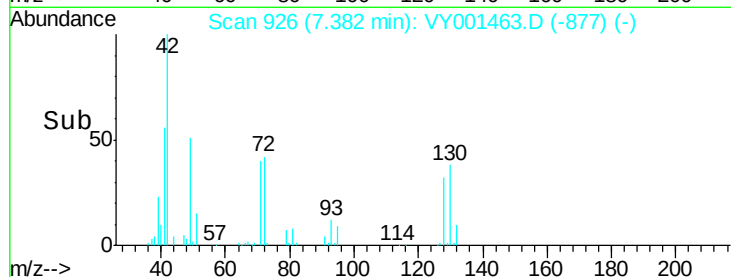
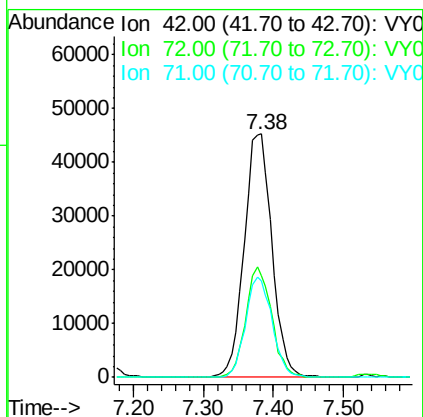
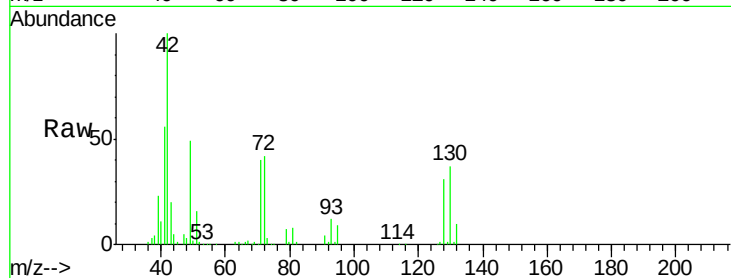




#29
Tetrahydrofuran
Concen: 218.34 ug/l
RT: 7.38 min Scan# 926
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

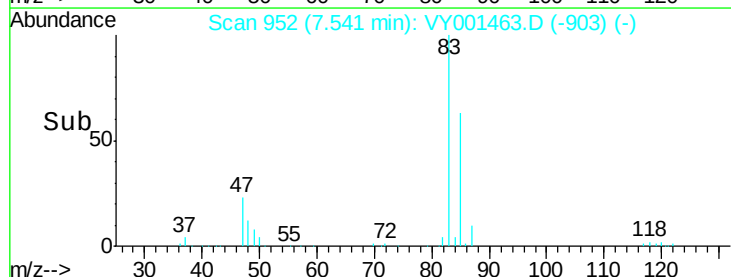
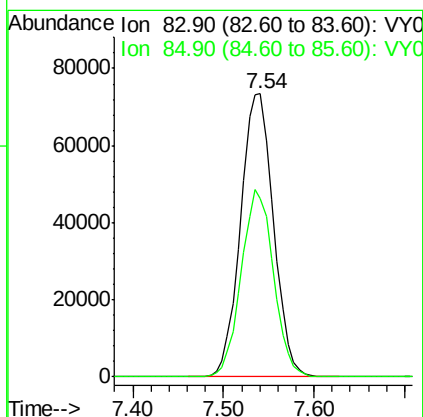
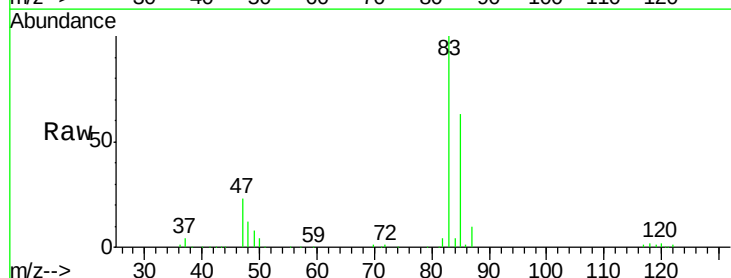
Instrument :
MSVOA_Y
ClientSampled :
BFB

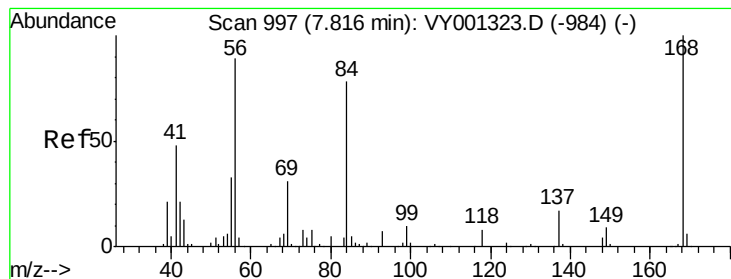
Tgt Ion: 42 Resp: 124971
Ion Ratio Lower Upper
42 100
72 42.3 34.6 51.8
71 39.2 32.6 48.8



#30
Chloroform
Concen: 47.80 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 83 Resp: 184457
Ion Ratio Lower Upper
83 100
85 63.0 51.5 77.3





#31

Cyclohexane

Concen: 46.57 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampled :

BFB

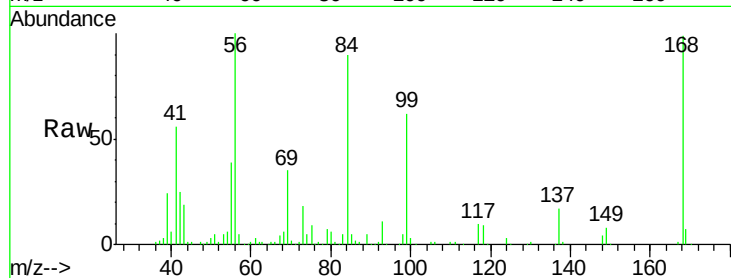
Tgt Ion: 56 Resp: 182006

Ion Ratio Lower Upper

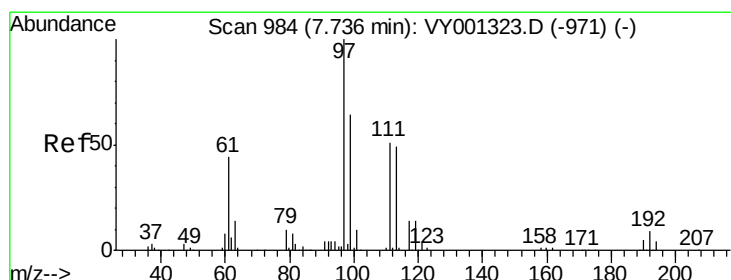
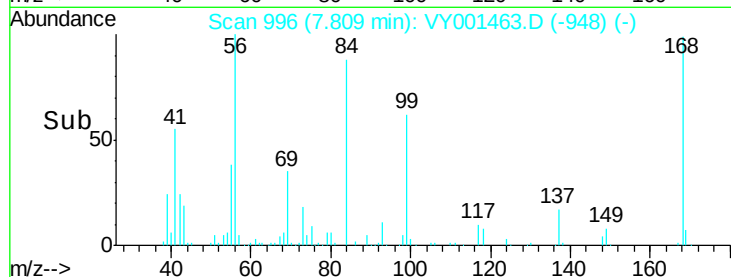
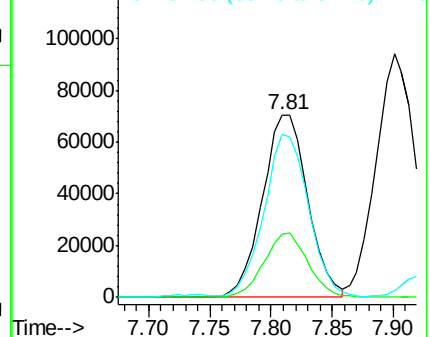
56 100

69 34.7 27.6 41.4

84 88.0 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 48.94 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

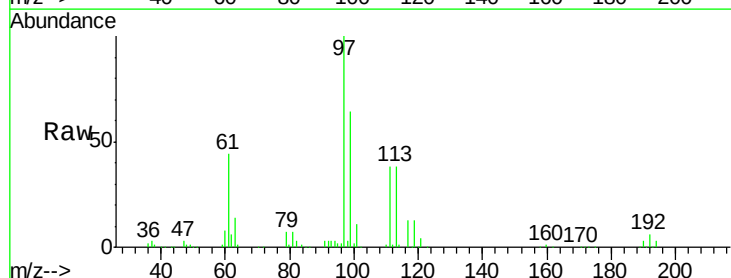
Tgt Ion: 97 Resp: 159463

Ion Ratio Lower Upper

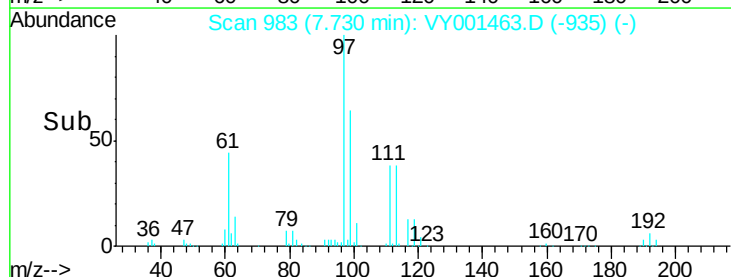
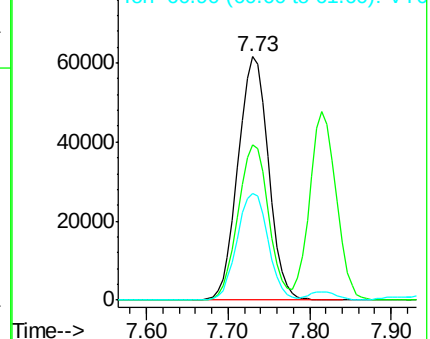
97 100

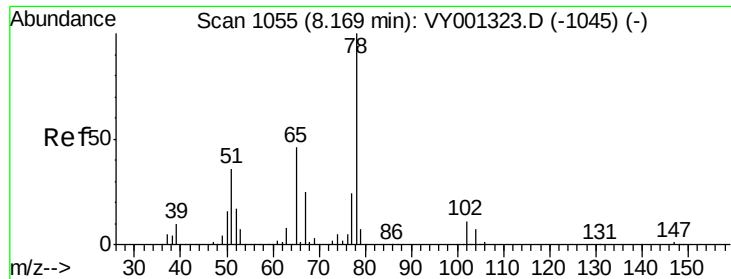
99 64.4 51.3 76.9

61 44.6 35.9 53.9



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

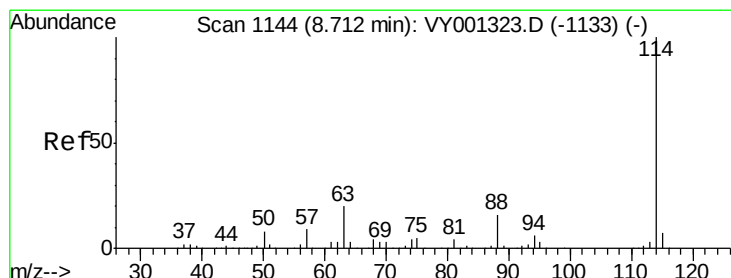
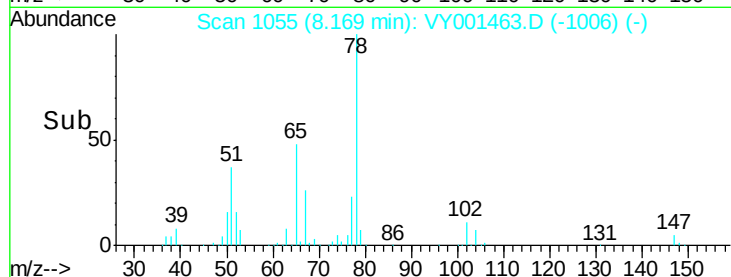
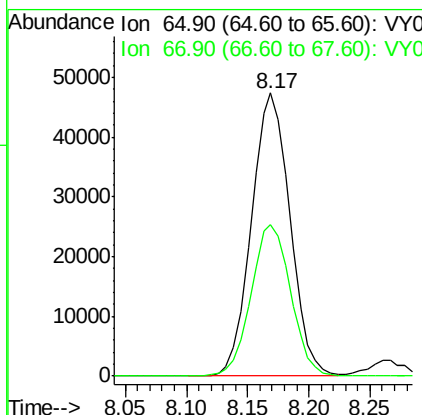
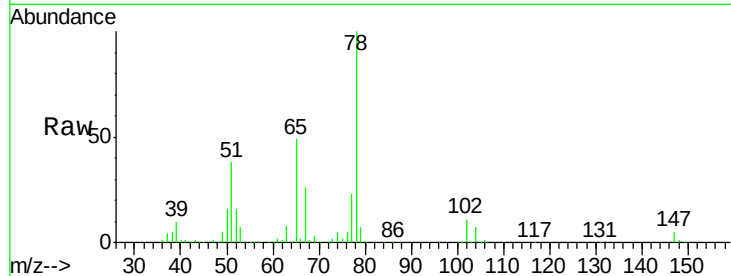




#33
 1,2-Dichloroethane-d4
 Concen: 51.43 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

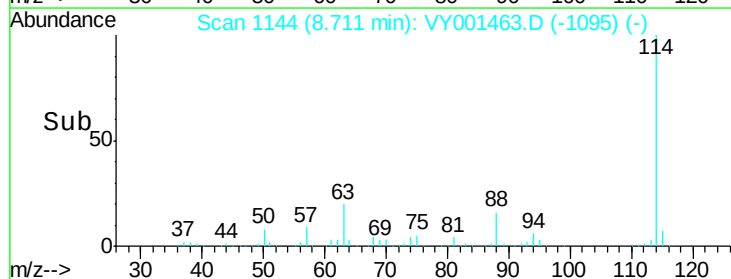
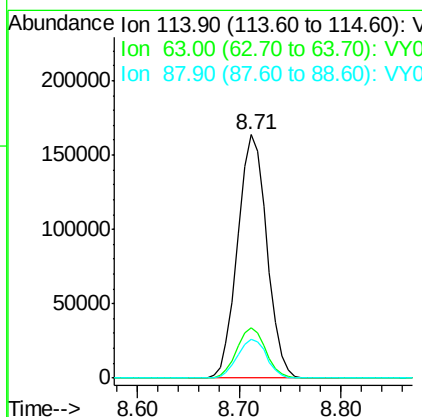
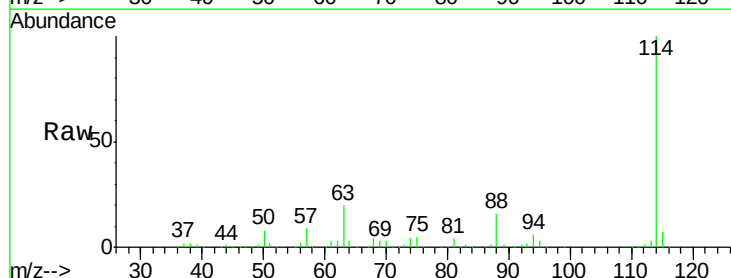
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

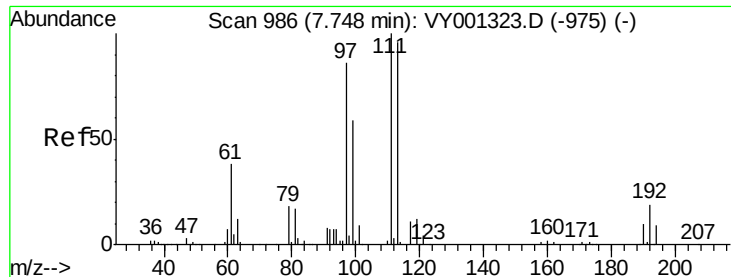
Tgt Ion: 65 Resp: 103950
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 114 Resp: 324087
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.2 0.0 31.0

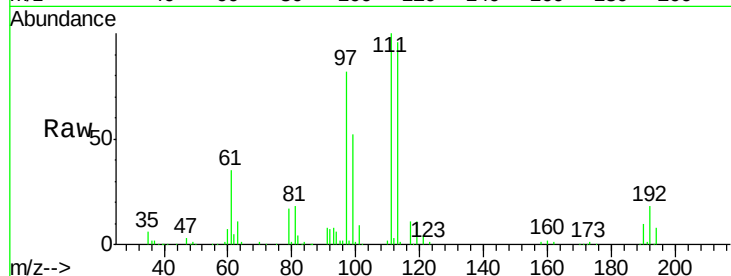




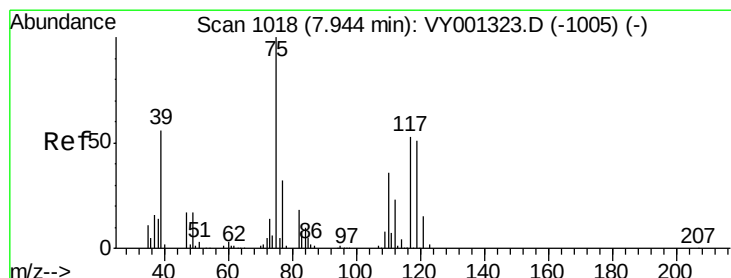
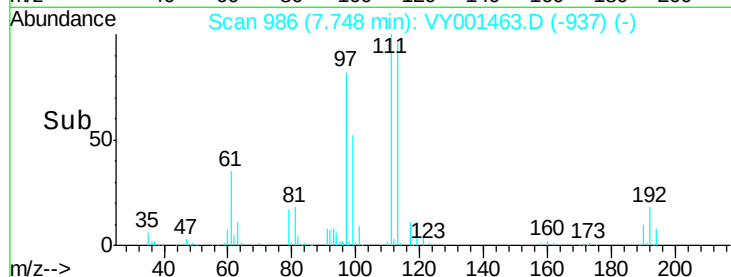
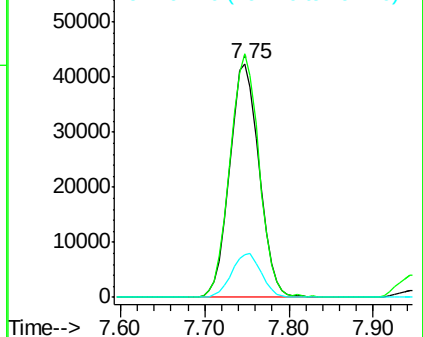
#35
 Dibromofluoromethane
 Concen: 52.98 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Tgt Ion: 113 Resp: 100770
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 18.6 15.5 23.3

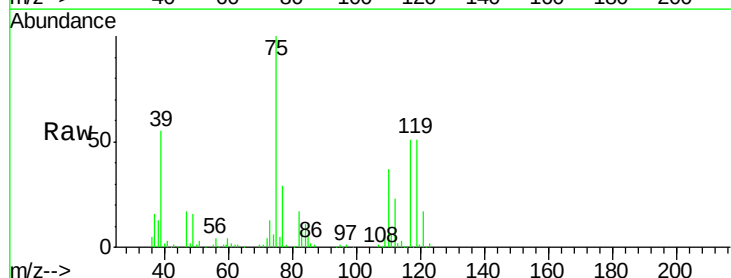


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

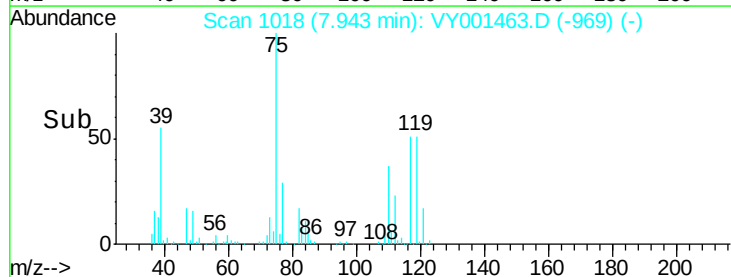
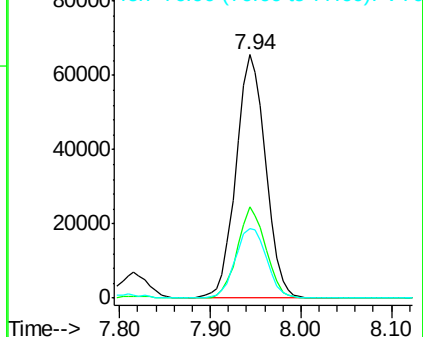


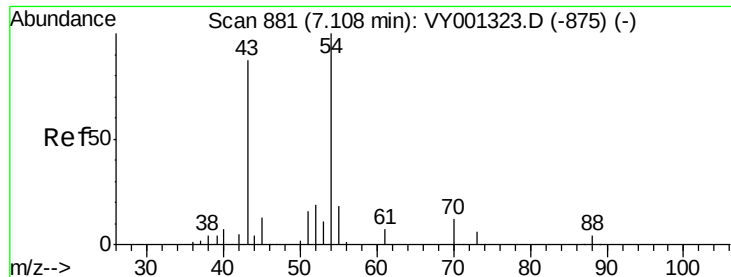
#36
 1,1-Dichloropropene
 Concen: 48.46 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 75 Resp: 148366
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.6 52.8
 77 30.5 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

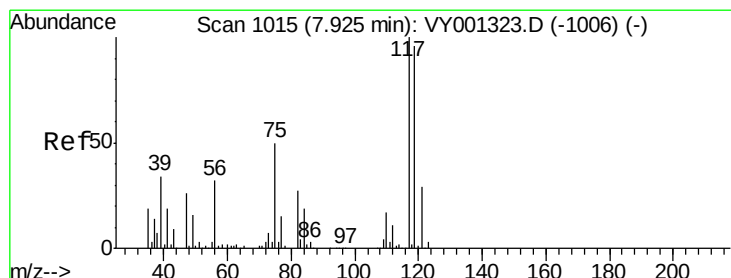
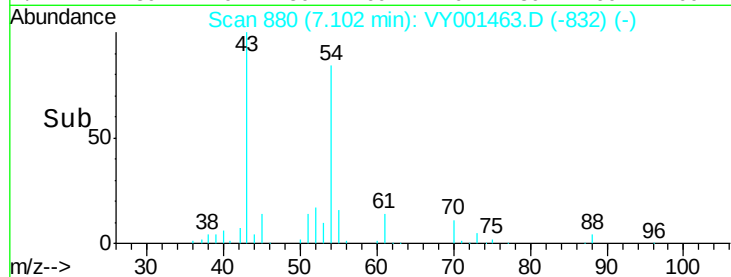
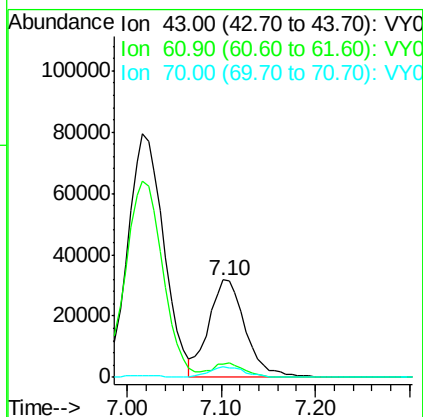
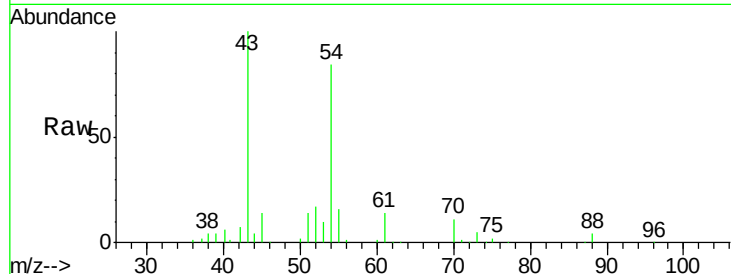




#37
Ethyl Acetate
Concen: 45.77 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

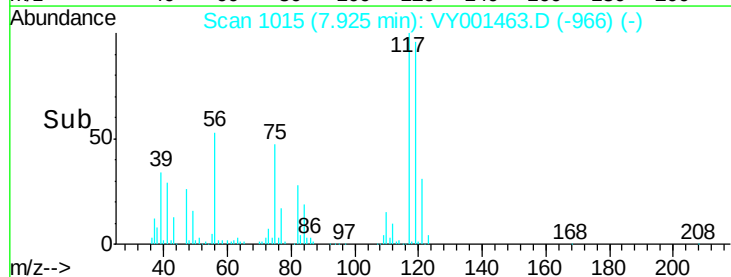
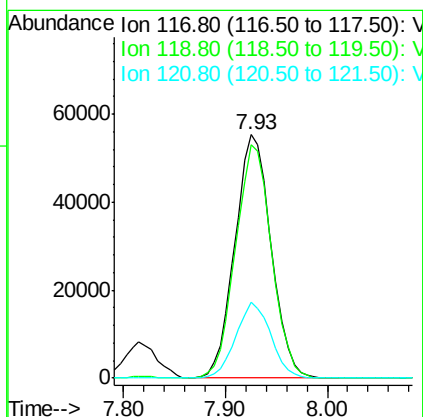
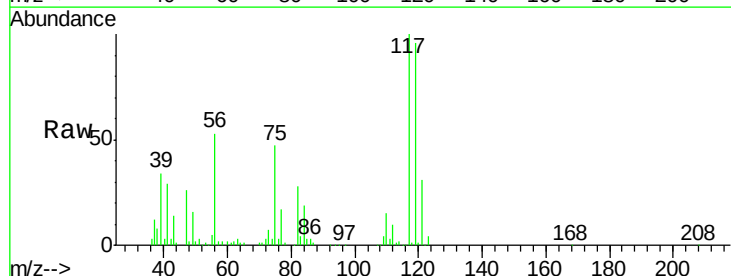
Instrument :
MSVOA_Y
ClientSampled :
BFB

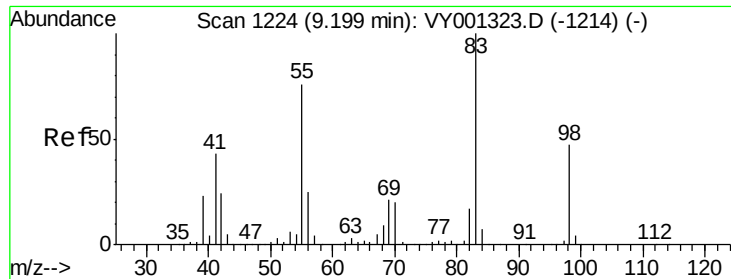
Tgt Ion: 43 Resp: 85624
Ion Ratio Lower Upper
43 100
61 13.3 11.3 16.9
70 10.4 8.7 13.1



#38
Carbon Tetrachloride
Concen: 50.05 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 117 Resp: 136580
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5
121 31.2 23.5 35.3

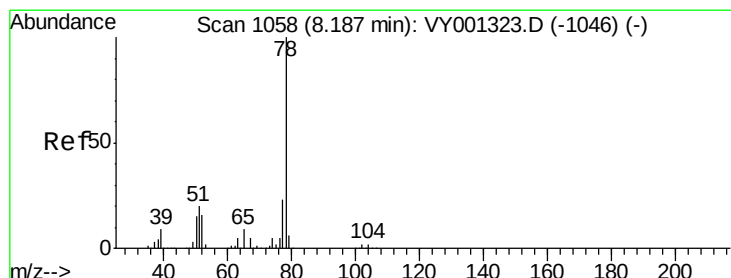
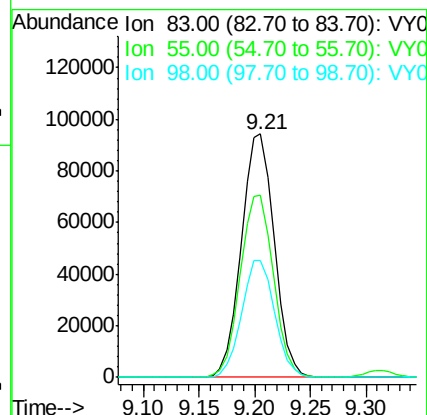
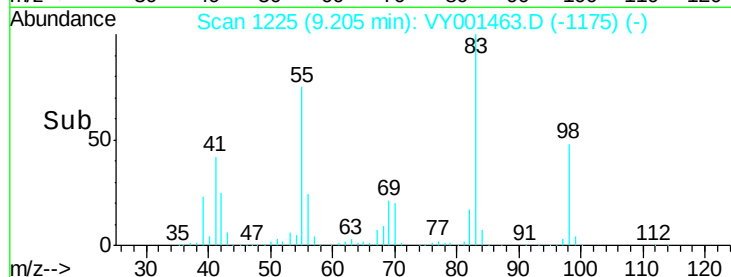
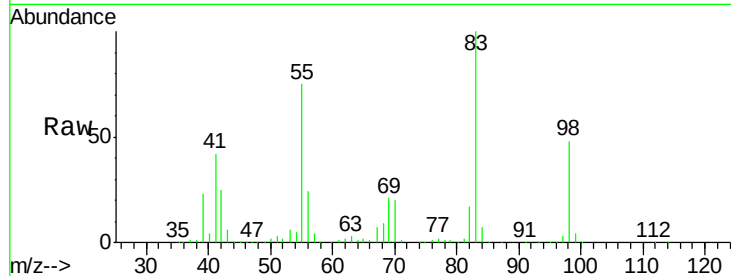




#39
Methylcyclohexane
Concen: 49.40 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

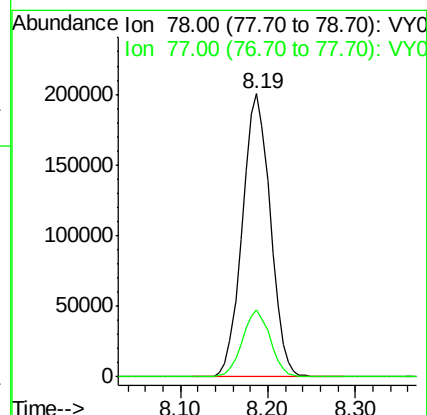
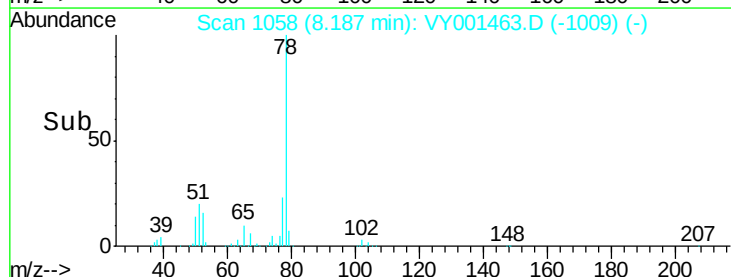
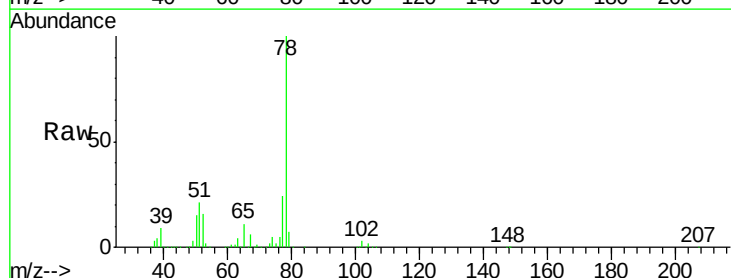
Instrument :
MSVOA_Y
ClientSampleId :
BFB

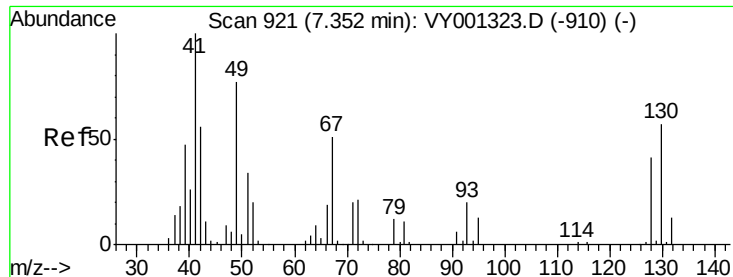
Tgt Ion: 83 Resp: 193758
Ion Ratio Lower Upper
83 100
55 74.9 60.7 91.1
98 47.8 37.8 56.8



#40
Benzene
Concen: 48.55 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 78 Resp: 445692
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

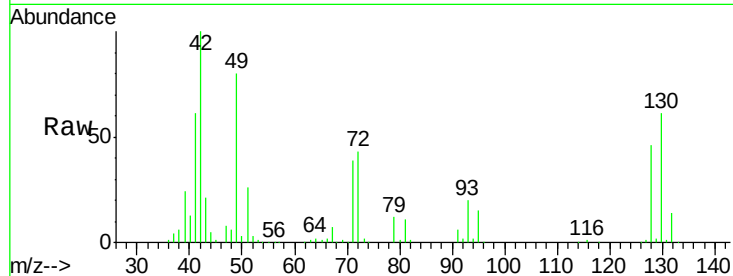




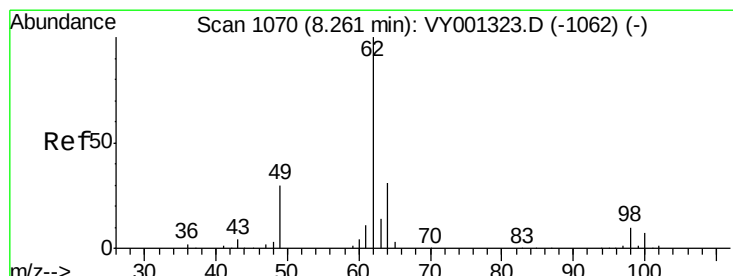
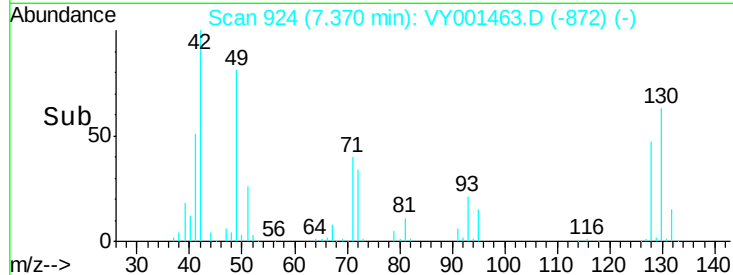
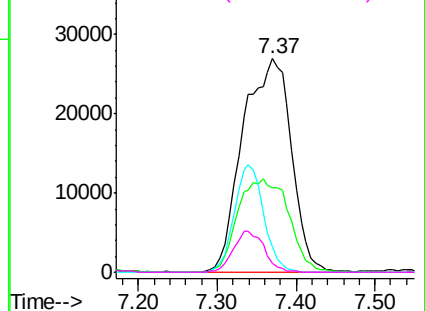
#41
Methacrylonitrile
Concen: 119.45 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampled :
BFB

Tgt Ion: 41 Resp: 115314
Ion Ratio Lower Upper
41 100
39 45.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

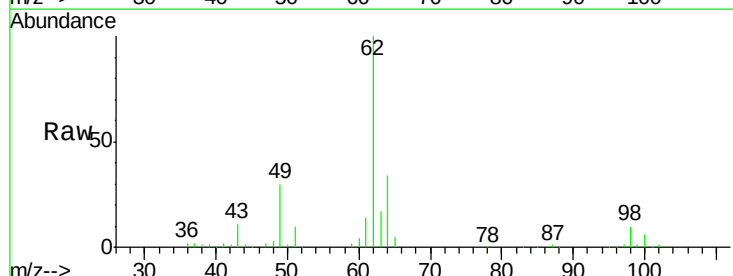


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

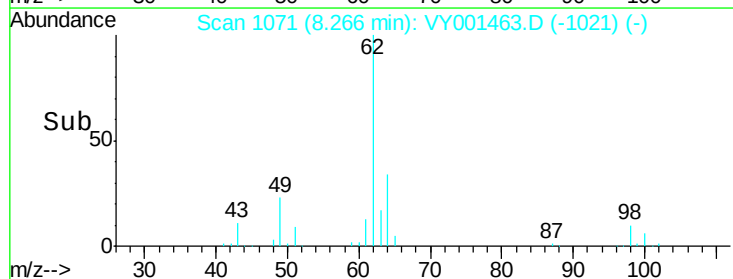
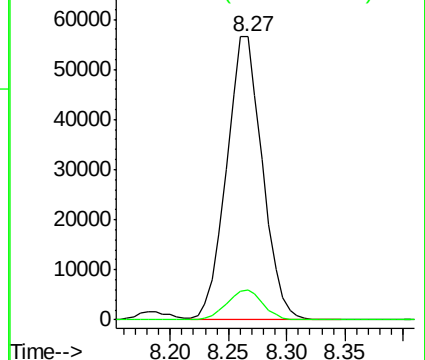


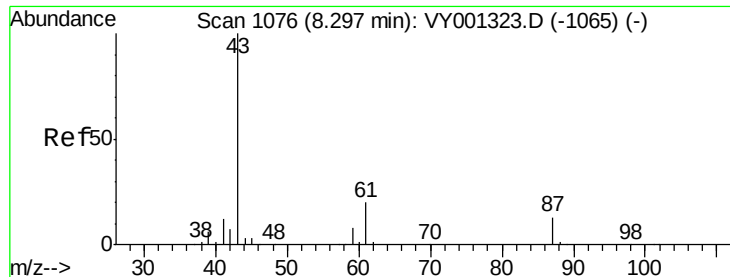
#42
1,2-Dichloroethane
Concen: 47.20 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 62 Resp: 121070
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 46.11 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

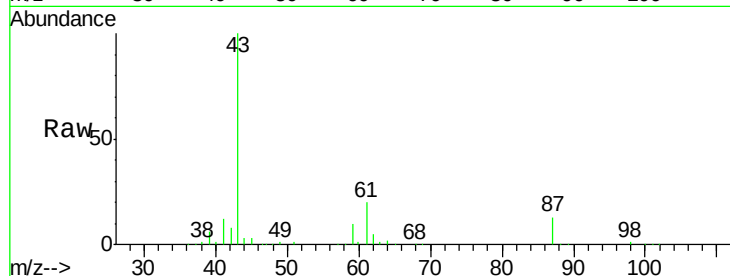
Tgt Ion: 43 Resp: 167726

Ion Ratio Lower Upper

43 100

61 29.0 22.7 34.1

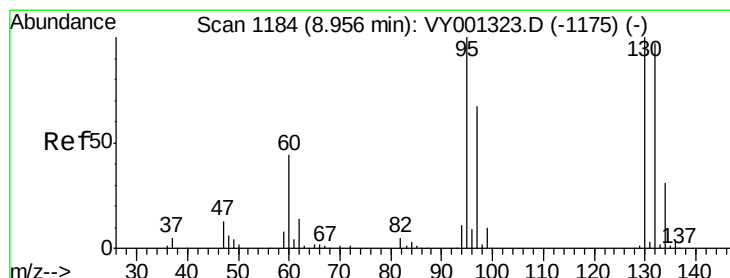
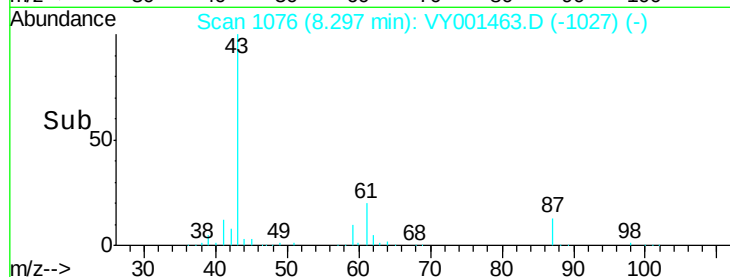
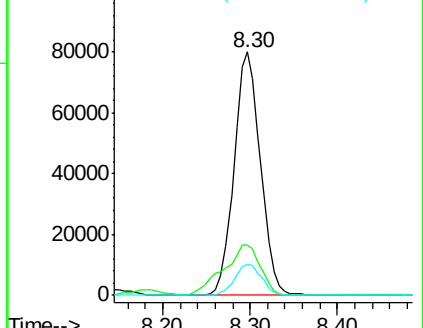
87 13.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY001463.D (-1076) (-)

Ion 61.00 (60.70 to 61.70): VY001463.D (-1076) (-)

Ion 87.00 (86.70 to 87.70): VY001463.D (-1076) (-)



#44

Trichloroethene

Concen: 47.38 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY001463.D

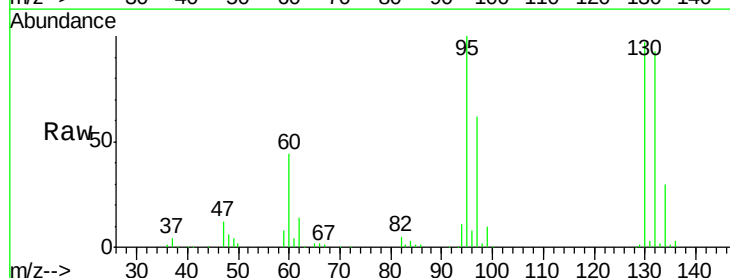
Acq: 03 Feb 2020 10:36

Tgt Ion: 130 Resp: 111630

Ion Ratio Lower Upper

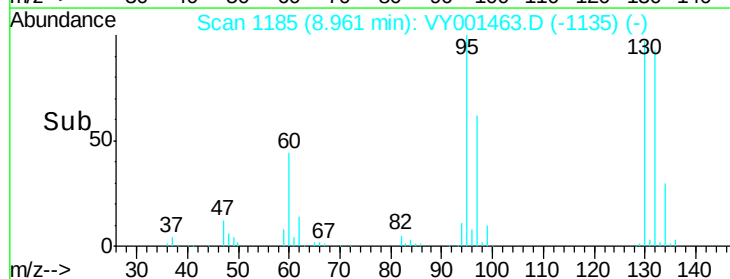
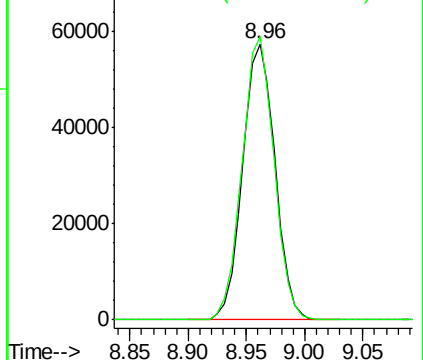
130 100

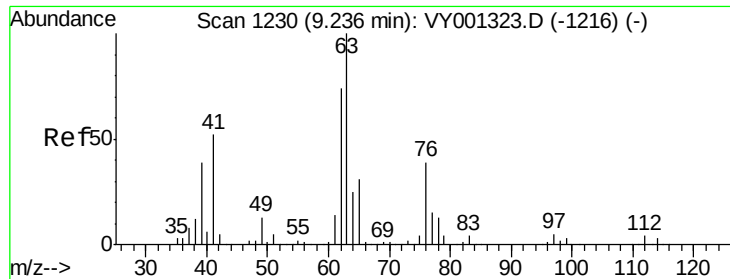
95 102.6 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VY001463.D (-1184) (-)

Ion 94.90 (94.60 to 95.60): VY001463.D (-1184) (-)

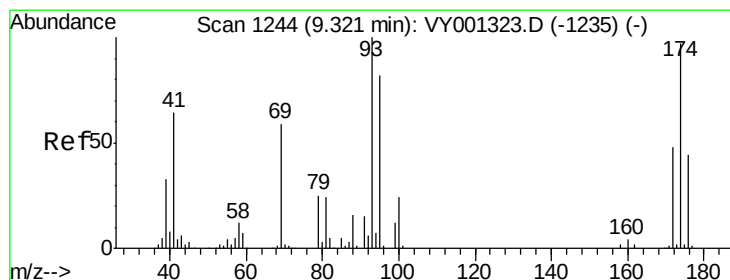
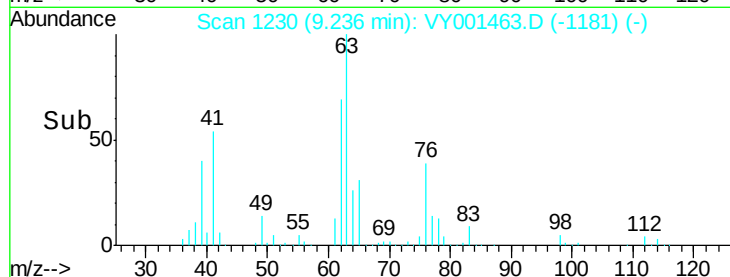
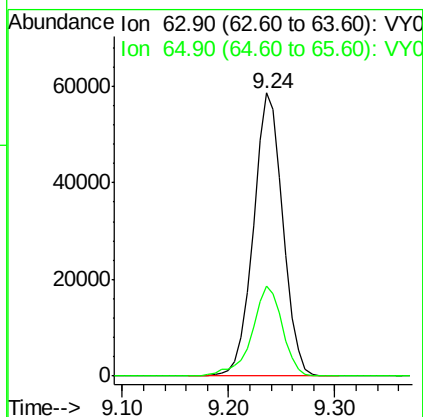
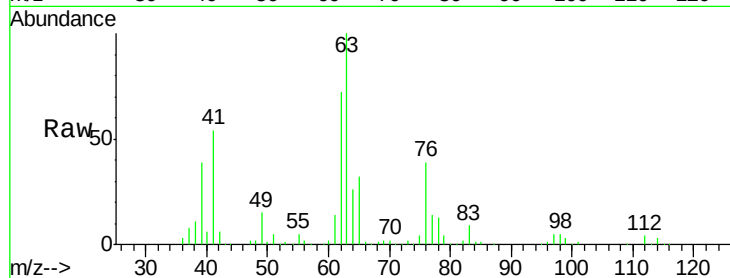




#45
 1,2-Dichloropropane
 Concen: 48.88 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

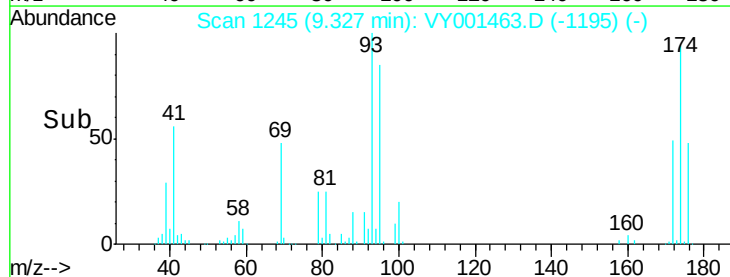
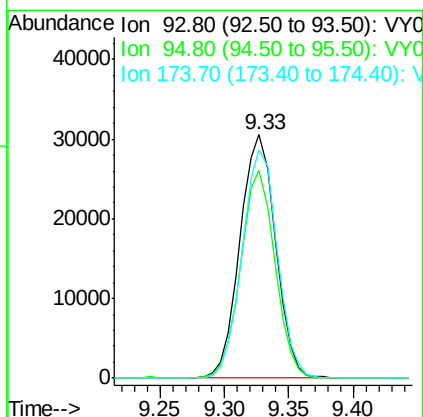
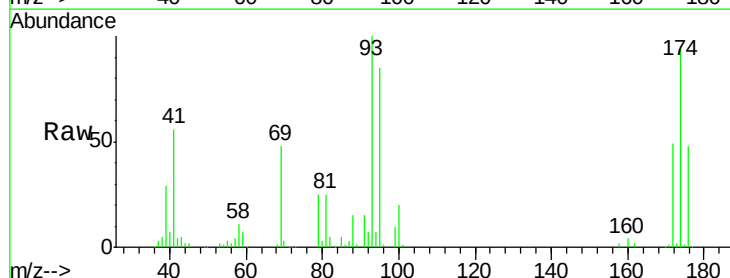
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

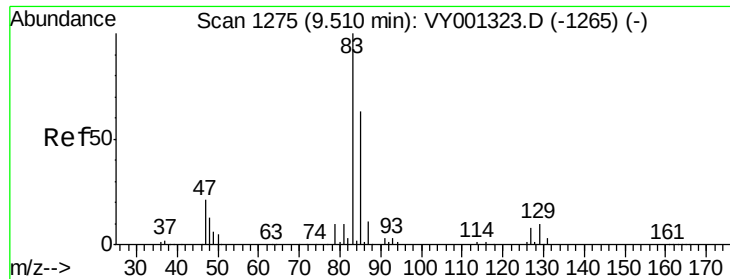
Tgt Ion: 63 Resp: 113442
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3



#46
 Dibromomethane
 Concen: 46.91 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 93 Resp: 58444
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.5 99.7
 174 92.8 77.9 116.9

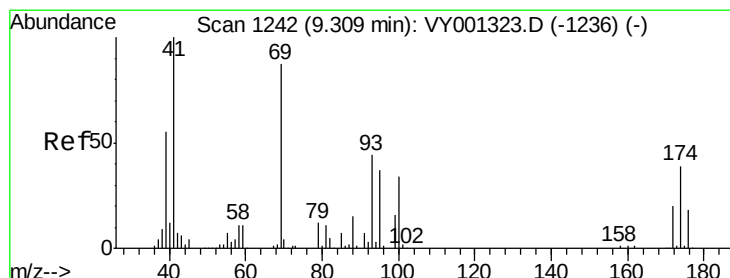
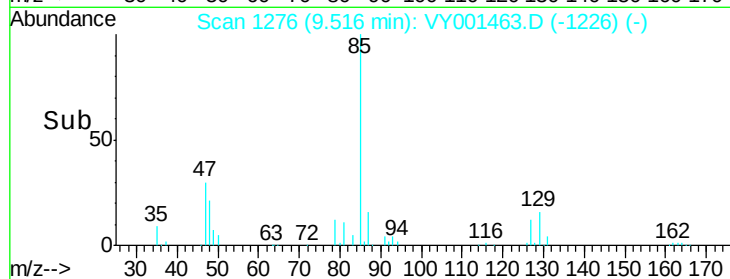
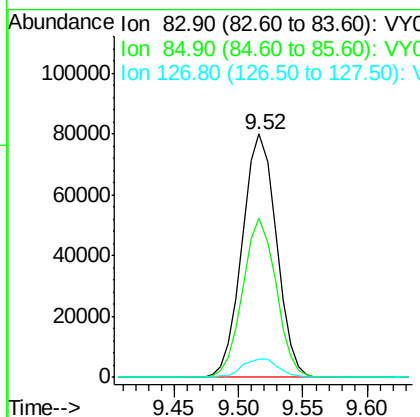
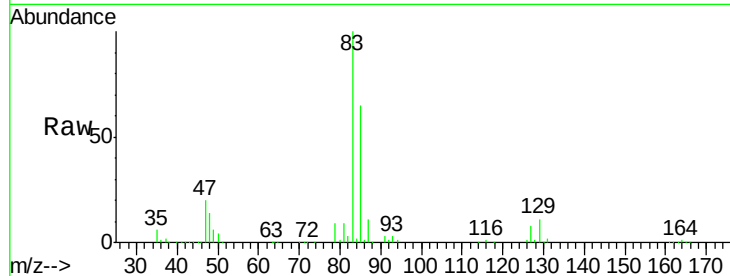




#47
Bromodichloromethane
Concen: 49.39 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

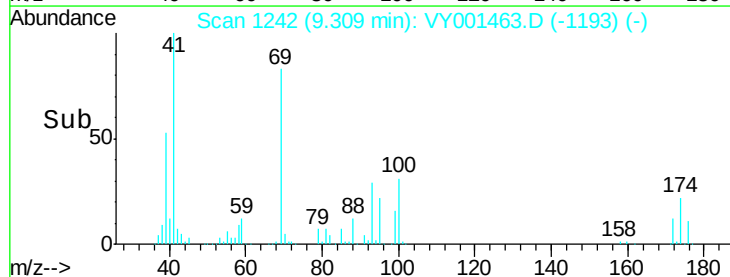
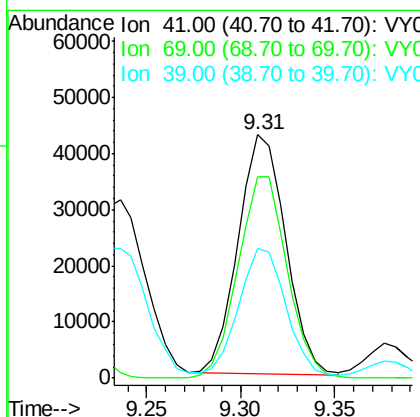
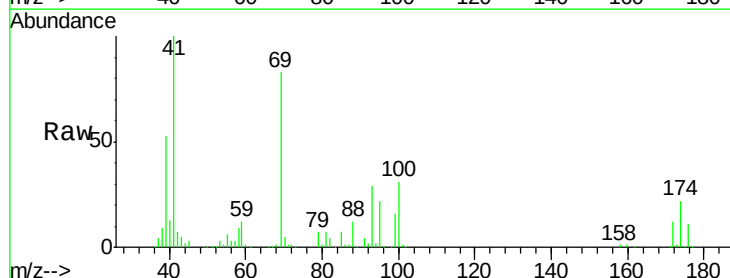
Instrument :
MSVOA_Y
ClientSampled :
BFB

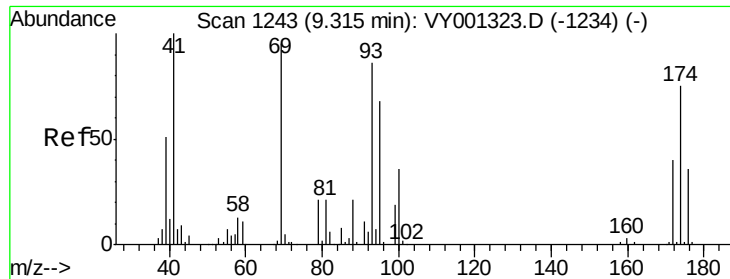
Tgt Ion: 83 Resp: 147112
Ion Ratio Lower Upper
83 100
85 65.4 50.2 75.2
127 7.7 6.4 9.6



#48
Methyl methacrylate
Concen: 45.19 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 41 Resp: 74735
Ion Ratio Lower Upper
41 100
69 87.1 70.2 105.4
39 54.9 45.7 68.5





#49

1,4-Dioxane

Concen: 891.12 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

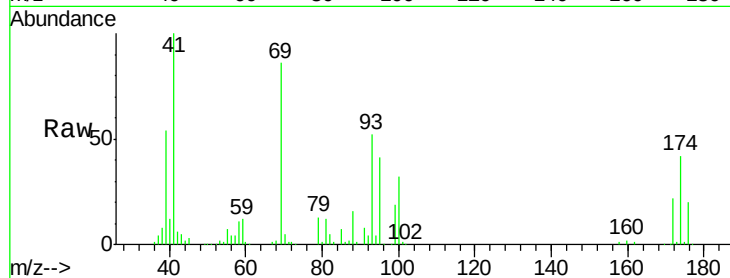
Tgt Ion: 88 Resp: 15657

Ion Ratio Lower Upper

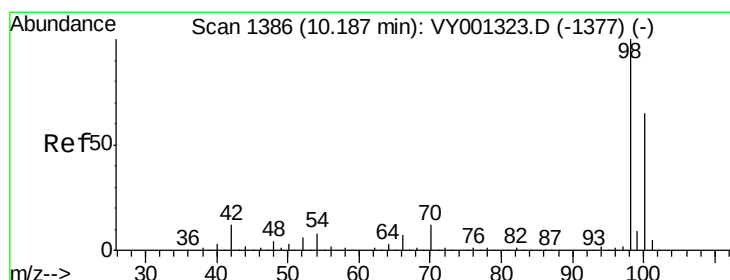
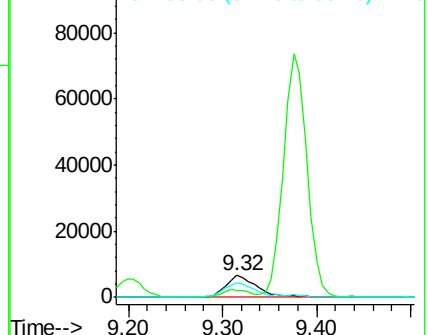
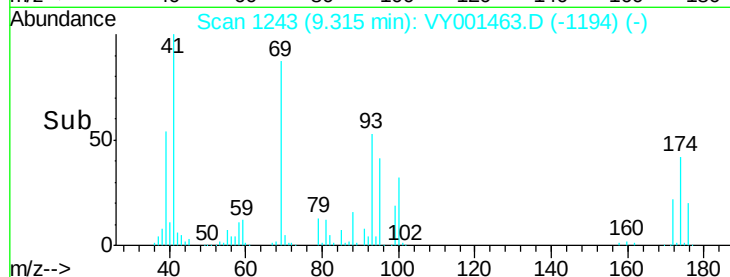
88 100

43 29.2 28.2 42.2

58 73.8 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VY001463.D (-1194) (-)



#50

Toluene-d8

Concen: 54.57 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001463.D

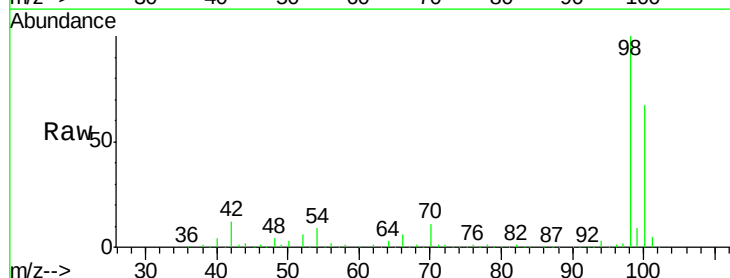
Acq: 03 Feb 2020 10:36

Tgt Ion: 98 Resp: 403299

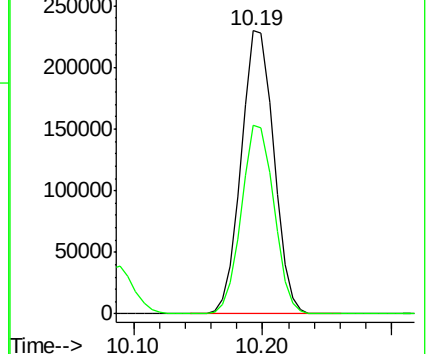
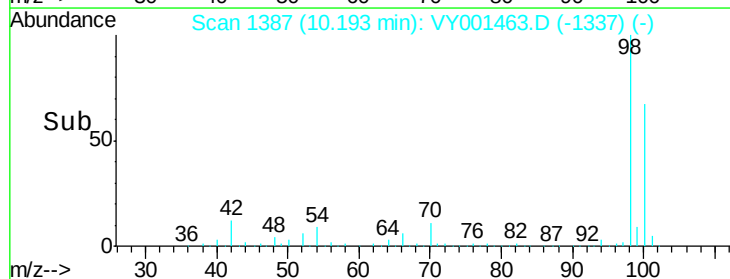
Ion Ratio Lower Upper

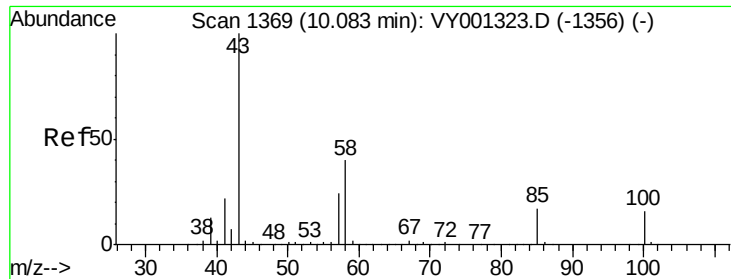
98 100

100 66.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001463.D (-1337) (-)

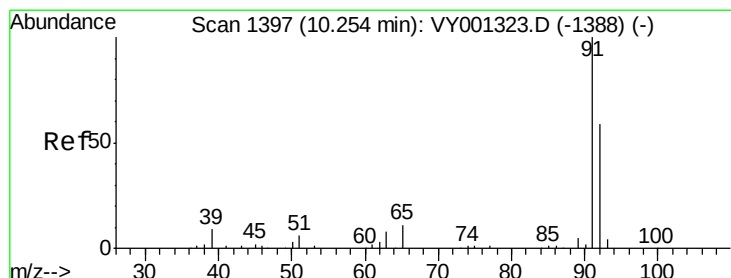
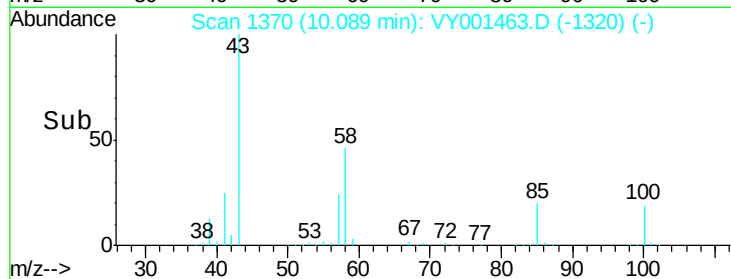
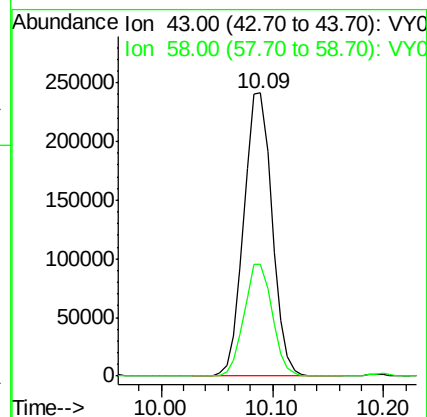
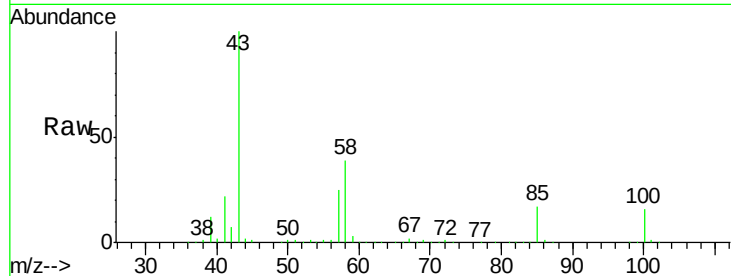




#51
4-Methyl-2-Pentanone
Concen: 227.74 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

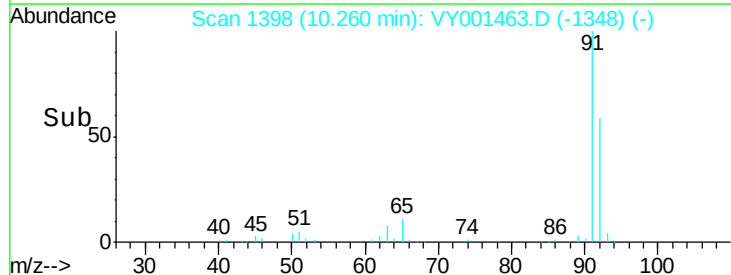
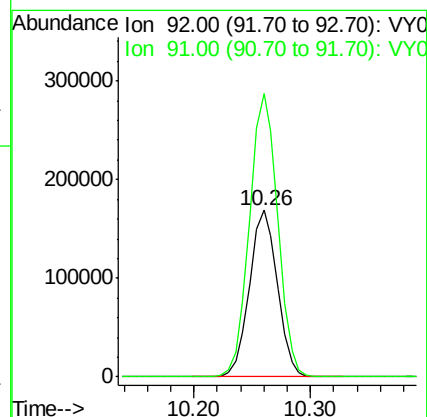
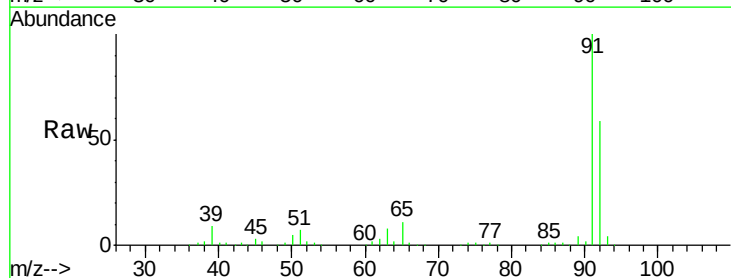
Instrument :
MSVOA_Y
ClientSampleId :
BFB

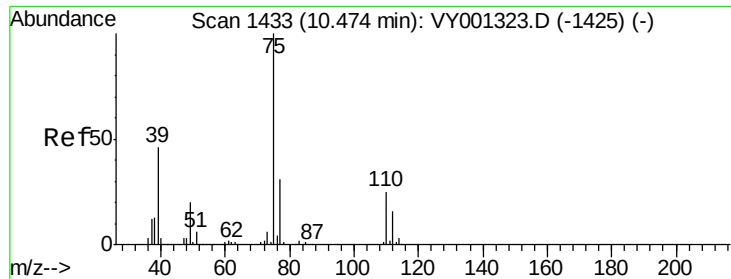
Tgt Ion: 43 Resp: 426622
Ion Ratio Lower Upper
43 100
58 39.3 31.5 47.3



#52
Toluene
Concen: 48.71 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 92 Resp: 283465
Ion Ratio Lower Upper
92 100
91 171.7 136.4 204.6

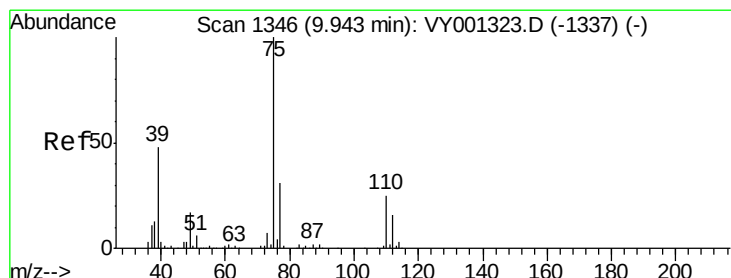
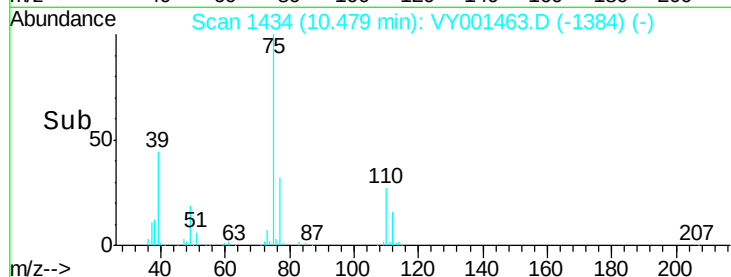
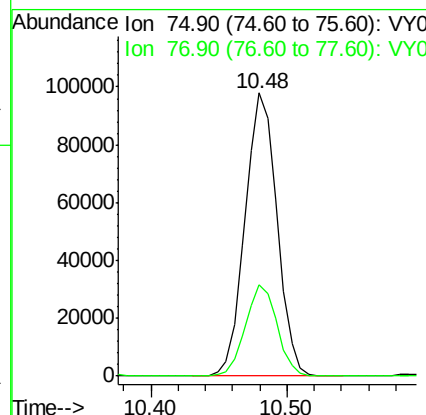
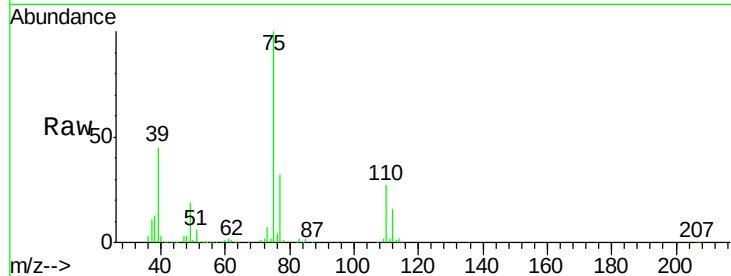




#53
t-1,3-Dichloropropene
Concen: 48.83 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

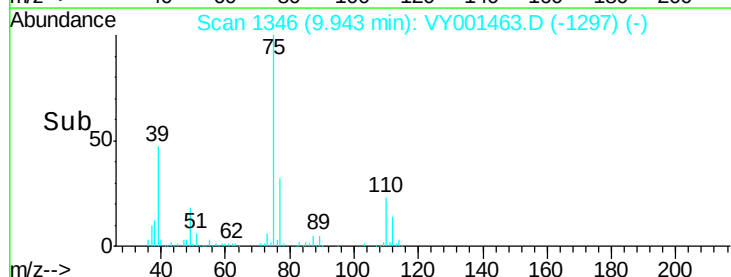
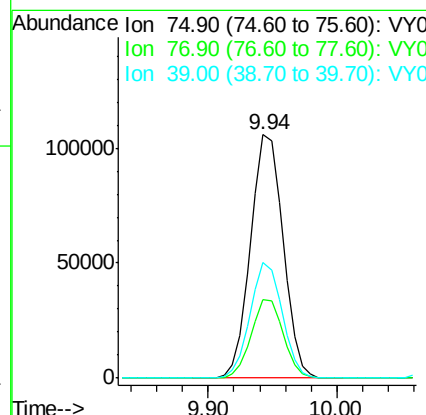
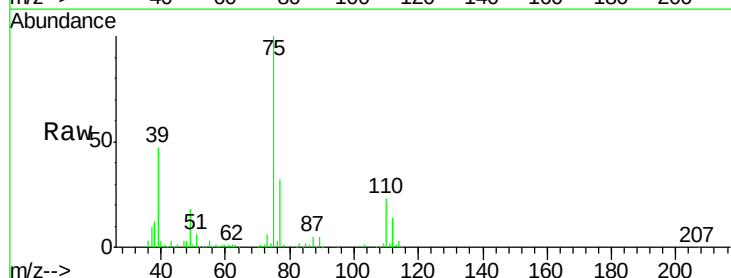
Instrument :
MSVOA_Y
ClientSampled :
BFB

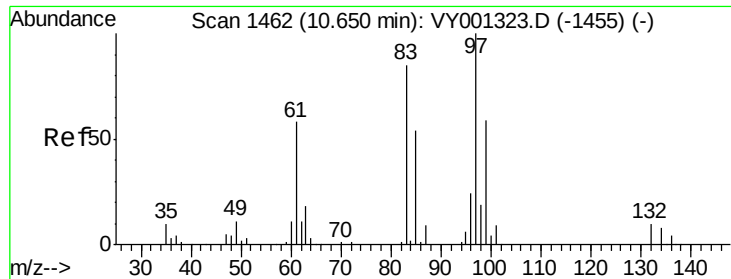
Tgt Ion: 75 Resp: 161217
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 48.78 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 75 Resp: 184824
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6
39 47.2 38.2 57.4

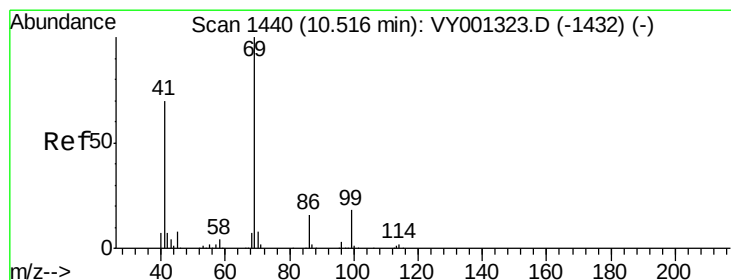
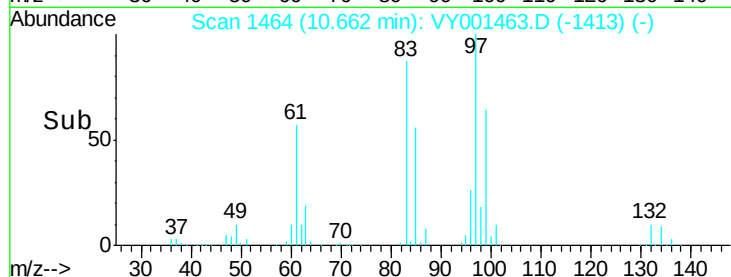
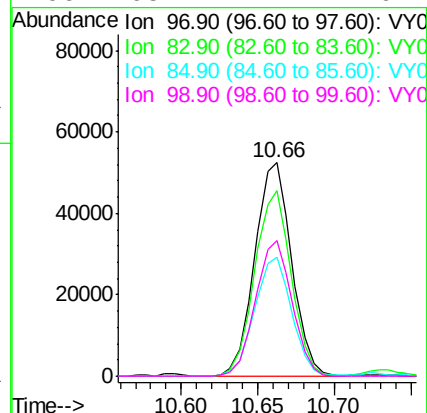
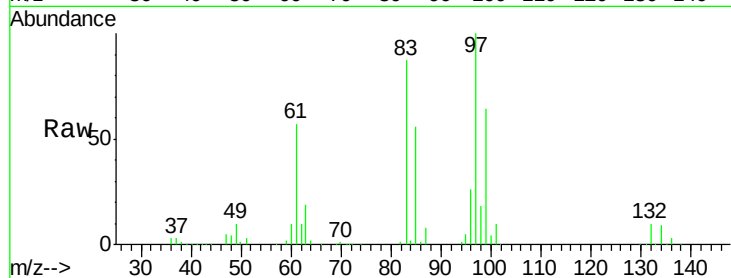




#55
 1,1,2-Trichloroethane
 Concen: 48.01 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

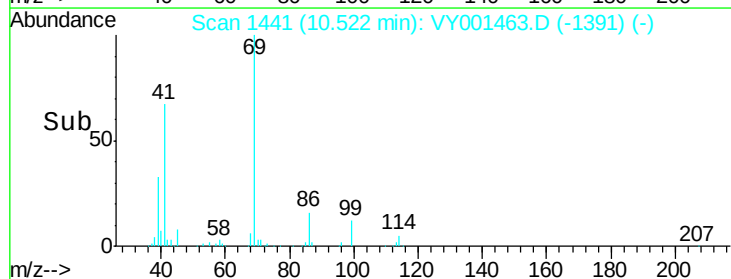
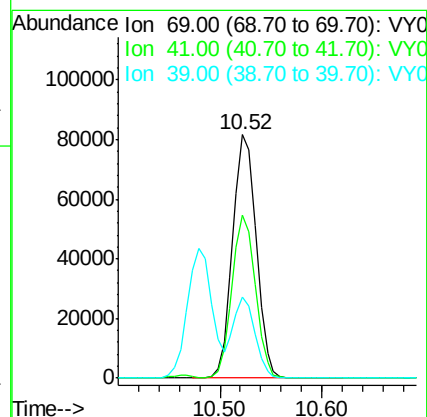
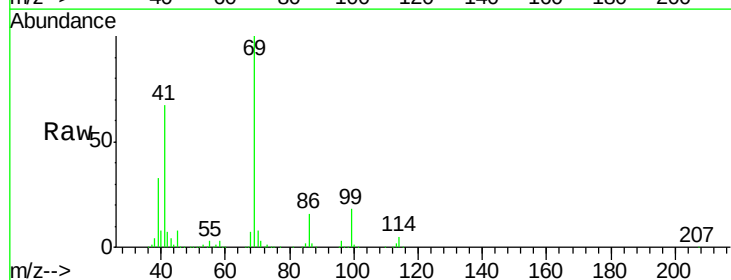
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

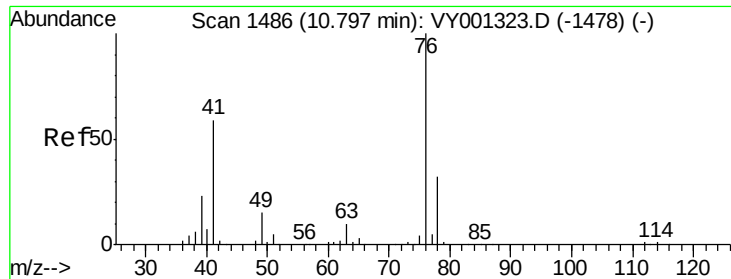
Tgt Ion: 97 Resp: 88291
 Ion Ratio Lower Upper
 97 100
 83 87.1 68.0 102.0
 85 55.7 43.6 65.4
 99 63.7 47.1 70.7



#56
 Ethyl methacrylate
 Concen: 47.00 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 69 Resp: 130622
 Ion Ratio Lower Upper
 69 100
 41 65.7 54.1 81.1
 39 31.0 26.8 40.2

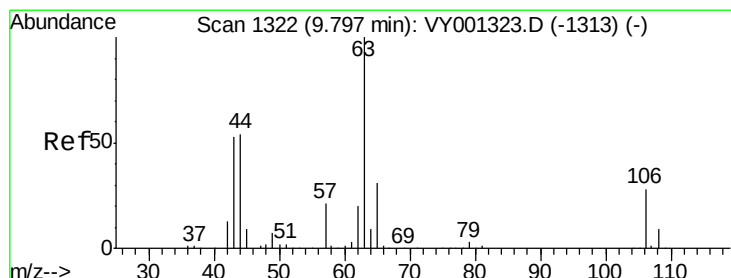
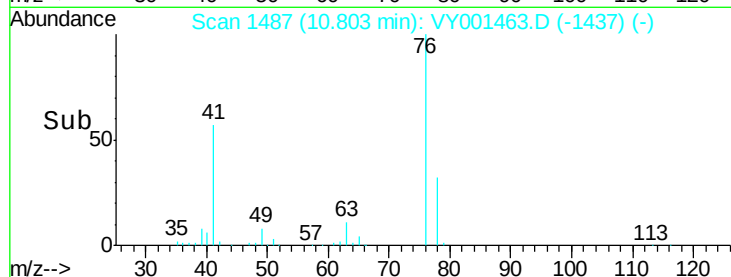
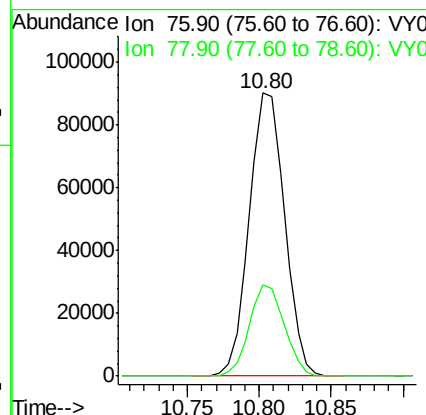
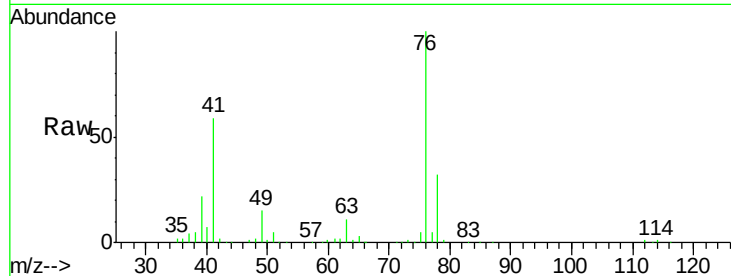




#57
 1,3-Dichloropropane
 Concen: 47.91 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

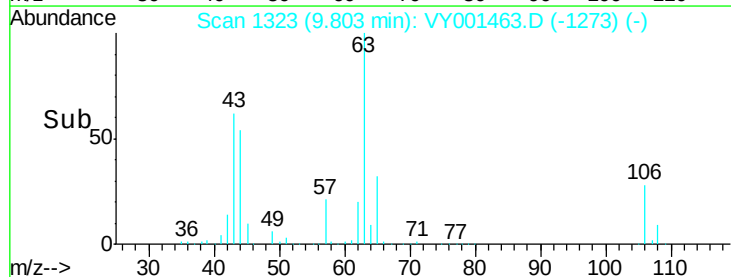
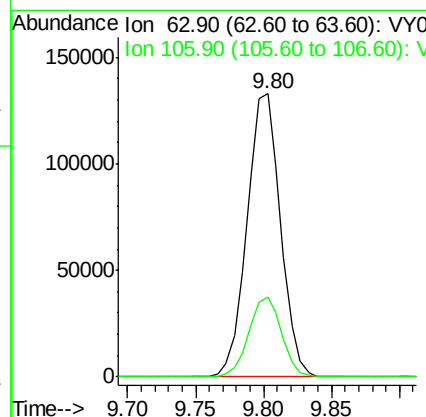
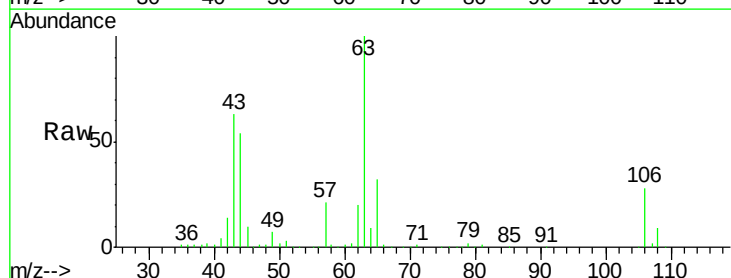
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

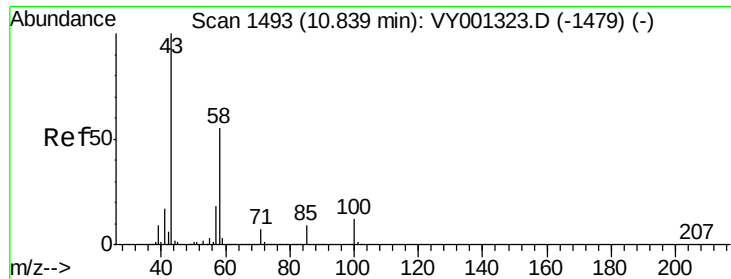
Tgt Ion: 76 Resp: 153480
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.59 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 63 Resp: 228514
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.5 33.7

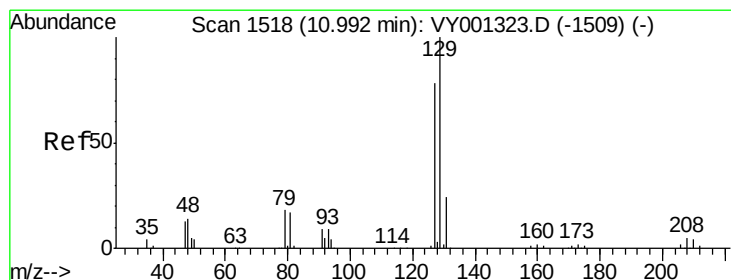
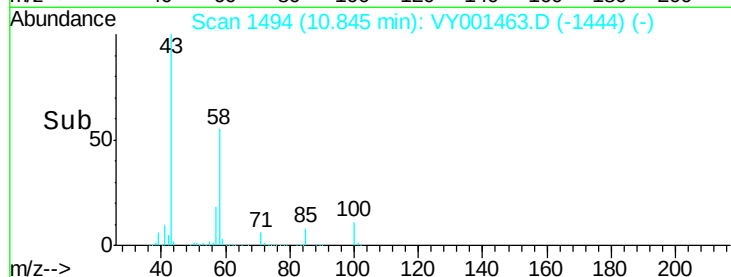
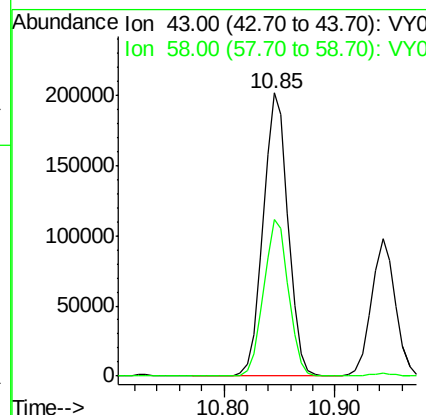
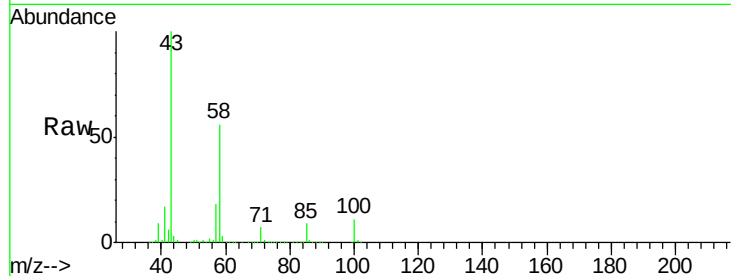




#59
2-Hexanone
Concen: 241.13 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

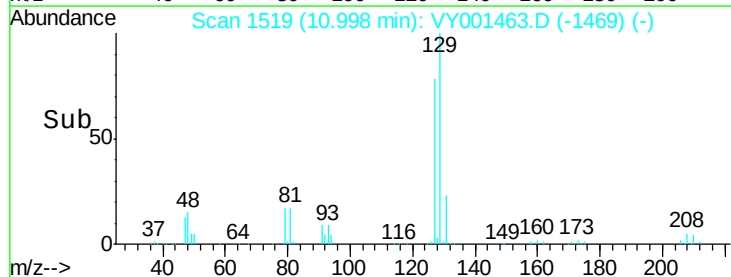
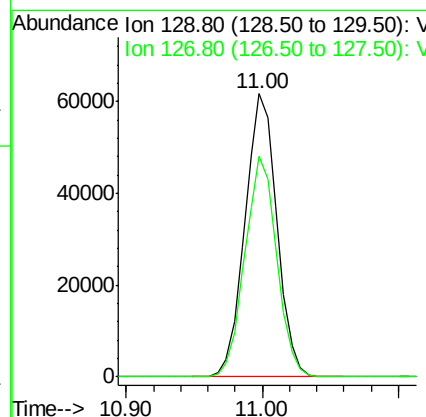
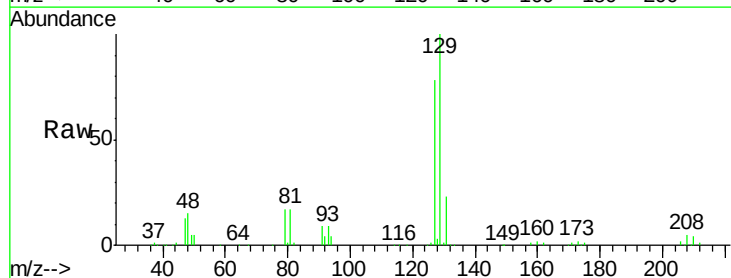
Instrument :
MSVOA_Y
ClientSampleId :
BFB

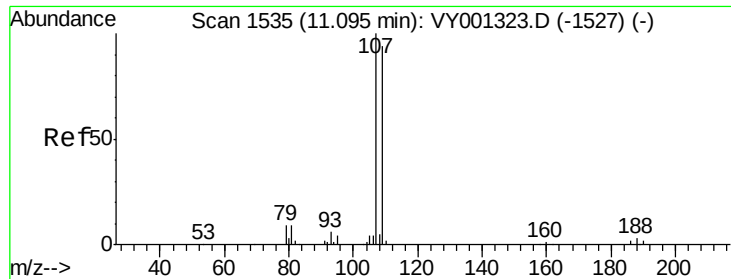
Tgt Ion: 43 Resp: 314457
Ion Ratio Lower Upper
43 100
58 55.5 27.6 82.8



#60
Dibromochloromethane
Concen: 49.19 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 129 Resp: 101180
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4

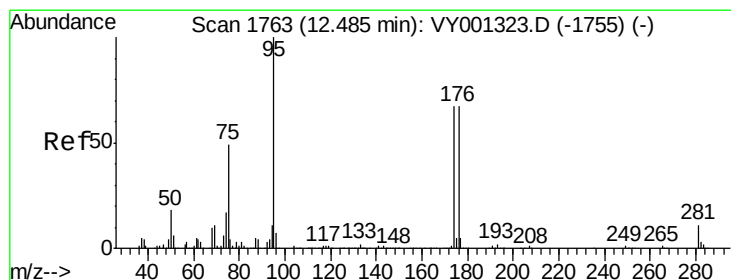
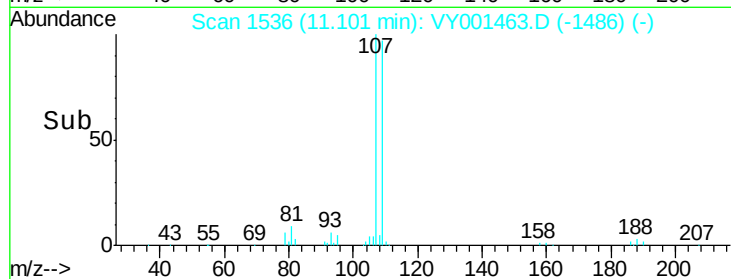
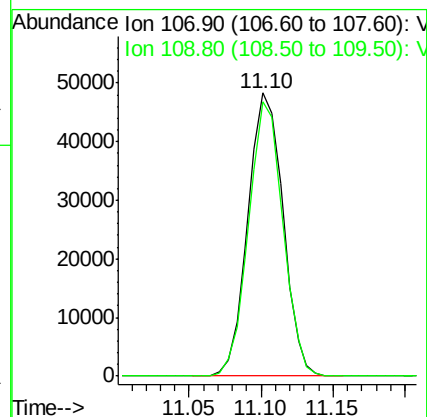
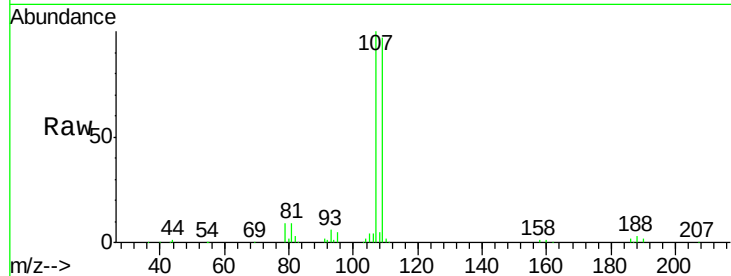




#61
 1,2-Dibromoethane
 Concen: 46.90 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

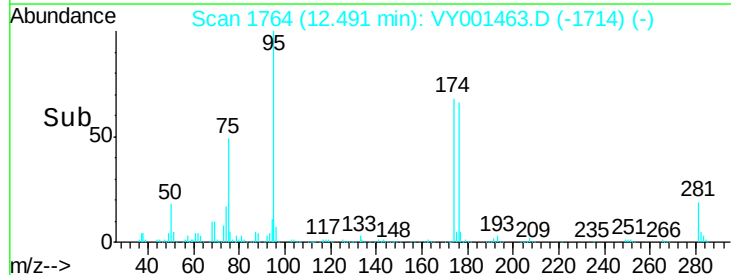
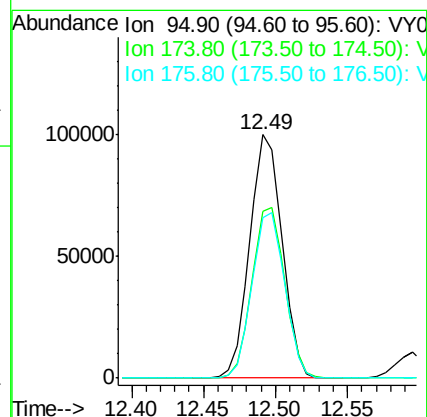
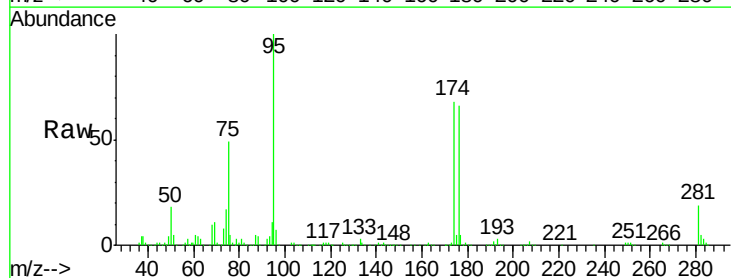
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

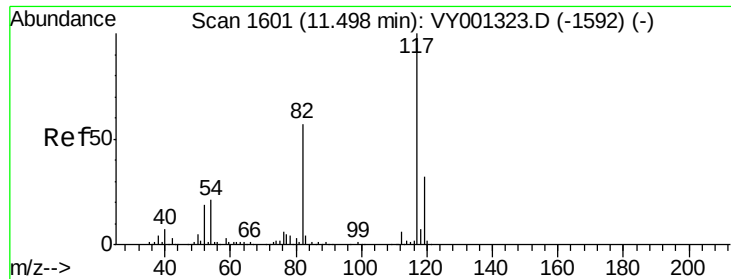
Tgt Ion: 107 Resp: 81538
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.66 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 95 Resp: 154965
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 142.0
 176 68.8 0.0 138.6

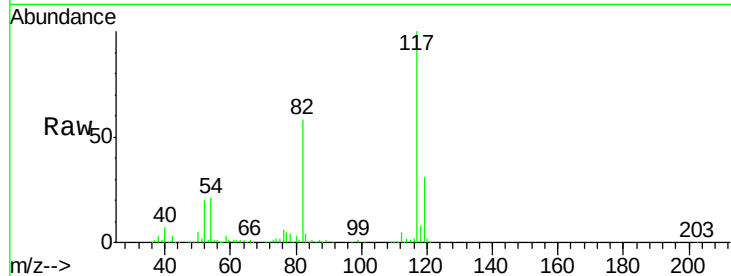




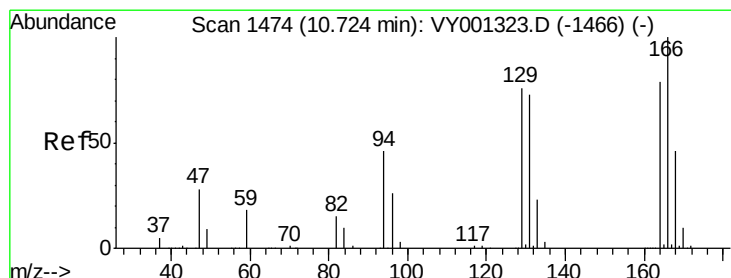
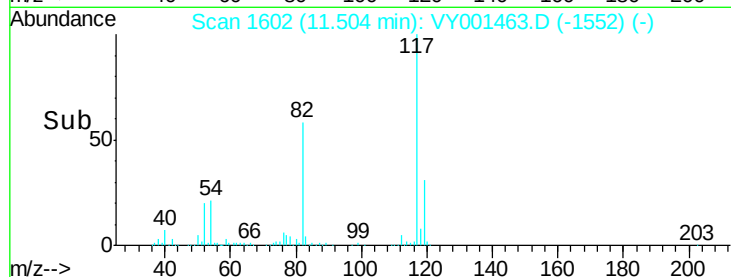
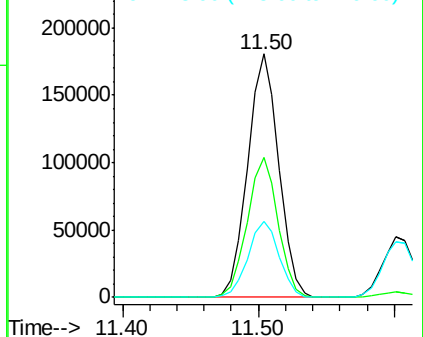
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion:117 Resp: 288308
Ion Ratio Lower Upper
117 100
82 57.7 45.5 68.3
119 31.2 25.8 38.6



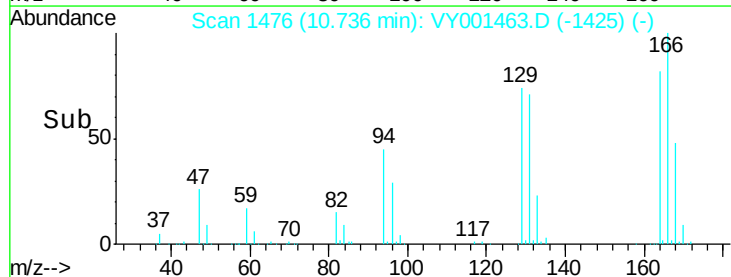
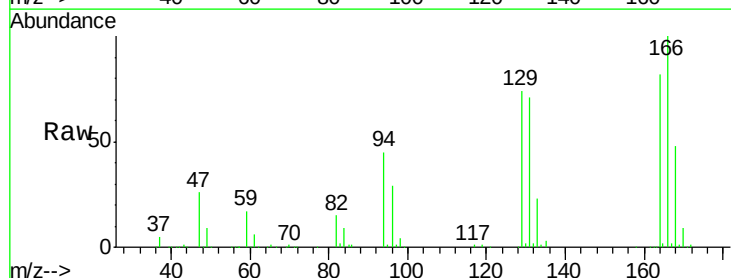
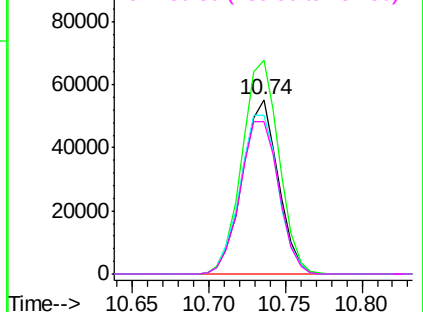
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

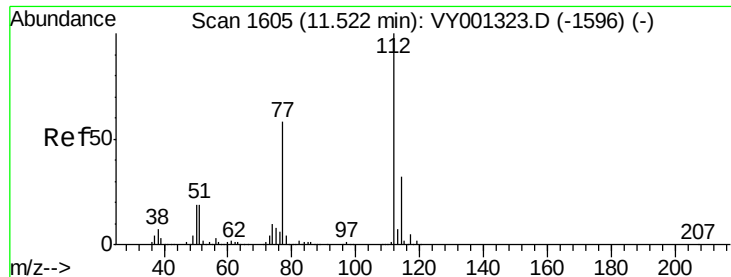


#64
Tetrachloroethene
Concen: 49.00 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion:164 Resp: 90245
Ion Ratio Lower Upper
164 100
166 122.7 101.8 152.8
129 91.2 77.1 115.7
131 87.7 74.2 111.2

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

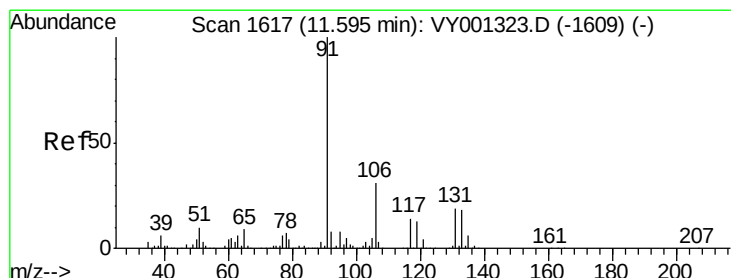
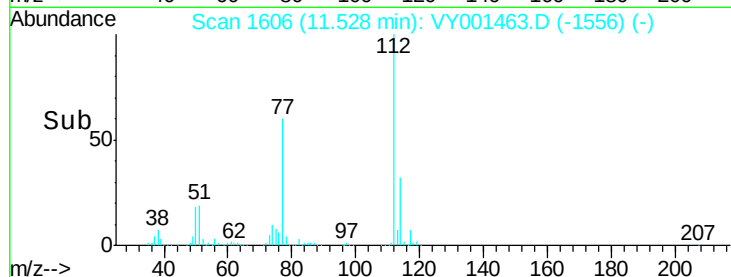
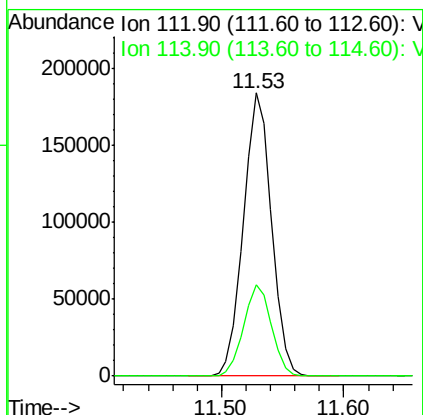
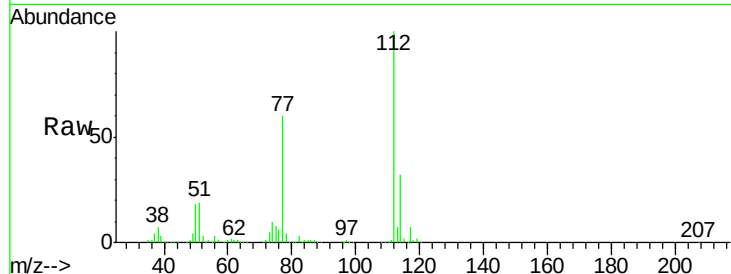




#65
Chlorobenzene
Concen: 48.27 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

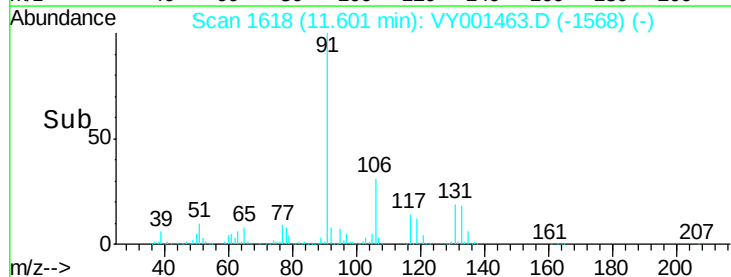
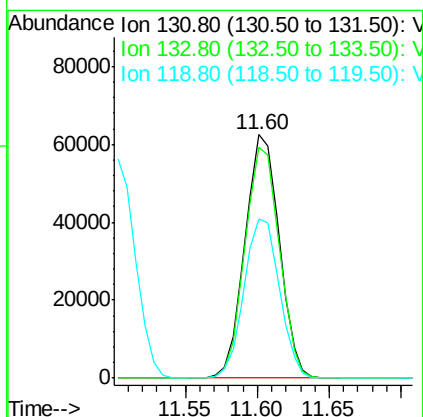
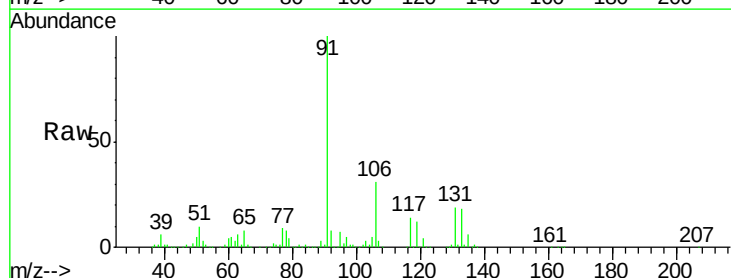
Instrument :
MSVOA_Y
ClientSampleId :
BFB

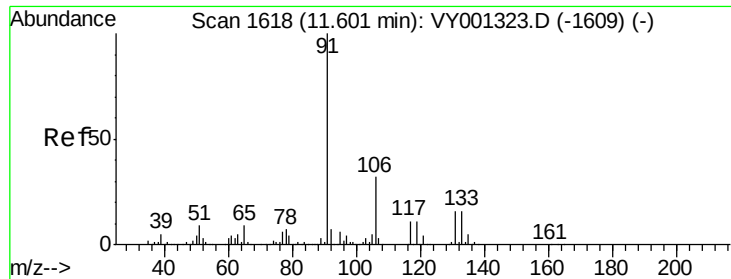
Tgt Ion:112 Resp: 293330
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.68 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion:131 Resp: 103038
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 67.5 34.1 102.2





#67

Ethyl Benzene

Concen: 49.01 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

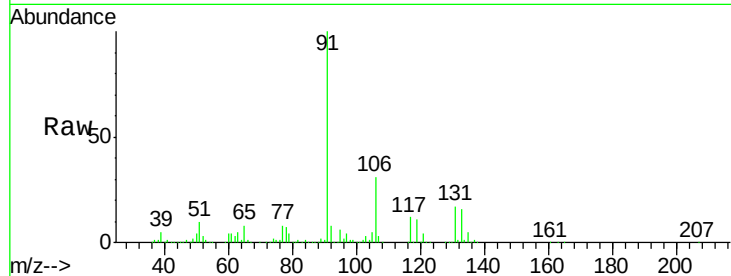
BFB

Tgt Ion: 91 Resp: 548903

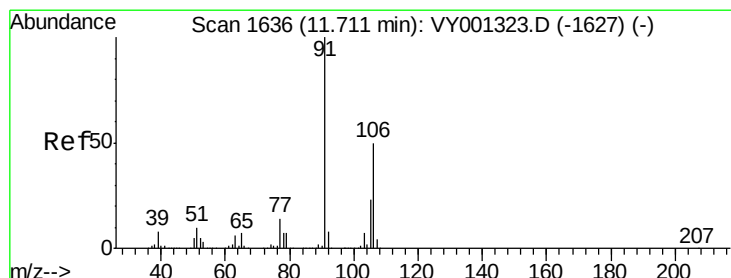
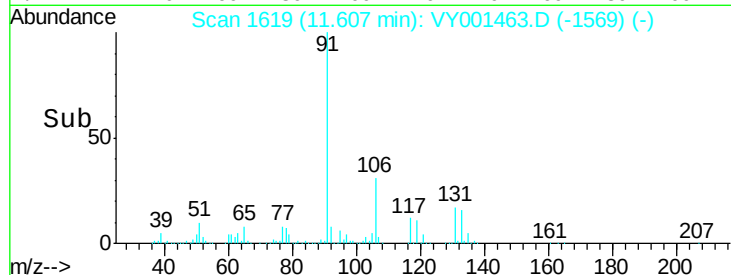
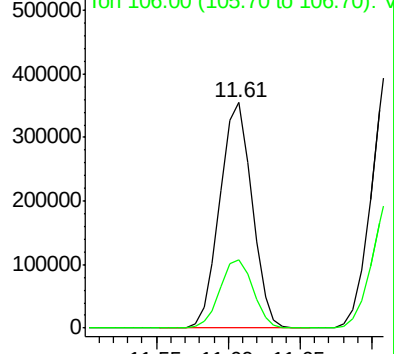
Ion Ratio Lower Upper

91 100

106 30.5 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VY001463.D (-1569) (-)



#68

m/p-Xylenes

Concen: 98.55 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY001463.D

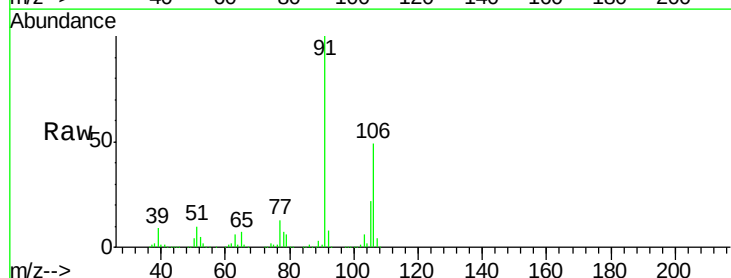
Acq: 03 Feb 2020 10:36

Tgt Ion: 106 Resp: 412241

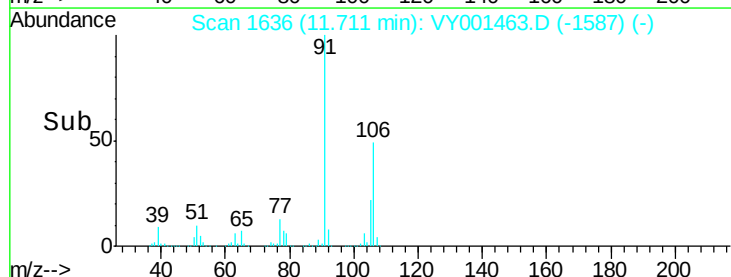
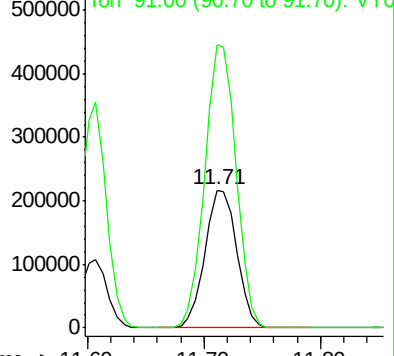
Ion Ratio Lower Upper

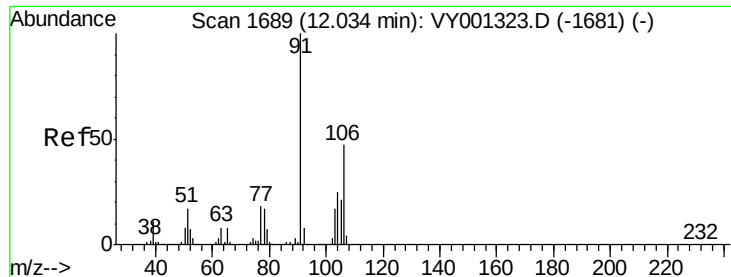
106 100

91 202.5 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VY001463.D (-1587) (-)

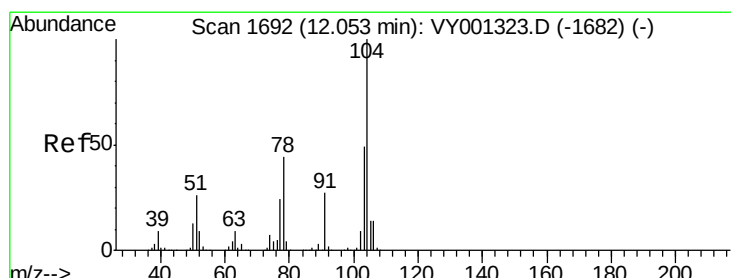
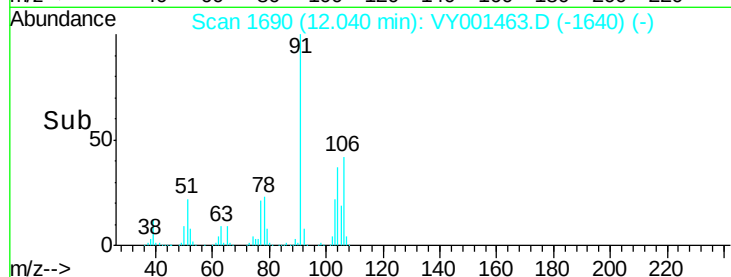
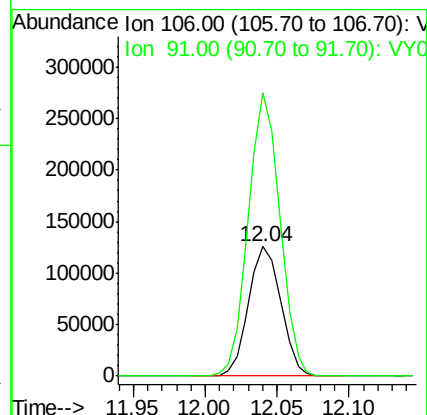
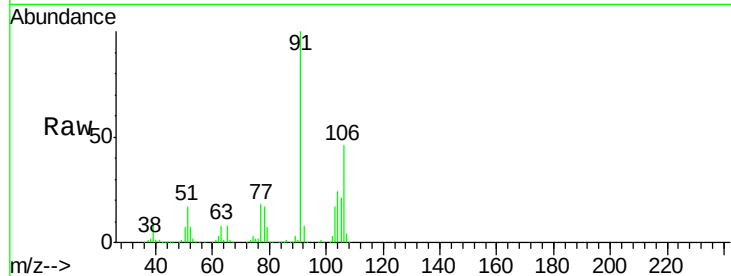




#69
o-Xylene
Concen: 48.56 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

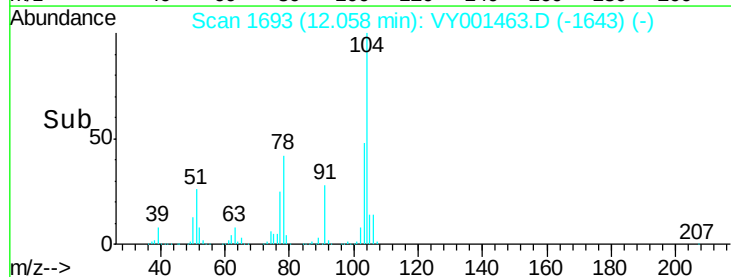
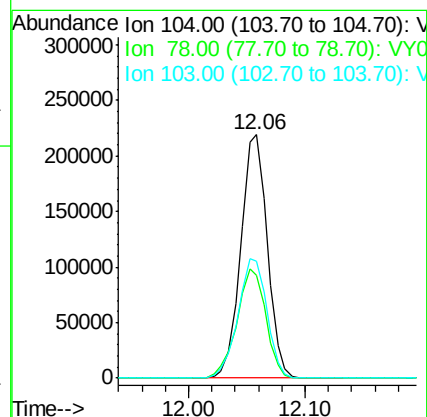
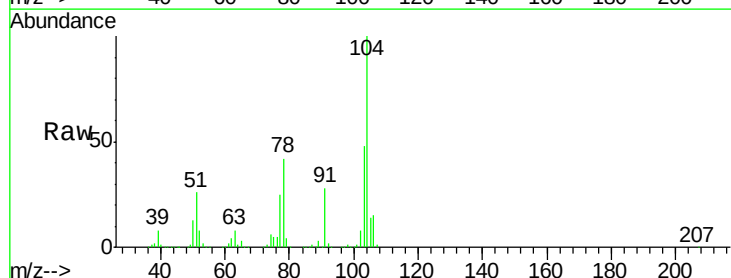
Instrument :
MSVOA_Y
ClientSampled :
BFB

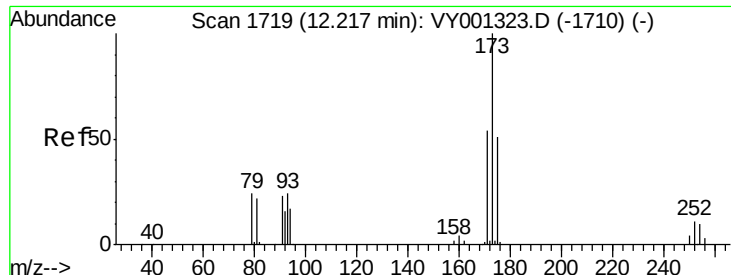
Tgt Ion:106 Resp: 195394
Ion Ratio Lower Upper
106 100
91 214.1 106.3 319.0



#70
Styrene
Concen: 49.32 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion:104 Resp: 348237
Ion Ratio Lower Upper
104 100
78 48.7 39.8 59.8
103 53.4 43.2 64.8





#71

Bromoform

Concen: 47.08 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

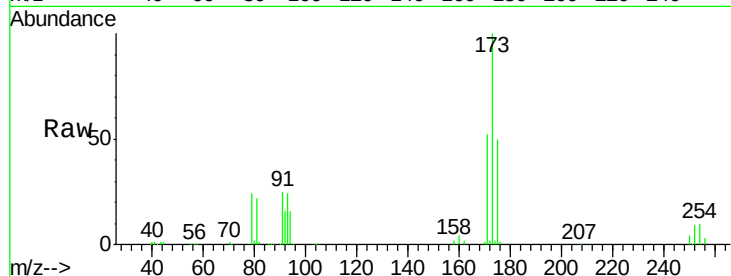
Tgt Ion:173 Resp: 58290

Ion Ratio Lower Upper

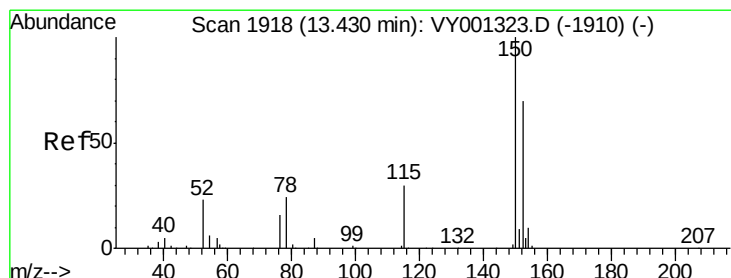
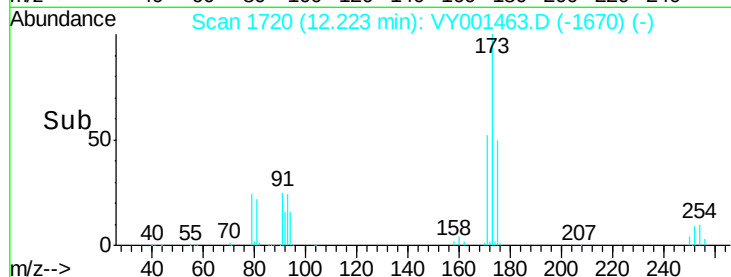
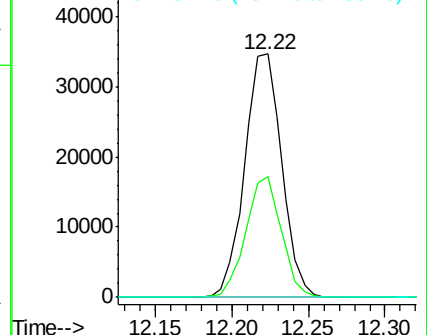
173 100

175 47.6 24.3 72.9

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: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

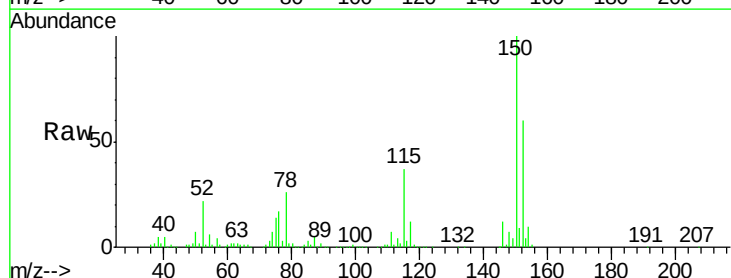
Tgt Ion:152 Resp: 136397

Ion Ratio Lower Upper

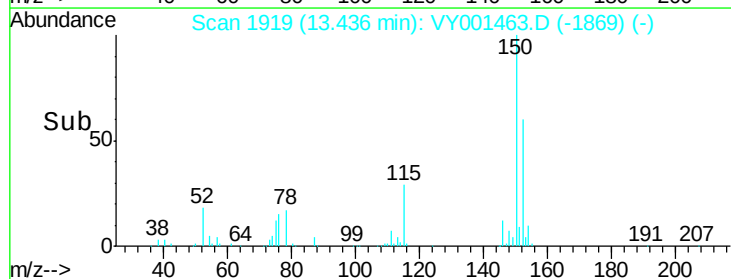
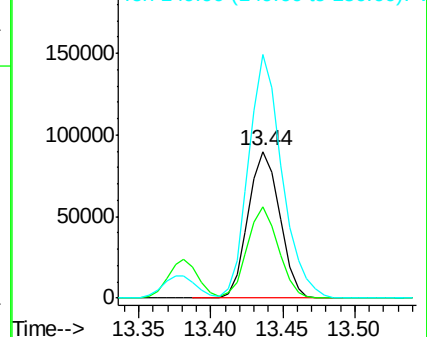
152 100

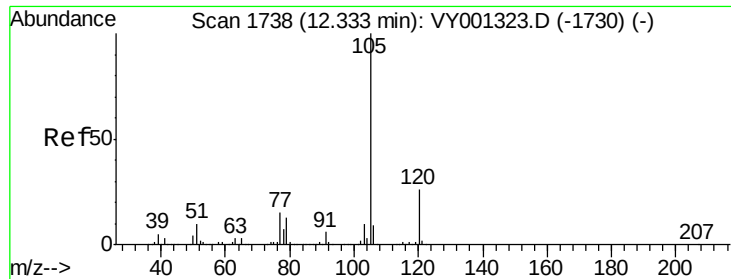
115 61.1 30.9 92.8

150 175.5 0.0 349.2



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

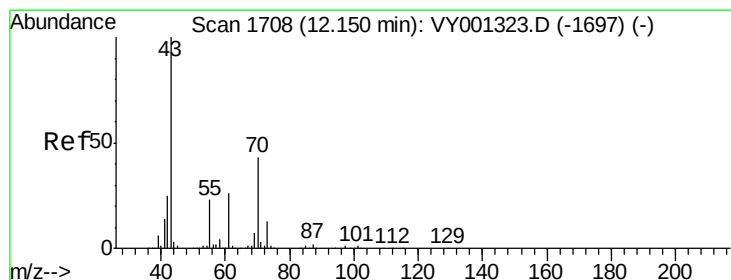
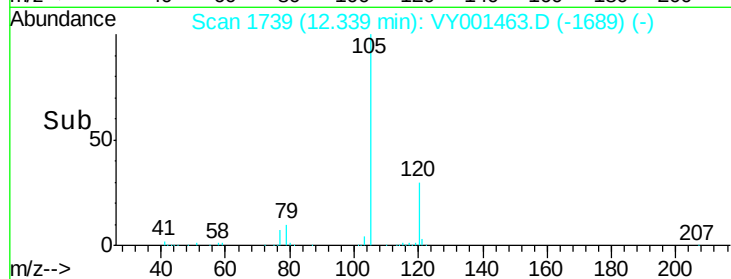
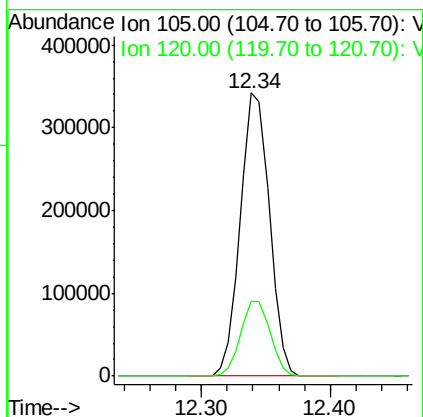
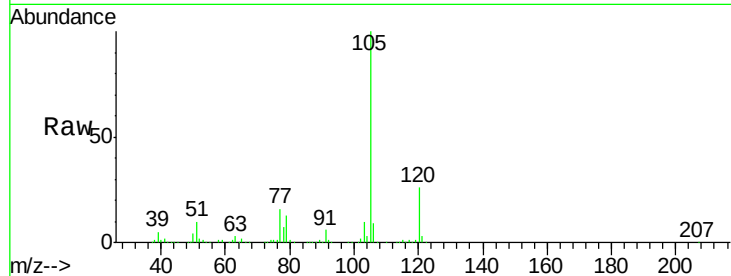




#73
Isopropylbenzene
Concen: 49.77 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

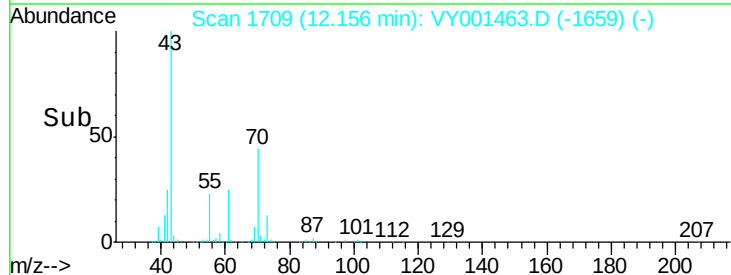
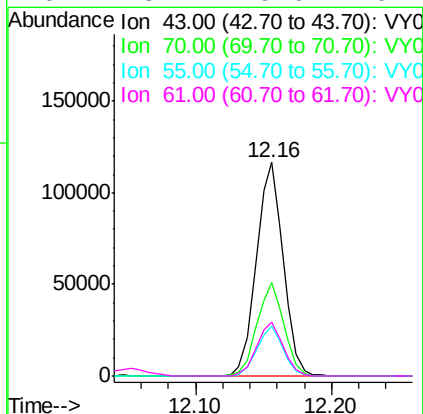
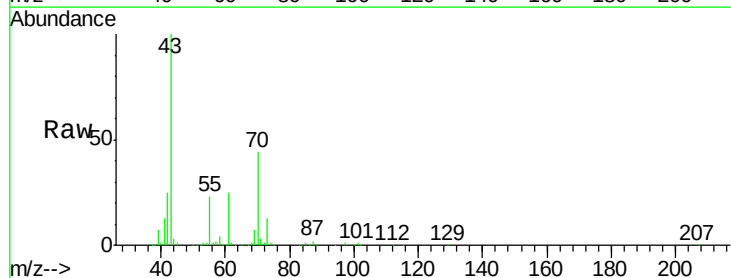
Instrument :
MSVOA_Y
ClientSampleId :
BFB

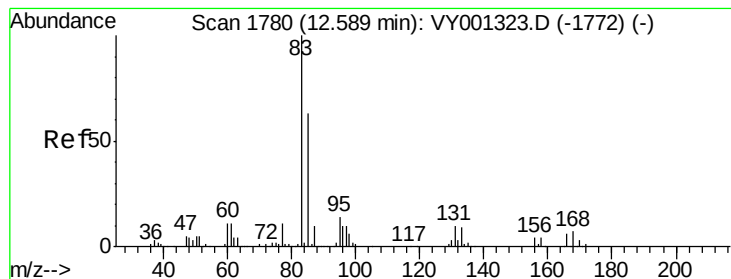
Tgt Ion: 105 Resp: 535619
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#74
N-ethyl acetate
Concen: 45.68 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 43 Resp: 160916
Ion Ratio Lower Upper
43 100
70 43.8 33.5 50.3
55 22.9 18.2 27.2
61 25.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.20 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

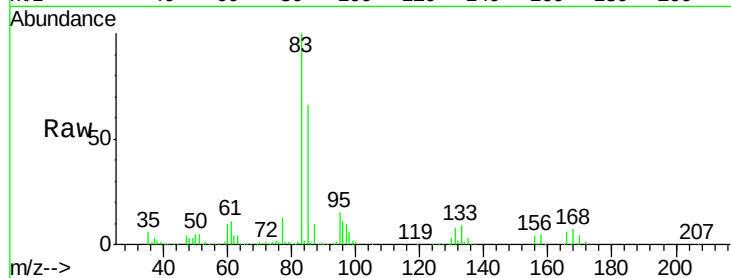
Tgt Ion: 83 Resp: 108794

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.6

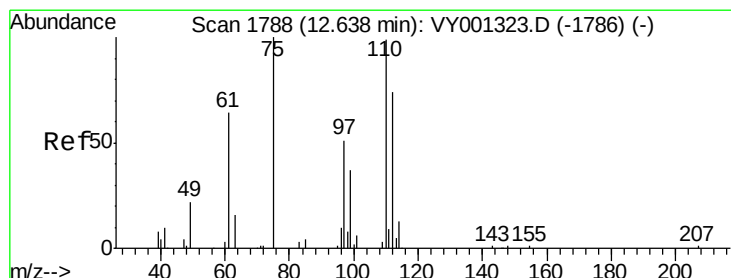
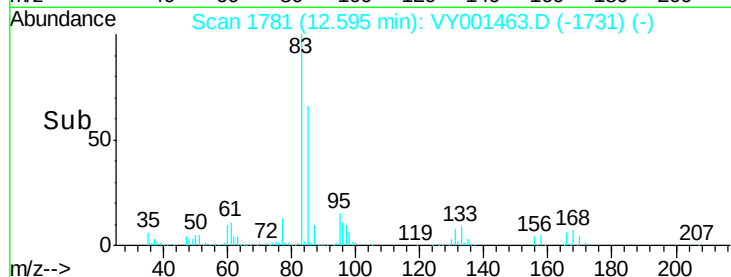
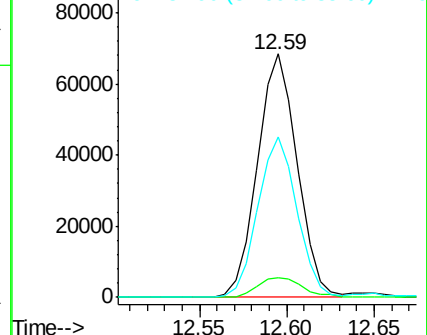
85 65.0 31.4 94.3



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: 86.72 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001463.D

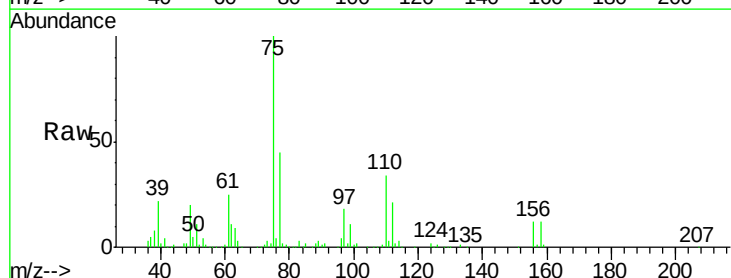
Acq: 03 Feb 2020 10:36

Tgt Ion: 75 Resp: 142526

Ion Ratio Lower Upper

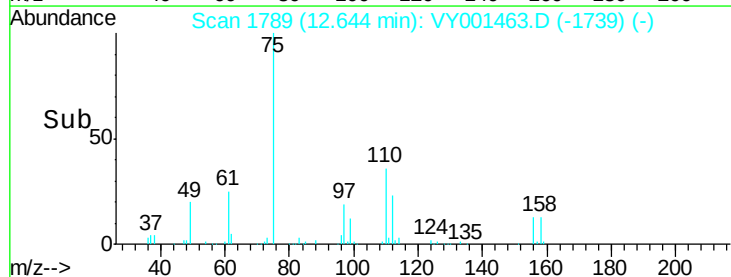
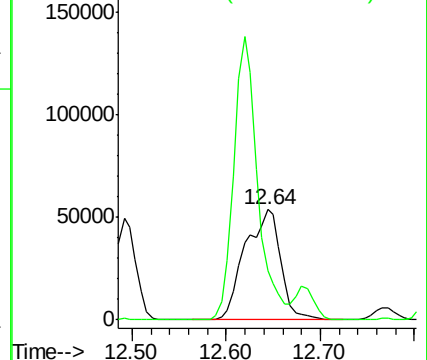
75 100

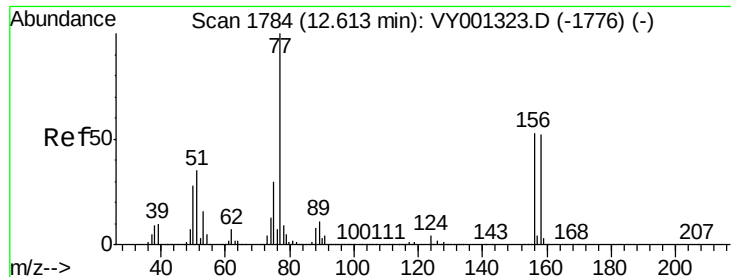
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 48.11 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampled :

BFB

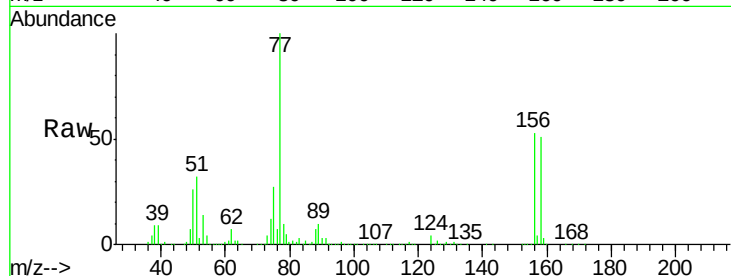
Tgt Ion:156 Resp: 114700

Ion Ratio Lower Upper

156 100

77 213.6 104.7 313.9

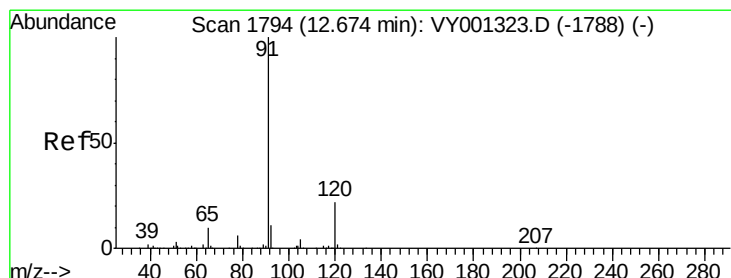
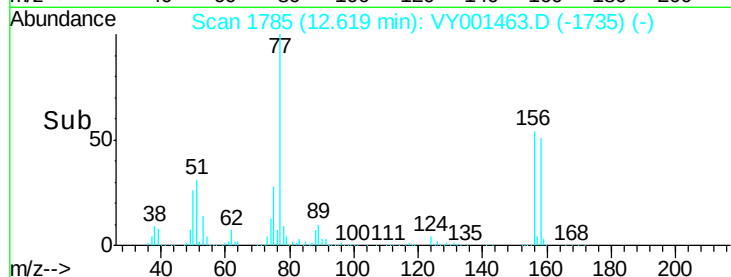
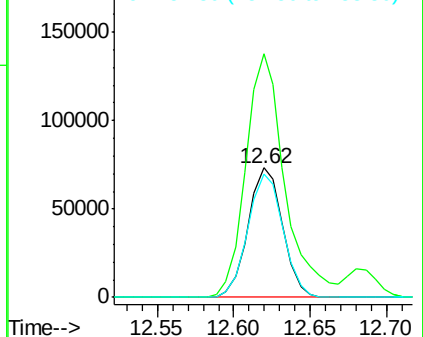
158 97.2 48.6 145.8



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: 50.42 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001463.D

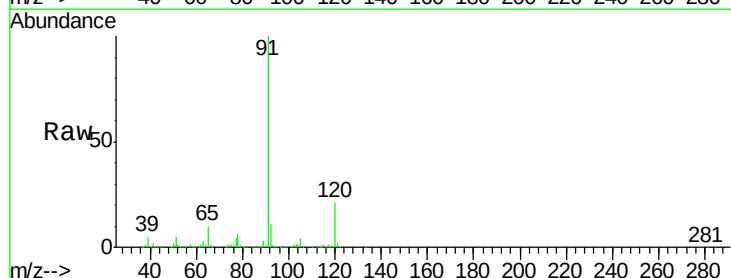
Acq: 03 Feb 2020 10:36

Tgt Ion: 91 Resp: 653158

Ion Ratio Lower Upper

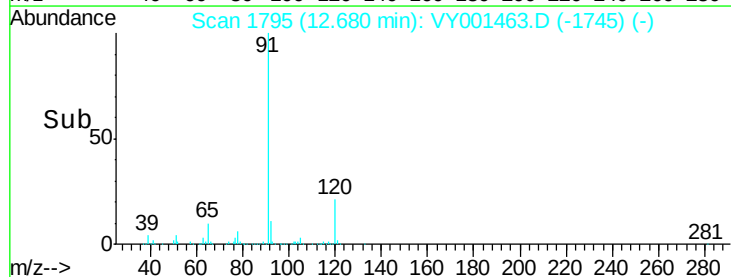
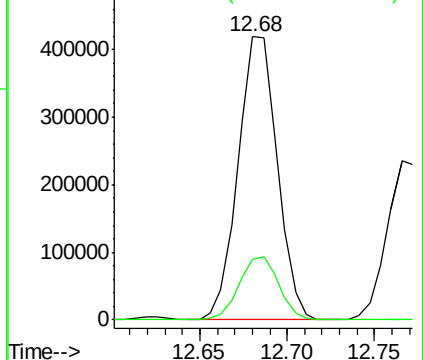
91 100

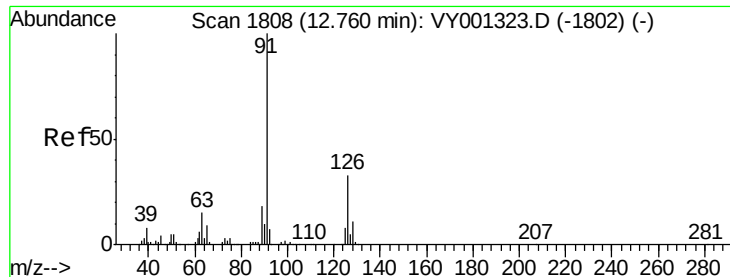
120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.83 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampled :

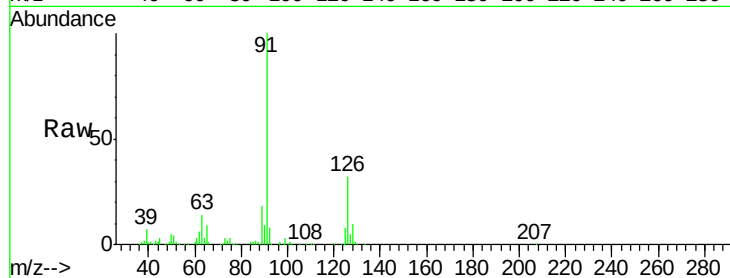
BFB

Tgt Ion: 91 Resp: 368803

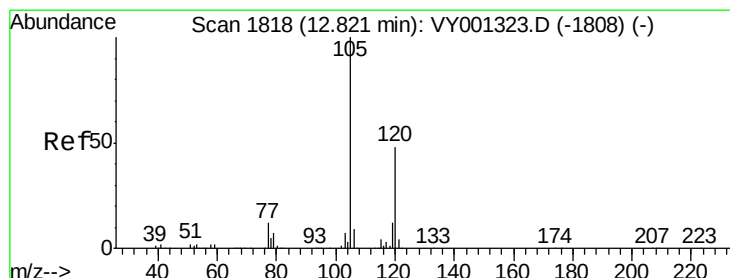
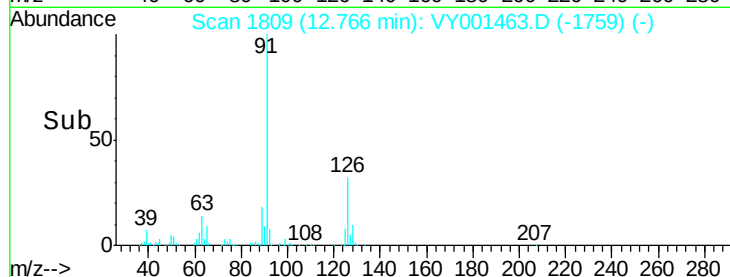
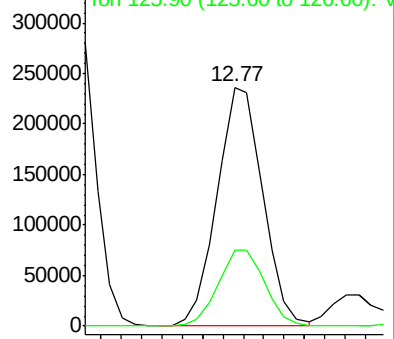
Ion Ratio Lower Upper

91 100

126 32.6 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VY001463.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.83 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001463.D

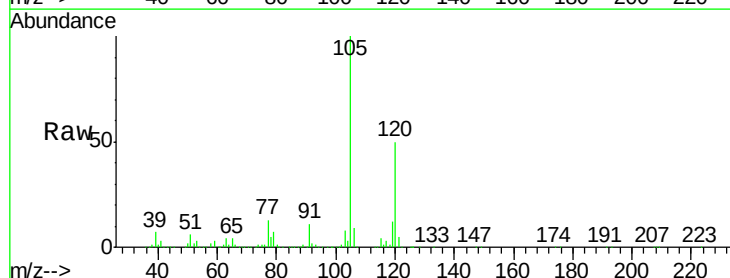
Acq: 03 Feb 2020 10:36

Tgt Ion: 105 Resp: 447629

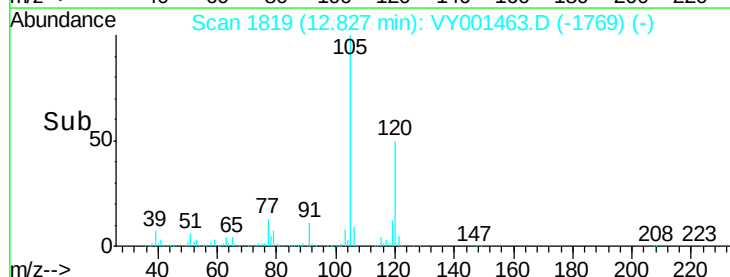
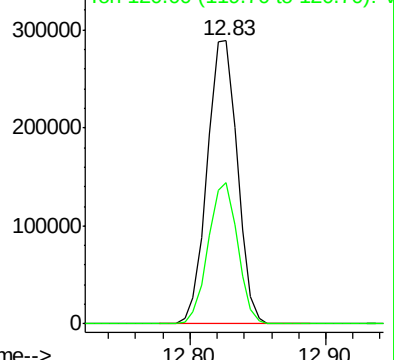
Ion Ratio Lower Upper

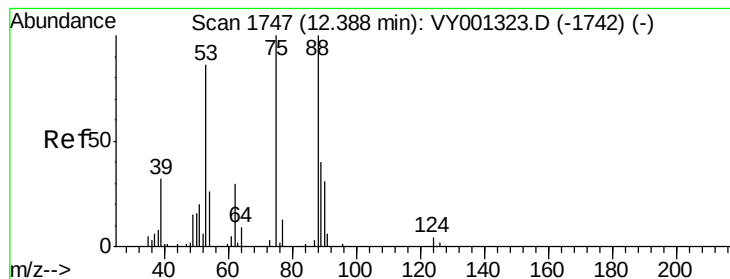
105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001463.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.69 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

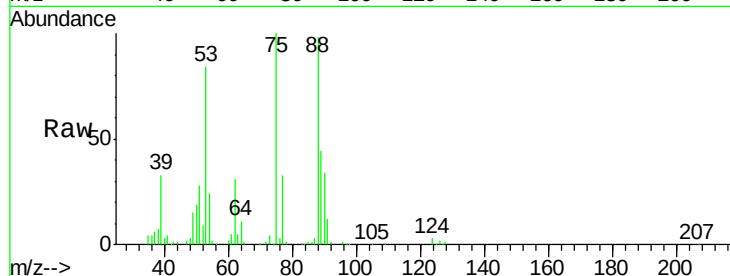
Tgt Ion: 75 Resp: 41423

Ion Ratio Lower Upper

75 100

53 85.4 69.9 104.9

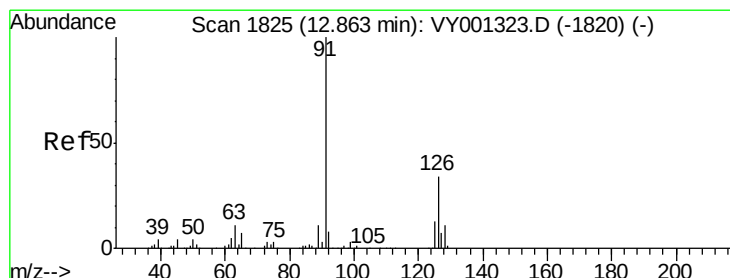
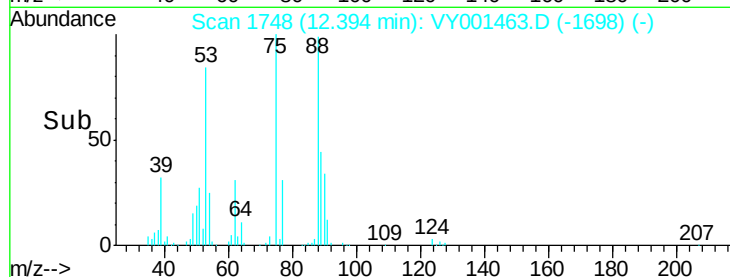
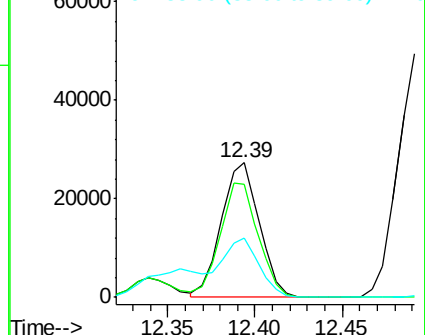
89 44.1 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 49.01 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY001463.D

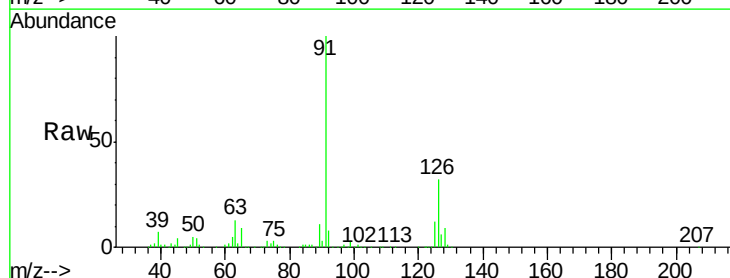
Acq: 03 Feb 2020 10:36

Tgt Ion: 91 Resp: 387446

Ion Ratio Lower Upper

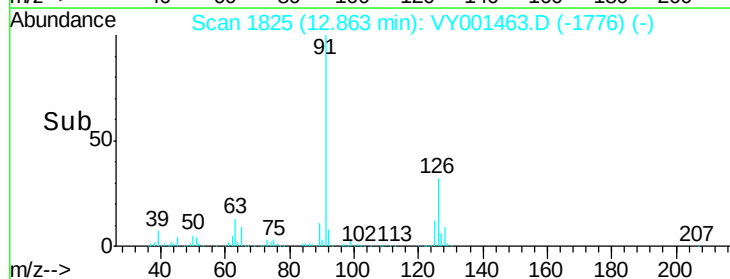
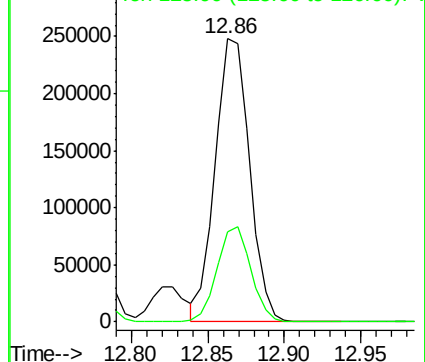
91 100

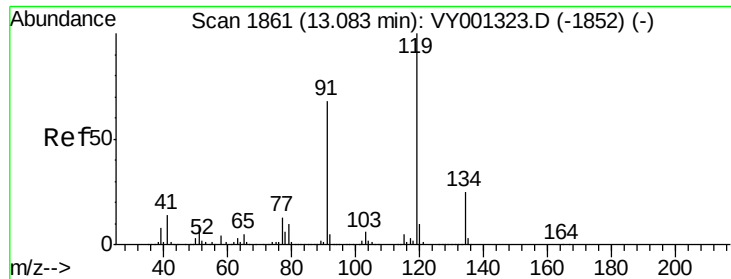
126 33.1 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): VY0

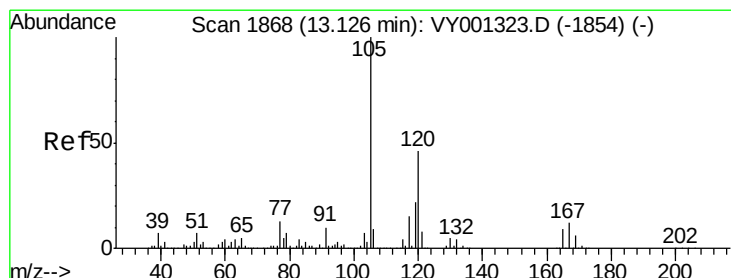
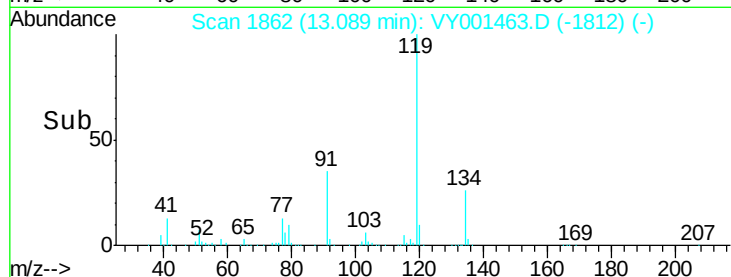
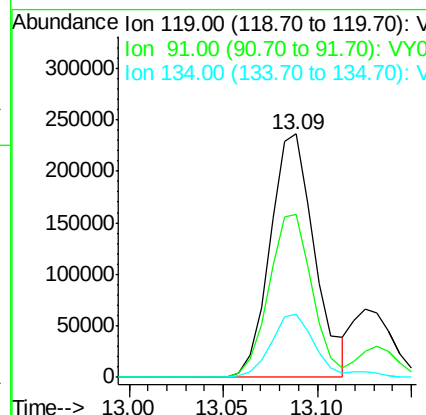
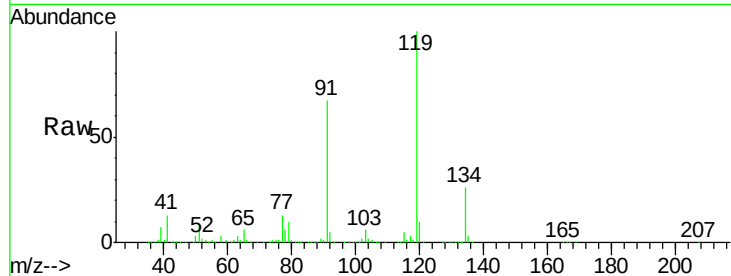




#83
 tert-Butylbenzene
 Concen: 50.91 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

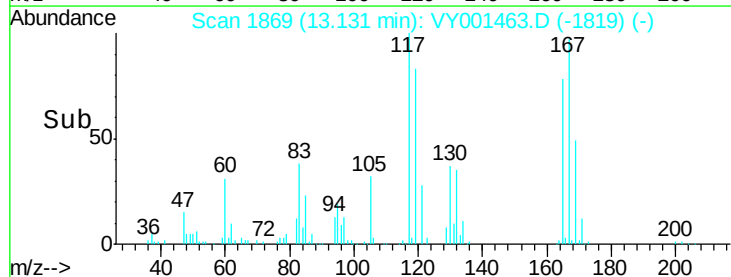
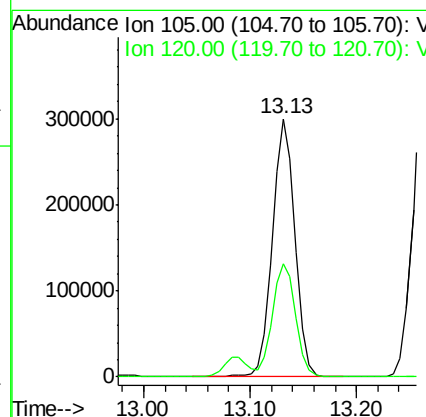
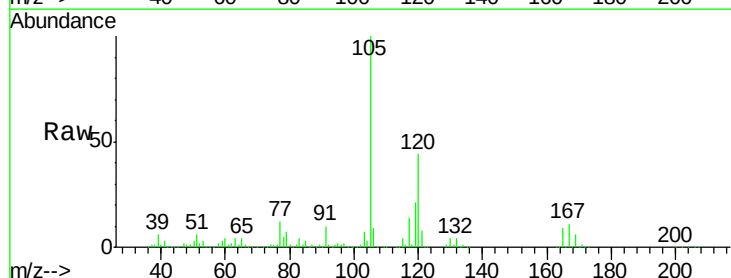
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

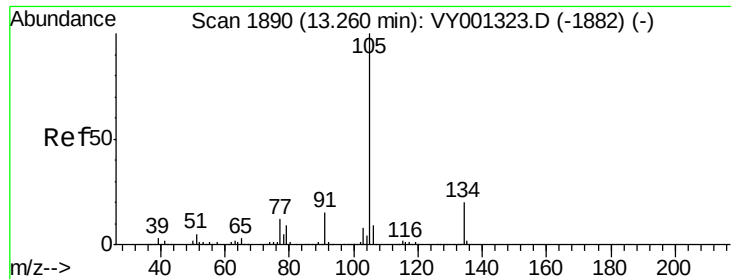
Tgt Ion:119 Resp: 385531
 Ion Ratio Lower Upper
 119 100
 91 65.0 33.0 99.0
 134 26.4 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.21 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion:105 Resp: 443847
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 51.20 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

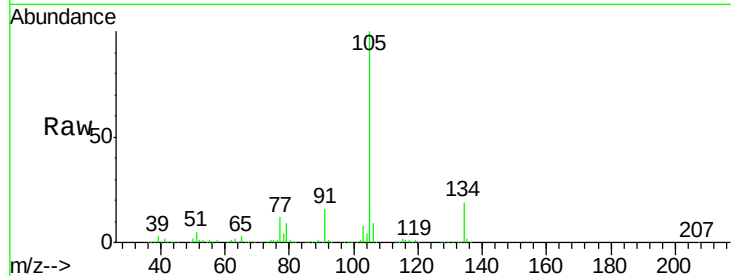
BFB

Tgt Ion:105 Resp: 550933

Ion Ratio Lower Upper

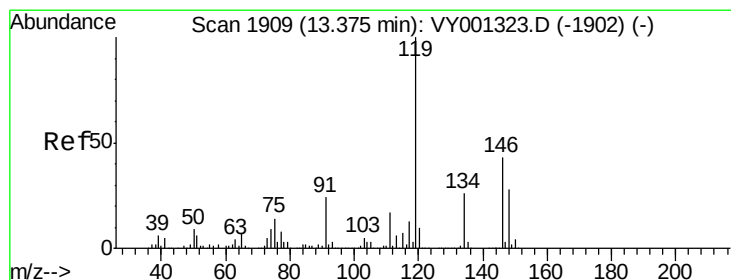
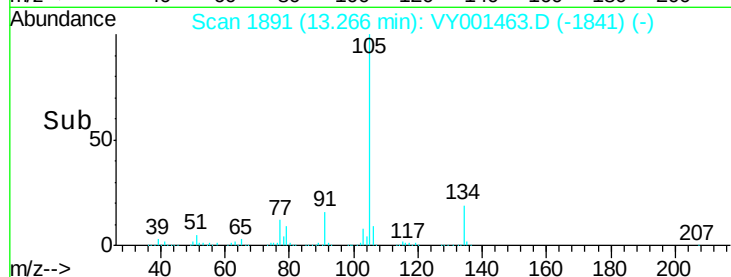
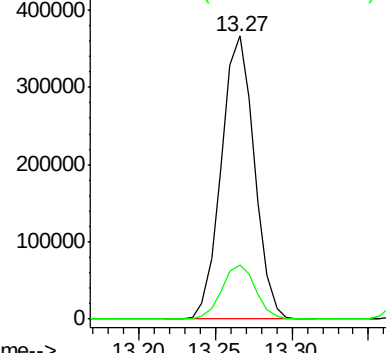
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.37 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

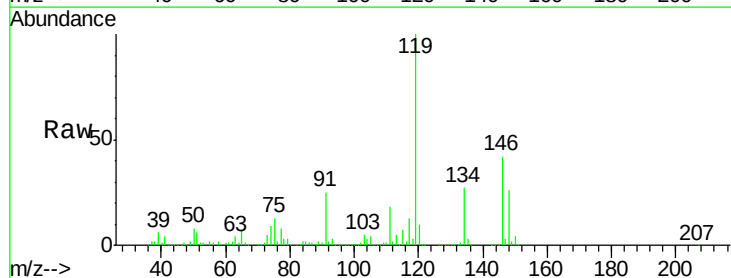
Tgt Ion:119 Resp: 477574

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

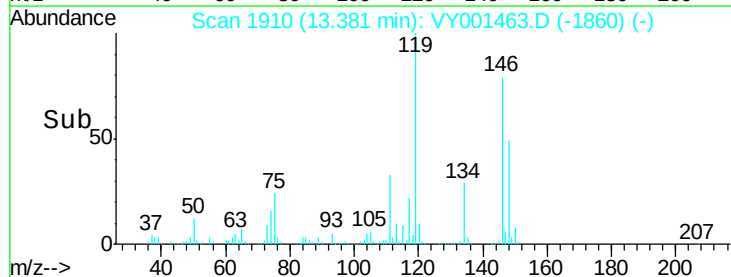
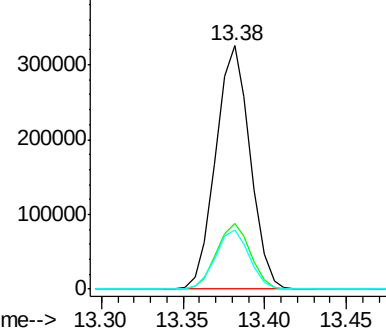
91 24.0 12.2 36.6

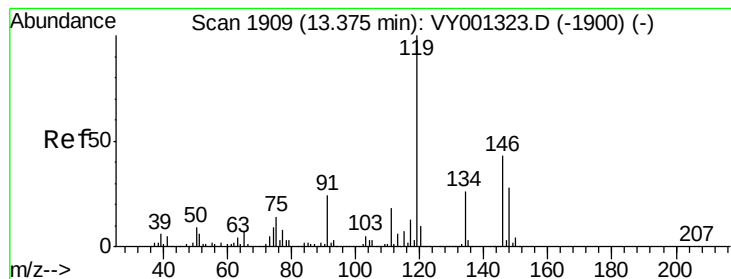


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 48.51 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

BFB

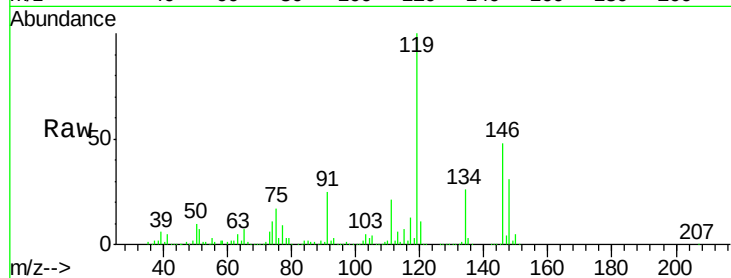
Tgt Ion:146 Resp: 222724

Ion Ratio Lower Upper

146 100

111 42.4 20.6 61.8

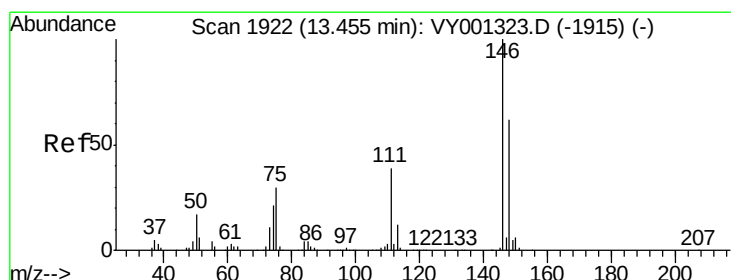
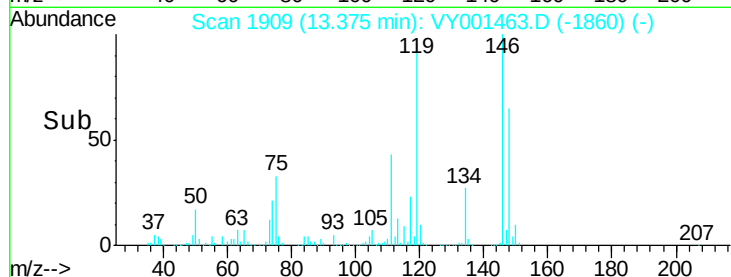
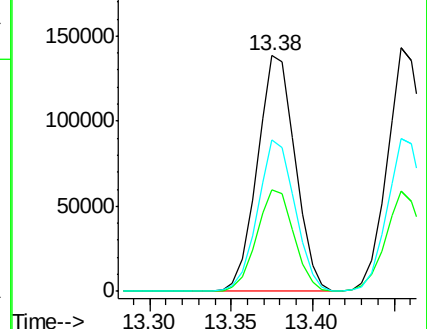
148 63.2 31.6 95.0



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



#88

1,4-Dichlorobenzene

Concen: 48.49 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

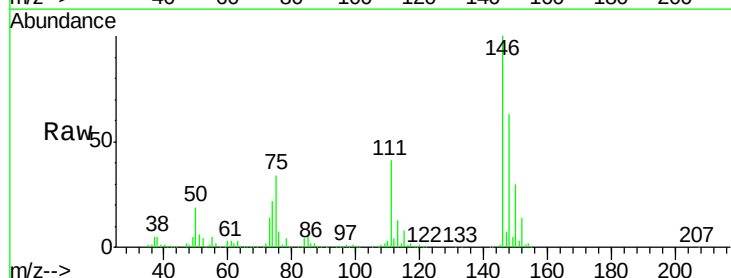
Tgt Ion:146 Resp: 226038

Ion Ratio Lower Upper

146 100

111 40.8 20.5 61.5

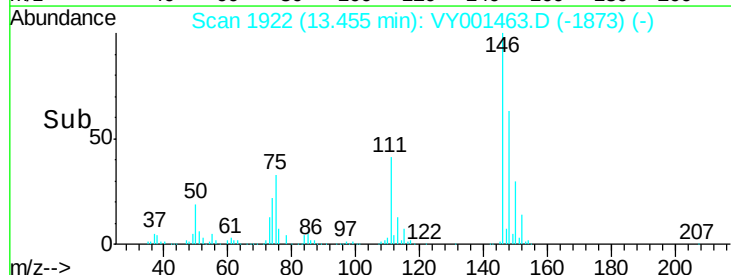
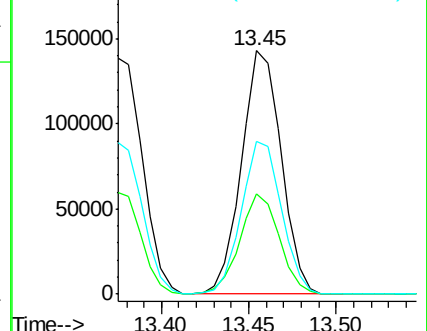
148 63.3 31.6 95.0

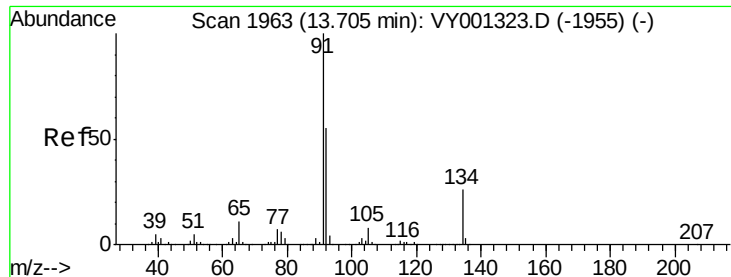


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.82 ug/l

RT: 13.71 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampled :

BFB

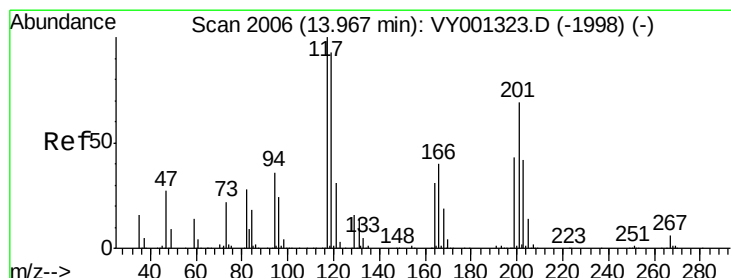
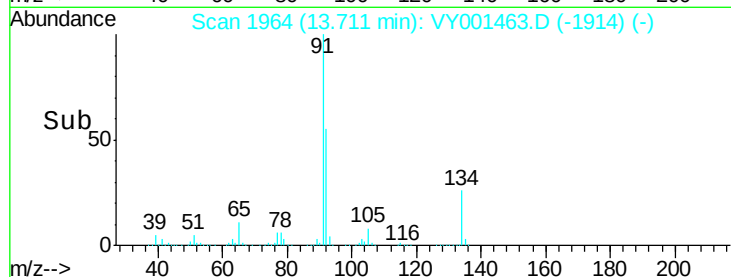
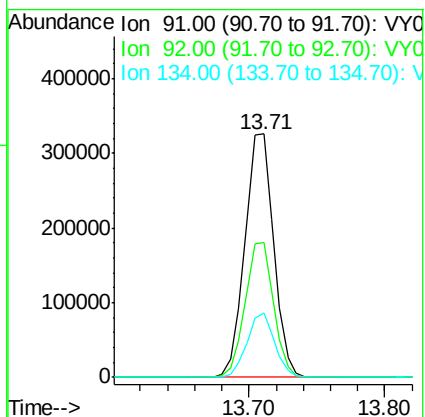
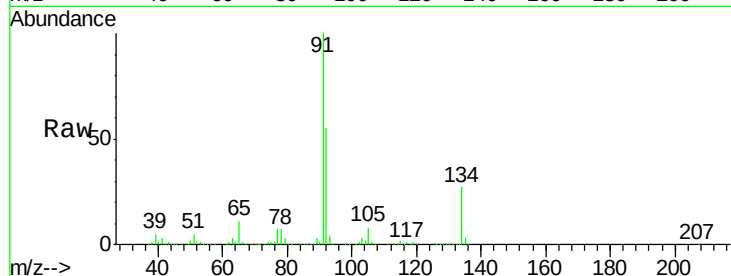
Tgt Ion: 91 Resp: 484931

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.8

134 25.4 12.9 38.6



#90

Hexachloroethane

Concen: 51.36 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY001463.D

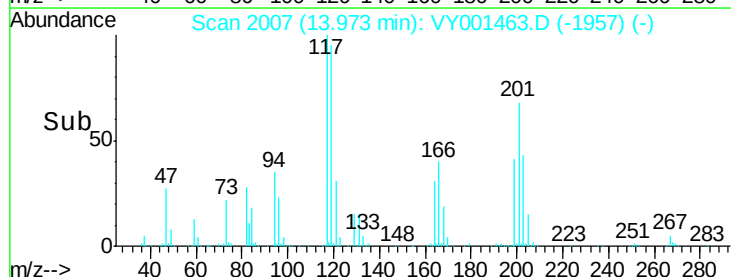
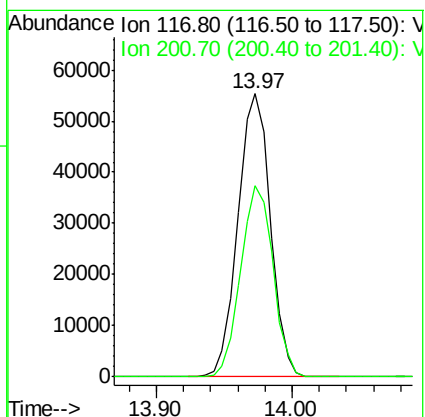
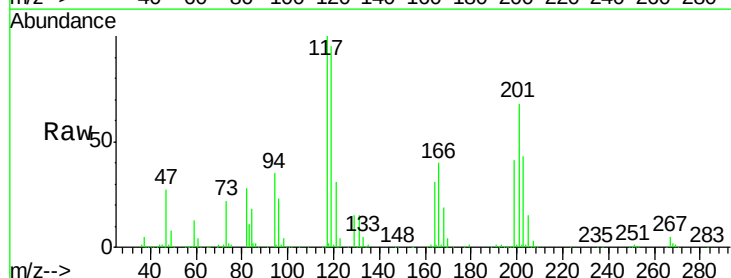
Acq: 03 Feb 2020 10:36

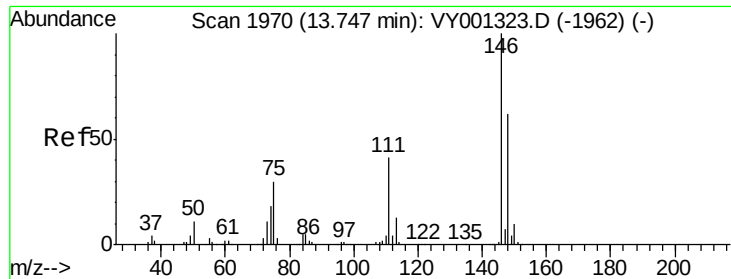
Tgt Ion: 117 Resp: 92304

Ion Ratio Lower Upper

117 100

201 67.5 34.6 103.8

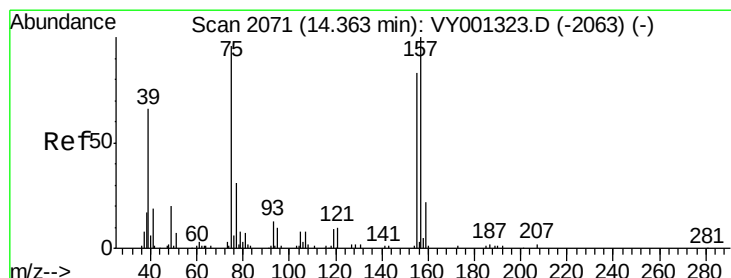
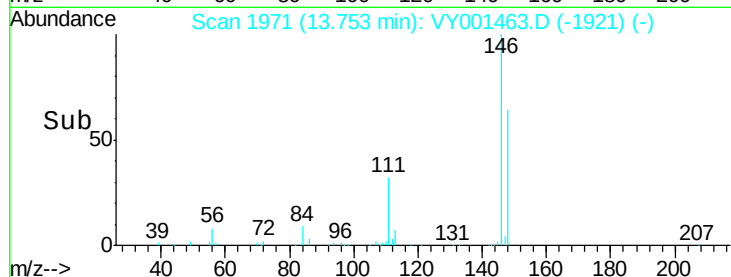
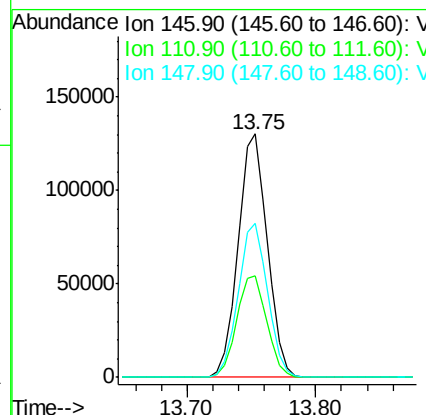
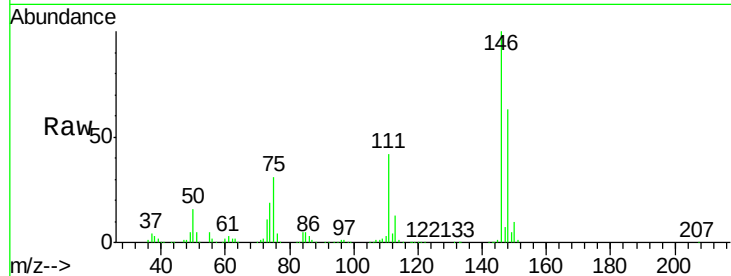




#91
 1,2-Dichlorobenzene
 Concen: 48.35 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

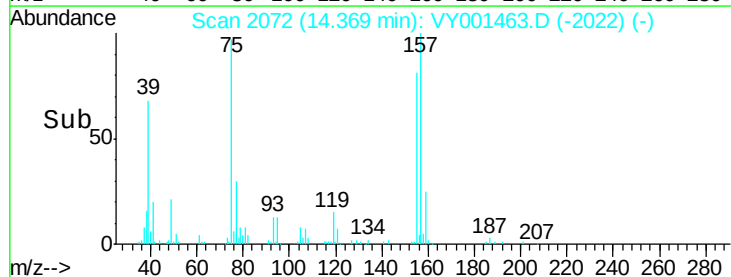
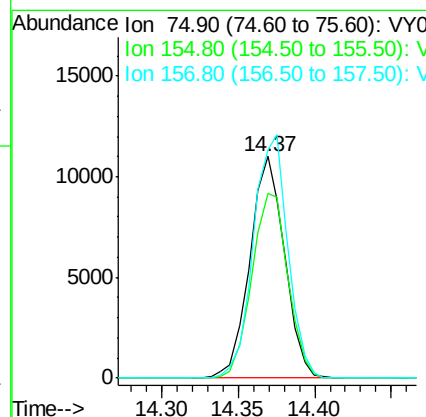
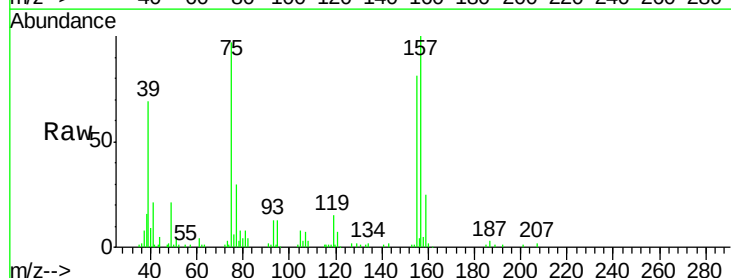
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

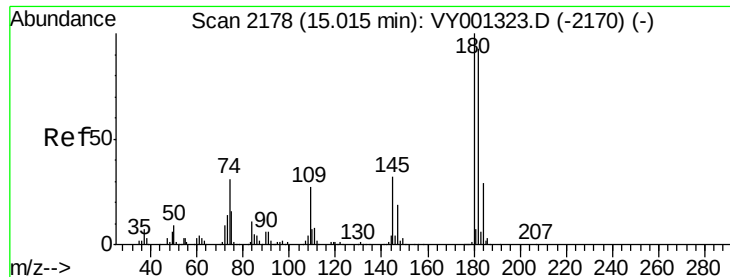
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.68 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	43.0	129.2
157	109.0	53.3	160.0

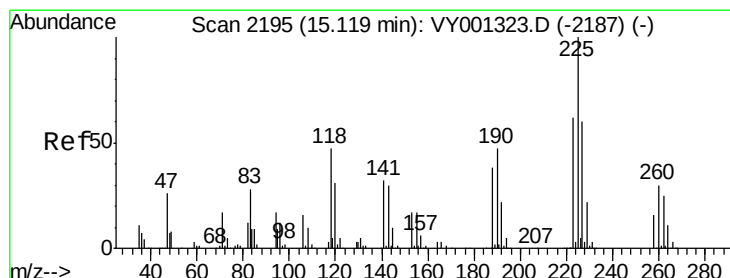
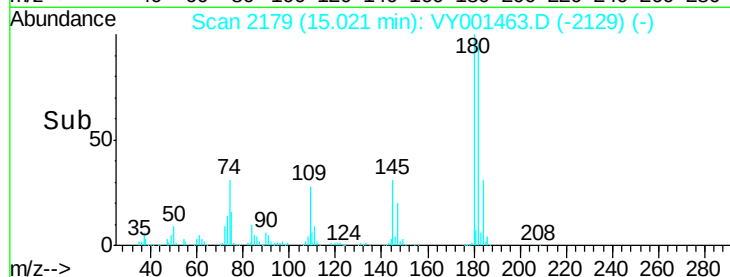
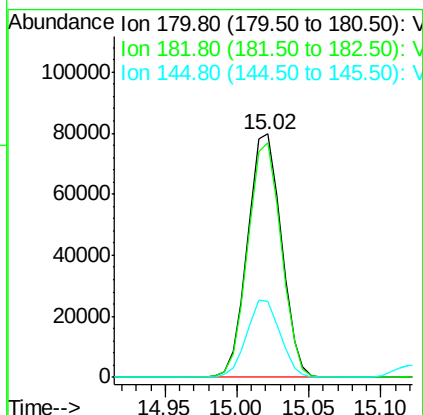
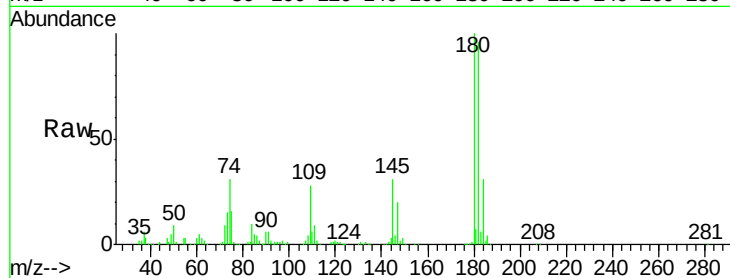




#93
 1,2,4-Trichlorobenzene
 Concen: 45.46 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

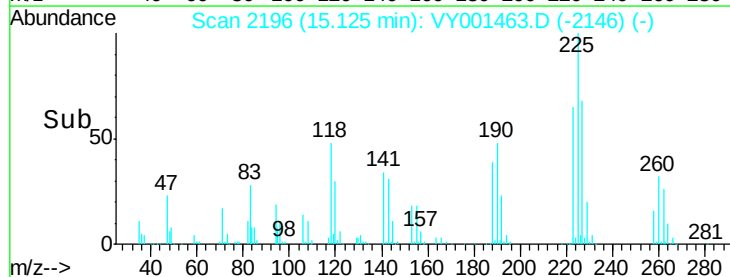
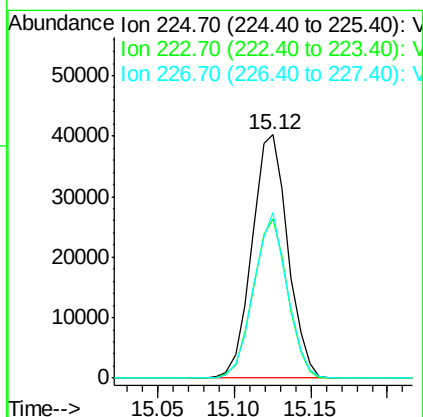
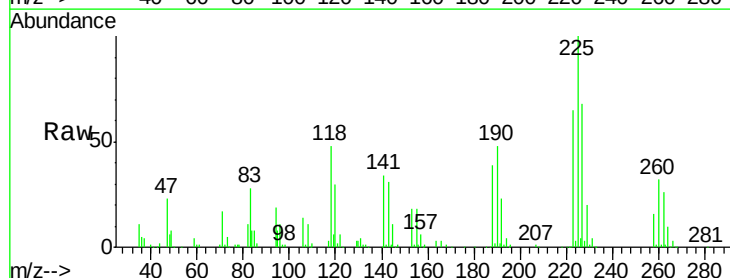
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

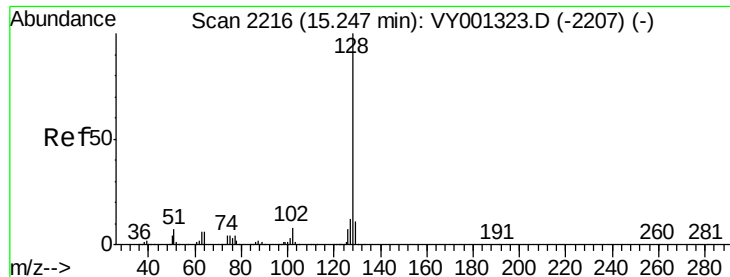
Tgt Ion:180 Resp: 129183
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.6 142.8
 145 31.4 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 47.33 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion:225 Resp: 65489
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.2 93.6
 227 63.4 31.0 93.0

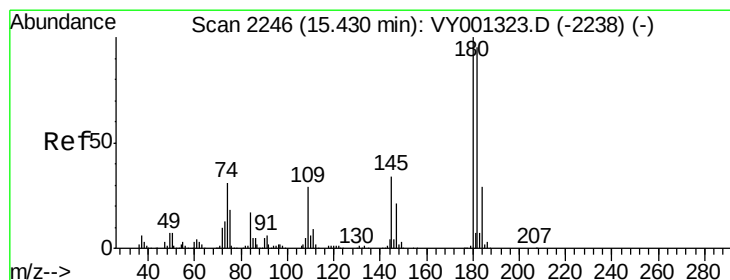
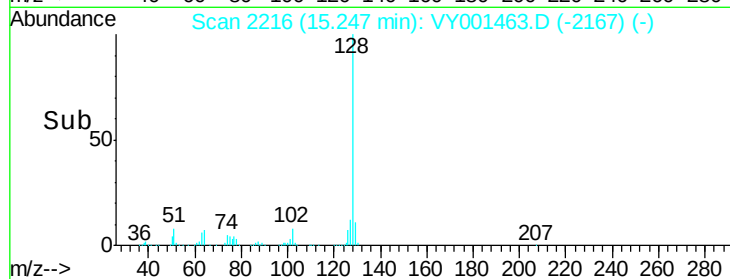
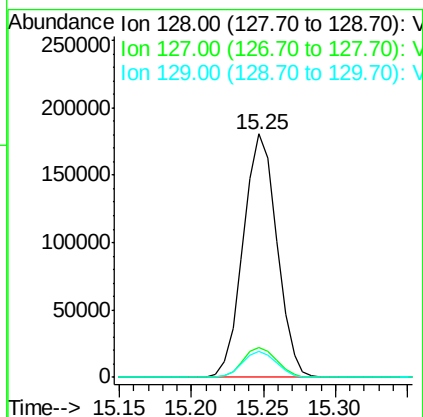
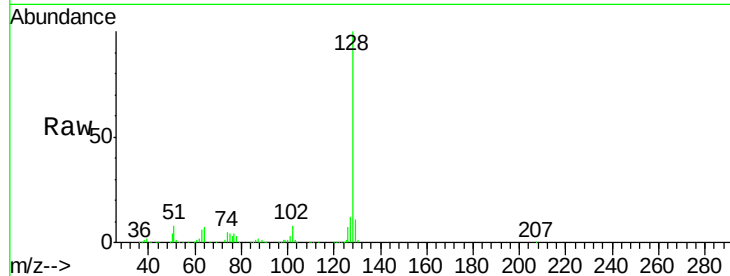




#95
Naphthalene
Concen: 45.02 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 45.58 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.8
145	33.6	16.8	50.3

