

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013120\
 Data File : VY001445.D
 Acq On : 31 Jan 2020 10:59
 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: Jan 31 13:24:35 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	186463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	328678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	291111	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	139476	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	101454	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.75	113	95395	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.20	98	391542	52.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.50	95	148353	49.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	63839	43.41	ug/l	99
3) Chloromethane	2.13	50	92282	41.52	ug/l	98
4) Vinyl Chloride	2.27	62	99658	43.01	ug/l	94
5) Bromomethane	2.68	94	65890	42.22	ug/l	99
6) Chloroethane	2.82	64	64786	43.75	ug/l	99
7) Trichlorofluoromethane	3.15	101	136700	46.11	ug/l	95
8) Diethyl Ether	3.57	74	53453	42.71	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	90640	48.00	ug/l	99
10) Methyl Iodide	4.13	142	108204	43.45	ug/l	99
11) Tert butyl alcohol	5.00	59	48708	185.99	ug/l	99
12) 1,1-Dichloroethene	3.91	96	88241	44.57	ug/l	95
13) Acrolein	3.77	56	41360	276.19	ug/l	100
14) Allyl chloride	4.52	41	160127	45.35	ug/l	99
15) Acrylonitrile	5.21	53	144019	224.79	ug/l	99
16) Acetone	3.99	43	150017	281.63	ug/l	97
17) Carbon Disulfide	4.23	76	256062	41.12	ug/l	100
18) Methyl Acetate	4.52	43	73323	42.85	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	255769	44.12	ug/l	99
20) Methylene Chloride	4.76	84	102528	40.08	ug/l	95
21) trans-1,2-Dichloroethene	5.27	96	100551	43.72	ug/l	98
22) Diisopropyl ether	6.16	45	337610	45.03	ug/l	99
23) Vinyl Acetate	6.10	43	1102399	226.50	ug/l	99
24) 1,1-Dichloroethane	6.07	63	178290	45.12	ug/l	97
25) 2-Butanone	7.03	43	210593	238.46	ug/l	98
26) 2,2-Dichloropropane	7.02	77	160298	45.54	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	115479	44.93	ug/l	99
28) Bromochloromethane	7.37	49	93639	57.46	ug/l	97
29) Tetrahydrofuran	7.38	42	125411	218.28	ug/l	99
30) Chloroform	7.54	83	172754	44.60	ug/l	100
31) Cyclohexane	7.82	56	174419	44.46	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	150845	46.12	ug/l	100
36) 1,1-Dichloropropene	7.95	75	141041	45.42	ug/l	99
37) Ethyl Acetate	7.11	43	83399	43.96	ug/l	100
38) Carbon Tetrachloride	7.94	117	128712	46.51	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	184038	46.27	ug/l	97
40) Benzene	8.19	78	419182	45.02	ug/l	100
41) Methacrylonitrile	7.38	41	116346	118.84	ug/l #	100
42) 1,2-Dichloroethane	8.27	62	114178	43.89	ug/l	100
43) Isopropyl Acetate	8.30	43	168067	45.56	ug/l	100
44) Trichloroethene	8.97	130	105311	44.08	ug/l	100
45) 1,2-Dichloropropane	9.24	63	108771	46.21	ug/l	97
46) Dibromomethane	9.33	93	56452	44.68	ug/l	97
47) Bromodichloromethane	9.52	83	137033	45.37	ug/l	99
48) Methyl methacrylate	9.32	41	74597	44.48	ug/l	98
49) 1,4-Dioxane	9.33	88	14674	823.50	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	432780	227.80	ug/l	99
52) Toluene	10.27	92	270388	45.81	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	153194	45.76	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	175506	45.67	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	84349	45.23	ug/l	98
56) Ethyl methacrylate	10.53	69	128566	45.61	ug/l	98
57) 1,3-Dichloropropane	10.81	76	147529	45.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	215427	220.86	ug/l	100
59) 2-Hexanone	10.85	43	325146	245.84	ug/l	100
60) Dibromochloromethane	11.00	129	94069	45.10	ug/l	99
61) 1,2-Dibromoethane	11.11	107	80095	45.43	ug/l	100
64) Tetrachloroethene	10.74	164	85073	45.75	ug/l	97
65) Chlorobenzene	11.53	112	277238	45.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	97474	46.55	ug/l	100
67) Ethyl Benzene	11.61	91	522197	46.18	ug/l	98
68) m/p-Xylenes	11.72	106	390124	92.37	ug/l	100
69) o-Xylene	12.05	106	185990	45.78	ug/l	100
70) Styrene	12.06	104	330299	46.33	ug/l	99
71) Bromoform	12.22	173	56275	45.02	ug/l #	99
73) Isopropylbenzene	12.35	105	508498	46.20	ug/l	99
74) N-amyl acetate	12.16	43	164505	45.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	108633	46.09	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	142783	84.95	ug/l #	100
77) Bromobenzene	12.63	156	109361	44.86	ug/l	98
78) n-propylbenzene	12.69	91	620063	46.81	ug/l	100
79) 2-Chlorotoluene	12.77	91	344404	45.51	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	424721	46.23	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	40798	45.94	ug/l	98
82) 4-Chlorotoluene	12.87	91	362162	44.80	ug/l	100
83) tert-Butylbenzene	13.09	119	356582	46.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	421361	45.68	ug/l	99
85) sec-Butylbenzene	13.27	105	523902	47.62	ug/l	100
86) p-Isopropyltoluene	13.38	119	457494	47.19	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	213222	45.42	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	214799	45.06	ug/l	99
89) n-Butylbenzene	13.71	91	464154	47.57	ug/l	99
90) Hexachloroethane	13.97	117	88096	47.93	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	194340	44.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	18357	45.13	ug/l	96

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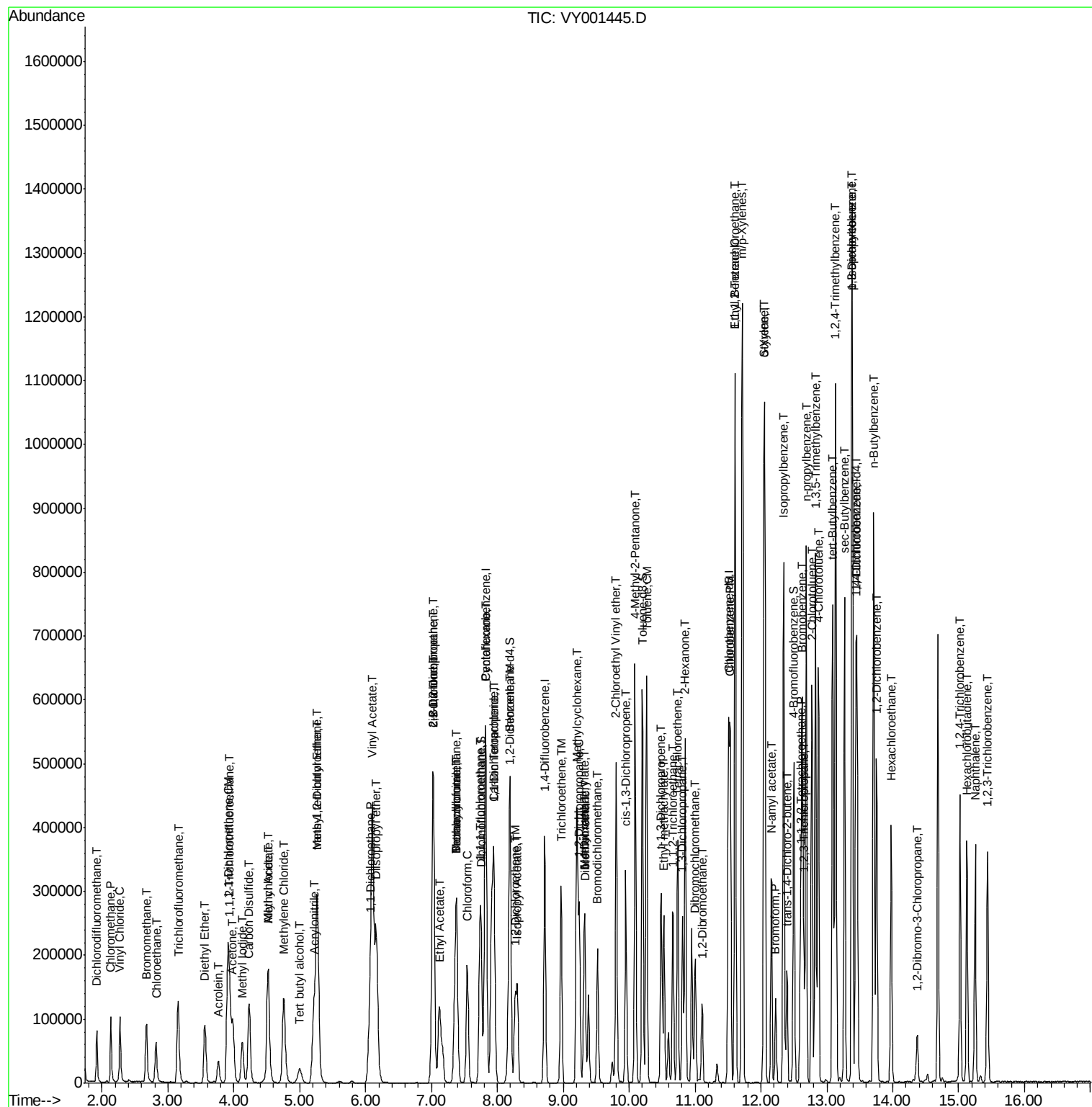
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	128764	44.31	ug/l	100
94) Hexachlorobutadiene	15.13	225	64110	45.31	ug/l	97
95) Naphthalene	15.25	128	303015	45.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	113934	44.70	ug/l	99

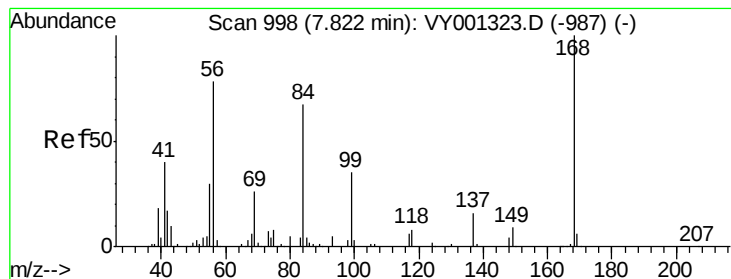
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

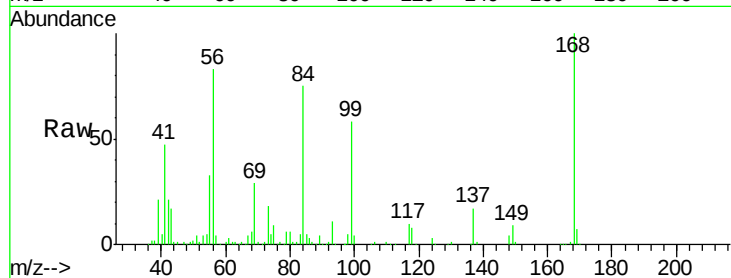
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Tgt Ion:168 Resp: 186463

Ion Ratio Lower Upper

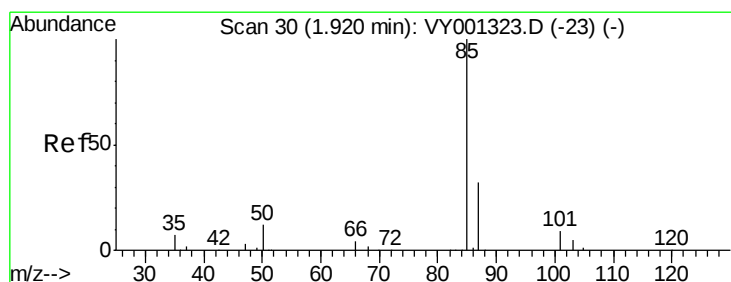
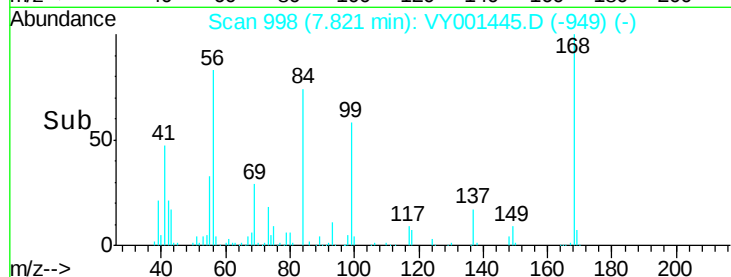
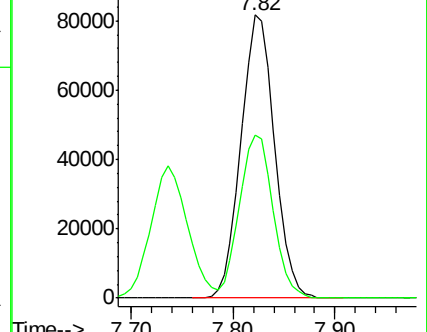
168 100

99 57.6 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 43.41 ug/l

RT: 1.92 min Scan# 30

Delta R.T. -0.00 min

Lab File: VY001445.D

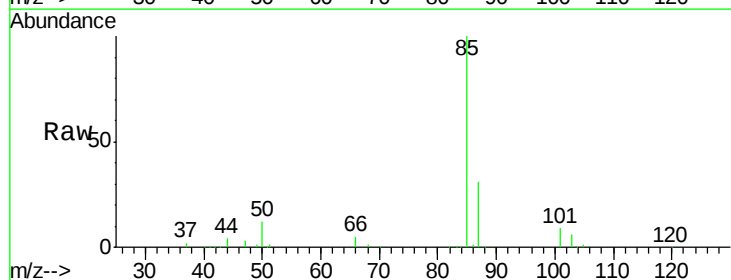
Acq: 31 Jan 2020 10:59

Tgt Ion: 85 Resp: 63839

Ion Ratio Lower Upper

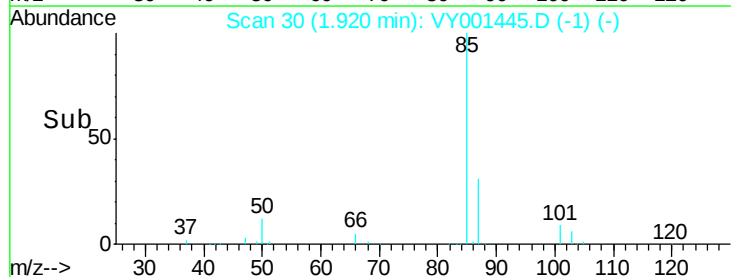
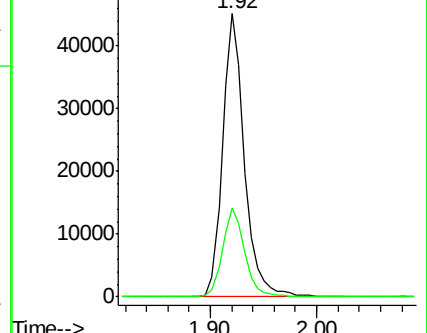
85 100

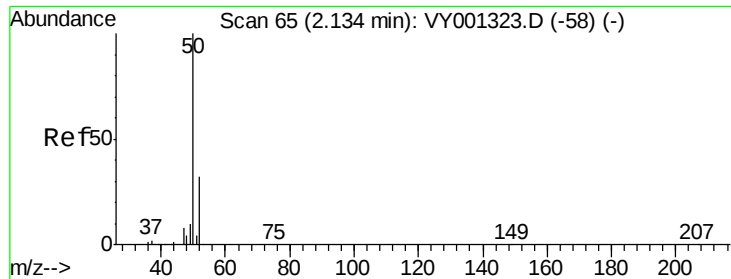
87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

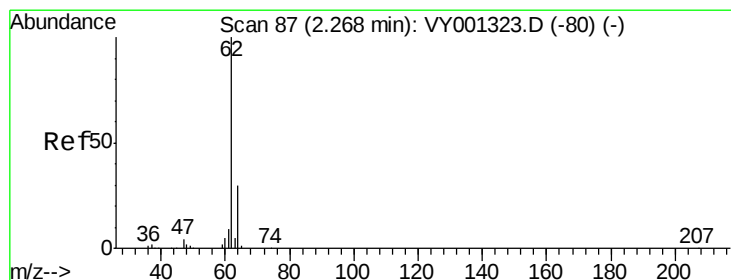
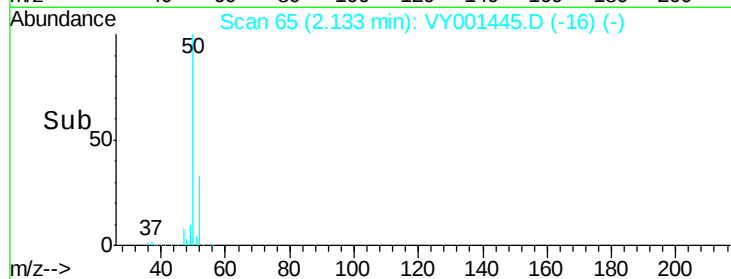
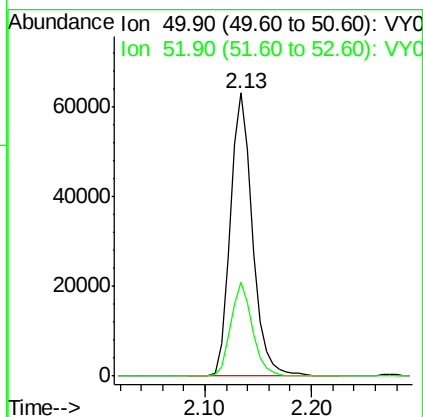
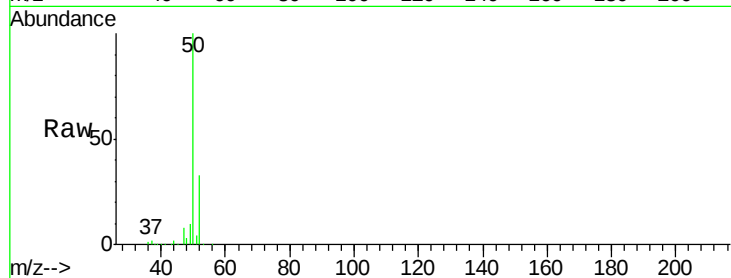




#3
Chloromethane
Concen: 41.52 ug/l
RT: 2.13 min Scan# 65
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

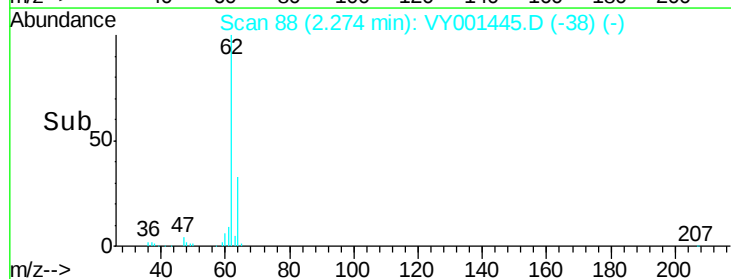
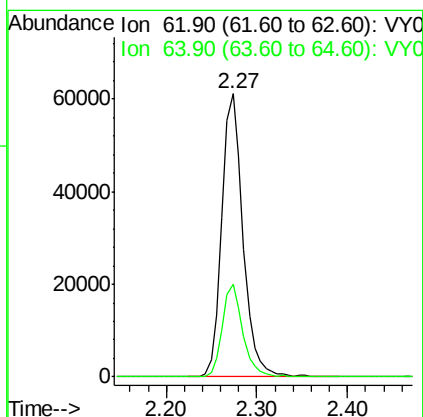
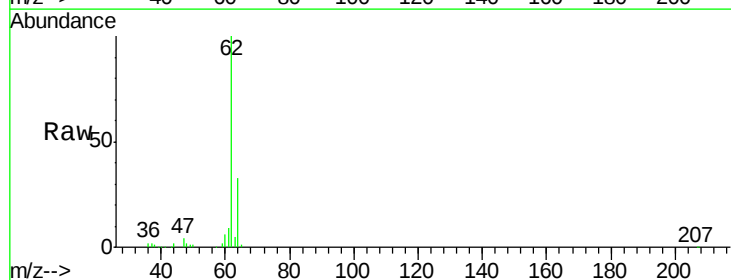
Instrument :
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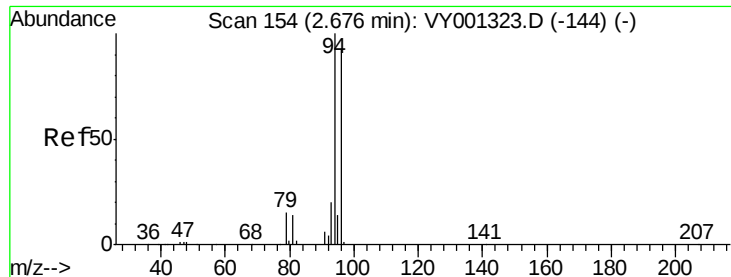
Tgt Ion: 50 Resp: 92282
Ion Ratio Lower Upper
50 100
52 33.0 25.7 38.5



#4
Vinyl Chloride
Concen: 43.01 ug/l
RT: 2.27 min Scan# 88
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 62 Resp: 99658
Ion Ratio Lower Upper
62 100
64 32.9 23.9 35.9





#5

Bromomethane

Concen: 42.22 ug/l

RT: 2.68 min Scan# 154

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

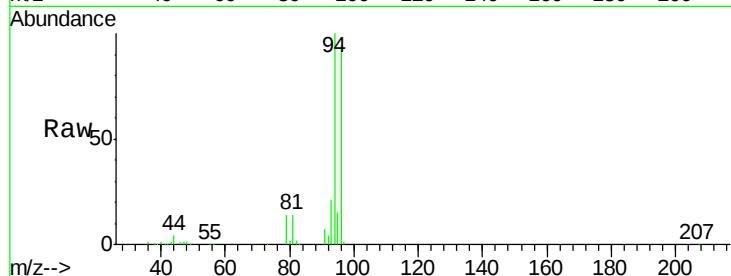
BFB

Tgt Ion: 94 Resp: 65890

Ion Ratio Lower Upper

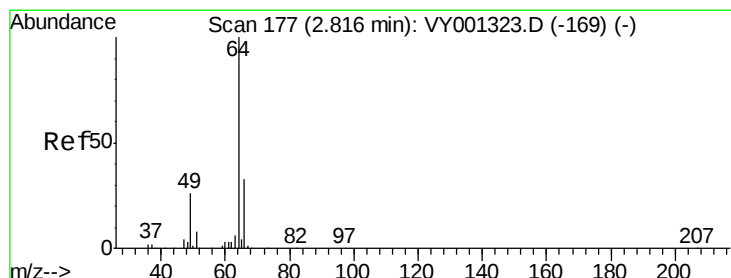
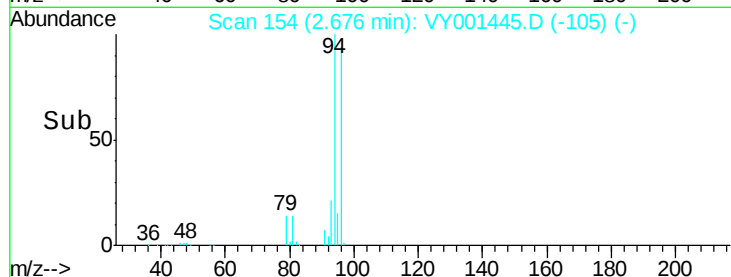
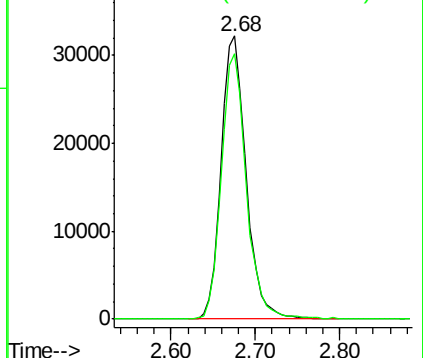
94 100

96 94.0 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 43.75 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001445.D

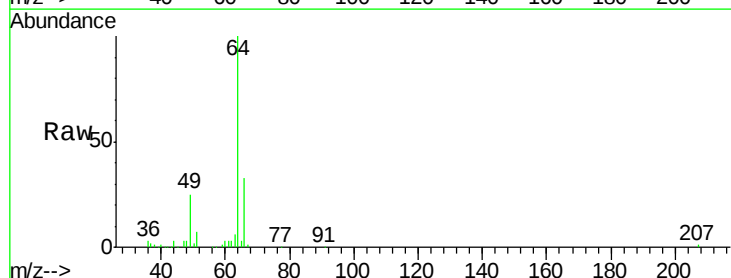
Acq: 31 Jan 2020 10:59

Tgt Ion: 64 Resp: 64786

Ion Ratio Lower Upper

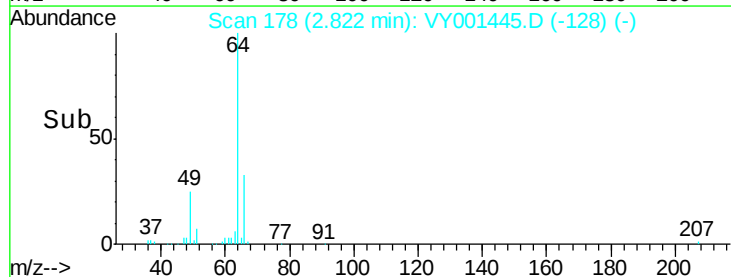
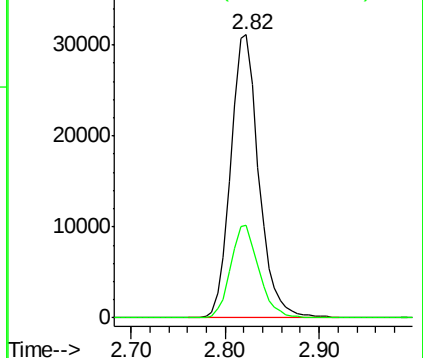
64 100

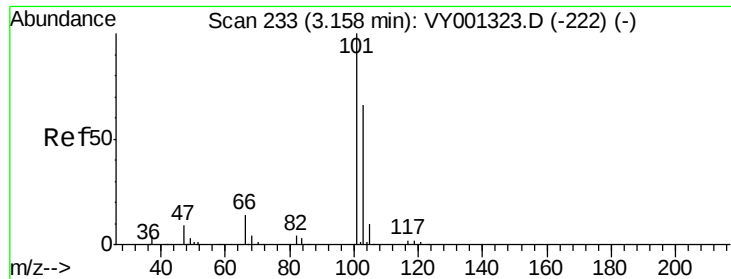
66 32.8 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



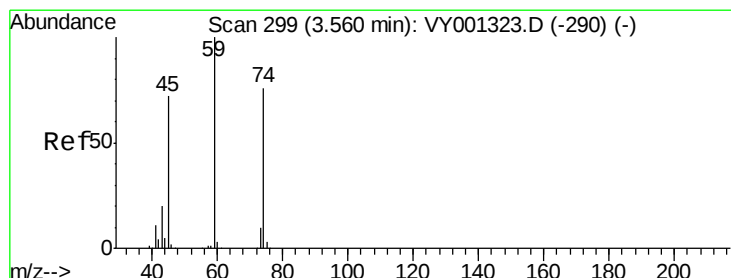
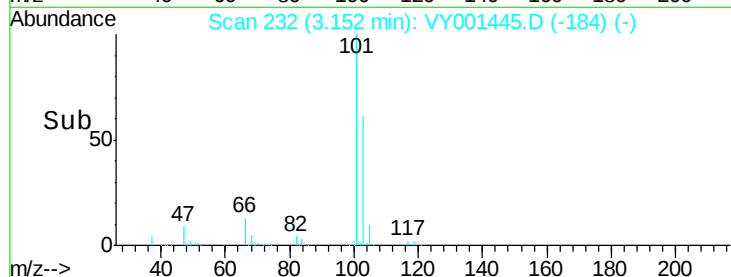
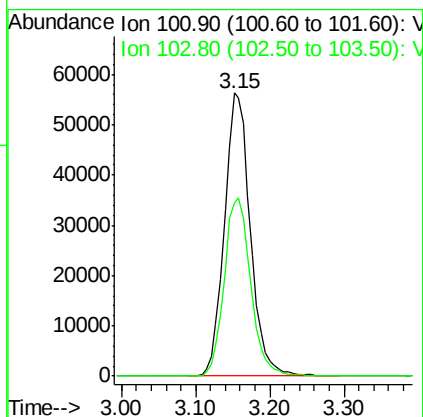
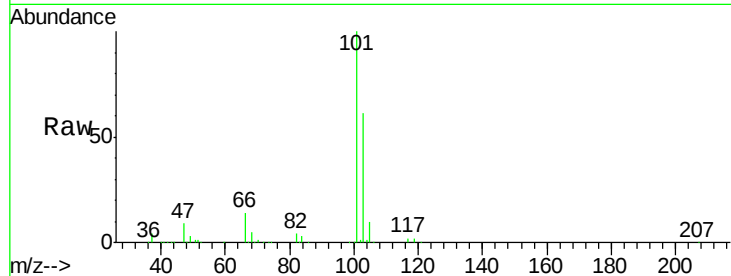


#7

Trichlorofluoromethane
 Concen: 46.11 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VY001445.D
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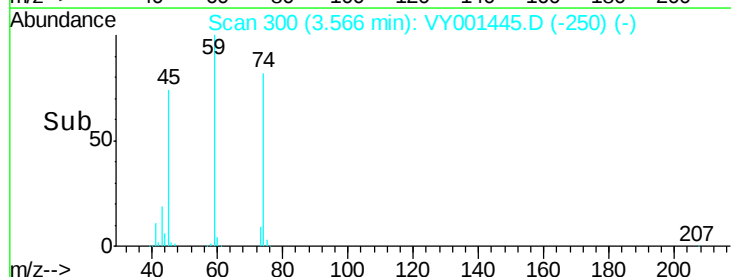
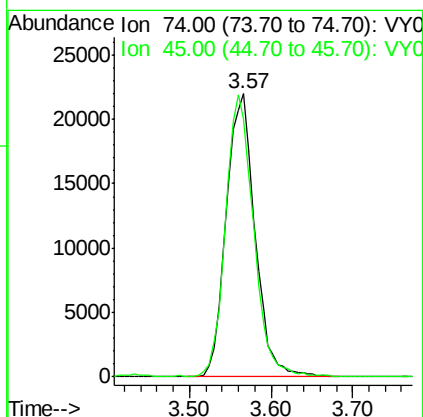
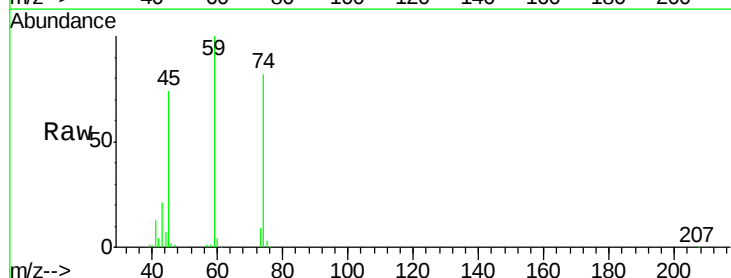
Tgt Ion:101 Resp: 136700
 Ion Ratio Lower Upper
 101 100
 103 61.3 52.5 78.7



#8

Diethyl Ether
 Concen: 42.71 ug/l
 RT: 3.57 min Scan# 300
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 74 Resp: 53453
 Ion Ratio Lower Upper
 74 100
 45 97.4 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.00 ug/l

RT: 3.94 min Scan# 361

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

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ClientSampleId :

BFB

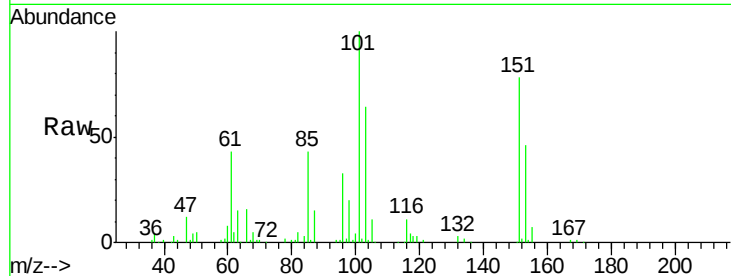
Tgt Ion:101 Resp: 90640

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

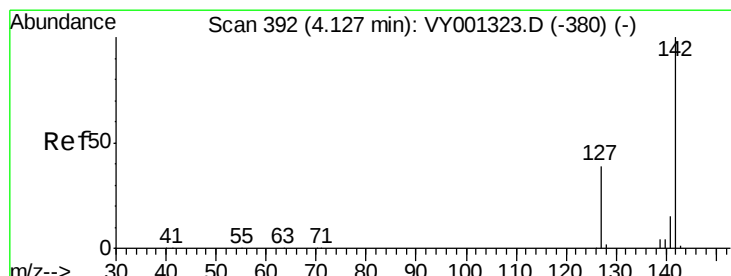
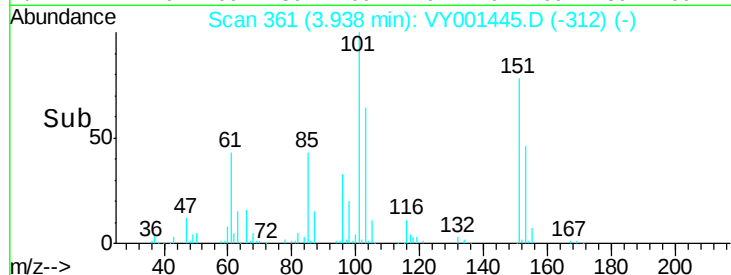
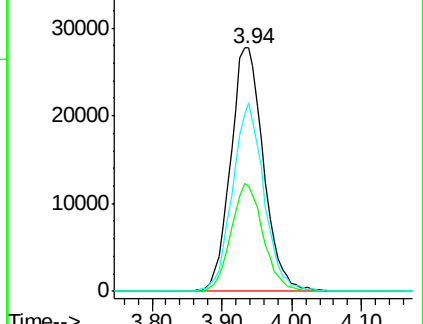
151 74.4 59.9 89.9



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: 43.45 ug/l

RT: 4.13 min Scan# 393

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

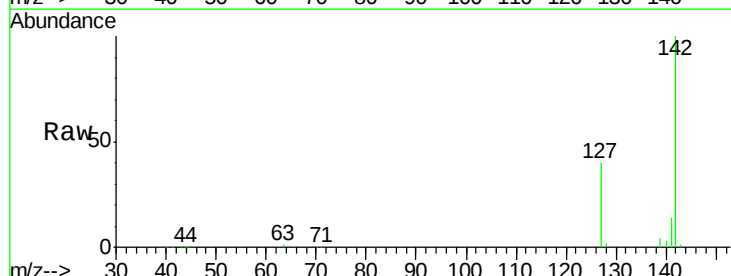
Tgt Ion:142 Resp: 108204

Ion Ratio Lower Upper

142 100

127 40.2 31.6 47.4

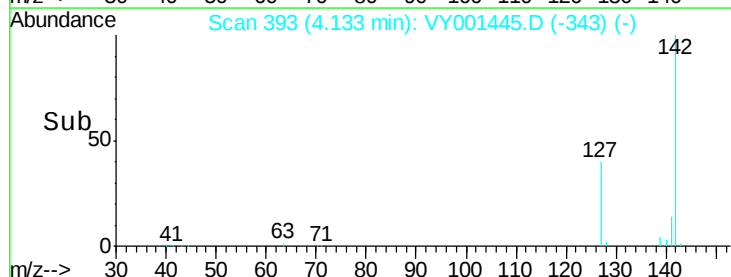
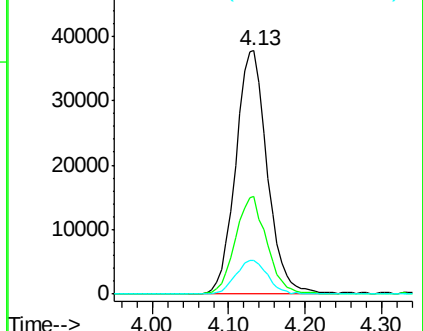
141 14.2 11.2 16.8

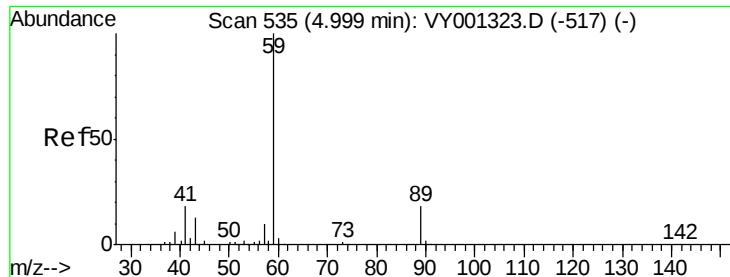


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

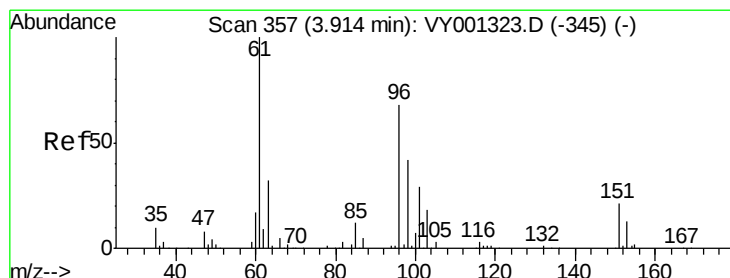
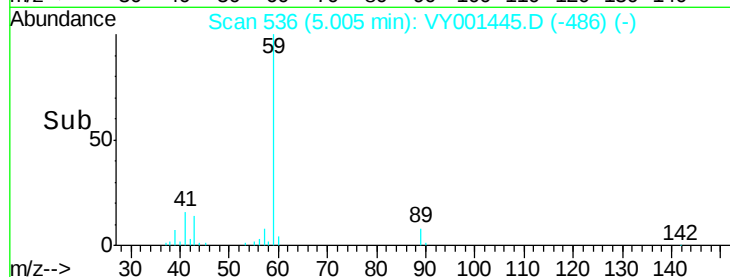
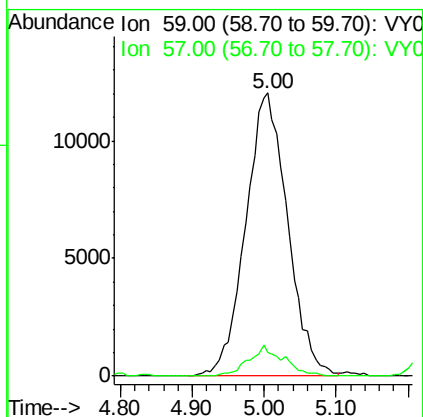
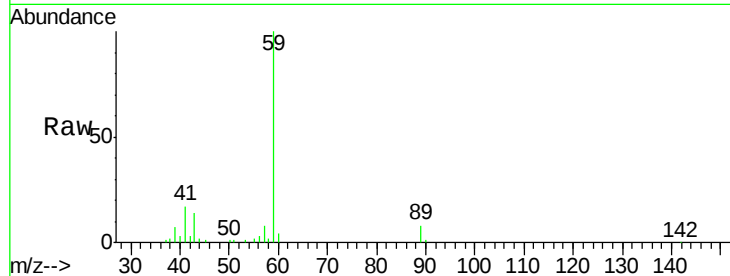




#11
Tert butyl alcohol
Concen: 185.99 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

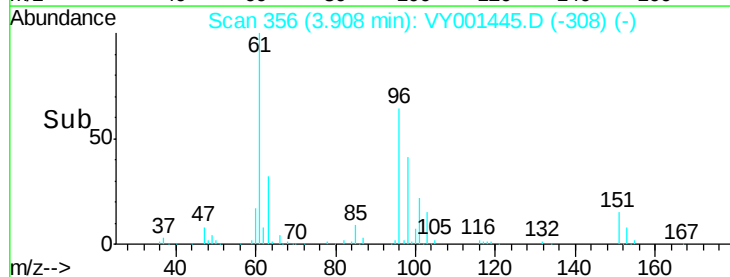
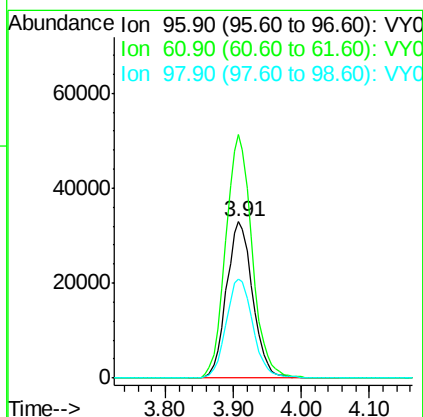
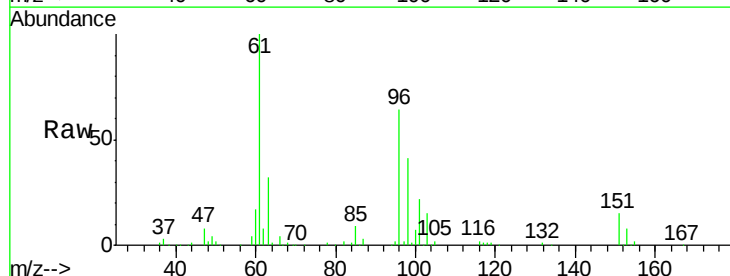
Instrument :
MSVOA_Y
ClientSampled :
BFB

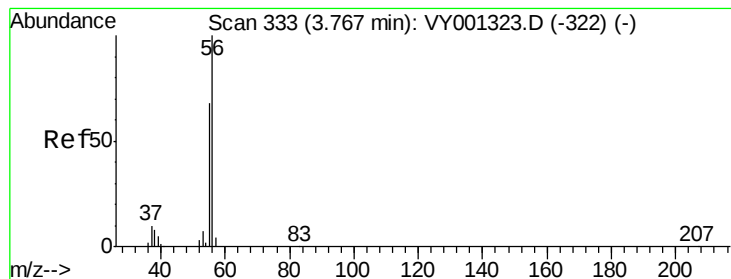
Tgt Ion: 59 Resp: 48708
Ion Ratio Lower Upper
59 100
57 9.0 7.4 11.2



#12
1,1-Dichloroethene
Concen: 44.57 ug/l
RT: 3.91 min Scan# 356
Delta R.T. -0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 96 Resp: 88241
Ion Ratio Lower Upper
96 100
61 155.8 118.0 177.0
98 63.6 49.4 74.2





#13

Acrolein

Concen: 276.19 ug/l

RT: 3.77 min Scan# 333

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

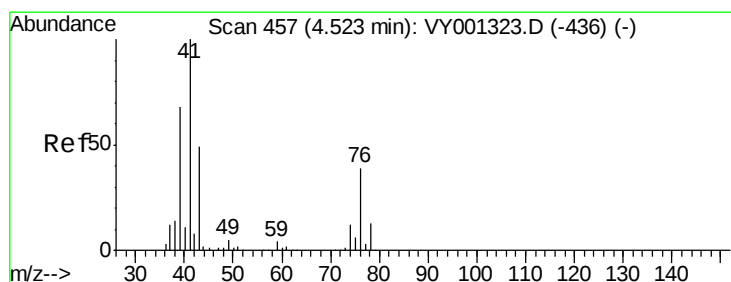
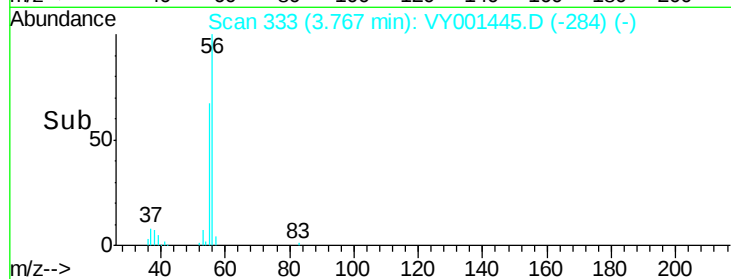
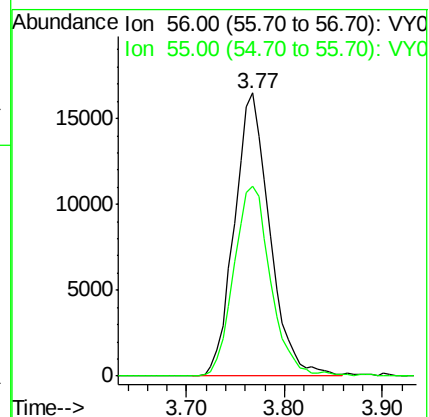
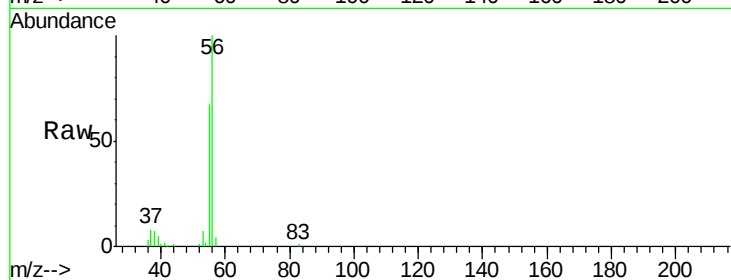
BFB

Tgt Ion: 56 Resp: 41360

Ion Ratio Lower Upper

56 100

55 70.0 55.9 83.9



#14

Allyl chloride

Concen: 45.35 ug/l

RT: 4.52 min Scan# 457

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

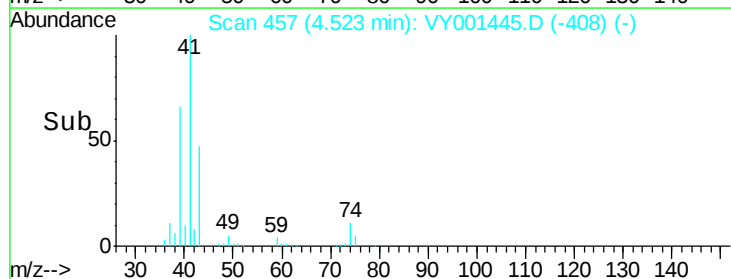
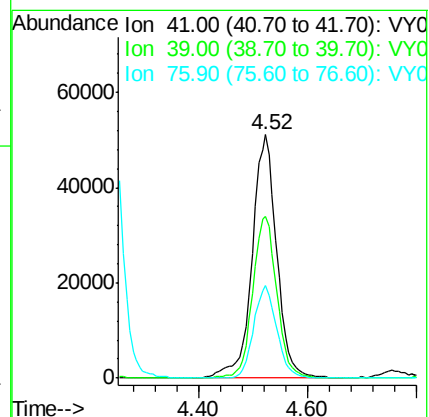
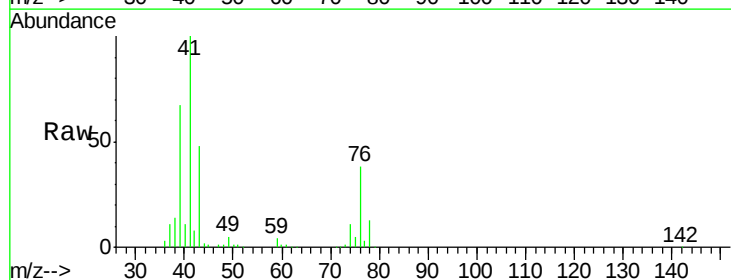
Tgt Ion: 41 Resp: 160127

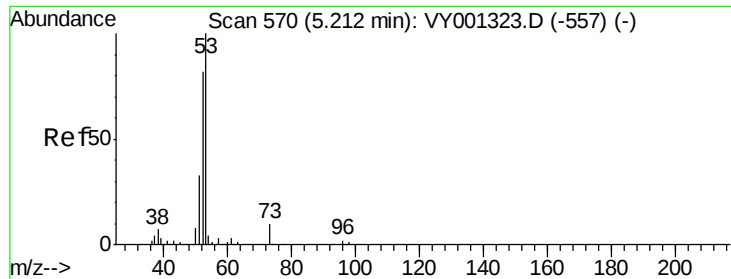
Ion Ratio Lower Upper

41 100

39 65.2 52.2 78.4

76 35.7 29.1 43.7





#15

Acrylonitrile

Concen: 224.79 ug/l

RT: 5.21 min Scan# 570

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

BFB

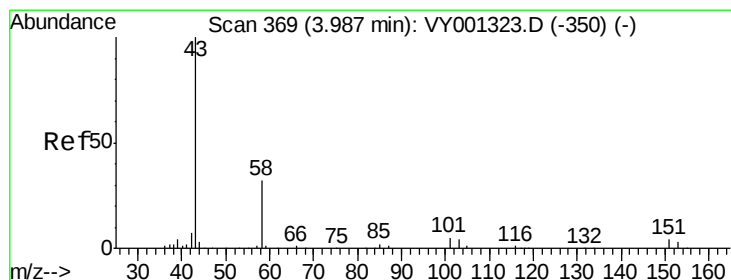
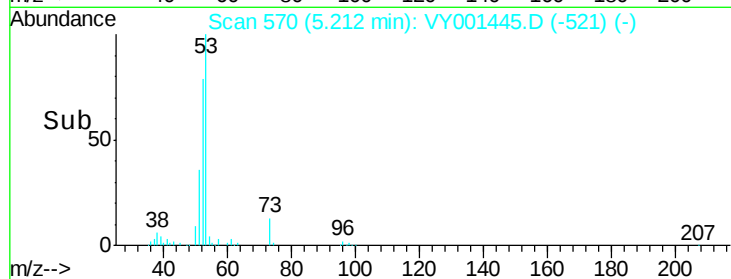
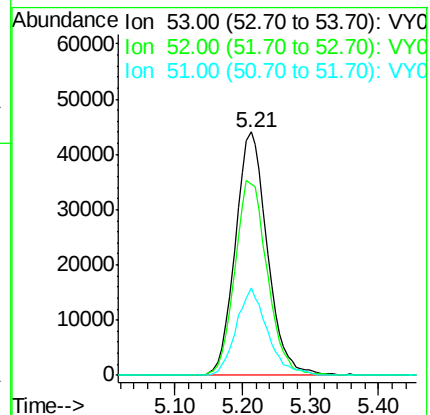
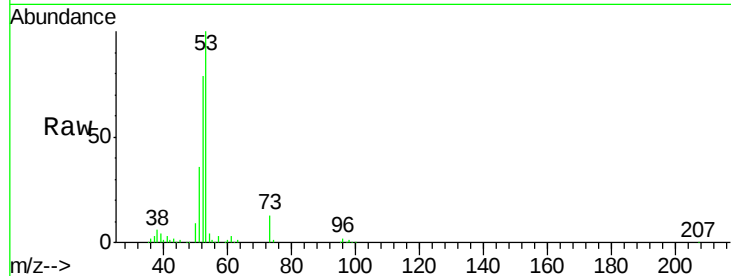
Tgt Ion: 53 Resp: 144019

Ion Ratio Lower Upper

53 100

52 80.9 65.3 97.9

51 35.3 28.4 42.6



#16

Acetone

Concen: 281.63 ug/l

RT: 3.99 min Scan# 369

Delta R.T. -0.00 min

Lab File: VY001445.D

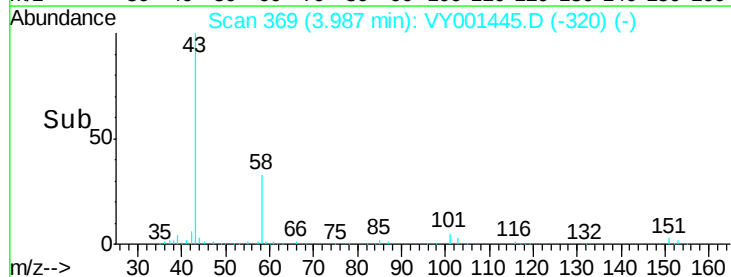
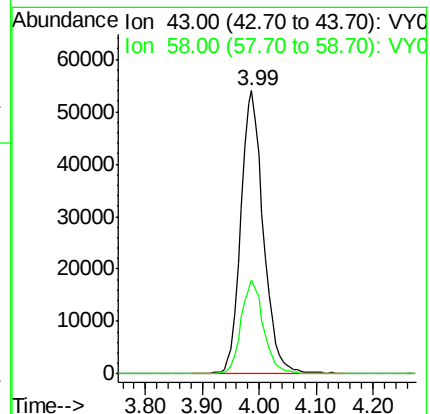
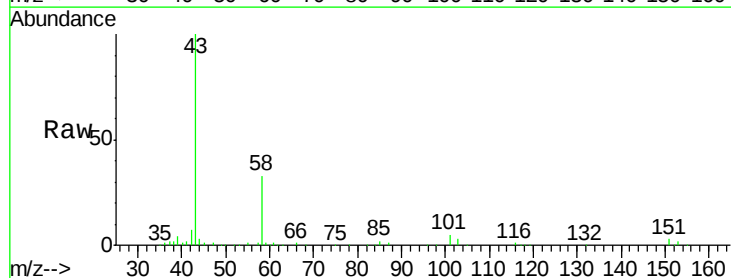
Acq: 31 Jan 2020 10:59

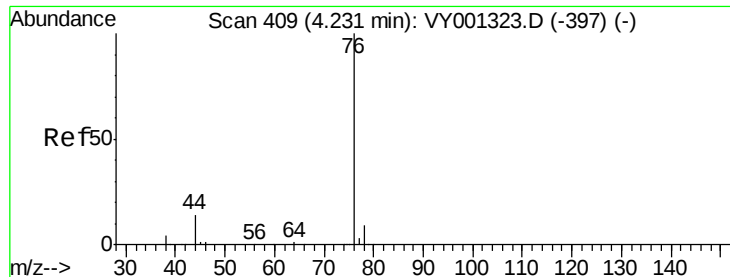
Tgt Ion: 43 Resp: 150017

Ion Ratio Lower Upper

43 100

58 33.2 25.4 38.0

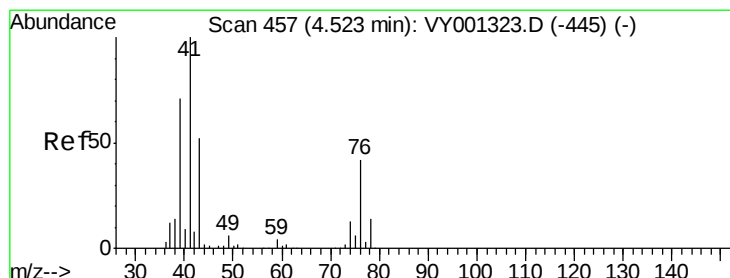
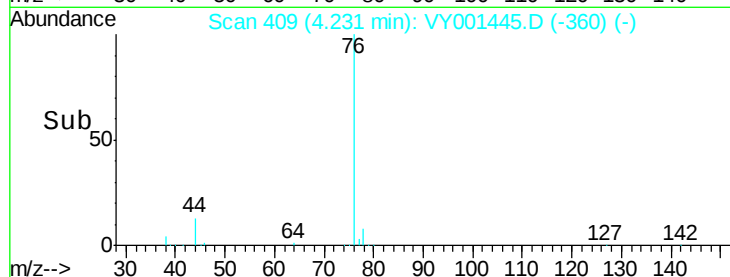
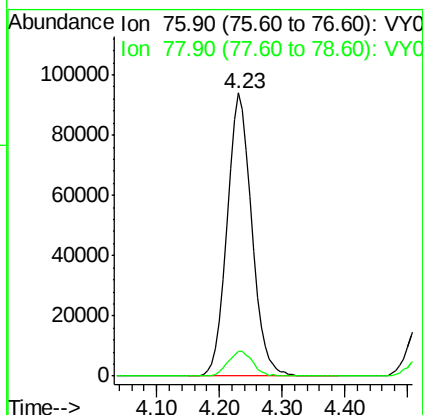
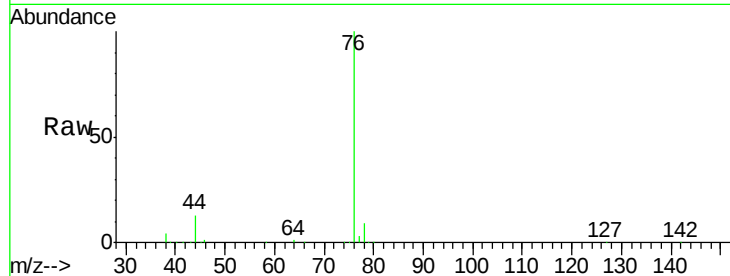




#17
Carbon Disulfide
Concen: 41.12 ug/l
RT: 4.23 min Scan# 409
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

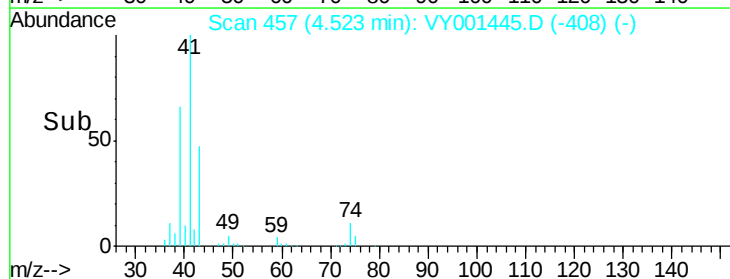
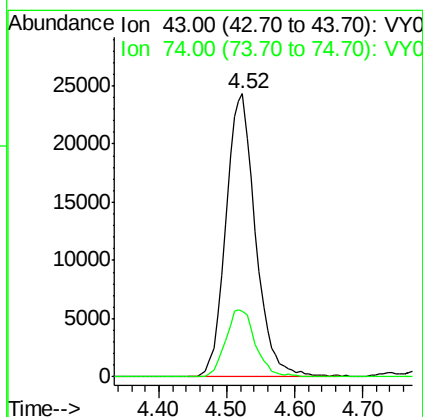
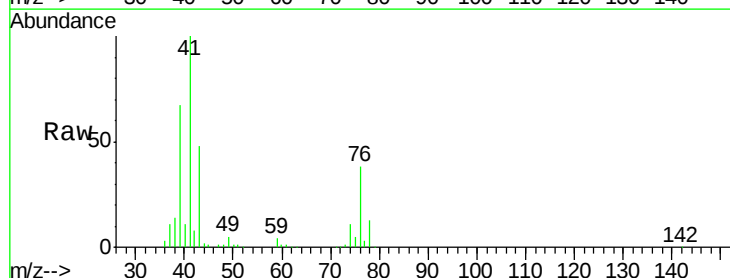
Instrument :
MSVOA_Y
ClientSampleId :
BFB

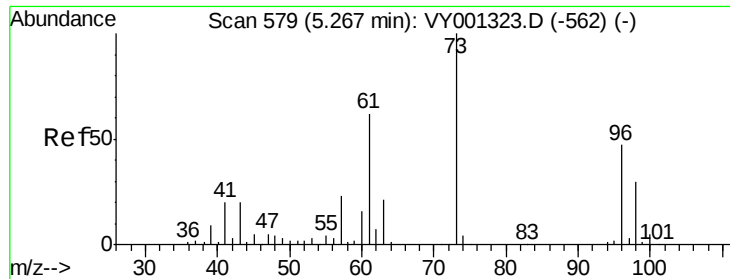
Tgt Ion: 76 Resp: 256062
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 42.85 ug/l
RT: 4.52 min Scan# 457
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 43 Resp: 73323
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2

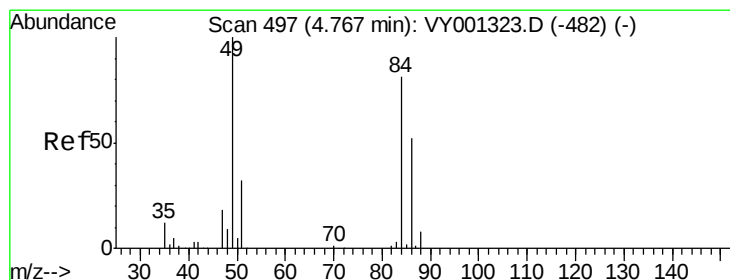
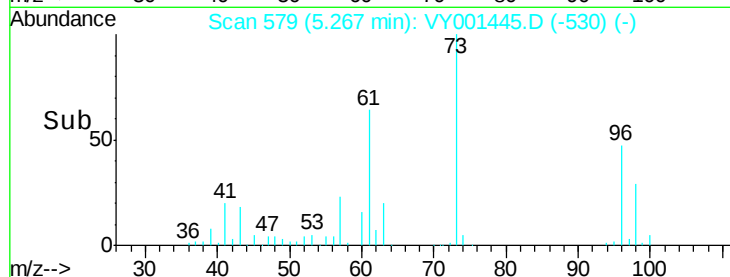
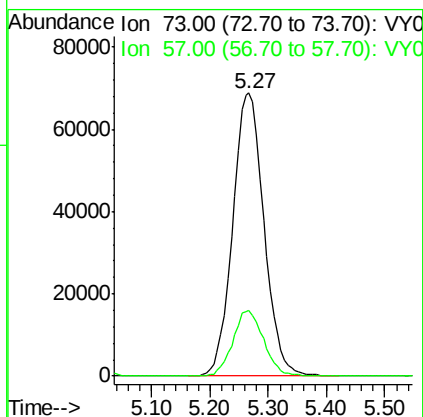
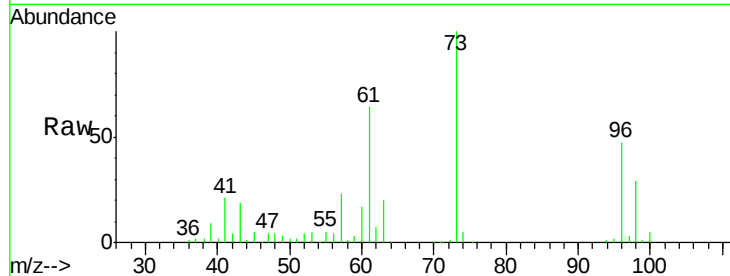




#19
Methyl tert-butyl Ether
Concen: 44.12 ug/l
RT: 5.27 min Scan# 579
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

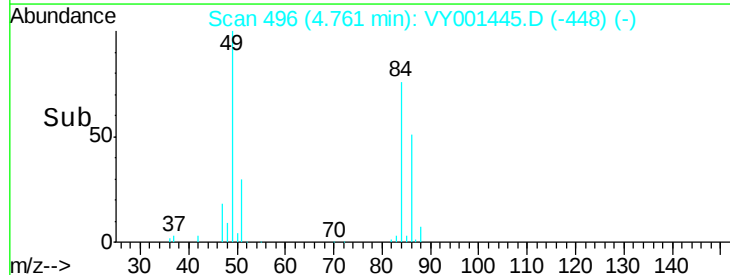
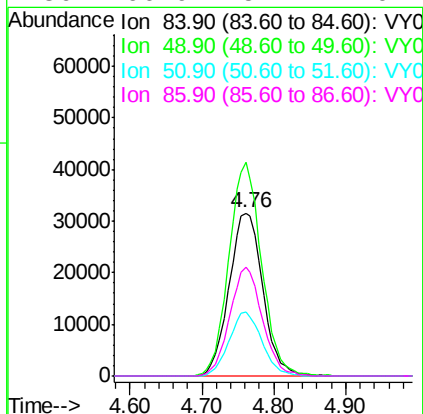
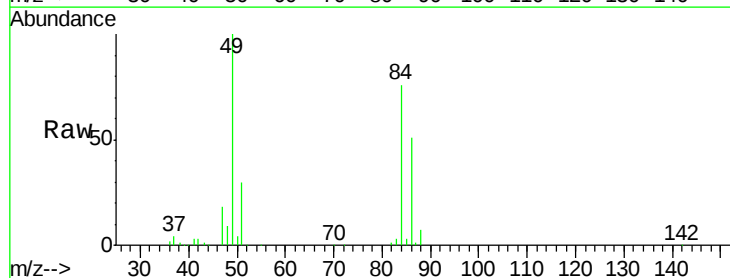
Instrument :
MSVOA_Y
ClientSampleId :
BFB

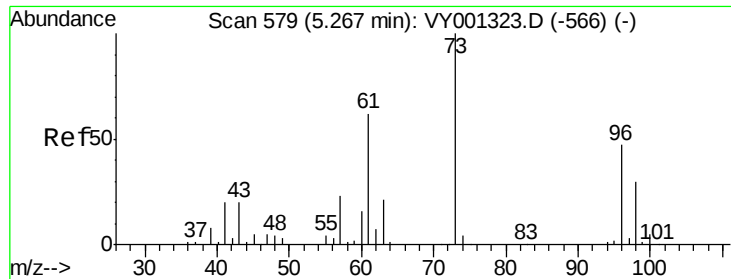
Tgt Ion: 73 Resp: 255769
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.2



#20
Methylene Chloride
Concen: 40.08 ug/l
RT: 4.76 min Scan# 496
Delta R.T. -0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 84 Resp: 102528
Ion Ratio Lower Upper
84 100
49 131.3 98.3 147.5
51 39.2 31.6 47.4
86 66.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 43.72 ug/l

RT: 5.27 min Scan# 579

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

BFB

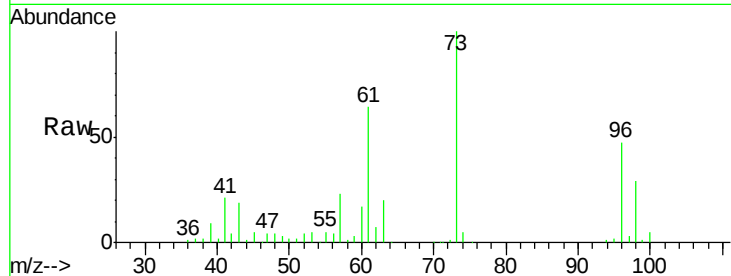
Tgt Ion: 96 Resp: 100551

Ion Ratio Lower Upper

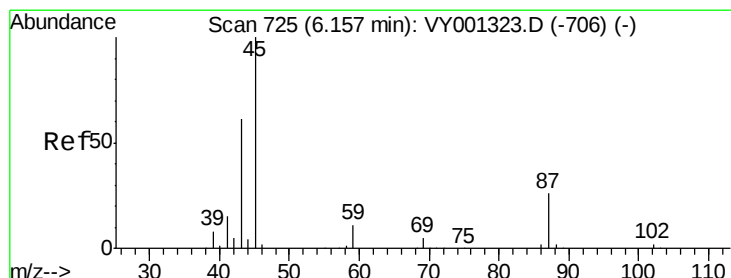
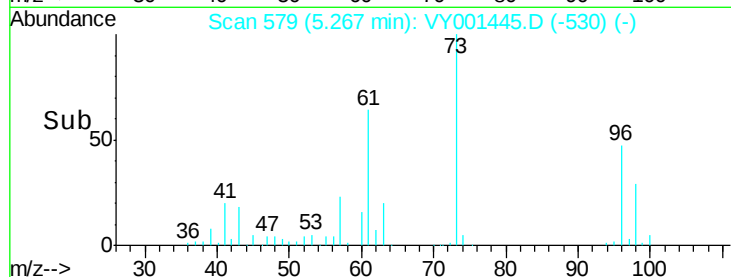
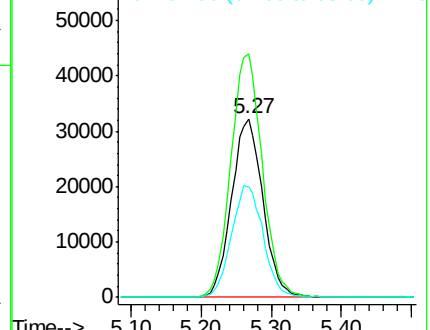
96 100

61 136.1 106.8 160.2

98 61.6 51.0 76.6



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



#22

Diisopropyl ether

Concen: 45.03 ug/l

RT: 6.16 min Scan# 725

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Tgt Ion: 45 Resp: 337610

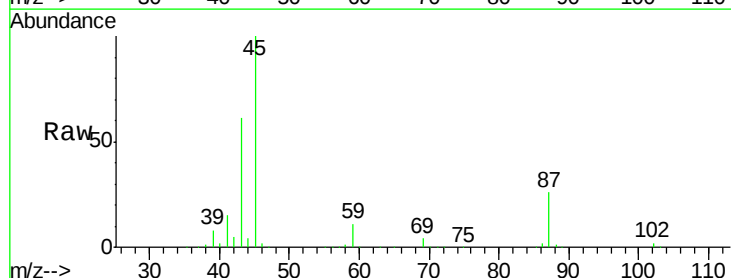
Ion Ratio Lower Upper

45 100

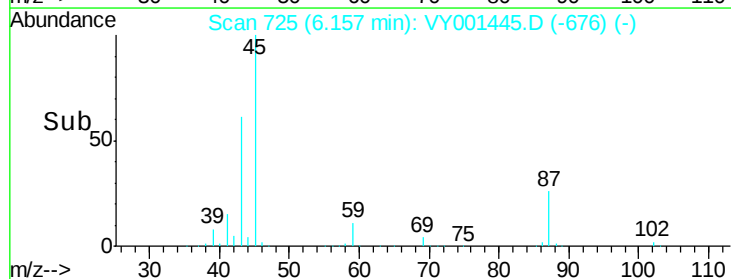
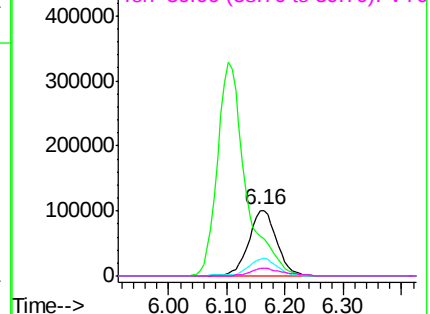
43 60.9 49.2 73.8

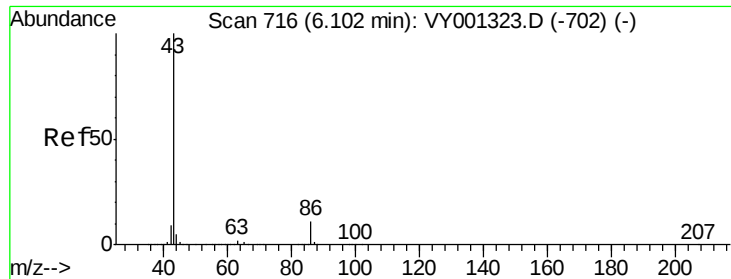
87 26.3 21.4 32.2

59 11.1 9.3 13.9



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





#23

Vinyl Acetate

Concen: 226.50 ug/l

RT: 6.10 min Scan# 716

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

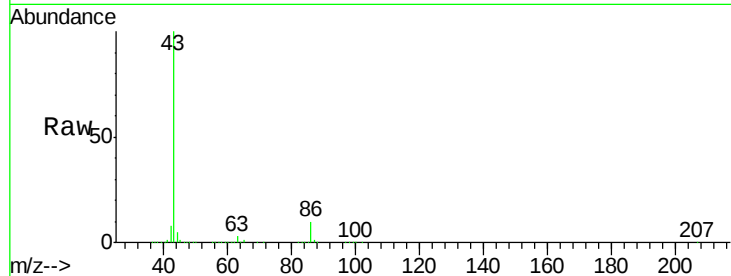
BFB

Tgt Ion: 43 Resp: 1102399

Ion Ratio Lower Upper

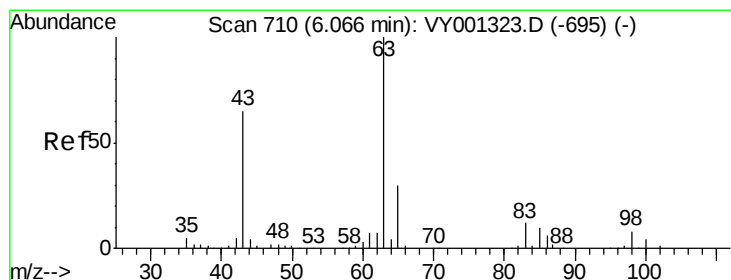
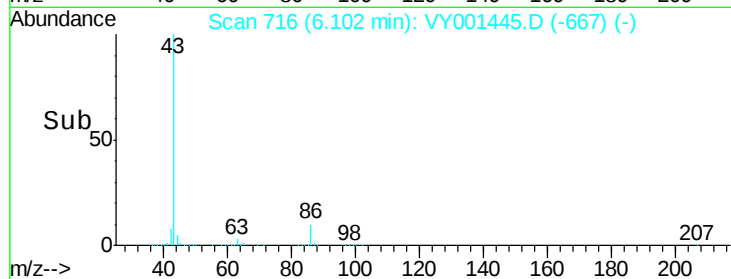
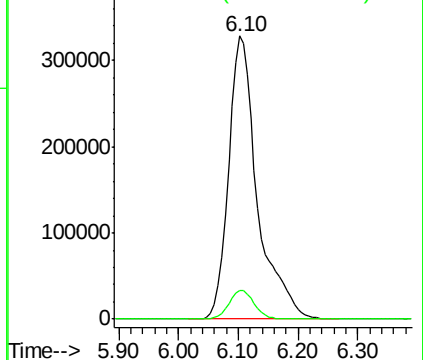
43 100

86 10.3 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: 45.12 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

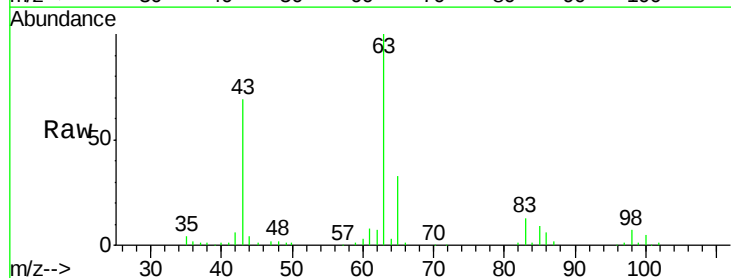
Tgt Ion: 63 Resp: 178290

Ion Ratio Lower Upper

63 100

98 7.0 4.0 12.0

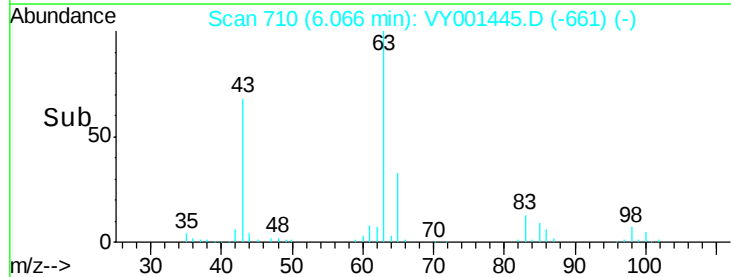
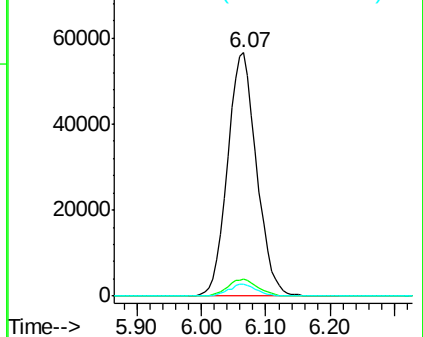
100 5.0 2.1 6.3

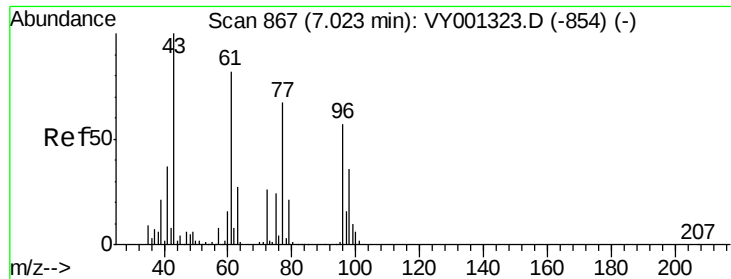


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

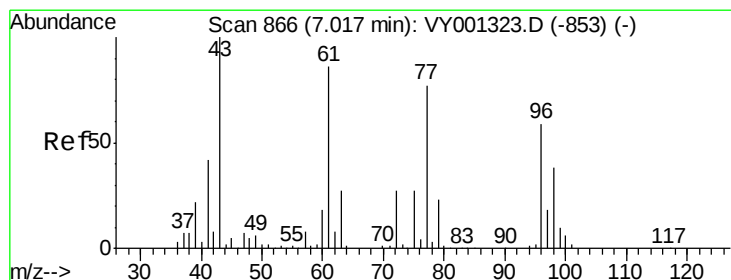
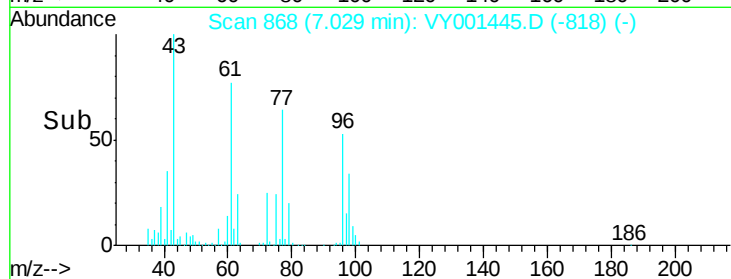
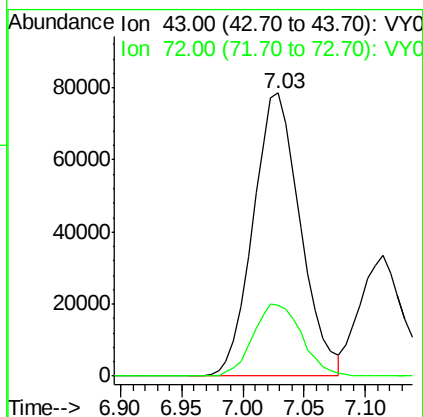
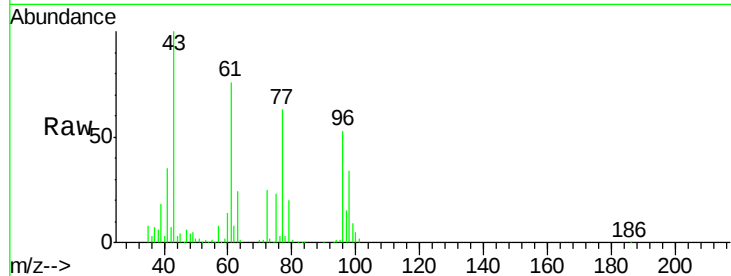




#25
2-Butanone
Concen: 238.46 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

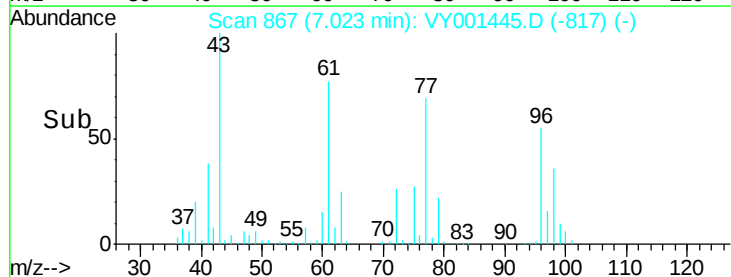
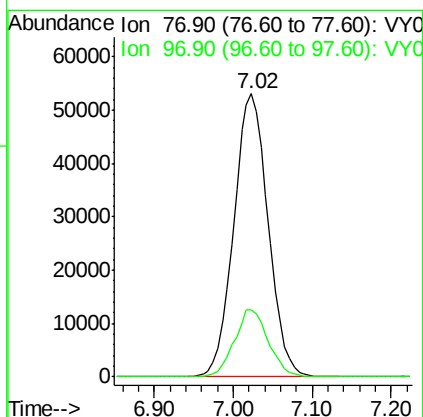
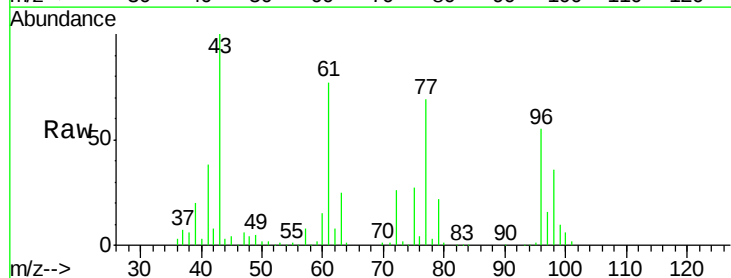
Instrument :
MSVOA_Y
ClientSampled :
BFB

Tgt Ion: 43 Resp: 210593
Ion Ratio Lower Upper
43 100
72 24.9 20.6 31.0



#26
2,2-Dichloropropane
Concen: 45.54 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 77 Resp: 160298
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.5

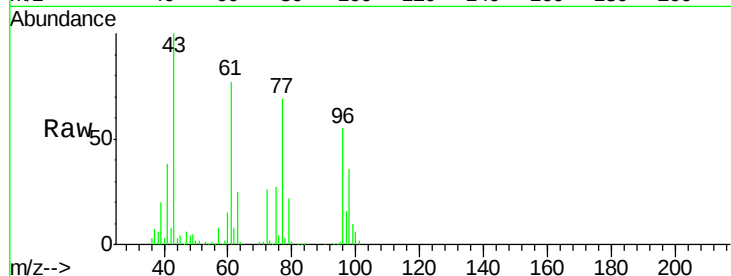




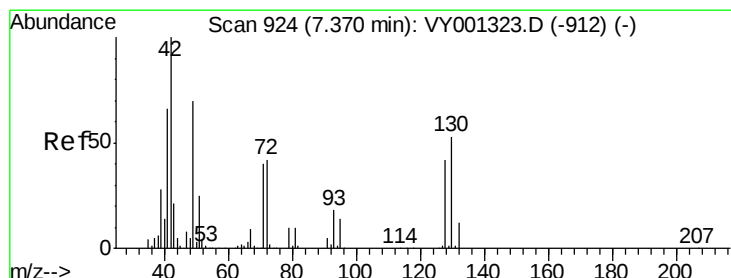
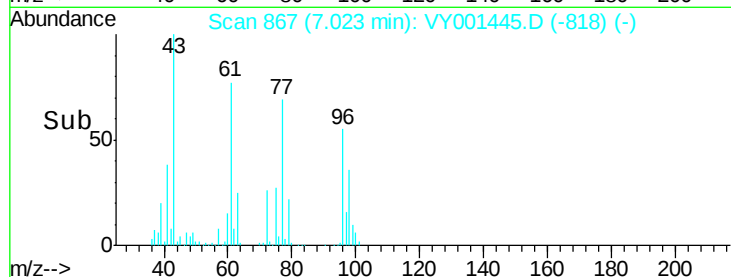
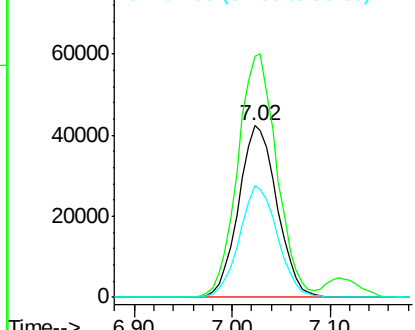
#27
 cis-1,2-Dichloroethene
 Concen: 44.93 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

Tgt Ion: 96 Resp: 115479
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 284.8
 98 64.3 0.0 128.4

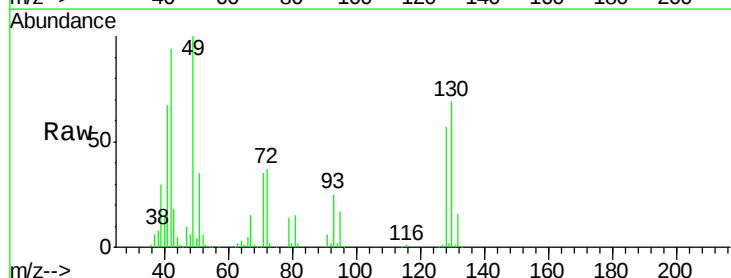


Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0

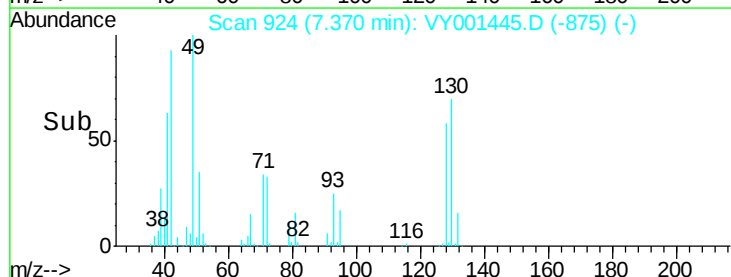
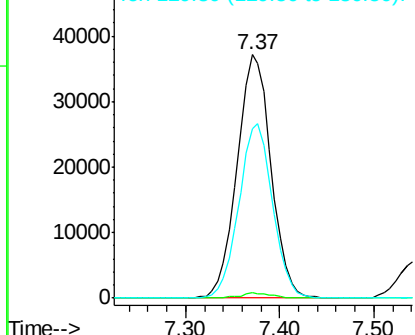


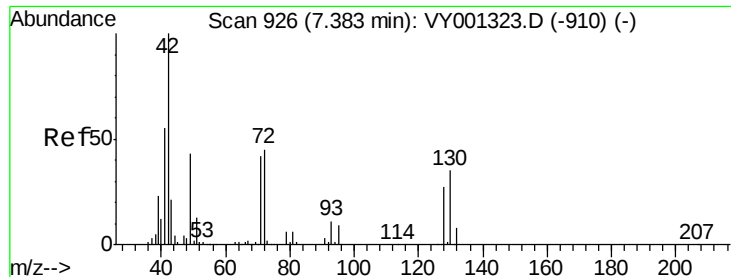
#28
 Bromochloromethane
 Concen: 57.46 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 49 Resp: 93639
 Ion Ratio Lower Upper
 49 100
 129 2.0 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

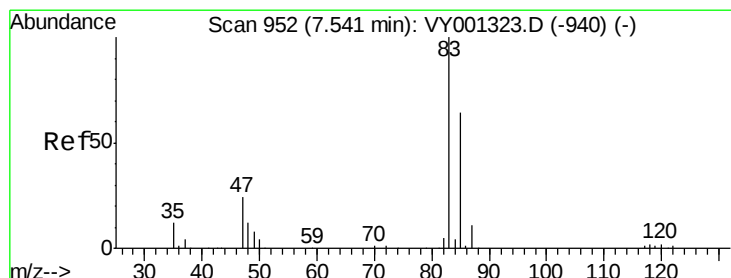
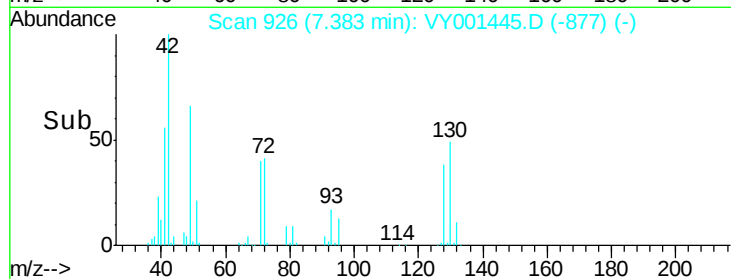
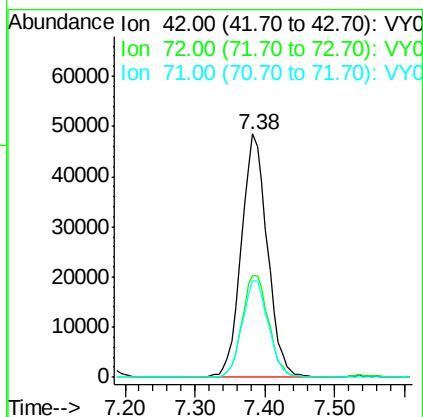
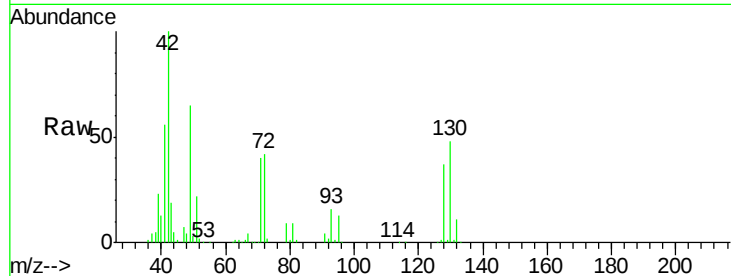




#29
Tetrahydrofuran
Concen: 218.28 ug/l
RT: 7.38 min Scan# 926
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

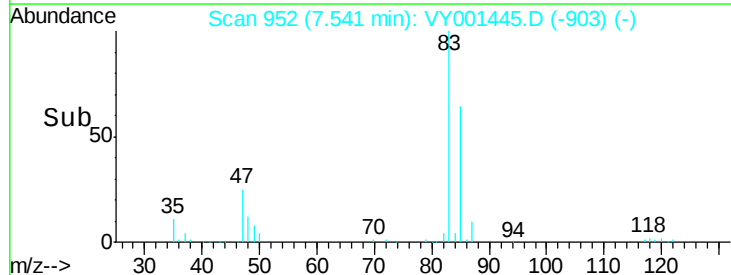
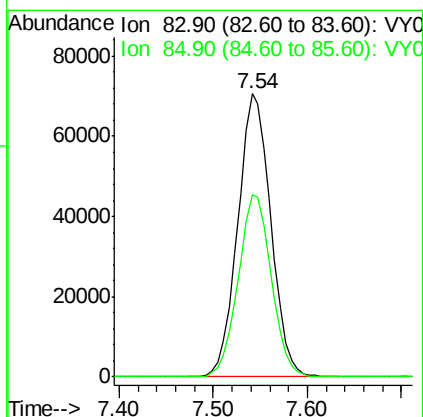
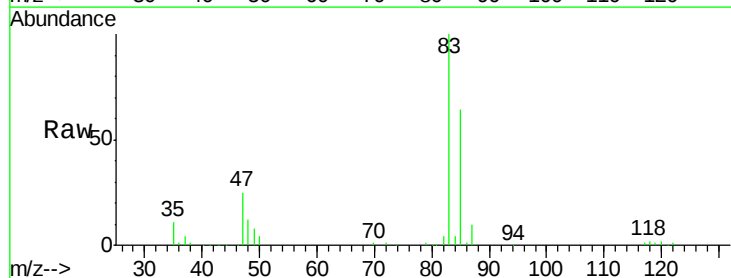
Instrument :
MSVOA_Y
ClientSampled :
BFB

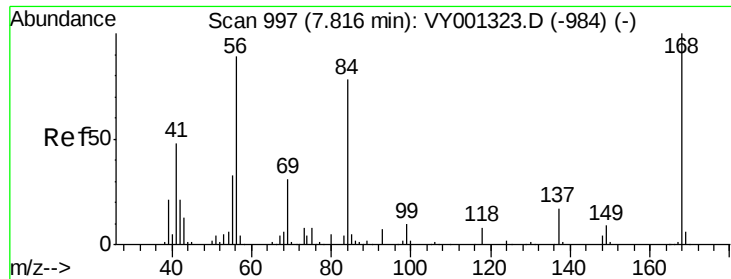
Tgt Ion: 42 Resp: 125411
Ion Ratio Lower Upper
42 100
72 42.6 34.6 51.8
71 40.1 32.6 48.8



#30
Chloroform
Concen: 44.60 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 83 Resp: 172754
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3

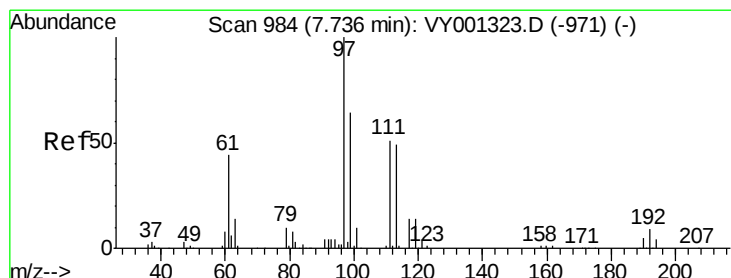
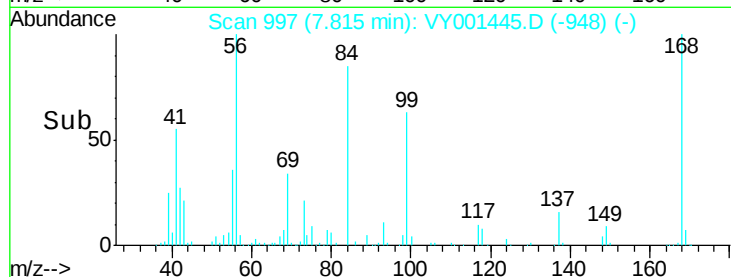
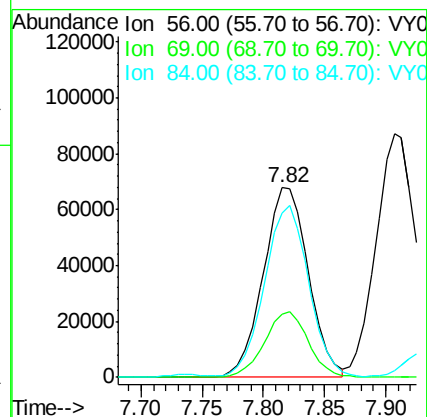
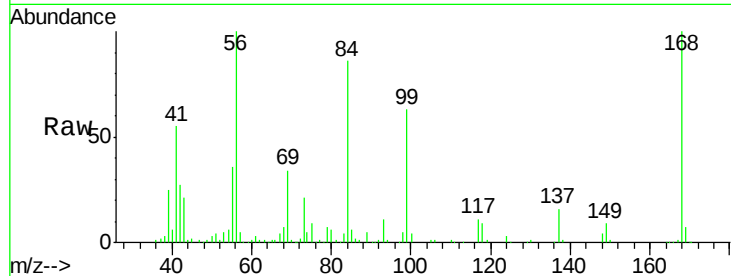




#31
Cyclohexane
Concen: 44.46 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

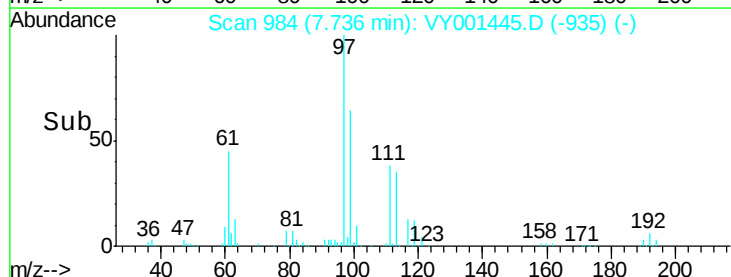
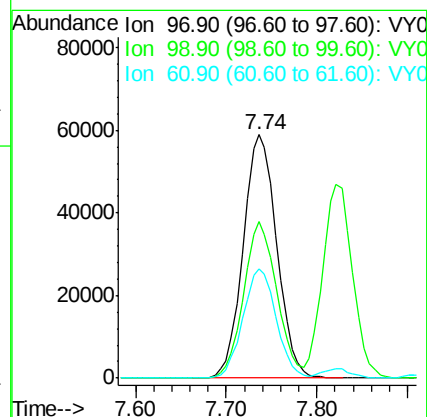
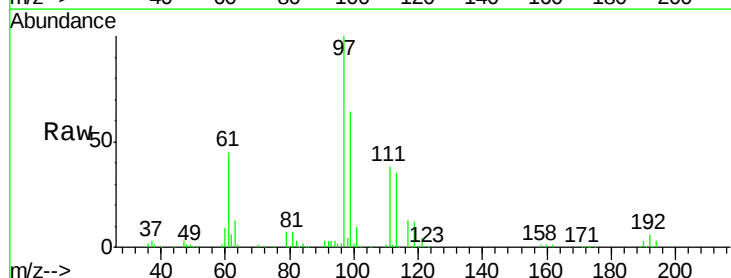
Instrument :
MSVOA_Y
ClientSampleId :
BFB

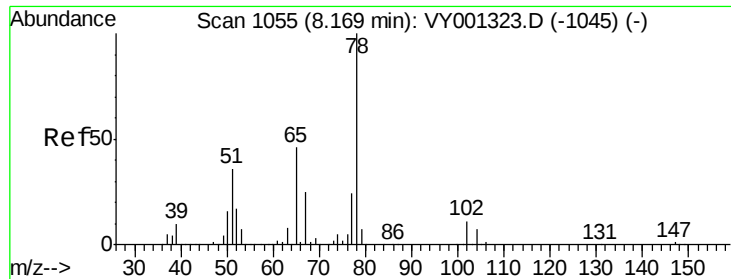
Tgt Ion: 56 Resp: 174419
Ion Ratio Lower Upper
56 100
69 33.6 27.6 41.4
84 84.9 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 46.12 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 97 Resp: 150845
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 44.6 35.9 53.9

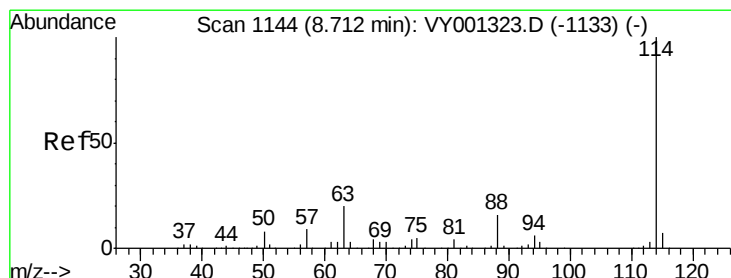
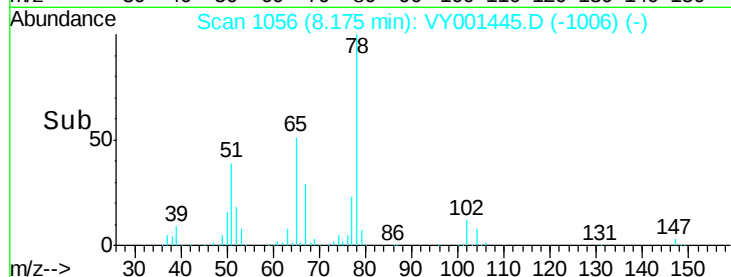
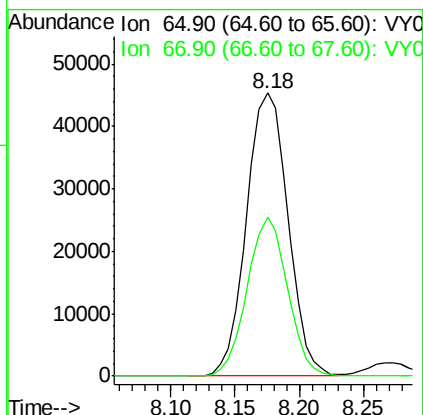
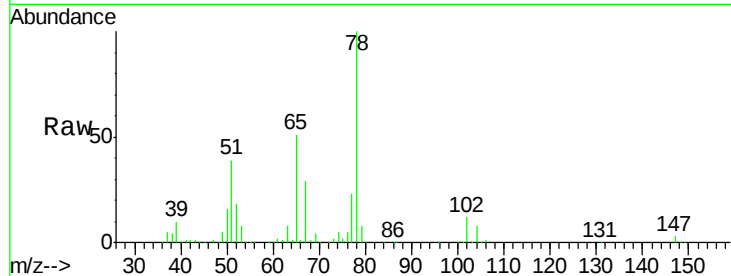




#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

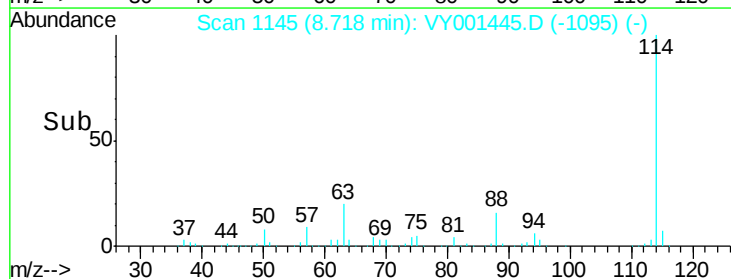
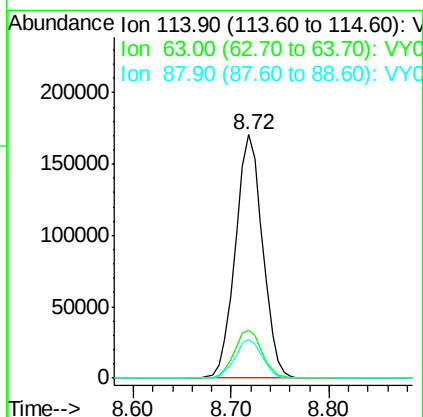
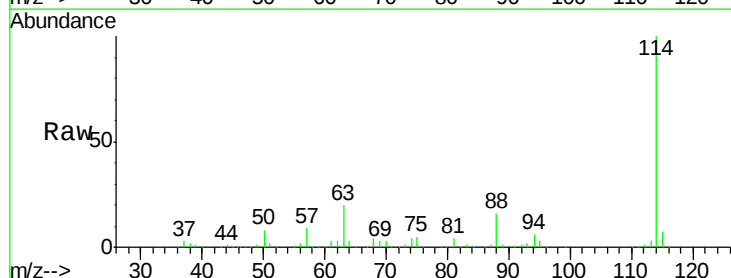
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

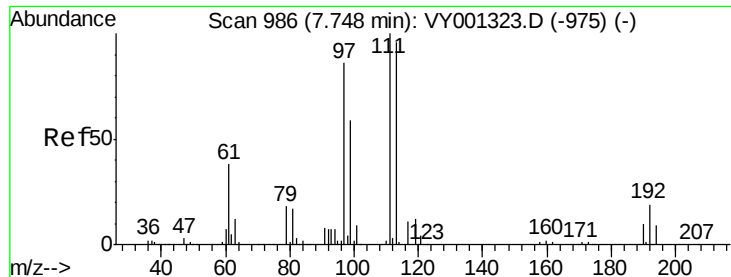
Tgt Ion: 65 Resp: 101454
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 114 Resp: 328678
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 15.7 0.0 31.0

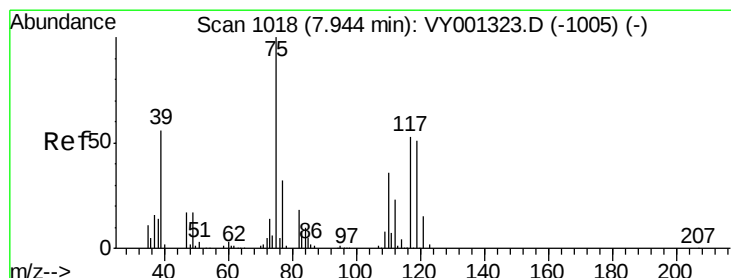
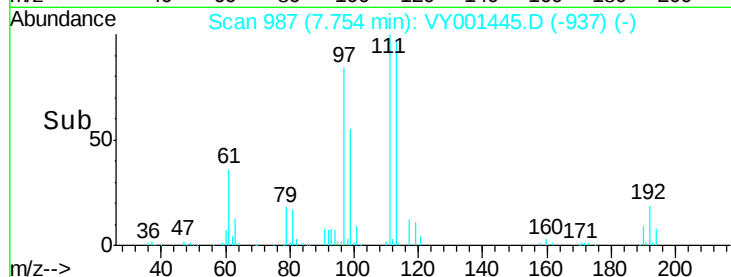
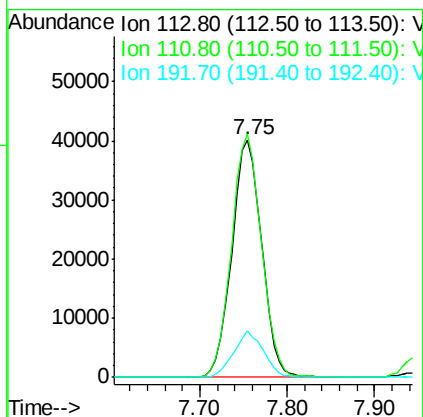
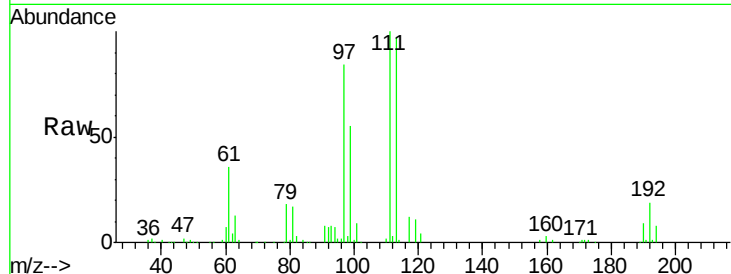




#35
 Dibromofluoromethane
 Concen: 49.45 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

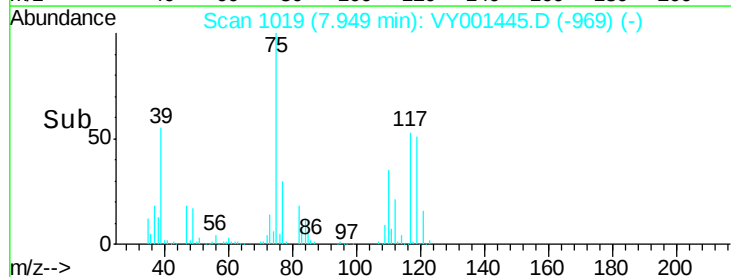
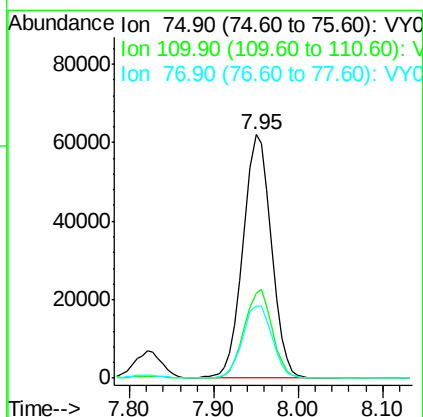
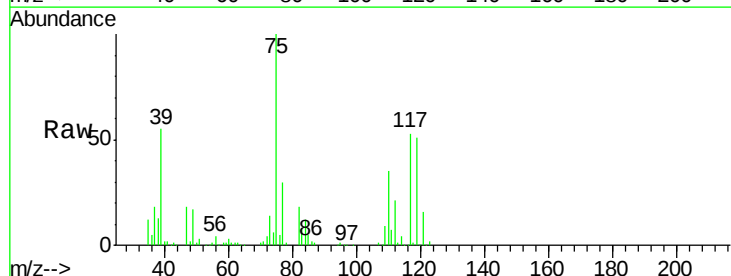
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

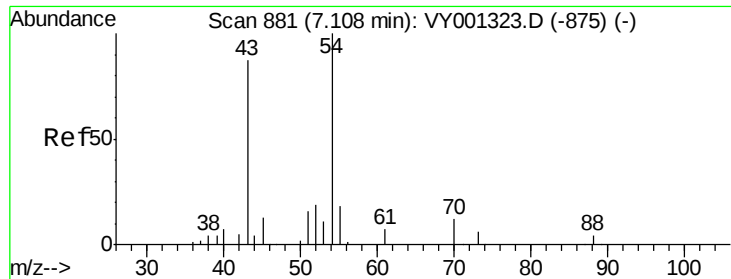
Tgt Ion: 113 Resp: 95395
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 19.2 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 45.42 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 75 Resp: 141041
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.6 52.8
 77 31.1 24.7 37.1

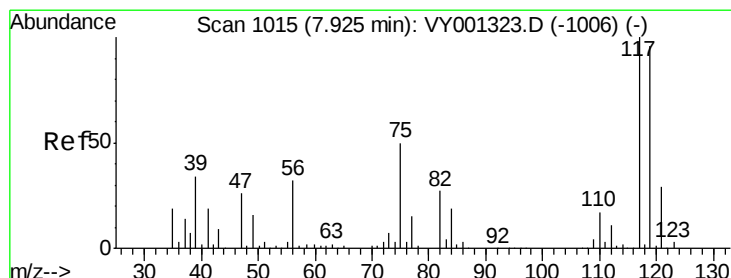
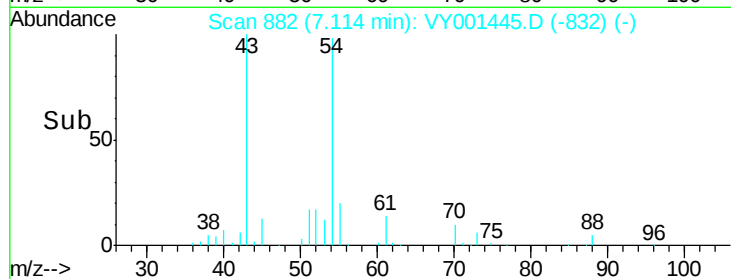
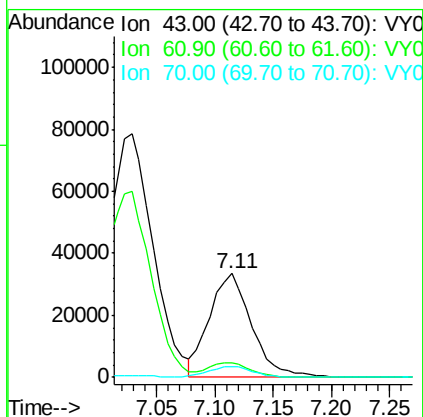
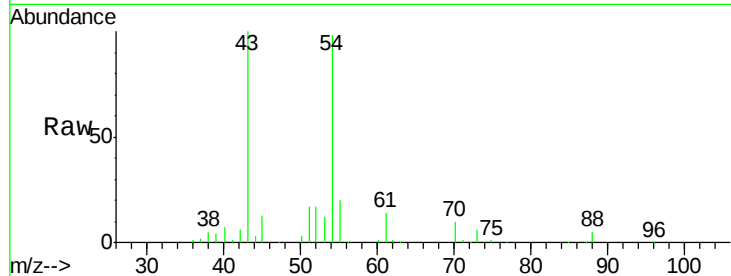




#37
Ethyl Acetate
Concen: 43.96 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

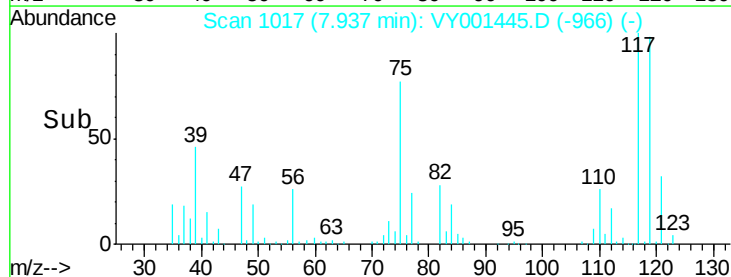
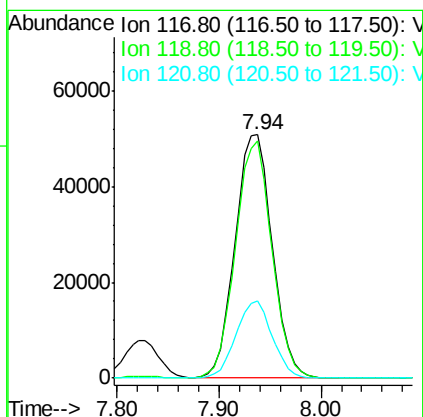
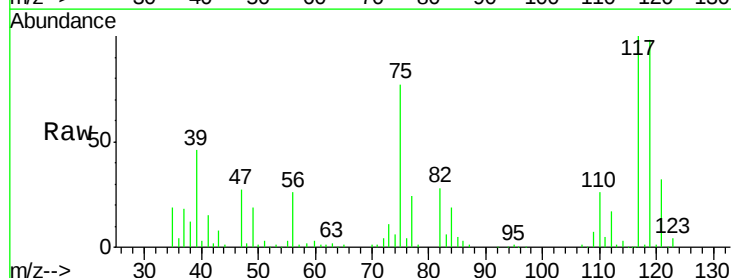
Instrument :
MSVOA_Y
ClientSampled :
BFB

Tgt Ion: 43 Resp: 83399
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 10.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 46.51 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 117 Resp: 128712
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 31.9 23.5 35.3

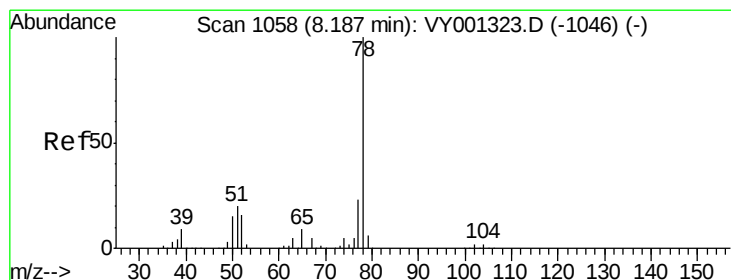
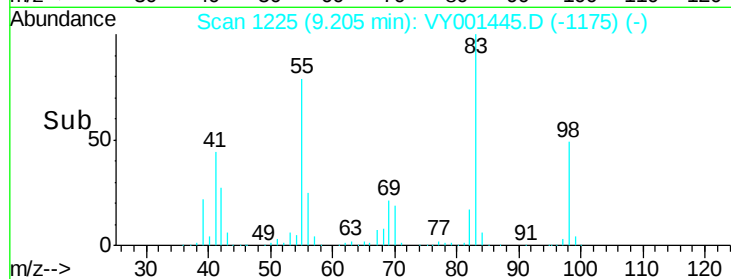
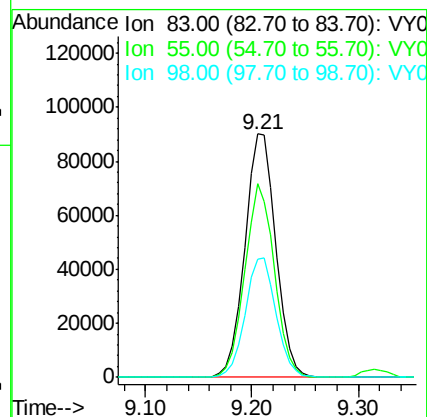
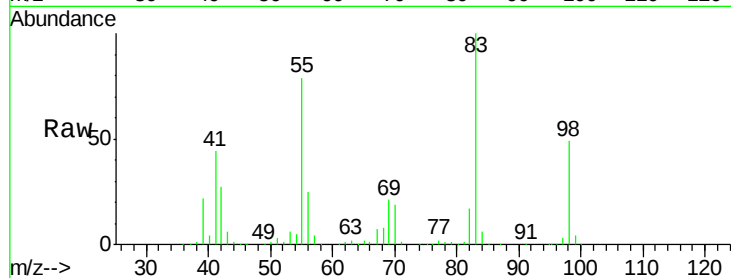




#39
Methylcyclohexane
Concen: 46.27 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

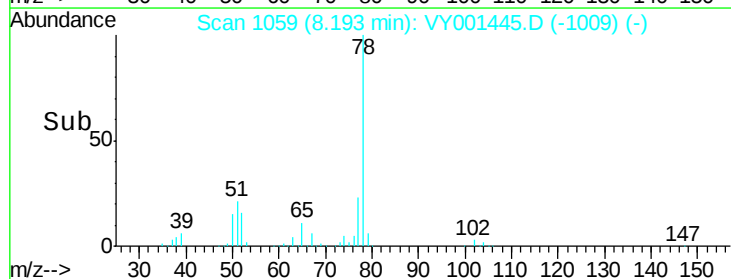
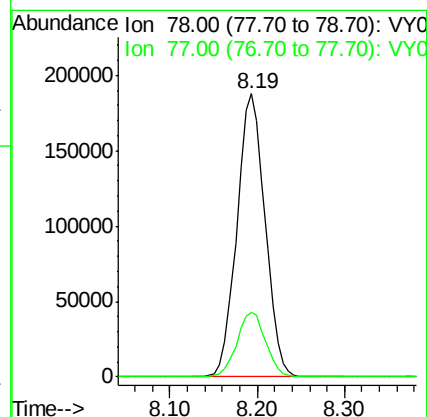
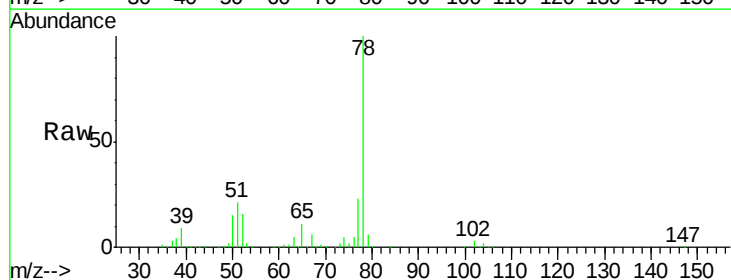
Instrument :
MSVOA_Y
ClientSampled :
BFB

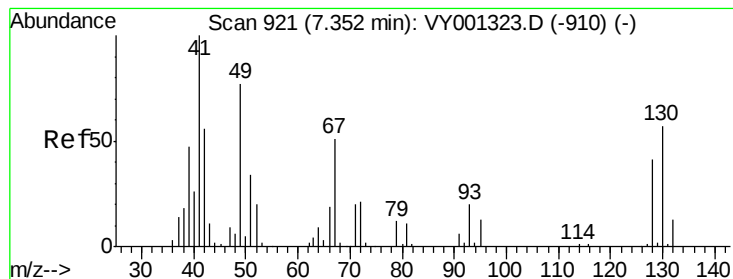
Tgt Ion: 83 Resp: 184038
Ion Ratio Lower Upper
83 100
55 79.4 60.7 91.1
98 48.6 37.8 56.8



#40
Benzene
Concen: 45.02 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 78 Resp: 419182
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8





#41

Methacrylonitrile

Concen: 118.84 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampled :

BFB

Tgt Ion: 41 Resp: 116346

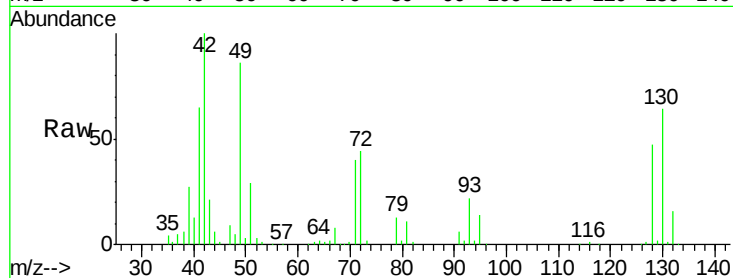
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

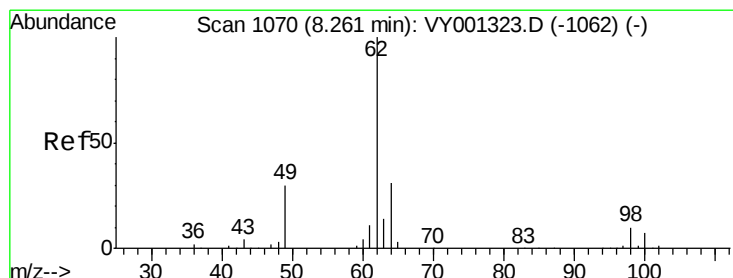
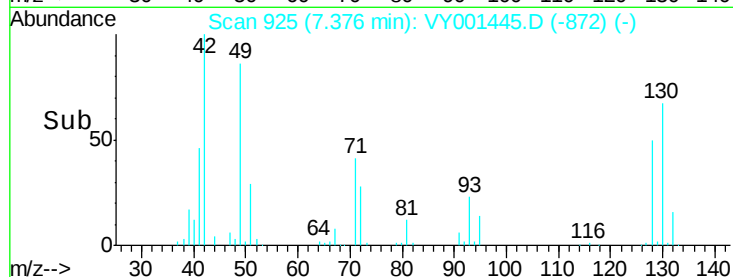
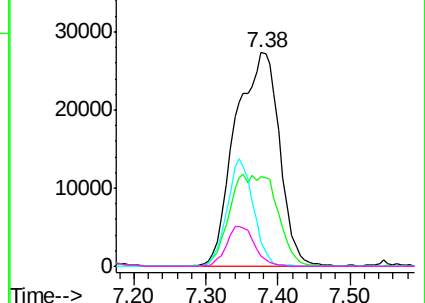


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 43.89 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VY001445.D

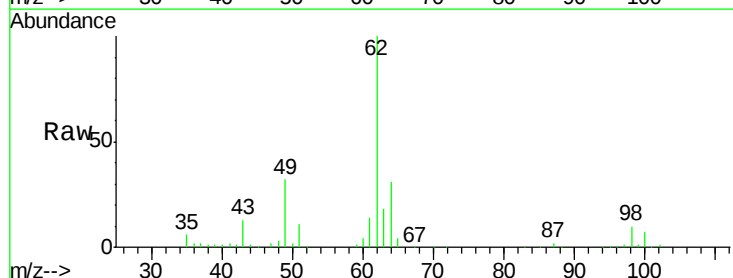
Acq: 31 Jan 2020 10:59

Tgt Ion: 62 Resp: 114178

Ion Ratio Lower Upper

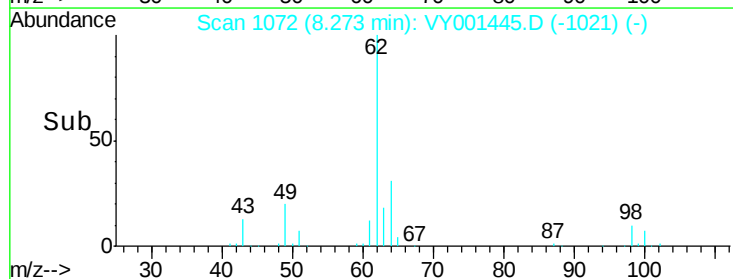
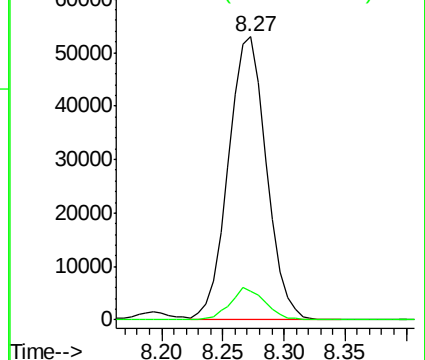
62 100

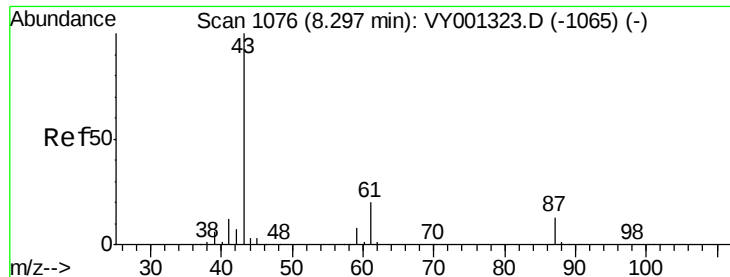
98 10.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

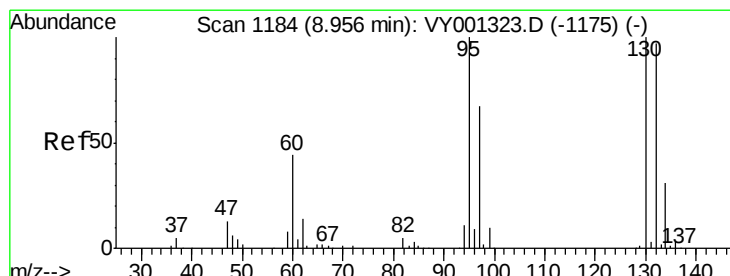
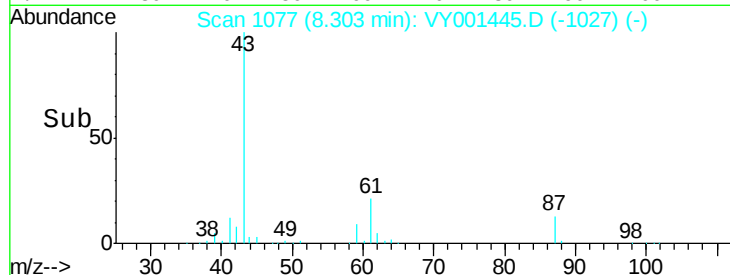
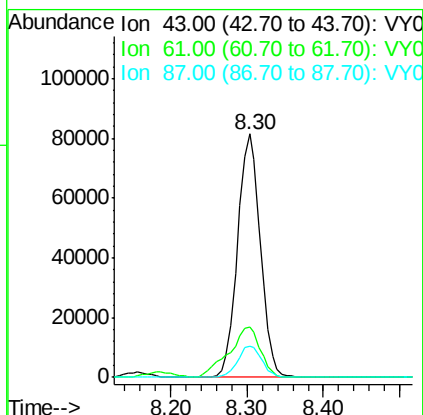
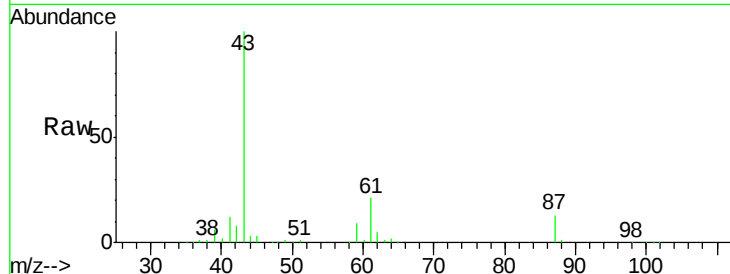




#43
Isopropyl Acetate
Concen: 45.56 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

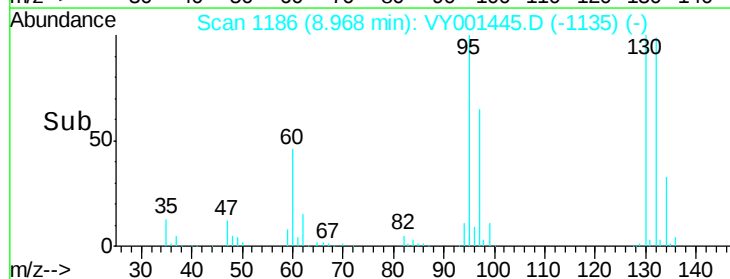
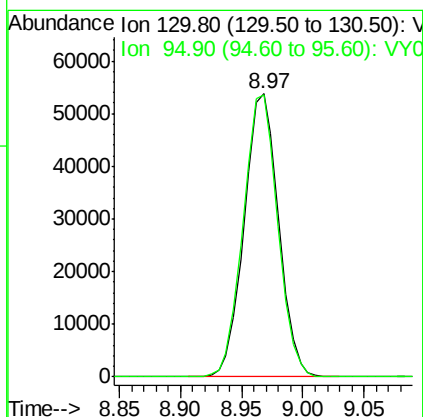
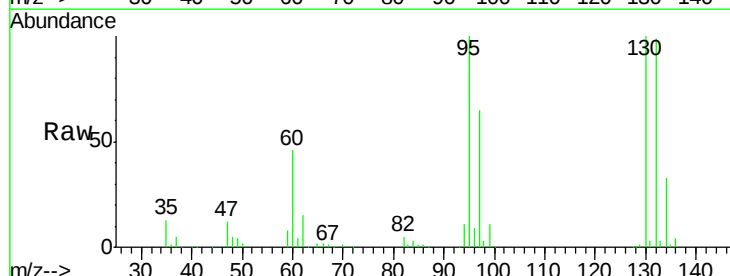
Instrument :
MSVOA_Y
ClientSampled :
BFB

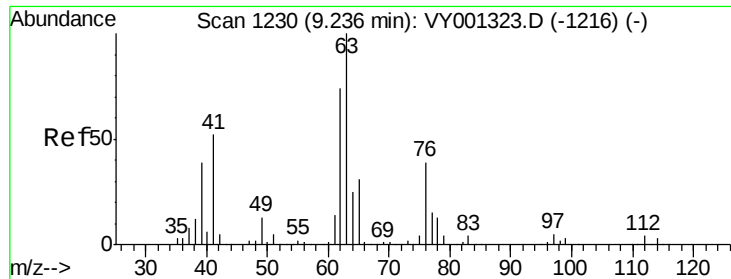
Tgt Ion: 43 Resp: 168067
Ion Ratio Lower Upper
43 100
61 28.4 22.7 34.1
87 13.3 11.0 16.4



#44
Trichloroethene
Concen: 44.08 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 130 Resp: 105311
Ion Ratio Lower Upper
130 100
95 99.8 0.0 200.0

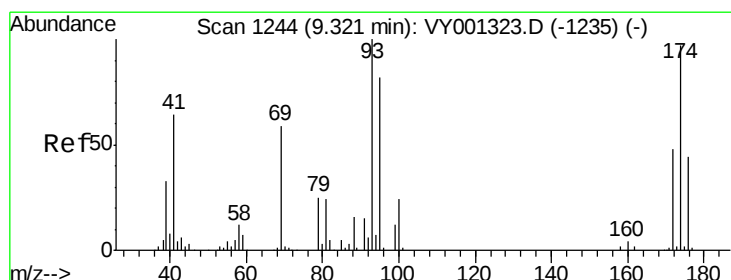
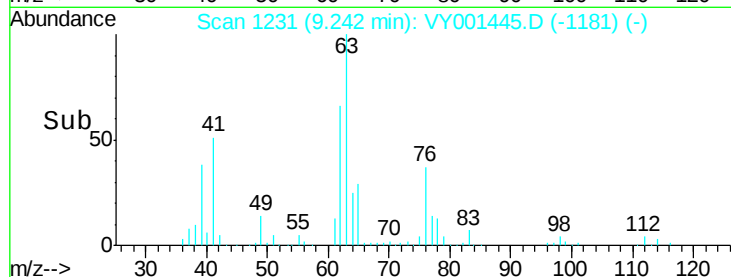
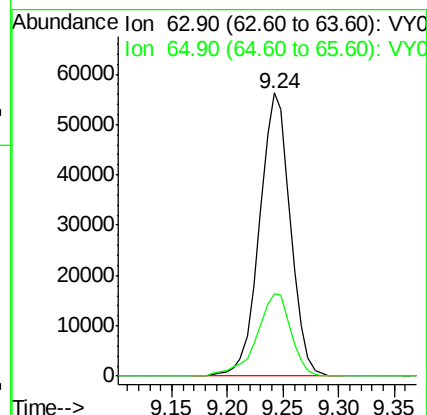
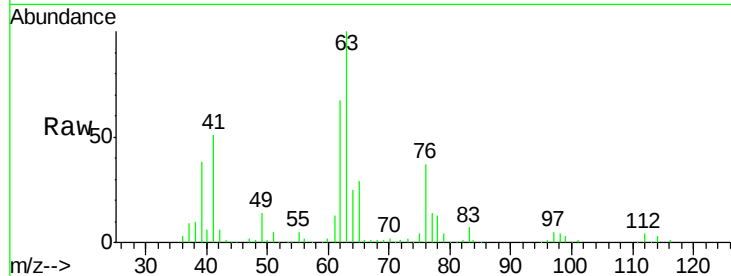




#45
 1,2-Dichloropropane
 Concen: 46.21 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

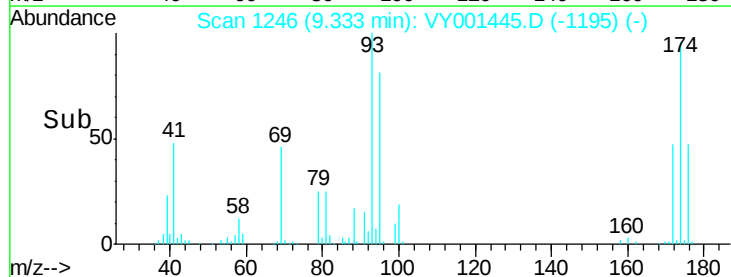
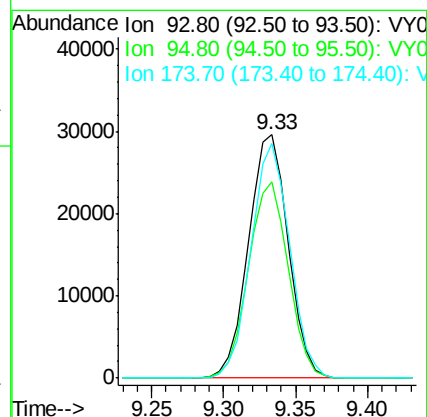
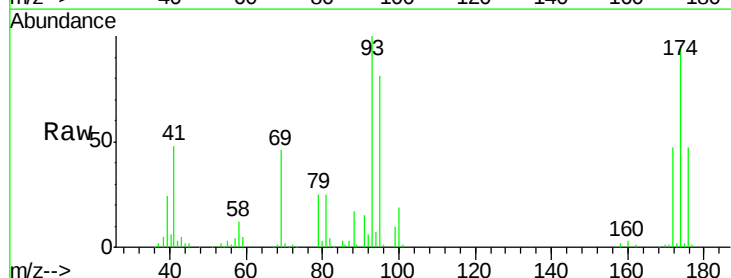
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

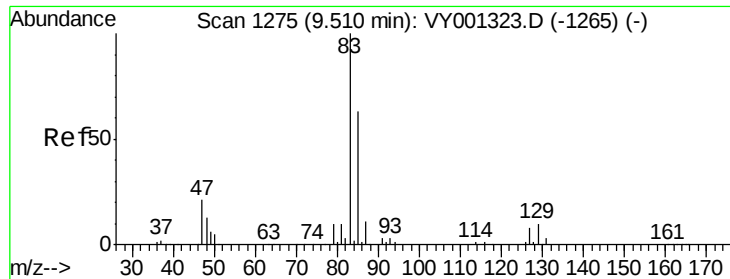
Tgt Ion: 63 Resp: 108771
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.9 37.3



#46
 Dibromomethane
 Concen: 44.68 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 93 Resp: 56452
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.5 99.7
 174 93.8 77.9 116.9





#47

Bromodichloromethane

Concen: 45.37 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

BFB

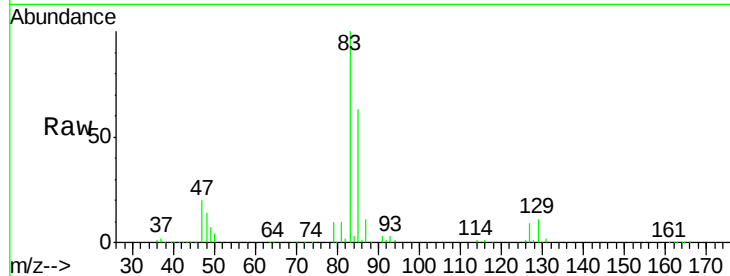
Tgt Ion: 83 Resp: 137033

Ion Ratio Lower Upper

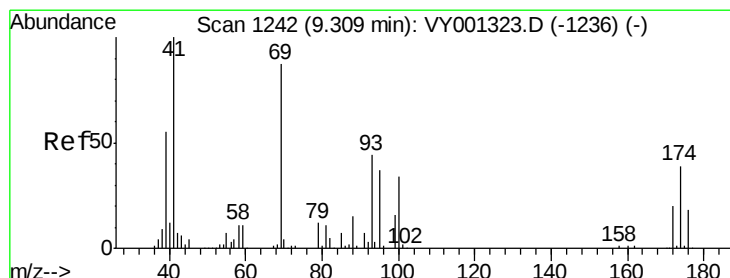
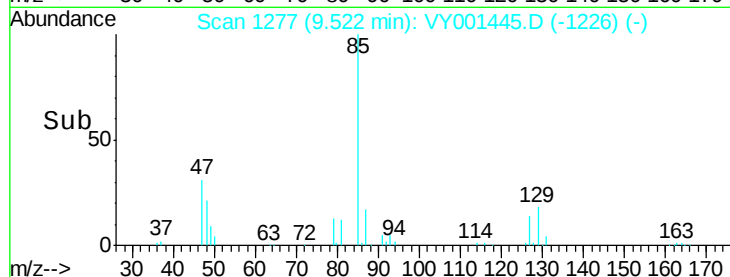
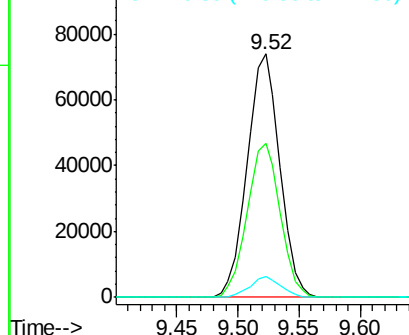
83 100

85 63.2 50.2 75.2

127 8.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 44.48 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

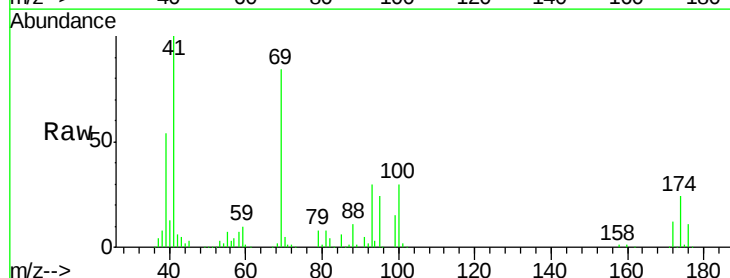
Tgt Ion: 41 Resp: 74597

Ion Ratio Lower Upper

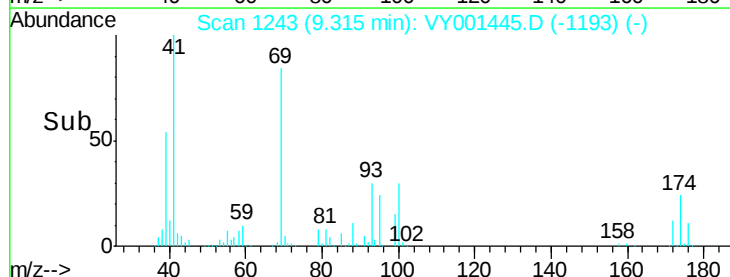
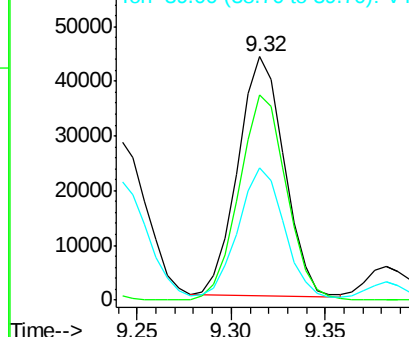
41 100

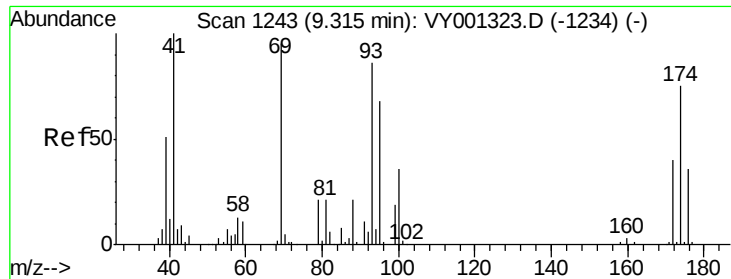
69 87.6 70.2 105.4

39 53.3 45.7 68.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 823.50 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

BFB

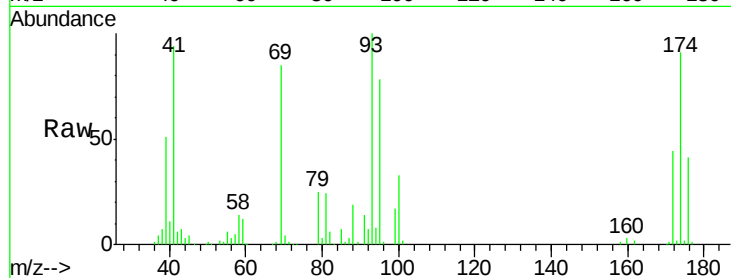
Tgt Ion: 88 Resp: 14674

Ion Ratio Lower Upper

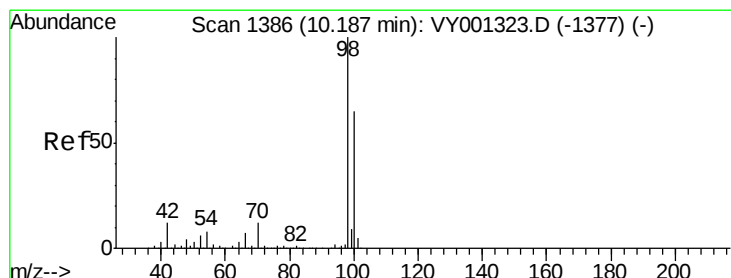
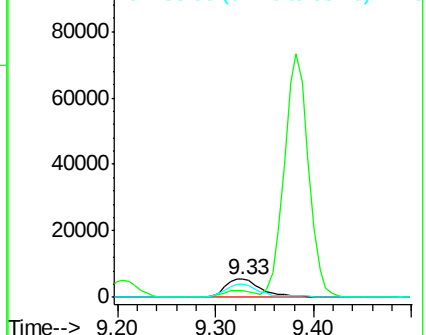
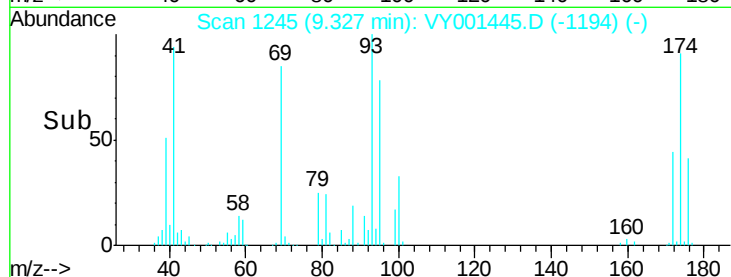
88 100

43 31.9 28.2 42.2

58 64.6 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VY001445.D (-1194) (-)



#50

Toluene-d8

Concen: 52.24 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001445.D

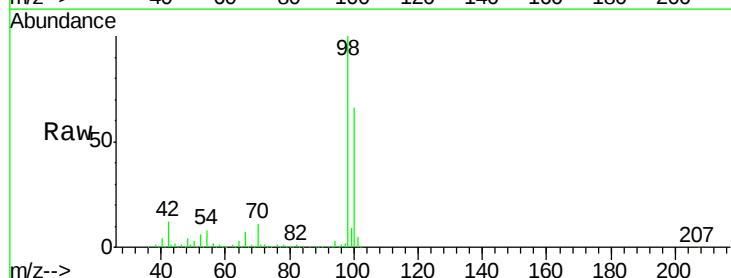
Acq: 31 Jan 2020 10:59

Tgt Ion: 98 Resp: 391542

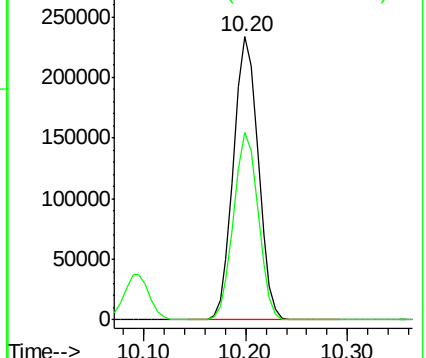
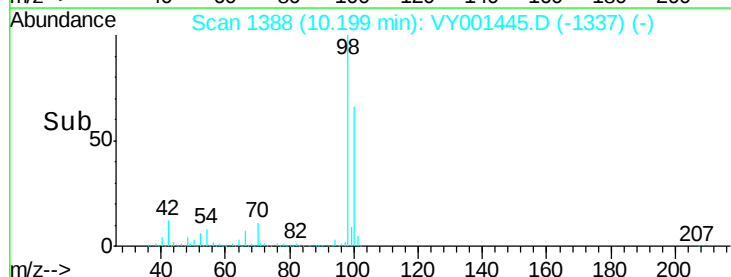
Ion Ratio Lower Upper

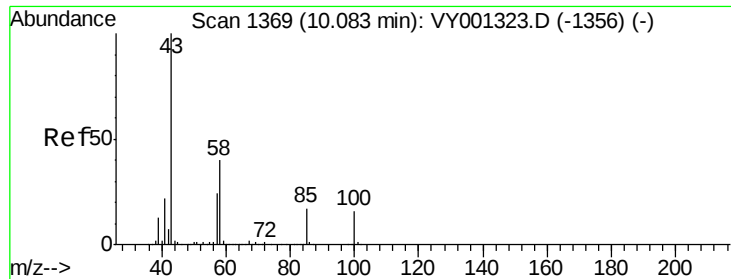
98 100

100 65.9 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001445.D (-1337) (-)

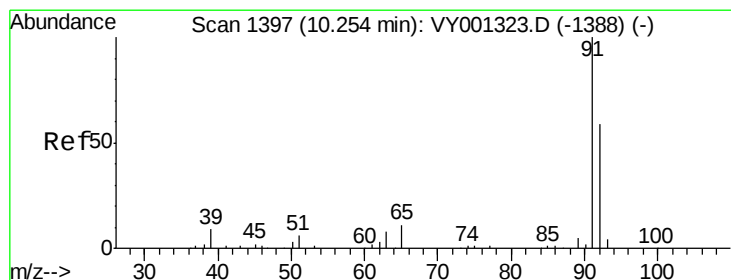
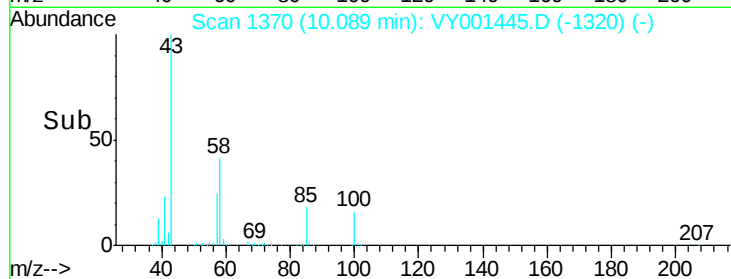
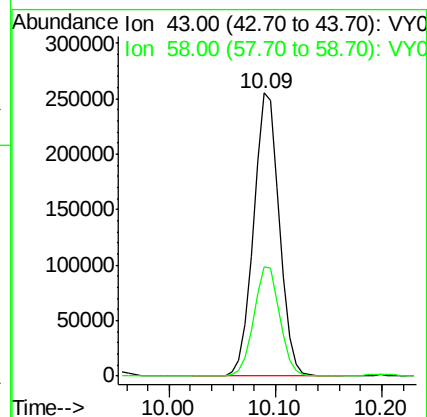
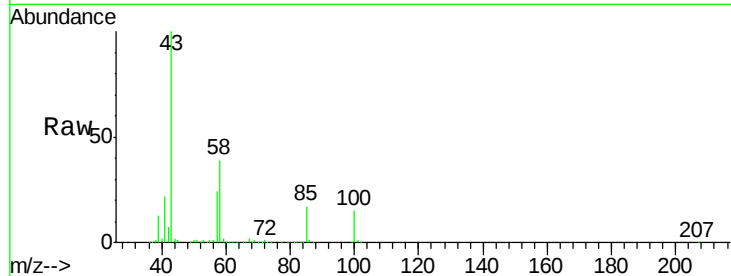




#51
 4-Methyl-2-Pentanone
 Concen: 227.80 ug/l
 RT: 10.09 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

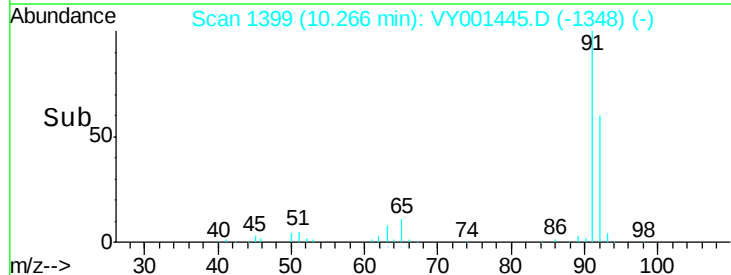
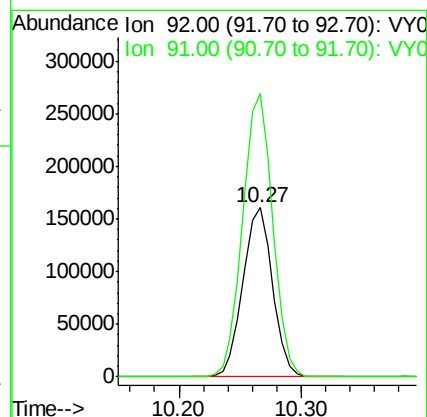
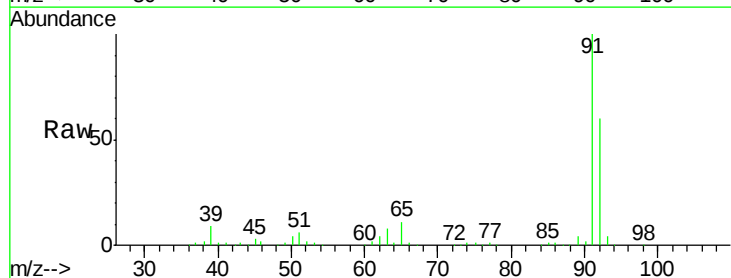
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

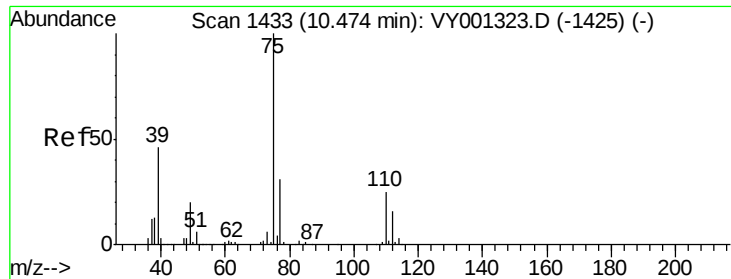
Tgt Ion: 43 Resp: 432780
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.5 47.3



#52
 Toluene
 Concen: 45.81 ug/l
 RT: 10.27 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 92 Resp: 270388
 Ion Ratio Lower Upper
 92 100
 91 169.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 45.76 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampled :

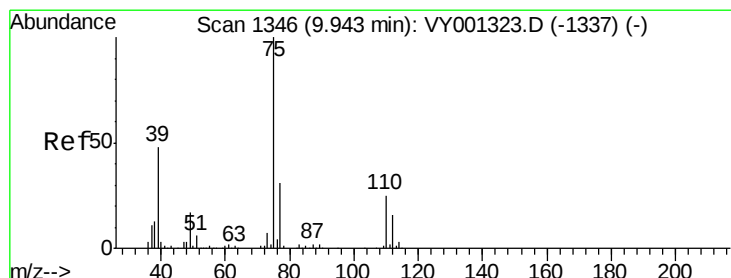
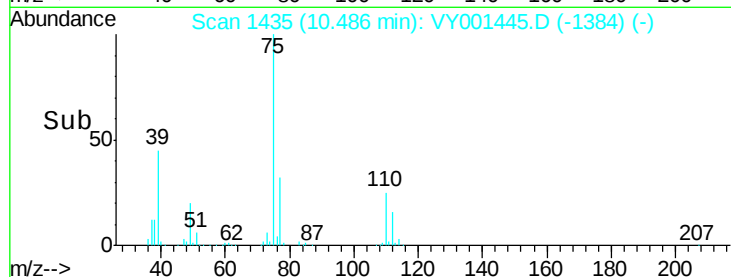
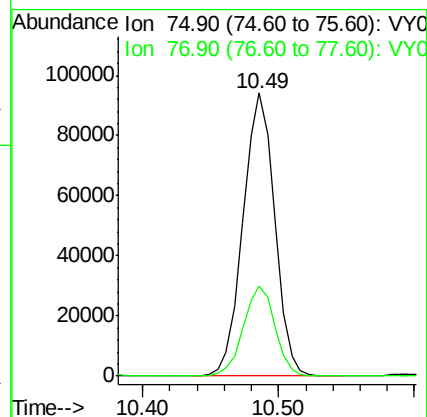
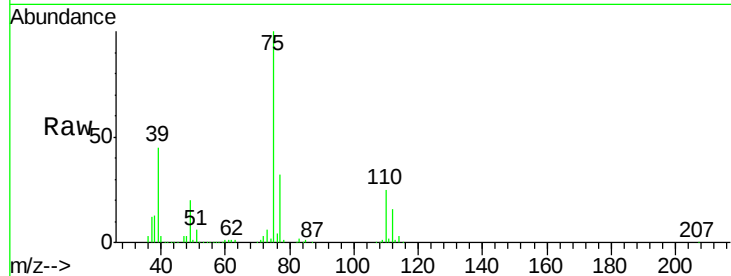
BFB

Tgt Ion: 75 Resp: 153194

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 45.67 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

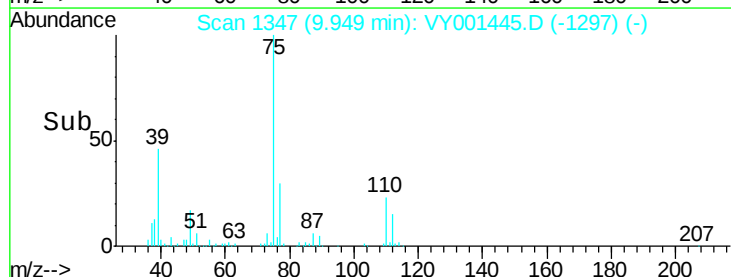
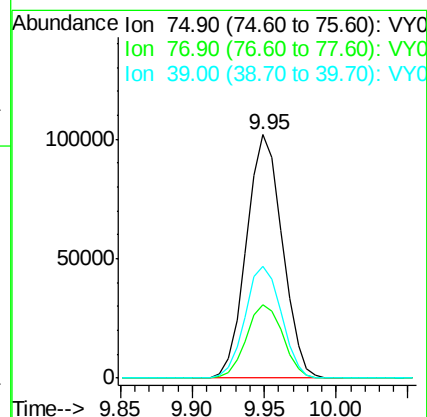
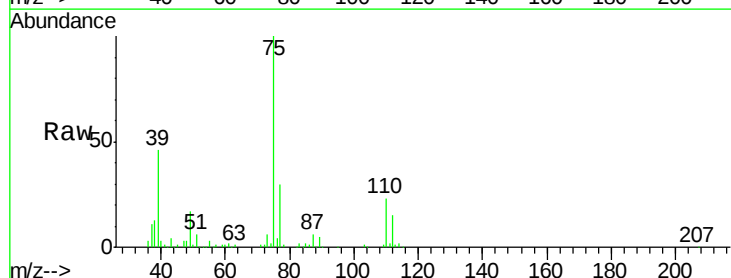
Tgt Ion: 75 Resp: 175506

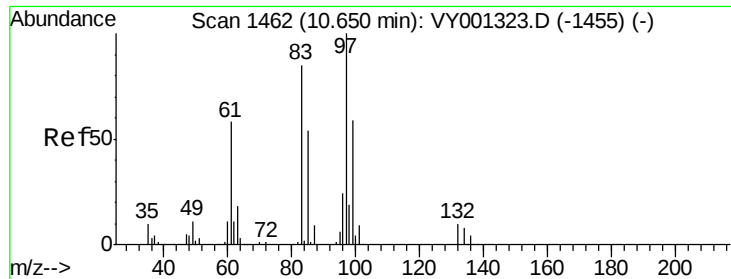
Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.6

39 45.8 38.2 57.4

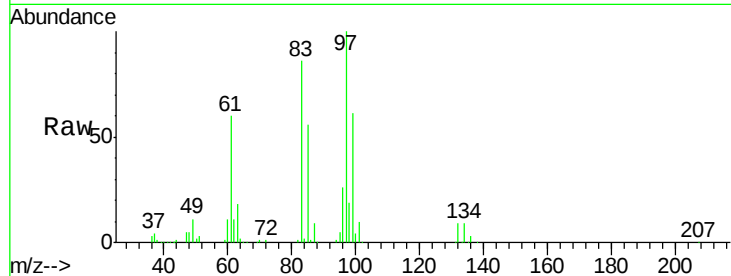




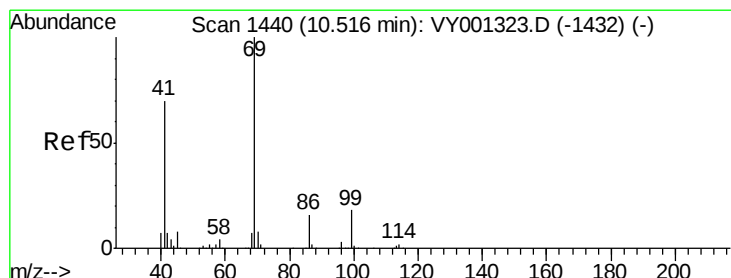
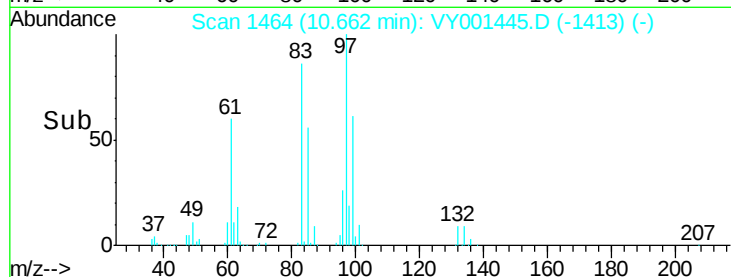
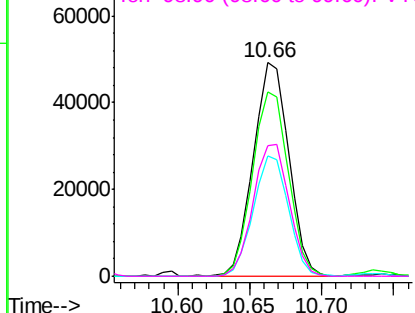
#55
 1,1,2-Trichloroethane
 Concen: 45.23 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

Tgt Ion:	97	Resp:	84349
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.0	102.0
85	56.1	43.6	65.4
99	61.1	47.1	70.7

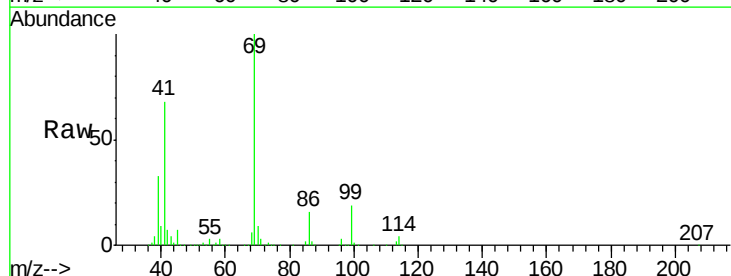


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

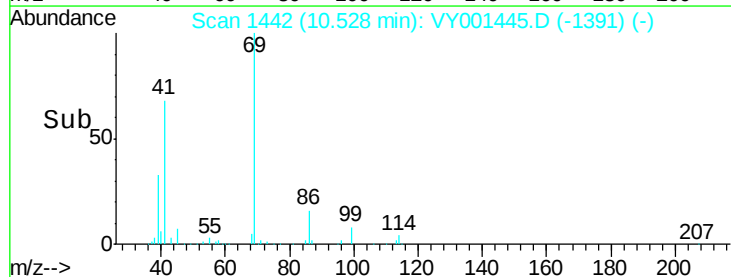
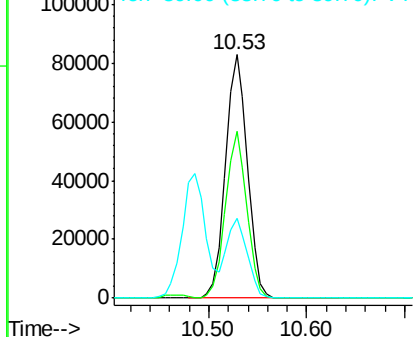


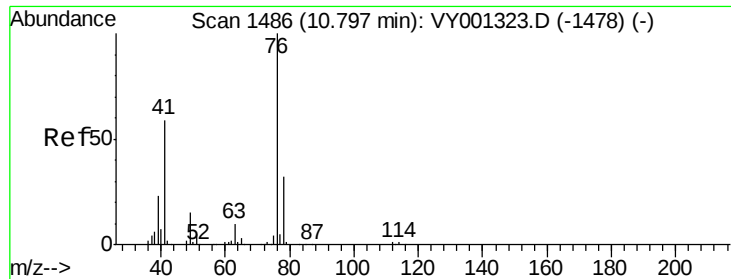
#56
 Ethyl methacrylate
 Concen: 45.61 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion:	69	Resp:	128566
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.1	81.1
39	31.1	26.8	40.2



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0

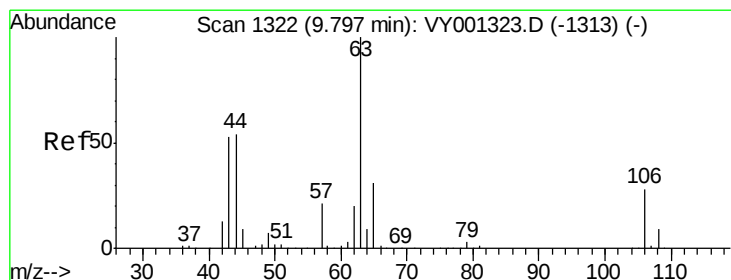
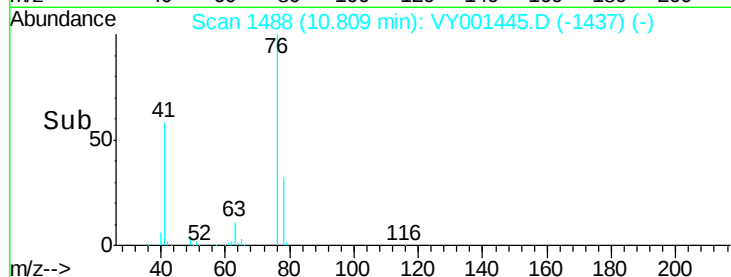
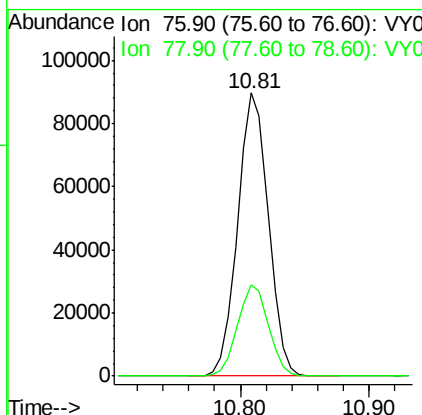
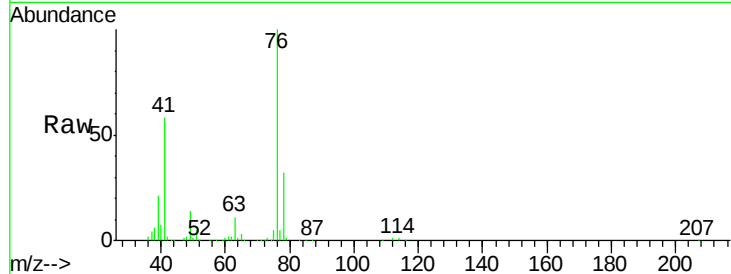




#57
 1,3-Dichloropropane
 Concen: 45.41 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

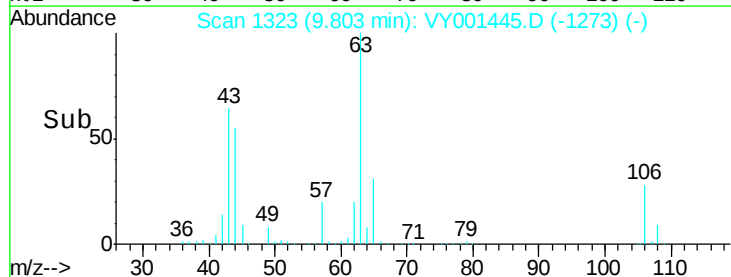
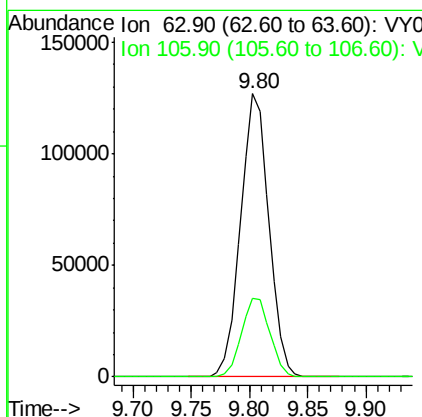
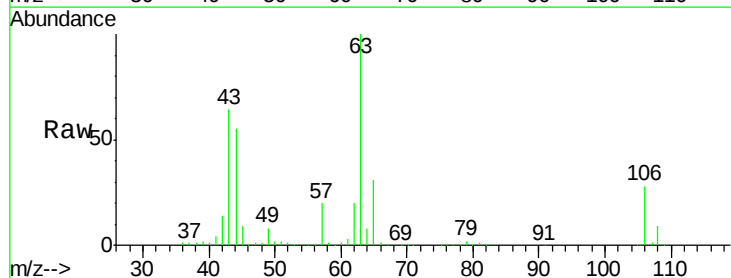
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

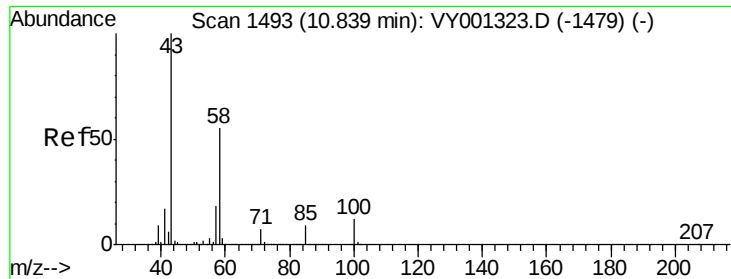
Tgt Ion: 76 Resp: 147529
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.86 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 63 Resp: 215427
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.5 33.7

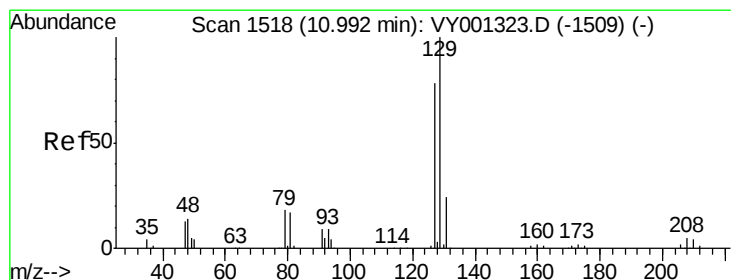
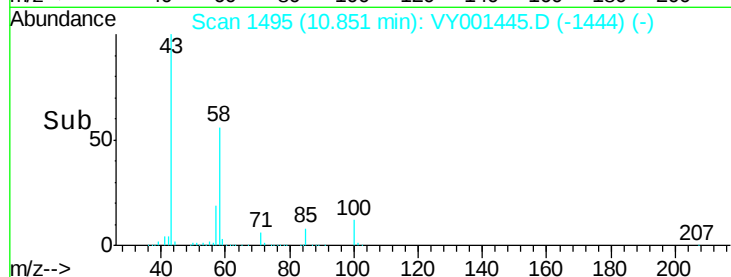
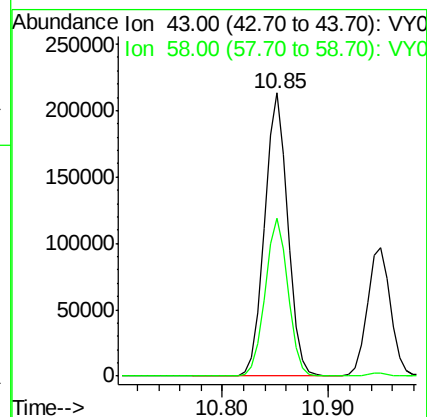
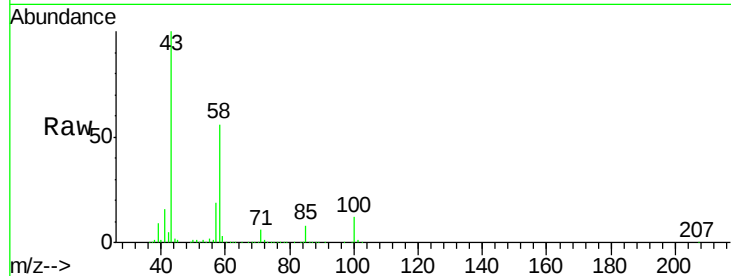




#59
2-Hexanone
Concen: 245.84 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

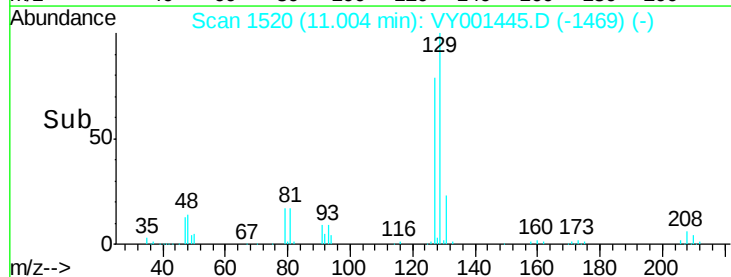
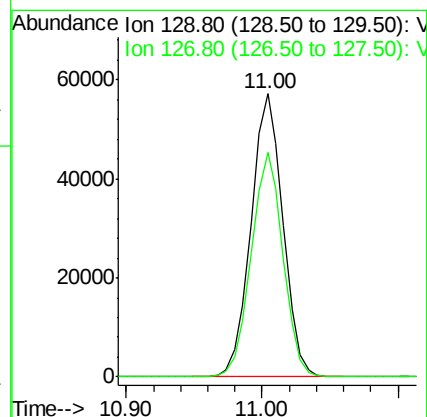
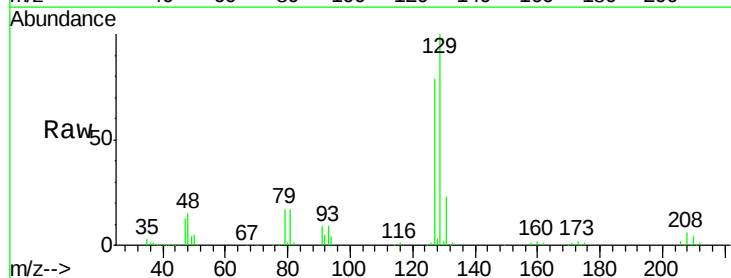
Instrument :
MSVOA_Y
ClientSampleId :
BFB

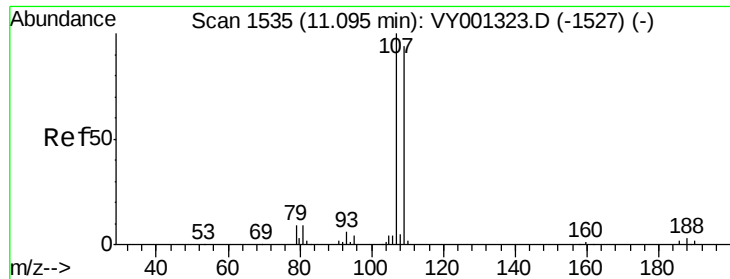
Tgt Ion: 43 Resp: 325146
Ion Ratio Lower Upper
43 100
58 55.2 27.6 82.8



#60
Dibromochloromethane
Concen: 45.10 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 129 Resp: 94069
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.4

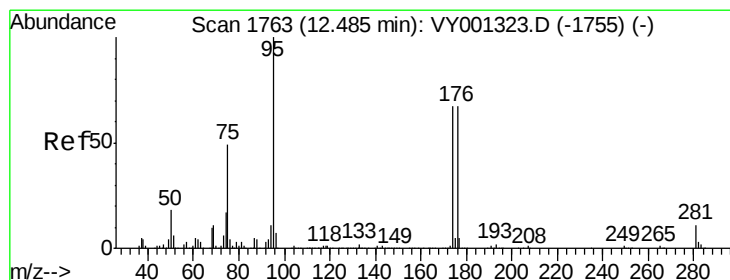
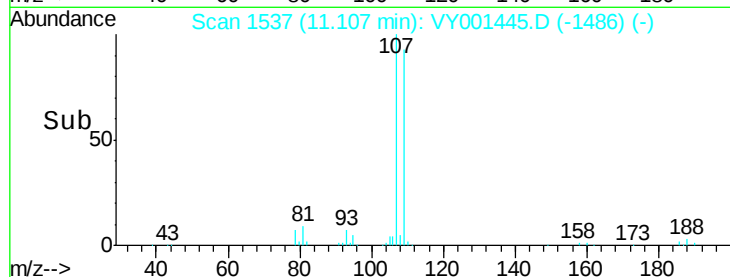
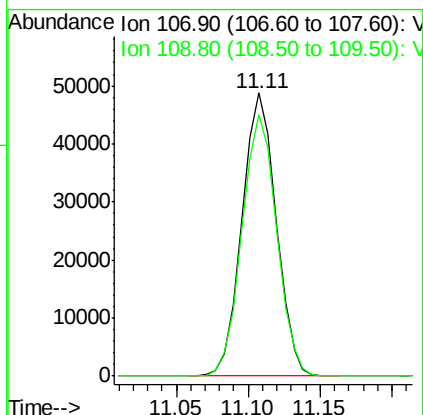
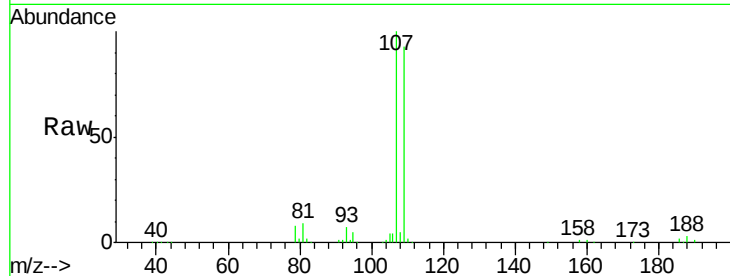




#61
 1,2-Dibromoethane
 Concen: 45.43 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

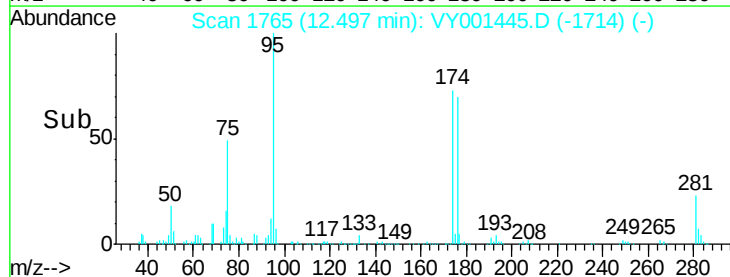
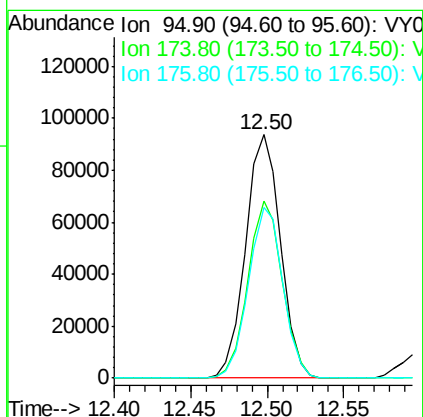
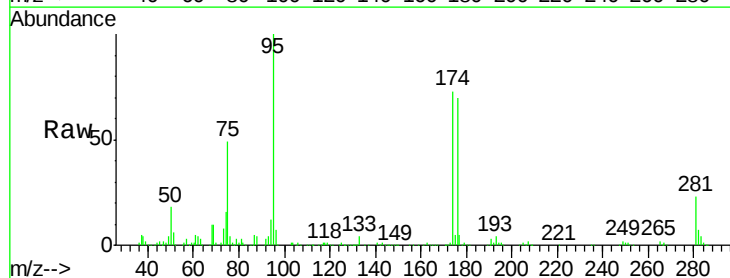
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

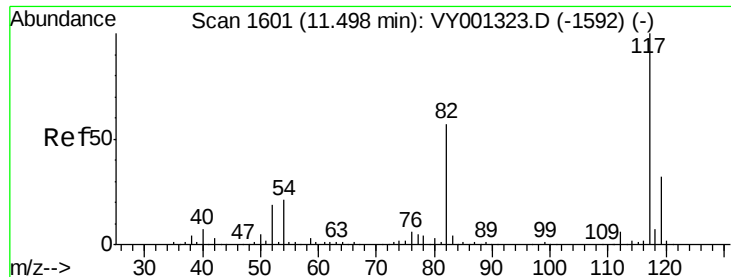
Tgt Ion: 107 Resp: 80095
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.71 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 95 Resp: 148353
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 142.0
 176 69.6 0.0 138.6

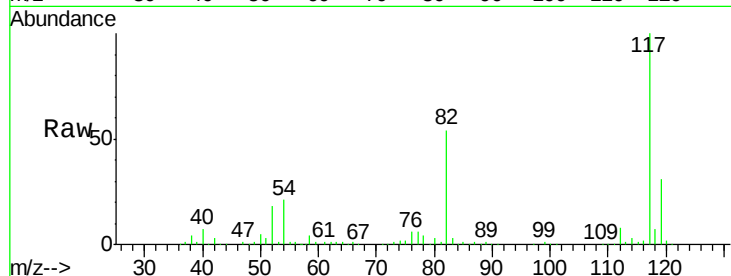




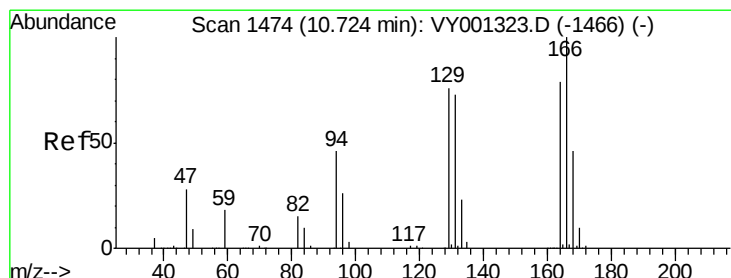
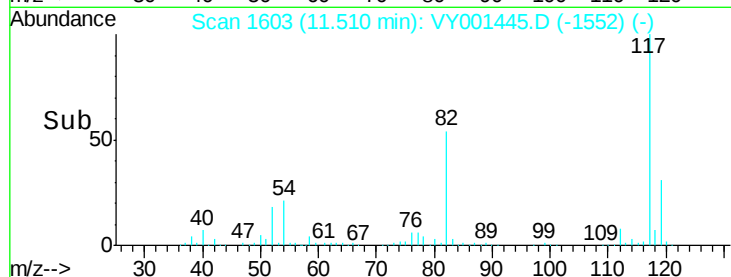
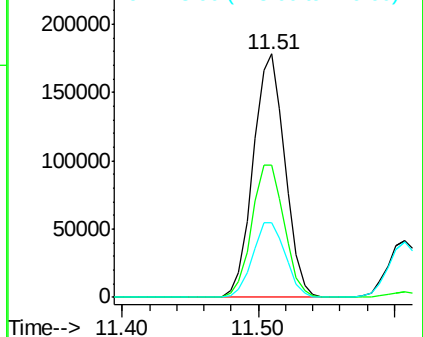
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Instrument :
MSVOA_Y
ClientSampled :
BFB

Tgt Ion:117 Resp: 291111
Ion Ratio Lower Upper
117 100
82 54.4 45.5 68.3
119 30.8 25.8 38.6



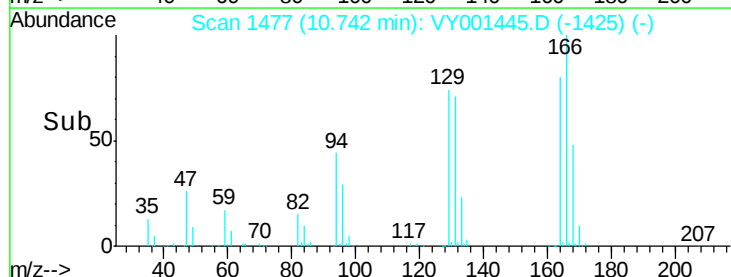
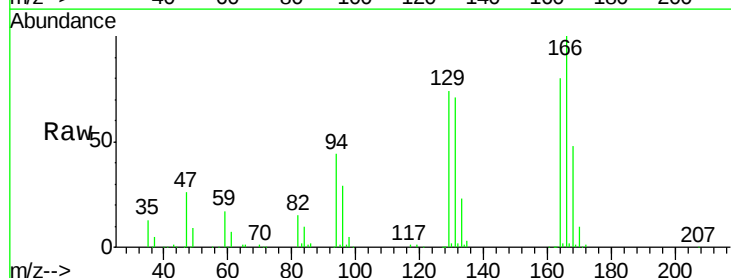
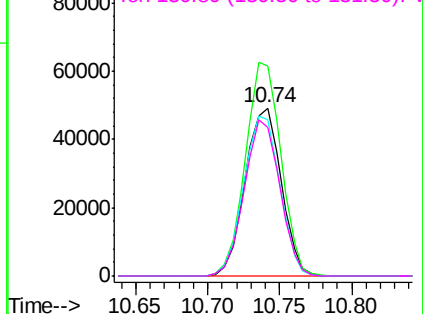
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.75 ug/l
RT: 10.74 min Scan# 1477
Delta R.T. 0.02 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion:164 Resp: 85073
Ion Ratio Lower Upper
164 100
166 125.2 101.8 152.8
129 93.1 77.1 115.7
131 88.8 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

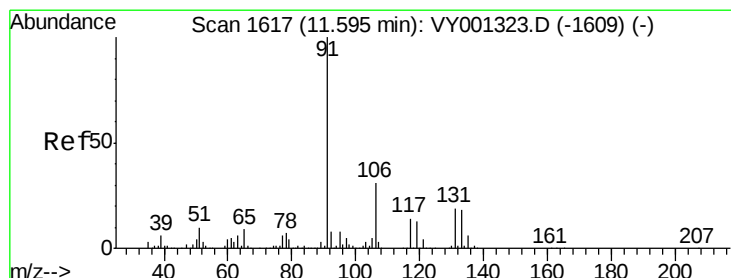
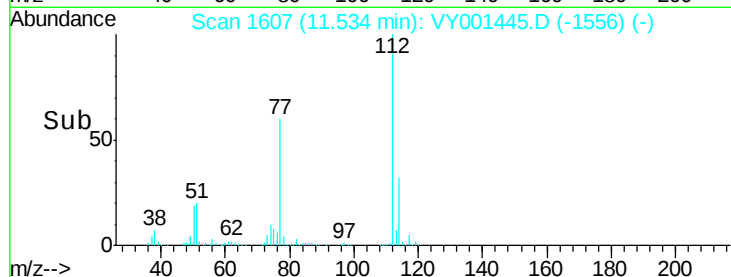
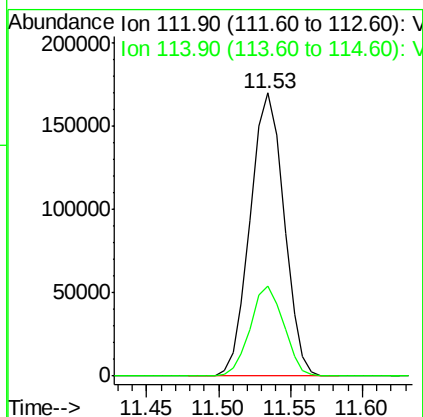
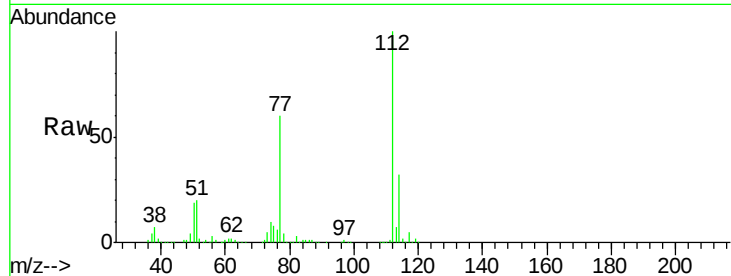




#65
Chlorobenzene
Concen: 45.18 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

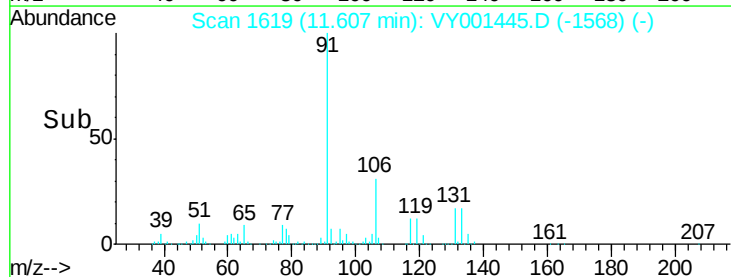
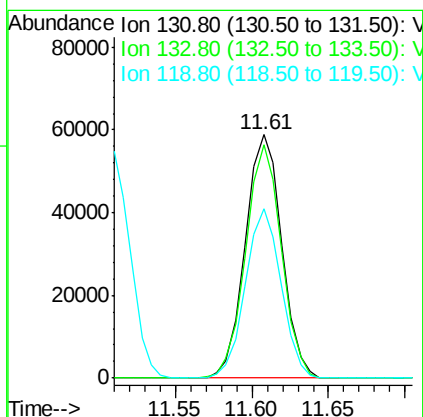
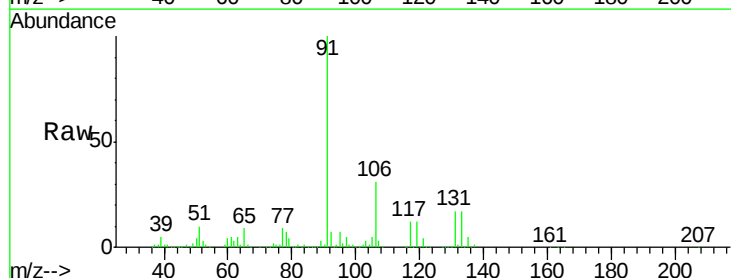
Instrument :
MSVOA_Y
ClientSampleId :
BFB

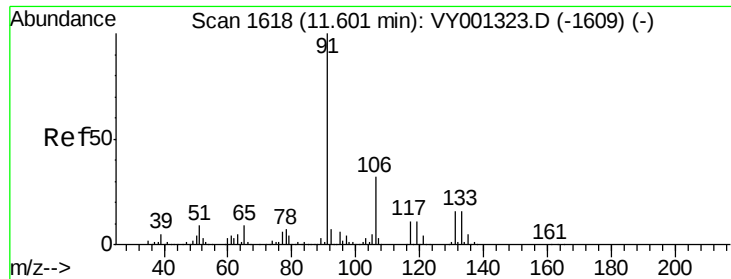
Tgt Ion:112 Resp: 277238
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 46.55 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion:131 Resp: 97474
Ion Ratio Lower Upper
131 100
133 94.0 47.1 141.3
119 68.2 34.1 102.2





#67

Ethyl Benzene

Concen: 46.18 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampled :

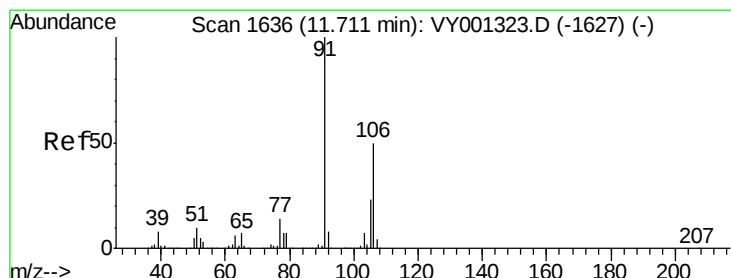
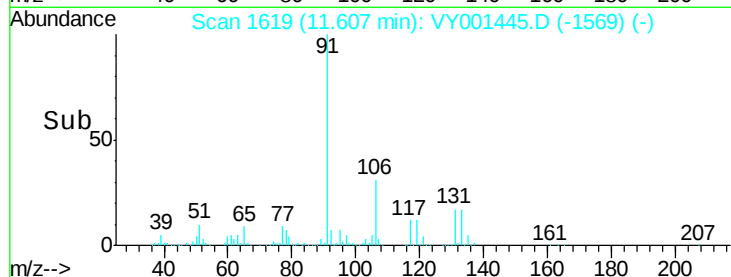
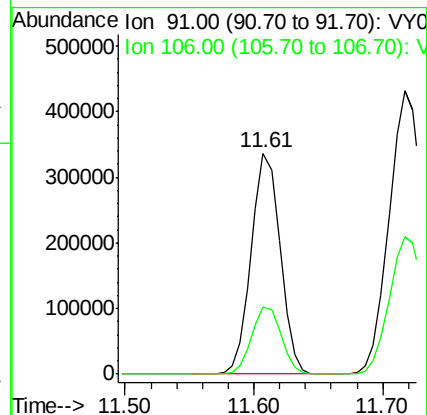
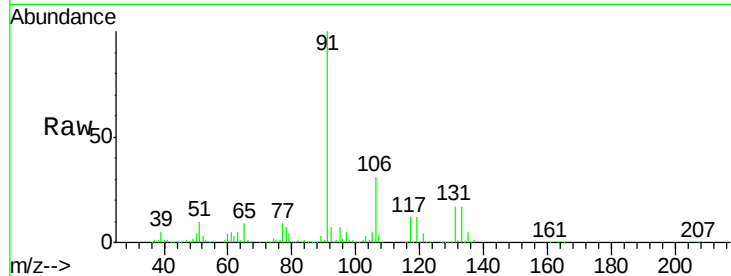
BFB

Tgt Ion: 91 Resp: 522197

Ion Ratio Lower Upper

91 100

106 30.7 25.4 38.0



#68

m/p-Xylenes

Concen: 92.37 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY001445.D

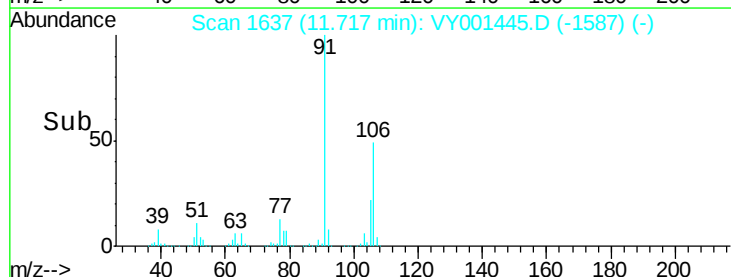
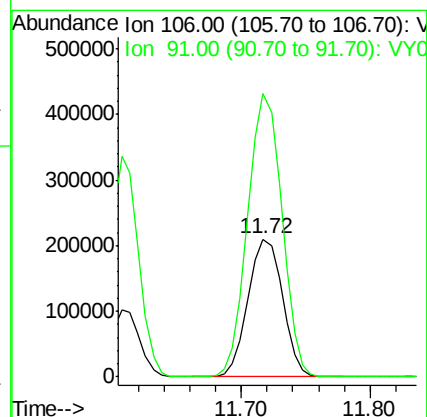
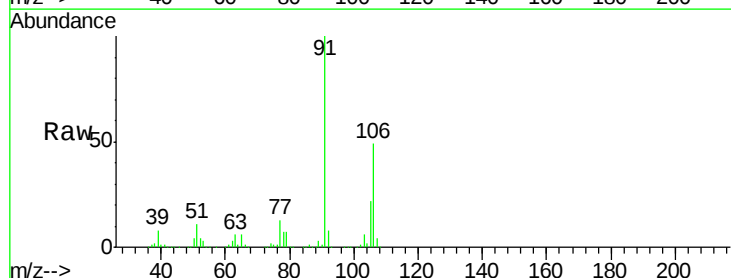
Acq: 31 Jan 2020 10:59

Tgt Ion: 106 Resp: 390124

Ion Ratio Lower Upper

106 100

91 203.5 162.8 244.2

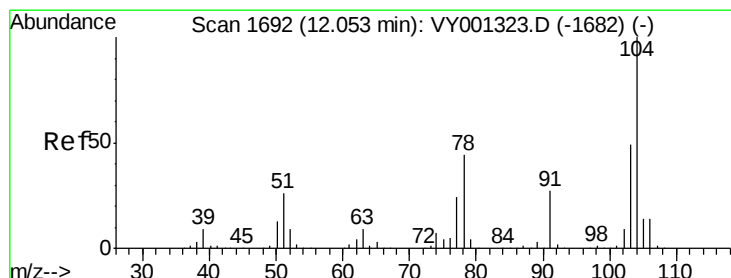
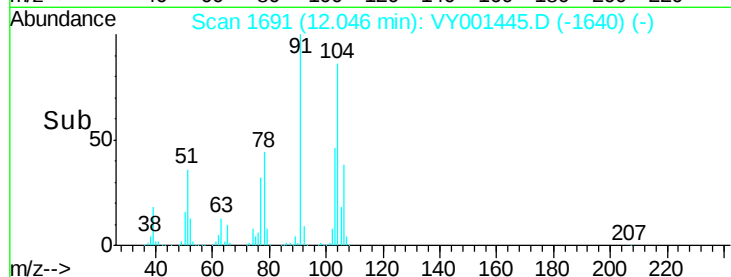
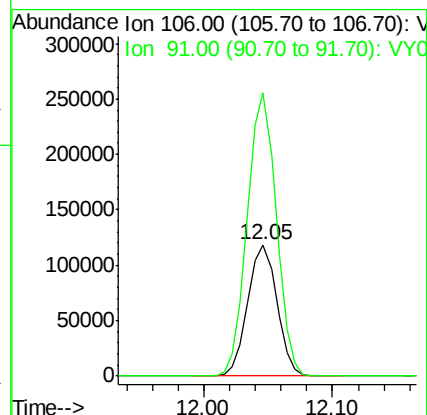
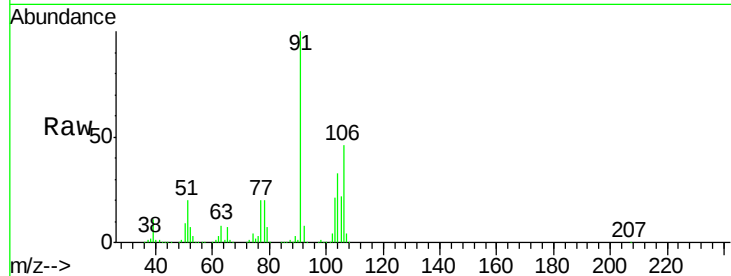




#69
o-Xylene
Concen: 45.78 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

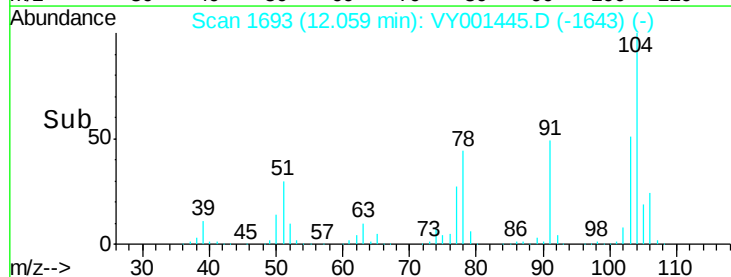
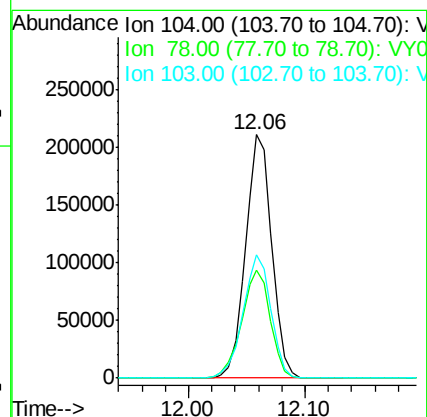
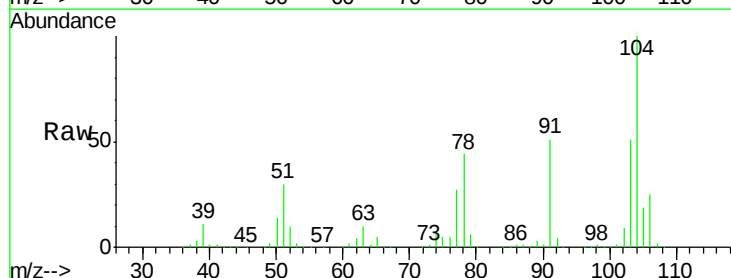
Instrument :
MSVOA_Y
ClientSampleId :
BFB

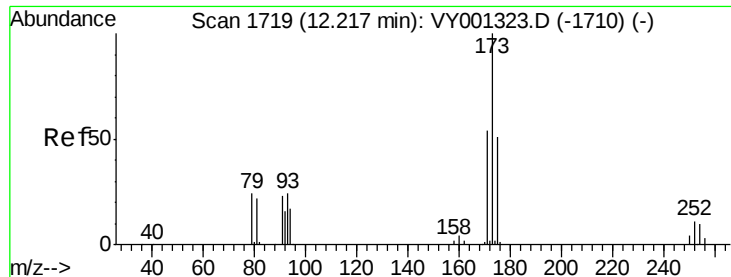
Tgt Ion:106 Resp: 185990
Ion Ratio Lower Upper
106 100
91 213.1 106.3 319.0



#70
Styrene
Concen: 46.33 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion:104 Resp: 330299
Ion Ratio Lower Upper
104 100
78 48.3 39.8 59.8
103 53.8 43.2 64.8





#71

Bromoform

Concen: 45.02 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampled :

BFB

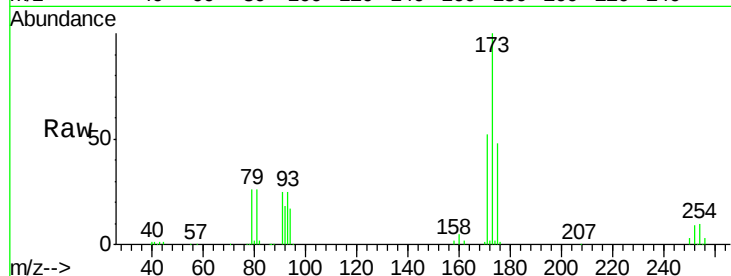
Tgt Ion:173 Resp: 56275

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.9

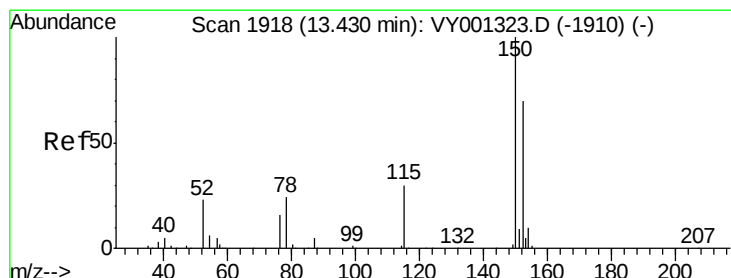
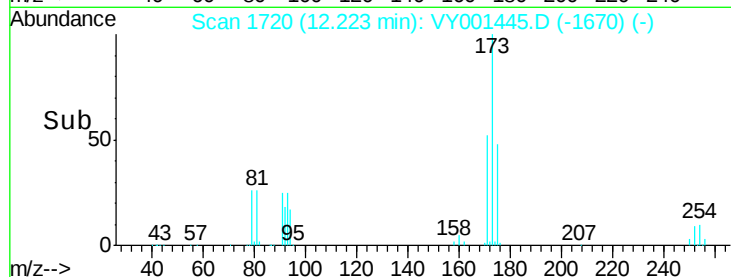
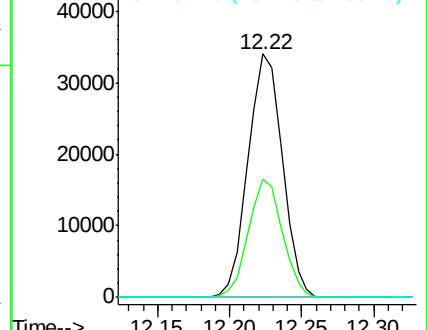
254 0.1 0.0 0.0#



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# 1920

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

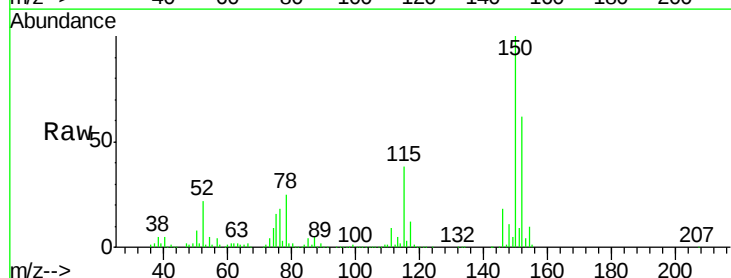
Tgt Ion:152 Resp: 139476

Ion Ratio Lower Upper

152 100

115 62.0 30.9 92.8

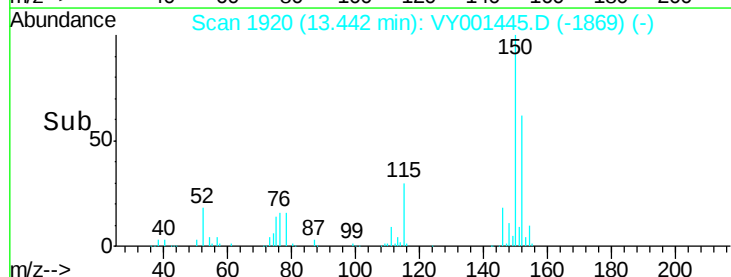
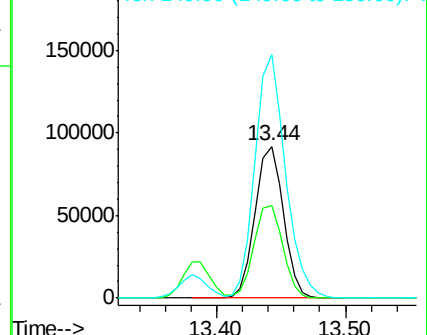
150 172.5 0.0 349.2

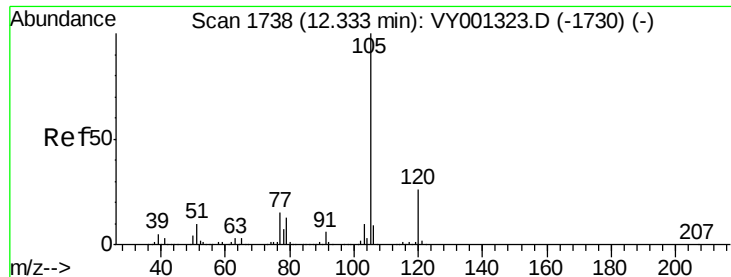


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.20 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

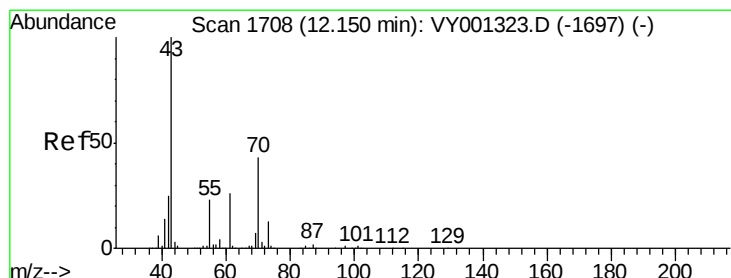
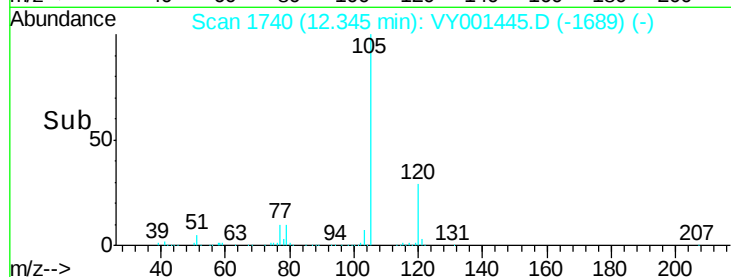
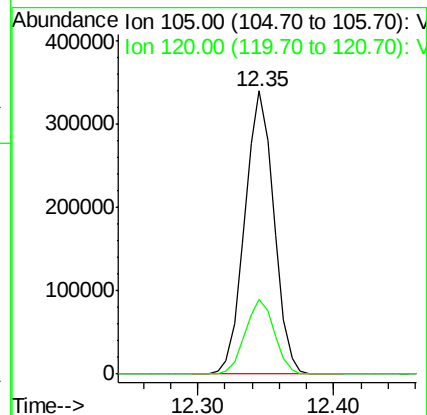
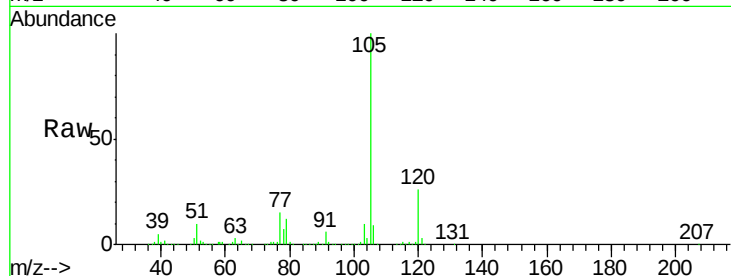
BFB

Tgt Ion: 105 Resp: 508498

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4



#74

N-ethyl acetate

Concen: 45.66 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Tgt Ion: 43 Resp: 164505

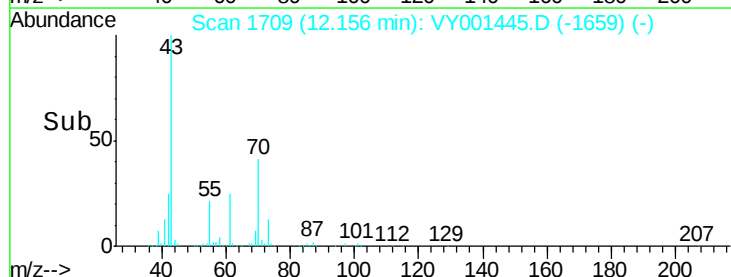
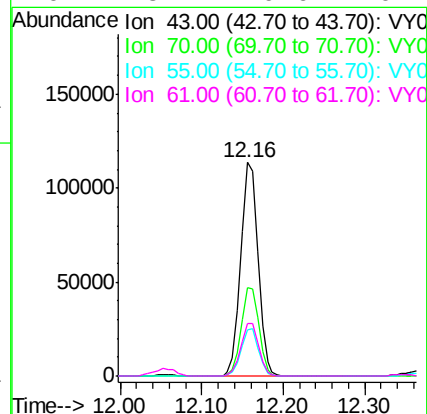
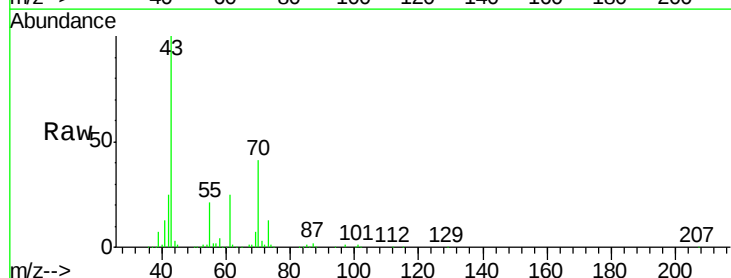
Ion Ratio Lower Upper

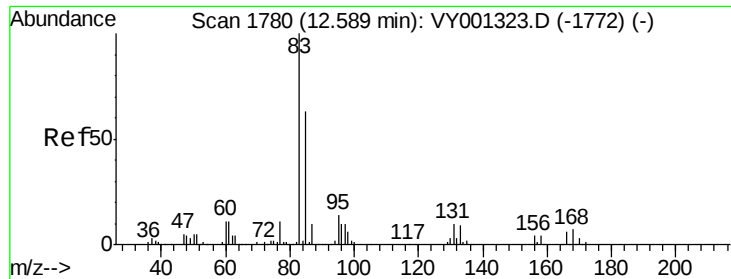
43 100

70 42.2 33.5 50.3

55 22.4 18.2 27.2

61 25.2 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.09 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

BFB

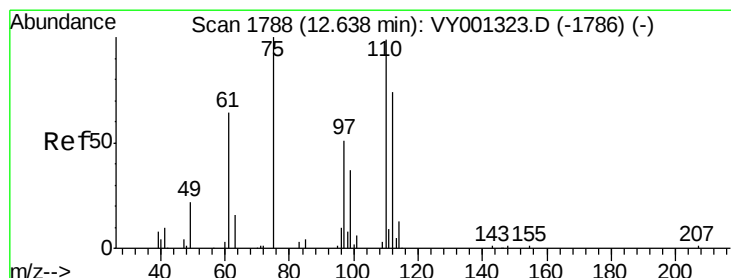
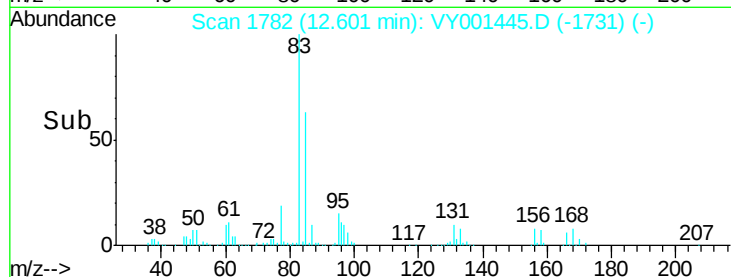
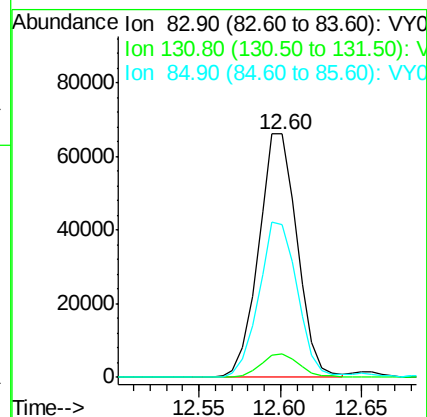
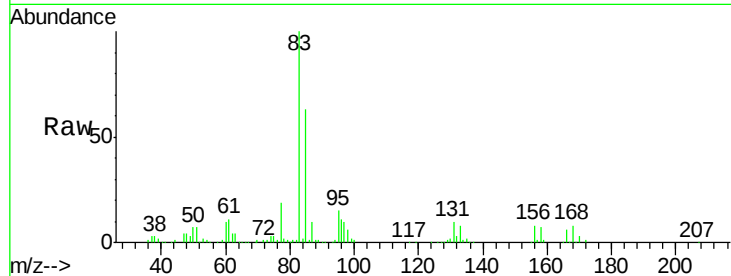
Tgt Ion: 83 Resp: 108633

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

85 63.7 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 84.95 ug/l

RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY001445.D

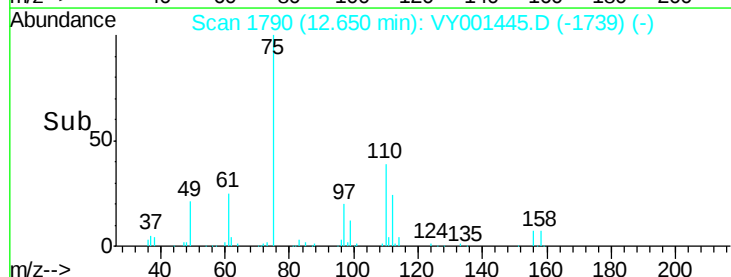
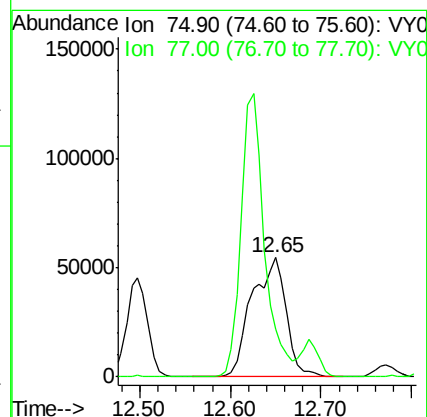
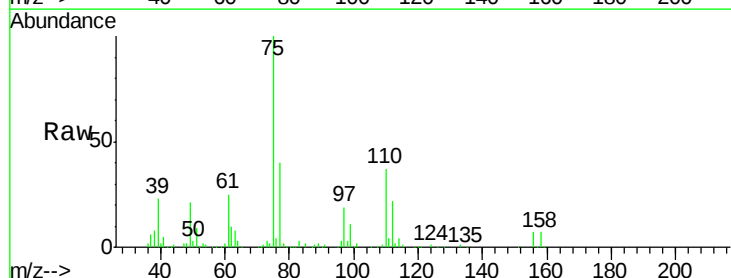
Acq: 31 Jan 2020 10:59

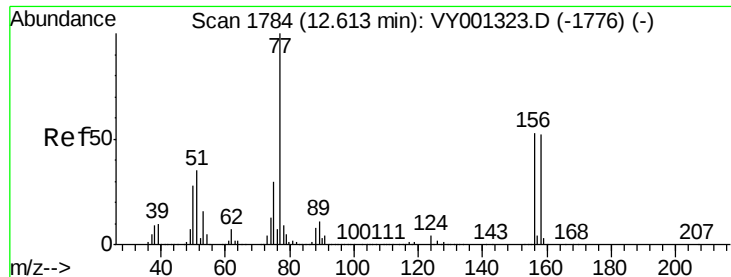
Tgt Ion: 75 Resp: 142783

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.86 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampled :

BFB

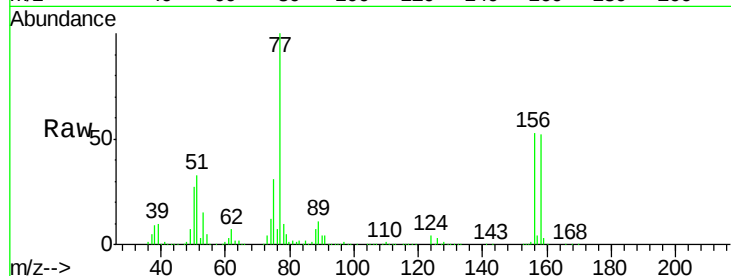
Tgt Ion: 156 Resp: 109361

Ion Ratio Lower Upper

156 100

77 213.2 104.7 313.9

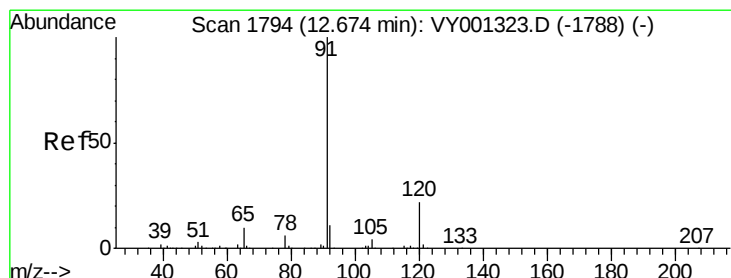
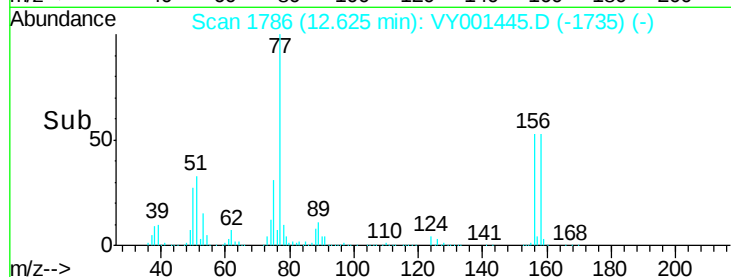
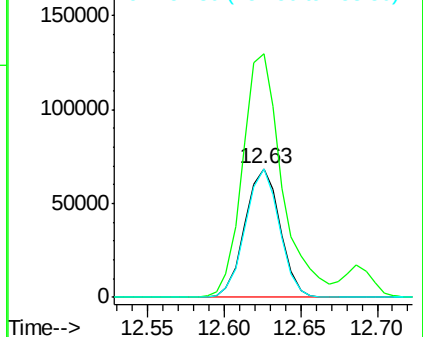
158 96.2 48.6 145.8



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: 46.81 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001445.D

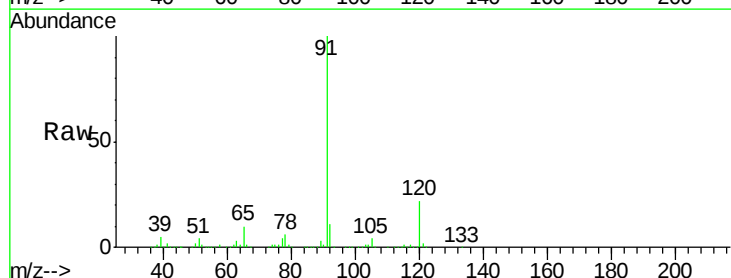
Acq: 31 Jan 2020 10:59

Tgt Ion: 91 Resp: 620063

Ion Ratio Lower Upper

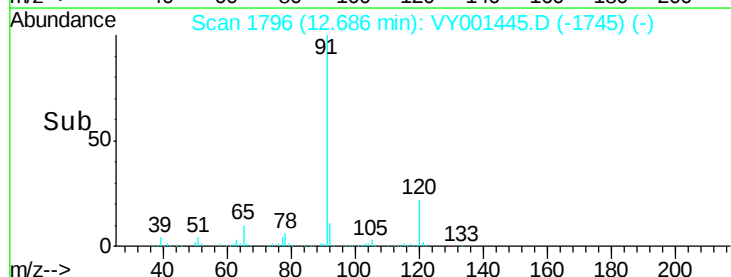
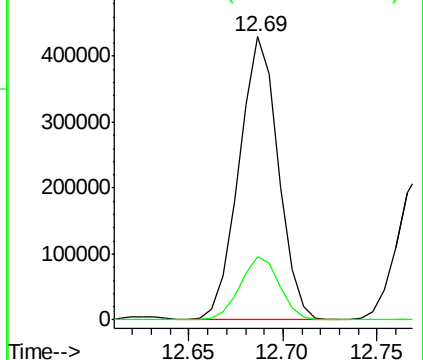
91 100

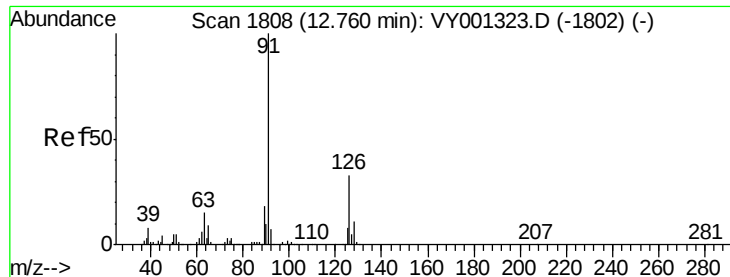
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.51 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampled :

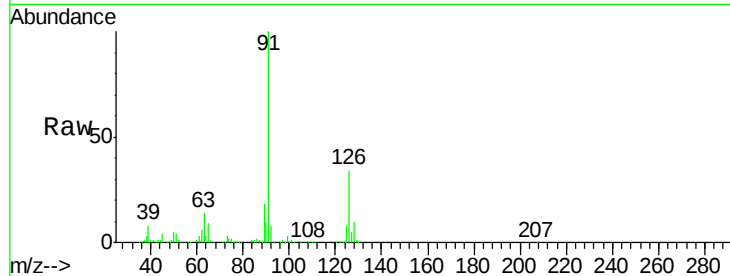
BFB

Tgt Ion: 91 Resp: 344404

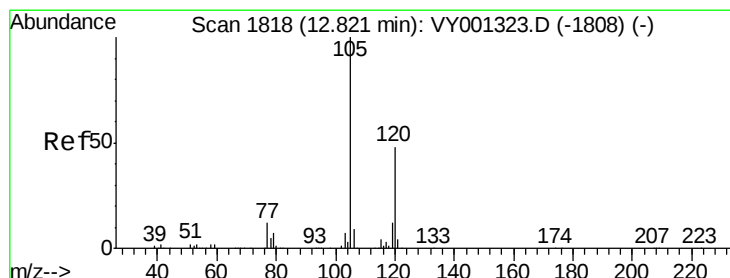
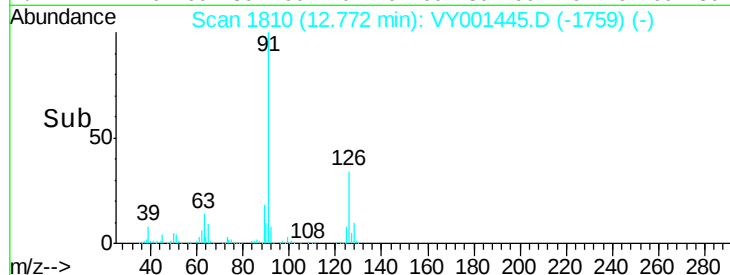
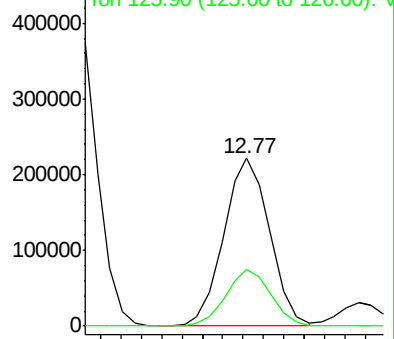
Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VY001323.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.23 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001445.D

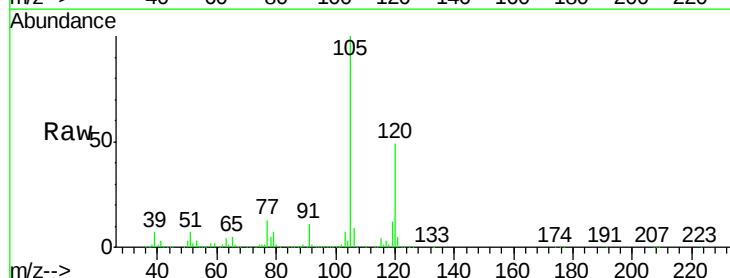
Acq: 31 Jan 2020 10:59

Tgt Ion: 105 Resp: 424721

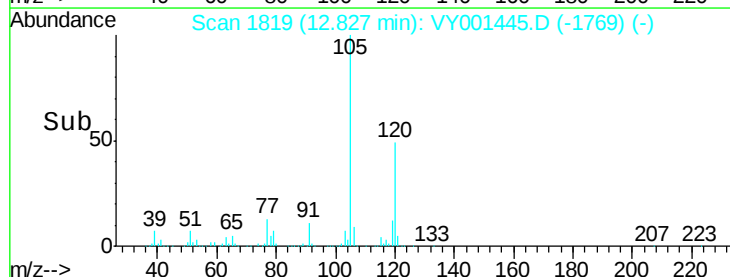
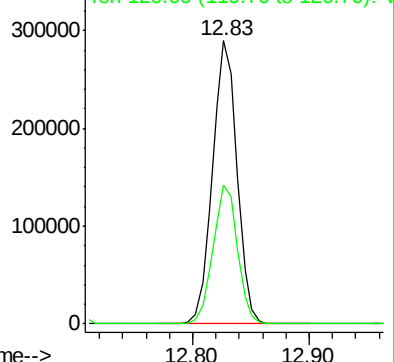
Ion Ratio Lower Upper

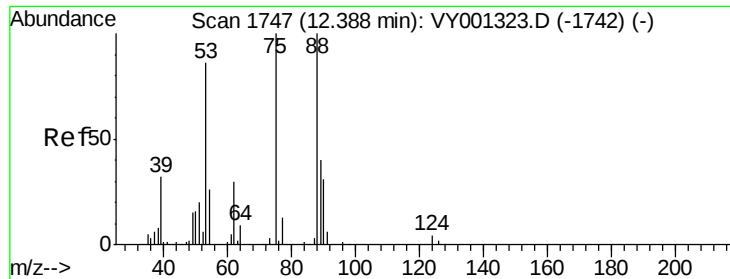
105 100

120 48.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001323.D (-1808) (-)

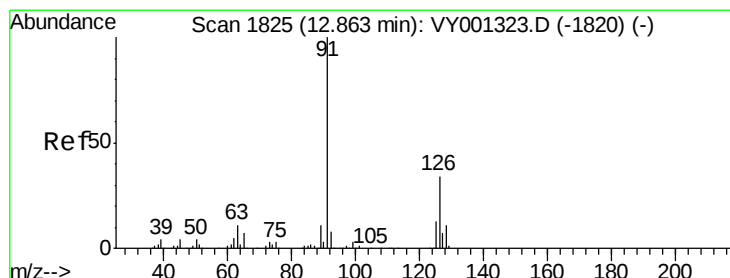
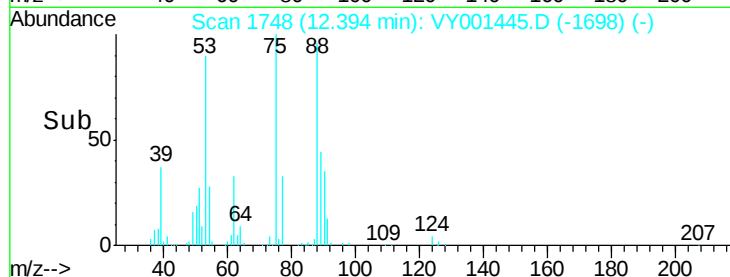
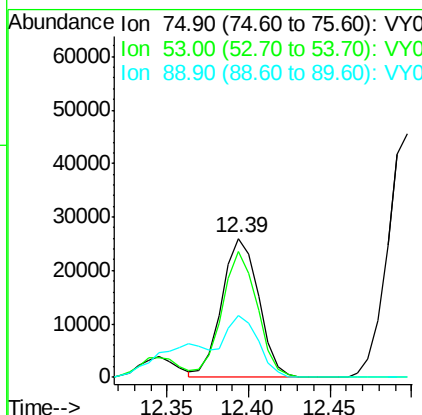
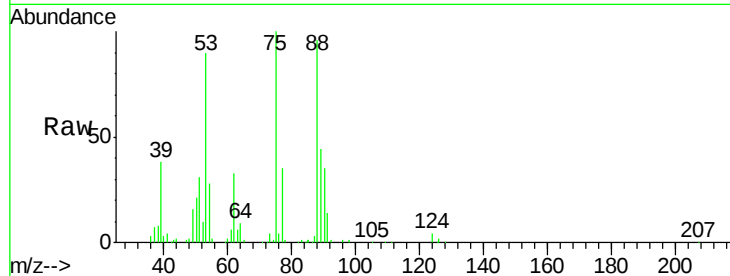




#81
trans-1,4-Dichloro-2-butene
Concen: 45.94 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

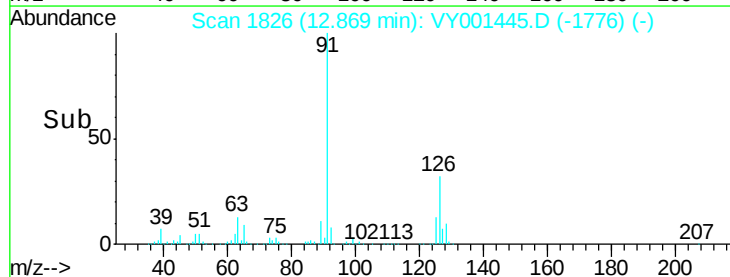
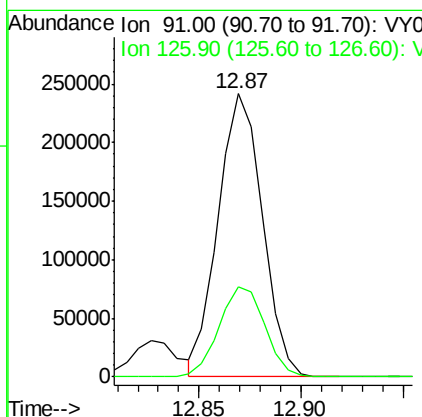
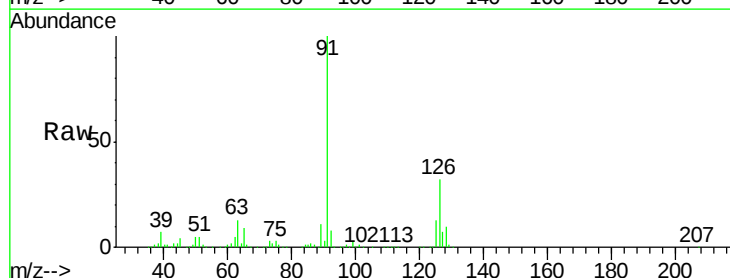
Instrument :
MSVOA_Y
ClientSampled :
BFB

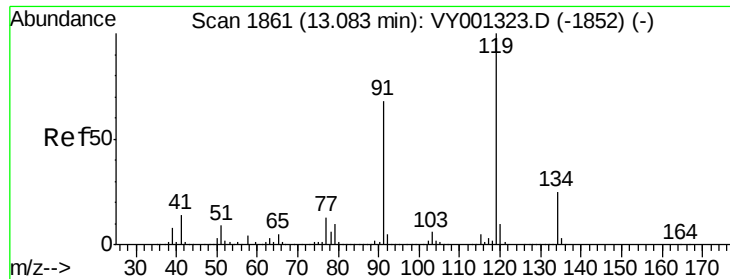
Tgt Ion: 75 Resp: 40798
Ion Ratio Lower Upper
75 100
53 86.7 69.9 104.9
89 41.8 36.6 54.8



#82
4-Chlorotoluene
Concen: 44.80 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 91 Resp: 362162
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.4

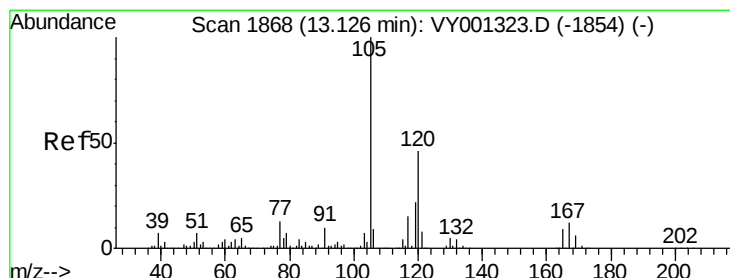
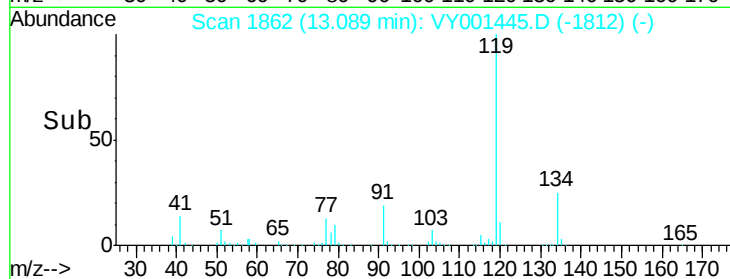
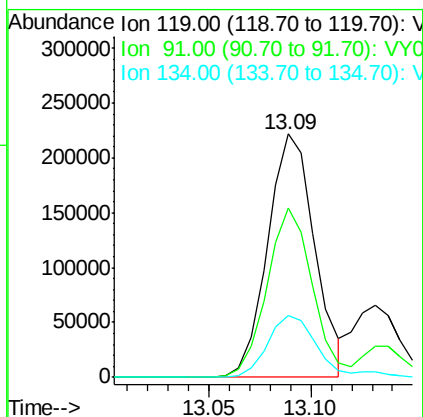
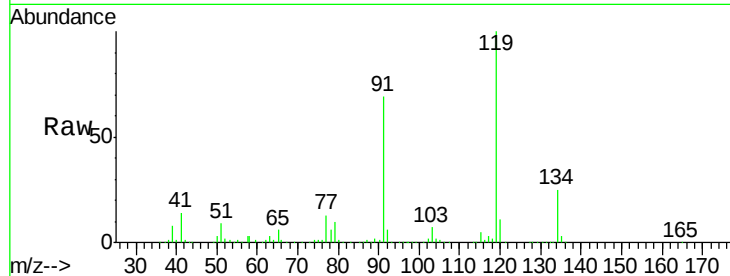




#83
 tert-Butylbenzene
 Concen: 46.05 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

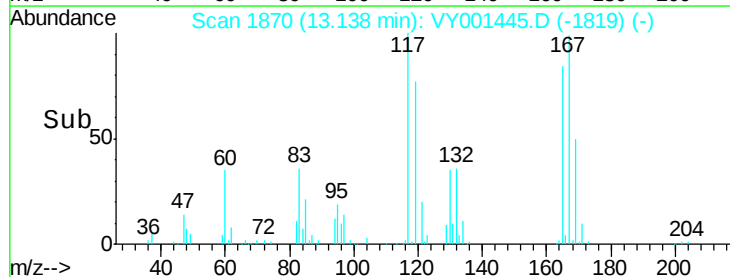
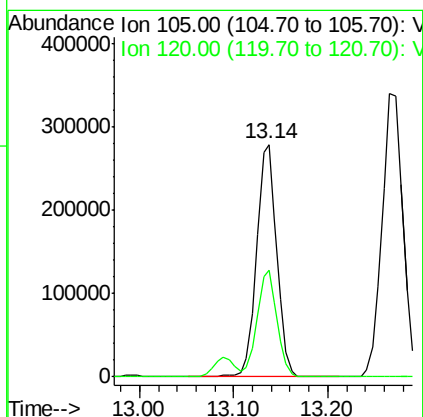
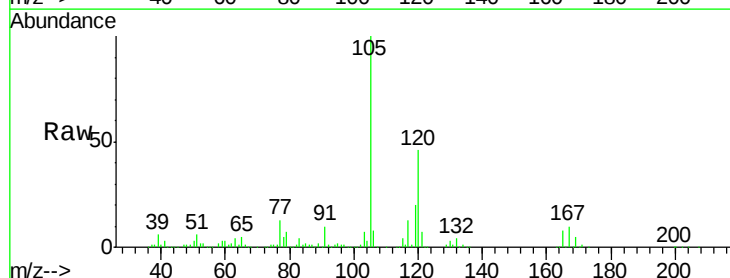
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

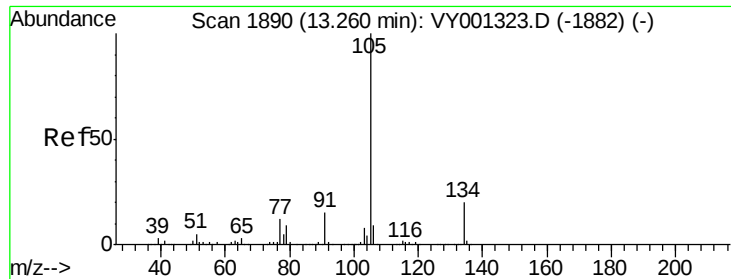
Tgt Ion:119 Resp: 356582
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.0 99.0
 134 27.3 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 45.68 ug/l
 RT: 13.14 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion:105 Resp: 421361
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.62 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

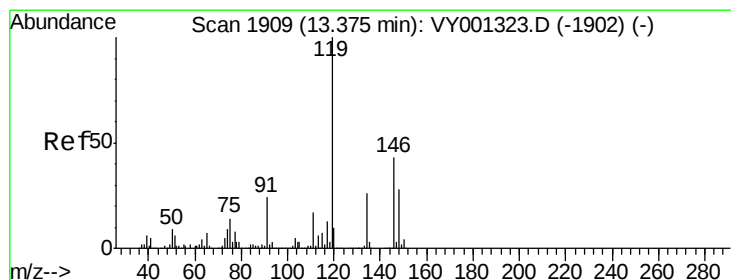
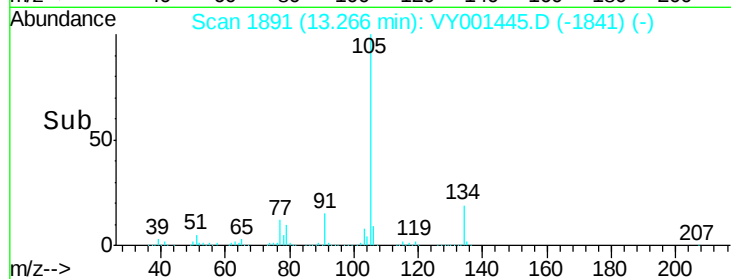
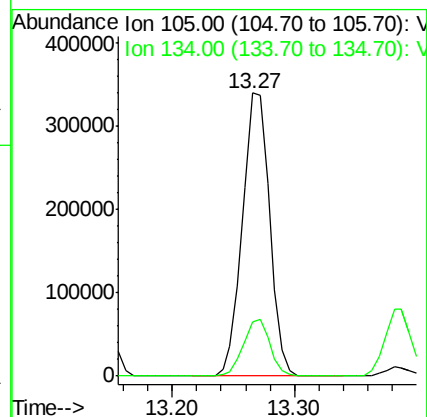
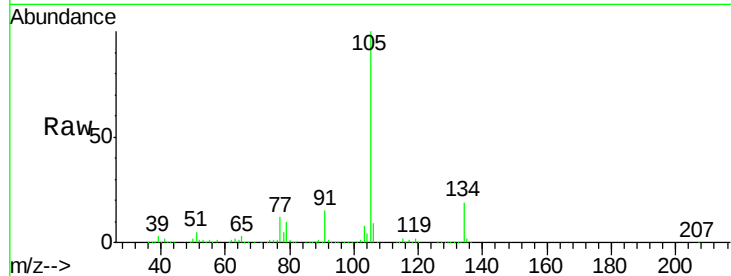
BFB

Tgt Ion:105 Resp: 523902

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 47.19 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

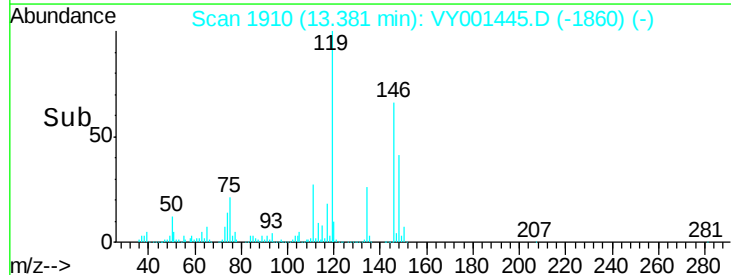
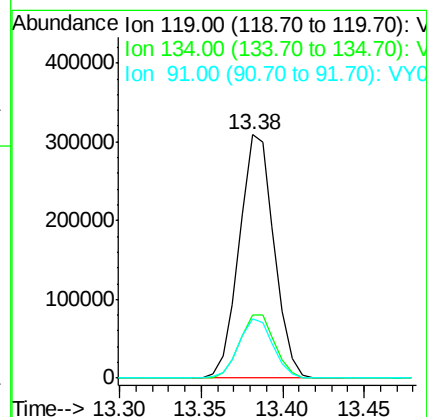
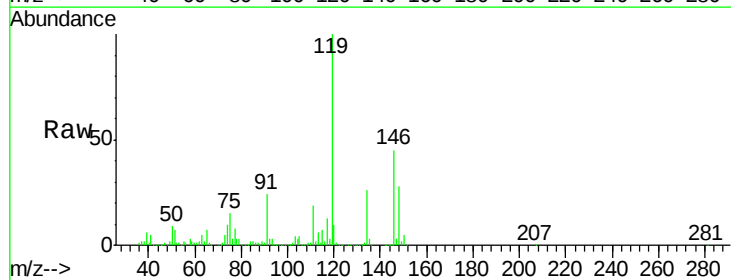
Tgt Ion:119 Resp: 457494

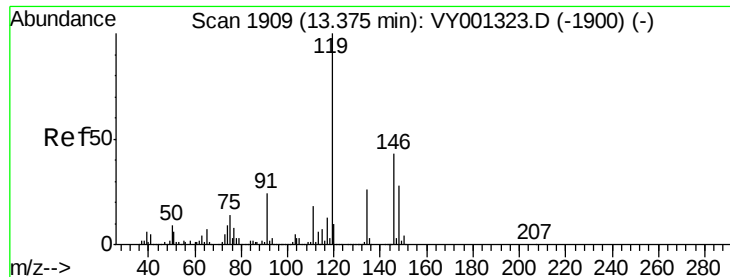
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 24.1 12.2 36.6

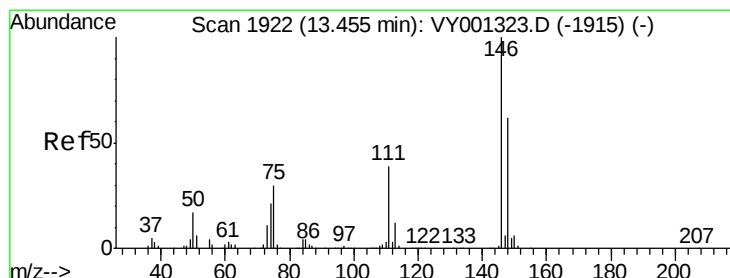
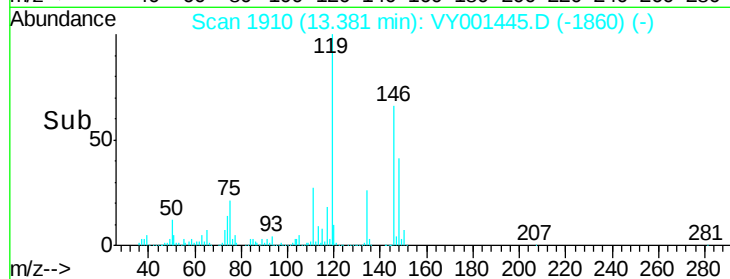
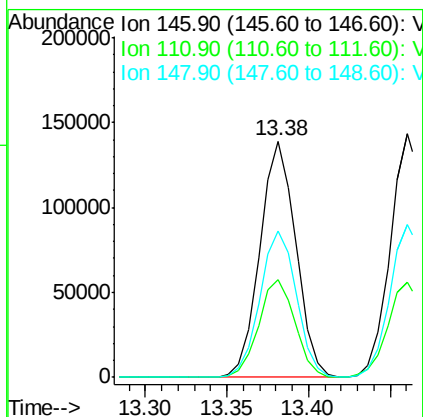
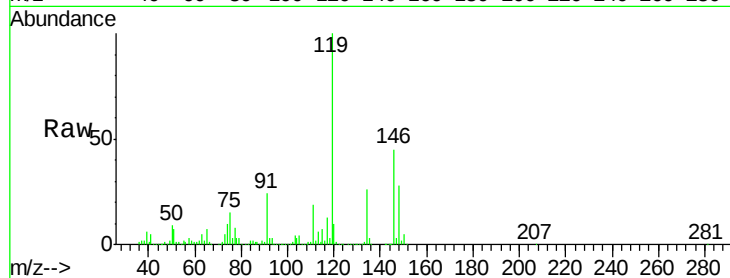




#87
 1,3-Dichlorobenzene
 Concen: 45.42 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

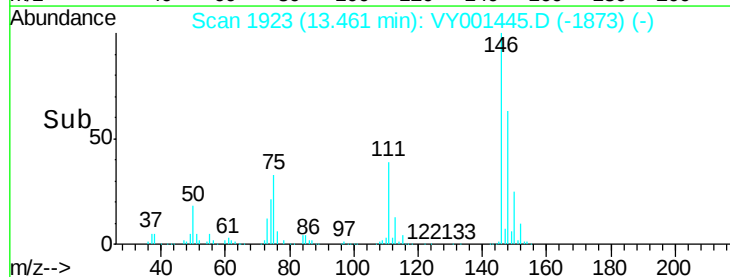
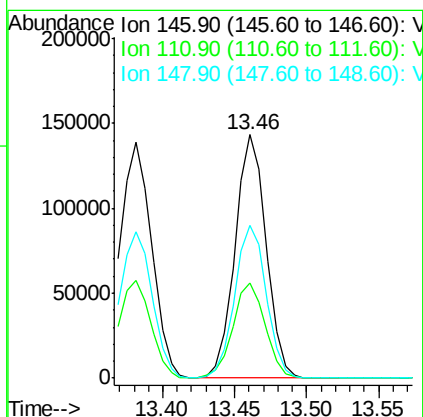
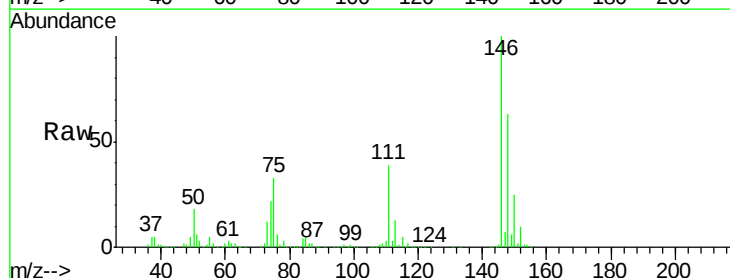
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

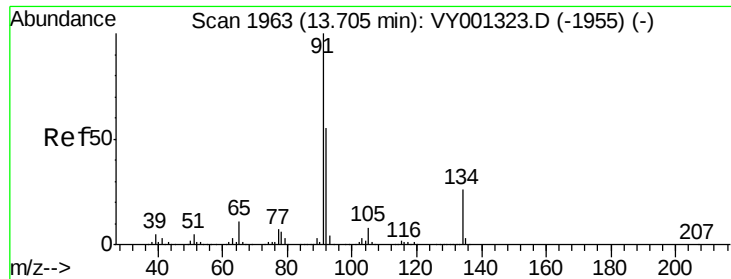
Tgt Ion:146 Resp: 213222
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.8
 148 63.0 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 45.06 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion:146 Resp: 214799
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.5
 148 63.9 31.6 95.0

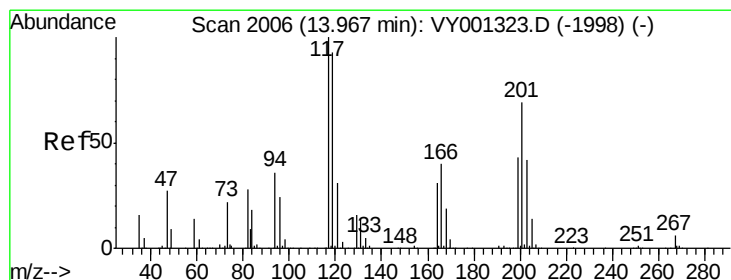
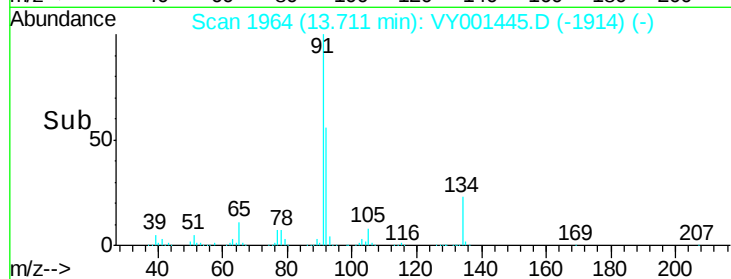
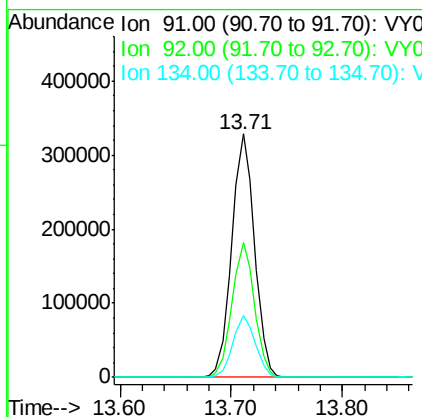
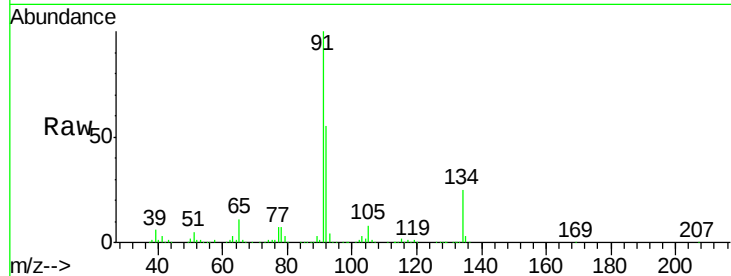




#89
n-Butylbenzene
Concen: 47.57 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

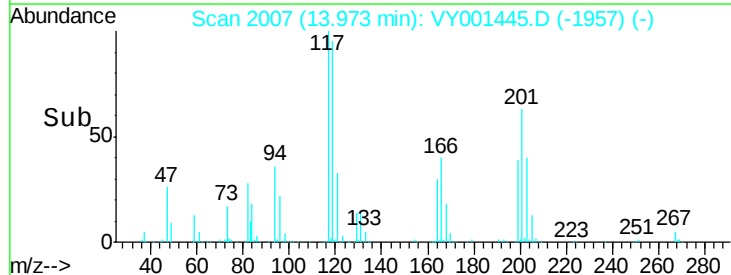
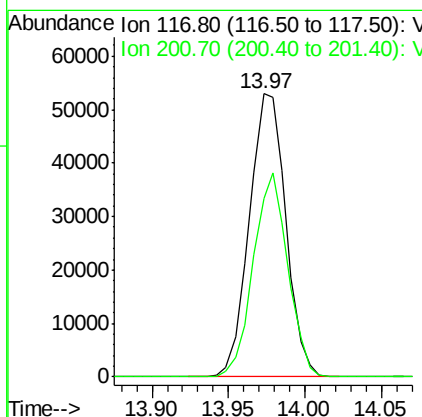
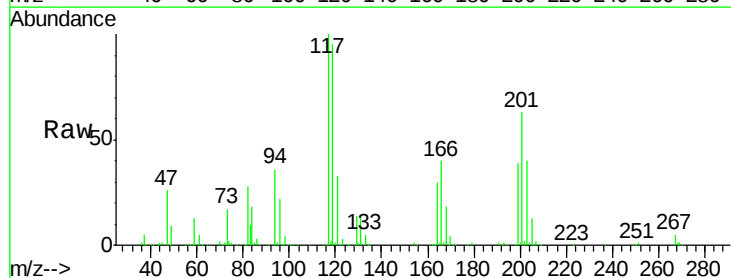
Instrument :
MSVOA_Y
ClientSampled :
BFB

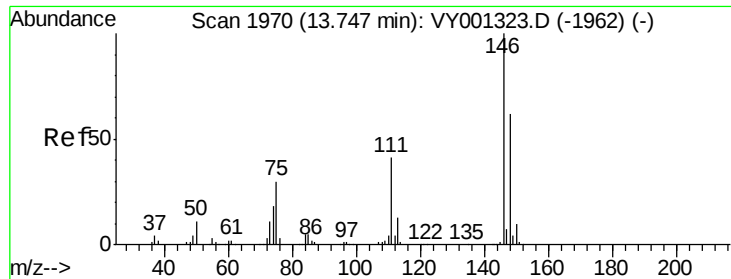
Tgt Ion: 91 Resp: 464154
Ion Ratio Lower Upper
91 100
92 54.7 27.6 82.8
134 25.0 12.9 38.6



#90
Hexachloroethane
Concen: 47.93 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001445.D
Acq: 31 Jan 2020 10:59

Tgt Ion: 117 Resp: 88096
Ion Ratio Lower Upper
117 100
201 68.0 34.6 103.8

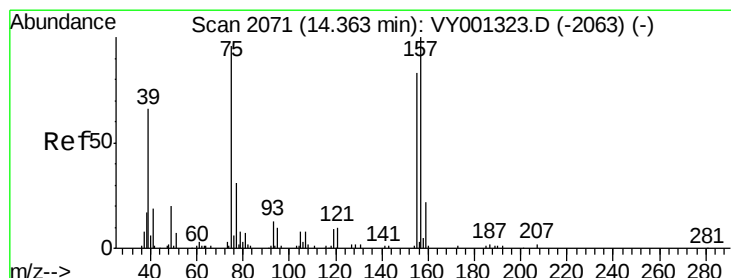
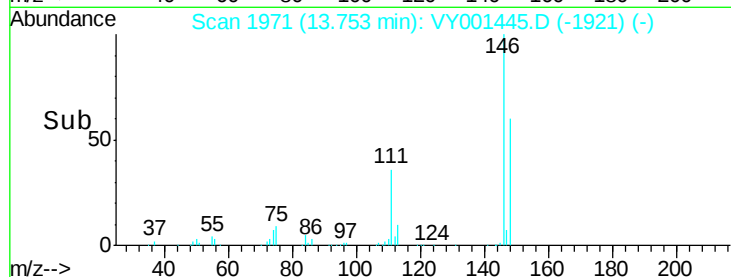
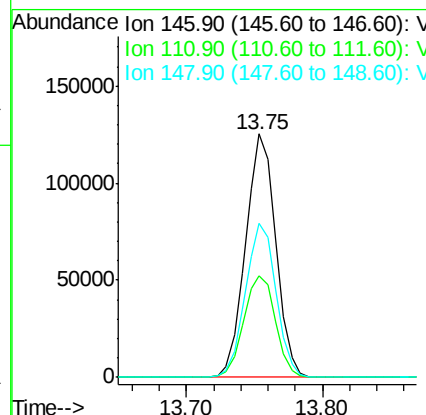
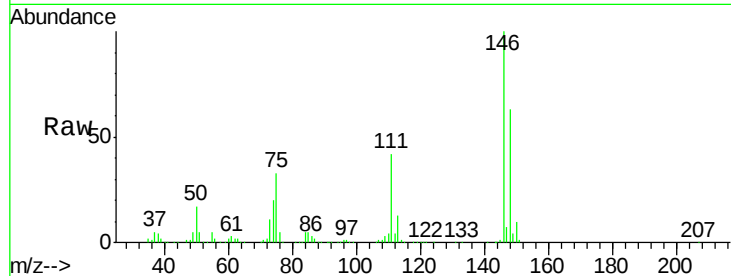




#91
 1,2-Dichlorobenzene
 Concen: 44.89 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

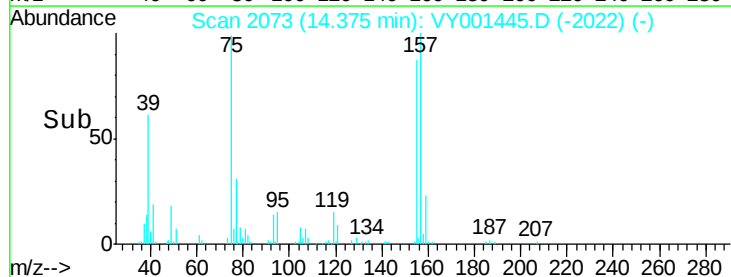
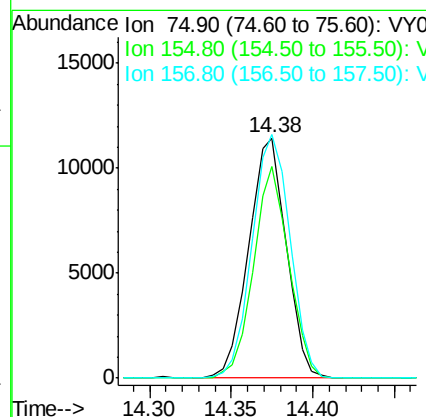
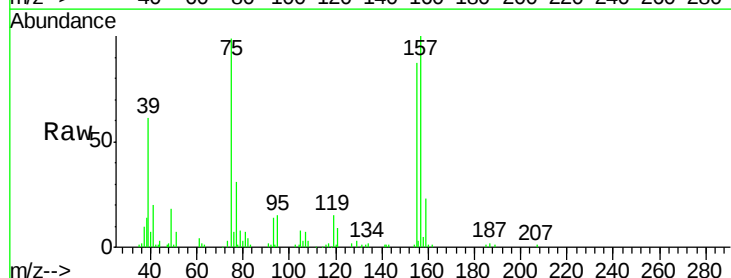
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

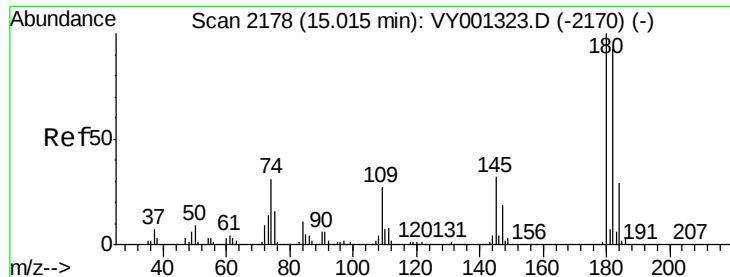
Tgt Ion:146 Resp: 194340
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.4
 148 64.2 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.13 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion: 75 Resp: 18357
 Ion Ratio Lower Upper
 75 100
 155 83.0 43.0 129.2
 157 102.9 53.3 160.0

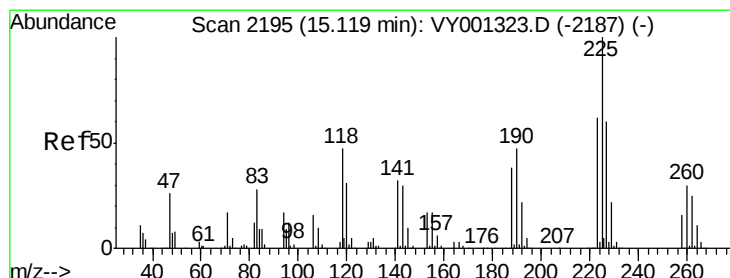
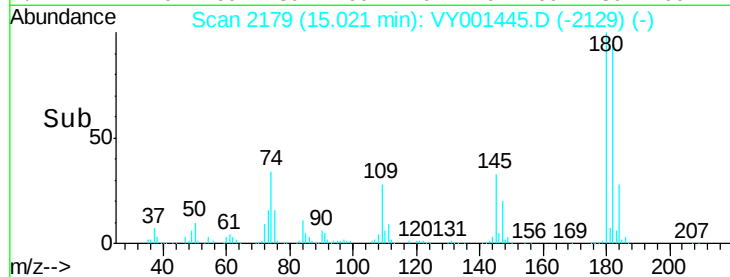
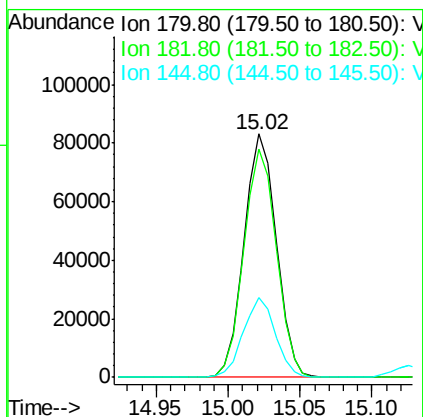
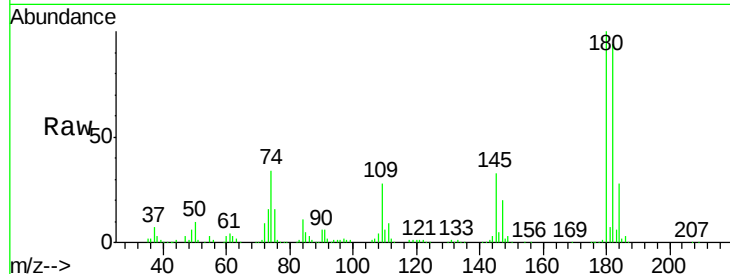




#93
 1,2,4-Trichlorobenzene
 Concen: 44.31 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

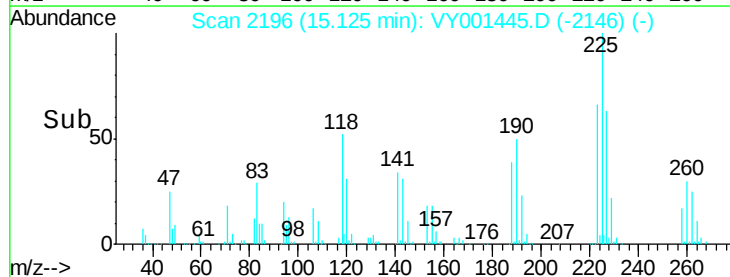
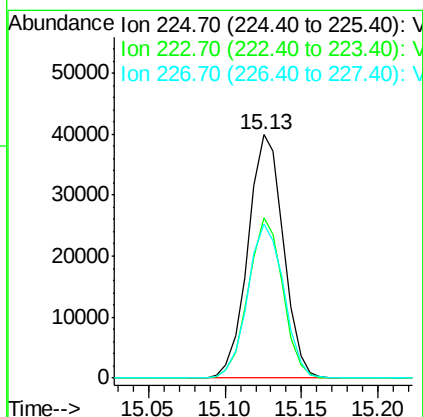
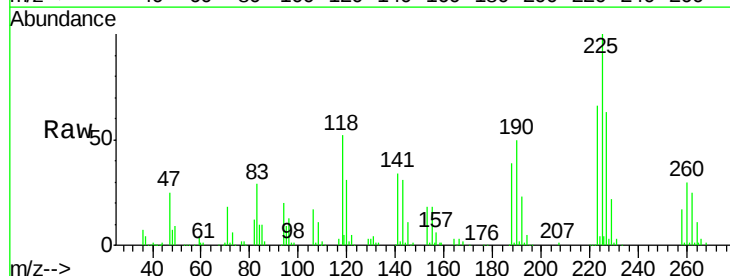
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

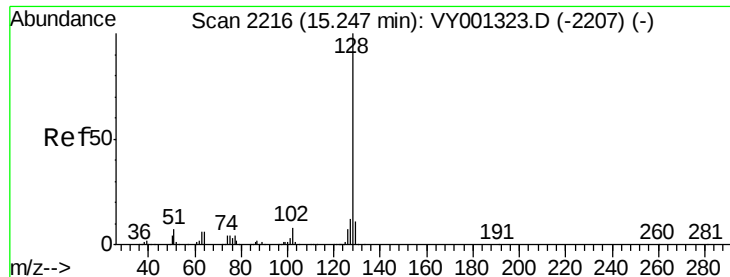
Tgt Ion:180 Resp: 128764
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.8
 145 32.6 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 45.31 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001445.D
 Acq: 31 Jan 2020 10:59

Tgt Ion:225 Resp: 64110
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.2 93.6
 227 64.7 31.0 93.0





#95

Naphthalene

Concen: 45.60 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA_Y

ClientSampleId :

BFB

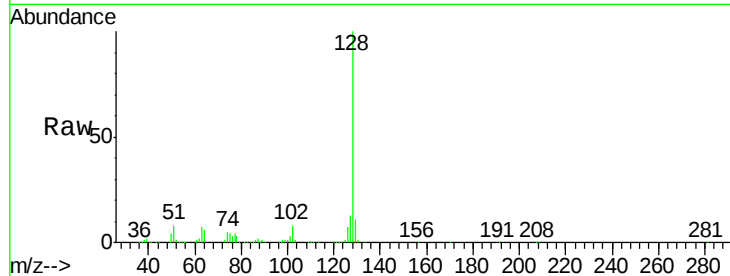
Tgt Ion:128 Resp: 303015

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

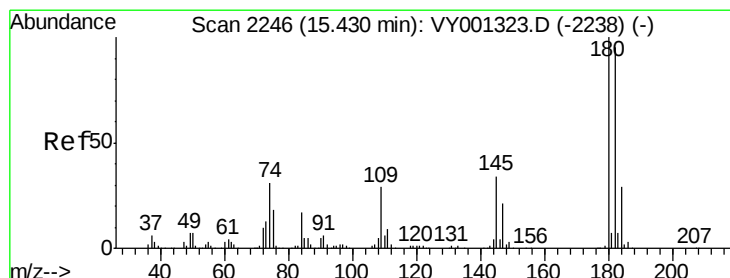
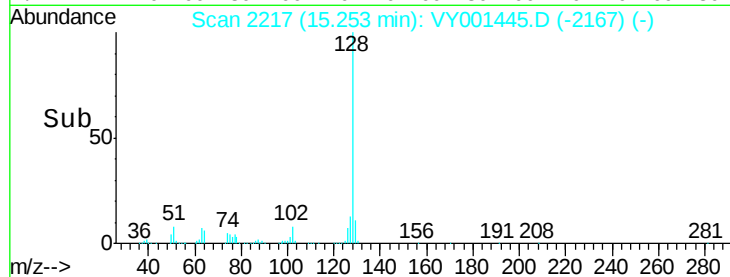
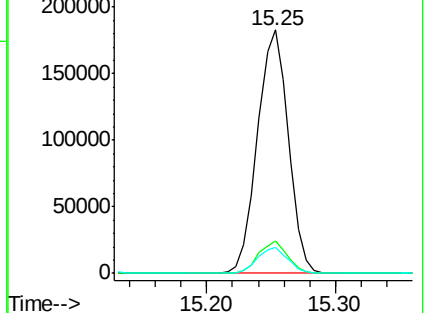
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.70 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

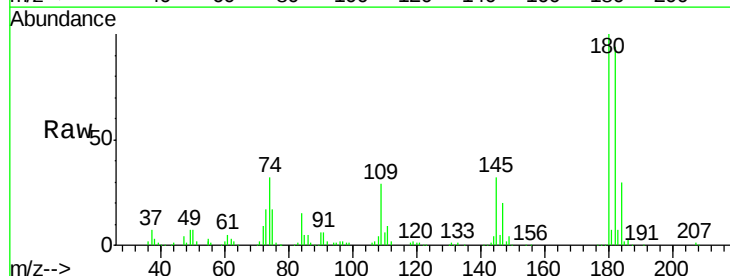
Tgt Ion:180 Resp: 113934

Ion Ratio Lower Upper

180 100

182 93.8 47.3 141.8

145 33.2 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

