

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
 Data File : VW016824.D
 Acq On : 07 Oct 2020 09:59
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

Quant Time: Oct 08 08:22:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 03:05:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	610181	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	541269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	276122	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	146341	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.24%
7) Chloroethane-d5	2.89	69	119753	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
10) 1,1-Dichloroethene-d2	4.03	63	301318	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.28%
20) 2-Butanone-d5	7.08	46	56273	41.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.54%
24) Chloroform-d	7.65	84	302400	23.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	8.31	65	140762	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.56%
29) Benzene-d6	8.27	84	597516	24.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.24%
33) 1,2-Dichloropropane-d6	9.27	67	160930	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	570054	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.32%
38) trans-1,3-Dichloropropene-	10.58	79	70326	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
39) 2-Hexanone-d5	10.93	63	47373	46.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120478	22.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	207755	23.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	174739	23.959	ug/L 96
3) Chloromethane	2.22	50	151069	23.498	ug/L 99
5) Vinyl chloride	2.37	62	207677	24.883	ug/L 100
6) Bromomethane	2.78	94	140575	22.910	ug/L 99
8) Chloroethane	2.93	64	121877	23.660	ug/L 97
9) Trichlorofluoromethane	3.26	101	129524	20.086	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	197567	24.049	ug/L 99
12) 1,1-Dichloroethene	4.05	96	188071	23.839	ug/L 97
13) Acetone	4.13	43	40424	39.179	ug/L 99
14) Carbon disulfide	4.39	76	540659	23.900	ug/L 99
15) Methyl Acetate	4.67	43	50677	20.557	ug/L 98
16) Methylene chloride	4.92	84	171508	20.367	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	192686	21.826	ug/L # 90
18) trans-1,2-Dichloroethene	5.43	96	194312	23.577	ug/L 96
19) 1,1-Dichloroethane	6.21	63	298209	23.496	ug/L 99
21) 2-Butanone	7.17	43	66577	38.438	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	194404	23.117	ug/L 93

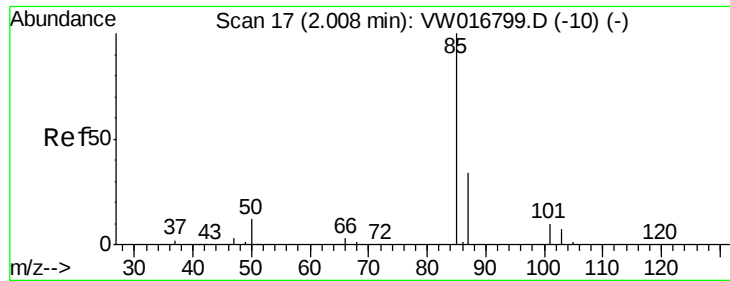
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100820\
 Data File : WV016824.D
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 03:05:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	90258	22.855	ug/L	99
25) Chloroform	7.68	83	323815	23.626	ug/L	98
27) 1,2-Dichloroethane	8.40	62	182705	22.283	ug/L	99
30) Cyclohexane	7.96	56	275022	24.501	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	278782	24.220	ug/L	99
32) Carbon tetrachloride	8.07	117	280710	24.991	ug/L	100
34) Benzene	8.32	78	702048	24.153	ug/L	100
35) Trichloroethene	9.09	95	198130	24.098	ug/L	100
36) Methylcyclohexane	9.34	83	332913	24.082	ug/L	99
40) 1,2-Dichloropropane	9.37	63	154258	23.469	ug/L	100
41) Bromodichloromethane	9.65	83	221550	23.994	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	249707	23.829	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	147704	44.637	ug/L	98
44) Toluene	10.39	91	779411	24.171	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	209880	23.801	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	123791	23.169	ug/L	99
47) Tetrachloroethene	10.86	164	179933	23.605	ug/L	97
49) 2-Hexanone	10.97	43	98632	45.159	ug/L	99
50) Dibromochloromethane	11.13	129	158422	23.850	ug/L	99
51) 1,2-Dibromoethane	11.24	107	120721	22.992	ug/L	95
52) Chlorobenzene	11.66	112	509675	23.552	ug/L	99
53) Ethylbenzene	11.73	91	884529	24.453	ug/L	99
54) m,p-Xylene	11.84	106	348005	24.737	ug/L	99
55) o-xylene	12.16	106	329064	24.481	ug/L	95
56) Styrene	12.18	104	544521	24.549	ug/L	99
57) Isopropylbenzene	12.46	105	908969	24.695	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	134143	22.717	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	94679	22.133	ug/L	99
62) Bromoform	12.35	173	89549	23.054	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	419501	23.872	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	415537	23.644	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	369303	23.471	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	20067	21.026	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	319751	24.479	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	253550	23.632	ug/L	95
69) Naphthalene	15.37	128	411561	23.165	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	218618	23.713	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 23.959 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

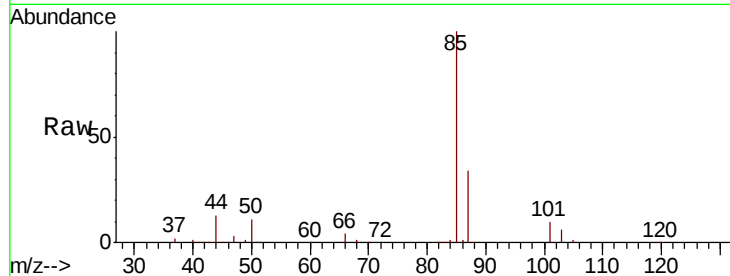
BFB10

Tot Ion: 85 Resp: 174739

Ion Ratio Lower Upper

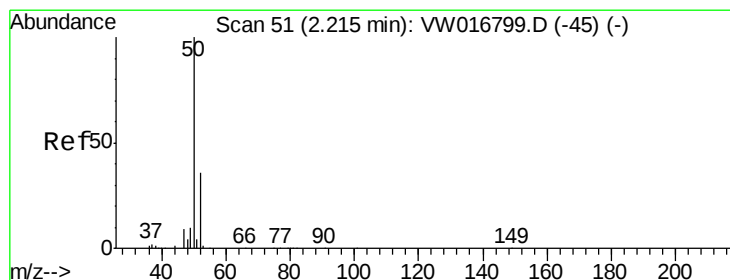
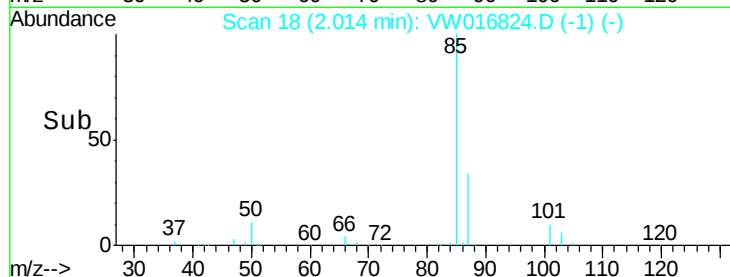
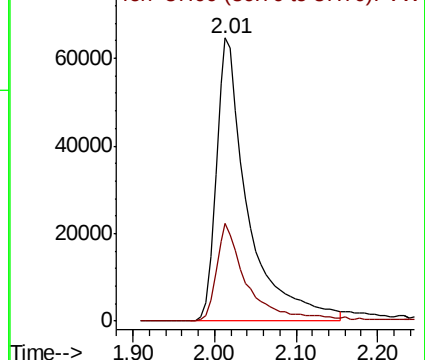
85 100

87 31.3 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.498 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW016824.D

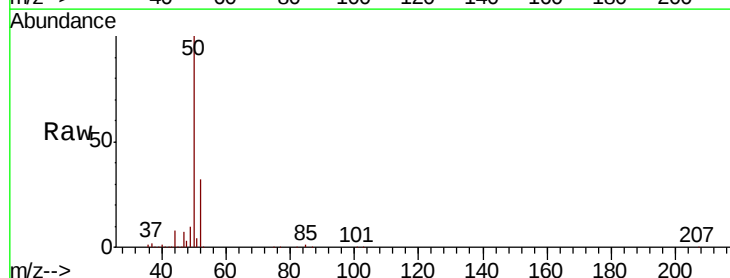
Acq: 07 Oct 2020 09:59

Tgt Ion: 50 Resp: 151069

Ion Ratio Lower Upper

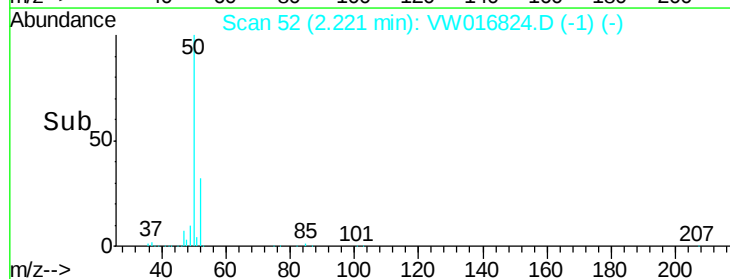
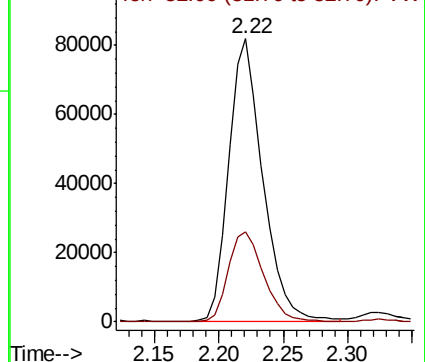
50 100

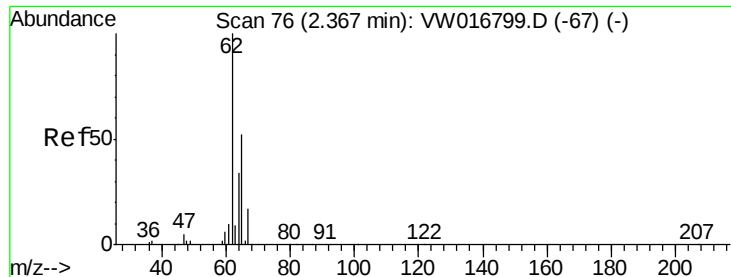
52 31.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.883 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampled :

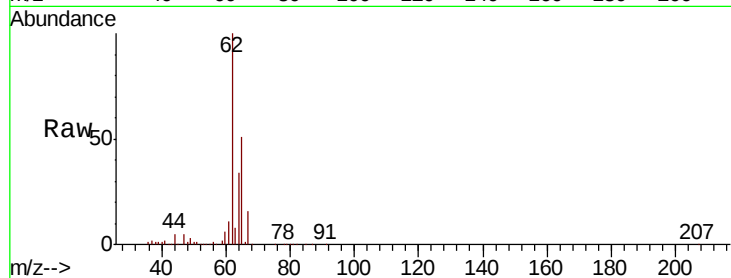
BFB10

Tot Ion: 62 Resp: 207677

Ion Ratio Lower Upper

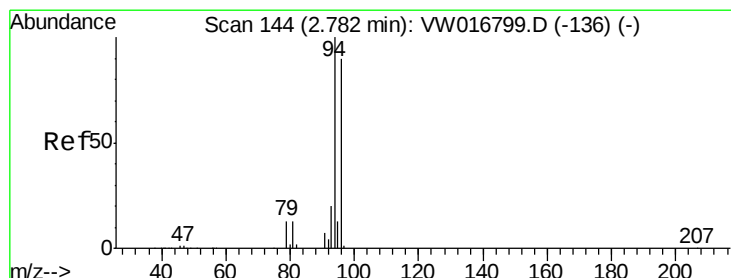
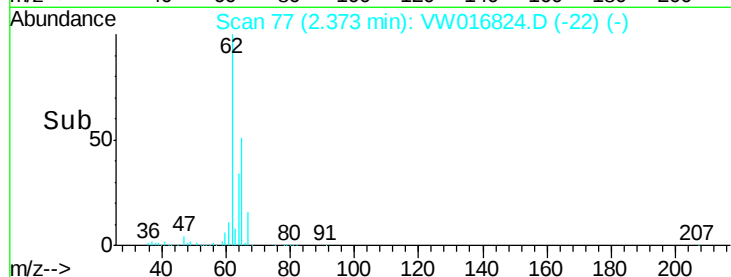
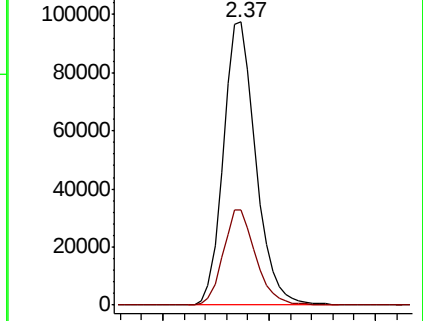
62 100

64 33.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.910 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016824.D

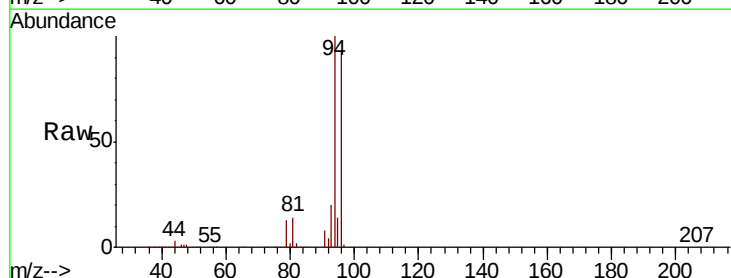
Acq: 07 Oct 2020 09:59

Tgt Ion: 94 Resp: 140575

Ion Ratio Lower Upper

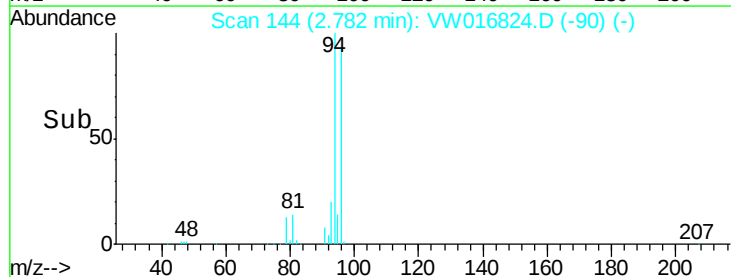
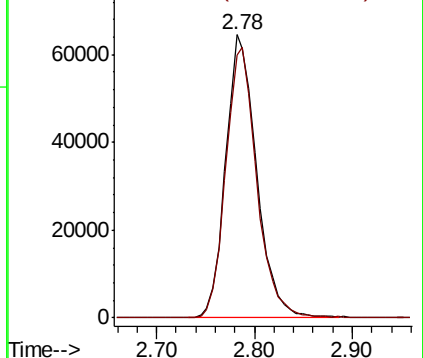
94 100

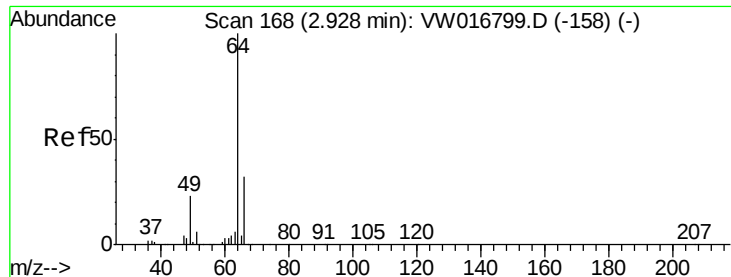
96 96.4 9.5 180.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.660 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampled :

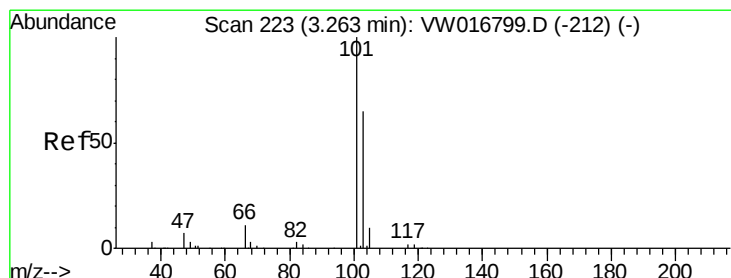
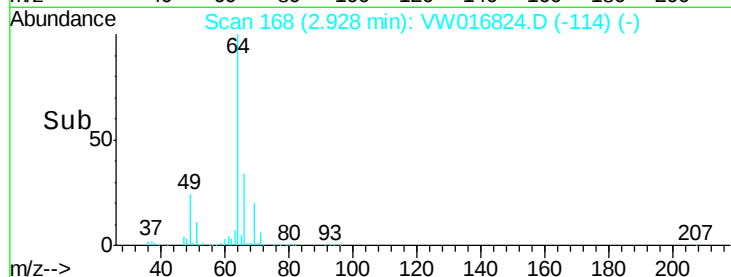
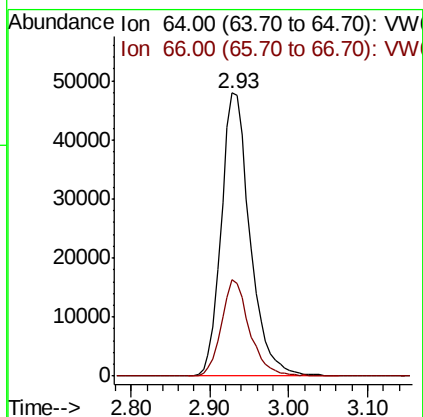
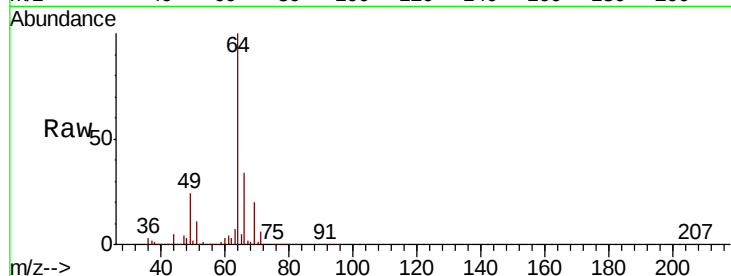
BFB10

Tot Ion: 64 Resp: 121877

Ion Ratio Lower Upper

64 100

66 34.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 20.086 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016824.D

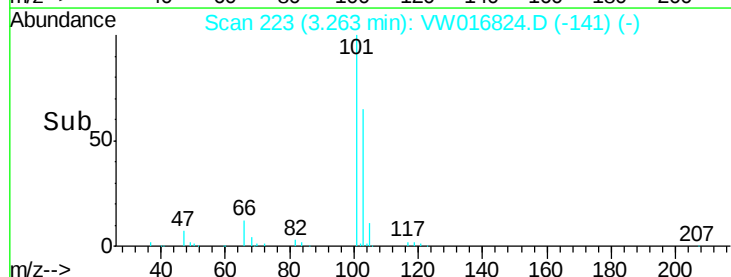
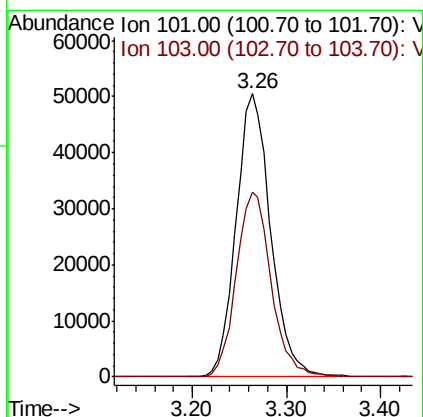
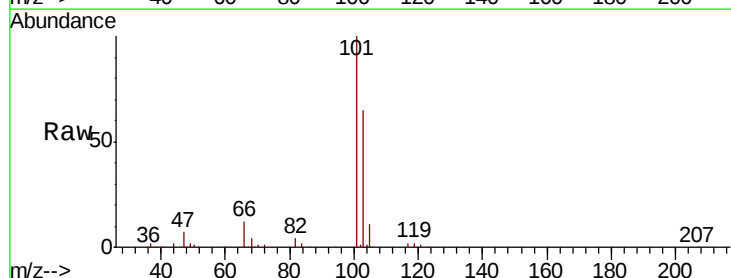
Acq: 07 Oct 2020 09:59

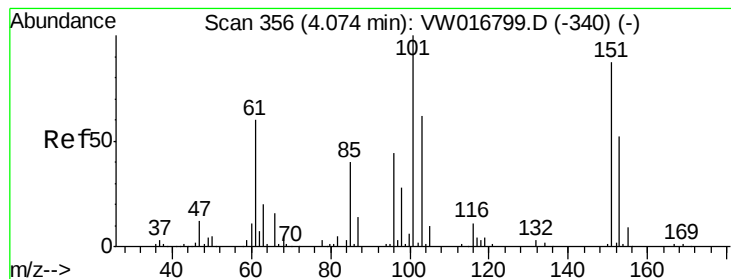
Tgt Ion: 101 Resp: 129524

Ion Ratio Lower Upper

101 100

103 65.4 45.2 84.0





#11

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

Concen: 24.049 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

BFB10

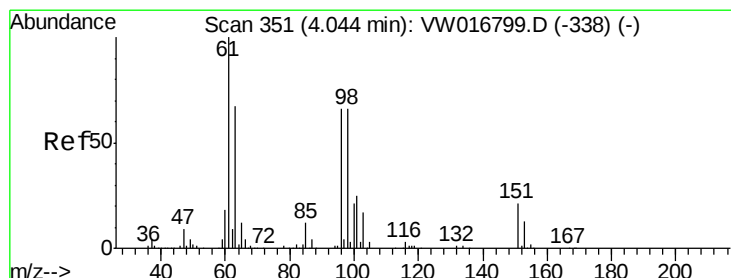
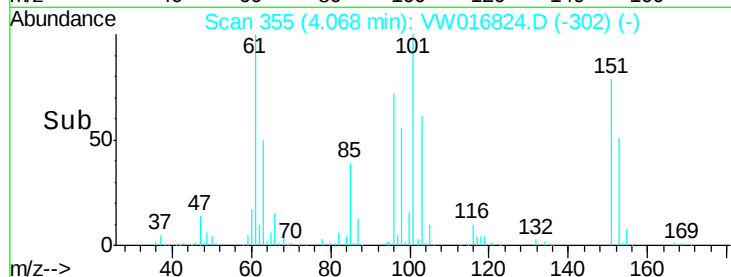
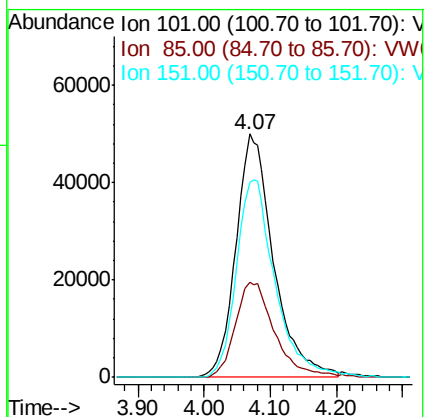
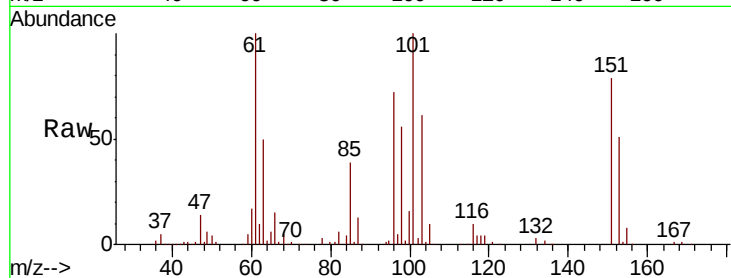
Tot Ion:101 Resp: 197567

Ion Ratio Lower Upper

101 100

85 40.2 31.7 47.5

151 83.6 66.6 99.8



#12

1,1-Dichloroethene

Concen: 23.839 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

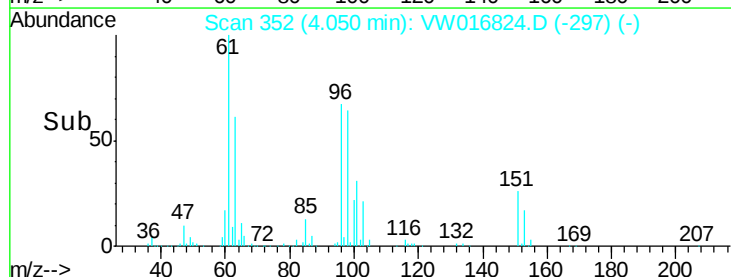
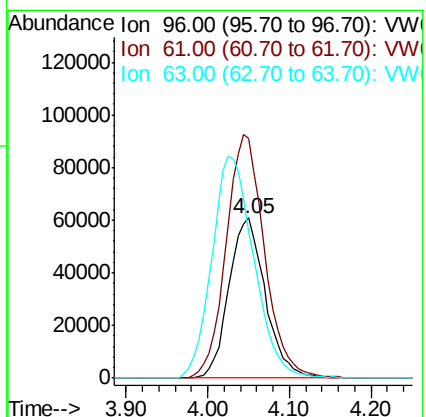
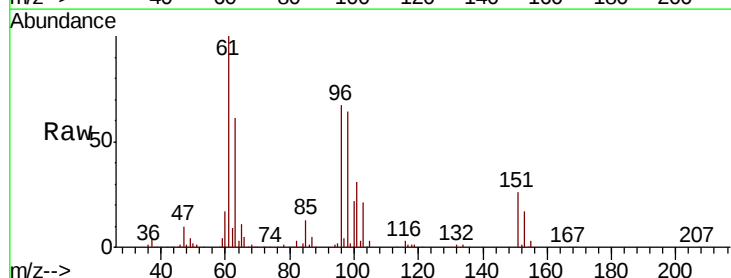
Tgt Ion: 96 Resp: 188071

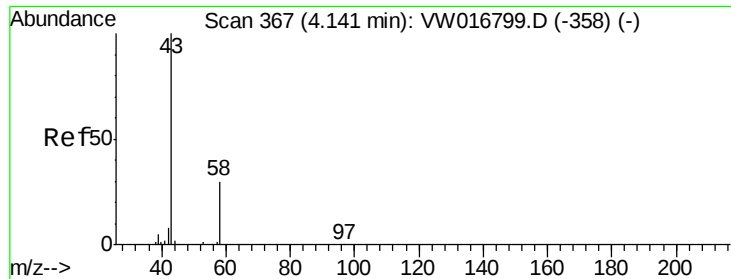
Ion Ratio Lower Upper

96 100

61 150.1 105.1 195.1

63 91.5 69.9 129.7





#13

Acetone

Concen: 39.179 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

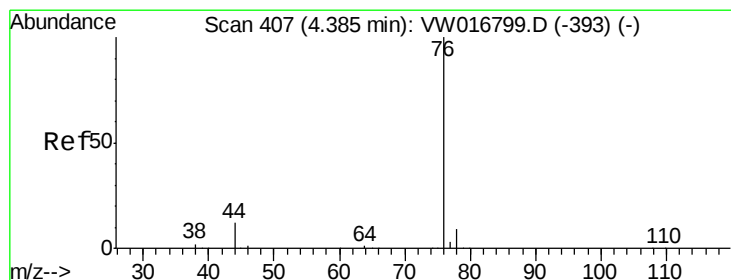
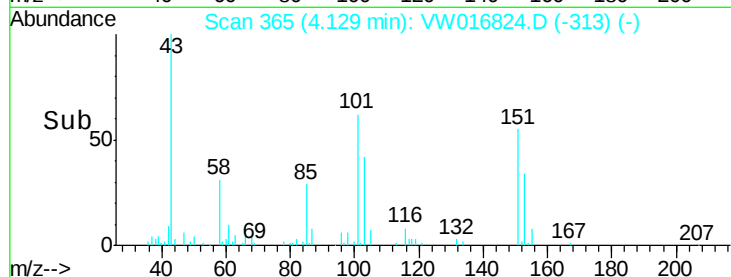
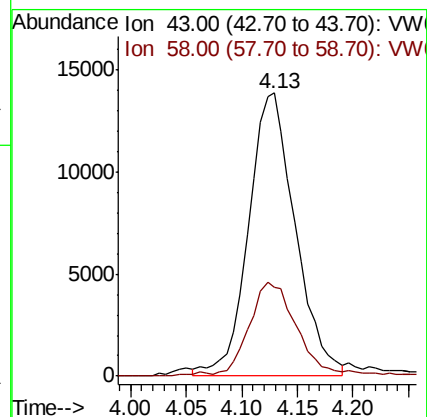
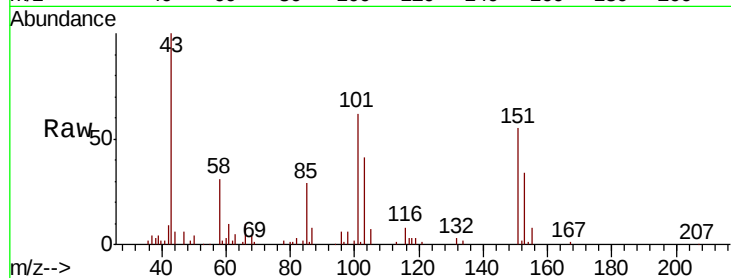
BFB10

Tot Ion: 43 Resp: 40424

Ion Ratio Lower Upper

43 100

58 33.1 0.0 67.6



#14

Carbon disulfide

Concen: 23.900 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016824.D

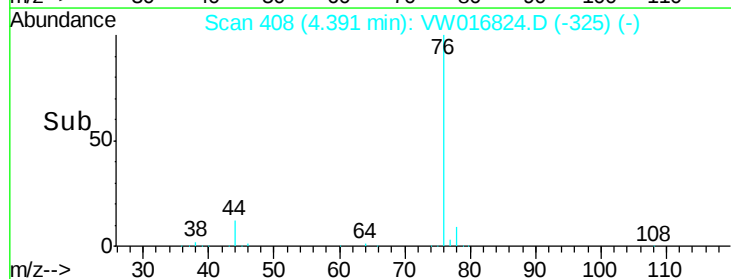
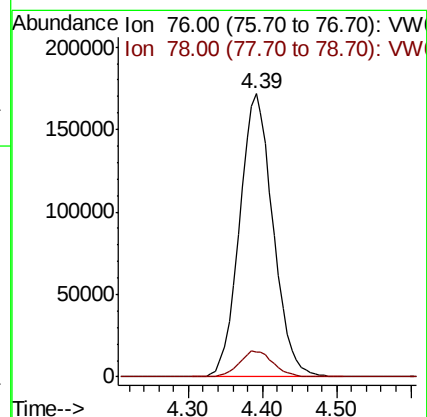
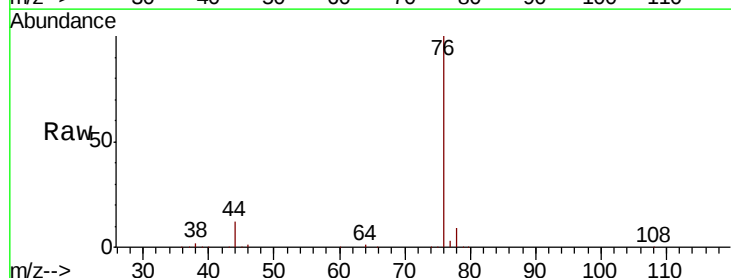
Acq: 07 Oct 2020 09:59

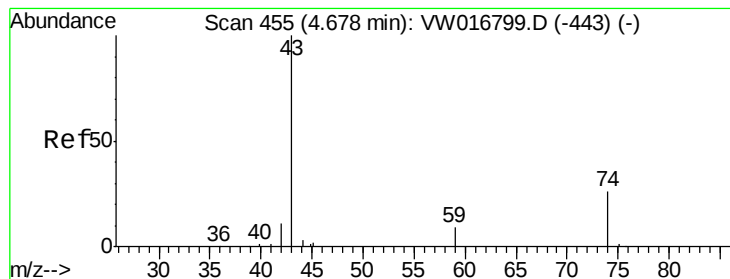
Tgt Ion: 76 Resp: 540659

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methvl Acetate

Concen: 20.557 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

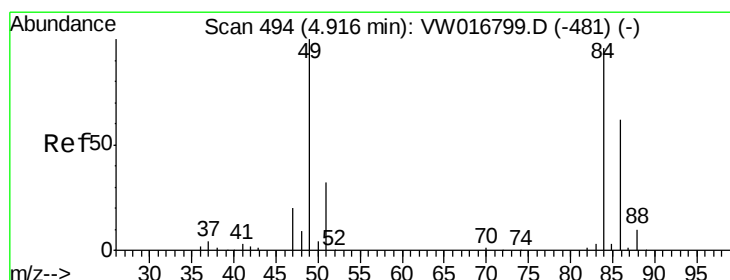
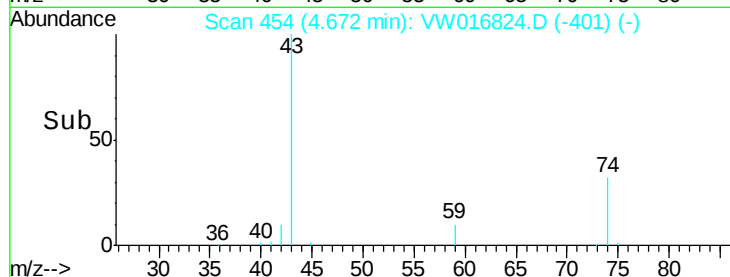
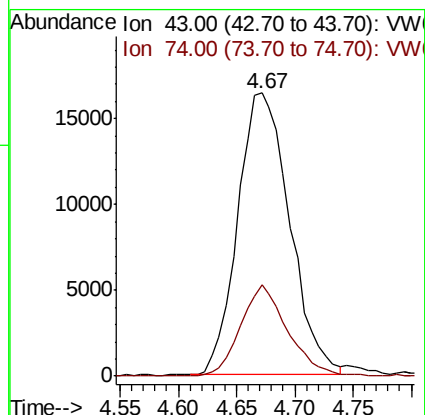
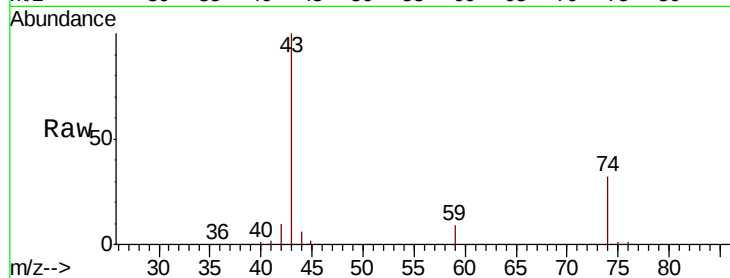
BFB10

Tot Ion: 43 Resp: 50677

Ion Ratio Lower Upper

43 100

74 29.2 22.7 34.1



#16

Methylene chloride

Concen: 20.367 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

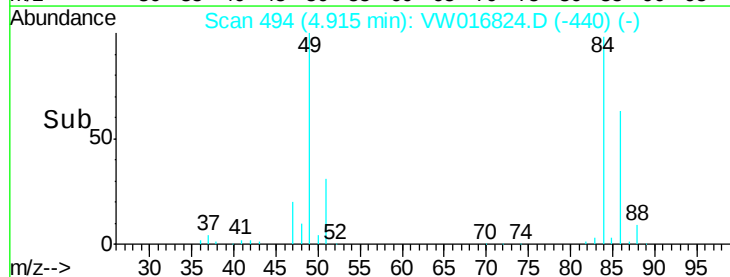
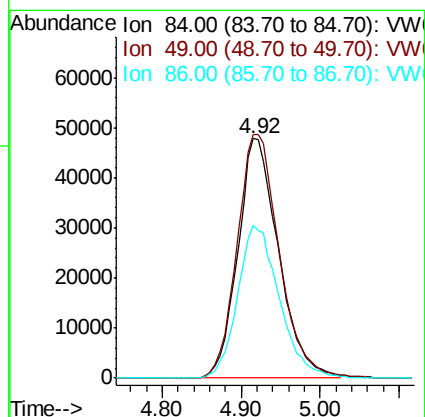
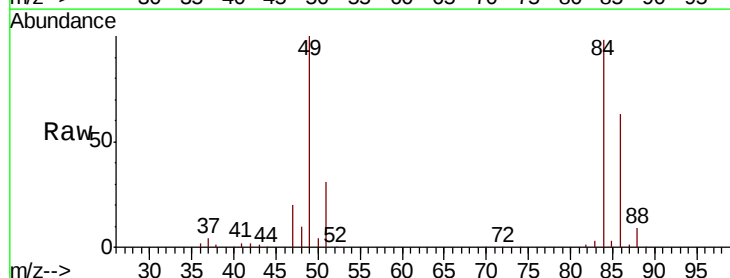
Tgt Ion: 84 Resp: 171508

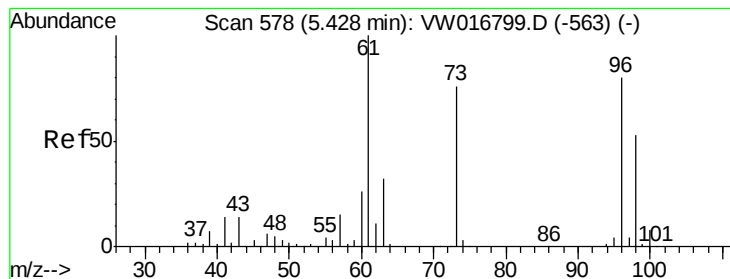
Ion Ratio Lower Upper

84 100

49 101.7 73.1 135.8

86 63.8 46.0 85.4





#17

Methyl tert-butyl Ether

Concen: 21.826 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

BFB10

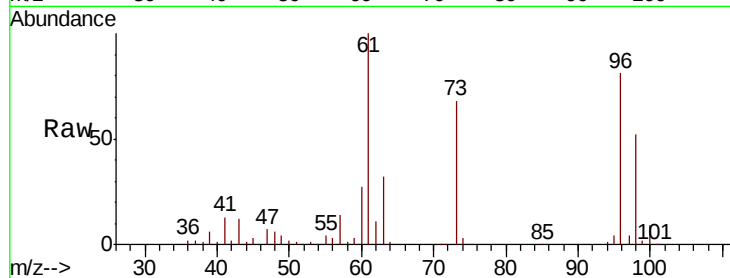
Tot Ion: 73 Resp: 192686

Ion Ratio Lower Upper

73 100

43 9.3 15.0 22.4#

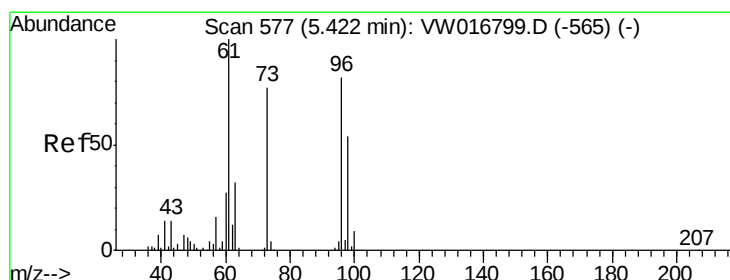
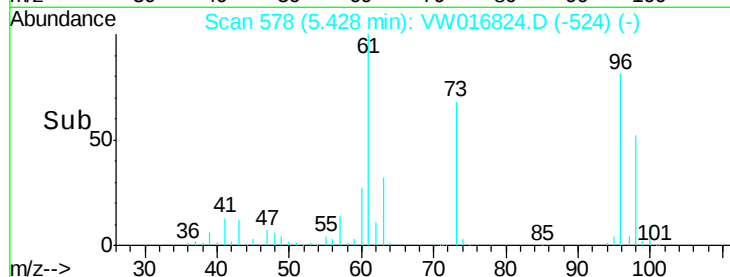
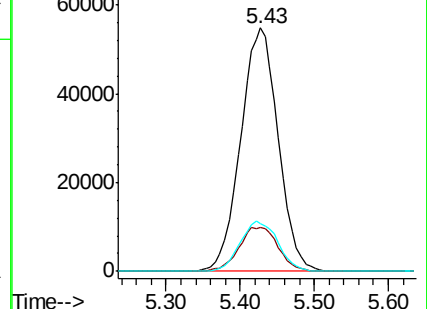
57 20.9 16.4 24.6



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



#18

trans-1,2-Dichloroethene

Concen: 23.577 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

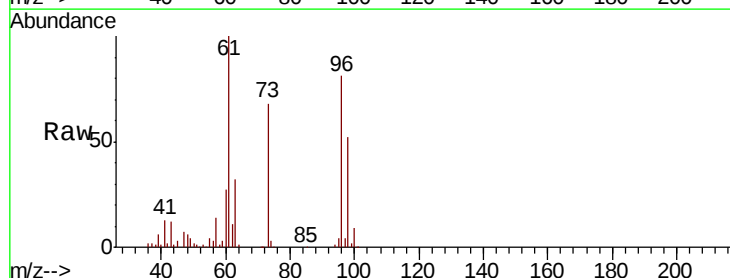
Tgt Ion: 96 Resp: 194312

Ion Ratio Lower Upper

96 100

61 123.5 82.5 153.3

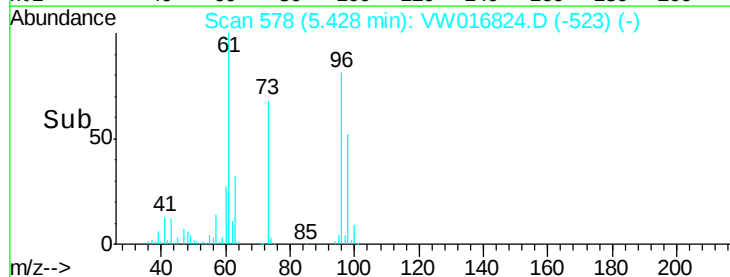
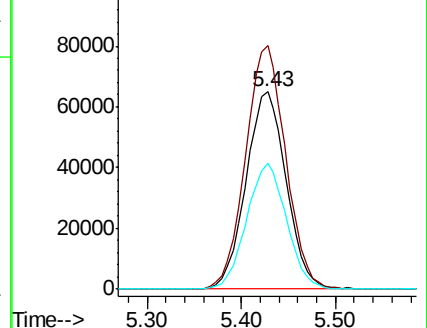
98 63.9 43.3 80.5

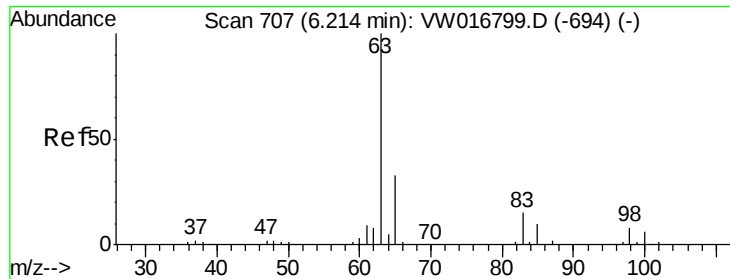


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

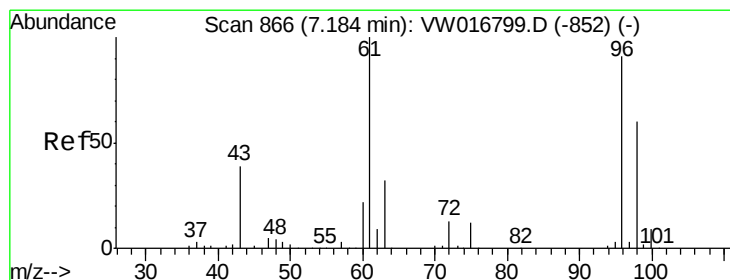
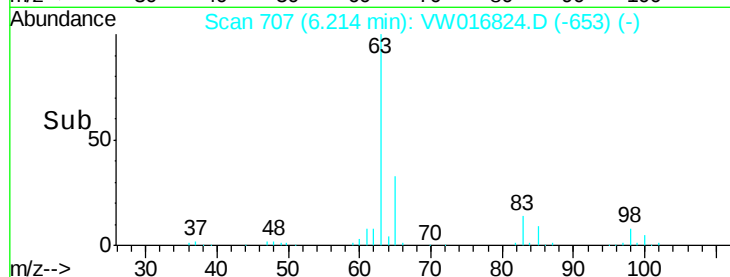
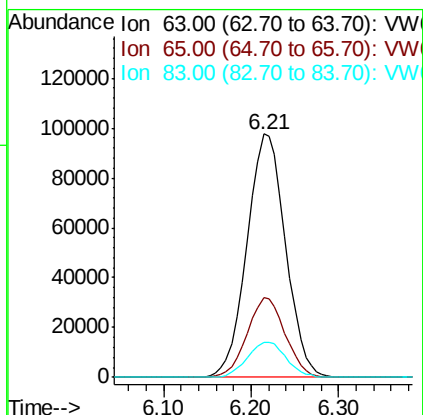
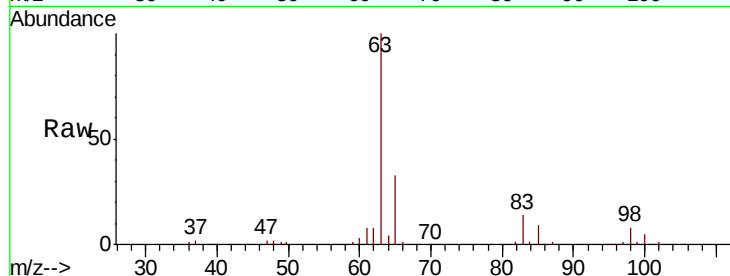




#19
 1,1-Dichloroethane
 Concen: 23.496 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

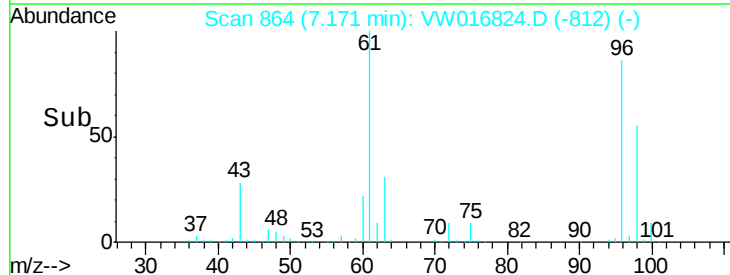
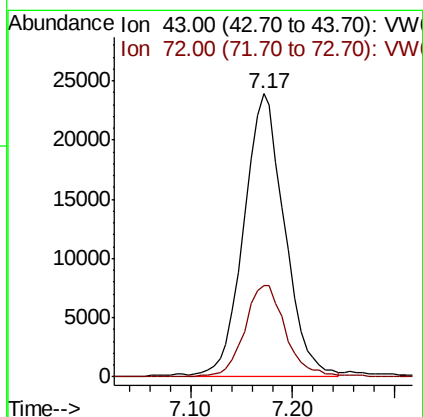
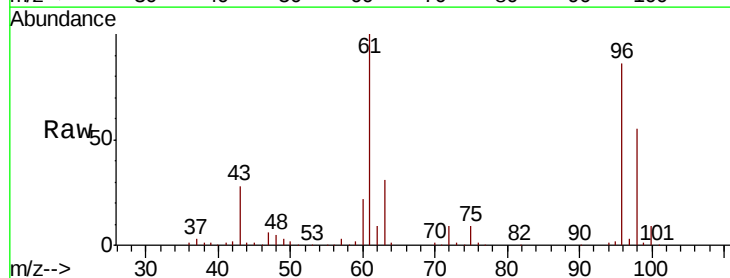
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

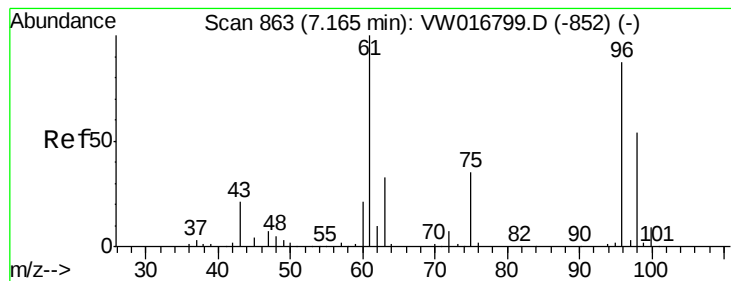
Tot Ion: 63 Resp: 298209
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.7 42.1
 83 14.1 9.9 18.5



#21
 2-Butanone
 Concen: 38.438 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion: 43 Resp: 66577
 Ion Ratio Lower Upper
 43 100
 72 32.1 16.2 48.5



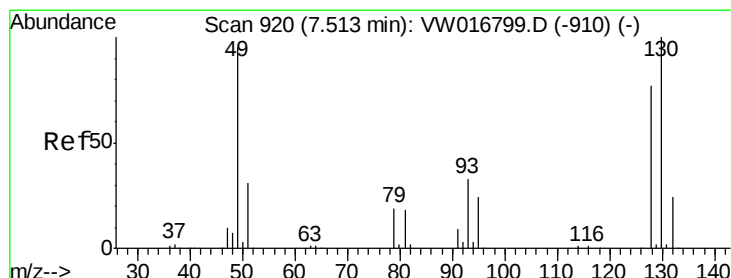
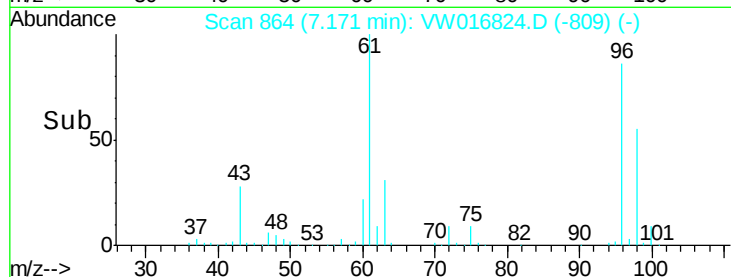
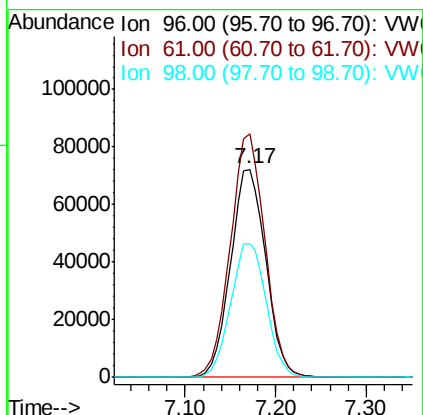
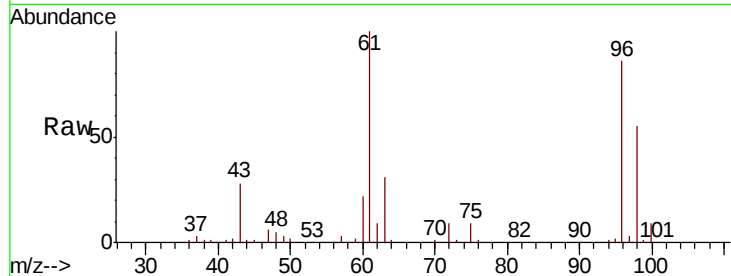


#22

cis-1,2-Dichloroethene
 Concen: 23.117 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Instrument :
 MSVOA_W
 ClientSampled :
 BFB10

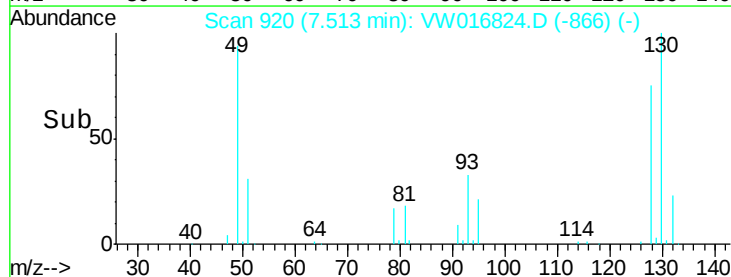
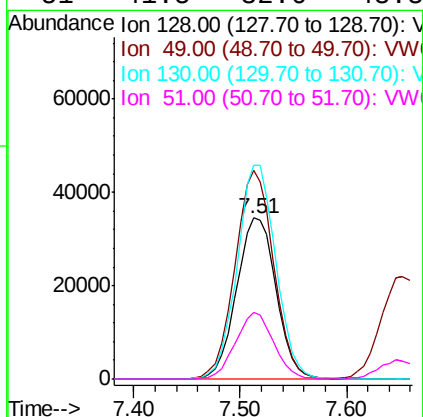
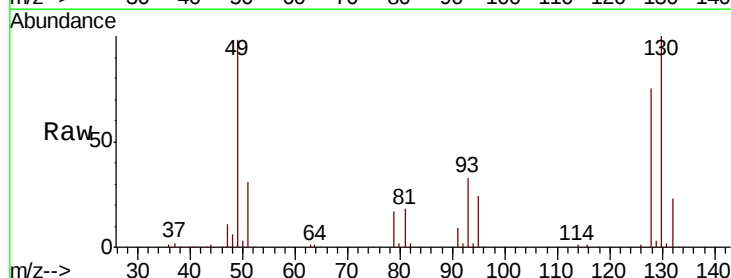
Tot Ion: 96 Resp: 194404
 Ion Ratio Lower Upper
 96 100
 61 116.9 76.0 141.2
 98 64.1 42.7 79.3

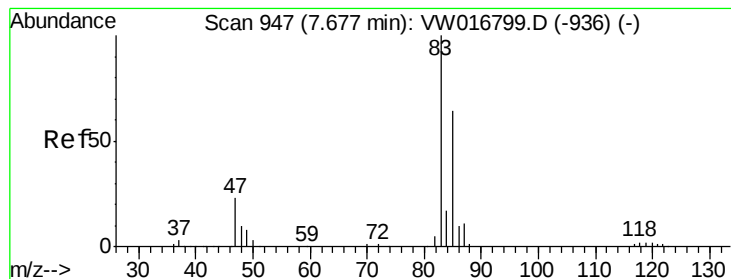


#23

Bromochloromethane
 Concen: 22.855 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion: 128 Resp: 90258
 Ion Ratio Lower Upper
 128 100
 49 129.8 88.5 164.3
 130 132.7 92.9 172.5
 51 41.5 32.6 48.8





#25

Chloroform

Concen: 23.626 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

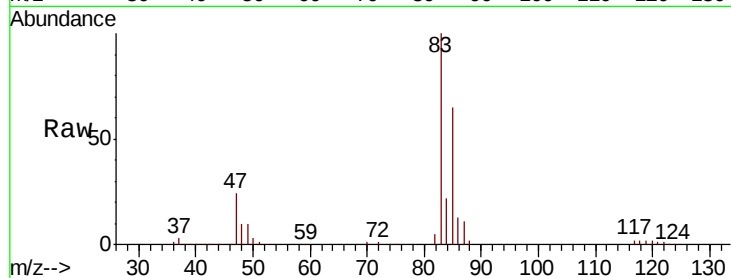
BFB10

Tot Ion: 83 Resp: 323815

Ion Ratio Lower Upper

83 100

85 65.7 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

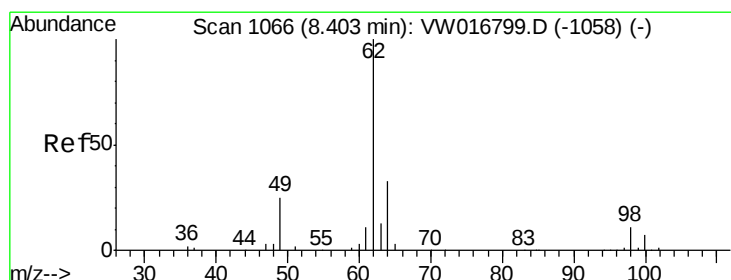
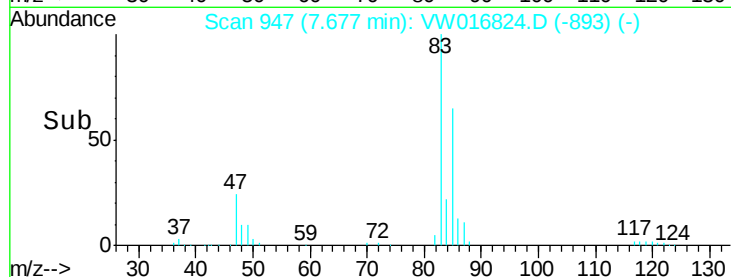
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 22.283 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016824.D

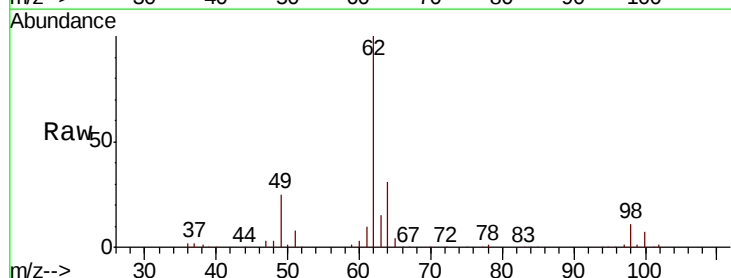
Acq: 07 Oct 2020 09:59

Tgt Ion: 62 Resp: 182705

Ion Ratio Lower Upper

62 100

98 11.2 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

100000

80000

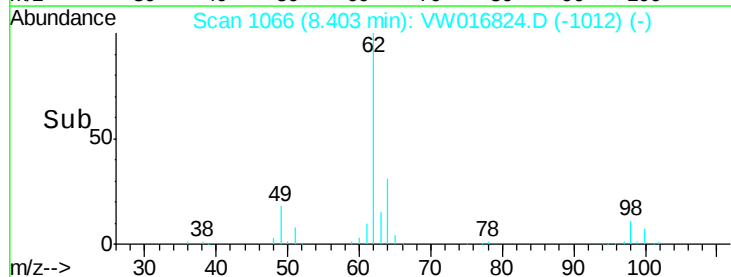
60000

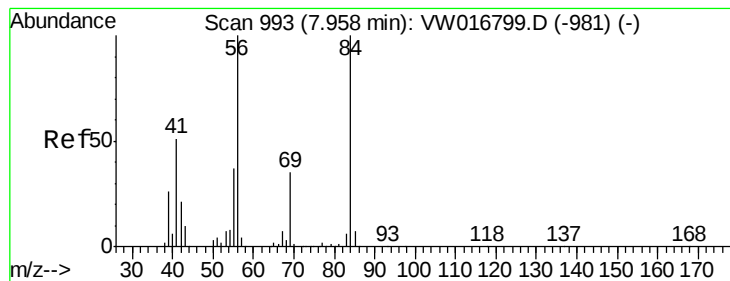
40000

20000

0

Time-->





#30

Cyclohexane

Concen: 24.501 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampled :

BFB10

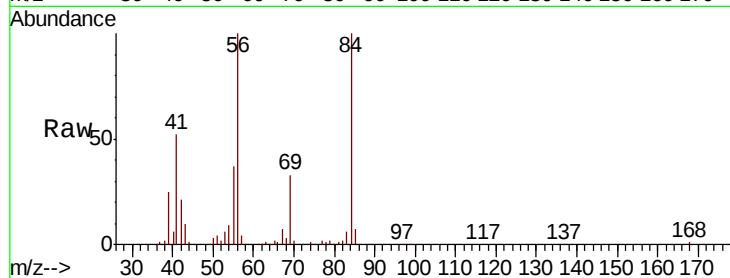
Tot Ion: 56 Resp: 275022

Ion Ratio Lower Upper

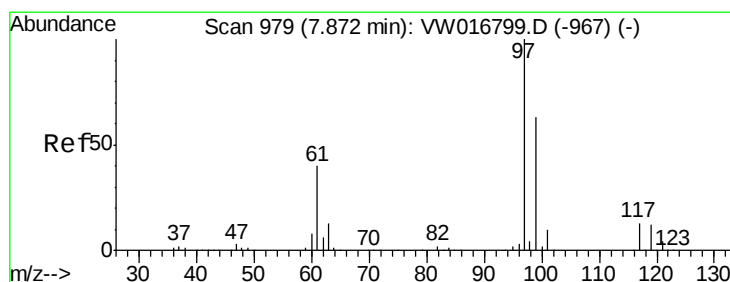
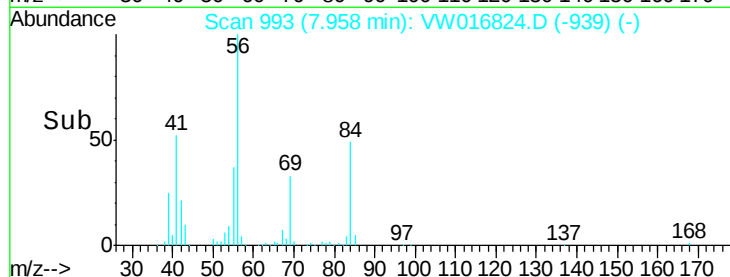
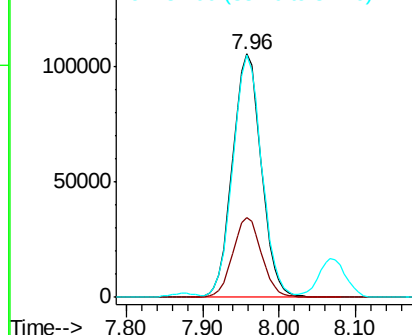
56 100

69 32.8 26.1 39.1

84 99.7 79.3 118.9



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



#31

1,1,1-Trichloroethane

Concen: 24.220 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

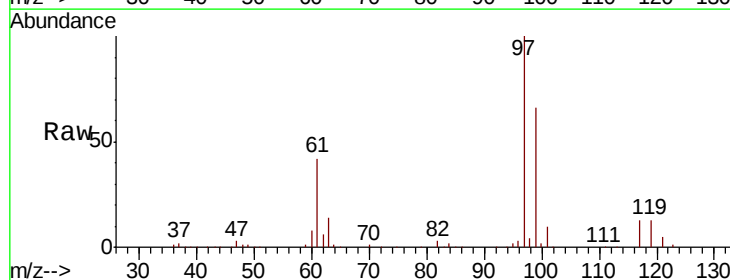
Tgt Ion: 97 Resp: 278782

Ion Ratio Lower Upper

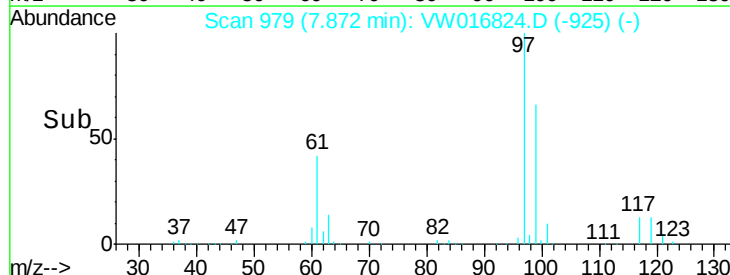
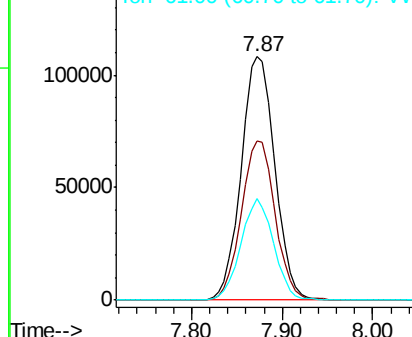
97 100

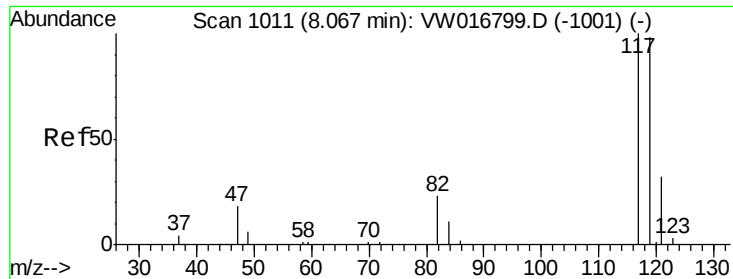
99 65.6 51.5 77.3

61 40.6 32.5 48.7



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.991 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

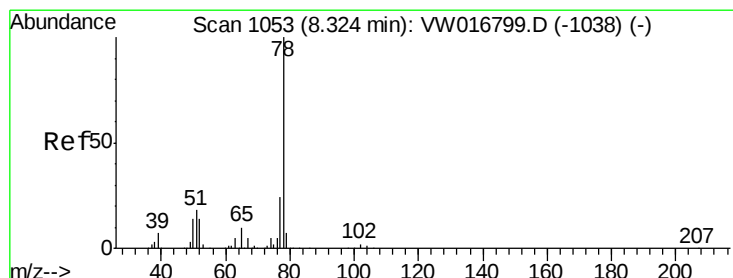
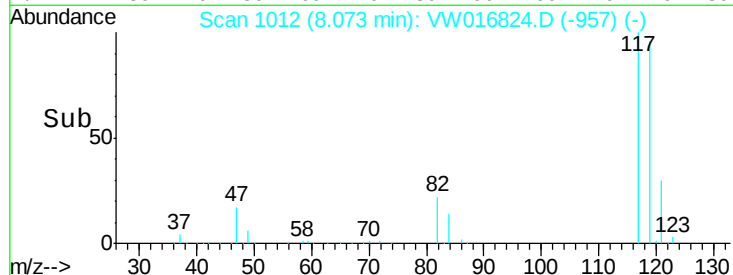
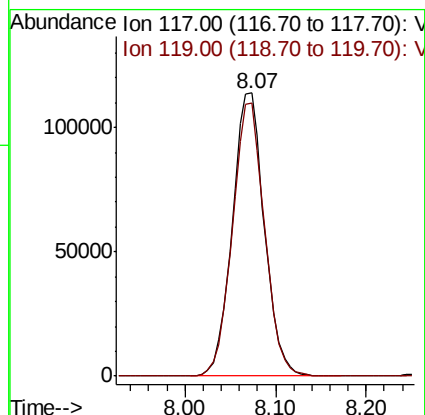
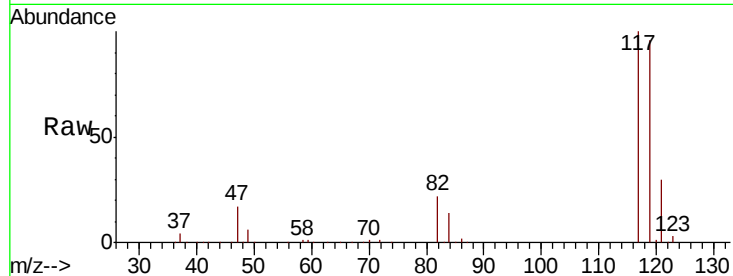
BFB10

Tot Ion:117 Resp: 280710

Ion Ratio Lower Upper

117 100

119 96.5 77.4 116.0



#34

Benzene

Concen: 24.153 ug/L

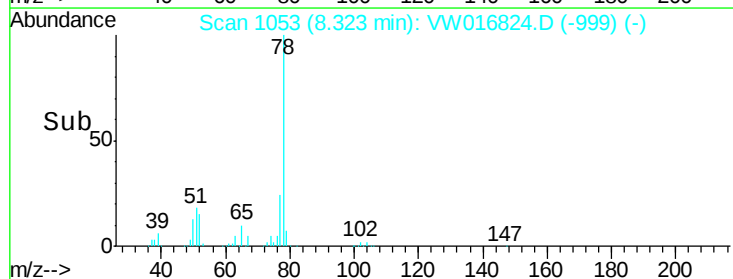
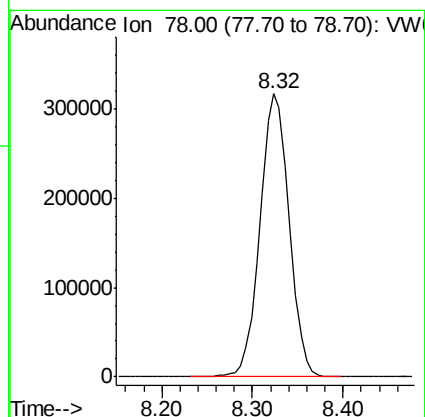
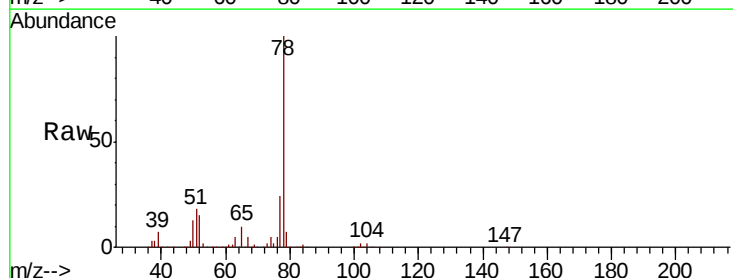
RT: 8.32 min Scan# 1053

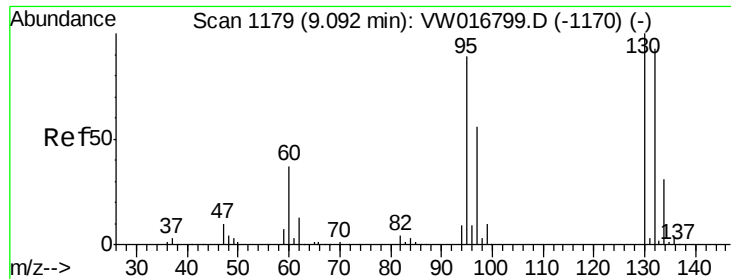
Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Tgt Ion: 78 Resp: 702048

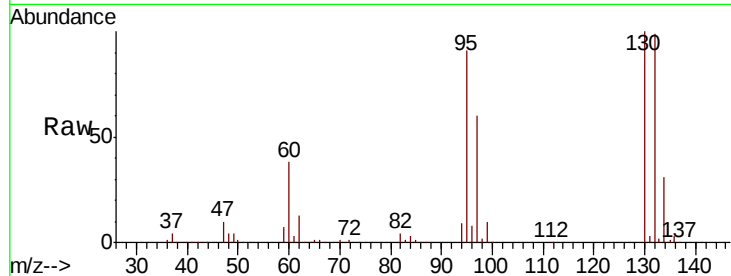




#35
 Trichloroethene
 Concen: 24.098 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

Tot Ion	95	Resp	198130
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.7	83.1
132	106.7	73.8	137.2
130	110.2	77.1	143.3



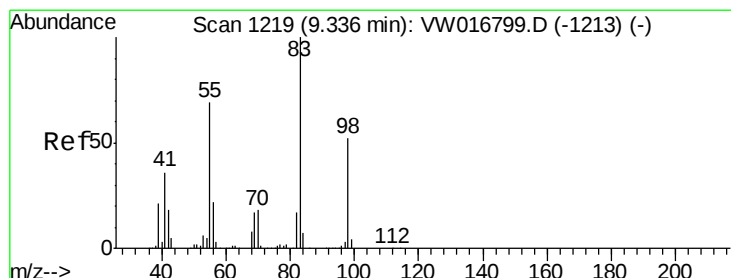
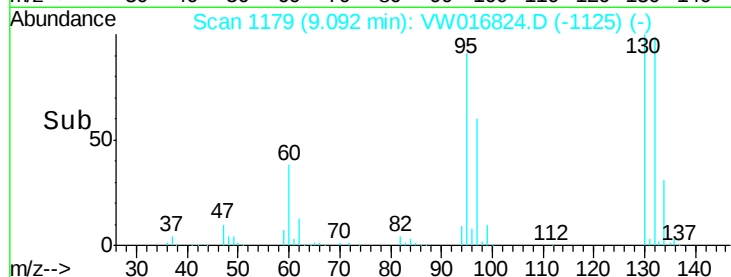
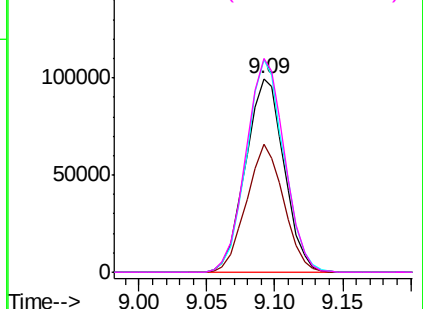
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

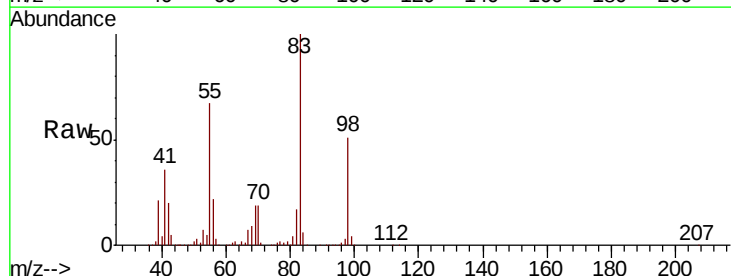
Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36
 Methylcyclohexane
 Concen: 24.082 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion	83	Resp	332913
Ion	Ratio	Lower	Upper
83	100		
55	69.1	54.2	81.4
98	52.5	41.4	62.2

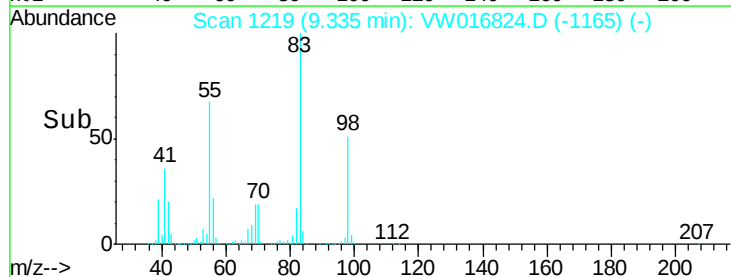
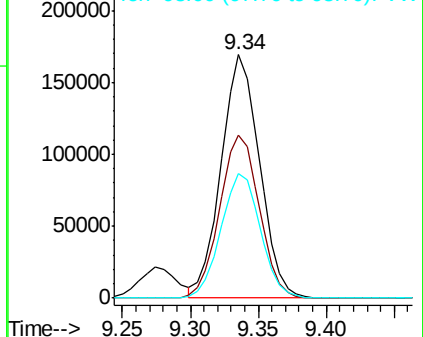


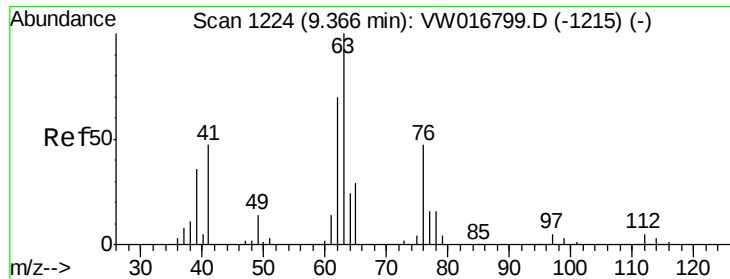
Abundance

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

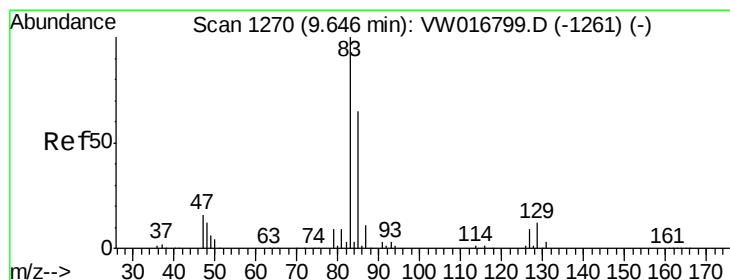
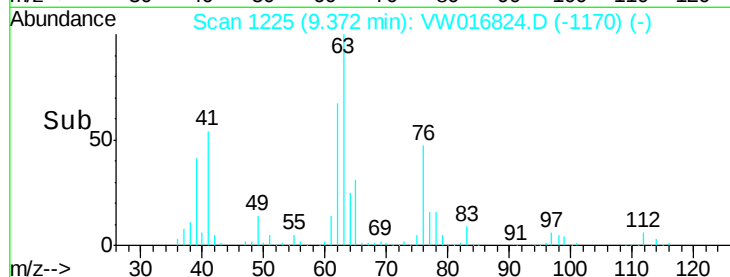
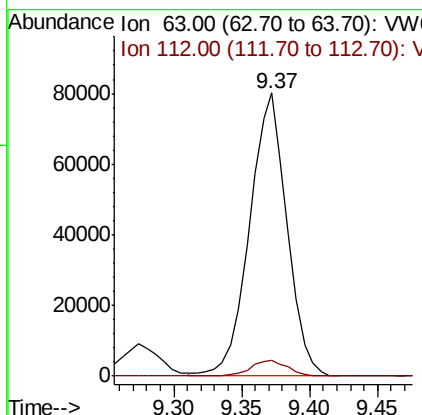
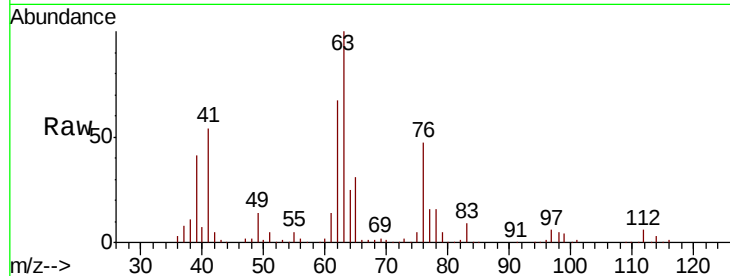




#40
 1,2-Dichloropropane
 Concen: 23.469 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

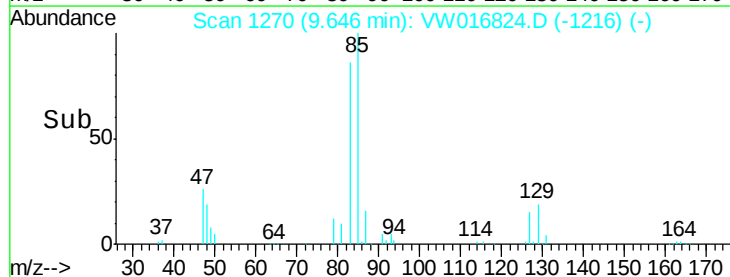
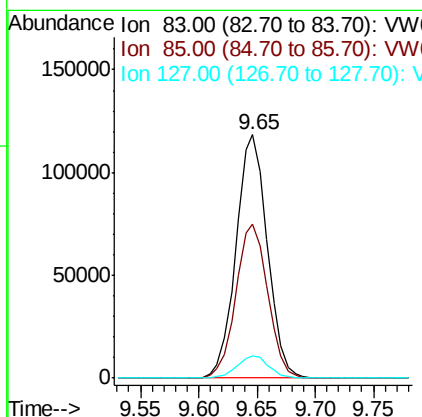
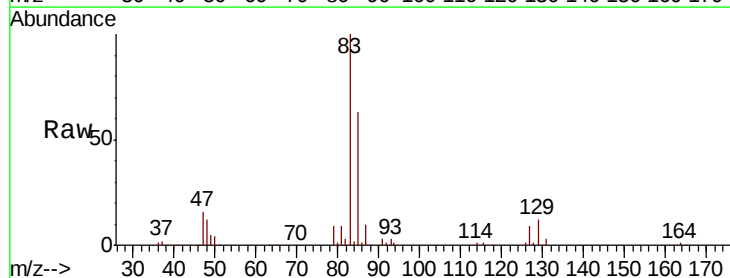
Instrument :
 MSVOA_W
 ClientSampled :
 BFB10

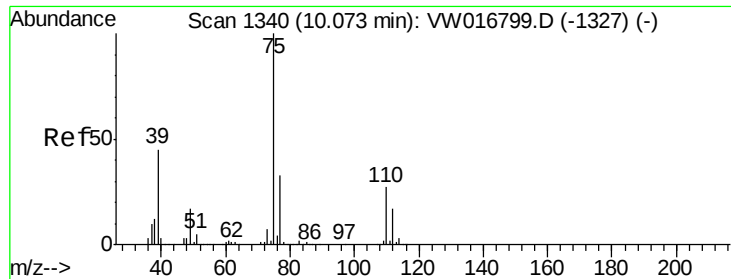
Tot Ion: 63 Resp: 154258
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 23.994 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion: 83 Resp: 221550
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.2 85.8
 127 9.3 7.5 11.3

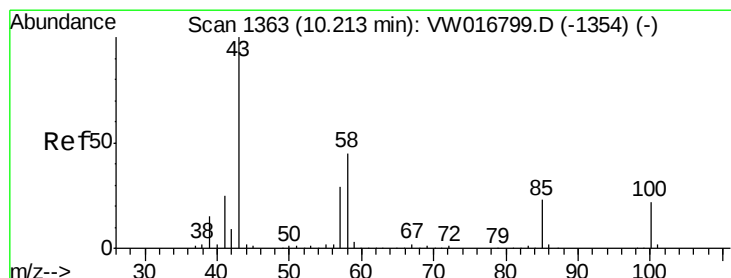
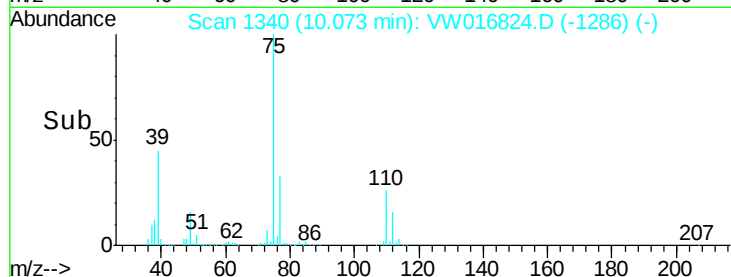
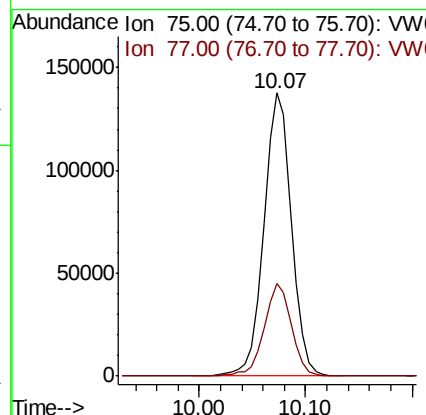
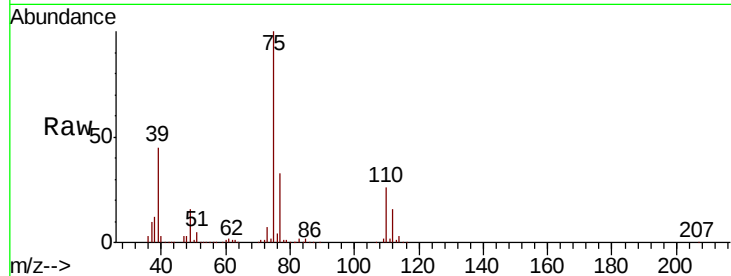




#42
 cis-1,3-Dichloropropene
 Concen: 23.829 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

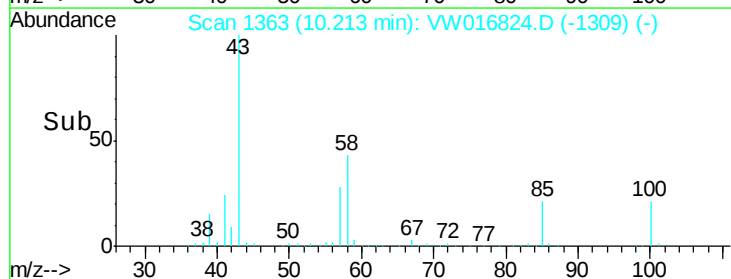
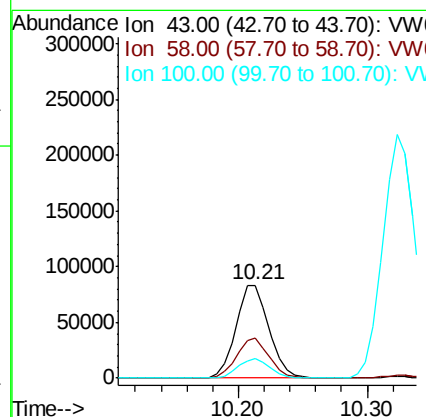
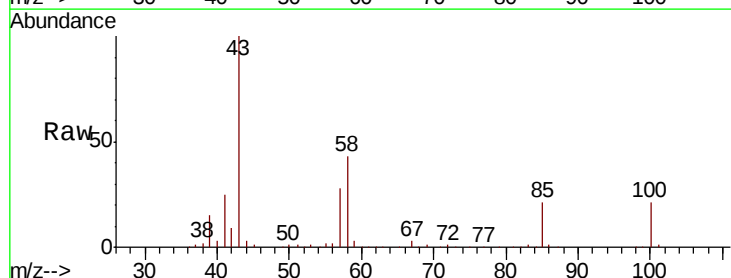
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

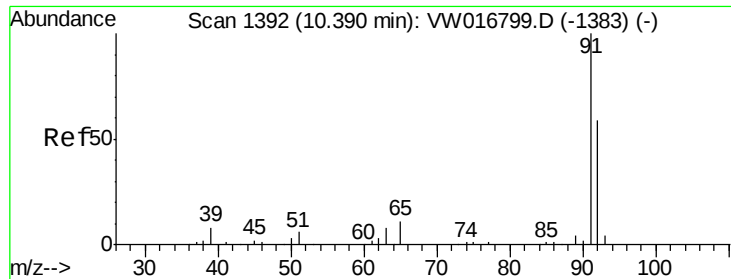
Tot Ion: 75 Resp: 249707
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 44.637 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion: 43 Resp: 147704
 Ion Ratio Lower Upper
 43 100
 58 42.3 34.7 52.1
 100 20.5 16.9 25.3





#44

Toluene

Concen: 24.171 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

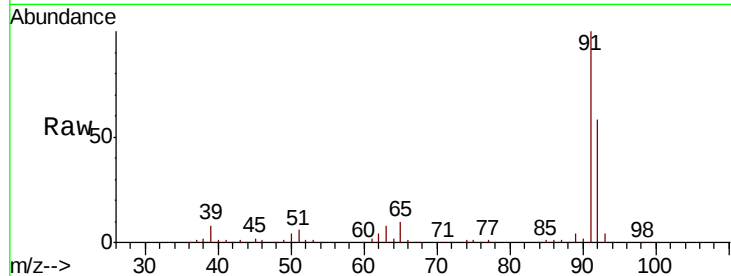
BFB10

Tot Ion: 91 Resp: 779411

Ion Ratio Lower Upper

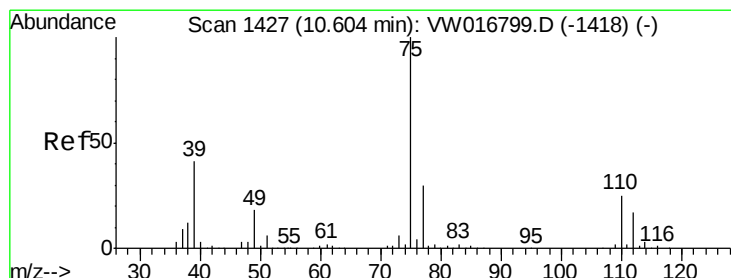
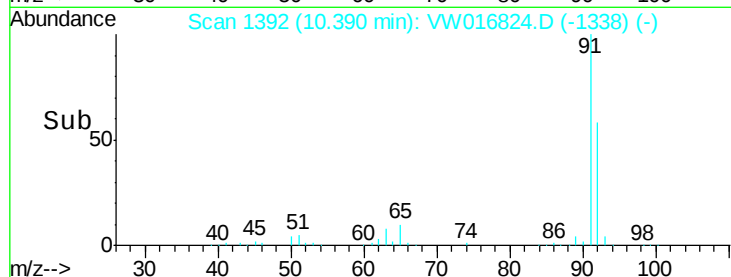
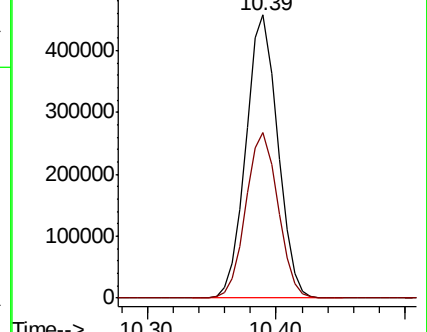
91 100

92 58.4 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 23.801 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW016824.D

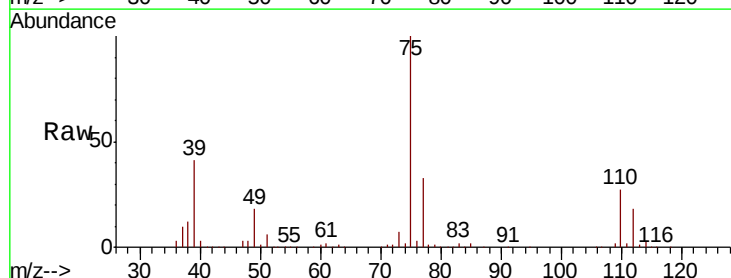
Acq: 07 Oct 2020 09:59

Tgt Ion: 75 Resp: 209880

Ion Ratio Lower Upper

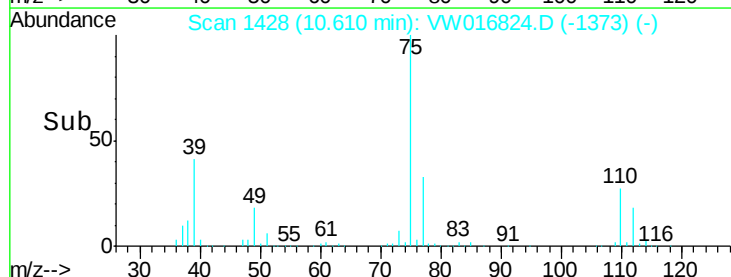
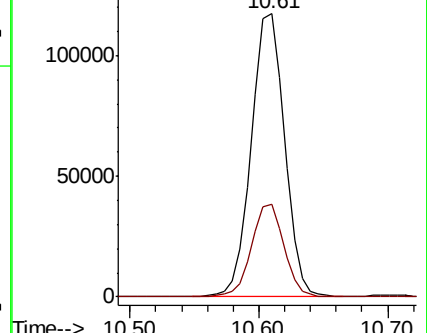
75 100

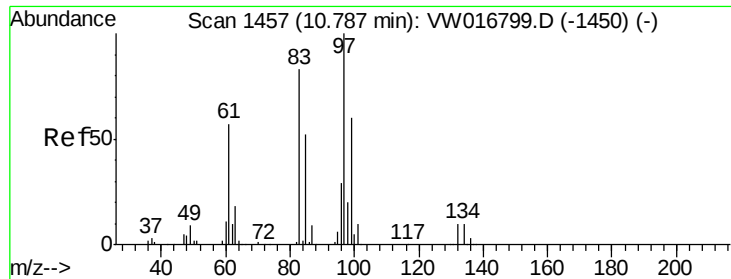
77 33.0 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

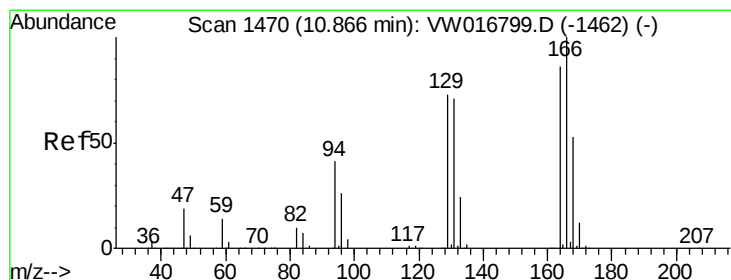
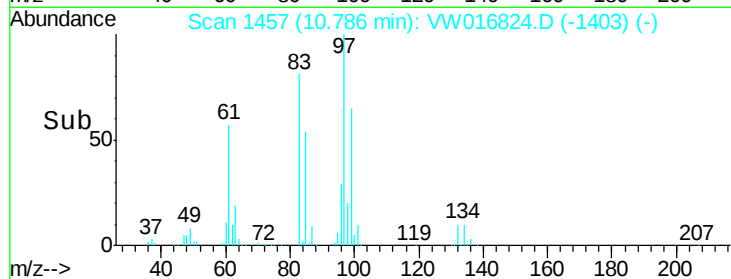
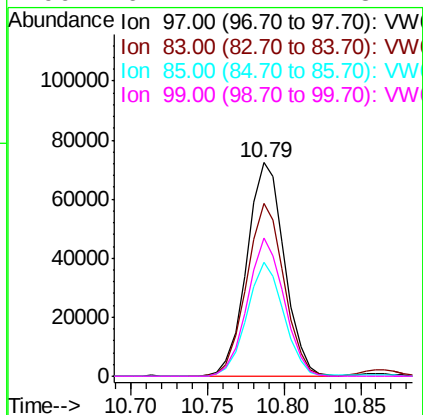
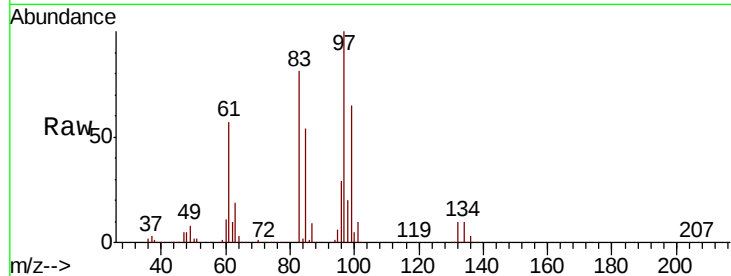




#46
 1,1,2-Trichloroethane
 Concen: 23.169 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

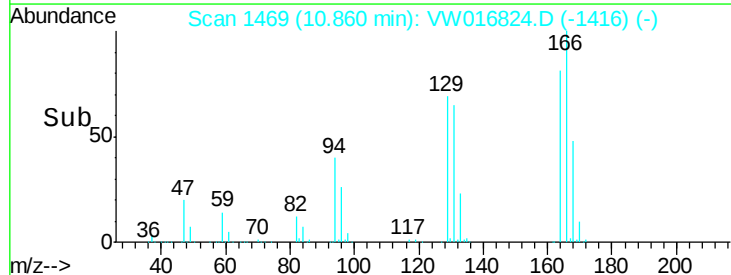
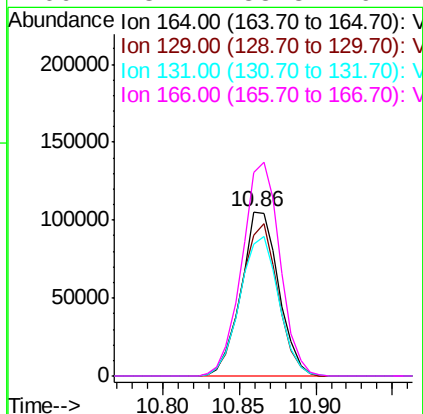
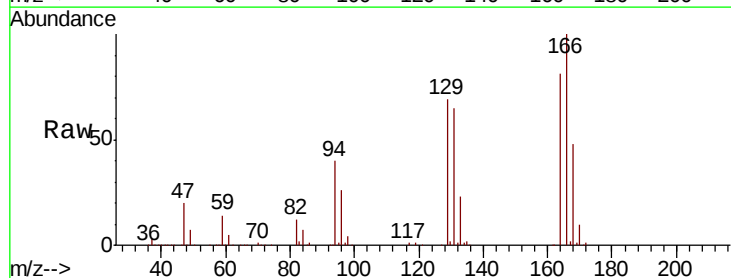
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

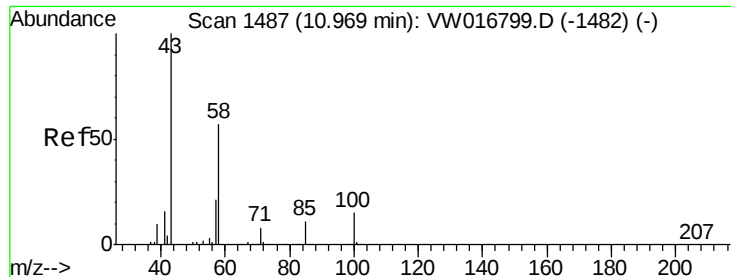
Tot Ion:	97	Resp:	123791
Ion	Ratio	Lower	Upper
97	100		
83	81.0	56.8	105.4
85	53.6	37.0	68.6
99	64.7	44.2	82.2



#47
 Tetrachloroethene
 Concen: 23.605 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion:	164	Resp:	179933
Ion	Ratio	Lower	Upper
164	100		
129	85.6	61.7	114.7
131	80.4	59.7	110.9
166	123.7	88.3	164.1

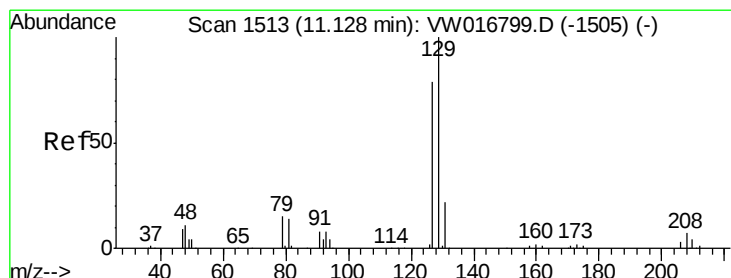
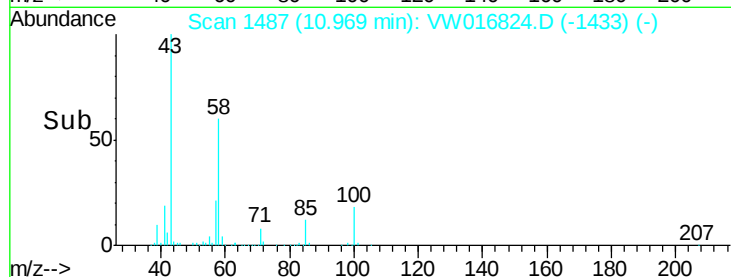
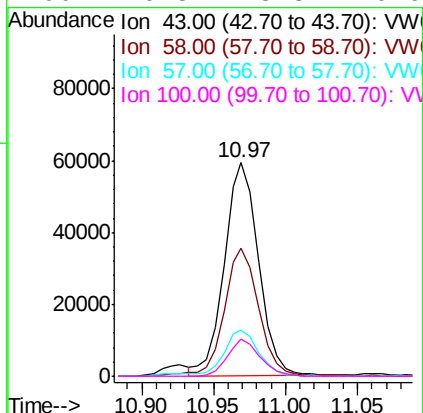
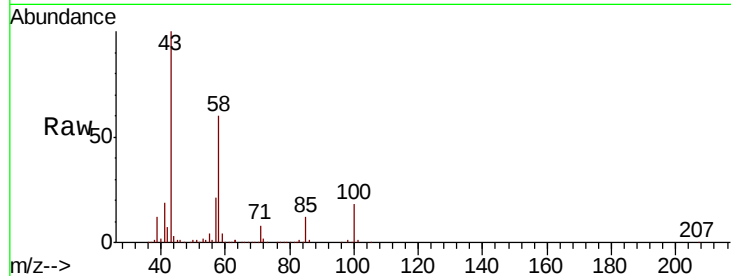




#49
2-Hexanone
Concen: 45.159 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016824.D
Acq: 07 Oct 2020 09:59

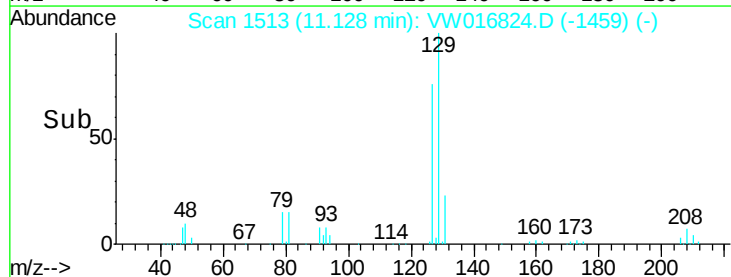
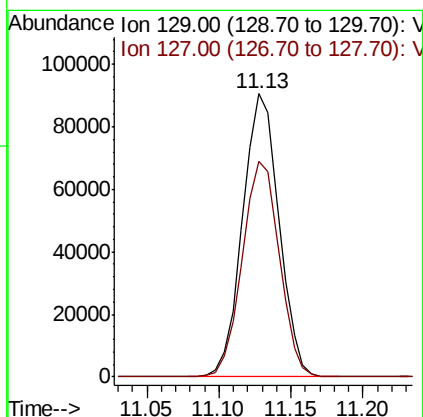
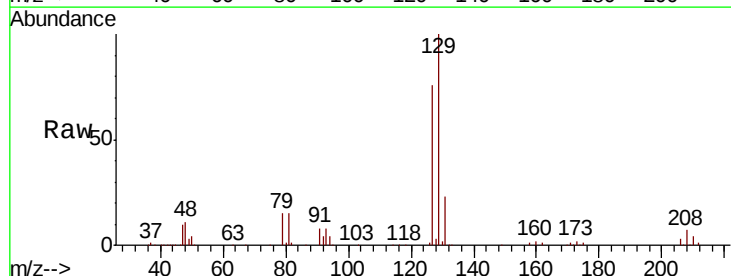
Instrument :
MSVOA_W
ClientSampleId :
BFB10

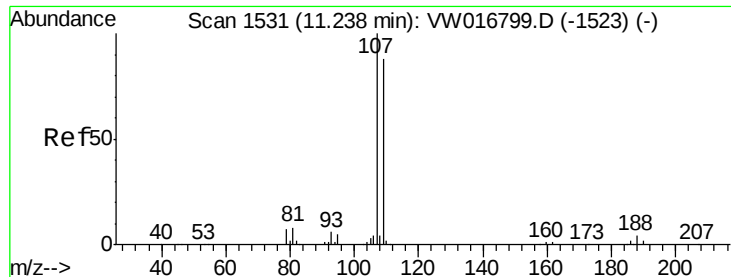
Tot Ion:	43	Resp:	98632
Ion	Ratio	Lower	Upper
43	100		
58	58.6	47.1	70.7
57	21.4	16.2	24.4
100	16.8	13.3	19.9



#50
Dibromochloromethane
Concen: 23.850 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016824.D
Acq: 07 Oct 2020 09:59

Tgt Ion:	129	Resp:	158422
Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.0	100.4

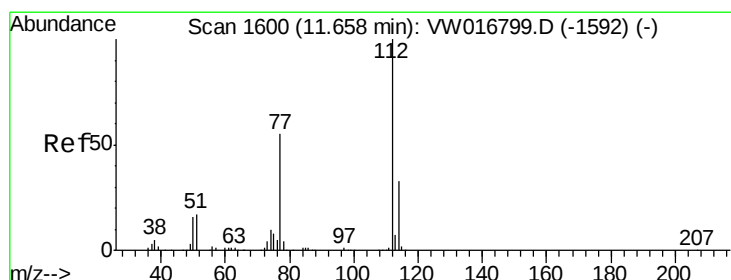
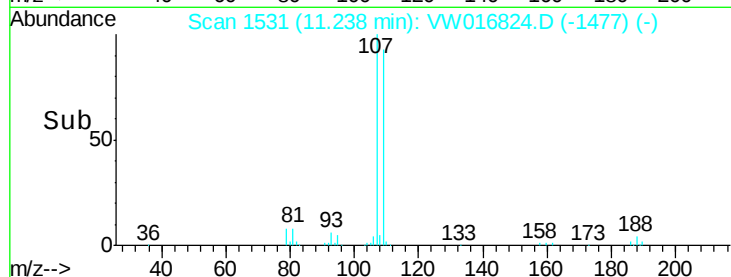
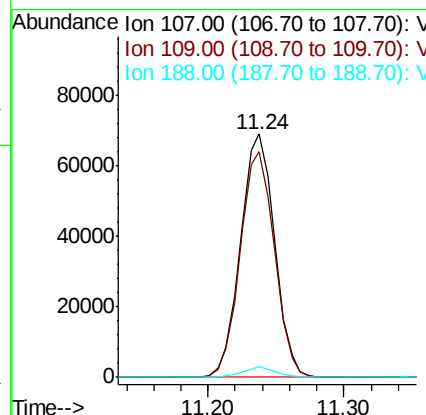
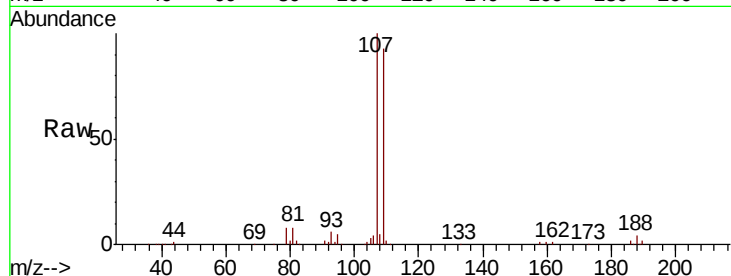




#51
 1,2-Dibromoethane
 Concen: 22.992 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

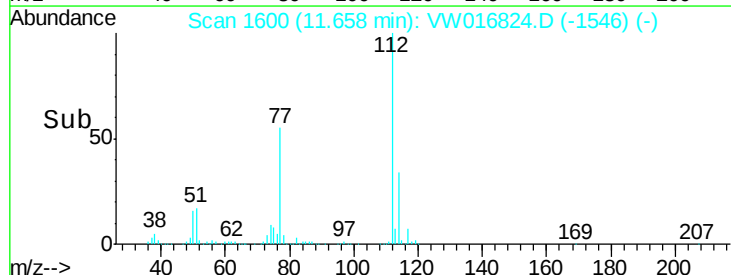
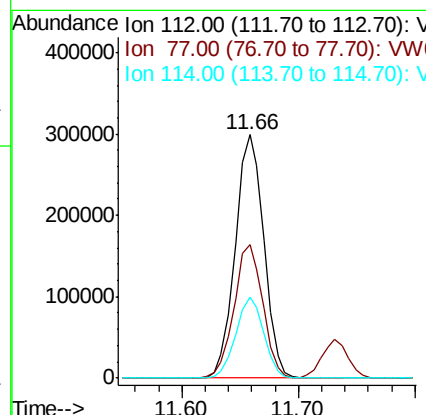
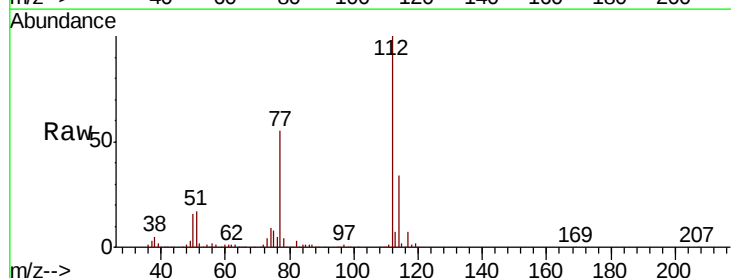
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

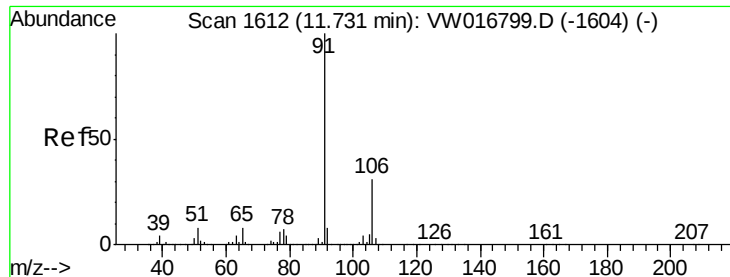
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	68.4	127.0
188	4.3	3.4	5.0



#52
 Chlorobenzene
 Concen: 23.552 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.9	44.0	66.0
114	33.5	22.3	41.3

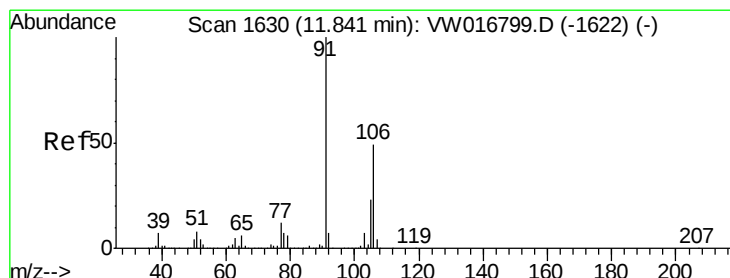
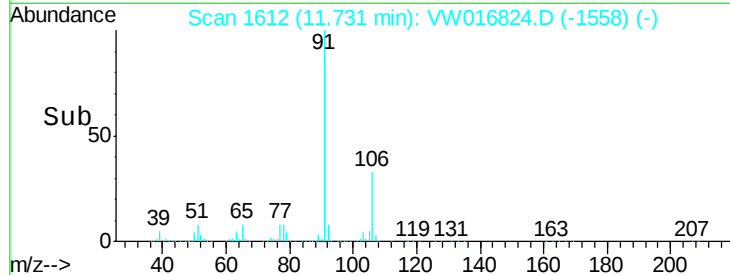
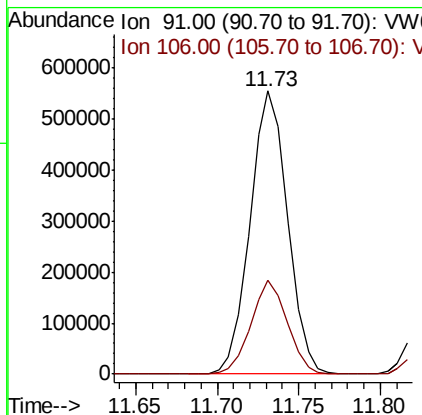
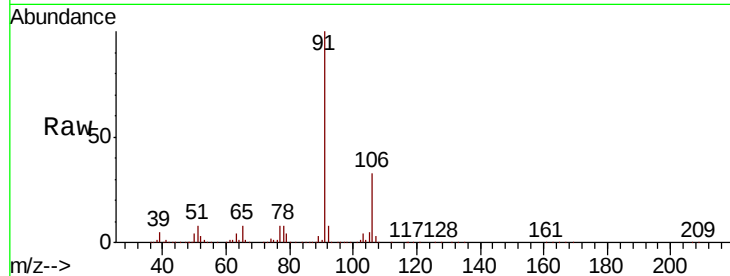




#53
Ethylbenzene
Concen: 24.453 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016824.D
Acq: 07 Oct 2020 09:59

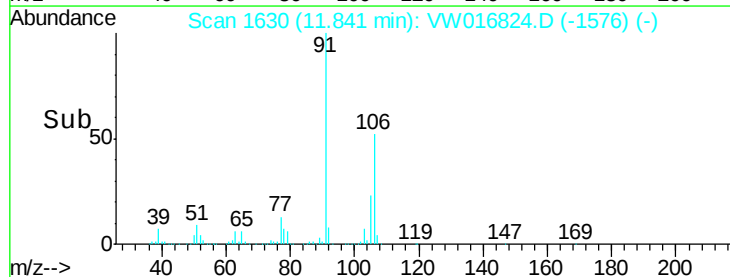
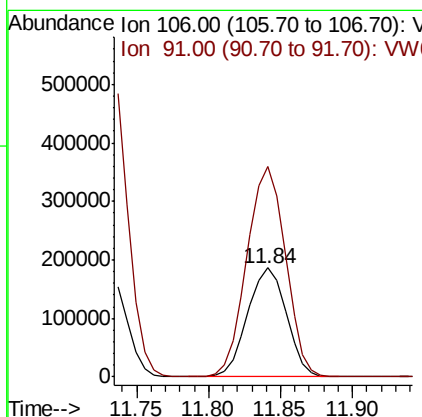
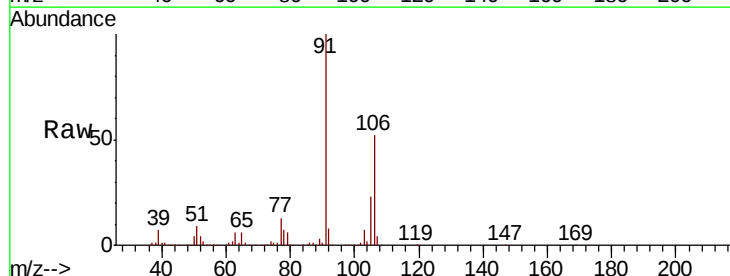
Instrument :
MSVOA_W
ClientSampleId :
BFB10

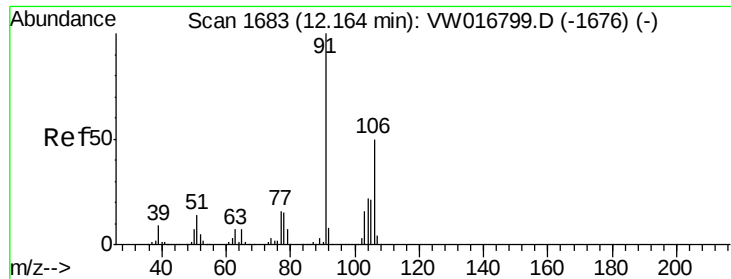
Tot Ion: 91 Resp: 884529
Ion Ratio Lower Upper
91 100
106 33.3 22.8 42.4



#54
m,p-Xylene
Concen: 24.737 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016824.D
Acq: 07 Oct 2020 09:59

Tgt Ion: 106 Resp: 348005
Ion Ratio Lower Upper
106 100
91 192.5 135.6 251.8

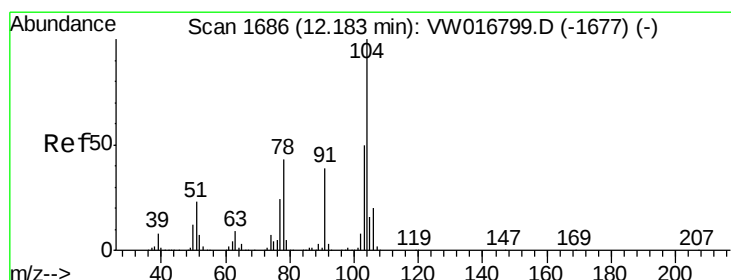
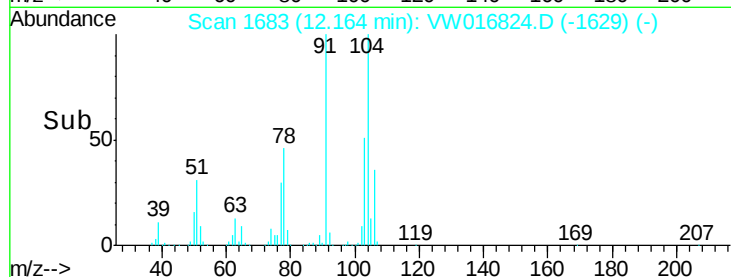
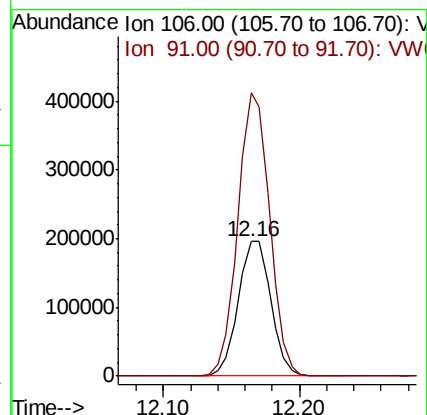
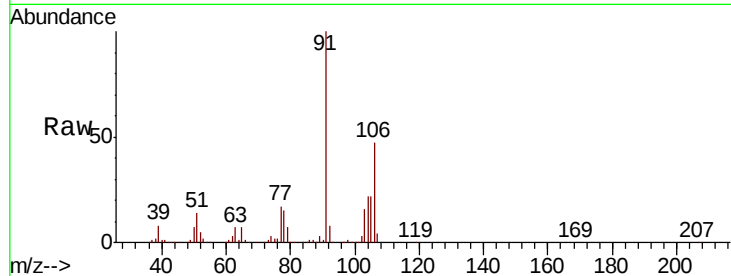




#55
o-xylene
Concen: 24.481 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW016824.D
Acq: 07 Oct 2020 09:59

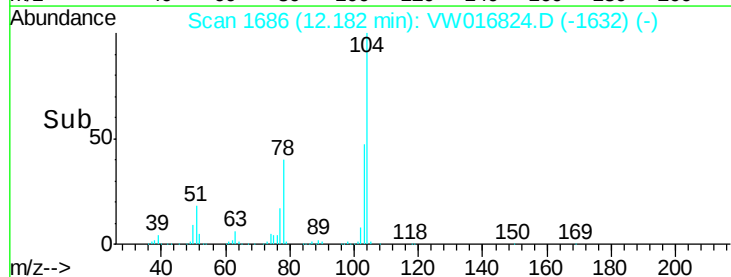
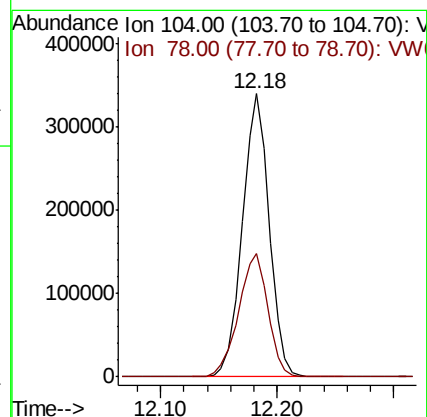
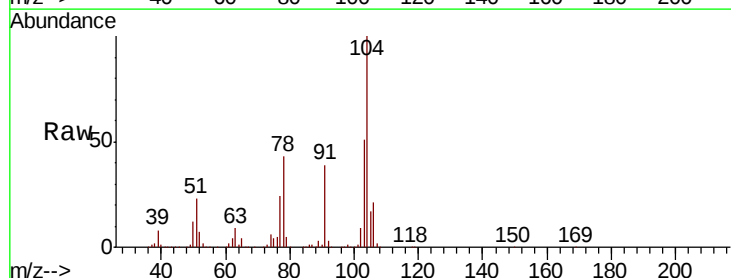
Instrument :
MSVOA_W
ClientSampled :
BFB10

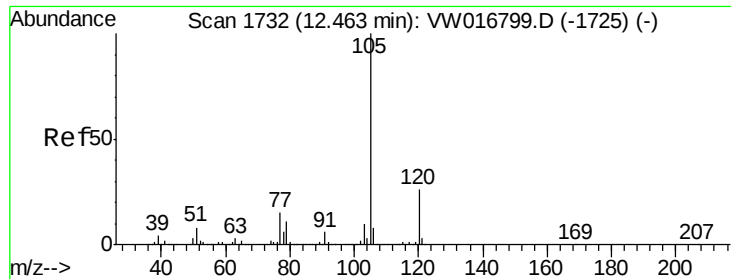
Tot Ion:106 Resp: 329064
Ion Ratio Lower Upper
106 100
91 210.6 142.6 264.8



#56
Styrene
Concen: 24.549 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016824.D
Acq: 07 Oct 2020 09:59

Tgt Ion:104 Resp: 544521
Ion Ratio Lower Upper
104 100
78 43.4 30.7 57.1





#57

Isopropylbenzene

Concen: 24.695 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

BFB10

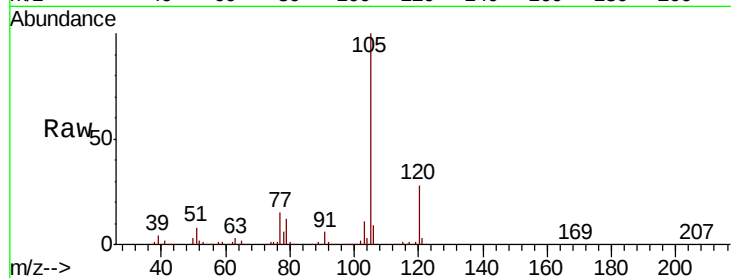
Tot Ion:105 Resp: 908969

Ion Ratio Lower Upper

105 100

120 27.6 21.5 32.3

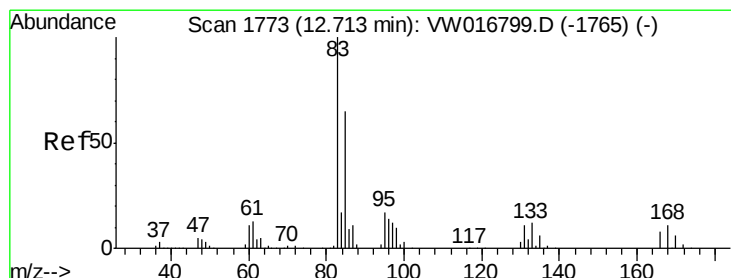
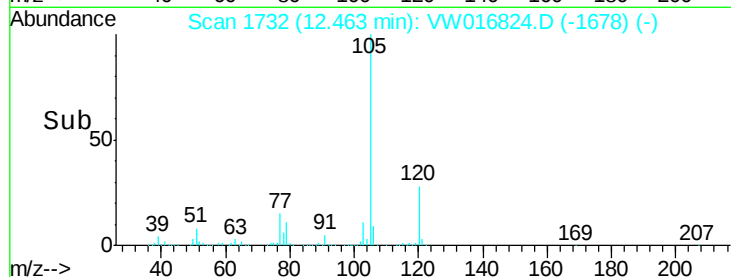
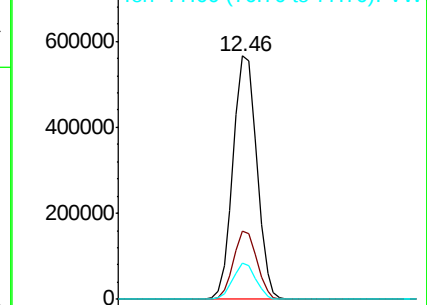
77 14.4 11.4 17.2



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: 22.717 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

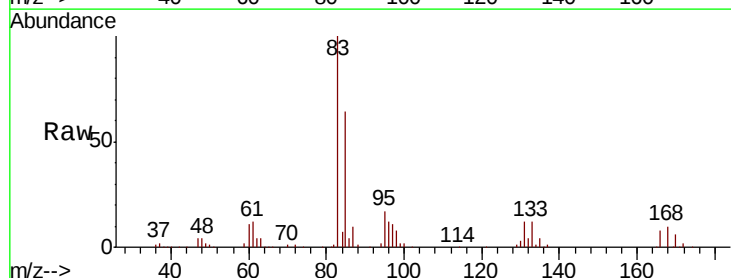
Tgt Ion: 83 Resp: 134143

Ion Ratio Lower Upper

83 100

85 64.4 43.3 80.5

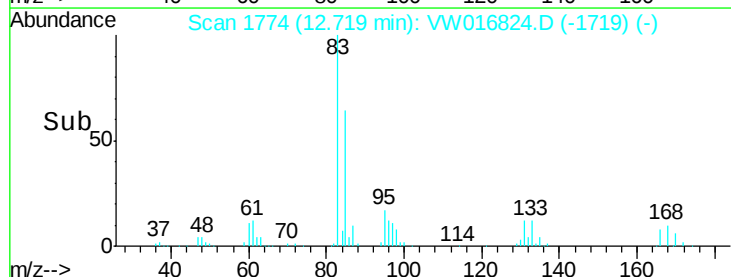
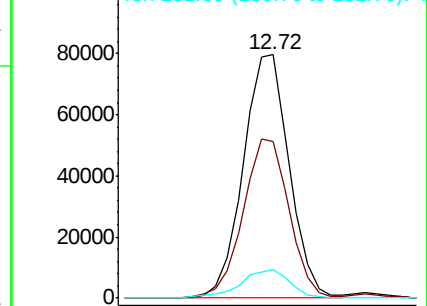
131 11.7 9.0 13.4

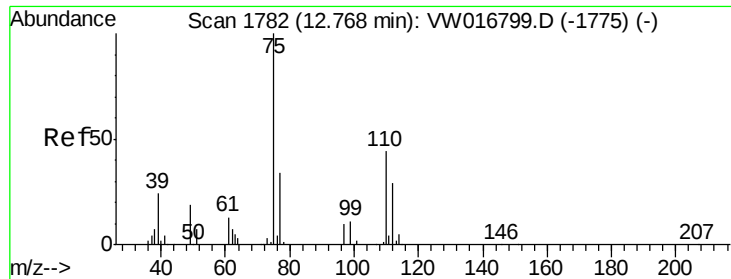


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.133 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

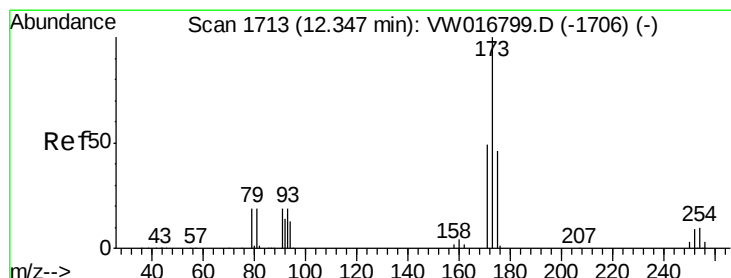
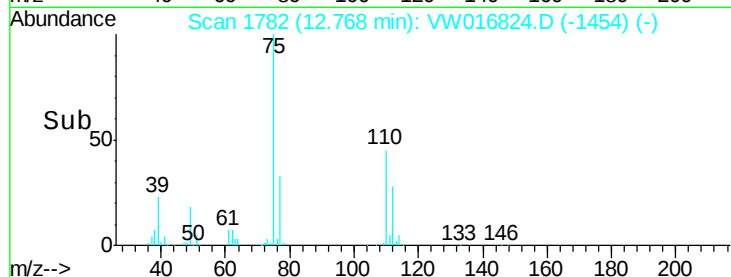
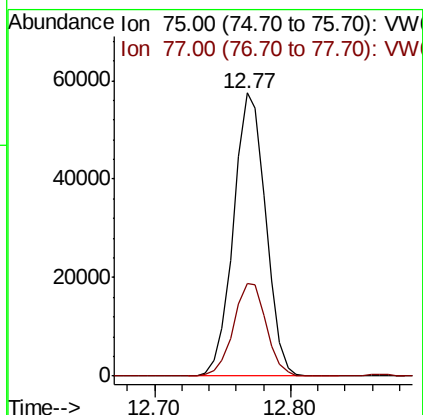
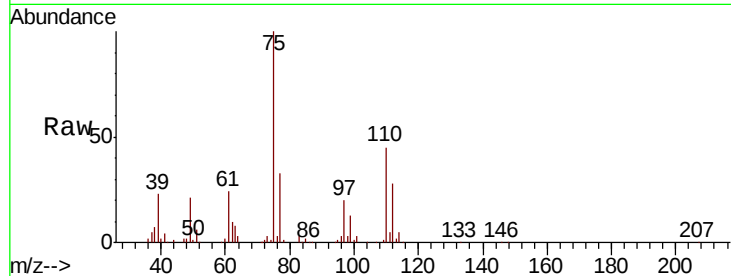
BFB10

Tot Ion: 75 Resp: 94679

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2



#62

Bromoform

Concen: 23.054 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

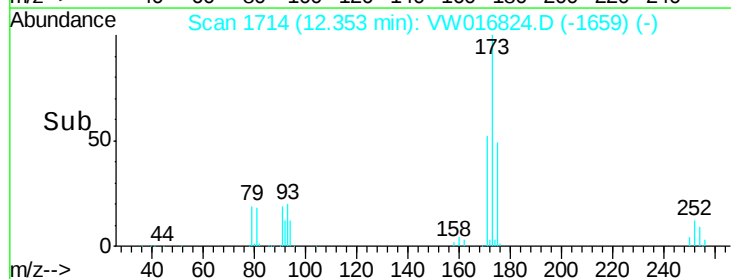
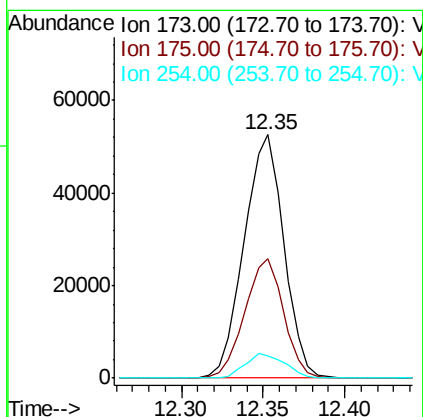
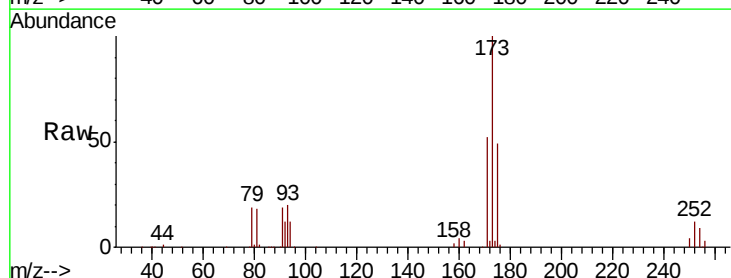
Tgt Ion: 173 Resp: 89549

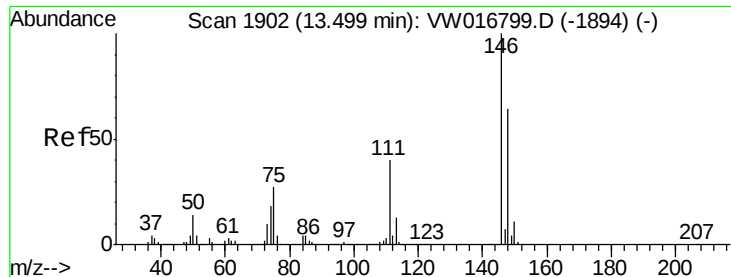
Ion Ratio Lower Upper

173 100

175 48.0 39.9 59.9

254 10.2 8.7 13.1

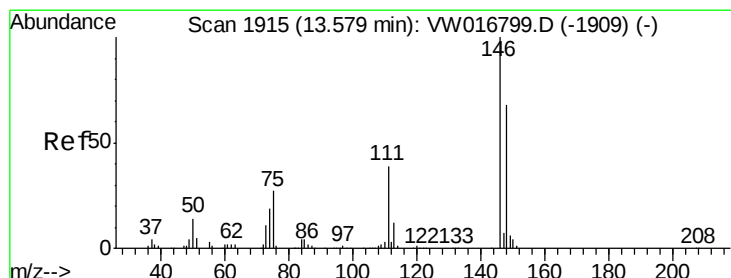
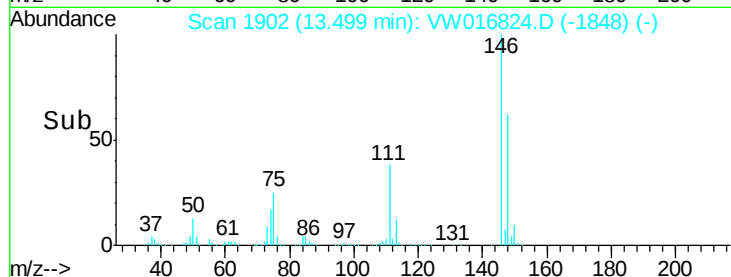
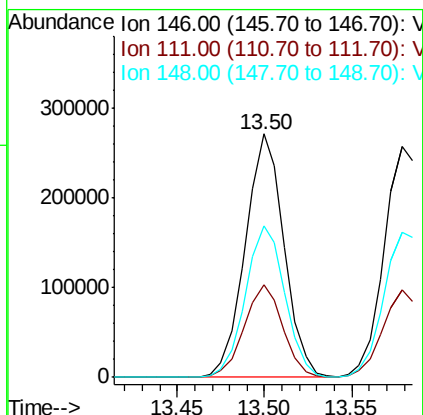
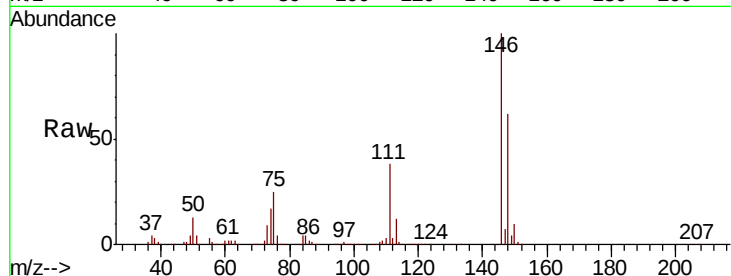




#63
 1,3-Dichlorobenzene
 Concen: 23.872 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

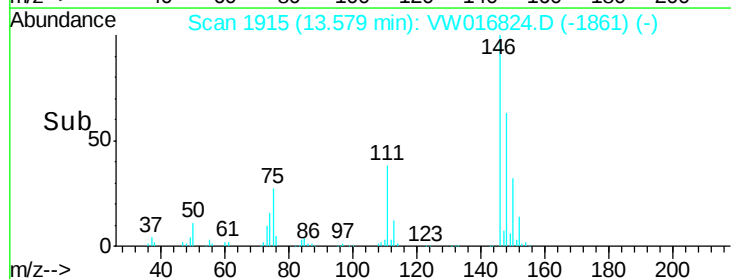
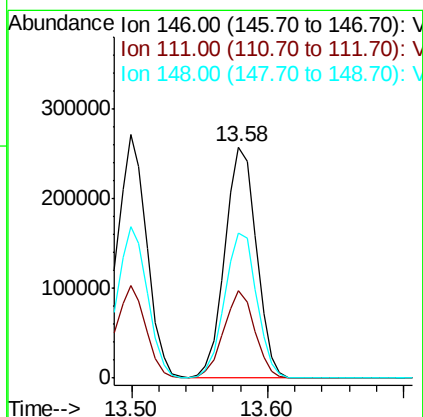
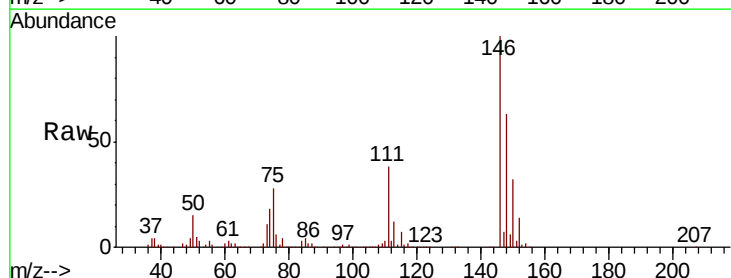
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

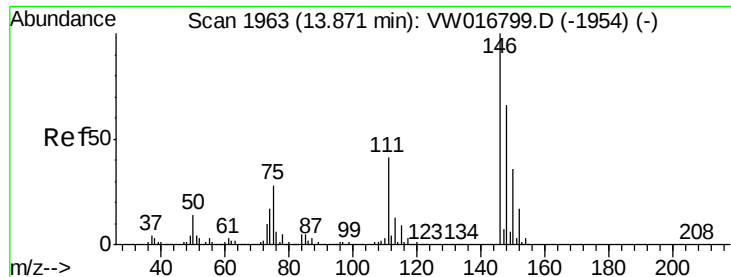
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.9	49.9
148	62.4	45.7	84.9



#64
 1,4-Dichlorobenzene
 Concen: 23.644 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.0	48.4
148	62.9	43.9	81.5

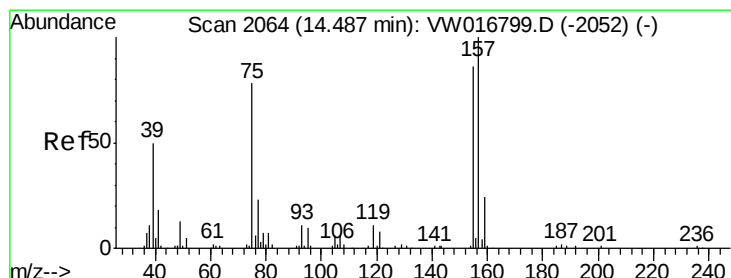
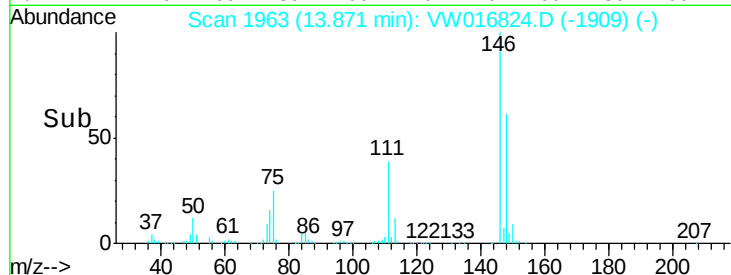
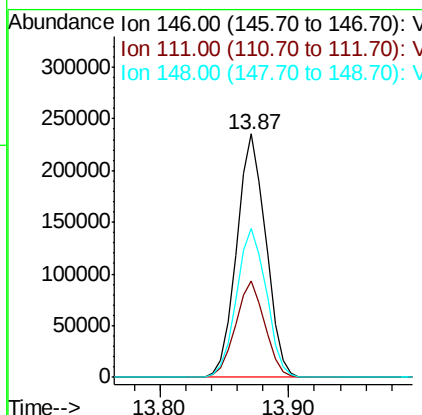
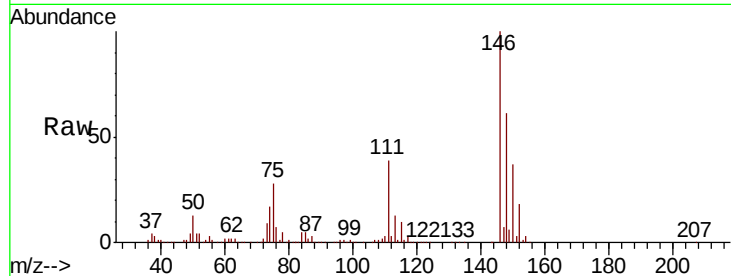




#65
 1,2-Dichlorobenzene
 Concen: 23.471 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

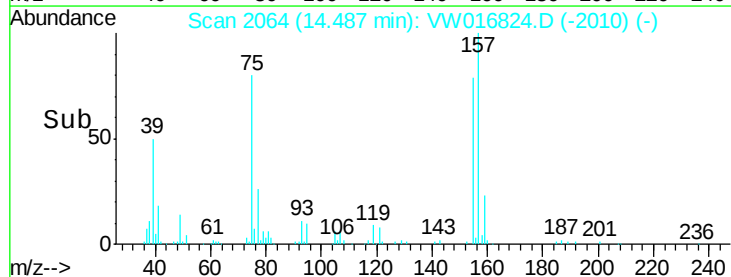
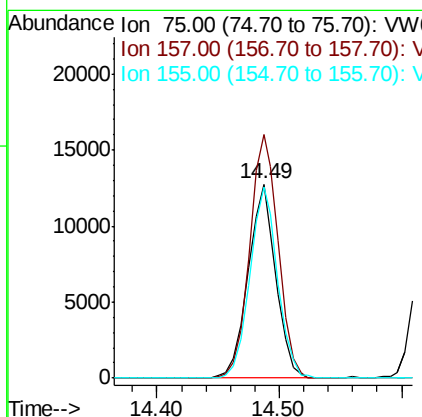
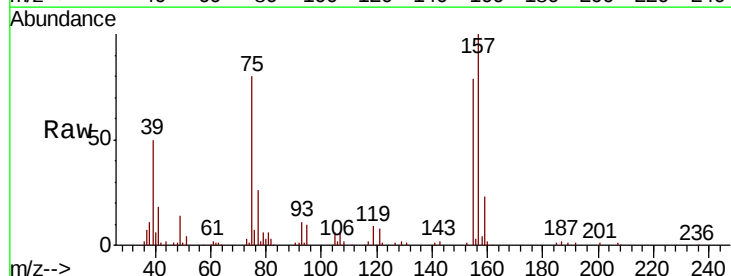
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

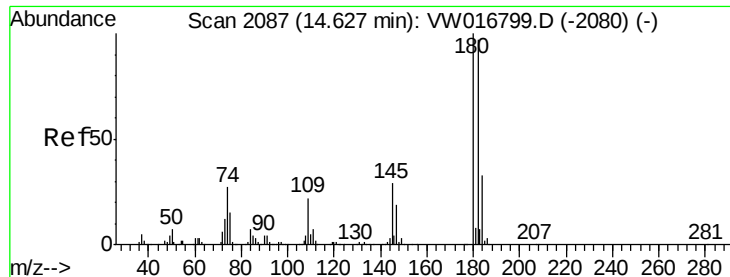
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.1	48.1
148	61.1	51.8	77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.026 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion	Ratio	Lower	Upper
75	100		
157	125.4	100.5	150.7
155	98.7	74.7	112.1

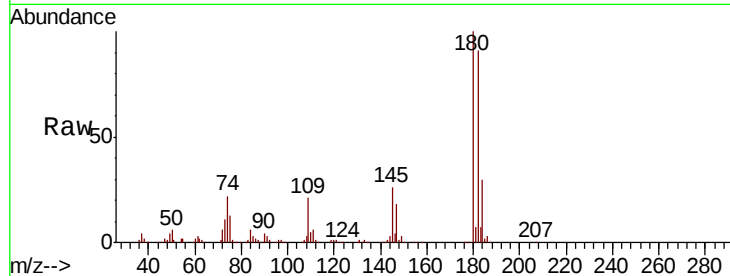




#67
 1,3,5-Trichlorobenzene
 Concen: 24.479 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB10

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	79.0	118.6
184	30.3	24.9	37.3
145	28.2	23.0	34.4



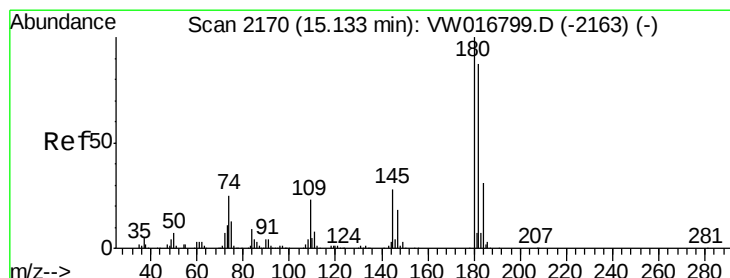
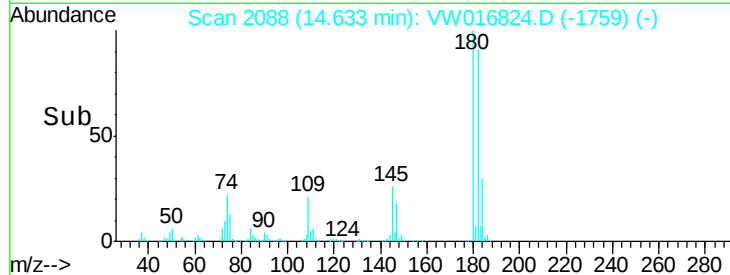
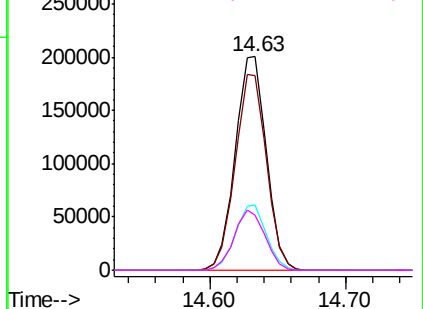
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

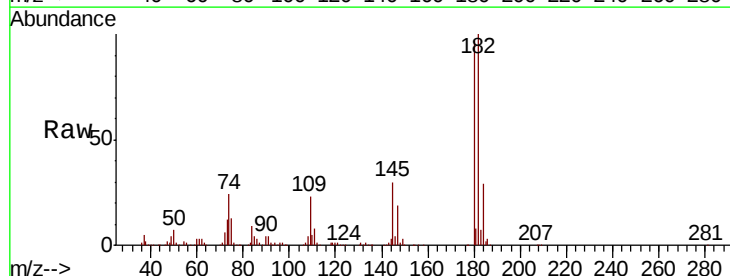
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.632 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016824.D
 Acq: 07 Oct 2020 09:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	74.2	111.2
145	29.5	23.4	35.0

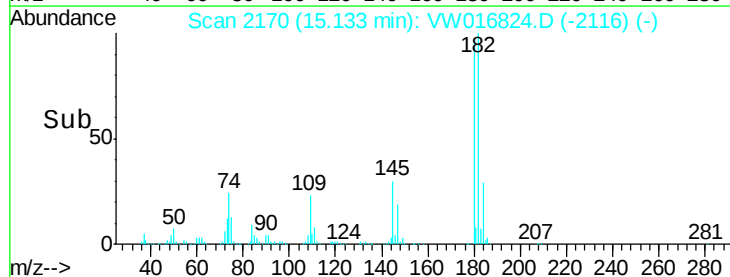
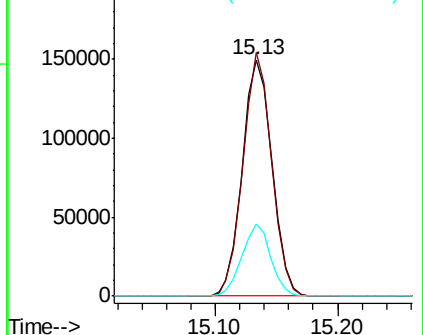


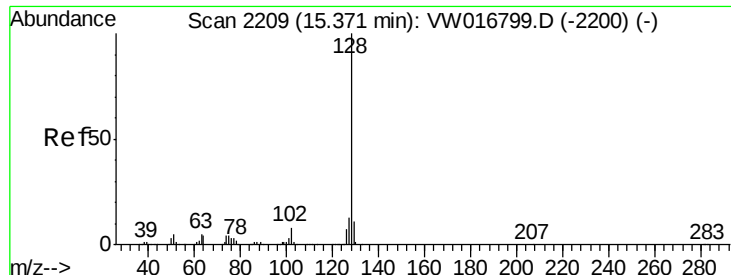
Abundance

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: 23.165 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

Instrument :

MSVOA_W

ClientSampleId :

BFB10

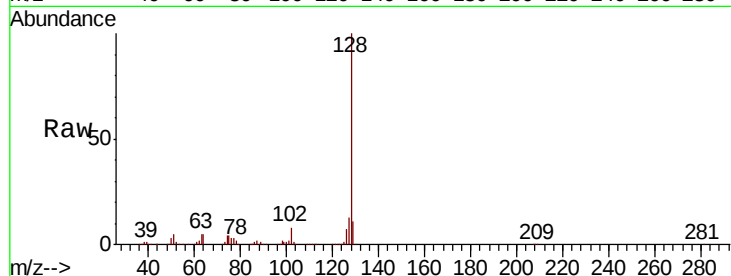
Tot Ion:128 Resp: 411561

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

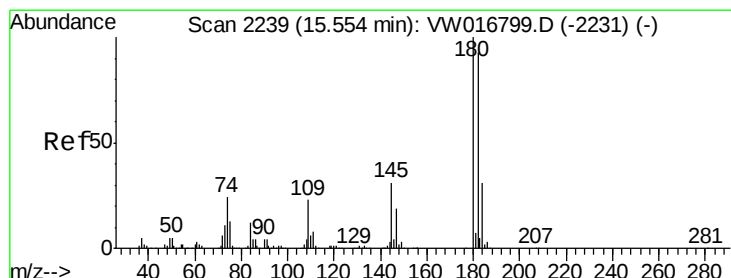
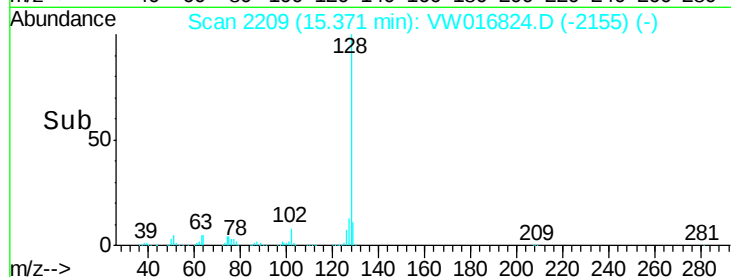
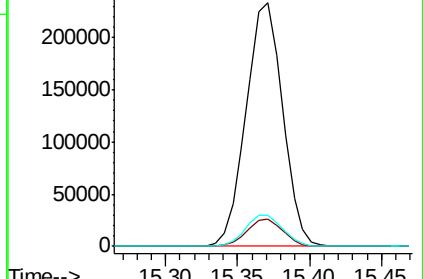
127 12.9 10.1 15.1



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: 23.713 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016824.D

Acq: 07 Oct 2020 09:59

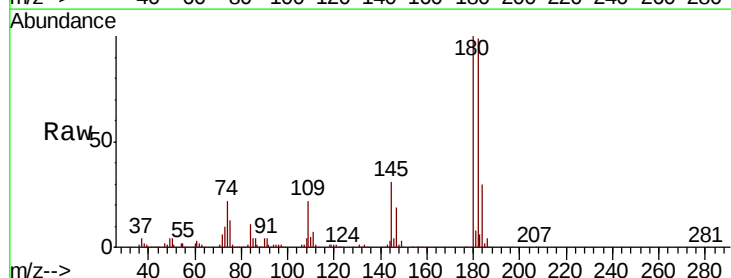
Tgt Ion:180 Resp: 218618

Ion Ratio Lower Upper

180 100

182 95.4 74.1 111.1

145 30.9 24.8 37.2



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

