

Data File : VW014999.D
Acq On : 17 Feb 2020 11:49
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB303

Quant Time: Feb 18 04:17:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Feb 17 14:05:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	726390	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	691342	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	314366	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	323736	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.52%
7) Chloroethane-d5	2.89	69	262917	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
11) 1,1-Dichloroethene-d2	4.03	63	596356	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
21) 2-Butanone-d5	7.07	46	217853	53.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.86%
24) Chloroform-d	7.64	84	570078	24.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.72%
26) 1,2-Dichloroethane-d4	8.30	65	345849	25.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.08%
32) Benzene-d6	8.27	84	1115795	23.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	9.27	67	384728	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
41) Toluene-d8	10.32	98	967308	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.44%
43) trans-1,3-Dichloropropene-	10.57	79	154029	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.24%
47) 2-Hexanone-d5	10.92	63	161347	56.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.24%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	318068	26.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.40%
66) 1,2-Dichlorobenzene-d4	13.85	152	287388	24.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	156943	21.749	ug/L	99
3) Chloromethane	2.21	50	292504	21.554	ug/L	98
5) Vinyl chloride	2.36	62	402552	23.043	ug/L	98
6) Bromomethane	2.78	94	187727	23.691	ug/L	98
8) Chloroethane	2.92	64	228577	24.458	ug/L	98
9) Trichlorofluoromethane	3.25	101	151728	21.993	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	267110	23.663	ug/L	99
12) 1,1-Dichloroethene	4.04	96	263799	24.369	ug/L	98
13) Acetone	4.12	43	232179	54.551	ug/L	97
14) Carbon disulfide	4.39	76	939849	24.016	ug/L	99
15) Methyl Acetate	4.67	43	204834	27.736	ug/L	99
16) Methylene chloride	4.91	84	325481	24.250	ug/L	94
17) trans-1,2-Dichloroethene	5.42	96	277081	25.367	ug/L	99
18) Methyl tert-butyl Ether	5.42	73	375018	27.817	ug/L	99
19) 1,1-Dichloroethane	6.21	63	619596	25.394	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	298657	26.529	ug/L	96
22) 2-Butanone	7.17	43	301620	58.951	ug/L	98

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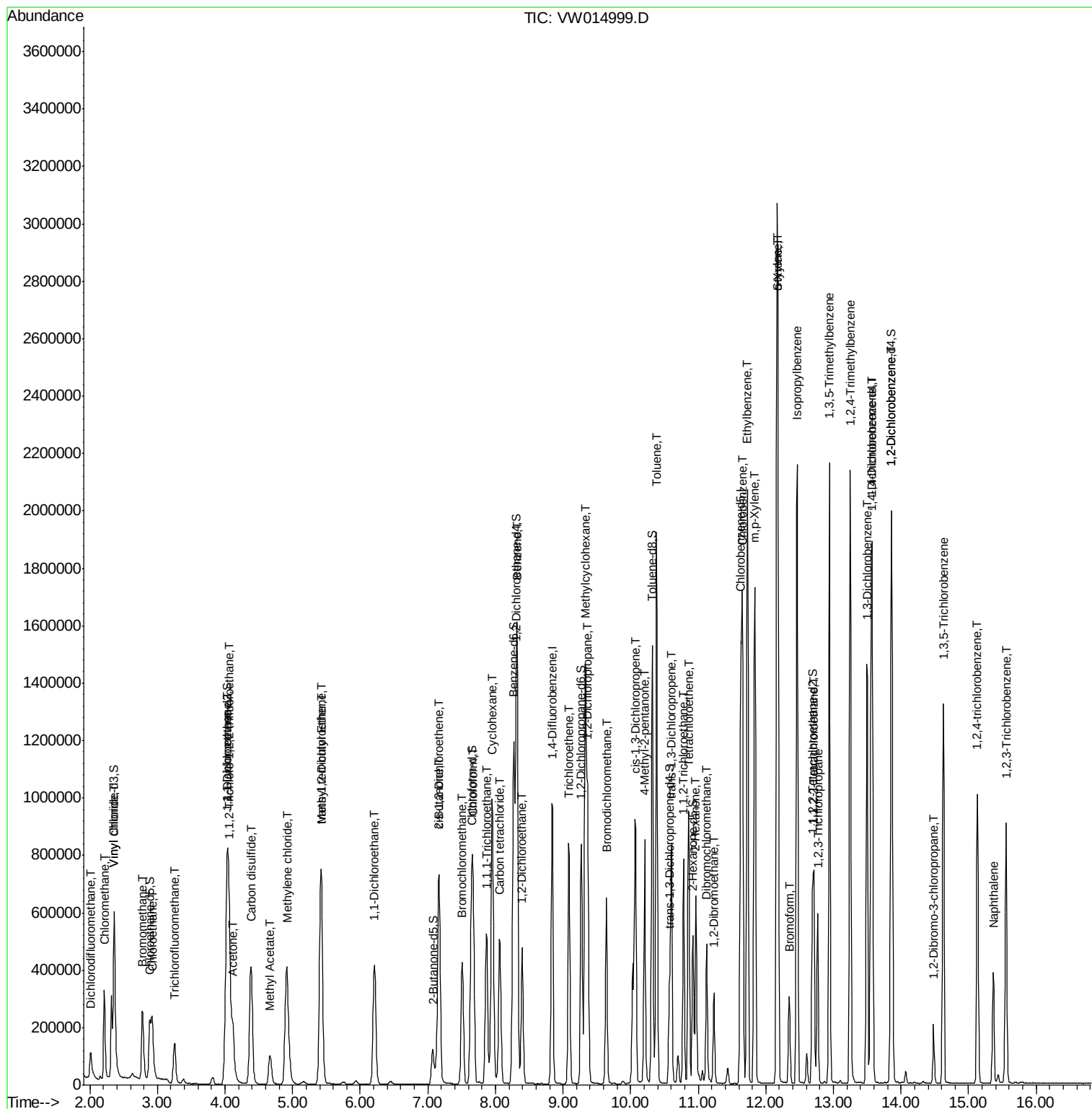
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	121665	26.644	ug/L	97
25) Chloroform	7.67	83	565171	25.997	ug/L	99
27) 1,2-Dichloroethane	8.40	62	433973	27.163	ug/L	99
29) Cyclohexane	7.95	56	552883	24.526	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	409447	24.348	ug/L	99
31) Carbon tetrachloride	8.06	117	366673	24.190	ug/L	100
33) Benzene	8.32	78	1301019	25.631	ug/L	100
34) Trichloroethene	9.09	95	295973	24.347	ug/L	96
35) Methylcyclohexane	9.33	83	514792	24.552	ug/L	99
37) 1,2-Dichloropropane	9.37	63	367734	25.939	ug/L	100
38) Bromodichloromethane	9.64	83	415902	26.053	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	513600	27.079	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	592831	58.738	ug/L	100
42) Toluene	10.38	91	1297353	26.452	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	431144	27.401	ug/L	98
45) 1,1,2-Trichloroethane	10.78	97	232876	27.079	ug/L	98
46) Tetrachloroethene	10.86	164	190832	24.173	ug/L	98
48) 2-Hexanone	10.96	43	440652	59.921	ug/L	99
49) Dibromochloromethane	11.13	129	242492	27.062	ug/L	98
50) 1,2-Dibromoethane	11.23	107	212710	27.437	ug/L	99
51) Chlorobenzene	11.65	112	742736	25.672	ug/L	99
52) Ethylbenzene	11.73	91	1411464	26.420	ug/L	100
53) m,p-Xylene	11.83	106	500806	26.716	ug/L	96
54) o-Xylene	12.16	106	477017	27.100	ug/L	95
55) Styrene	12.18	104	851191	28.051	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	322489	28.025	ug/L	99
59) Bromoform	12.35	173	128486	26.732	ug/L	99
60) Isopropylbenzene	12.46	105	1269687	25.800	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	246280	26.732	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1054988	26.887	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	1053978	27.456	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	525274	25.892	ug/L	99
65) 1,4-Dichlorobenzene	13.57	146	535810	25.623	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	498375	26.550	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.48	75	53327	27.680	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	355320	26.136	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	284550	27.922	ug/L	98
71) Naphthalene	15.36	128	297501	28.426	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	275475	29.171	ug/L	99

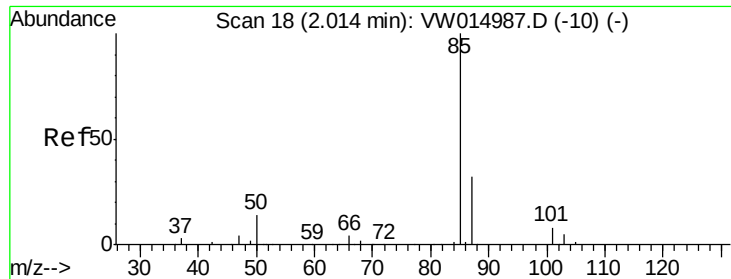
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.749 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

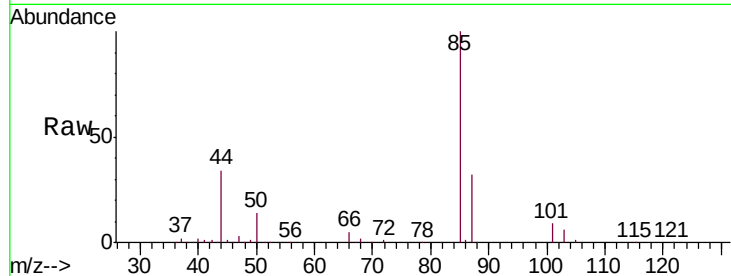
BFB303

Tgt Ion: 85 Resp: 156943

Ion Ratio Lower Upper

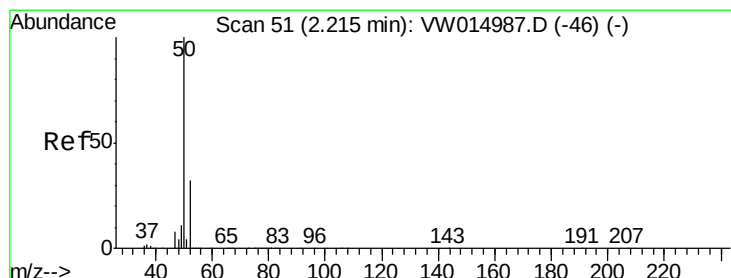
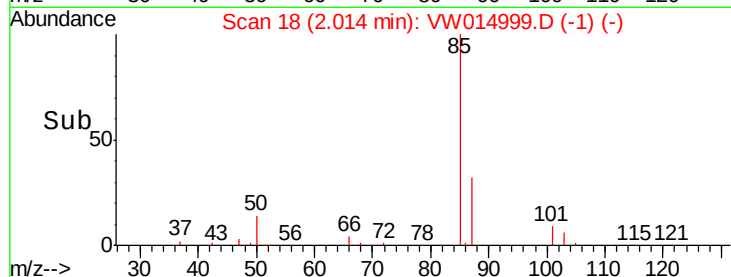
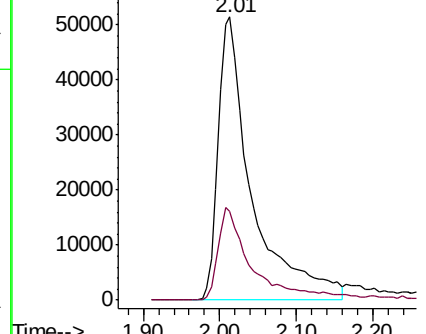
85 100

87 26.6 21.5 32.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.554 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014999.D

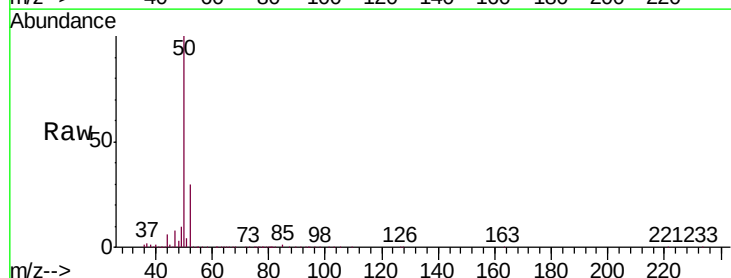
Acq: 17 Feb 2020 11:49

Tgt Ion: 50 Resp: 292504

Ion Ratio Lower Upper

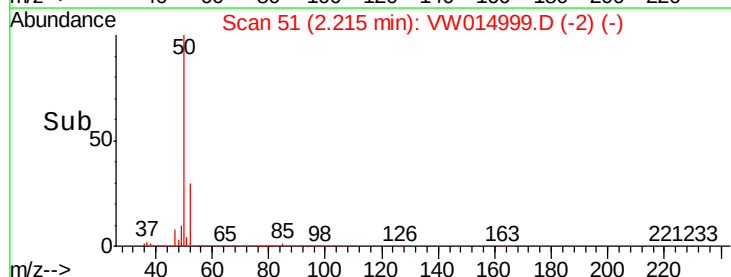
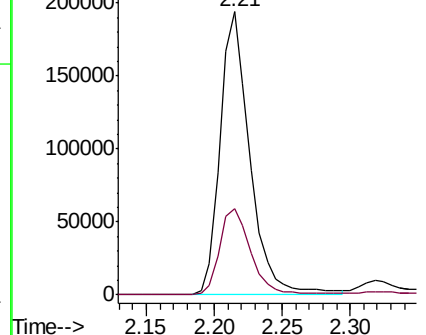
50 100

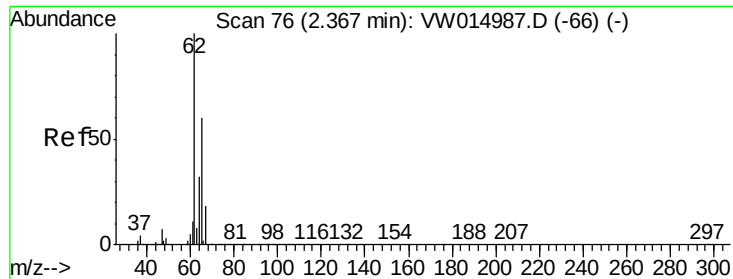
52 30.5 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.043 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014999.D

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Instrument :

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ClientSampleId :

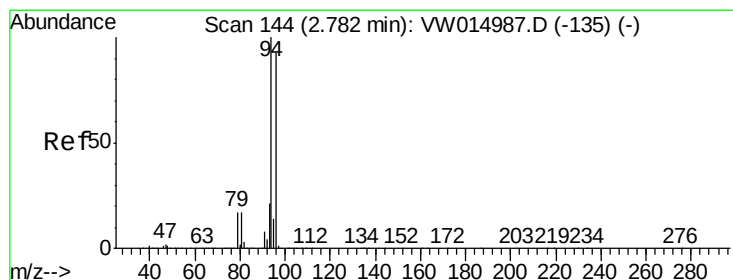
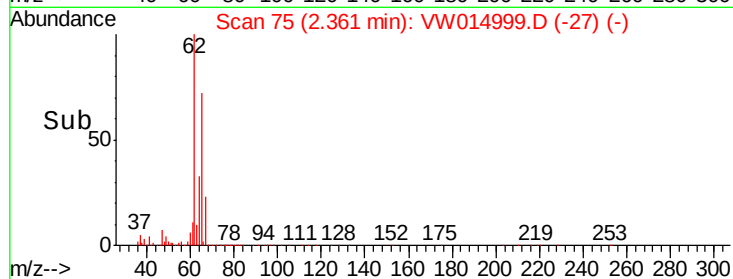
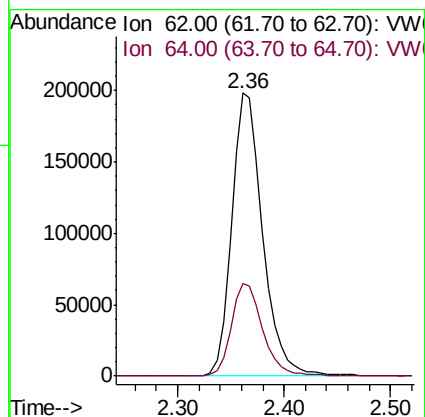
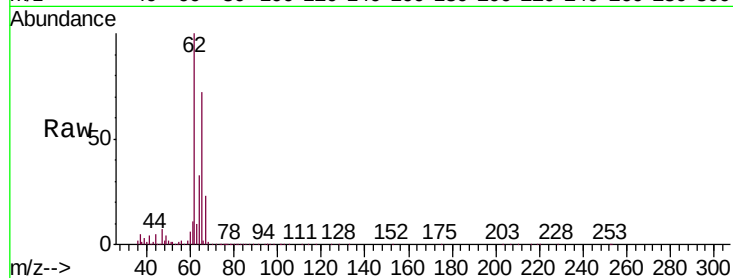
BFB303

Tgt Ion: 62 Resp: 402552

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



#6

Bromomethane

Concen: 23.691 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014999.D

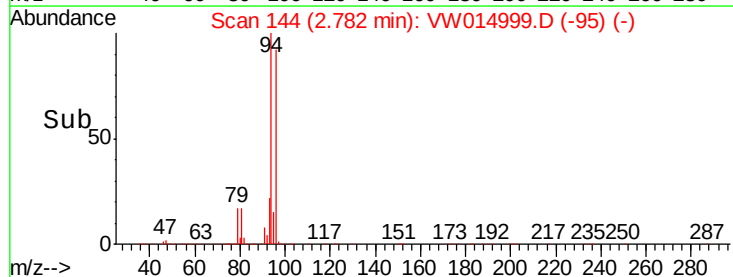
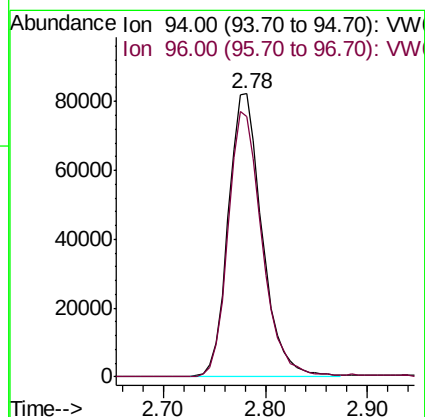
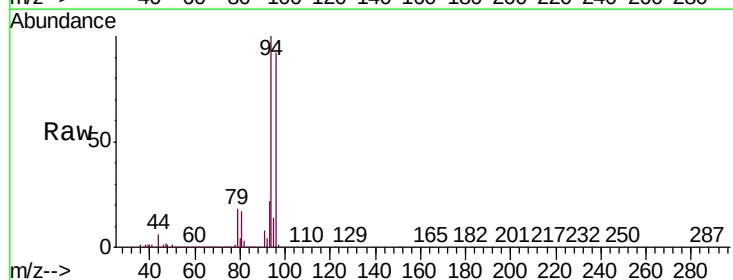
Acq: 17 Feb 2020 11:49

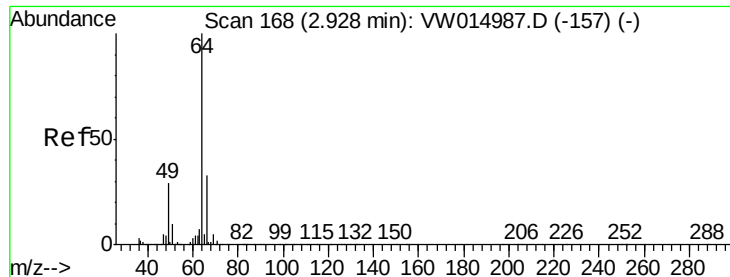
Tgt Ion: 94 Resp: 187727

Ion Ratio Lower Upper

94 100

96 92.0 65.8 122.2

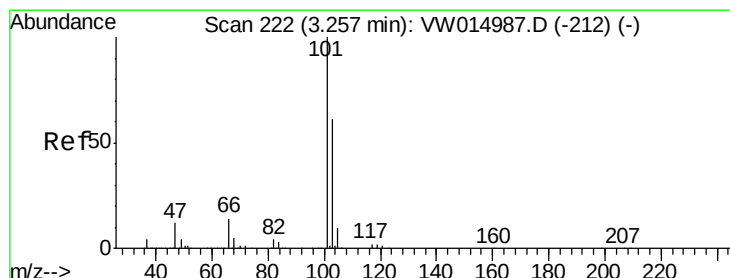
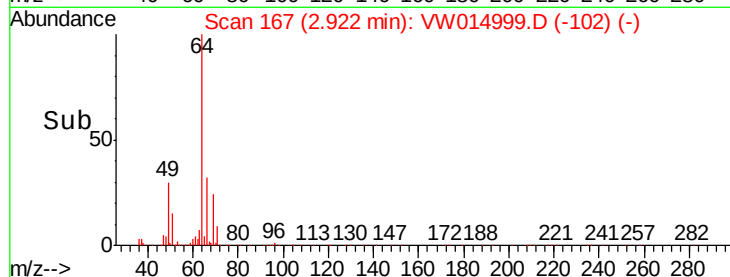
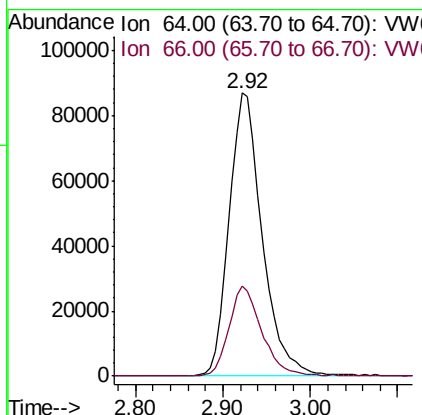
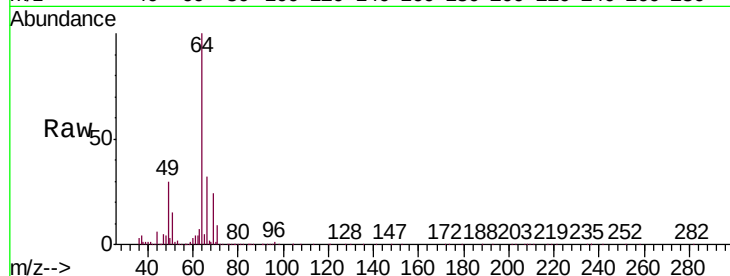




#8
Chloroethane
Concen: 24.458 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

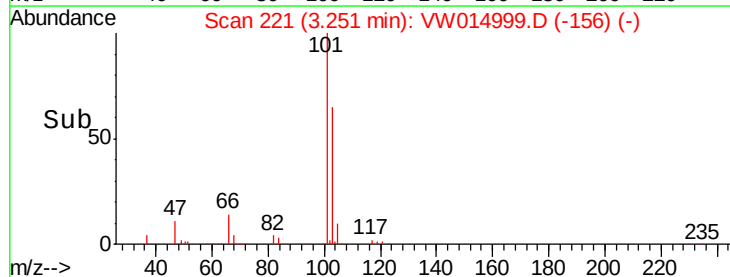
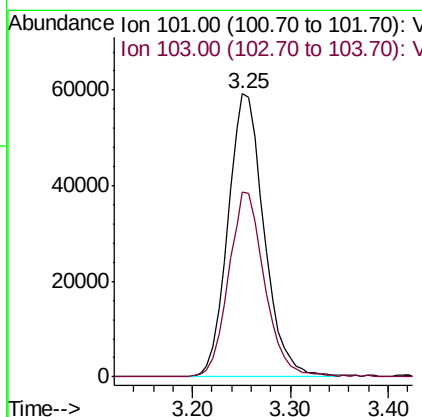
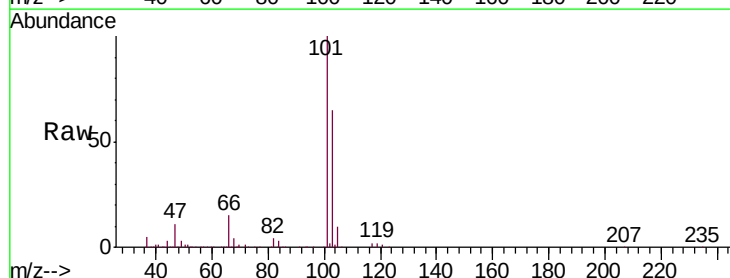
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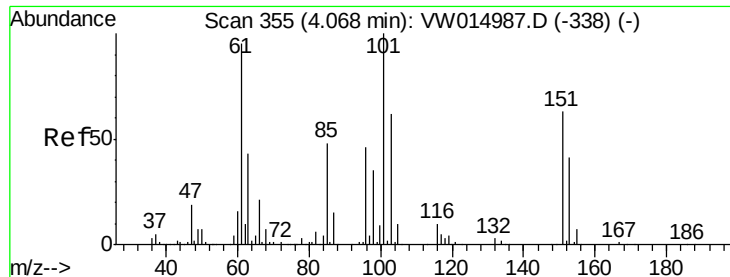
Tgt Ion: 64 Resp: 228577
Ion Ratio Lower Upper
64 100
66 31.9 23.1 42.9



#9
Trichlorofluoromethane
Concen: 21.993 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

Tgt Ion: 101 Resp: 151728
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.663 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

BFB303

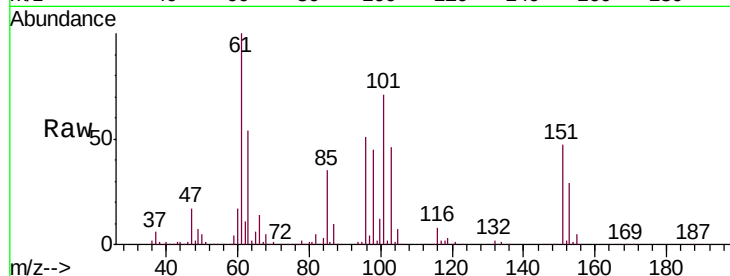
Tgt Ion:101 Resp: 267110

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

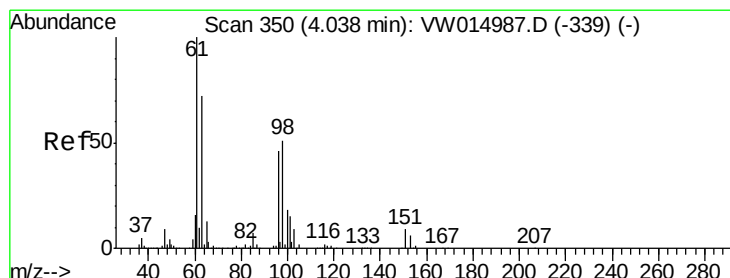
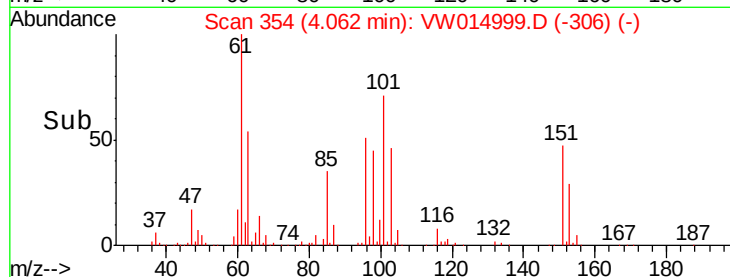
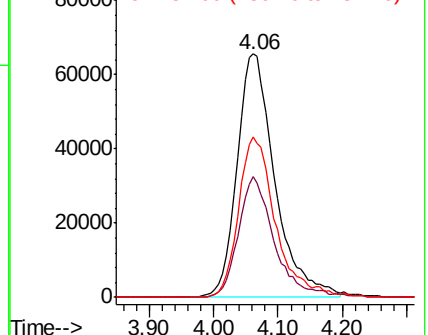
151 62.2 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.369 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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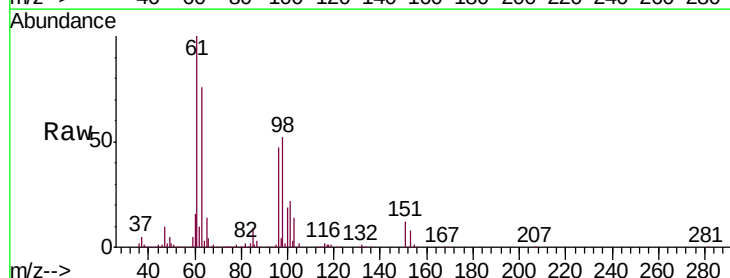
Tgt Ion: 96 Resp: 263799

Ion Ratio Lower Upper

96 100

61 215.0 147.0 273.0

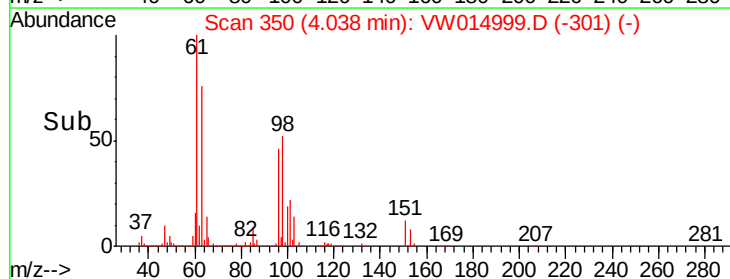
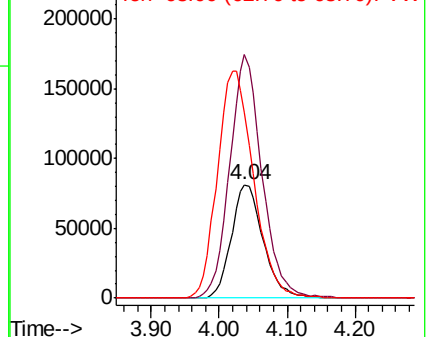
63 164.0 113.4 210.6

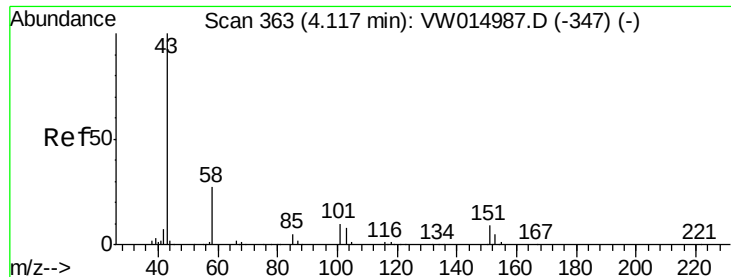


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.551 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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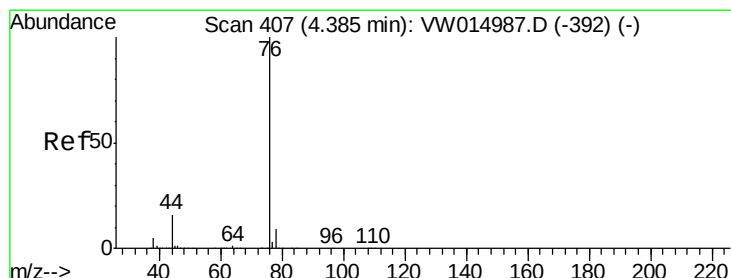
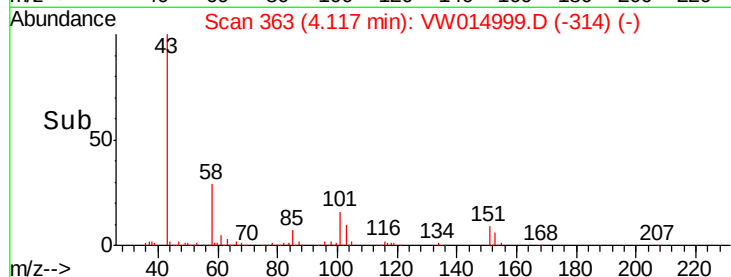
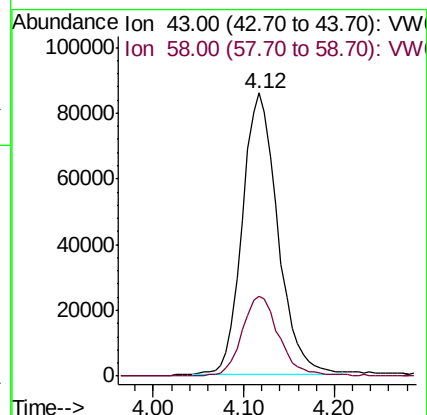
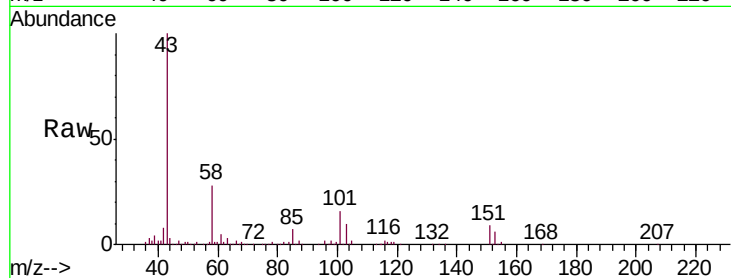
BFB303

Tgt Ion: 43 Resp: 232179

Ion Ratio Lower Upper

43 100

58 29.1 0.0 54.6



#14

Carbon disulfide

Concen: 24.016 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014999.D

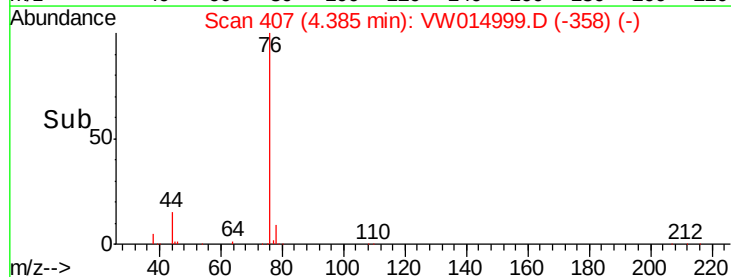
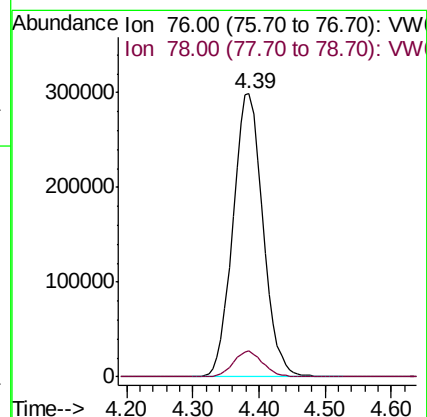
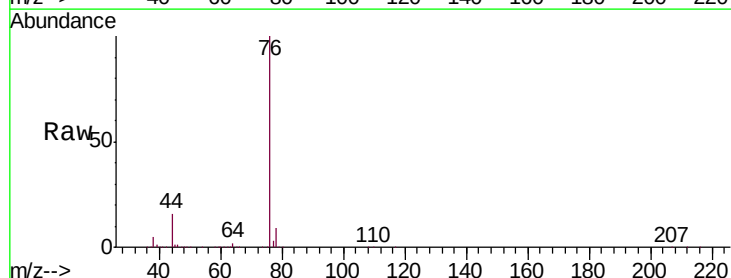
Acq: 17 Feb 2020 11:49

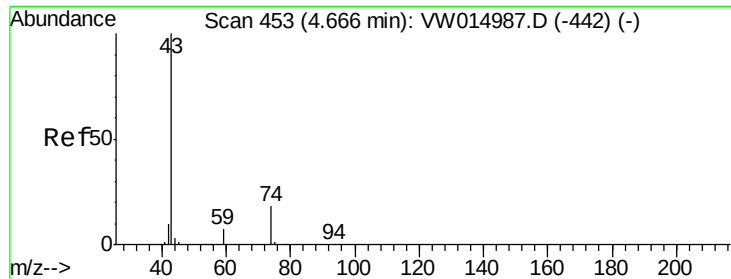
Tgt Ion: 76 Resp: 939849

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

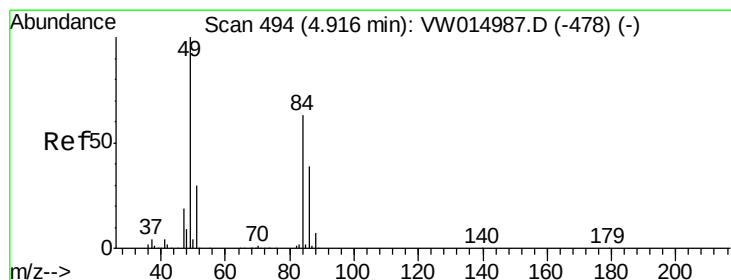
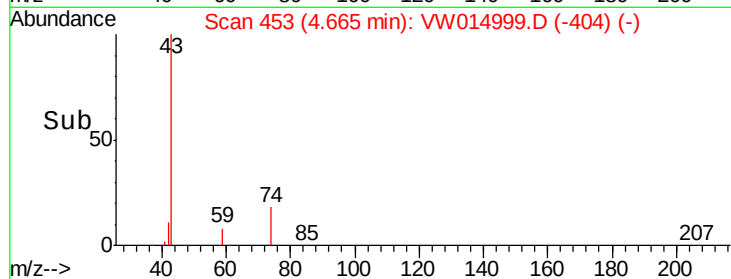
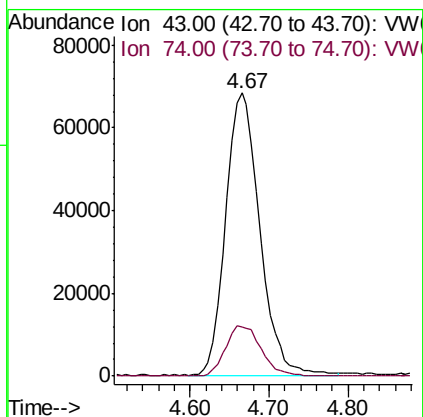
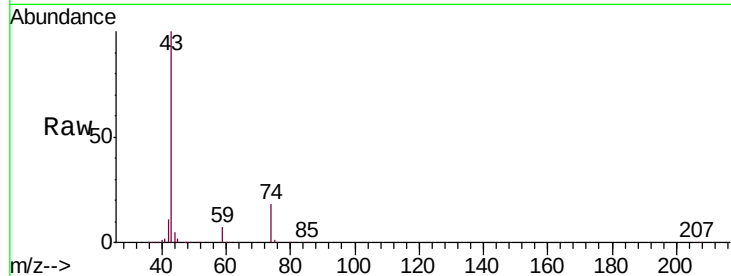




#15
Methyl Acetate
Concen: 27.736 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

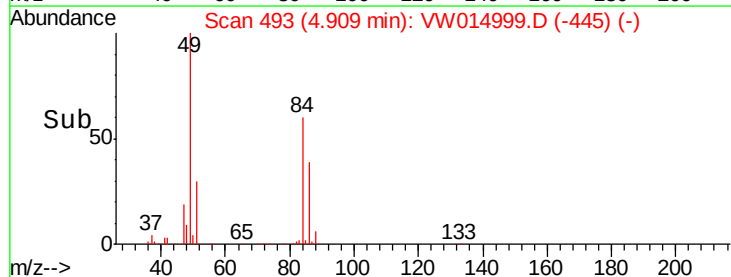
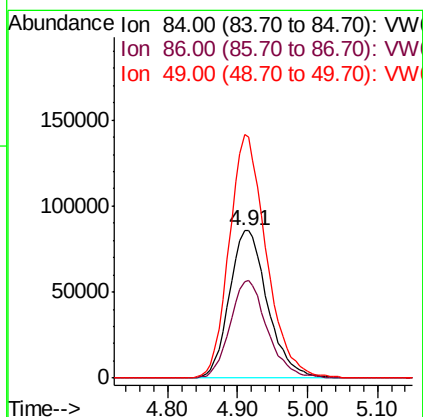
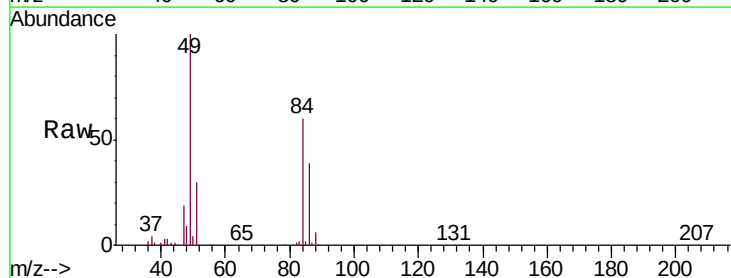
Instrument :
MSVOA_W
ClientSampleId :
BFB303

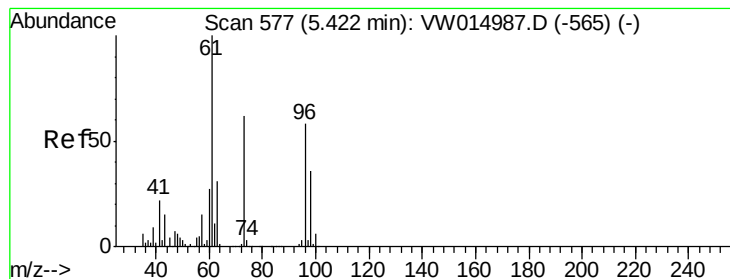
Tgt Ion: 43 Resp: 204834
Ion Ratio Lower Upper
43 100
74 18.7 14.6 21.8



#16
Methylene chloride
Concen: 24.250 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

Tgt Ion: 84 Resp: 325481
Ion Ratio Lower Upper
84 100
86 65.2 44.4 82.4
49 165.5 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 25.367 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampled :

BFB303

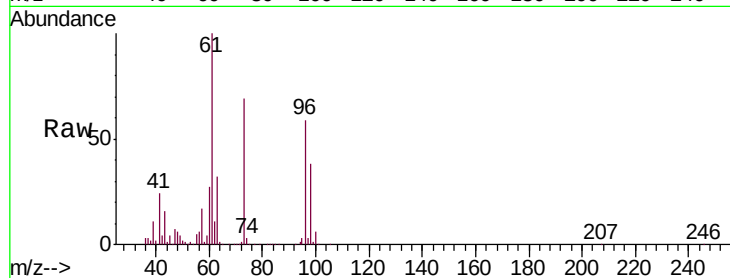
Tgt Ion: 96 Resp: 277081

Ion Ratio Lower Upper

96 100

61 170.5 120.1 223.1

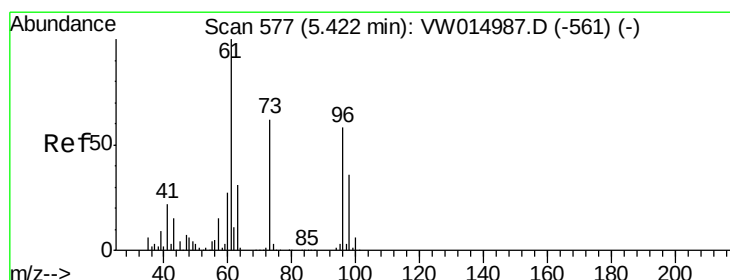
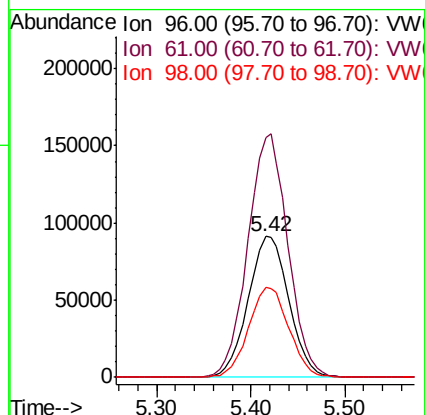
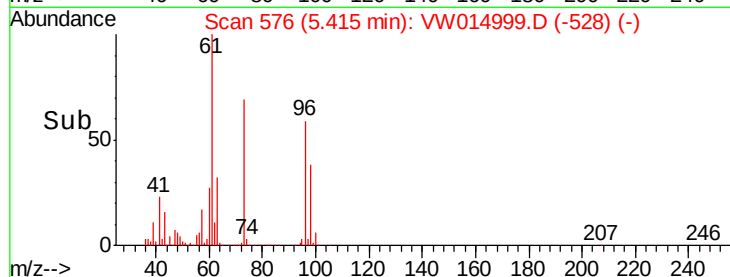
98 64.1 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#18

Methyl tert-butyl Ether

Concen: 27.817 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

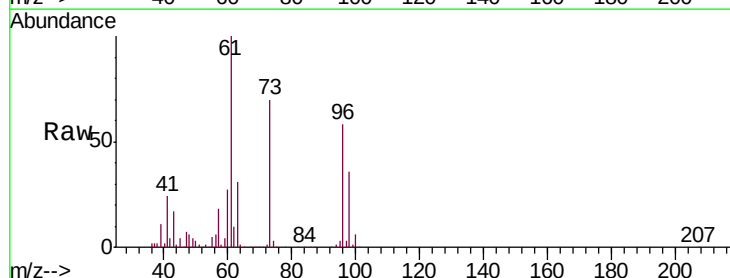
Tgt Ion: 73 Resp: 375018

Ion Ratio Lower Upper

73 100

43 24.2 19.6 29.4

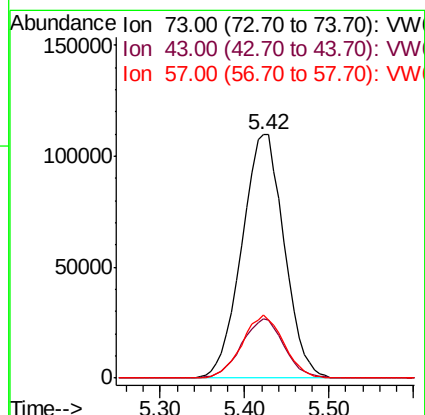
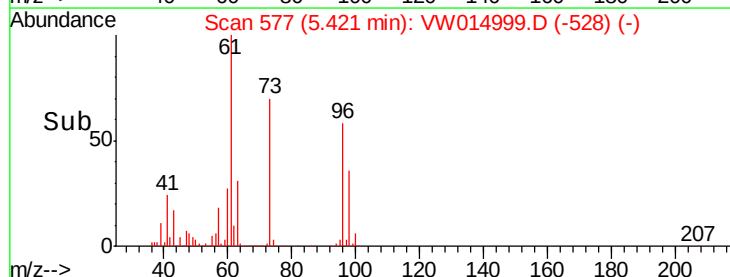
57 25.6 21.0 31.4

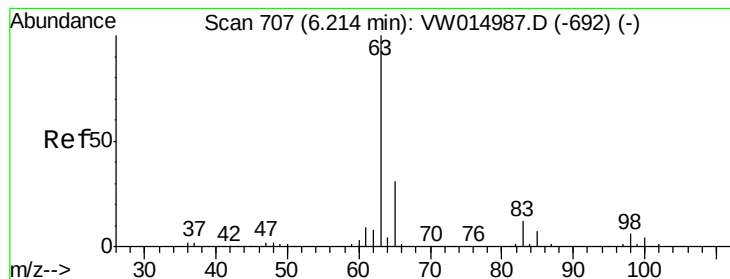


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 25.394 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampled :

BFB303

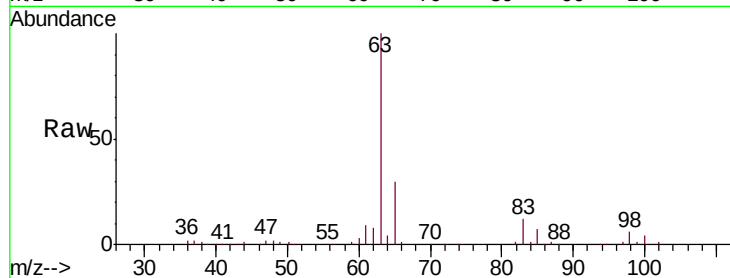
Tgt Ion: 63 Resp: 619596

Ion Ratio Lower Upper

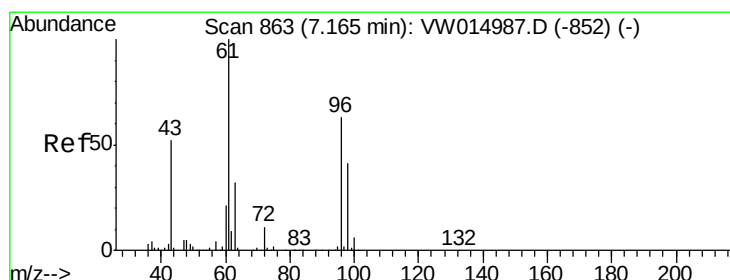
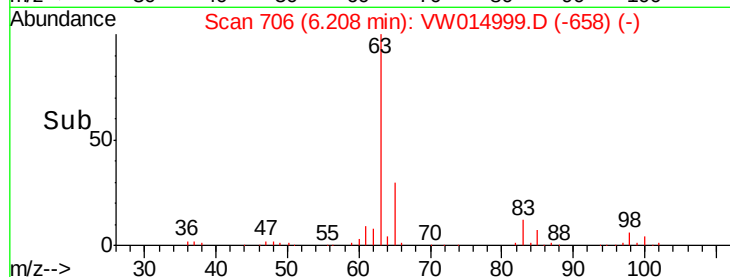
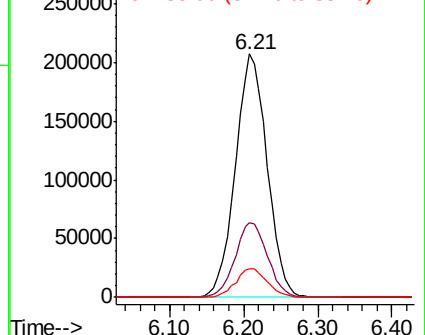
63 100

65 30.5 20.9 38.7

83 11.8 7.8 14.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 26.529 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

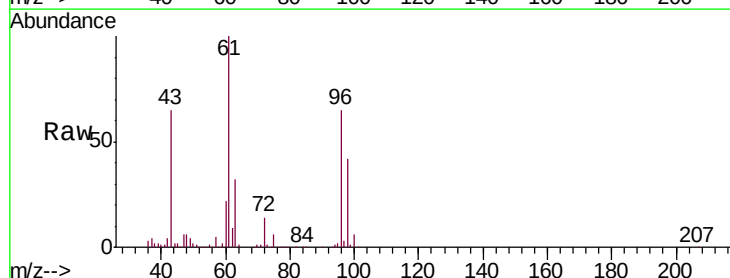
Tgt Ion: 96 Resp: 298657

Ion Ratio Lower Upper

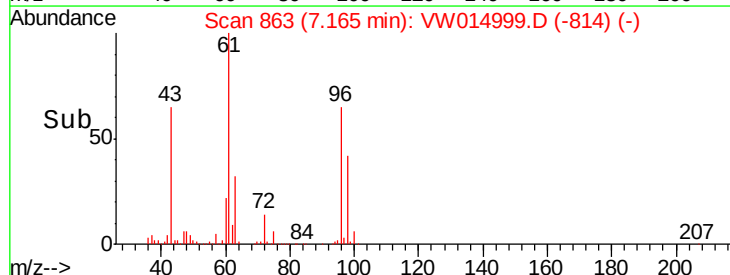
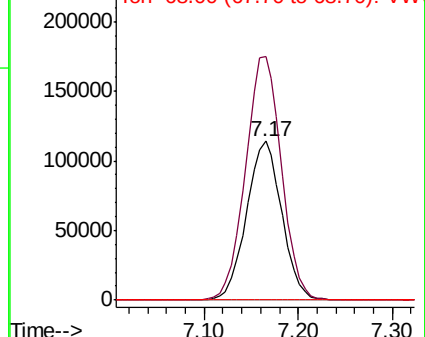
96 100

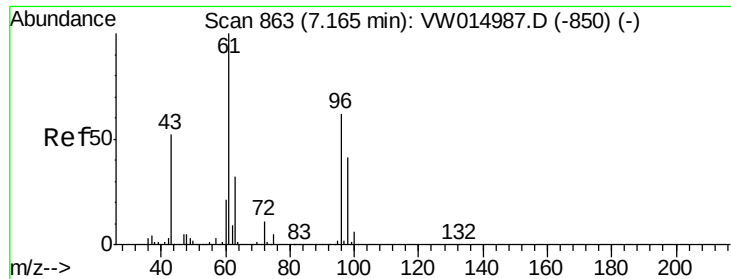
61 153.5 111.5 207.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 58.951 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampled :

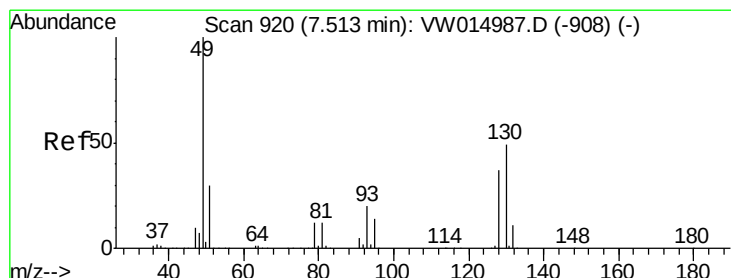
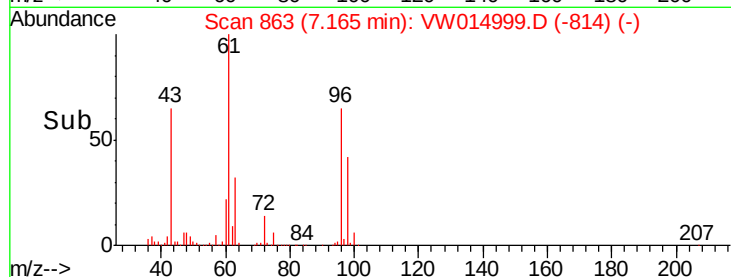
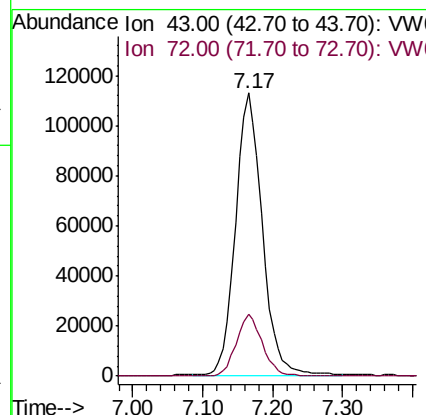
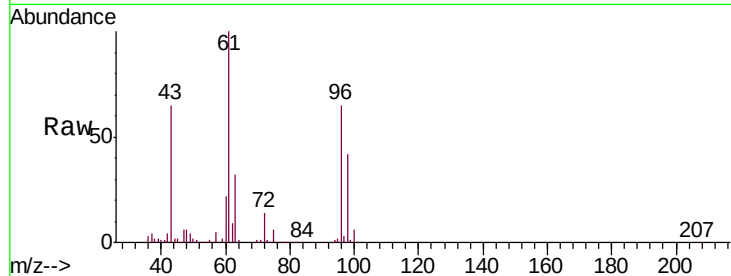
BFB303

Tgt Ion: 43 Resp: 301620

Ion Ratio Lower Upper

43 100

72 21.2 11.1 33.1



#23

Bromochloromethane

Concen: 26.644 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Tgt Ion: 128 Resp: 121665

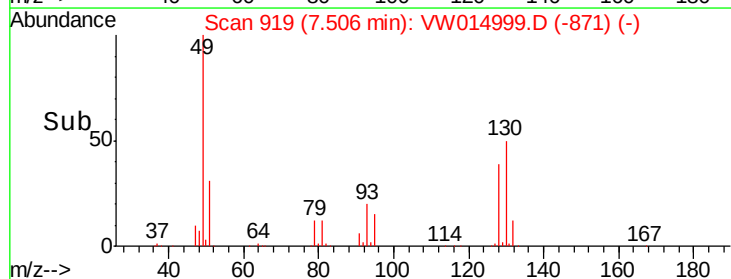
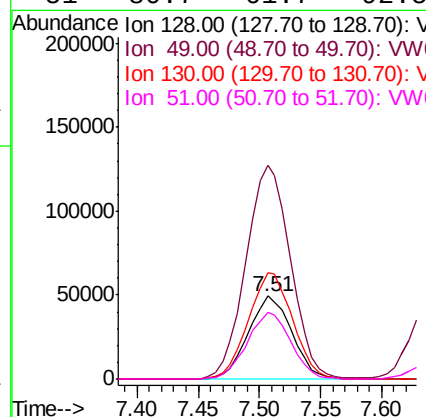
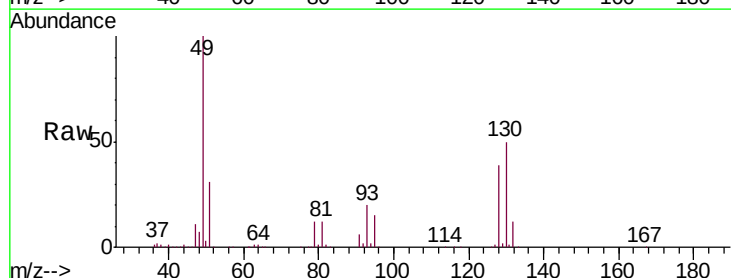
Ion Ratio Lower Upper

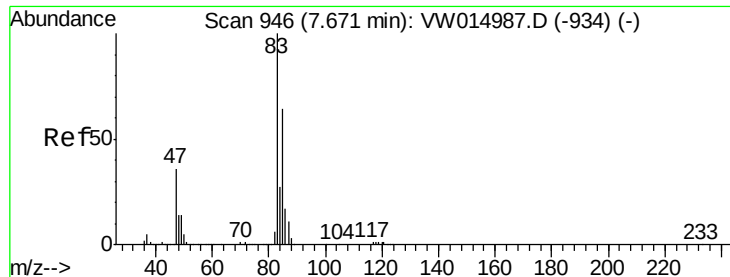
128 100

49 258.6 179.0 332.4

130 128.6 85.5 158.7

51 80.7 61.7 92.5





#25

Chloroform

Concen: 25.997 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

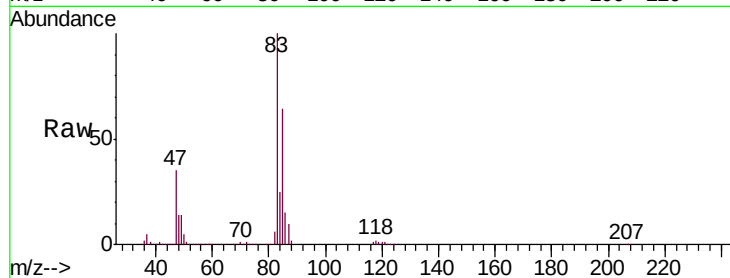
BFB303

Tgt Ion: 83 Resp: 565171

Ion Ratio Lower Upper

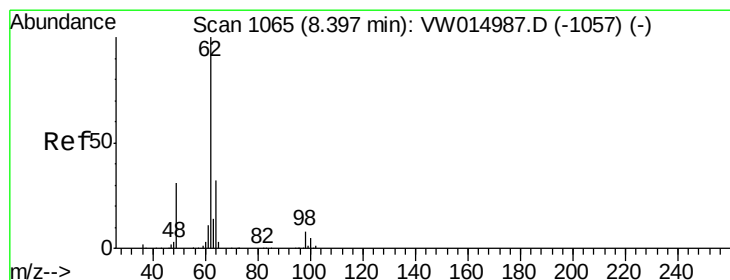
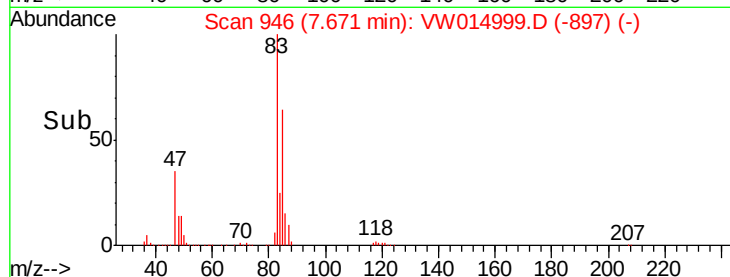
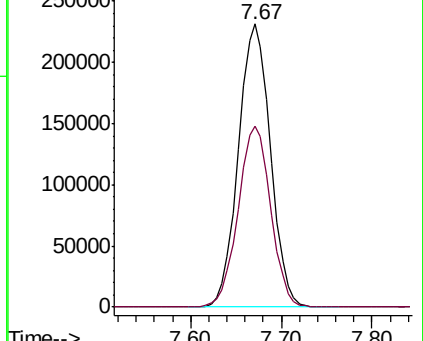
83 100

85 63.8 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 27.163 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014999.D

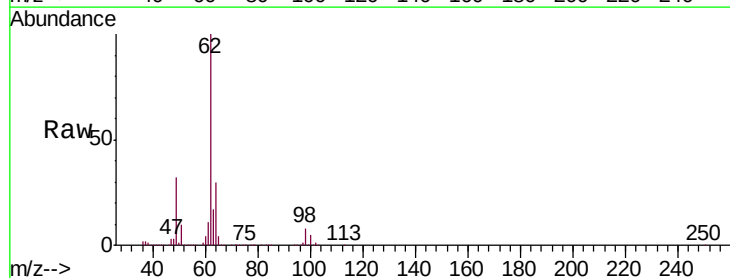
Acq: 17 Feb 2020 11:49

Tgt Ion: 62 Resp: 433973

Ion Ratio Lower Upper

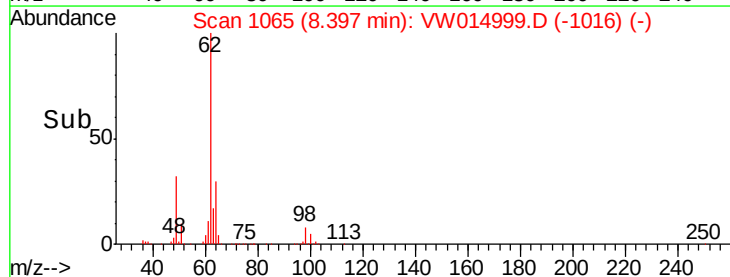
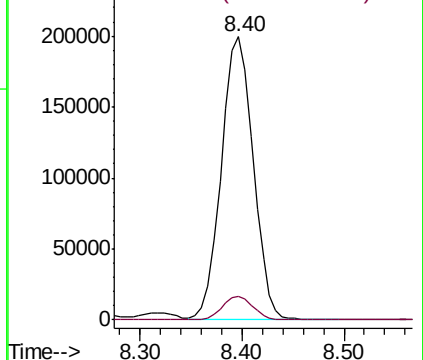
62 100

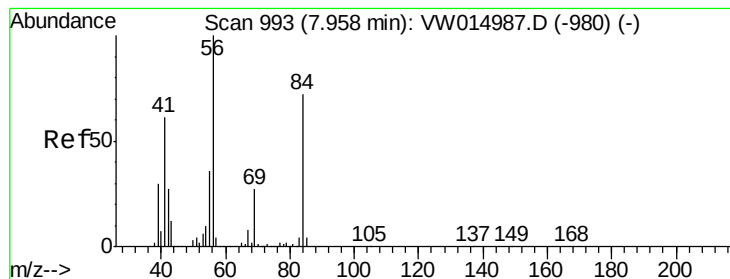
98 8.1 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#29

Cyclohexane

Concen: 24.526 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

BFB303

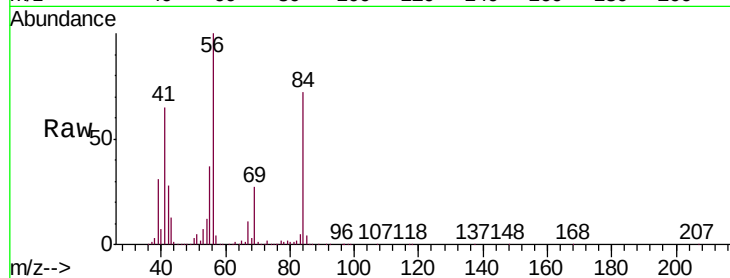
Tgt Ion: 56 Resp: 552883

Ion Ratio Lower Upper

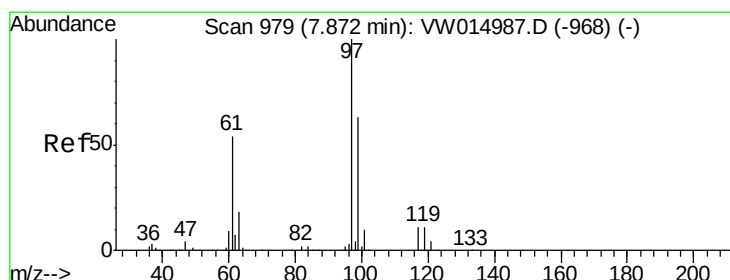
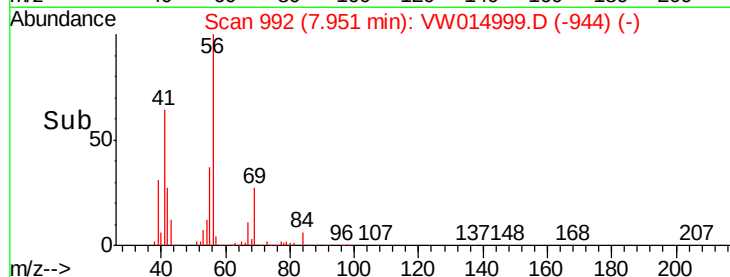
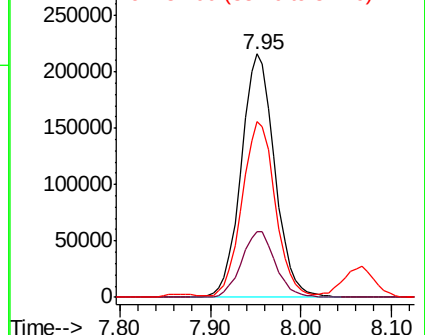
56 100

69 27.1 22.0 33.0

84 72.0 57.8 86.6



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



#30

1,1,1-Trichloroethane

Concen: 24.348 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

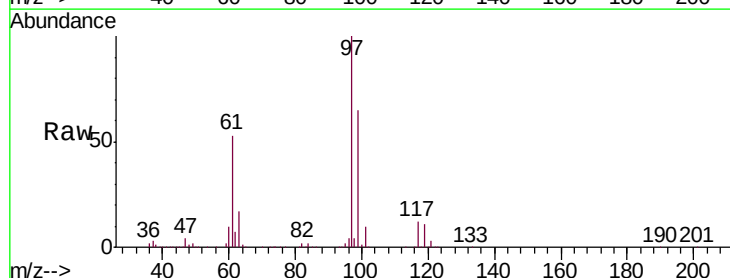
Tgt Ion: 97 Resp: 409447

Ion Ratio Lower Upper

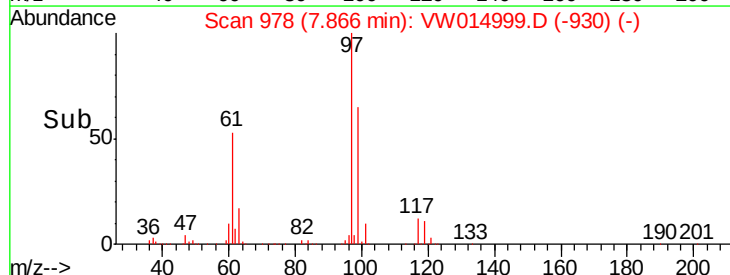
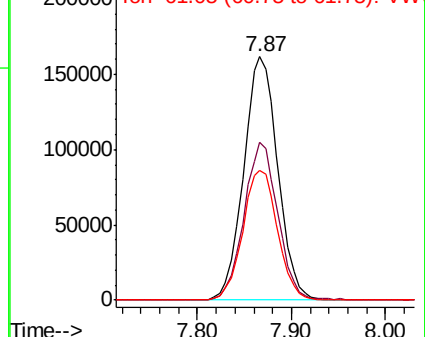
97 100

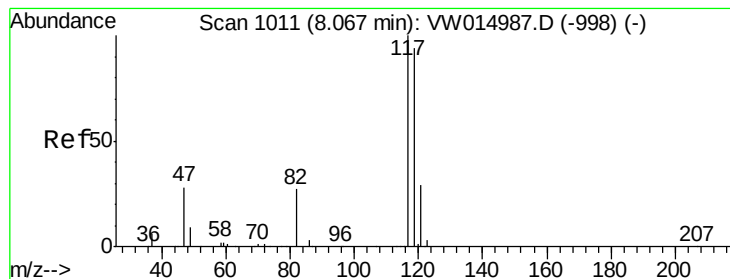
99 63.9 50.6 75.8

61 54.2 42.7 64.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW





#31

Carbon tetrachloride

Concen: 24.190 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

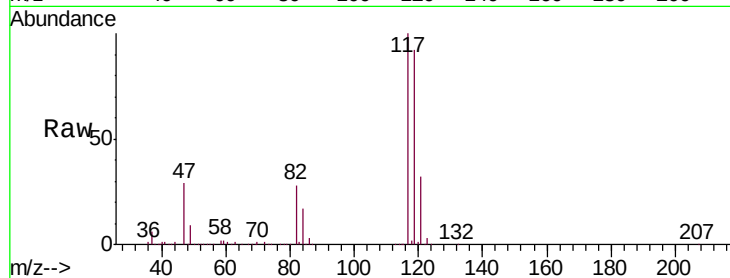
BFB303

Tgt Ion:117 Resp: 366673

Ion Ratio Lower Upper

117 100

119 95.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

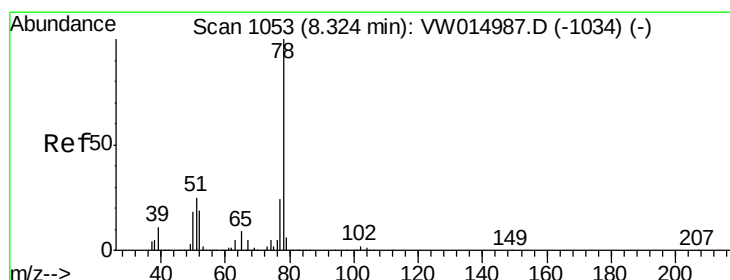
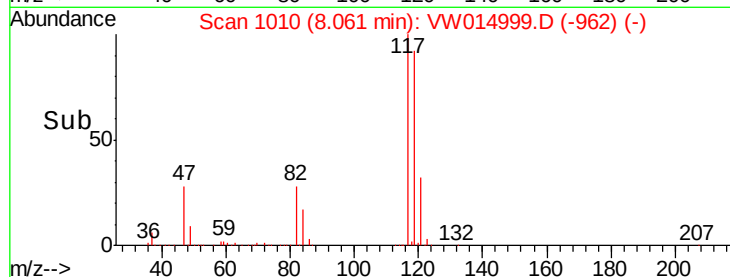
50000

0

8.06

8.00 8.10 8.20

Time-->



#33

Benzene

Concen: 25.631 ug/L

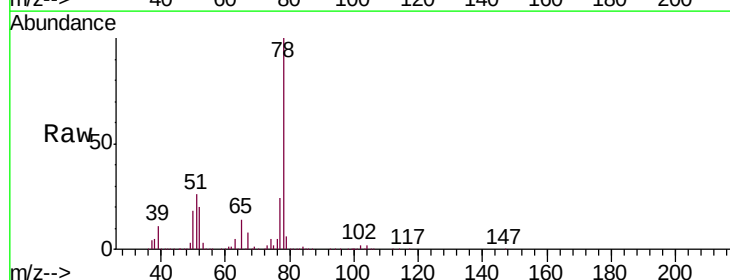
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Tgt Ion: 78 Resp: 1301019



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

400000

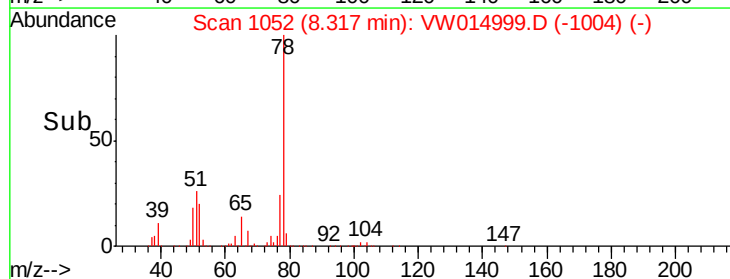
200000

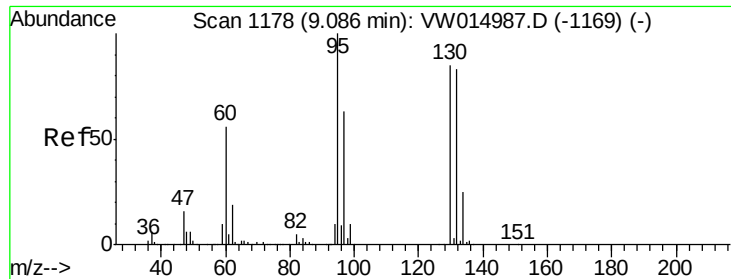
0

8.32

8.20 8.30 8.40

Time-->





#34

Trichloroethene

Concen: 24.347 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

BFB303

Tgt Ion: 95 Resp: 295973

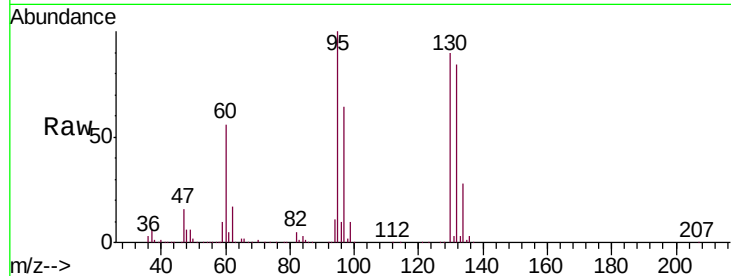
Ion Ratio Lower Upper

95 100

97 63.9 44.2 82.0

132 84.2 56.1 104.3

130 90.0 60.1 111.7

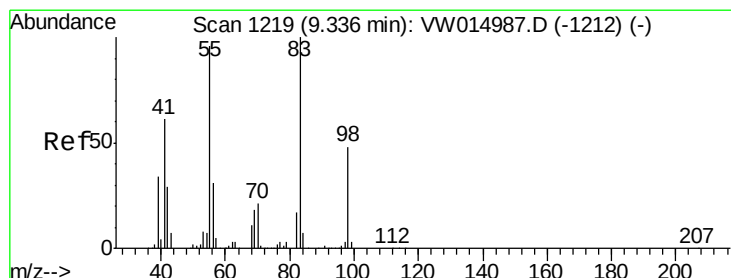
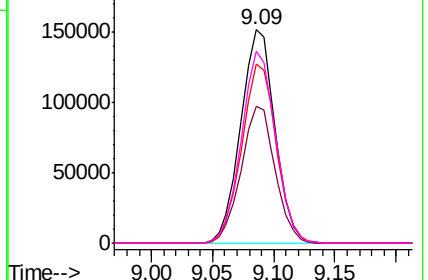
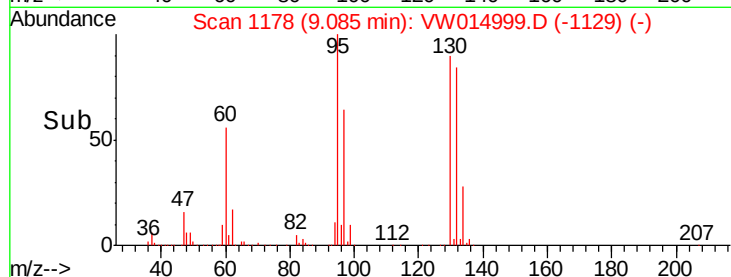


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35

Methylcyclohexane

Concen: 24.552 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

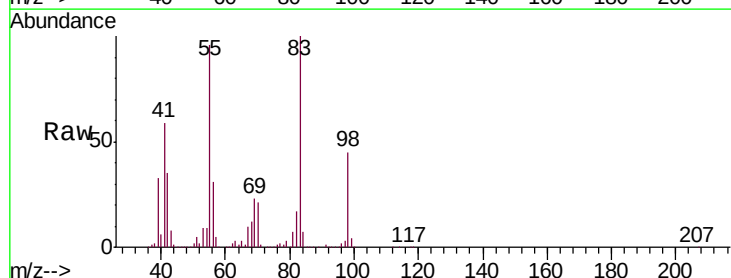
Tgt Ion: 83 Resp: 514792

Ion Ratio Lower Upper

83 100

55 93.9 76.3 114.5

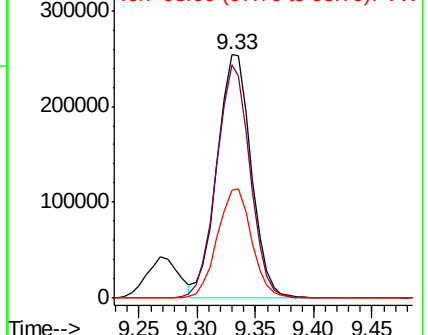
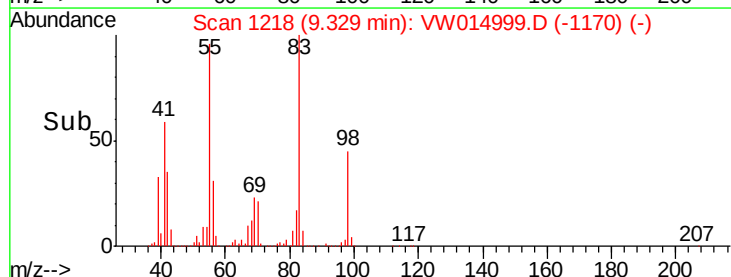
98 45.2 36.4 54.6

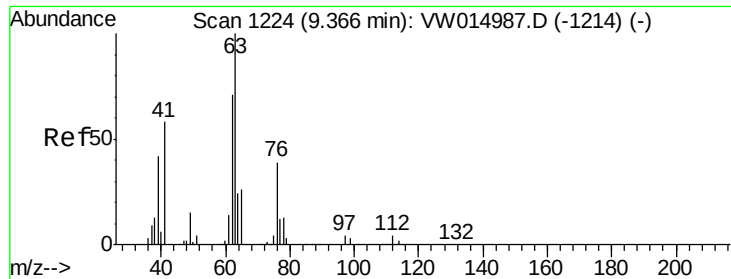


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 25.939 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

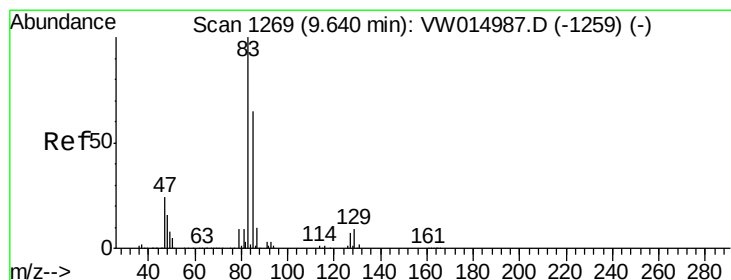
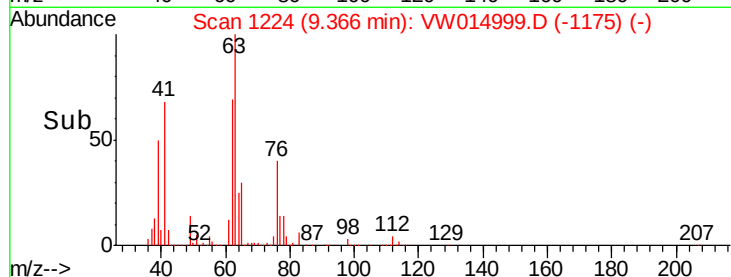
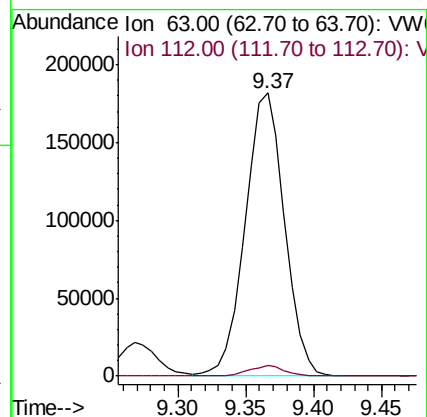
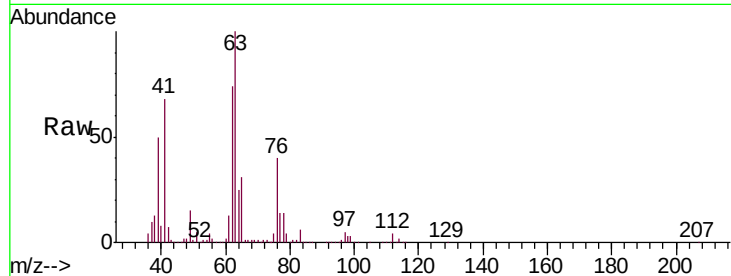
BFB303

Tgt Ion: 63 Resp: 367734

Ion Ratio Lower Upper

63 100

112 3.5 2.6 4.0



#38

Bromodichloromethane

Concen: 26.053 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

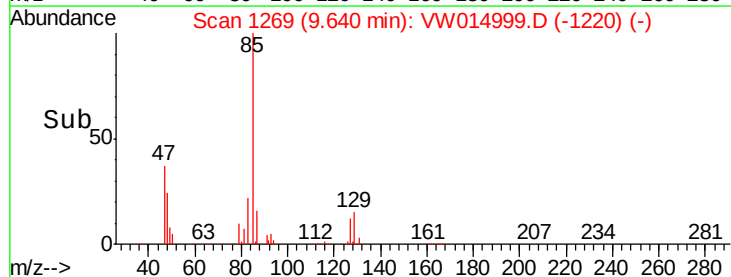
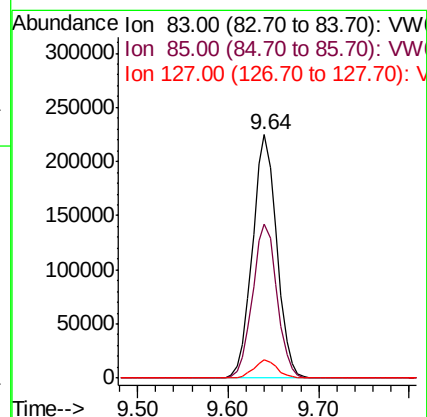
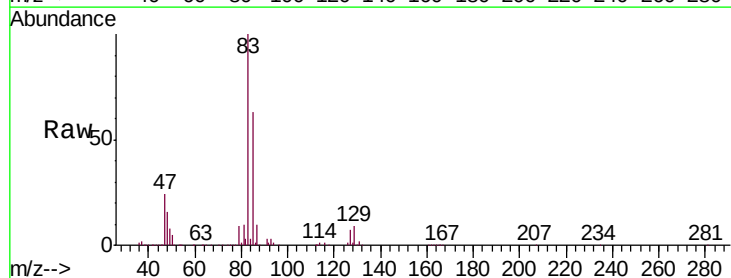
Tgt Ion: 83 Resp: 415902

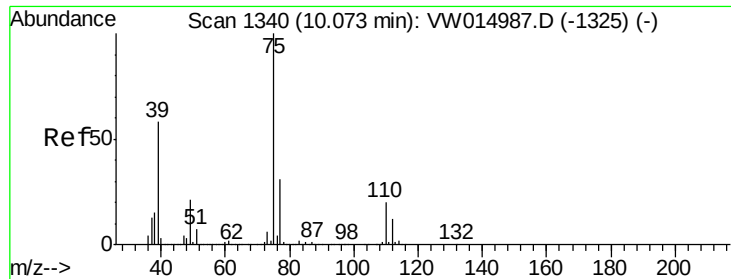
Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

127 7.4 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 27.079 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

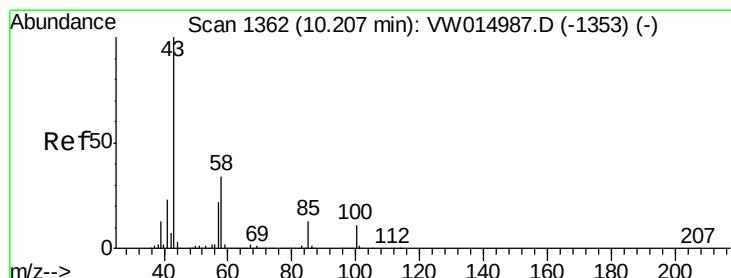
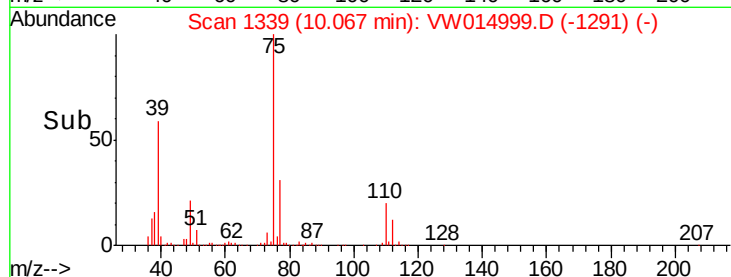
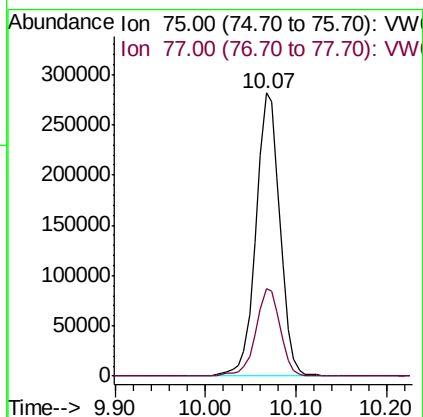
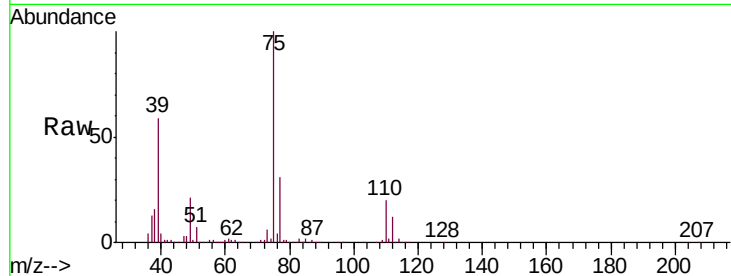
BFB303

Tgt Ion: 75 Resp: 513600

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 58.738 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

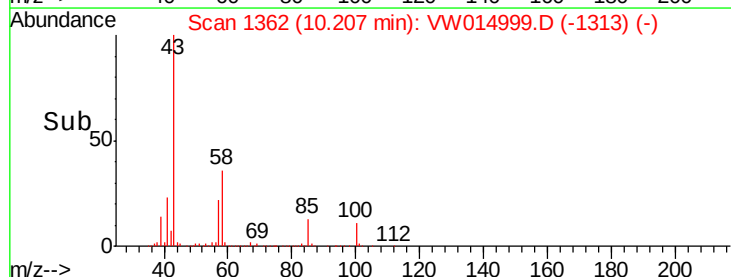
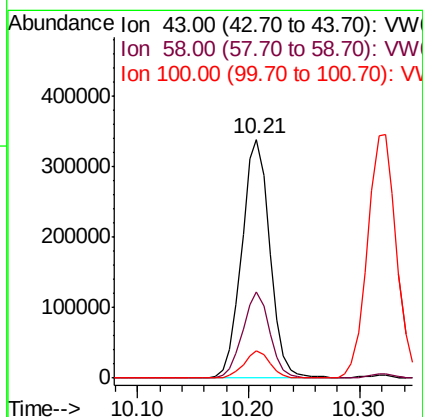
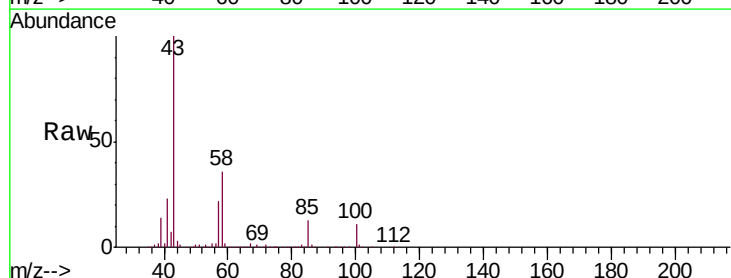
Tgt Ion: 43 Resp: 592831

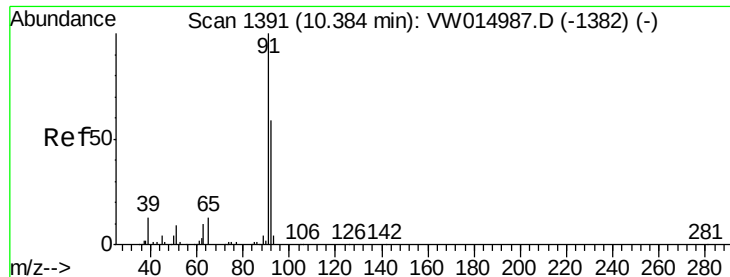
Ion Ratio Lower Upper

43 100

58 34.7 27.7 41.5

100 10.9 8.6 13.0





#42

Toluene

Concen: 26.452 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

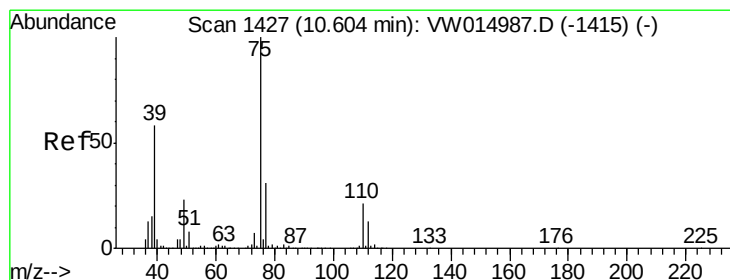
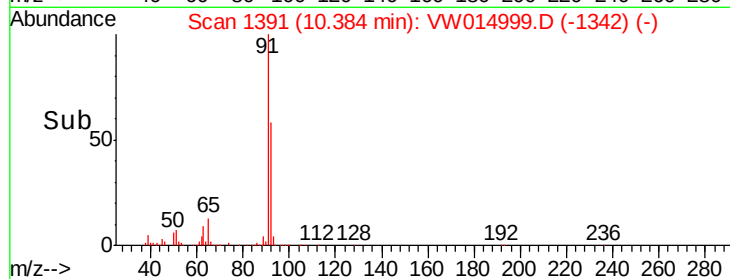
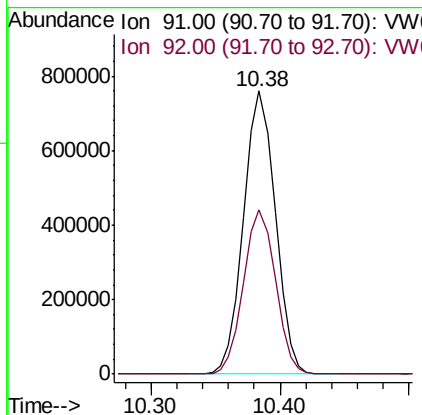
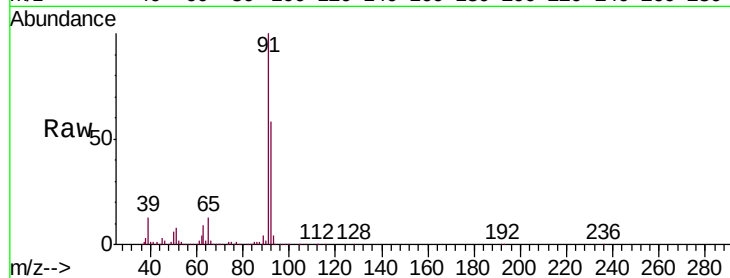
BFB303

Tgt Ion: 91 Resp: 1297353

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 27.401 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014999.D

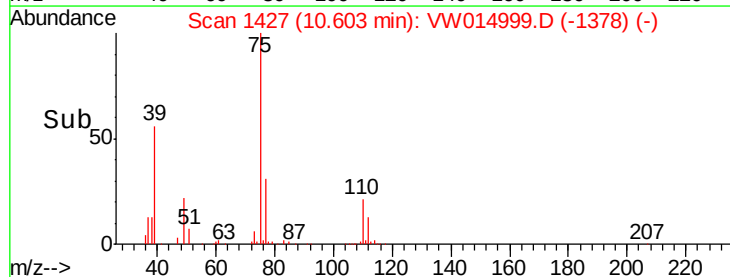
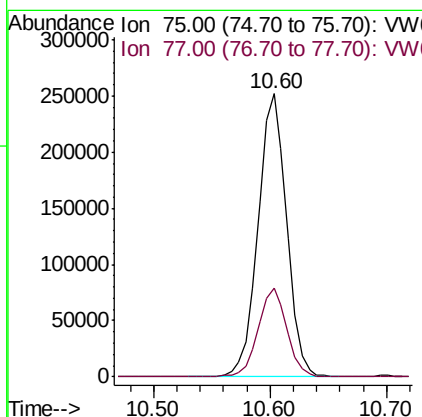
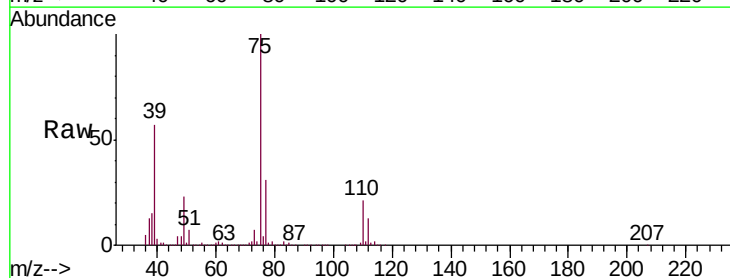
Acq: 17 Feb 2020 11:49

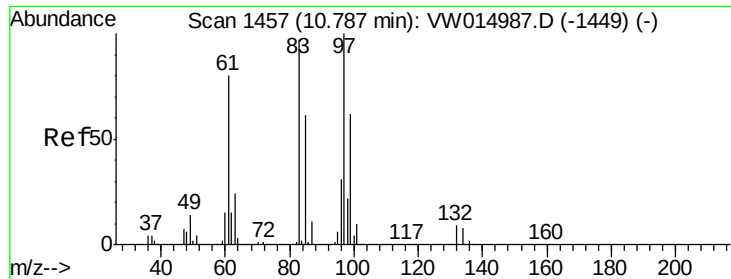
Tgt Ion: 75 Resp: 431144

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 27.079 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

BFB303

Tgt Ion: 97 Resp: 232876

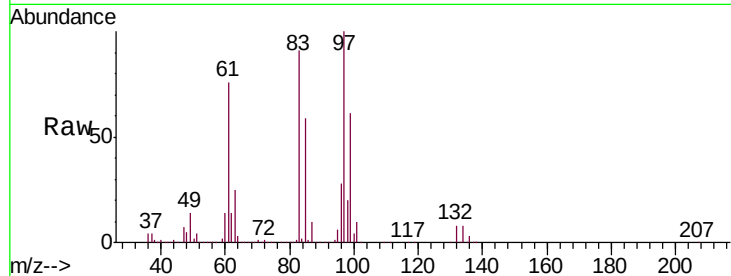
Ion Ratio Lower Upper

97 100

99 60.6 44.2 82.0

83 91.2 64.1 119.1

85 58.5 42.1 78.1

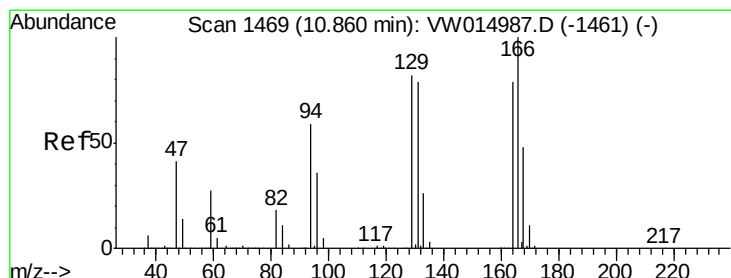
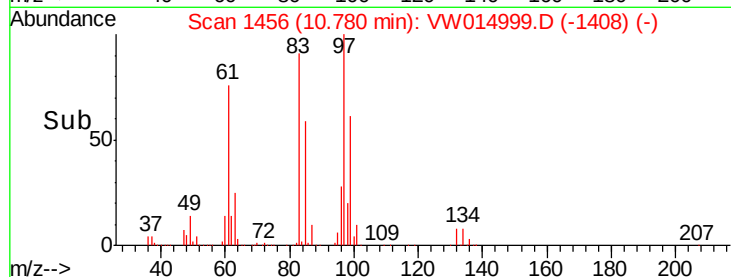
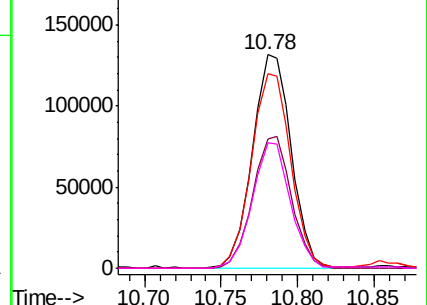


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 24.173 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Tgt Ion: 164 Resp: 190832

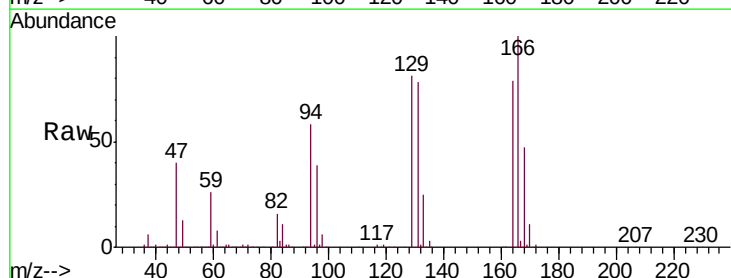
Ion Ratio Lower Upper

164 100

129 102.6 72.2 134.2

131 99.0 68.1 126.5

166 126.3 90.6 168.2

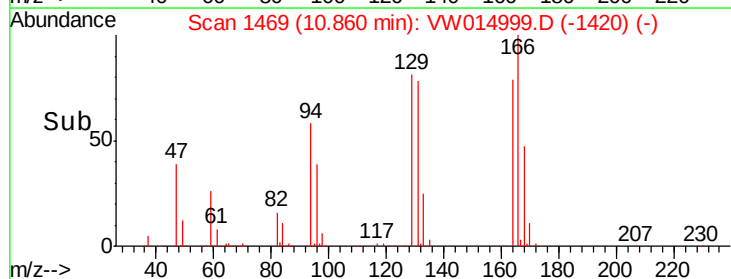
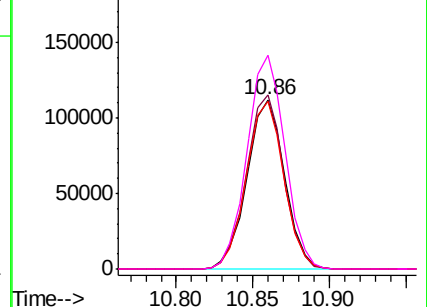


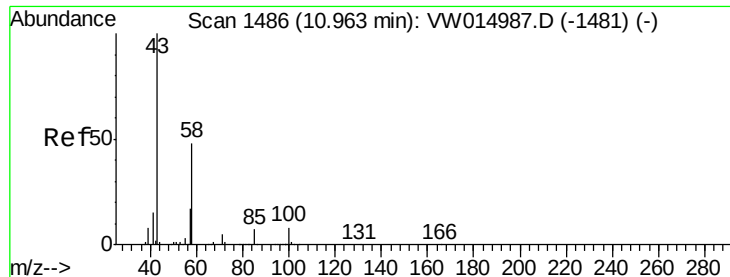
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

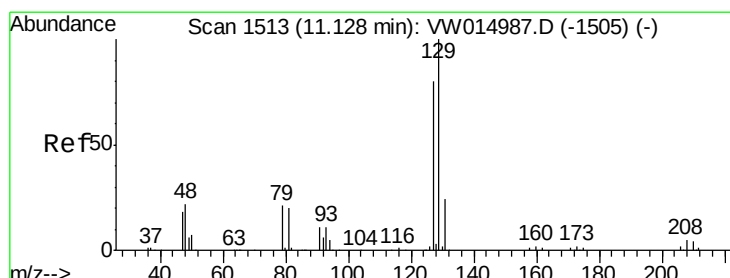
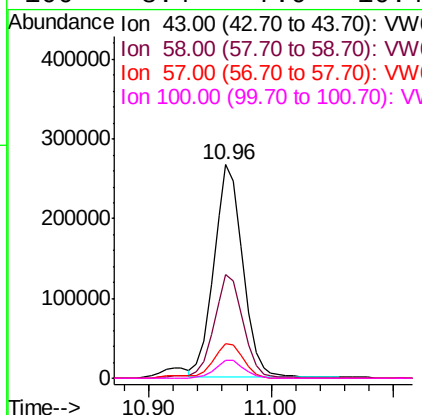
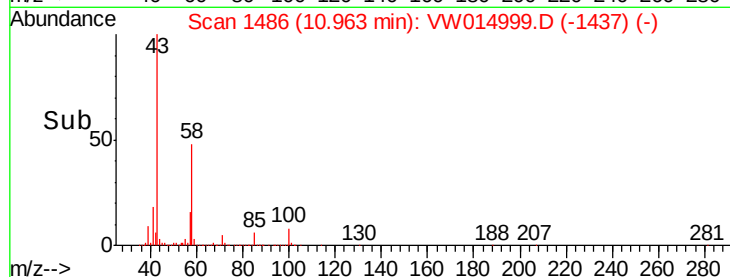
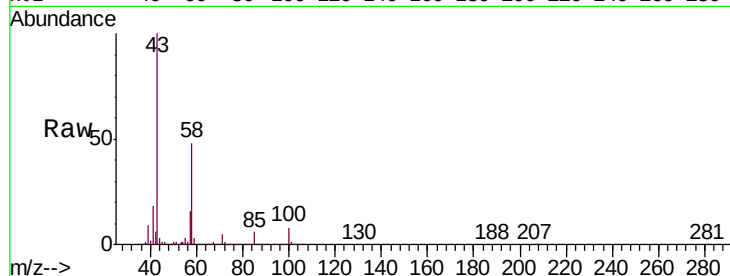




#48
2-Hexanone
Concen: 59.921 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

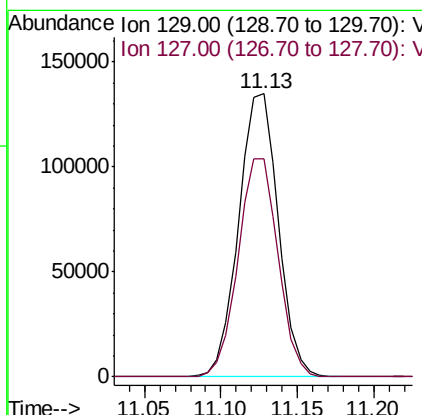
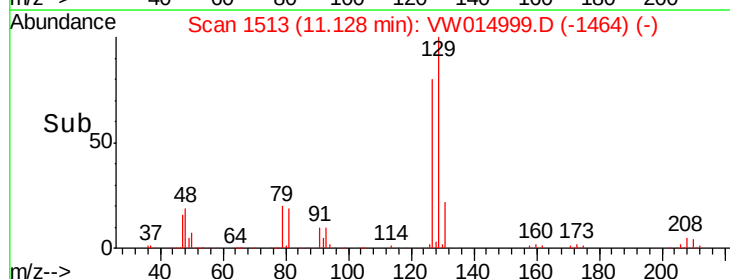
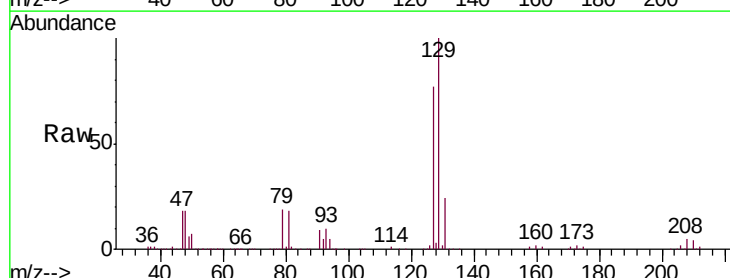
Instrument :
MSVOA_W
ClientSampleId :
BFB303

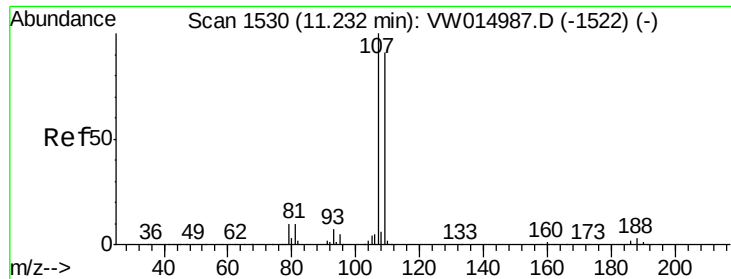
Tgt Ion: 43 Resp: 440652
Ion Ratio Lower Upper
43 100
58 48.0 39.2 58.8
57 16.3 13.1 19.7
100 8.4 7.0 10.4



#49
Dibromochloromethane
Concen: 27.062 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

Tgt Ion: 129 Resp: 242492
Ion Ratio Lower Upper
129 100
127 77.2 53.0 98.4

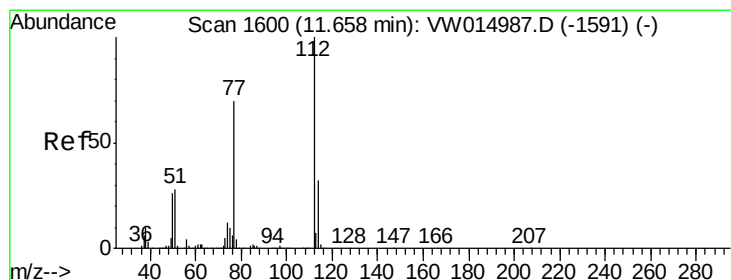
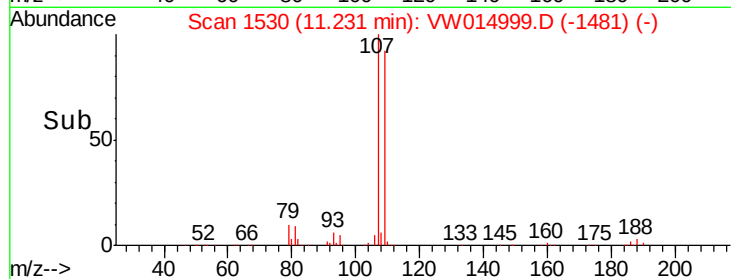
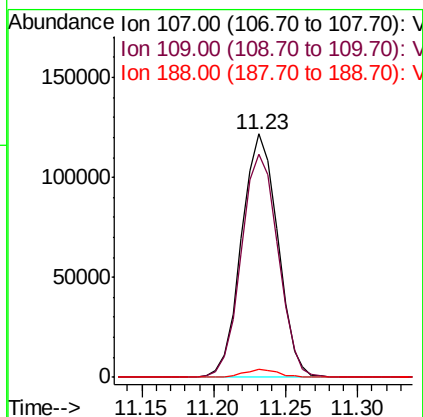
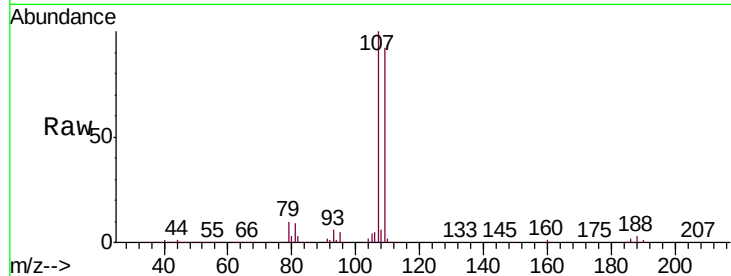




#50
 1,2-Dibromoethane
 Concen: 27.437 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

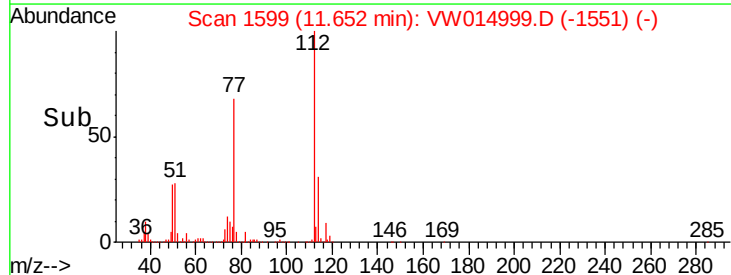
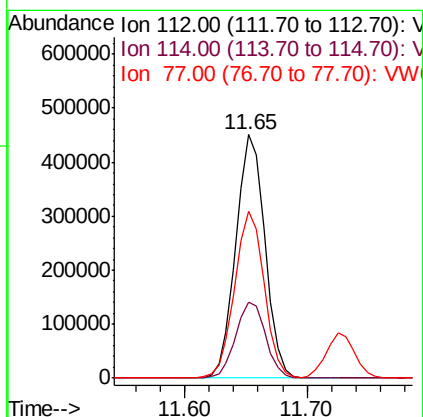
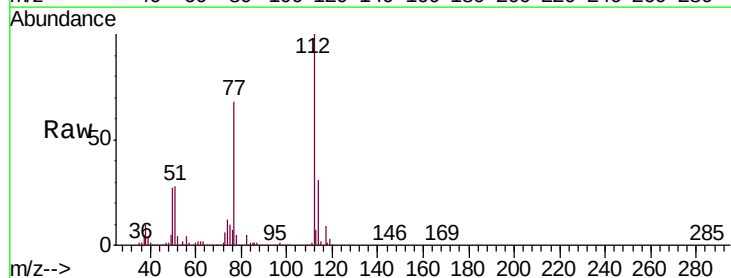
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB303

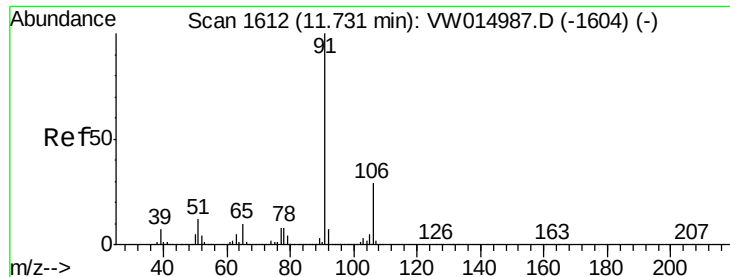
Tgt Ion:107 Resp: 212710
 Ion Ratio Lower Upper
 107 100
 109 91.6 65.1 120.9
 188 3.2 2.4 3.6



#51
 Chlorobenzene
 Concen: 25.672 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

Tgt Ion:112 Resp: 742736
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.6 42.0
 77 68.3 54.6 82.0





#52

Ethylbenzene

Concen: 26.420 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

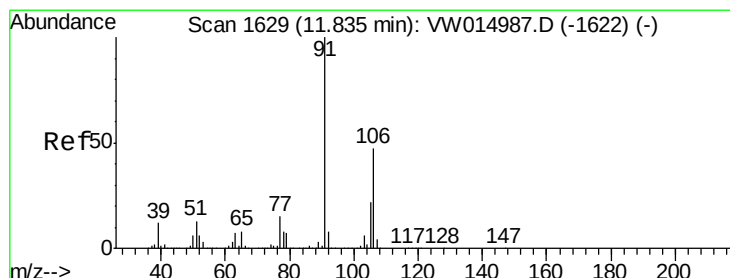
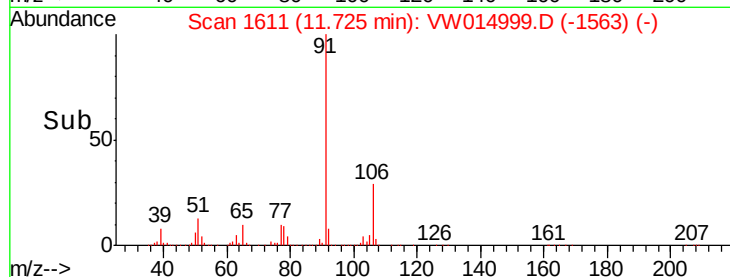
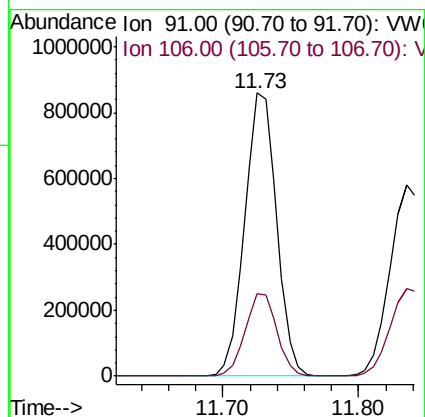
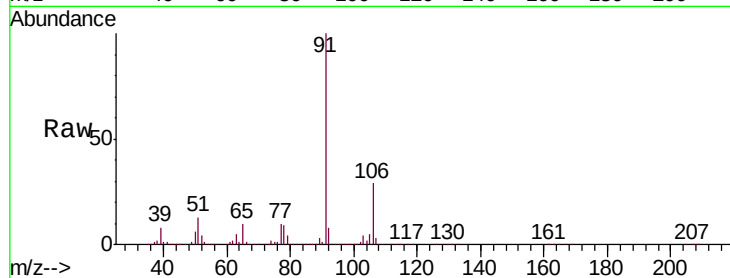
BFB303

Tgt Ion: 91 Resp: 1411464

Ion Ratio Lower Upper

91 100

106 29.0 20.2 37.4



#53

m,p-Xylene

Concen: 26.716 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014999.D

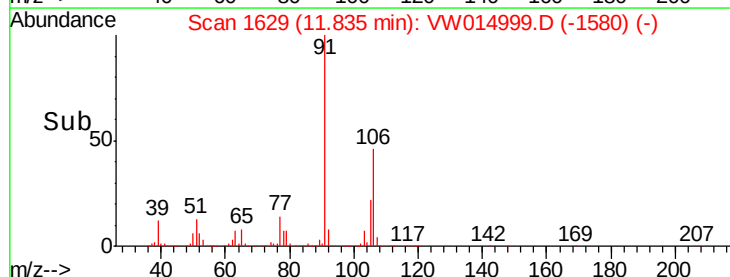
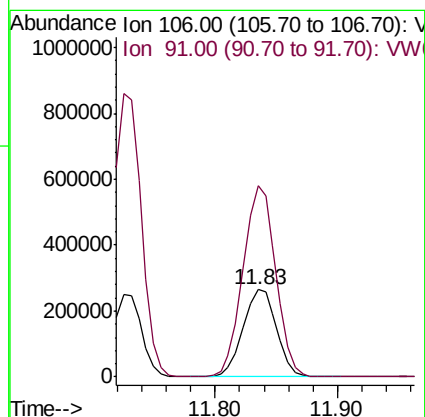
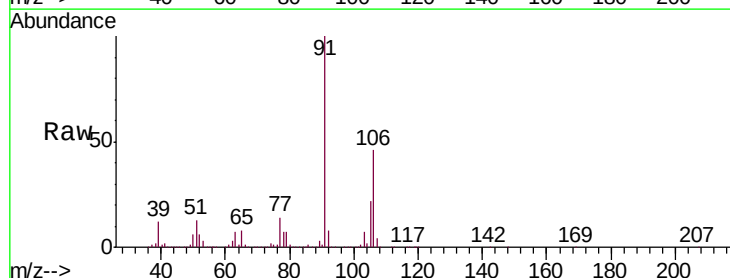
Acq: 17 Feb 2020 11:49

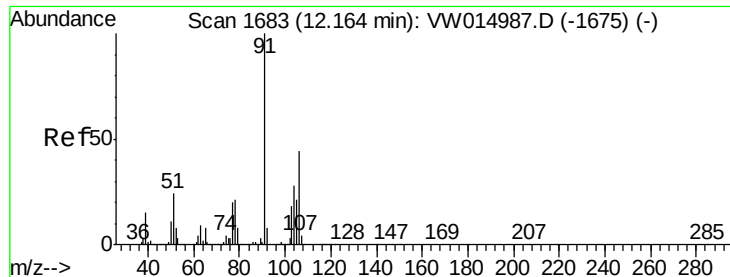
Tgt Ion: 106 Resp: 500806

Ion Ratio Lower Upper

106 100

91 219.3 149.2 277.2





#54

o-Xylene

Concen: 27.100 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

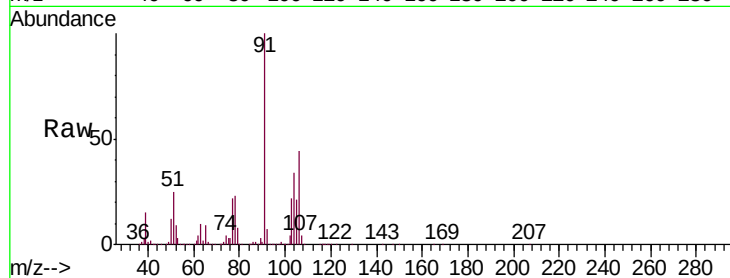
BFB303

Tgt Ion:106 Resp: 477017

Ion Ratio Lower Upper

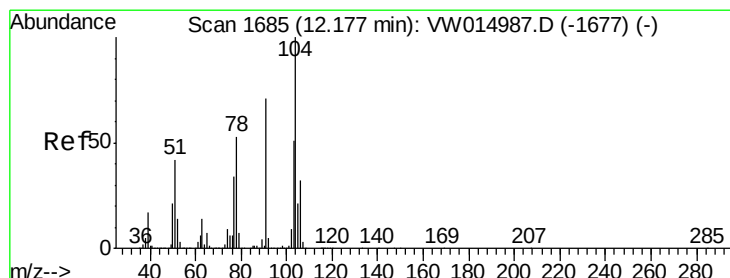
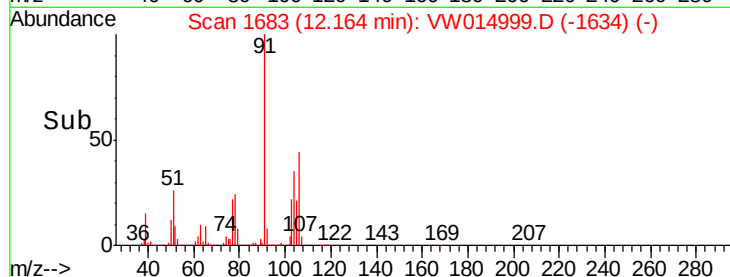
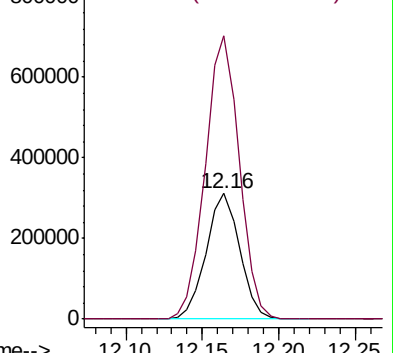
106 100

91 225.3 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

Styrene

Concen: 28.051 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014999.D

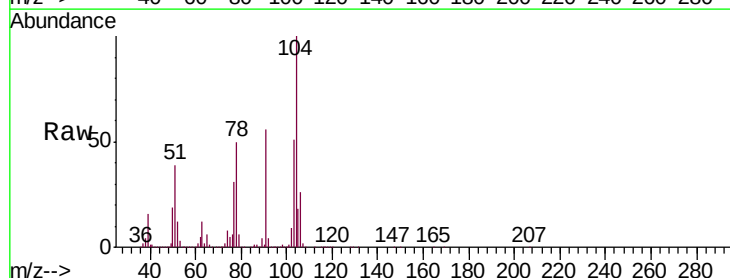
Acq: 17 Feb 2020 11:49

Tgt Ion:104 Resp: 851191

Ion Ratio Lower Upper

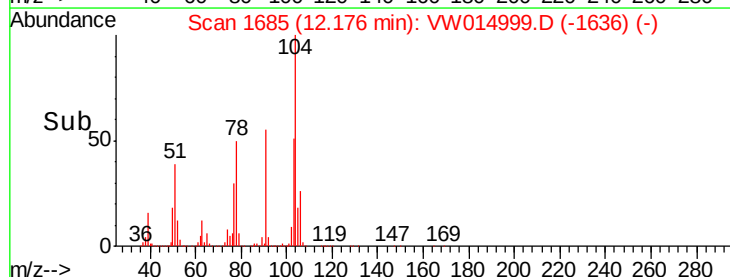
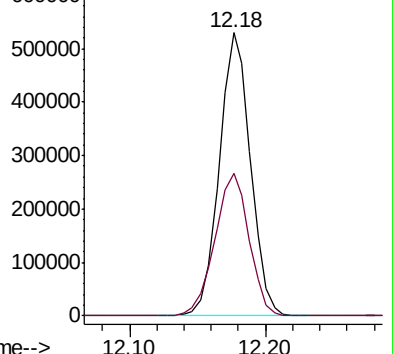
104 100

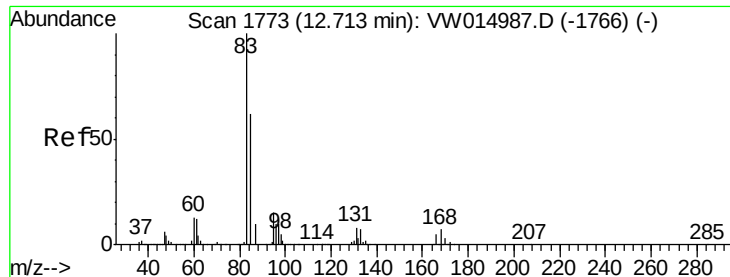
78 50.3 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

1,1,2,2-Tetrachloroethane

Concen: 28.025 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampled :

BFB303

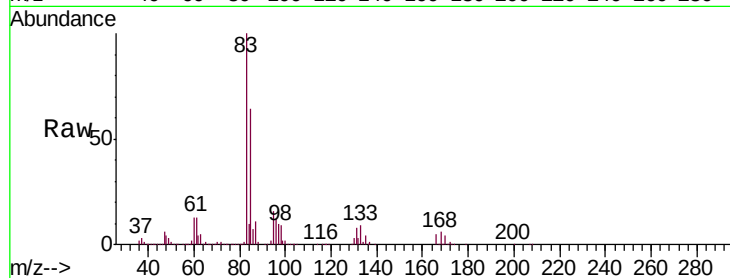
Tgt Ion: 83 Resp: 322489

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.5

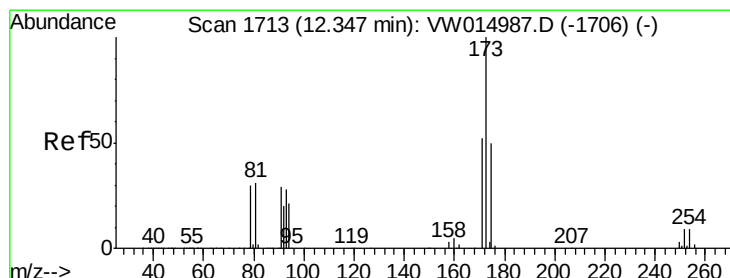
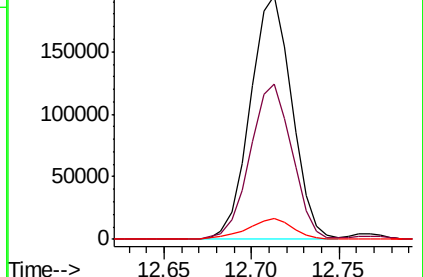
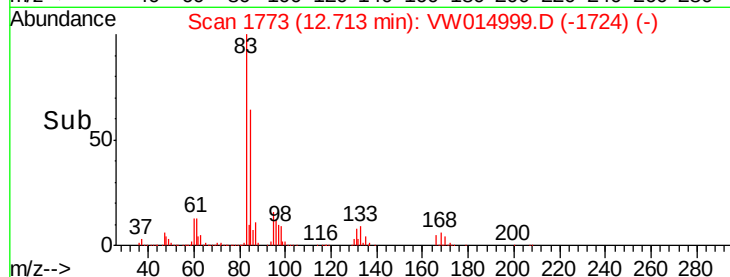
131 8.4 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

Bromoform

Concen: 26.732 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

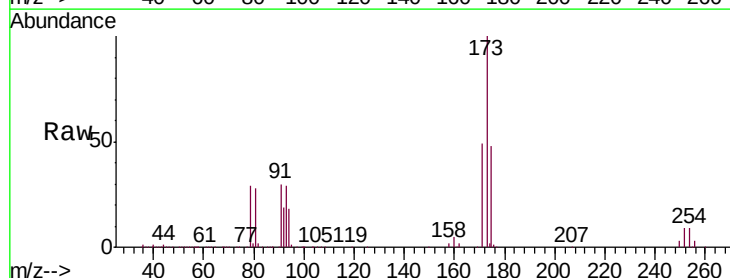
Tgt Ion: 173 Resp: 128486

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

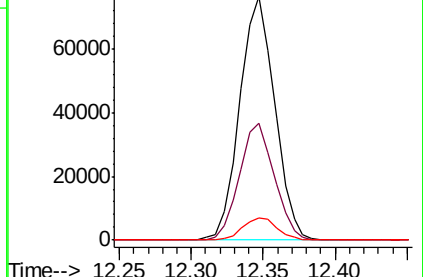
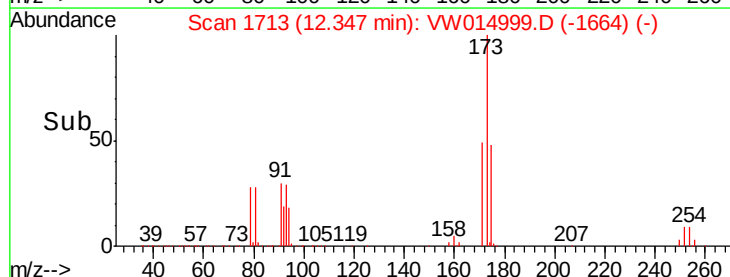
254 9.0 7.1 10.7

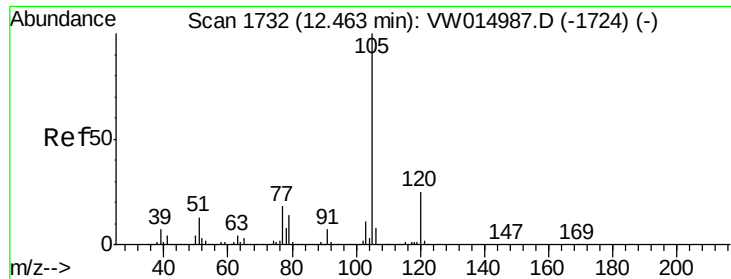


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 25.800 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

Instrument :

MSVOA_W

ClientSampled :

BFB303

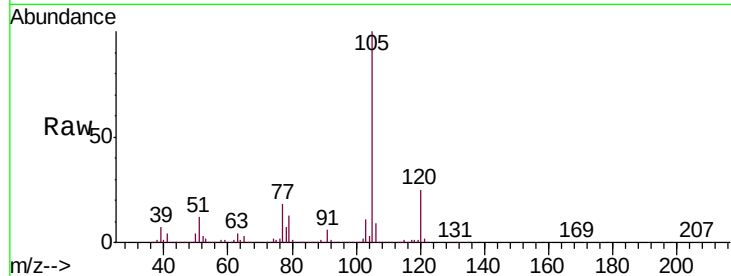
Tgt Ion: 105 Resp: 1269687

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

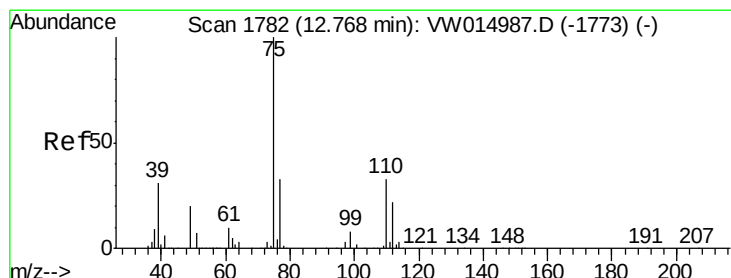
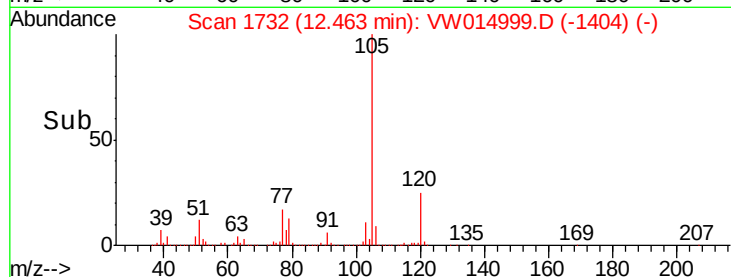
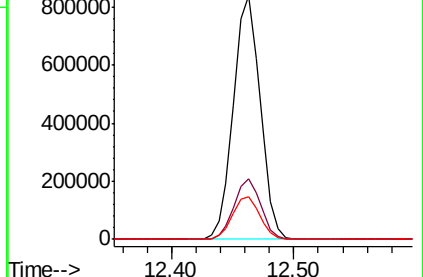
77 17.9 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 26.732 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014999.D

Acq: 17 Feb 2020 11:49

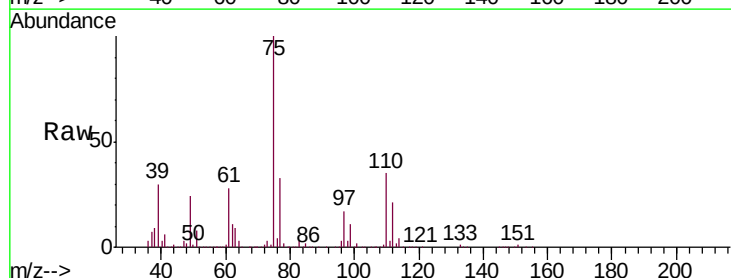
Tgt Ion: 75 Resp: 246280

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

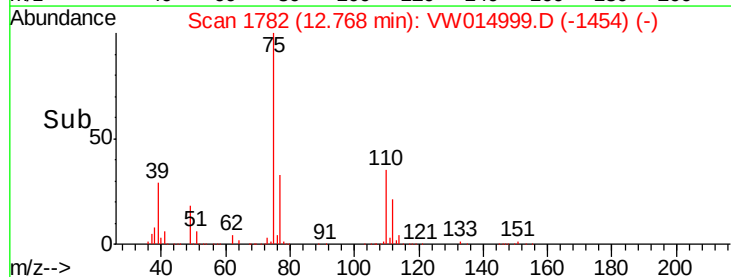
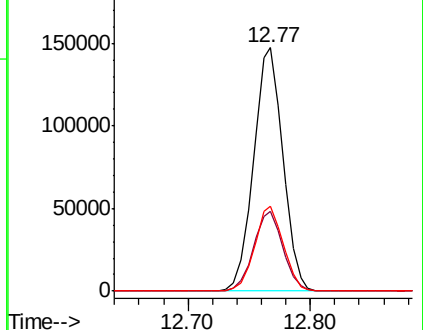
110 34.1 26.6 39.8

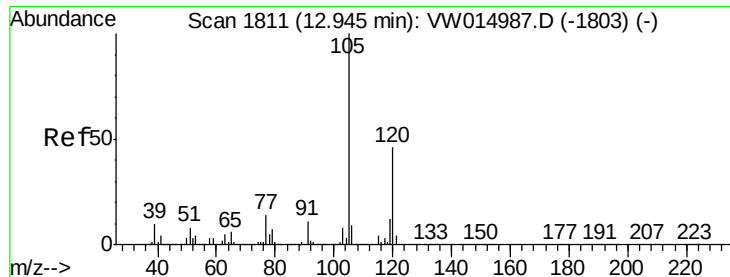


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

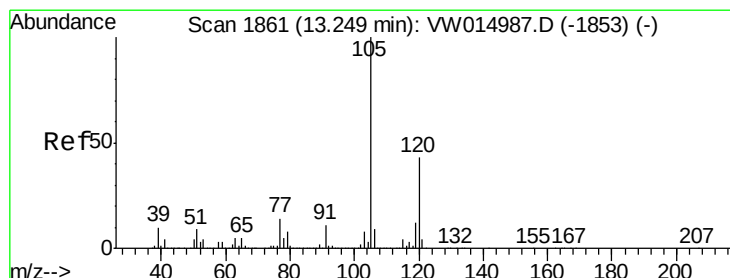
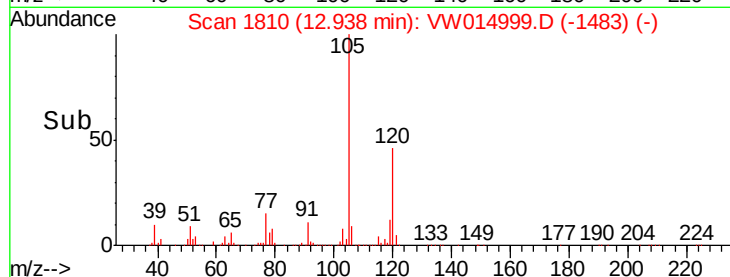
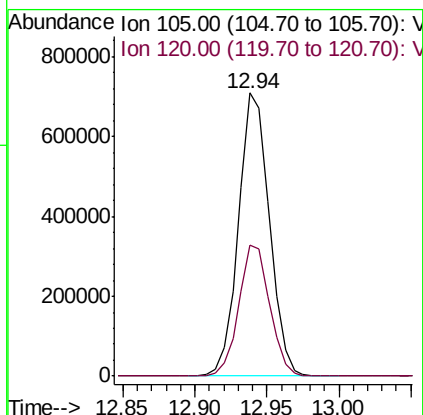
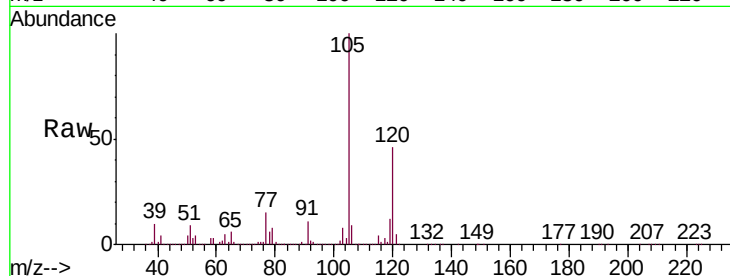




#62
 1,3,5-Trimethylbenzene
 Concen: 26.887 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

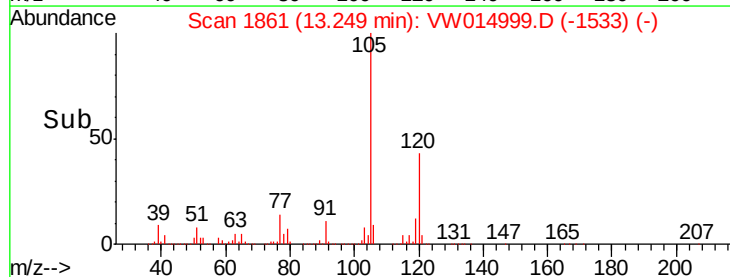
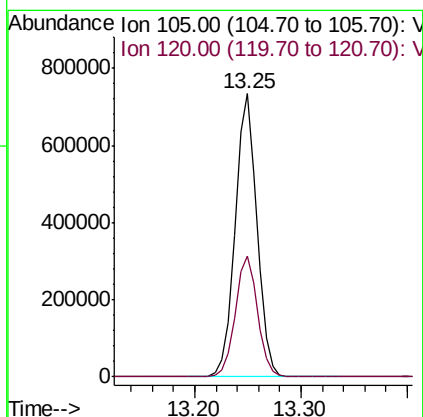
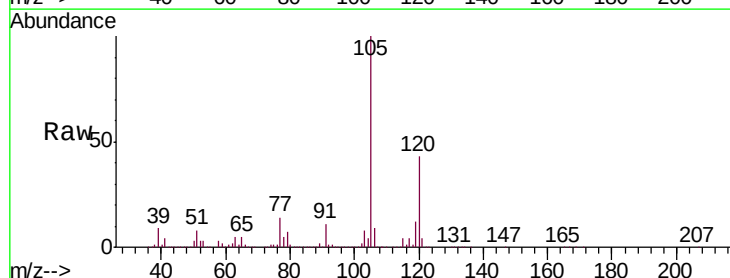
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB303

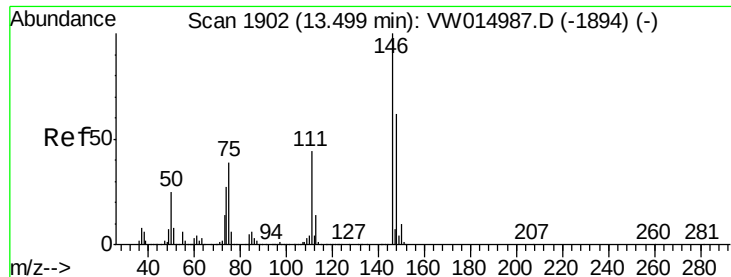
Tgt Ion:105 Resp: 1054988
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 27.456 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

Tgt Ion:105 Resp: 1053978
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.0 52.4

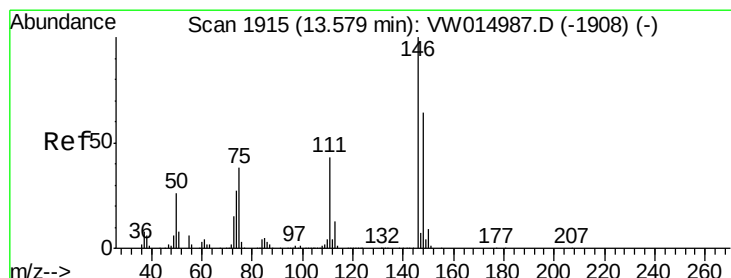
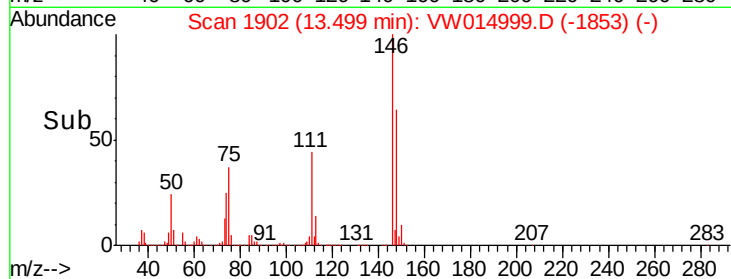
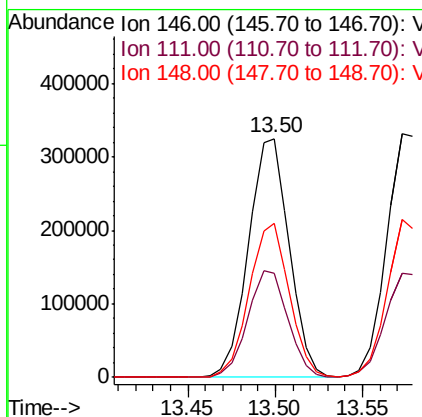
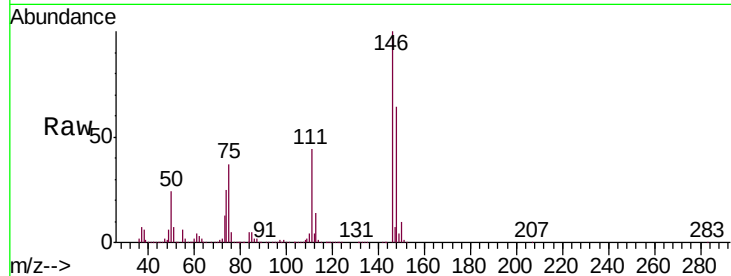




#64
 1,3-Dichlorobenzene
 Concen: 25.892 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

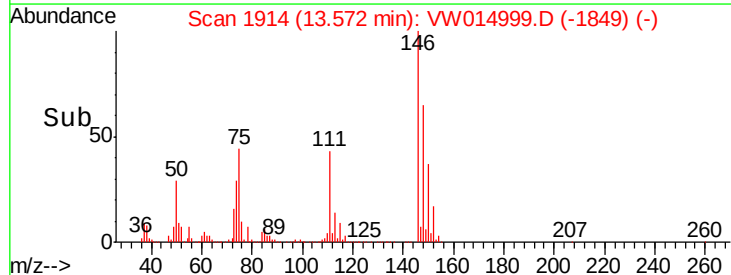
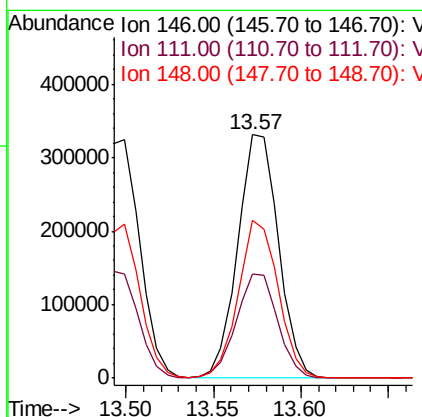
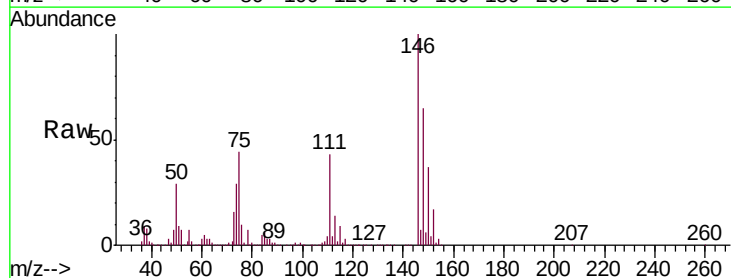
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB303

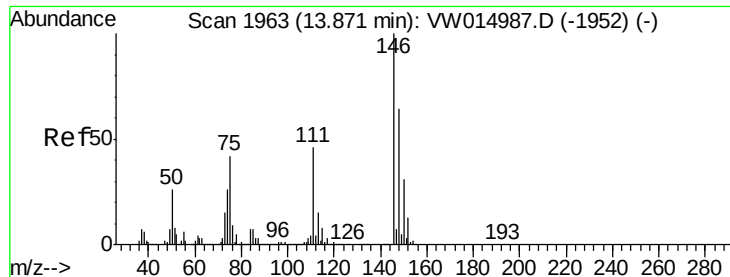
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	30.2	56.0
148	64.4	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 25.623 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	29.5	54.9
148	64.6	43.8	81.3

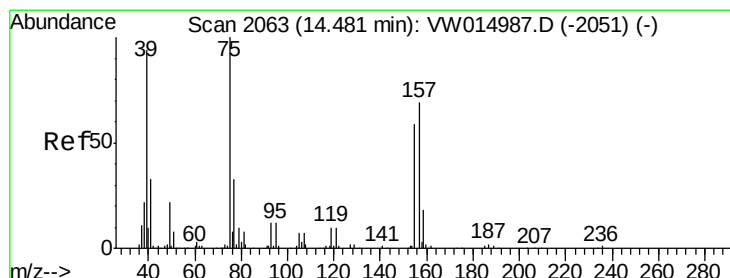
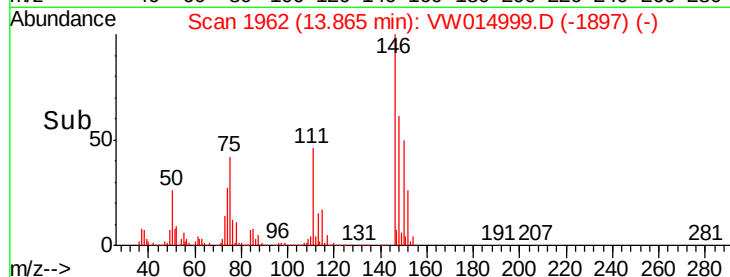
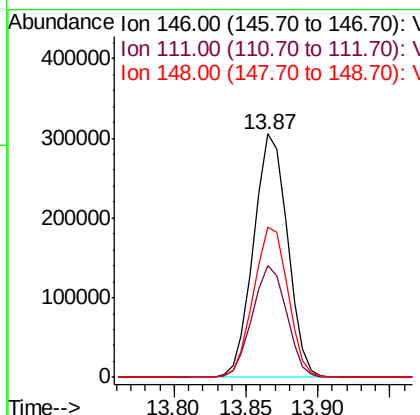
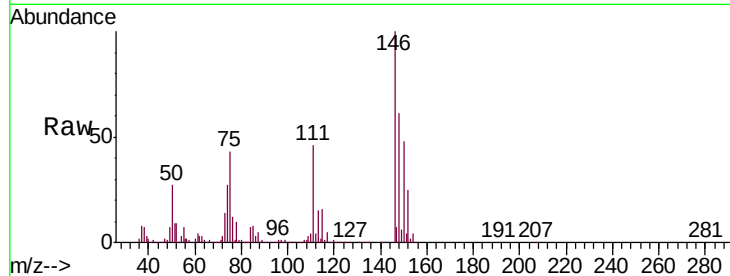




#67
 1,2-Dichlorobenzene
 Concen: 26.550 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

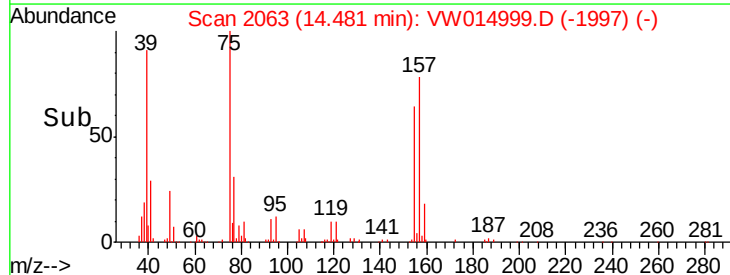
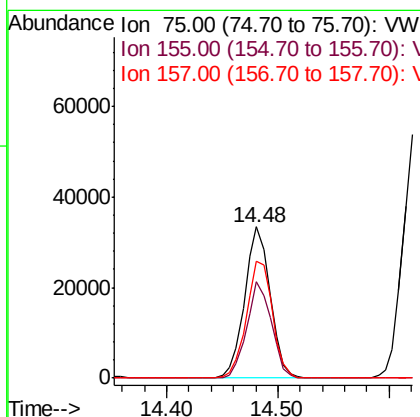
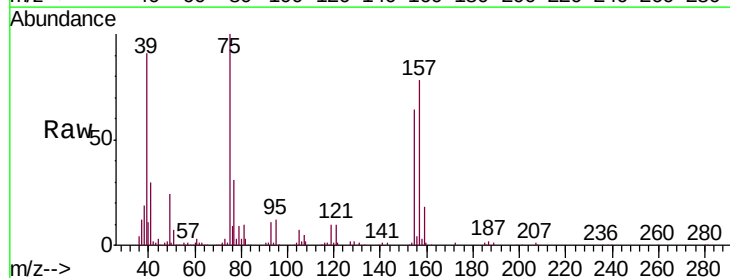
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB303

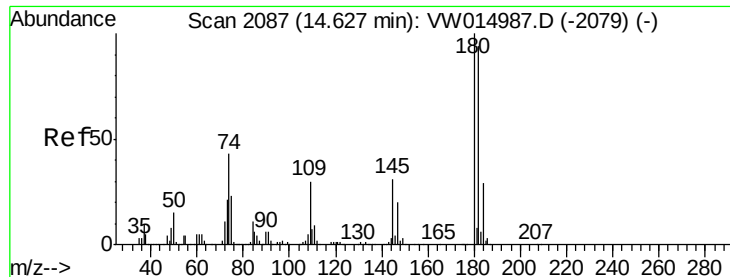
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	38.0	57.0
148	61.5	49.5	74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 27.680 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.6	48.0	72.0
157	77.6	59.4	89.0

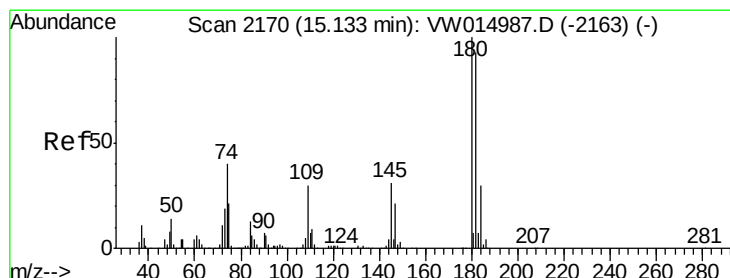
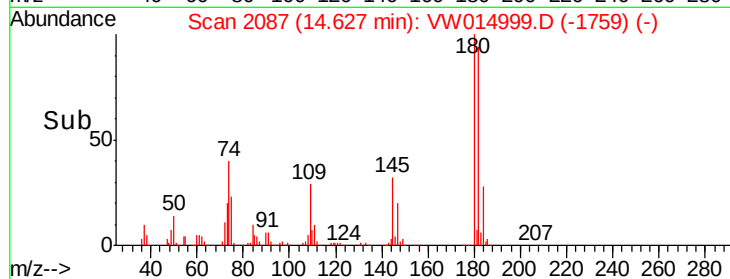
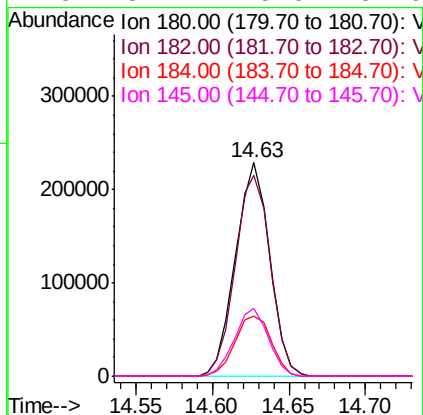
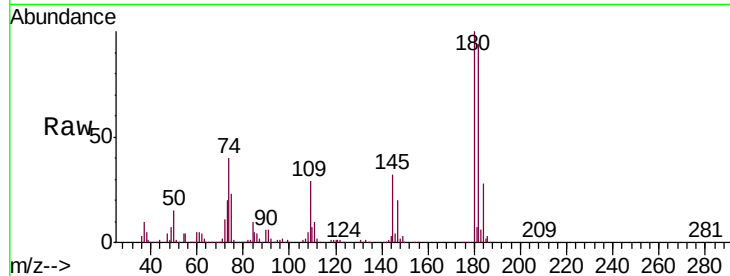




#69
 1,3,5-Trichlorobenzene
 Concen: 26.136 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

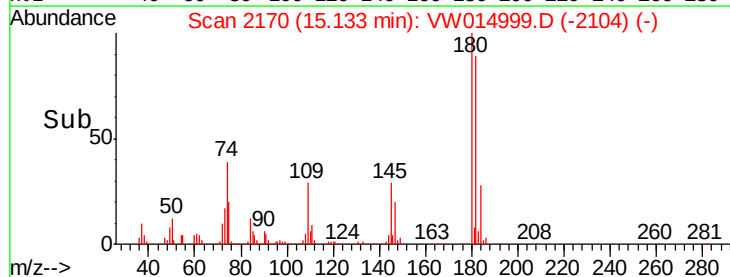
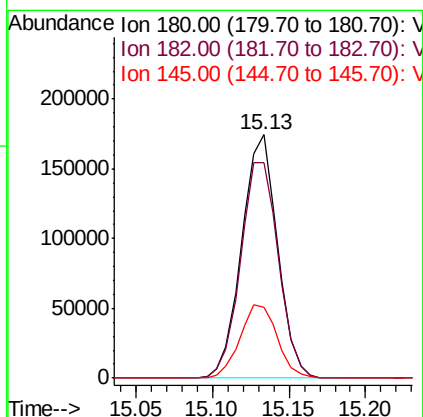
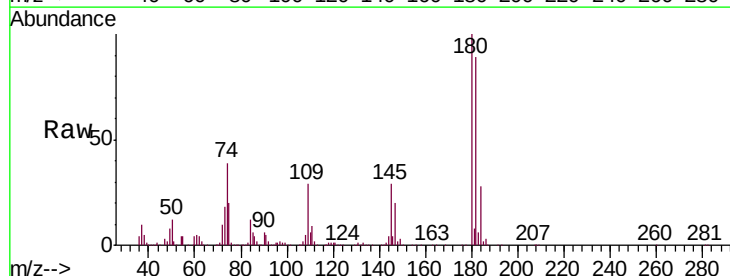
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB303

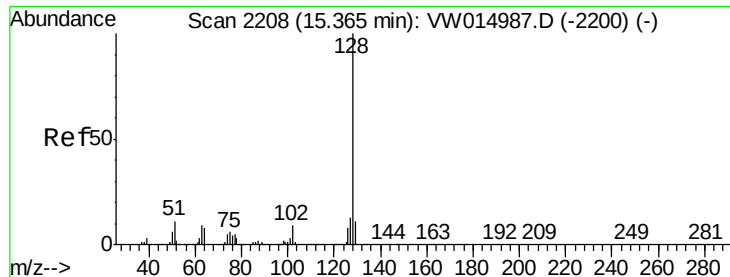
Tgt Ion:	180	Resp:	355320
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
184	30.3	24.2	36.2
145	31.7	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 27.922 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014999.D
 Acq: 17 Feb 2020 11:49

Tgt Ion:	180	Resp:	284550
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
145	31.4	26.2	39.4

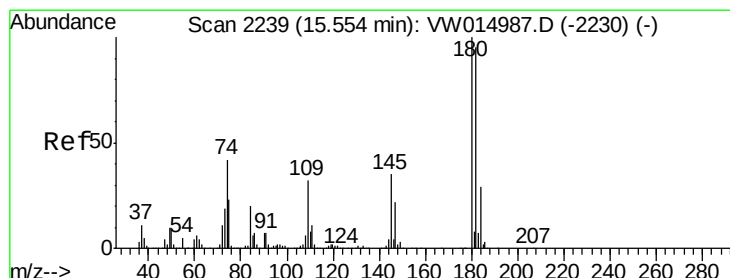
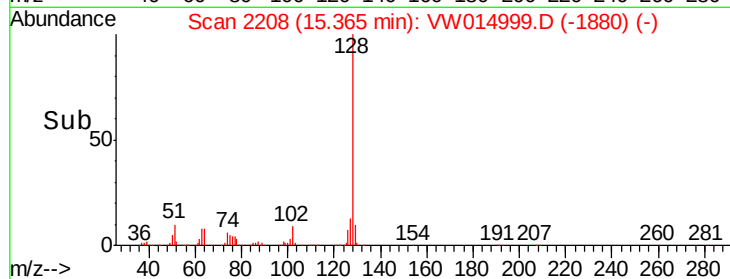
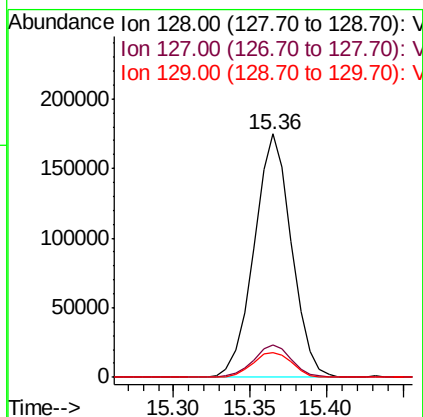
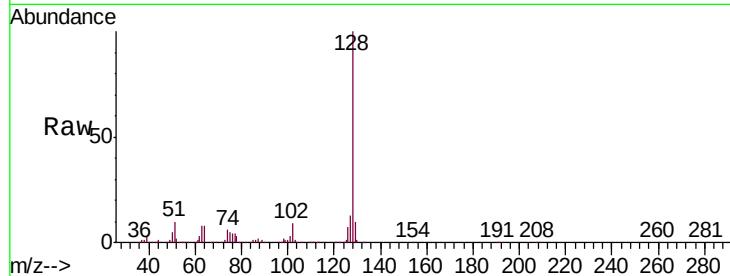




#71
Naphthalene
Concen: 28.426 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

Instrument :
MSVOA_W
ClientSampleId :
BFB303

Tgt Ion:128 Resp: 297501
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 29.171 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014999.D
Acq: 17 Feb 2020 11:49

Tgt Ion:180 Resp: 275475
Ion Ratio Lower Upper
180 100
182 92.2 75.2 112.8
145 33.5 27.0 40.6

