

Data File : VW014704.D
Acq On : 21 Jan 2020 09:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB21

Quant Time: Jan 22 01:31:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 21 13:52:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	881904	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	770420	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	373771	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	255879	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.32%
7) Chloroethane-d5	2.89	69	221744	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
10) 1,1-Dichloroethene-d2	4.02	63	535020	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.12%
20) 2-Butanone-d5	7.07	46	156008	52.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.48%
24) Chloroform-d	7.64	84	503926	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.30	65	251554	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.56%
29) Benzene-d6	8.27	84	1059550	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.27	67	324646	26.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.40%
37) Toluene-d8	10.32	98	967905	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.24%
38) trans-1,3-Dichloropropene-	10.57	79	127454	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.20%
39) 2-Hexanone-d5	10.92	63	116001	55.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	241089	26.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	318990	25.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	149938	19.005 ug/L	95
3) Chloromethane	2.21	50	187370	21.008 ug/L	99
5) Vinyl chloride	2.36	62	304885	24.024 ug/L	99
6) Bromomethane	2.78	94	173067	23.354 ug/L	99
8) Chloroethane	2.93	64	171908	24.224 ug/L	99
9) Trichlorofluoromethane	3.25	101	158776	23.654 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	274505	23.822 ug/L	98
12) 1,1-Dichloroethene	4.04	96	275246	24.392 ug/L	86
13) Acetone	4.12	43	162136	39.585 ug/L	97
14) Carbon disulfide	4.38	76	789149	22.651 ug/L	100
15) Methyl Acetate	4.67	43	126532	22.894 ug/L	99
16) Methylene chloride	4.92	84	278617	19.374 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	352388	24.262 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	273996	23.050 ug/L	100
19) 1,1-Dichloroethane	6.21	63	500970	23.314 ug/L	99
21) 2-Butanone	7.16	43	196105	44.625 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	290441	23.213 ug/L	97

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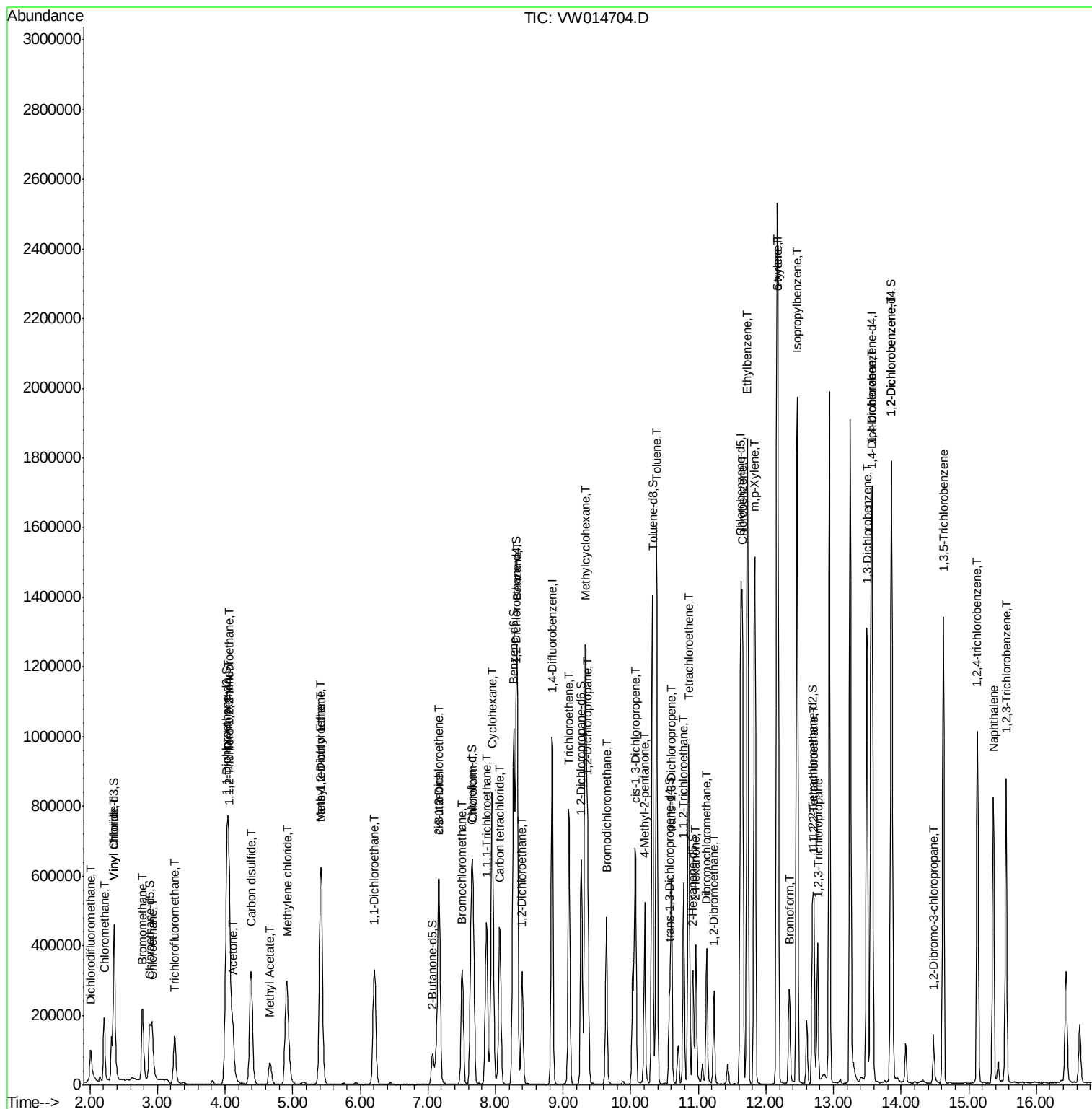
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	121342	22.402	ug/L	96
25) Chloroform	7.67	83	470834	22.909	ug/L	99
27) 1,2-Dichloroethane	8.40	62	290387	21.765	ug/L	99
30) Cyclohexane	7.95	56	506578	25.705	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	382394	24.196	ug/L	99
32) Carbon tetrachloride	8.06	117	357203	24.259	ug/L	99
34) Benzene	8.32	78	1117839	24.111	ug/L	100
35) Trichloroethene	9.09	95	285053	23.823	ug/L	99
36) Methylcyclohexane	9.33	83	527069	25.108	ug/L	99
40) 1,2-Dichloropropane	9.37	63	279794	23.843	ug/L	100
41) Bromodichloromethane	9.64	83	324300	22.975	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	416394	23.754	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	341874	45.383	ug/L	99
44) Toluene	10.38	91	1178977	24.334	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	328680	23.450	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	191927	23.091	ug/L	99
47) Tetrachloroethene	10.86	164	239104	23.798	ug/L	99
49) 2-Hexanone	10.96	43	257835	50.123	ug/L	99
50) Dibromochloromethane	11.13	129	218944	23.198	ug/L	95
51) 1,2-Dibromoethane	11.23	107	184703	23.541	ug/L	99
52) Chlorobenzene	11.65	112	726780	23.730	ug/L	99
53) Ethylbenzene	11.73	91	1317661	24.735	ug/L	99
54) m,p-Xylene	11.83	106	498494	24.728	ug/L	96
55) o-xylene	12.16	106	466656	24.508	ug/L	99
56) Styrene	12.18	104	785445	24.508	ug/L	99
57) Isopropylbenzene	12.46	105	1287272	25.415	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	229195	22.711	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	174101	23.029	ug/L	99
62) Bromoform	12.35	173	128111	22.937	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	564709	23.864	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	564394	23.653	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	510449	24.063	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	36622	23.313	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	436842	24.920	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	354139	26.950	ug/L	99
69) Naphthalene	15.36	128	699712	30.843	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	317694	26.680	ug/L	99

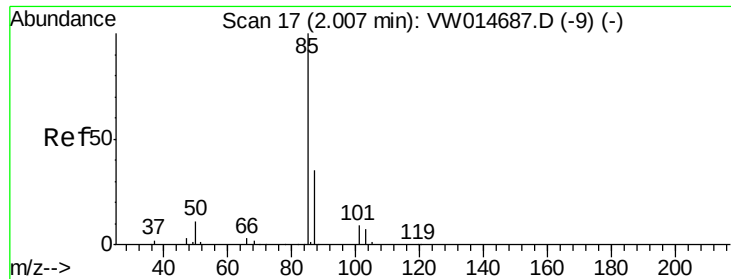
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.005 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

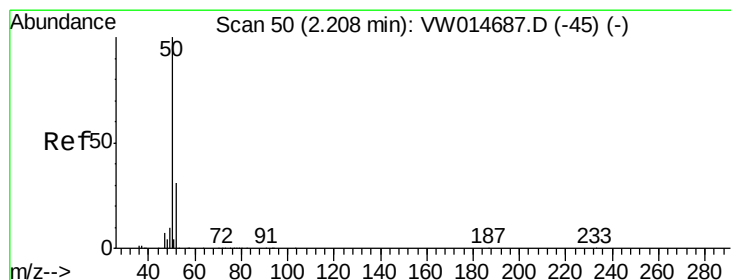
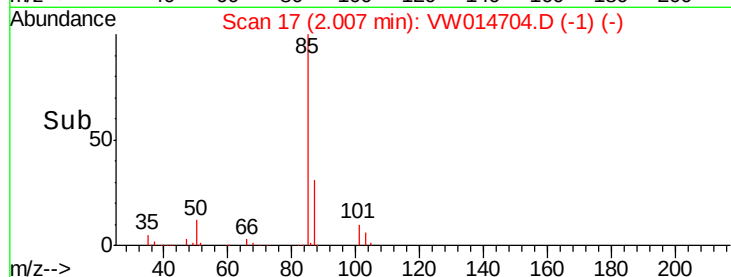
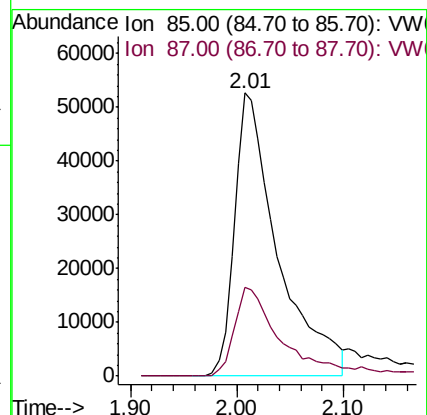
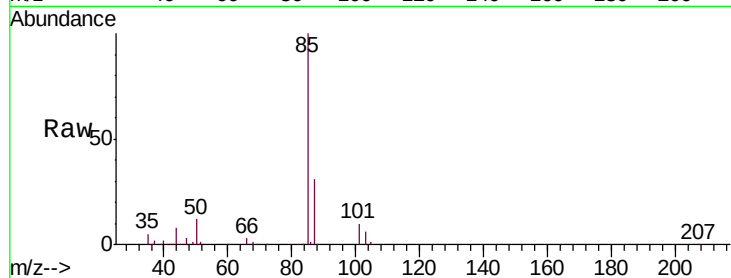
BFB21

Tgt Ion: 85 Resp: 149938

Ion Ratio Lower Upper

85 100

87 33.3 21.5 39.9



#3

Chloromethane

Concen: 21.008 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014704.D

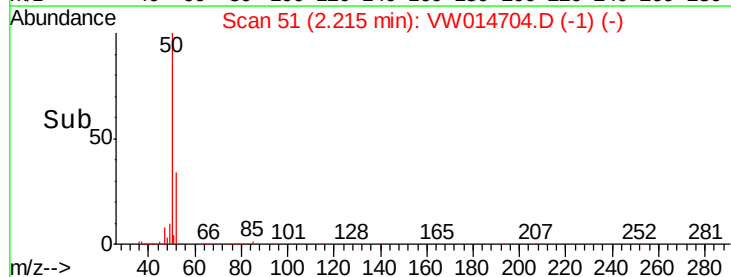
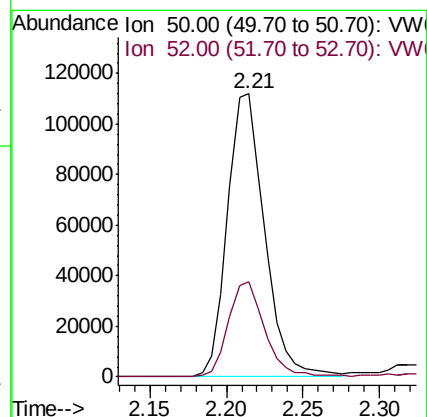
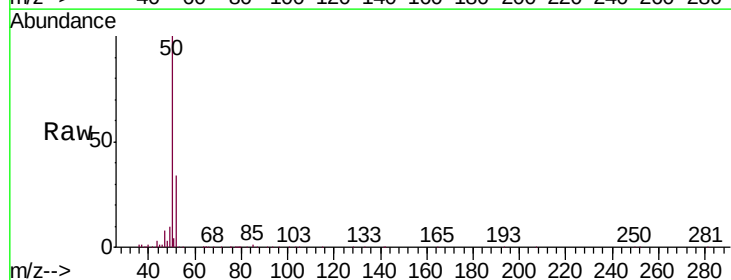
Acq: 21 Jan 2020 09:28

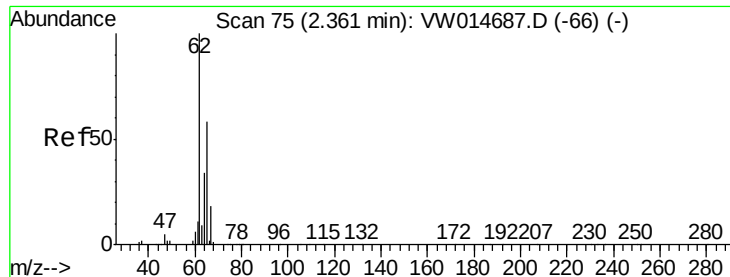
Tgt Ion: 50 Resp: 187370

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.8





#5

Vinyl chloride

Concen: 24.024 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

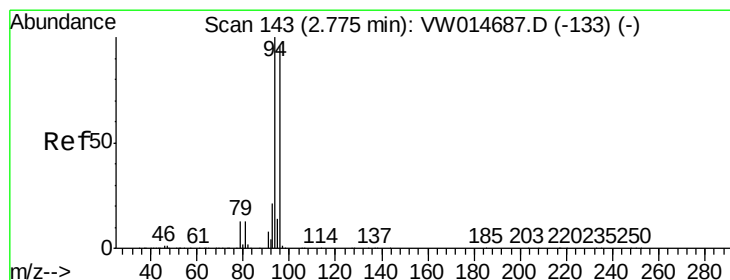
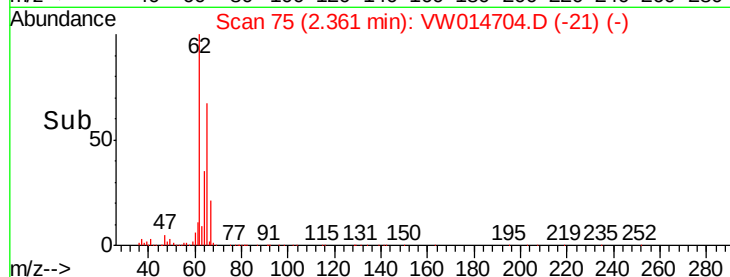
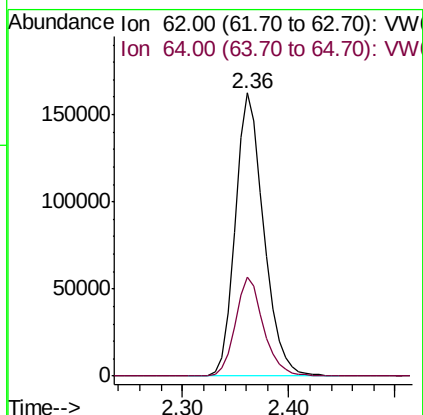
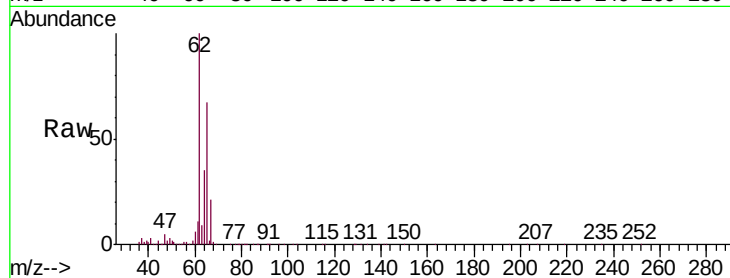
BFB21

Tgt Ion: 62 Resp: 304885

Ion Ratio Lower Upper

62 100

64 34.8 24.1 44.8



#6

Bromomethane

Concen: 23.354 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014704.D

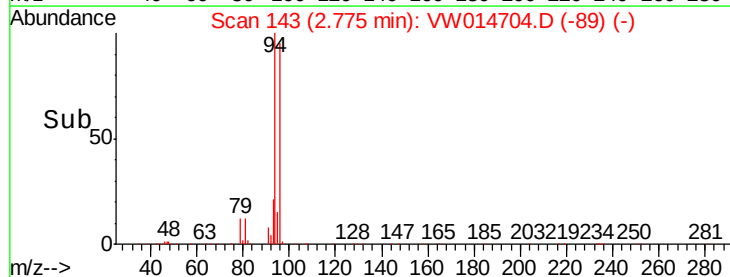
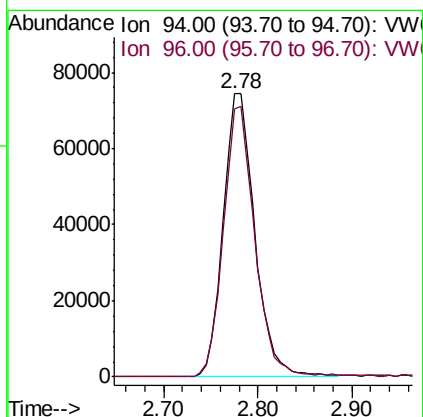
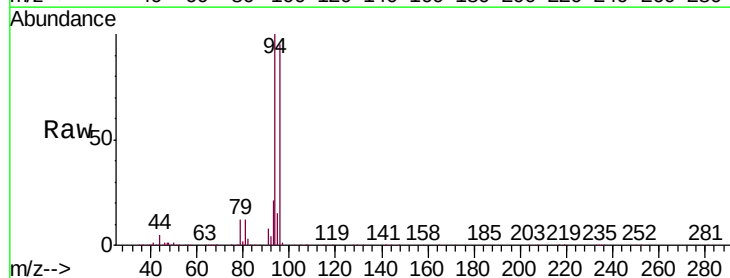
Acq: 21 Jan 2020 09:28

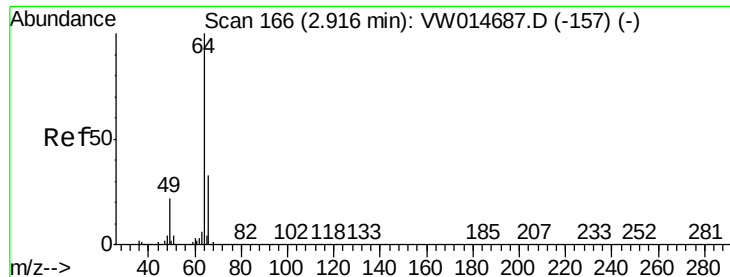
Tgt Ion: 94 Resp: 173067

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.8





#8

Chloroethane

Concen: 24.224 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

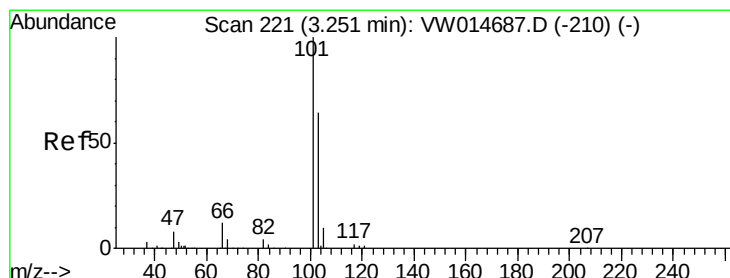
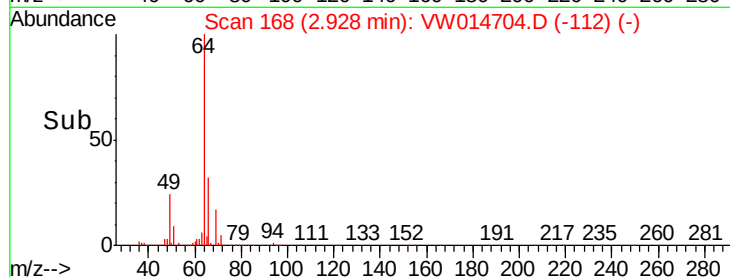
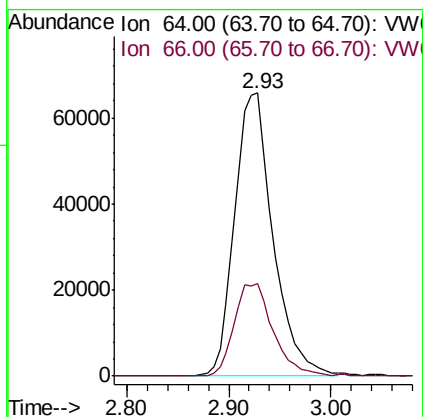
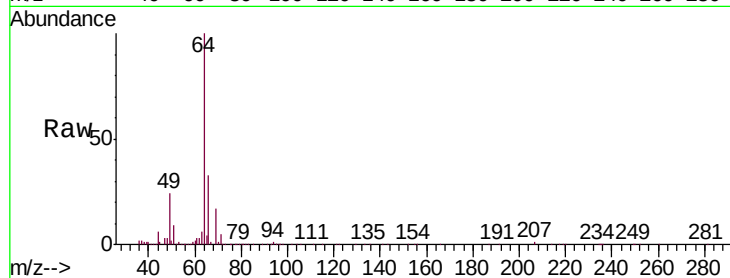
BFB21

Tgt Ion: 64 Resp: 171908

Ion Ratio Lower Upper

64 100

66 32.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 23.654 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW014704.D

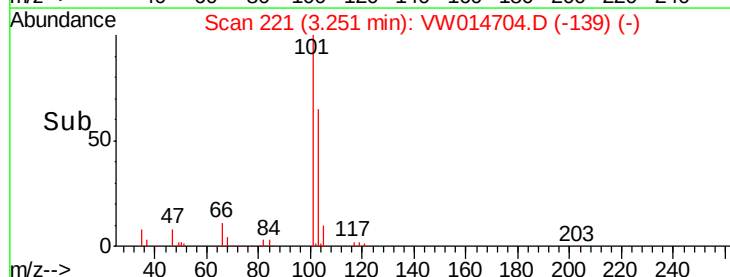
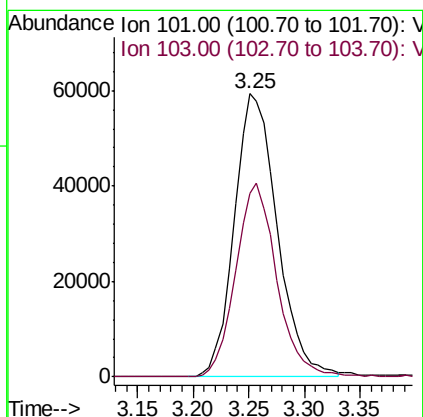
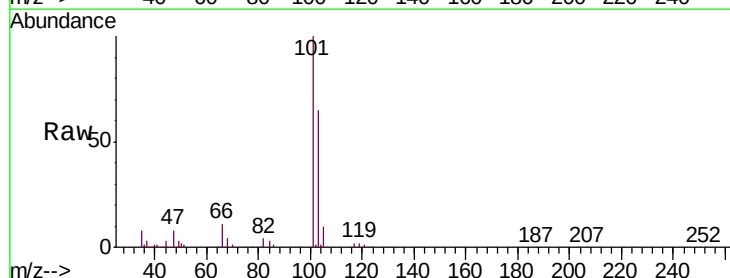
Acq: 21 Jan 2020 09:28

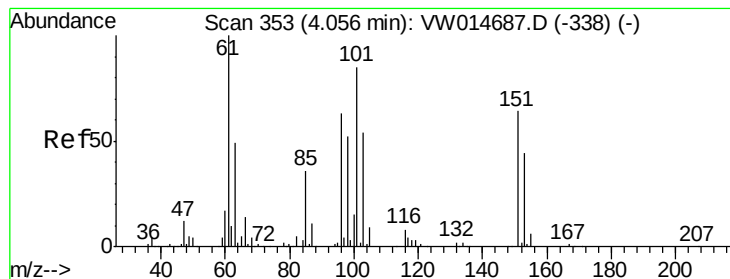
Tgt Ion: 101 Resp: 158776

Ion Ratio Lower Upper

101 100

103 65.5 45.5 84.5





#11

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

Concen: 23.822 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

BFB21

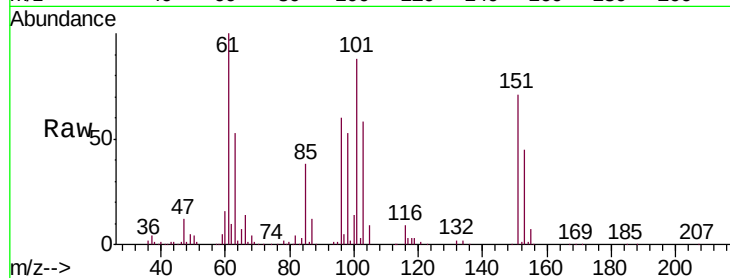
Tgt Ion:101 Resp: 274505

Ion Ratio Lower Upper

101 100

85 40.8 33.3 49.9

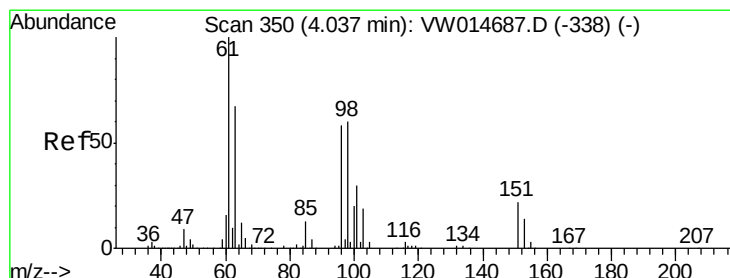
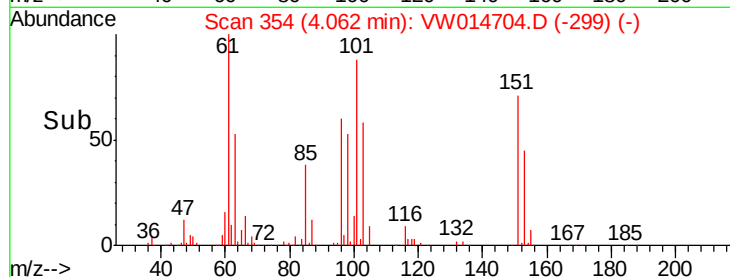
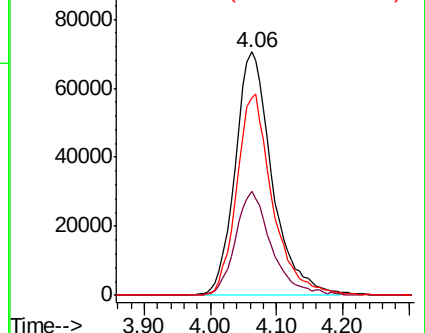
151 79.6 62.5 93.7



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: 24.392 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

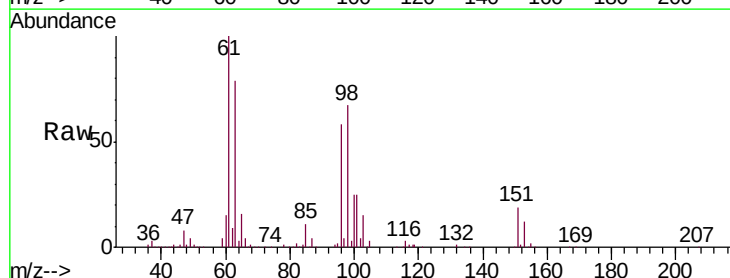
Tgt Ion: 96 Resp: 275246

Ion Ratio Lower Upper

96 100

61 173.2 114.2 212.0

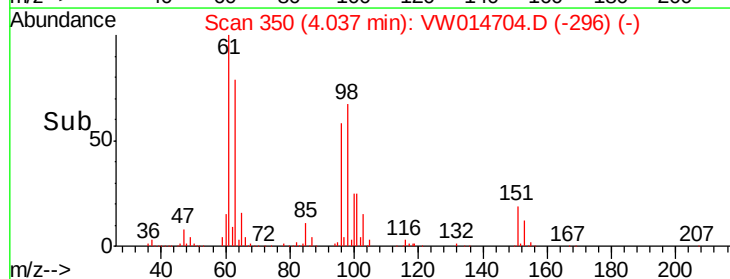
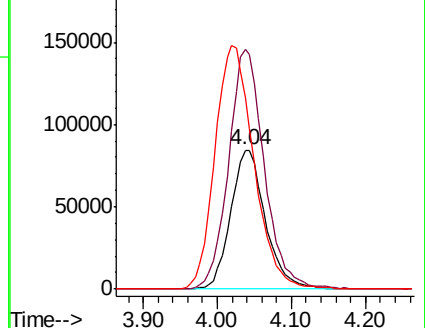
63 137.5 78.6 146.0

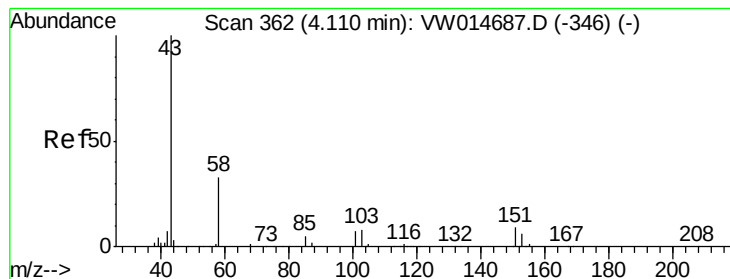


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.585 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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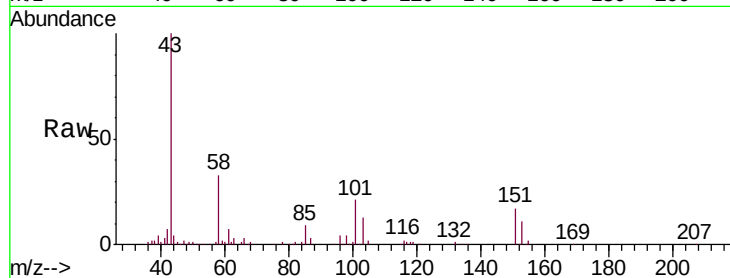
BFB21

Tgt Ion: 43 Resp: 162136

Ion Ratio Lower Upper

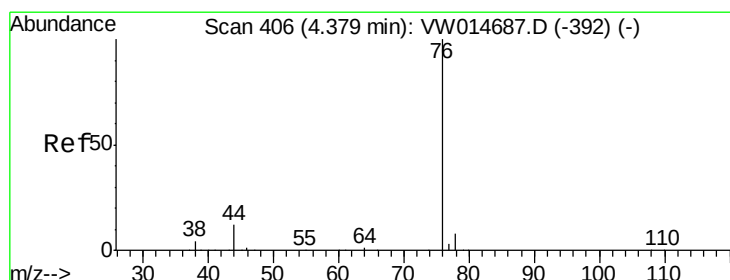
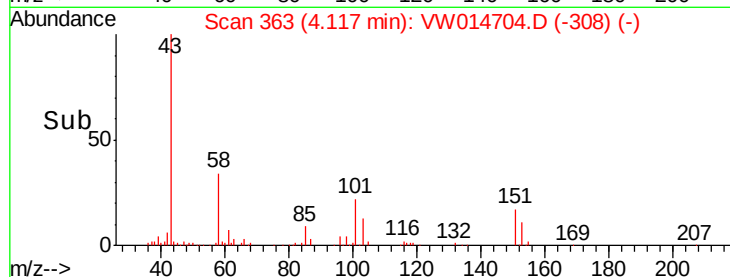
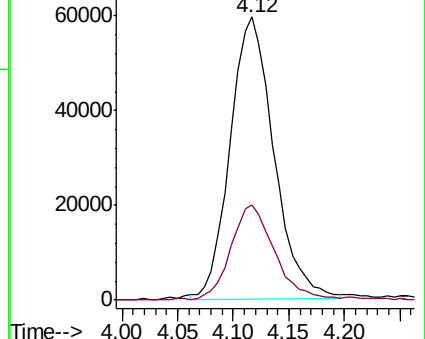
43 100

58 33.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.651 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014704.D

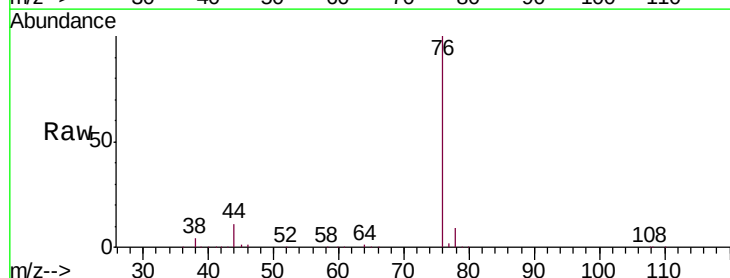
Acq: 21 Jan 2020 09:28

Tgt Ion: 76 Resp: 789149

Ion Ratio Lower Upper

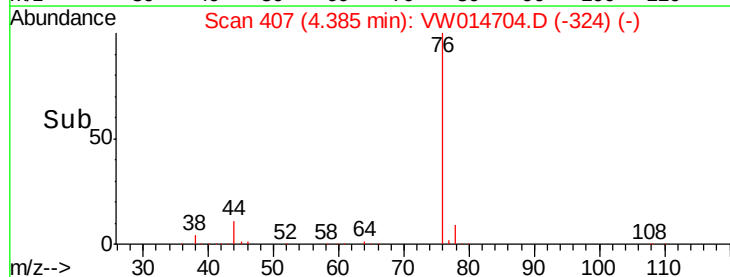
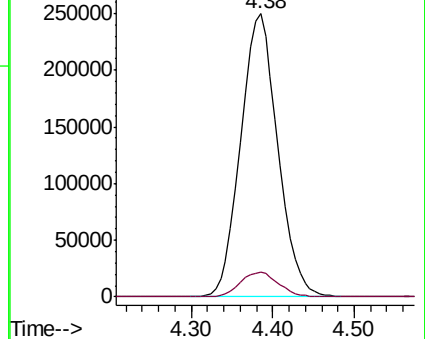
76 100

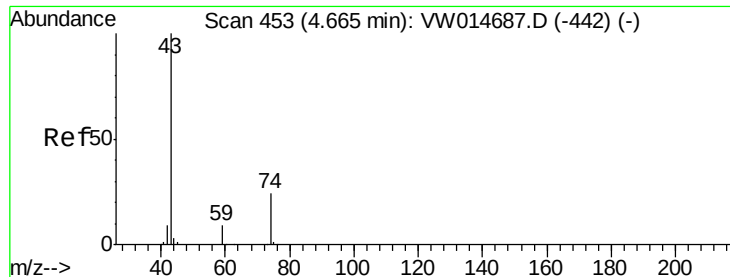
78 8.7 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

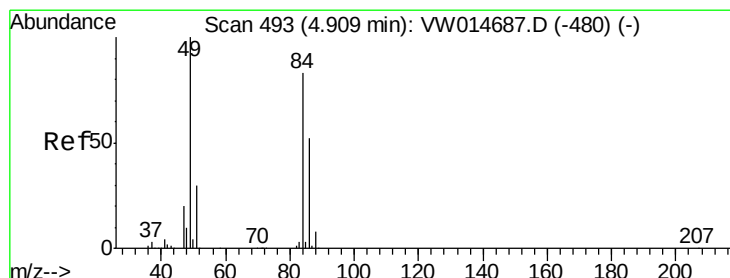
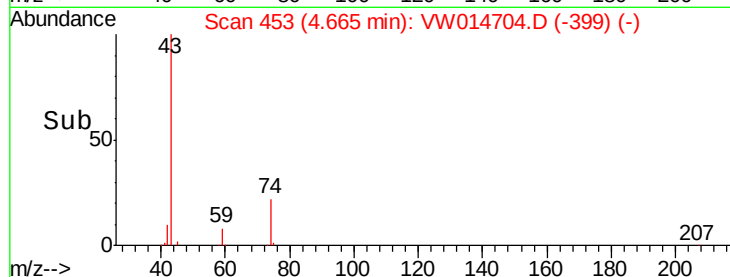
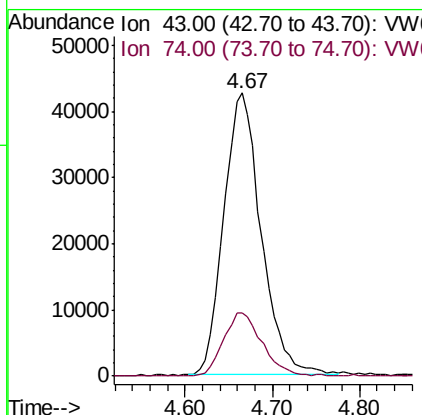
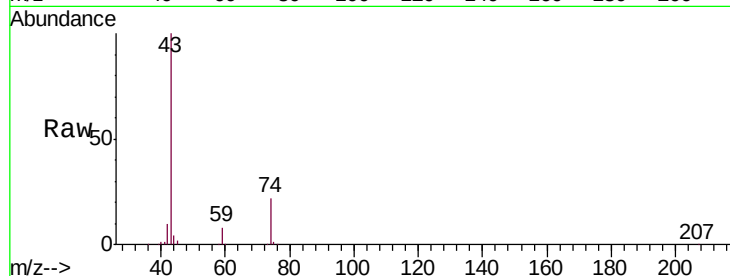




#15
Methyl Acetate
Concen: 22.894 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

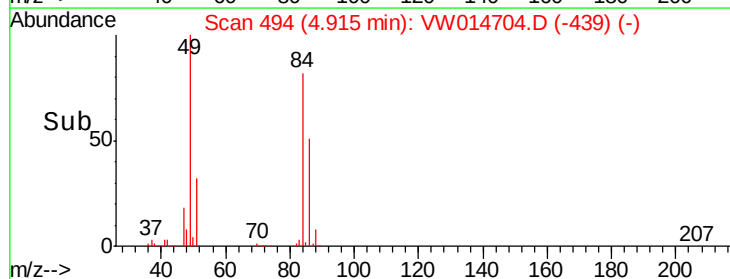
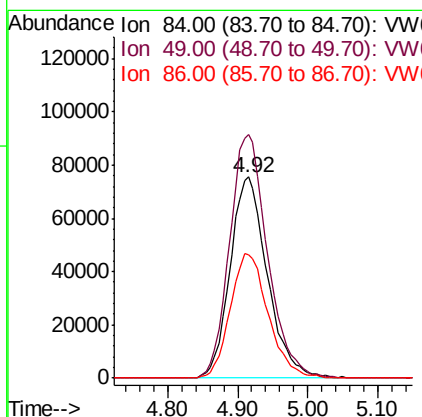
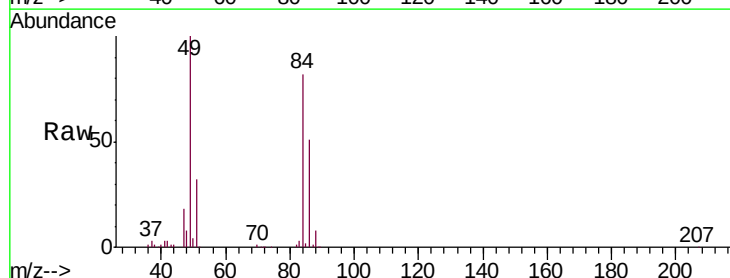
Instrument :
MSVOA_W
ClientSampleId :
BFB21

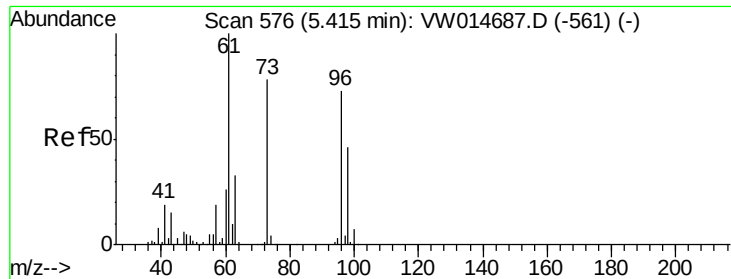
Tgt Ion: 43 Resp: 126532
Ion Ratio Lower Upper
43 100
74 23.3 18.3 27.5



#16
Methylene chloride
Concen: 19.374 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

Tgt Ion: 84 Resp: 278617
Ion Ratio Lower Upper
84 100
49 121.3 85.8 159.4
86 61.6 44.5 82.7

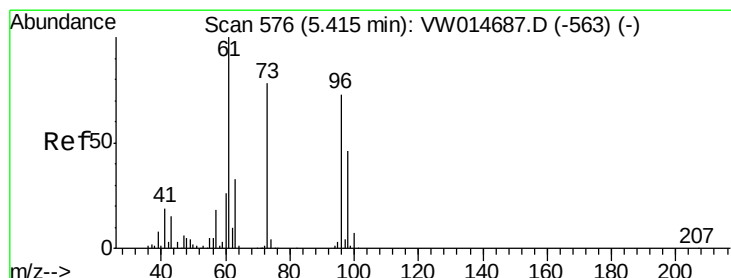
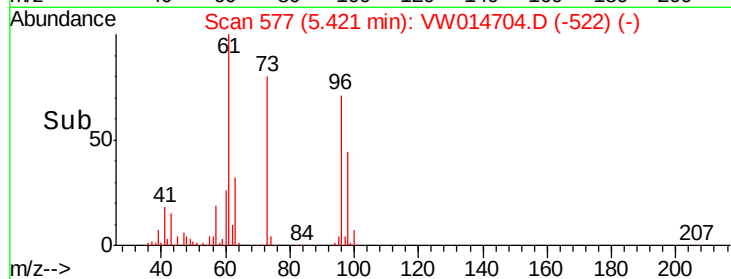
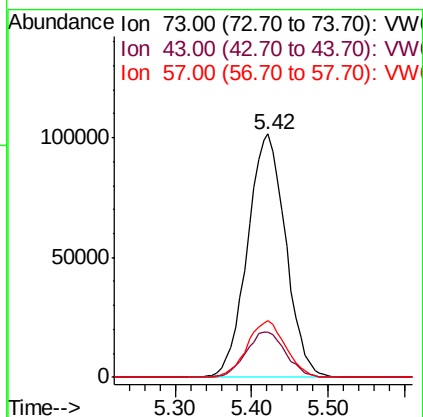
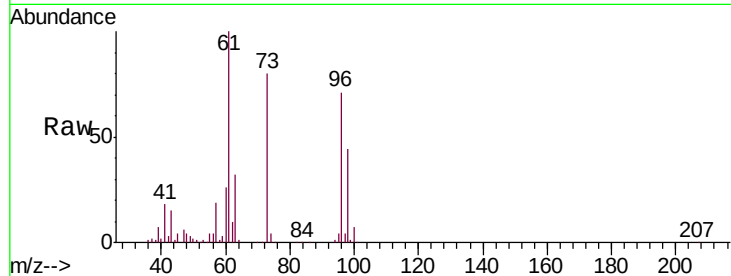




#17
Methyl tert-butyl Ether
Concen: 24.262 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

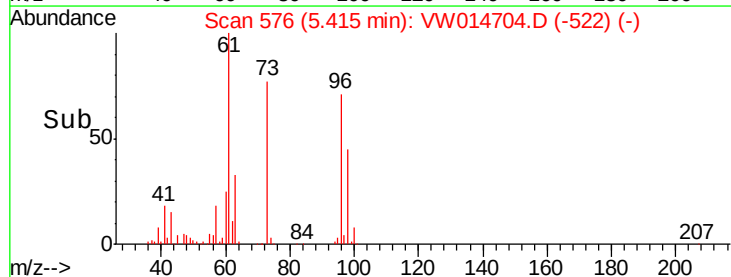
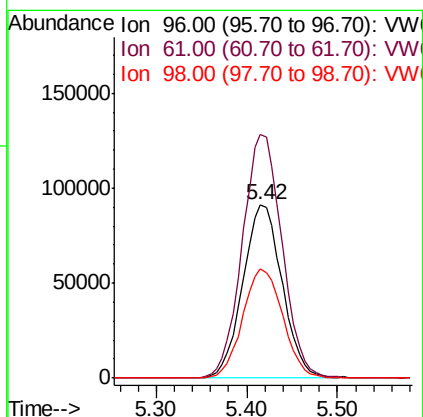
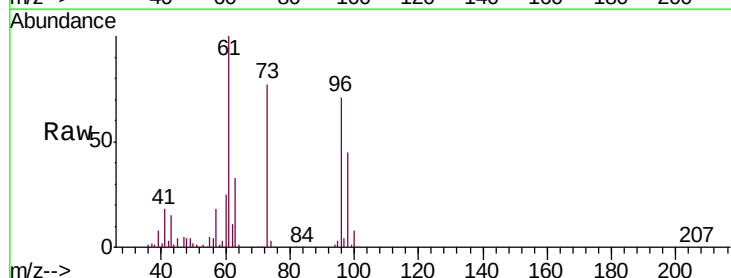
Instrument :
MSVOA_W
ClientSampled :
BFB21

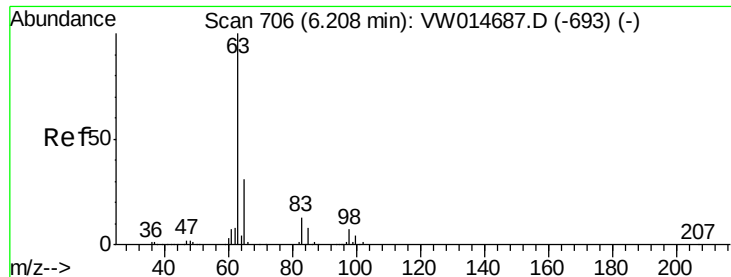
Tgt Ion: 73 Resp: 352388
Ion Ratio Lower Upper
73 100
43 19.3 15.7 23.5
57 23.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 23.050 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

Tgt Ion: 96 Resp: 273996
Ion Ratio Lower Upper
96 100
61 140.3 98.2 182.4
98 62.8 44.1 81.9

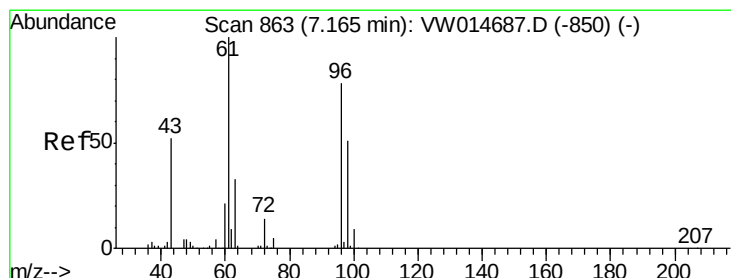
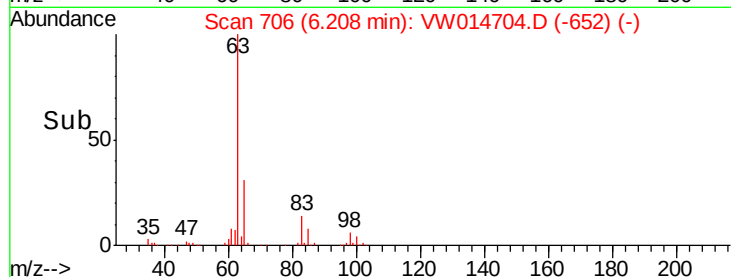
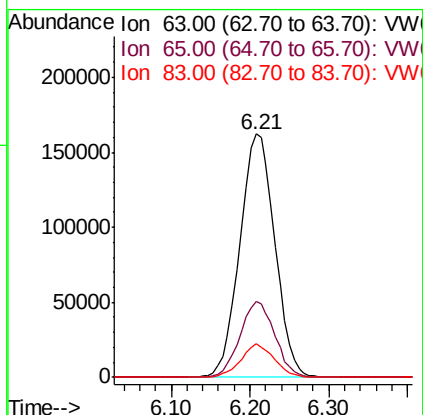
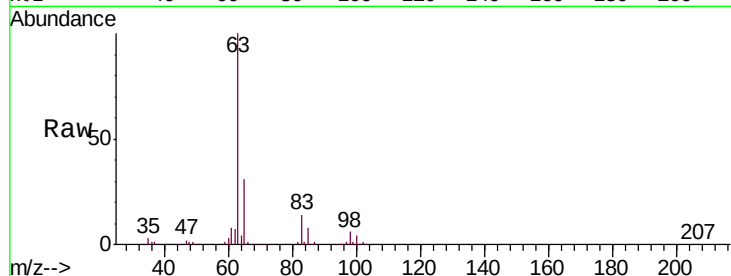




#19
 1,1-Dichloroethane
 Concen: 23.314 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

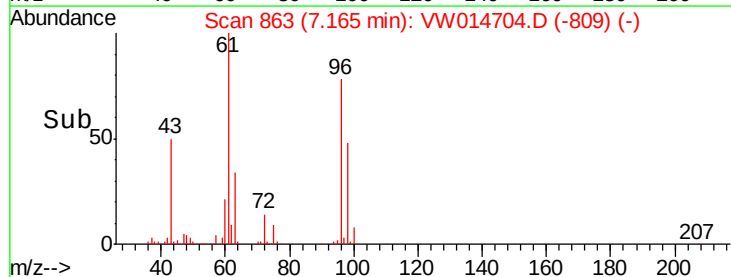
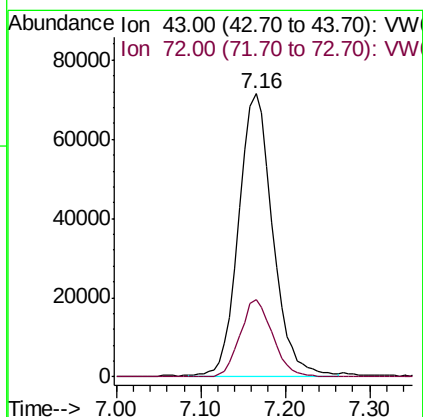
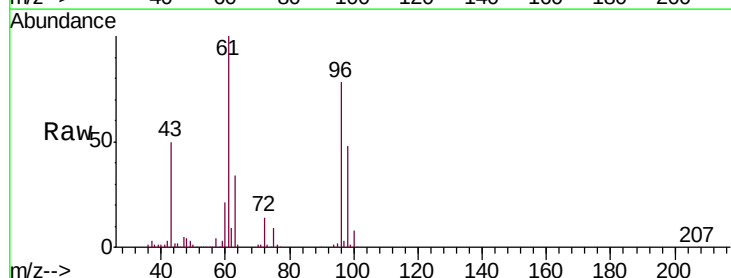
Instrument :
 MSVOA_W
 ClientSampled :
 BFB21

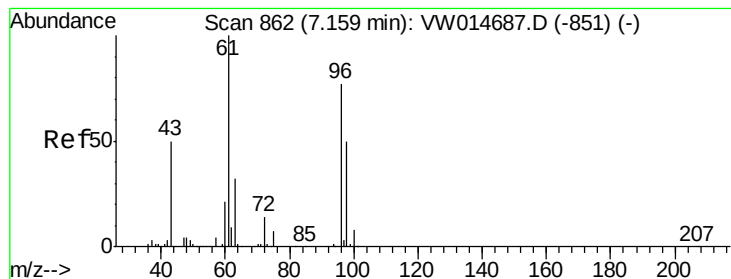
Tgt Ion: 63 Resp: 500970
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.7 40.3
 83 13.8 9.0 16.8



#21
 2-Butanone
 Concen: 44.625 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Tgt Ion: 43 Resp: 196105
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.3 39.8





#22

cis-1,2-Dichloroethene

Concen: 23.213 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

BFB21

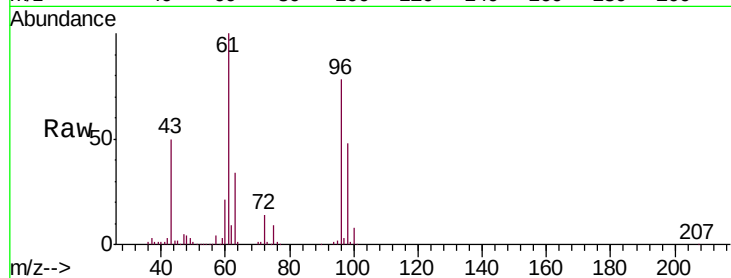
Tgt Ion: 96 Resp: 290441

Ion Ratio Lower Upper

96 100

61 129.0 91.5 169.9

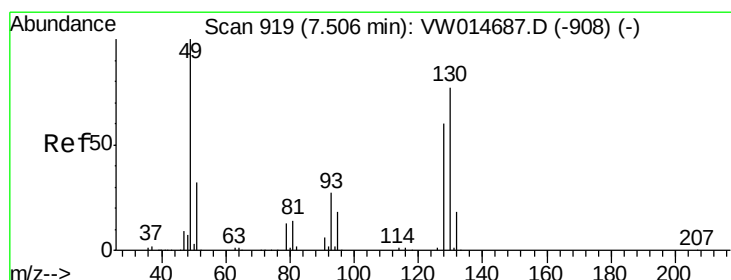
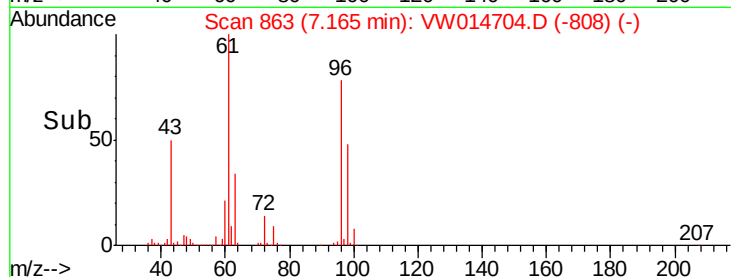
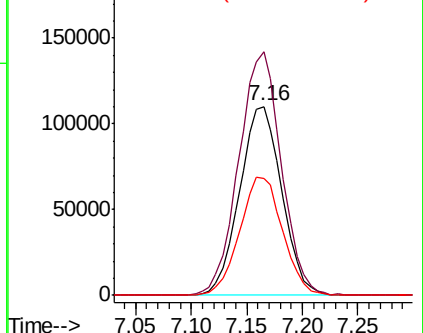
98 62.1 46.9 87.1



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



#23

Bromochloromethane

Concen: 22.402 ug/L

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Tgt Ion: 128 Resp: 121342

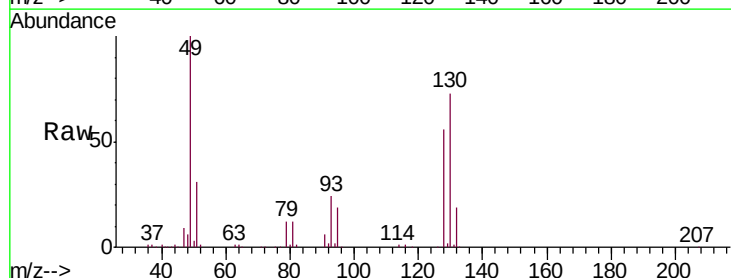
Ion Ratio Lower Upper

128 100

49 177.8 118.3 219.7

130 130.2 89.5 166.1

51 55.2 42.1 63.1

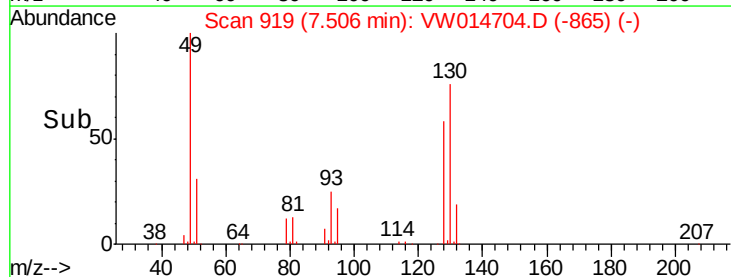
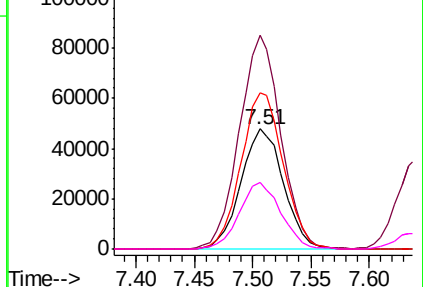


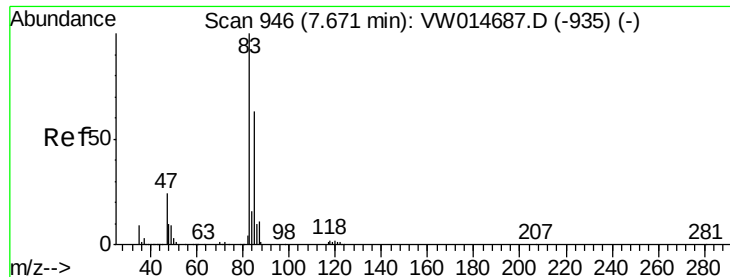
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 22.909 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

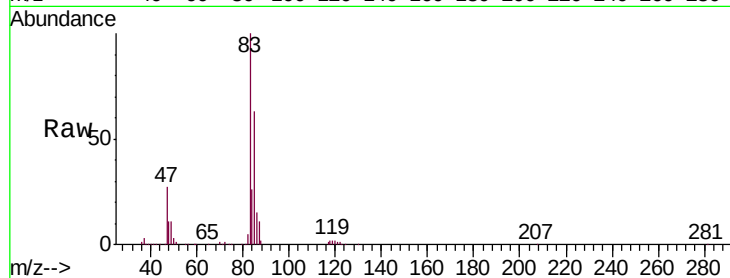
BFB21

Tgt Ion: 83 Resp: 470834

Ion Ratio Lower Upper

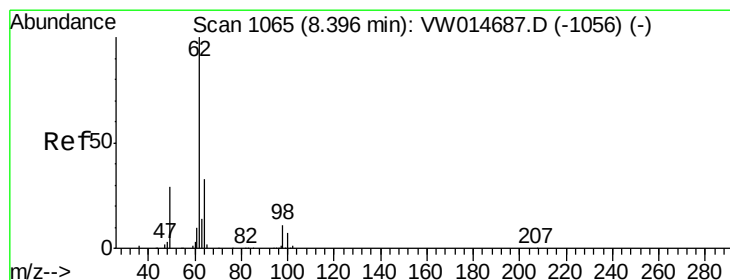
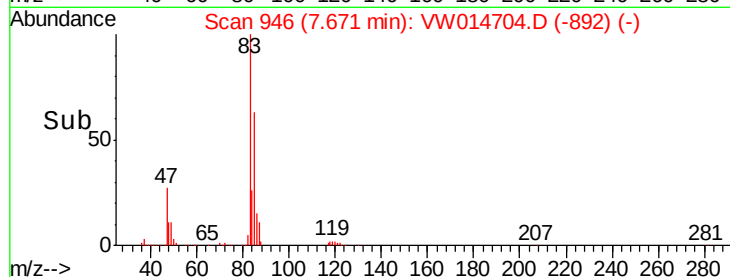
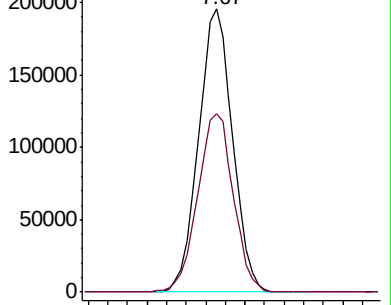
83 100

85 66.1 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 21.765 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014704.D

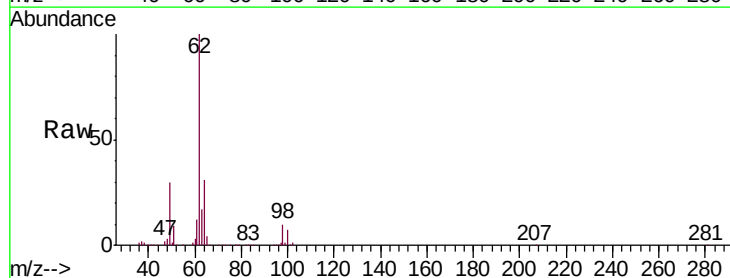
Acq: 21 Jan 2020 09:28

Tgt Ion: 62 Resp: 290387

Ion Ratio Lower Upper

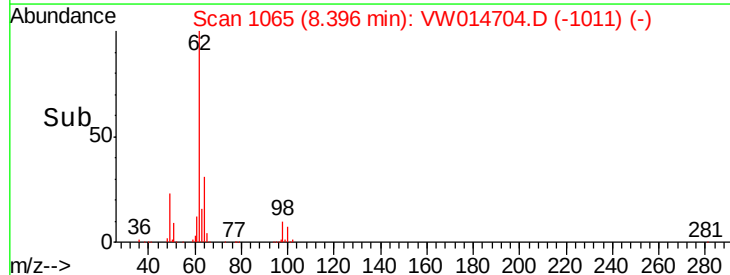
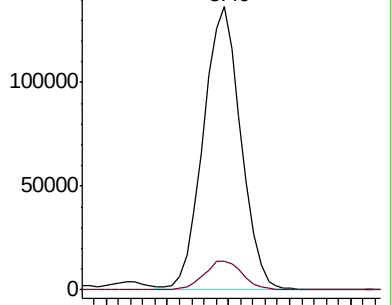
62 100

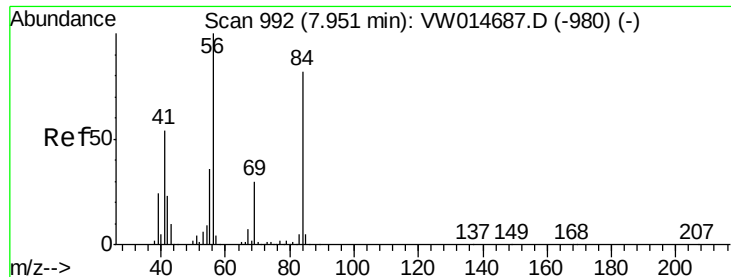
98 10.2 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

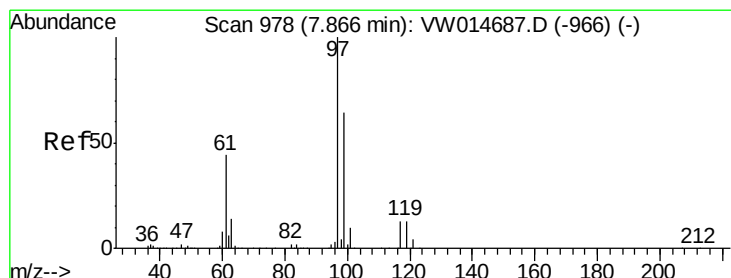
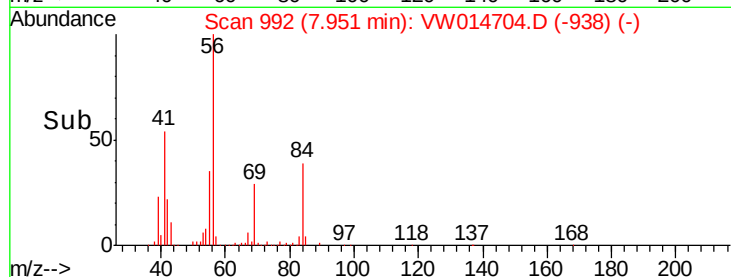
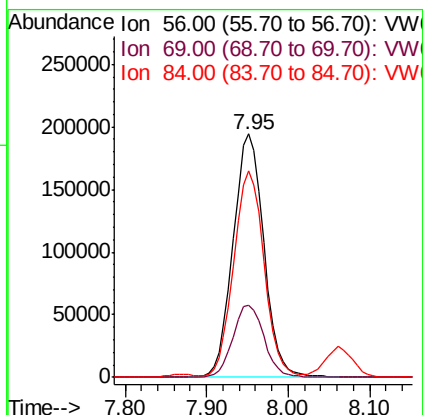
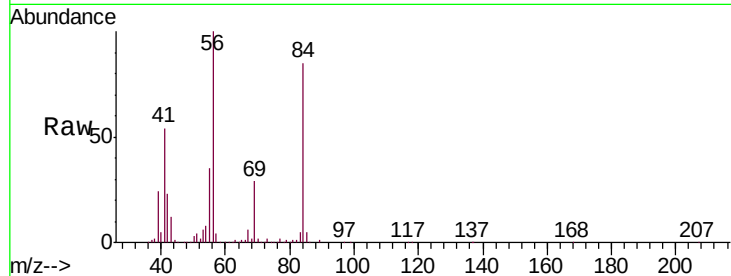




#30
Cyclohexane
Concen: 25.705 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

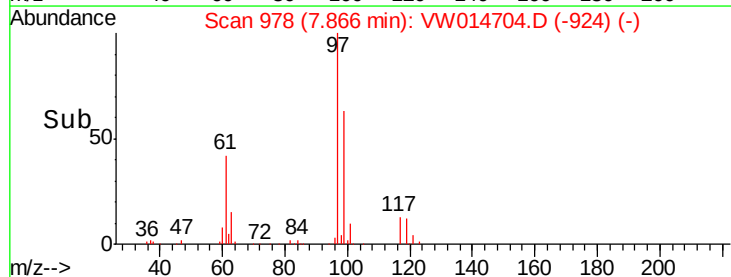
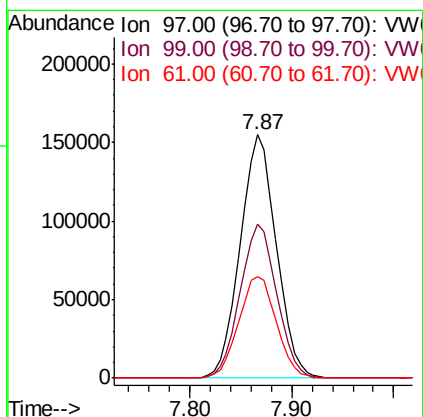
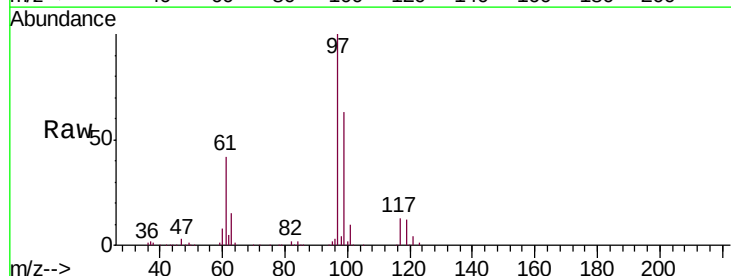
Instrument :
MSVOA_W
ClientSampleId :
BFB21

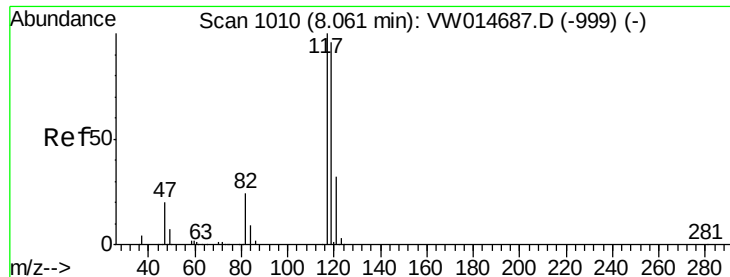
Tgt Ion: 56 Resp: 506578
Ion Ratio Lower Upper
56 100
69 30.1 23.8 35.8
84 84.4 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 24.196 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

Tgt Ion: 97 Resp: 382394
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 43.5 35.3 52.9





#32

Carbon tetrachloride

Concen: 24.259 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

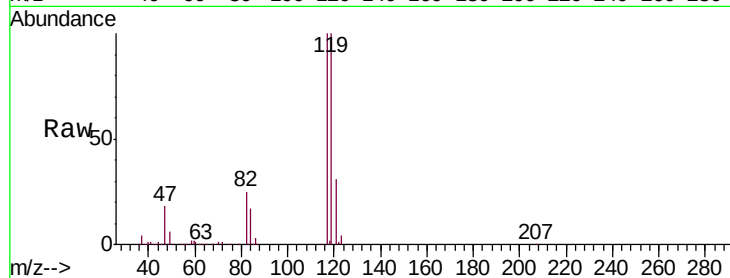
BFB21

Tgt Ion:117 Resp: 357203

Ion Ratio Lower Upper

117 100

119 96.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

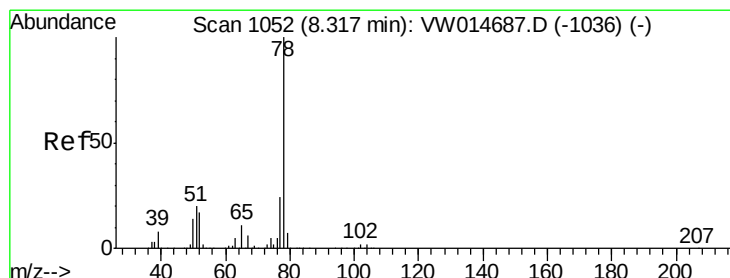
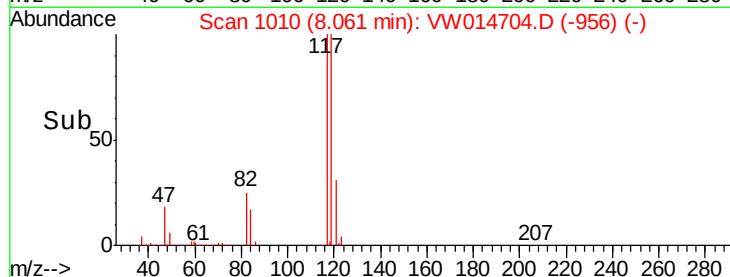
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.111 ug/L

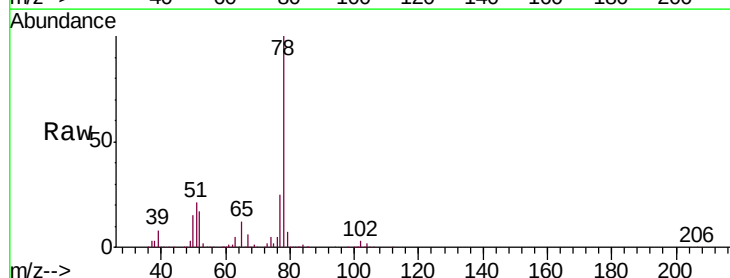
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Tgt Ion: 78 Resp: 1117839



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

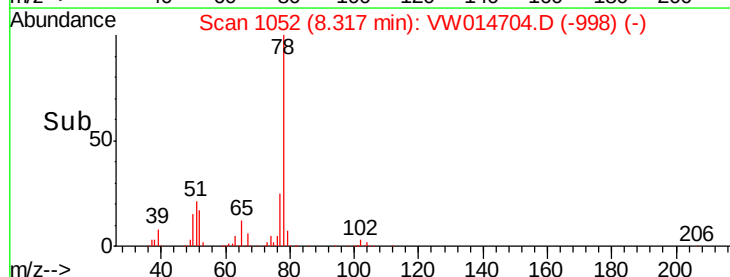
300000

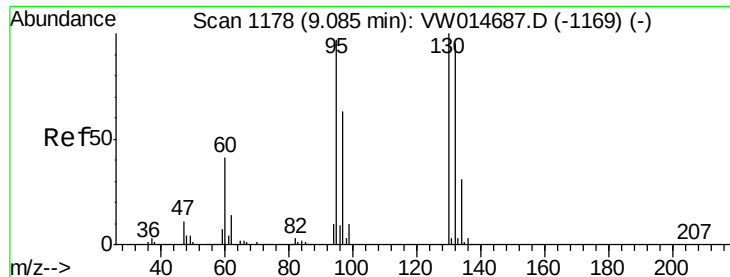
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 23.823 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

BFB21

Tgt Ion: 95 Resp: 285053

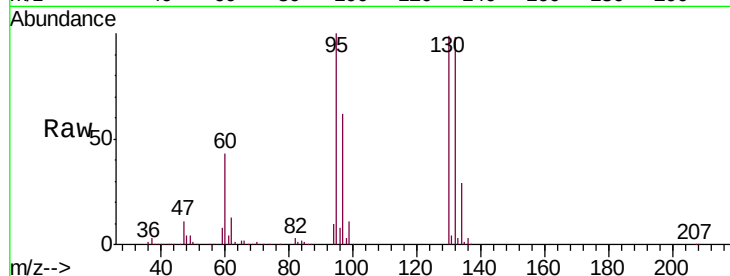
Ion Ratio Lower Upper

95 100

97 63.6 44.3 82.3

132 100.2 69.2 128.6

130 103.3 72.3 134.3

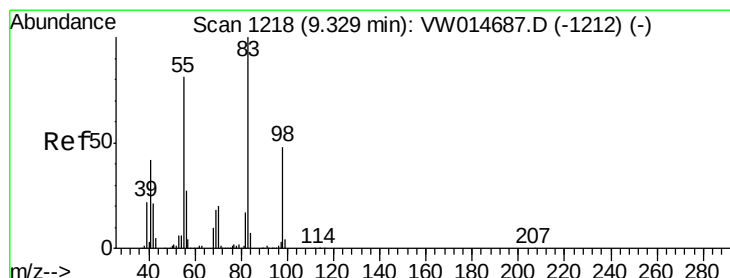
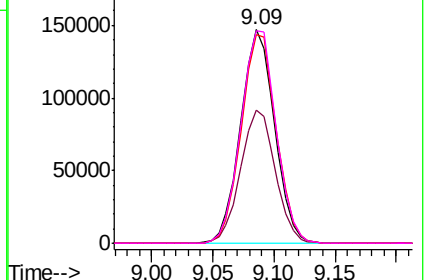
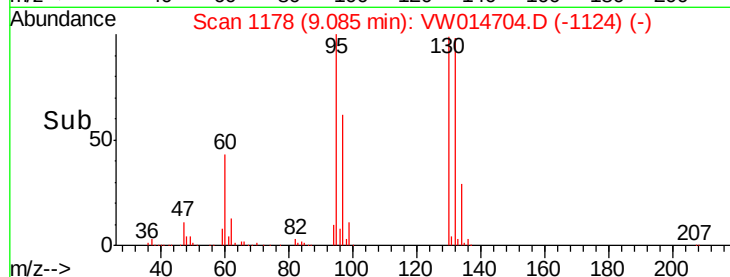


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 25.108 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

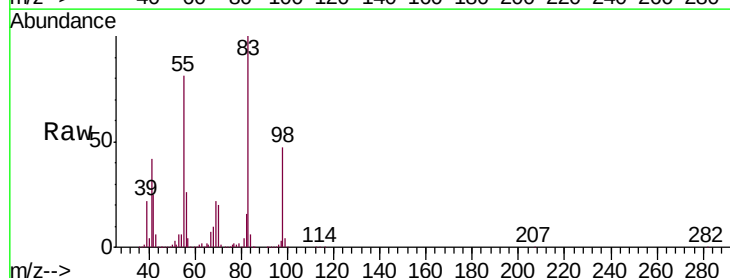
Tgt Ion: 83 Resp: 527069

Ion Ratio Lower Upper

83 100

55 79.4 63.7 95.5

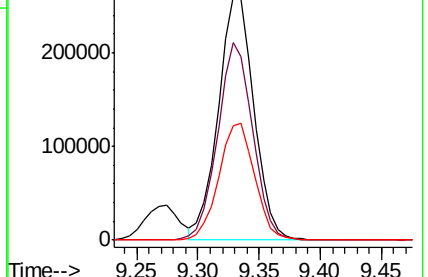
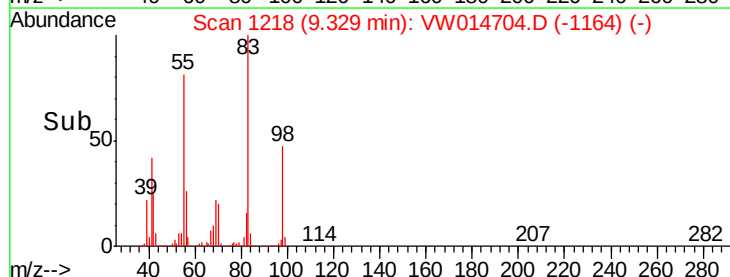
98 48.3 39.4 59.2

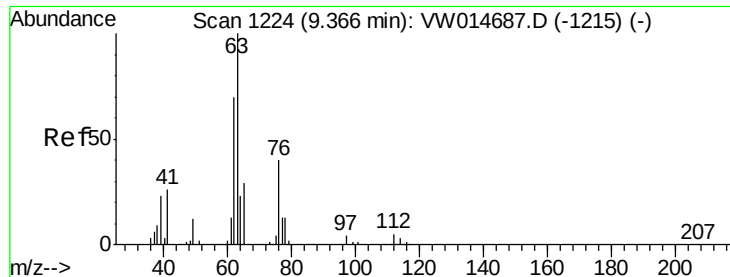


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.843 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

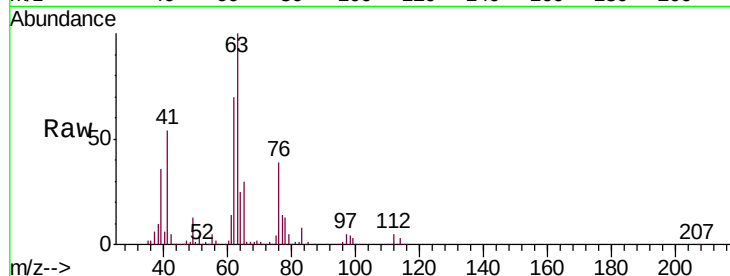
BFB21

Tgt Ion: 63 Resp: 279794

Ion Ratio Lower Upper

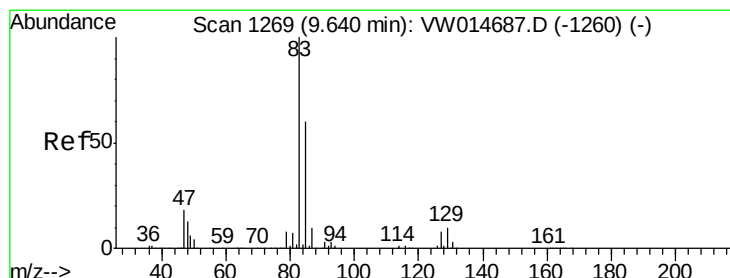
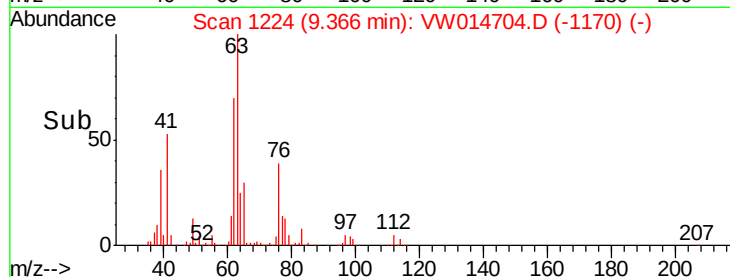
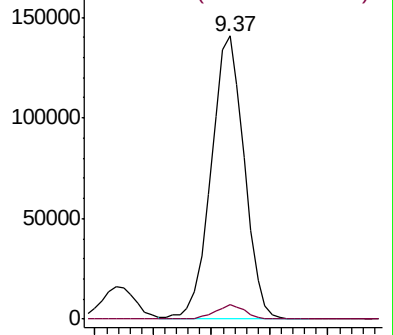
63 100

112 4.7 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 22.975 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

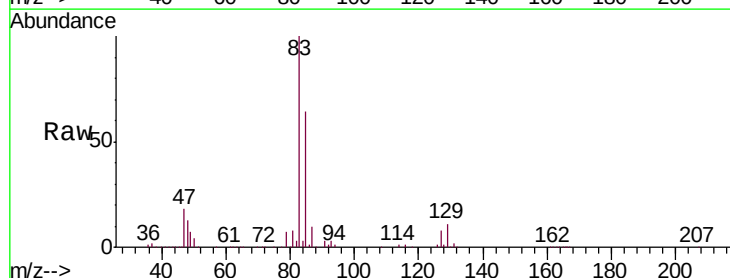
Tgt Ion: 83 Resp: 324300

Ion Ratio Lower Upper

83 100

85 64.1 44.7 83.1

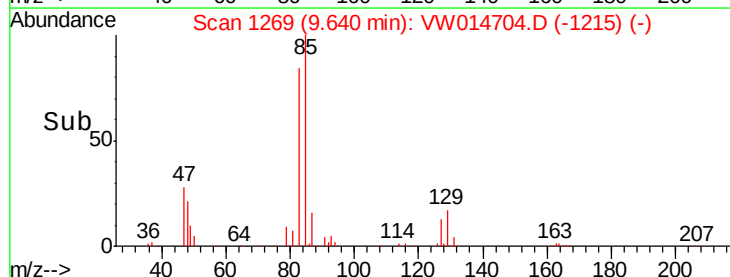
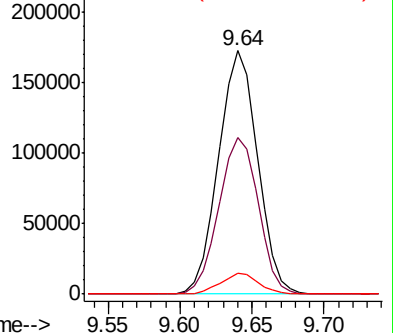
127 8.5 6.3 9.5

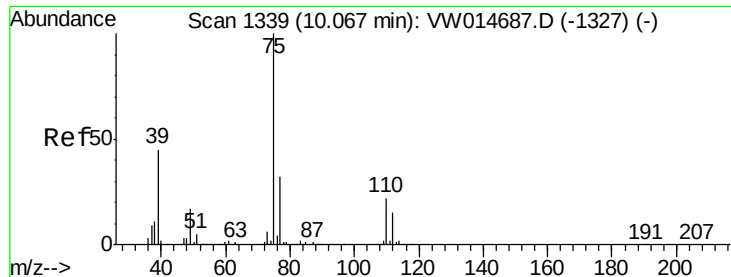


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.754 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

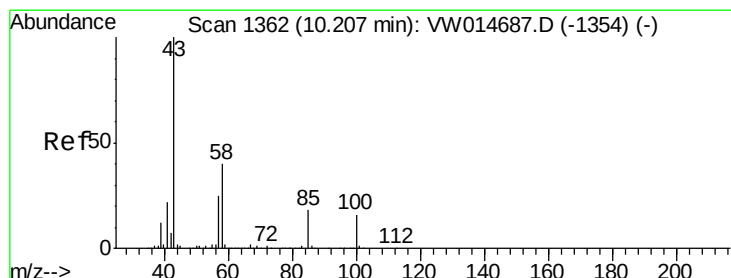
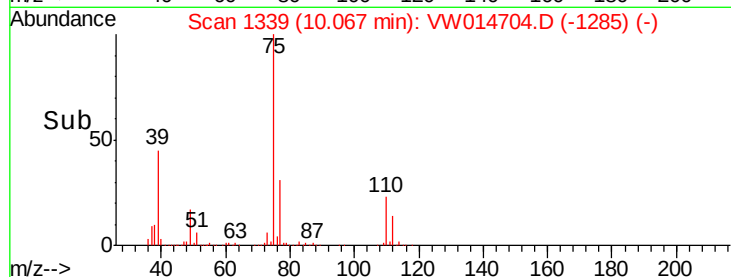
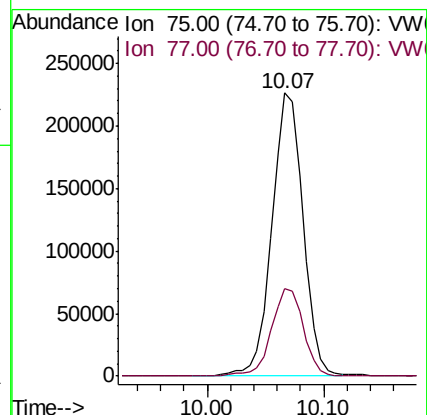
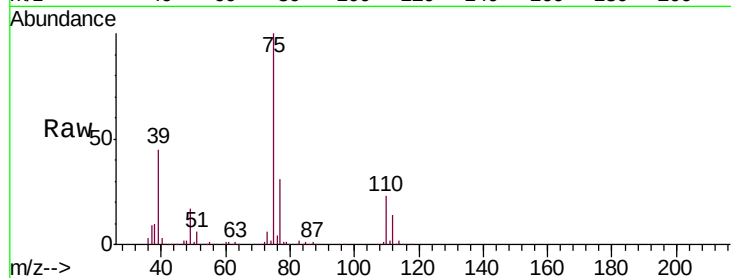
BFB21

Tgt Ion: 75 Resp: 416394

Ion Ratio Lower Upper

75 100

77 30.9 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 45.383 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

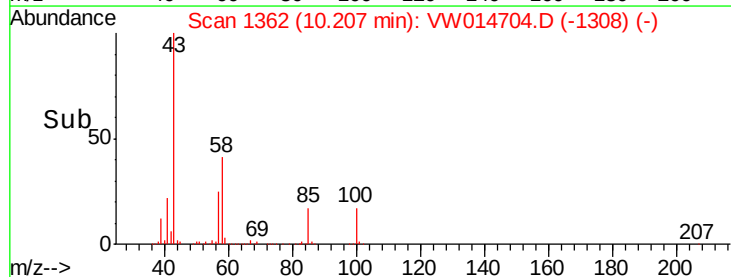
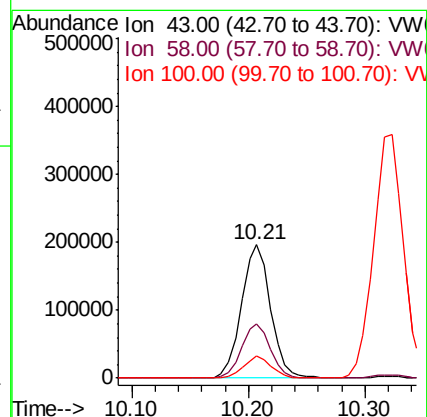
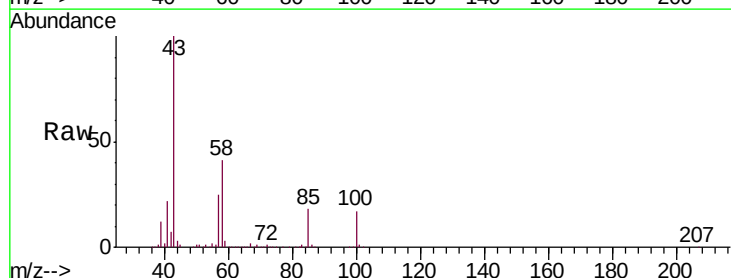
Tgt Ion: 43 Resp: 341874

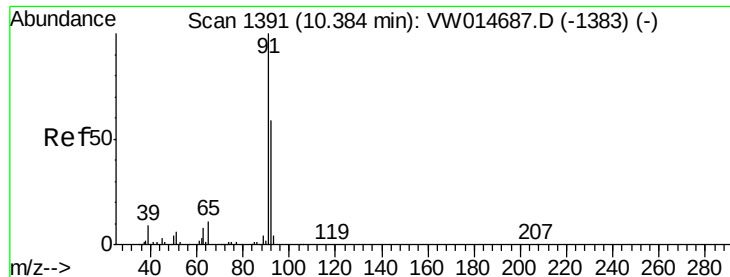
Ion Ratio Lower Upper

43 100

58 40.4 32.6 48.8

100 15.5 12.6 19.0





#44

Toluene

Concen: 24.334 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

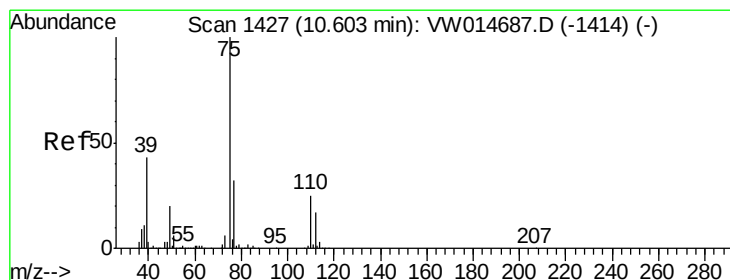
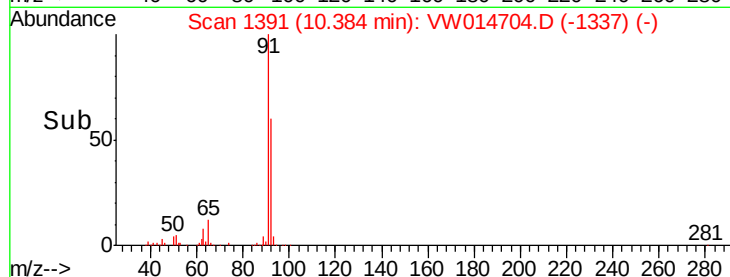
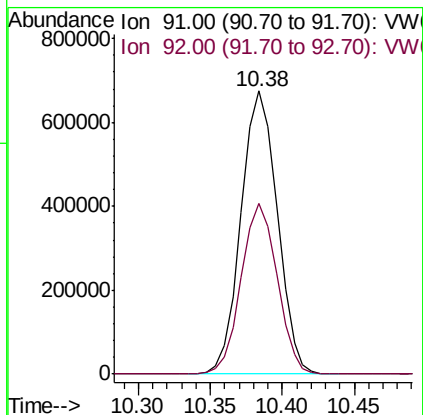
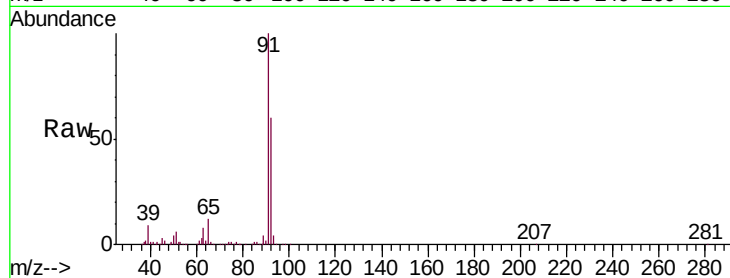
BFB21

Tgt Ion: 91 Resp: 1178977

Ion Ratio Lower Upper

91 100

92 60.5 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 23.450 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014704.D

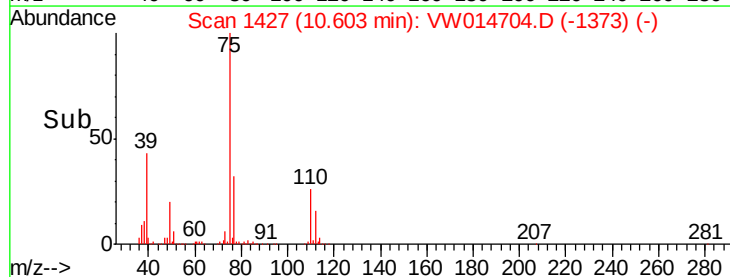
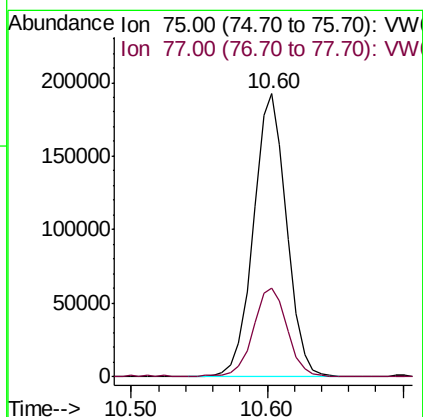
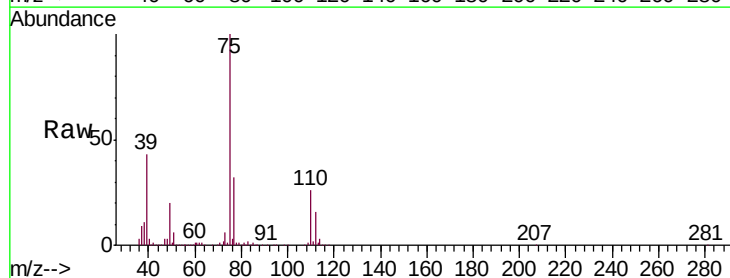
Acq: 21 Jan 2020 09:28

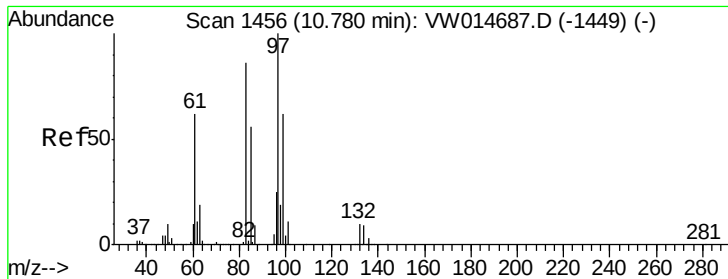
Tgt Ion: 75 Resp: 328680

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 23.091 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

BFB21

Tgt Ion: 97 Resp: 191927

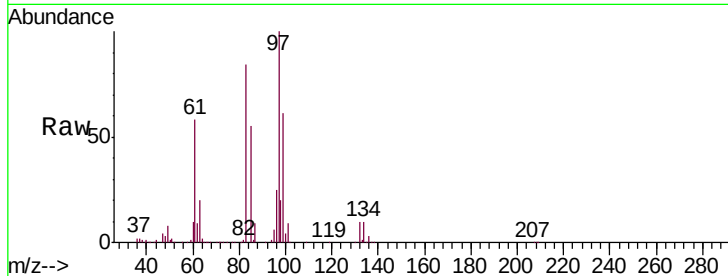
Ion Ratio Lower Upper

97 100

83 84.0 60.1 111.5

85 54.7 38.1 70.9

99 61.5 43.4 80.6

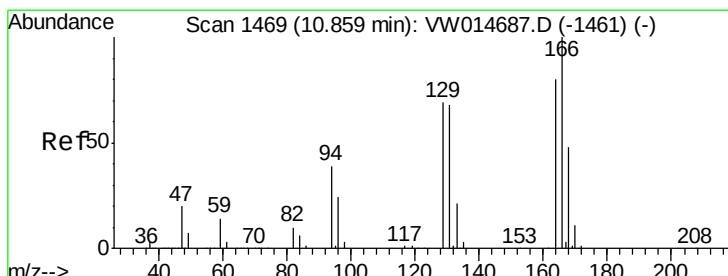
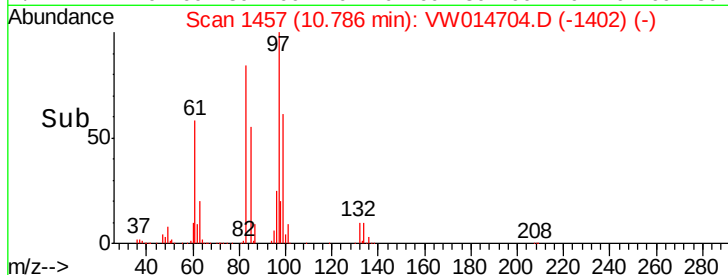
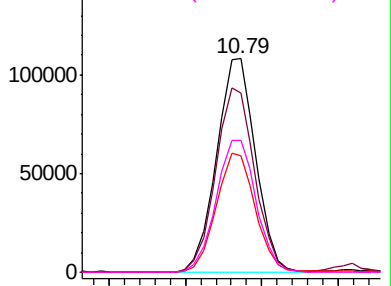


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.798 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Tgt Ion: 164 Resp: 239104

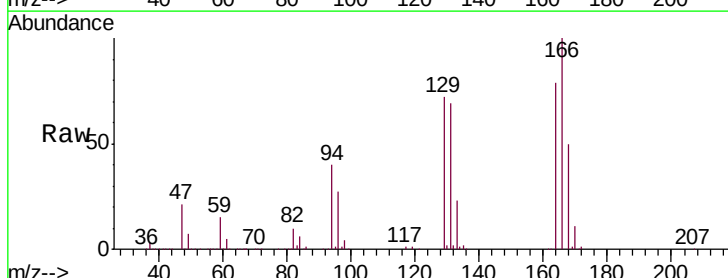
Ion Ratio Lower Upper

164 100

129 91.0 64.0 118.8

131 87.3 60.2 111.8

166 126.3 88.2 163.8

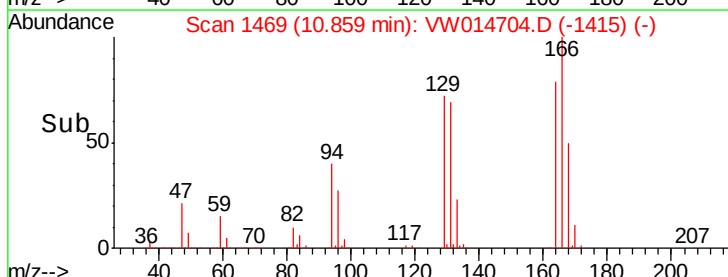
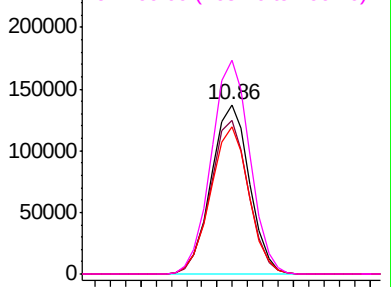


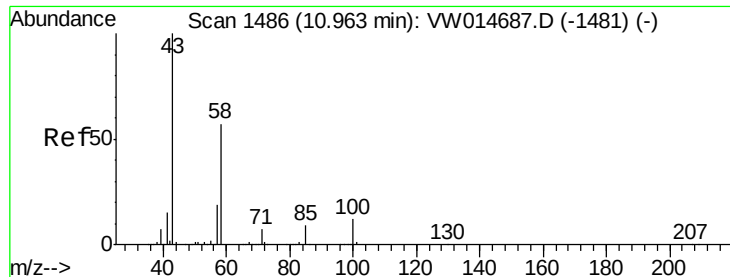
Abundance Ion 164.00 (163.70 to 164.70): V

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

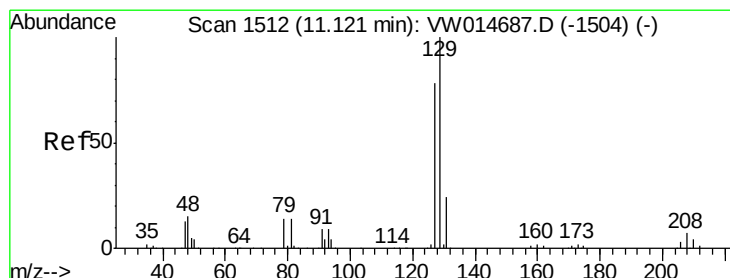
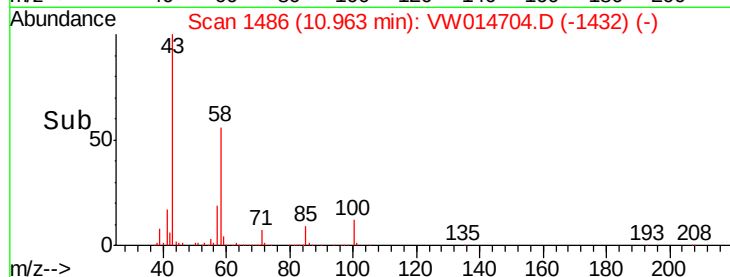
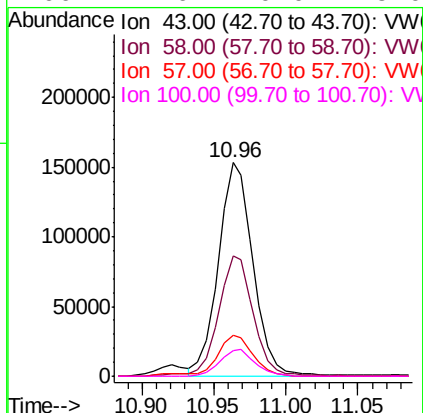
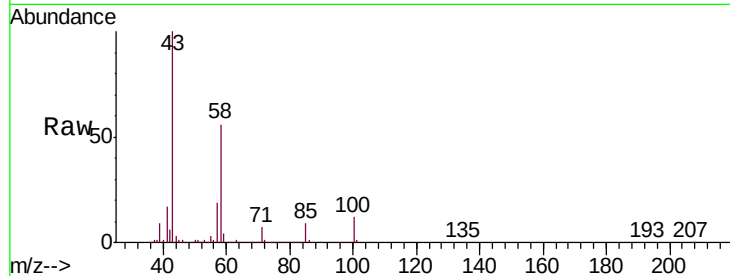




#49
2-Hexanone
Concen: 50.123 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

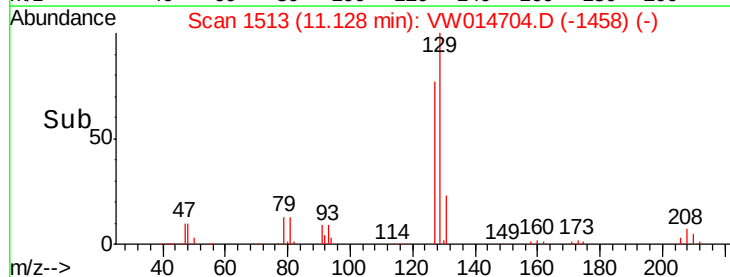
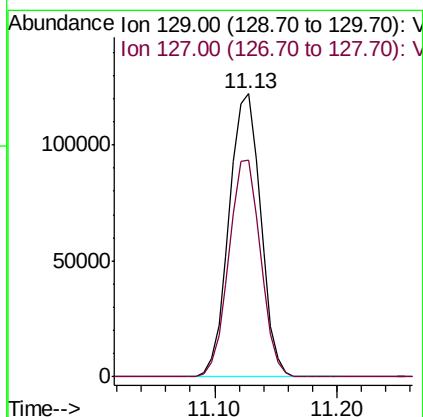
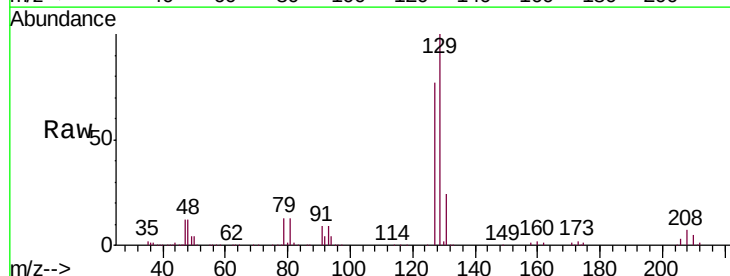
Instrument :
MSVOA_W
ClientSampleId :
BFB21

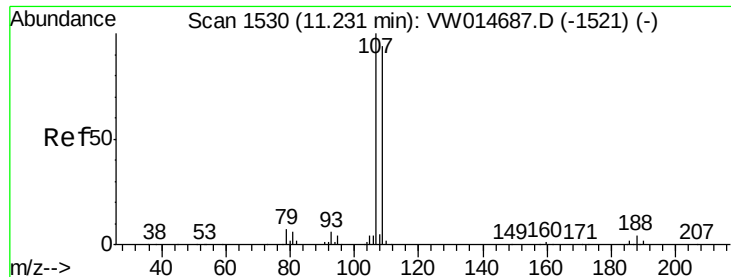
Tgt Ion: 43 Resp: 257835
Ion Ratio Lower Upper
43 100
58 56.8 44.9 67.3
57 19.2 15.3 22.9
100 12.6 10.0 15.0



#50
Dibromochloromethane
Concen: 23.198 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

Tgt Ion: 129 Resp: 218944
Ion Ratio Lower Upper
129 100
127 76.8 51.1 94.9

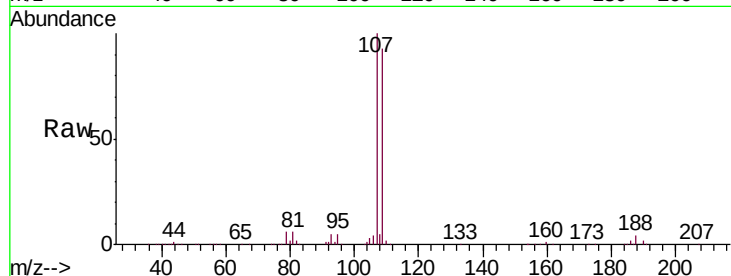




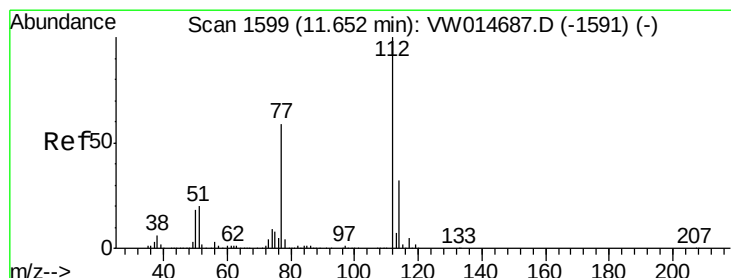
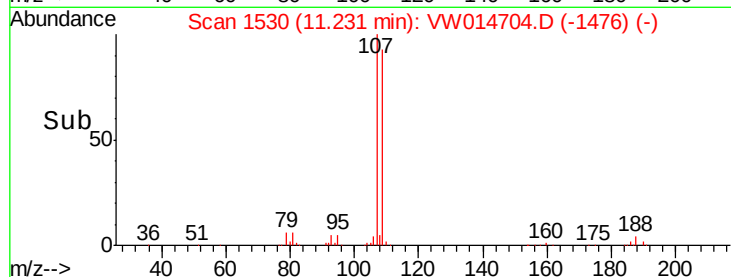
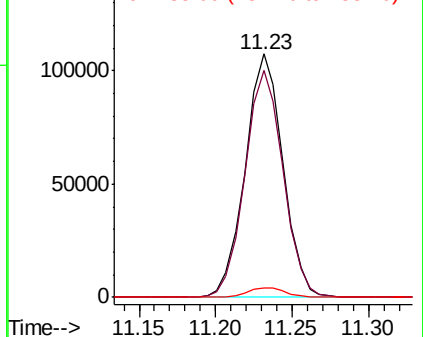
#51
 1,2-Dibromoethane
 Concen: 23.541 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Instrument :
 MSVOA_W
 ClientSampleID :
 BFB21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	64.7	120.1
188	3.6	3.0	4.6

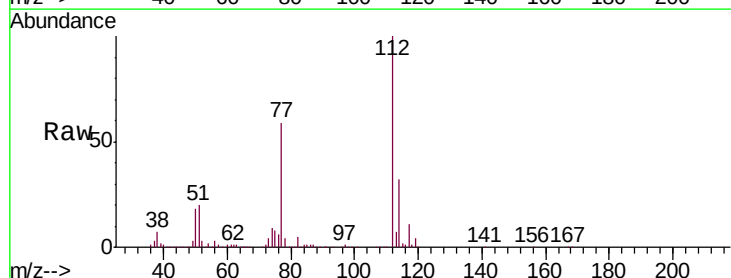


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

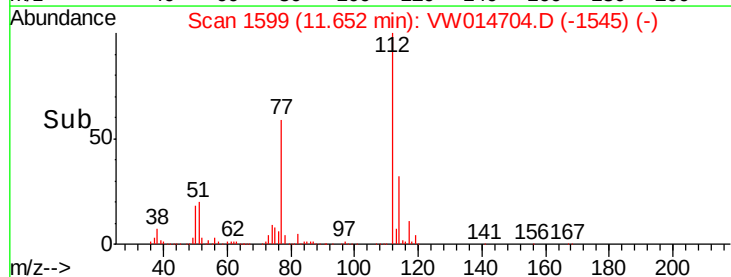
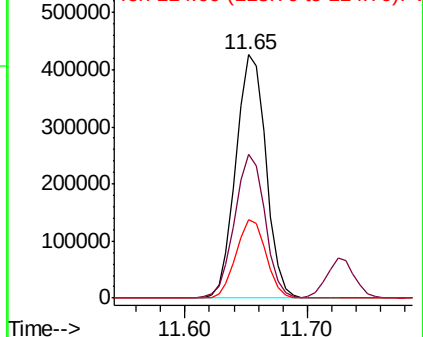


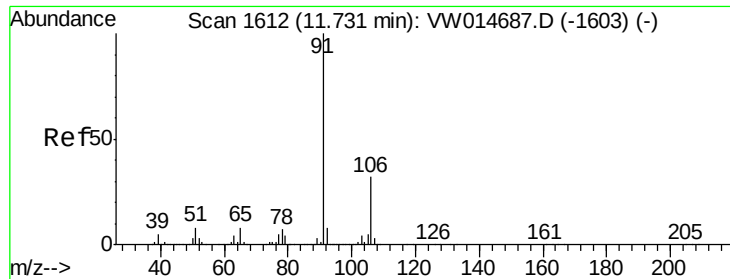
#52
 Chlorobenzene
 Concen: 23.730 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.3	48.2	72.2
114	32.3	22.9	42.5



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V

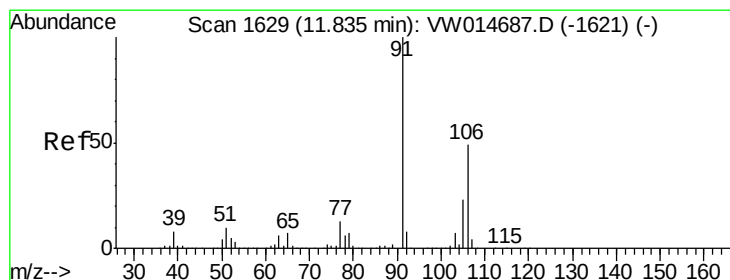
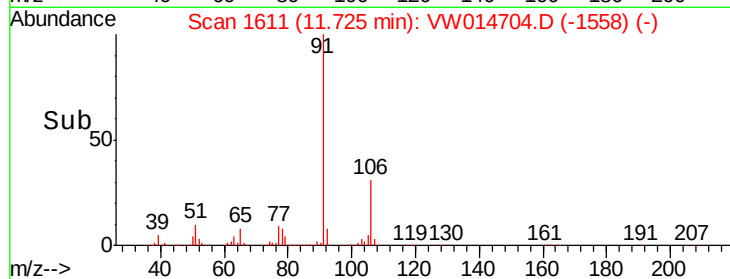
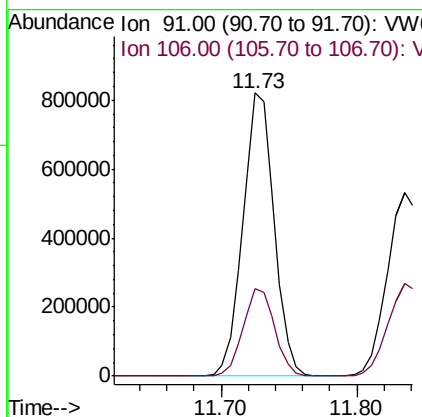
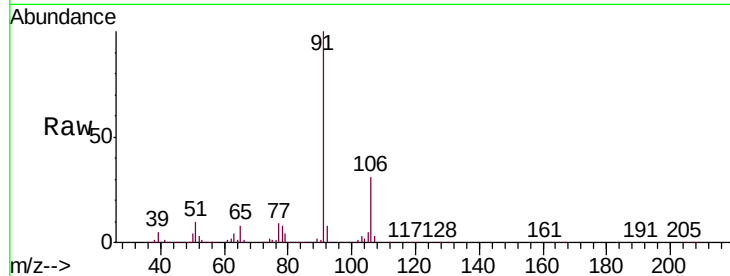




#53
Ethylbenzene
Concen: 24.735 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

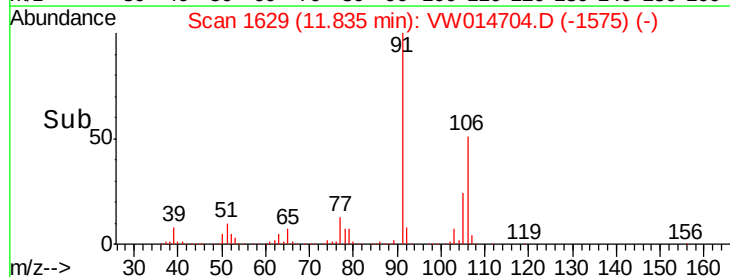
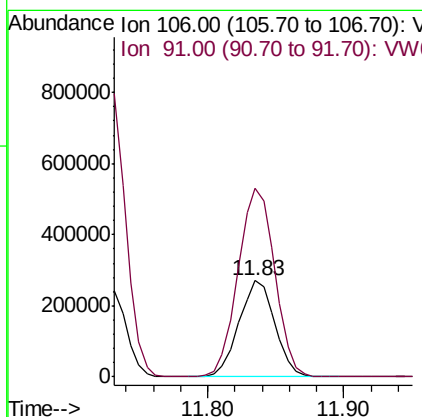
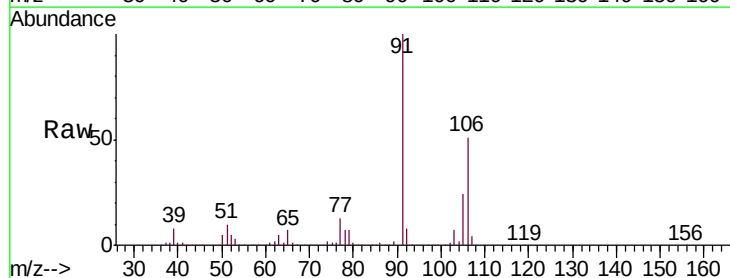
Instrument :
MSVOA_W
ClientSampled :
BFB21

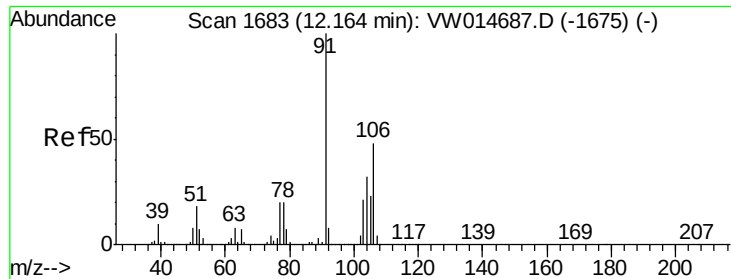
Tgt Ion: 91 Resp: 1317661
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.6



#54
m,p-Xylene
Concen: 24.728 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014704.D
Acq: 21 Jan 2020 09:28

Tgt Ion: 106 Resp: 498494
Ion Ratio Lower Upper
106 100
91 196.7 142.2 264.0





#55

o-xylene

Concen: 24.508 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

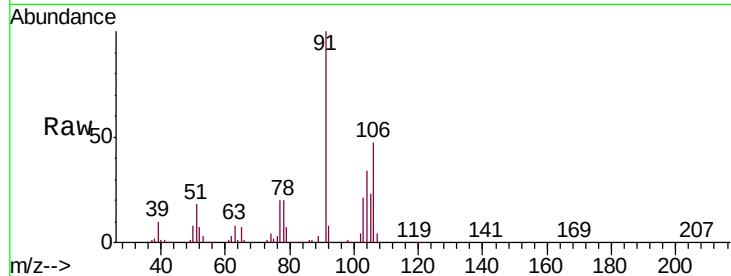
BFB21

Tgt Ion:106 Resp: 466656

Ion Ratio Lower Upper

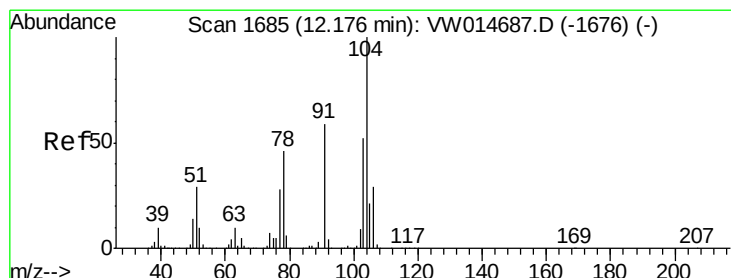
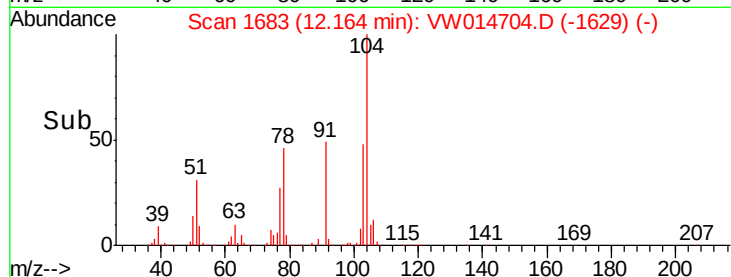
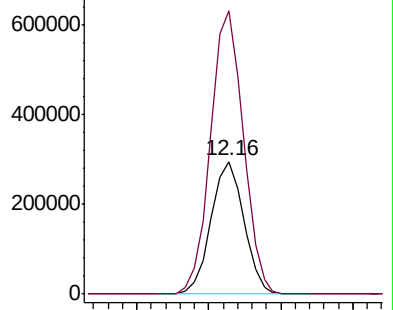
106 100

91 213.5 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.508 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014704.D

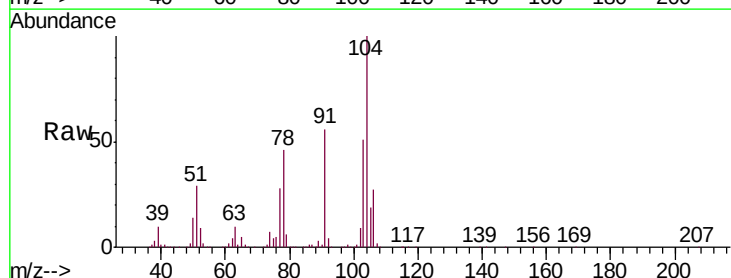
Acq: 21 Jan 2020 09:28

Tgt Ion:104 Resp: 785445

Ion Ratio Lower Upper

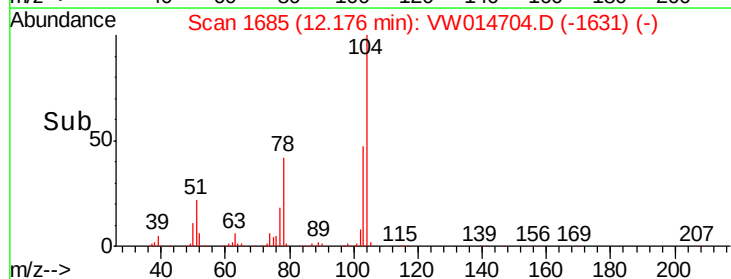
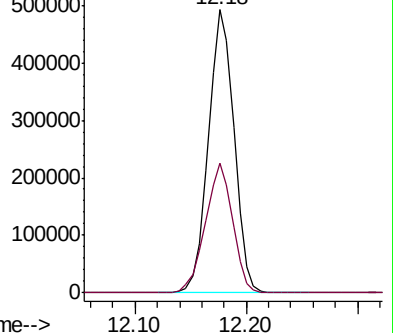
104 100

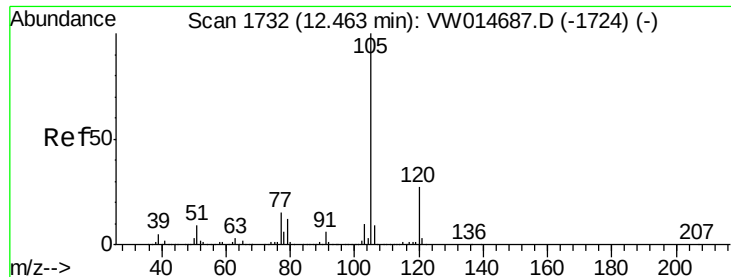
78 45.8 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.415 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

BFB21

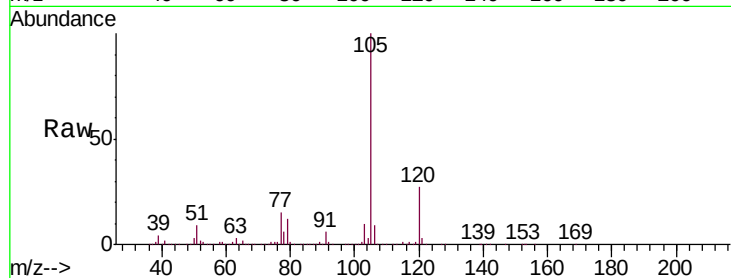
Tgt Ion: 105 Resp: 1287272

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

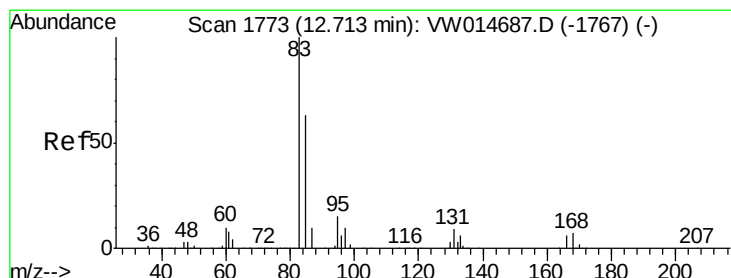
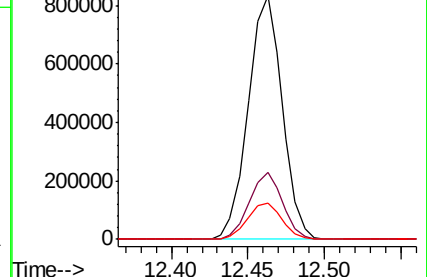
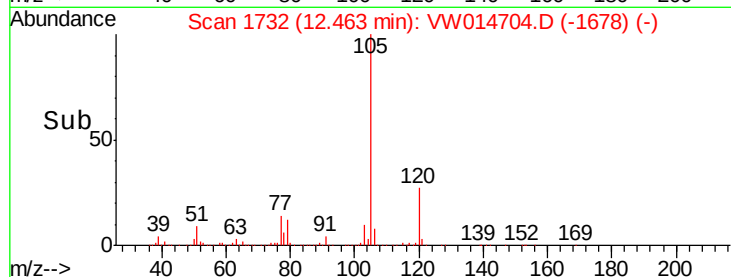
77 15.1 12.2 18.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 22.711 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

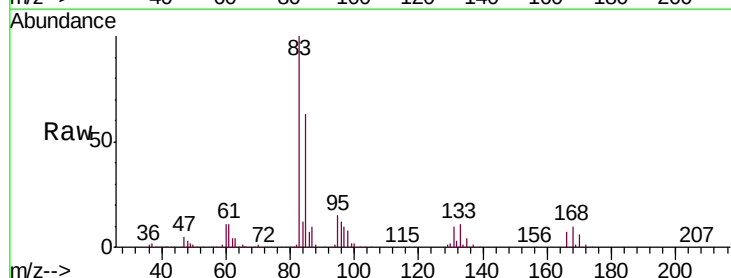
Tgt Ion: 83 Resp: 229195

Ion Ratio Lower Upper

83 100

85 63.2 45.3 84.1

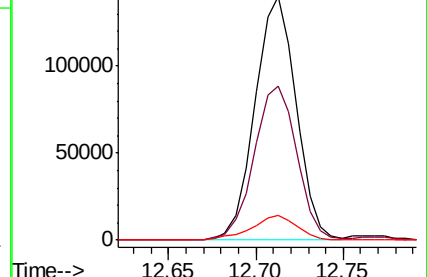
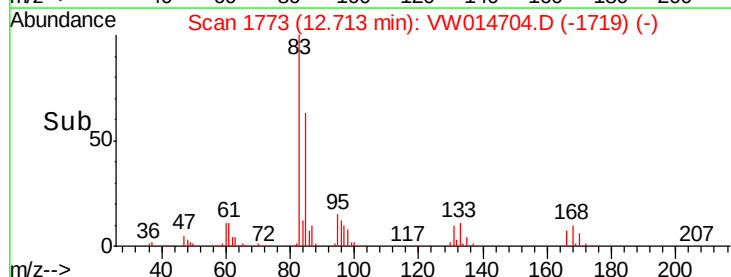
131 10.3 8.0 12.0

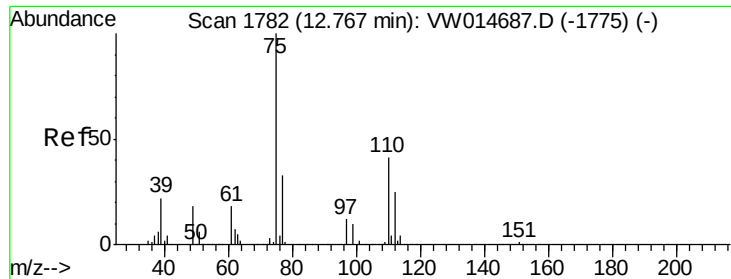


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

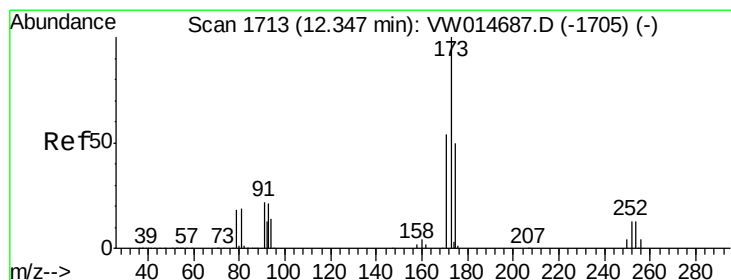
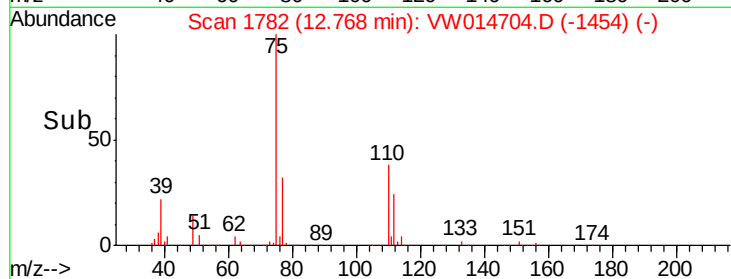
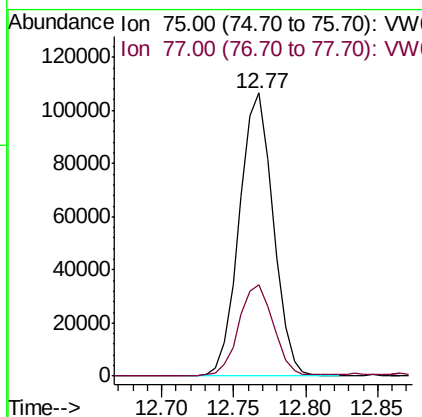
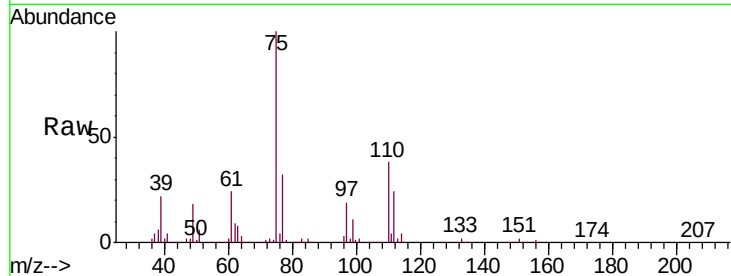




#59
 1,2,3-Trichloropropane
 Concen: 23.029 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

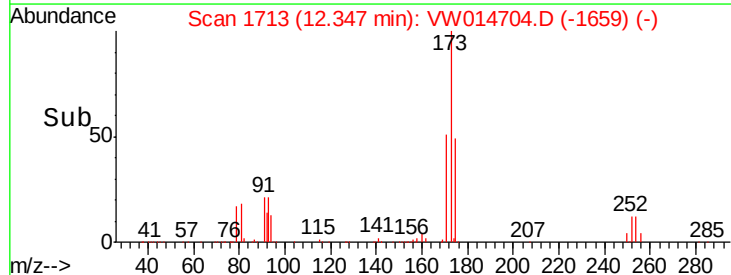
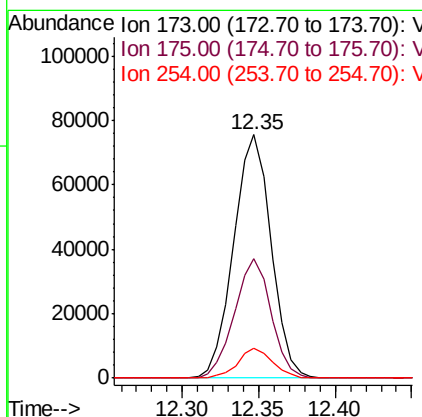
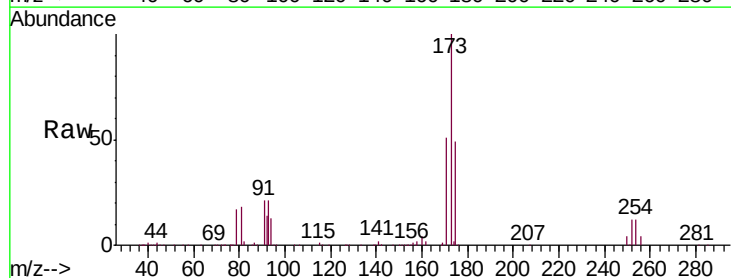
Instrument :
 MSVOA_W
 ClientSampled :
 BFB21

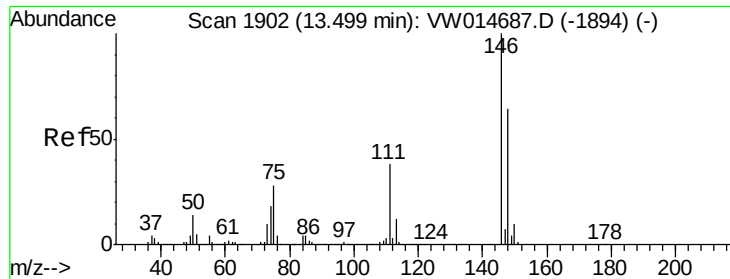
Tgt Ion: 75 Resp: 174101
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.2 39.2



#62
 Bromoform
 Concen: 22.937 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Tgt Ion: 173 Resp: 128111
 Ion Ratio Lower Upper
 173 100
 175 48.0 40.5 60.7
 254 11.5 9.3 13.9

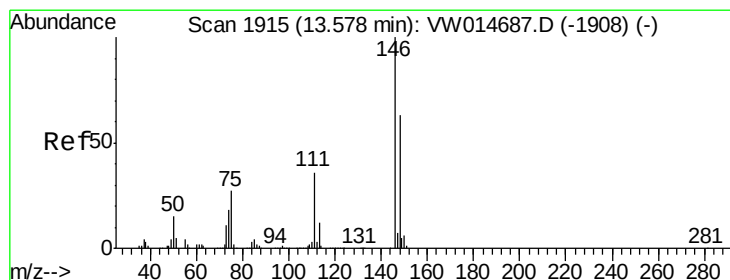
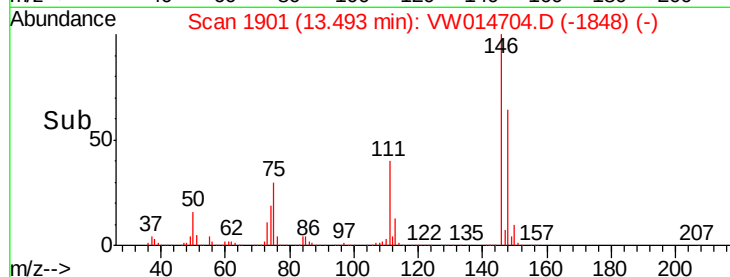
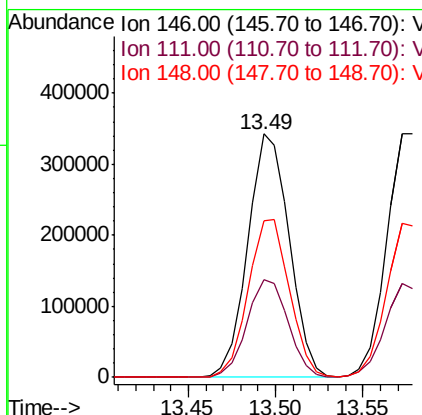
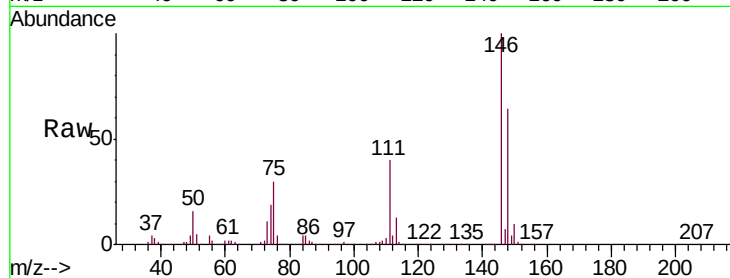




#63
 1,3-Dichlorobenzene
 Concen: 23.864 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

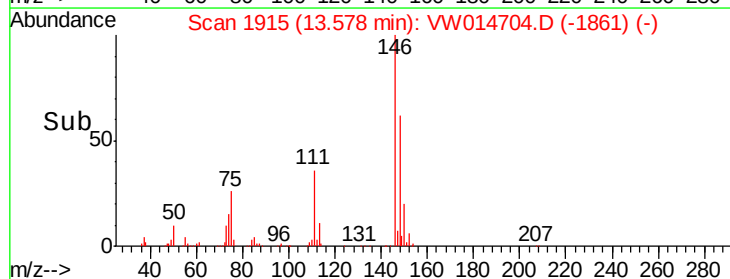
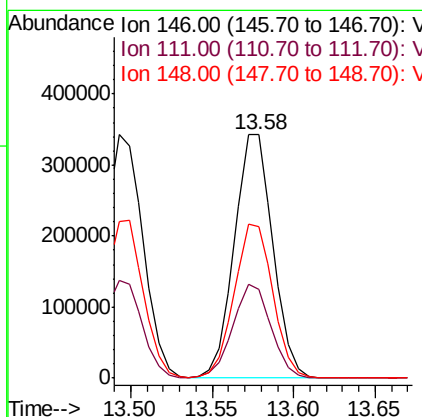
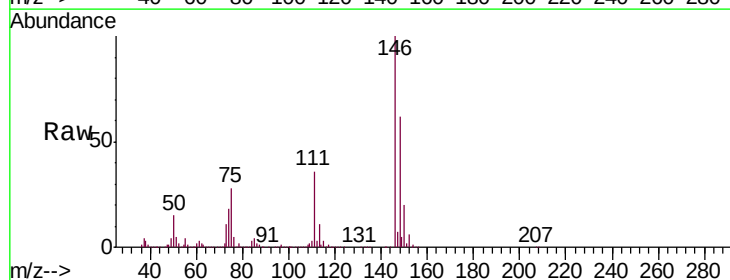
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

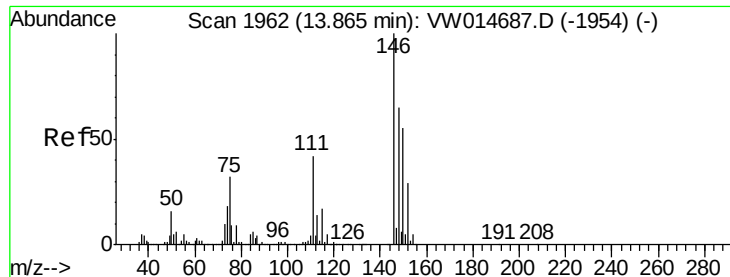
Tgt Ion:146 Resp: 564709
 Ion Ratio Lower Upper
 146 100
 111 40.0 26.9 50.1
 148 64.4 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 23.653 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Tgt Ion:146 Resp: 564394
 Ion Ratio Lower Upper
 146 100
 111 36.2 24.5 45.5
 148 62.0 44.4 82.4

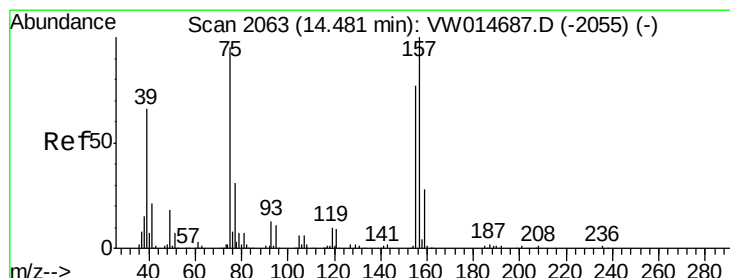
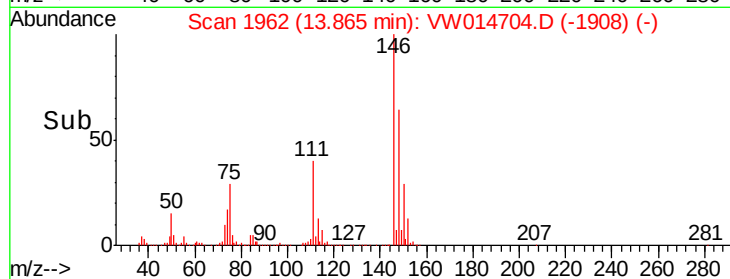
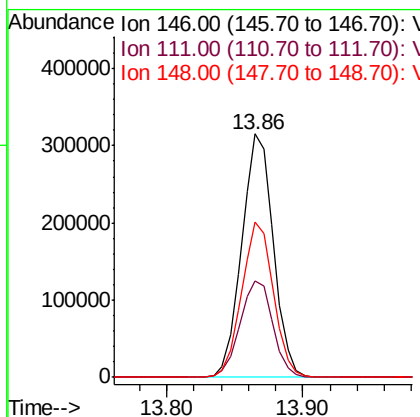
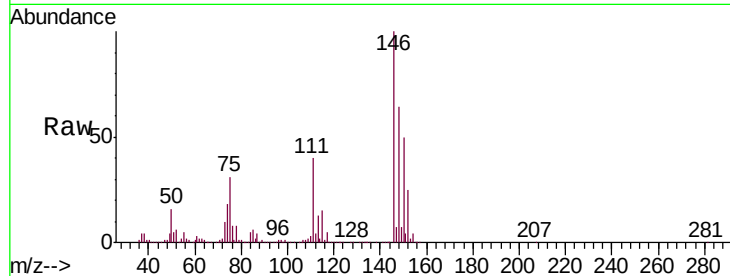




#65
 1,2-Dichlorobenzene
 Concen: 24.063 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

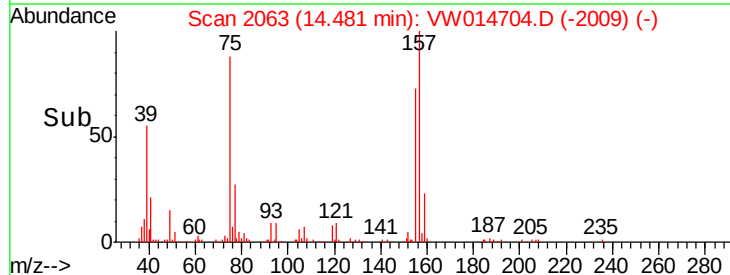
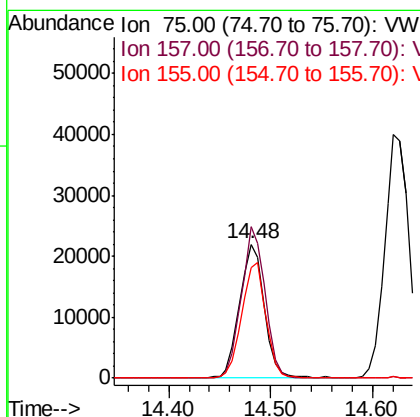
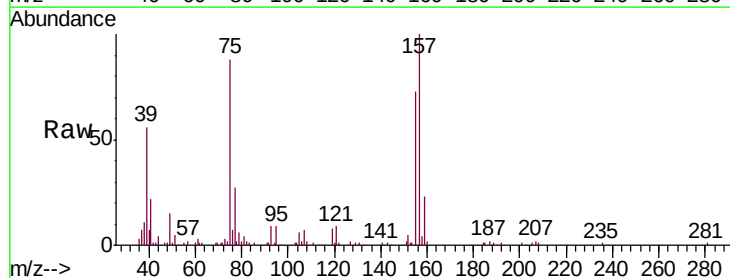
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

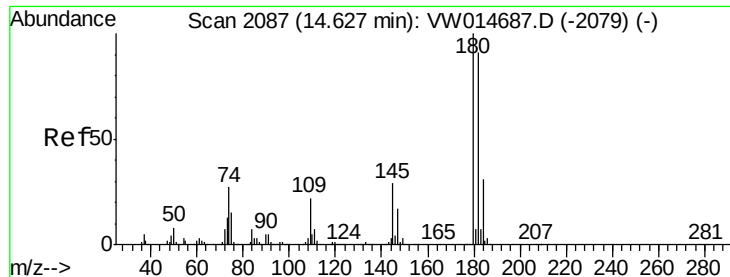
Tgt Ion: 146 Resp: 510449
 Ion Ratio Lower Upper
 146 100
 111 39.8 34.2 51.2
 148 63.7 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.313 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Tgt Ion: 75 Resp: 36622
 Ion Ratio Lower Upper
 75 100
 157 113.6 87.2 130.8
 155 82.8 67.8 101.8

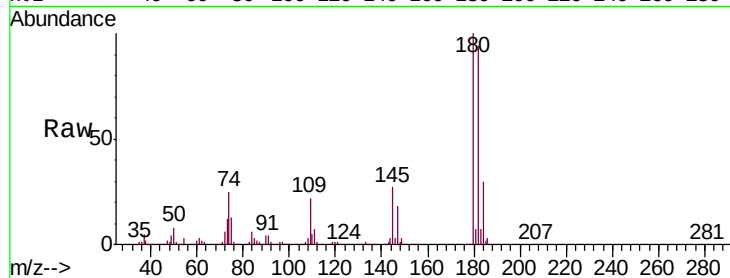




#67
 1,3,5-Trichlorobenzene
 Concen: 24.920 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

Tgt Ion:	180	Resp:	436842
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
184	30.8	24.0	36.0
145	28.2	22.6	33.8



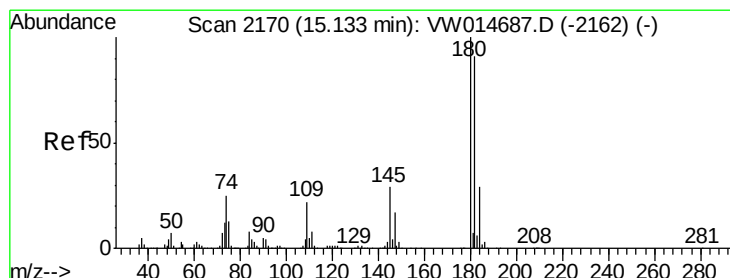
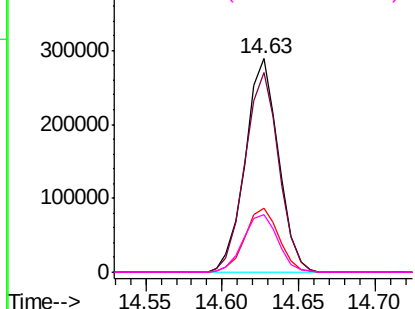
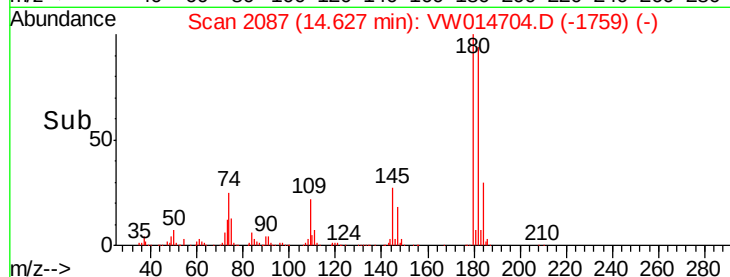
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

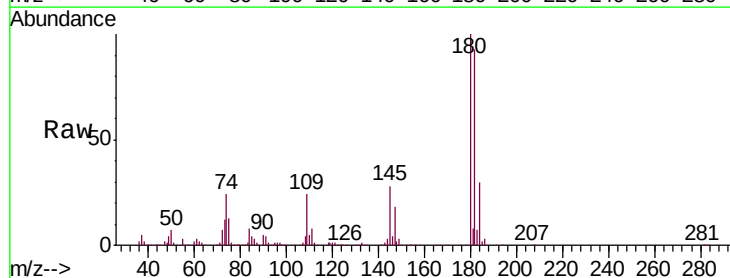
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.950 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014704.D
 Acq: 21 Jan 2020 09:28

Tgt Ion:	180	Resp:	354139
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	28.6	23.1	34.7

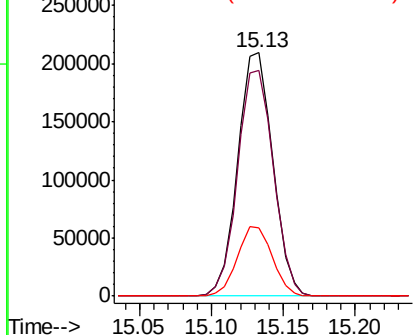
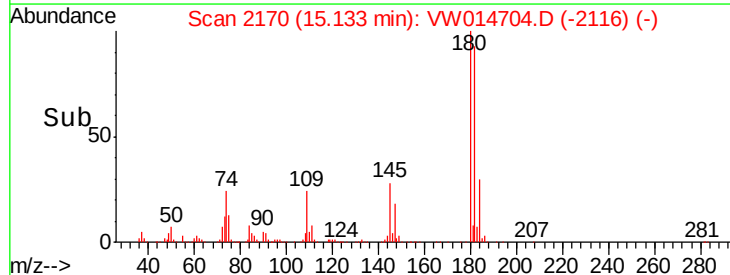


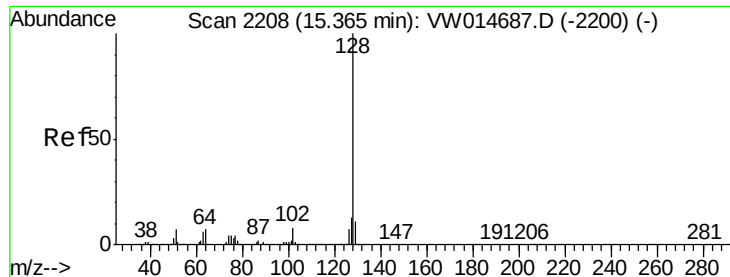
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.843 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

BFB21

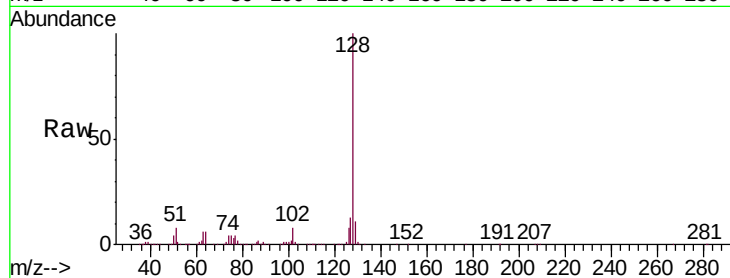
Tgt Ion:128 Resp: 699712

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

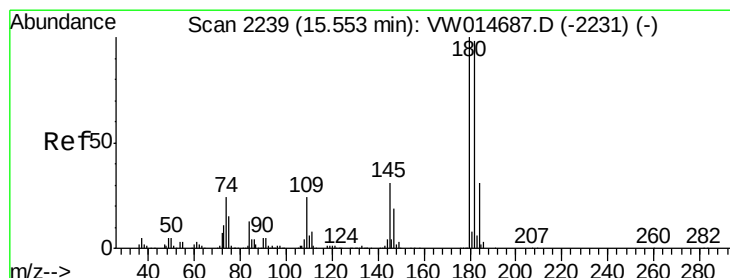
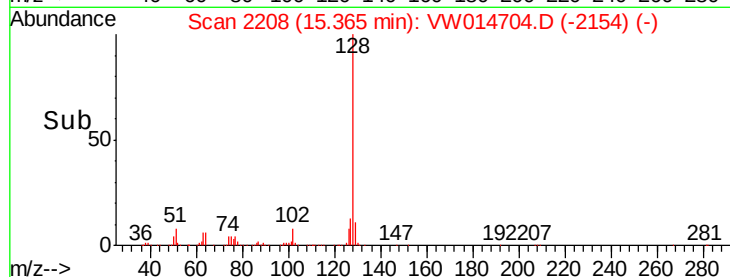
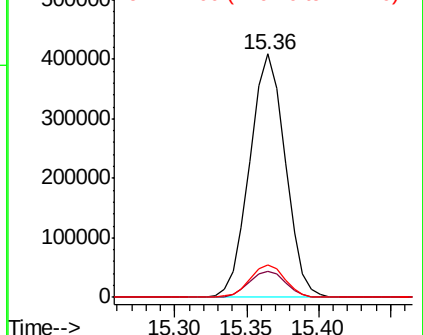
127 13.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.680 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014704.D

Acq: 21 Jan 2020 09:28

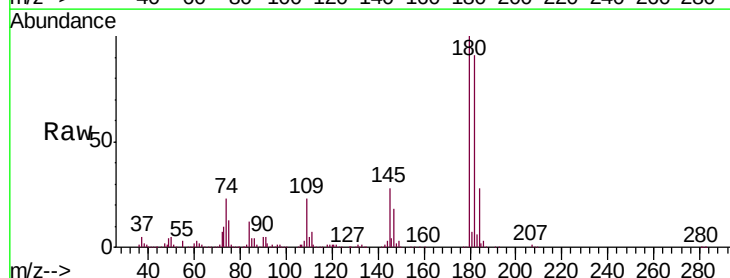
Tgt Ion:180 Resp: 317694

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

145 30.3 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

