

Data File : VW015054.D
Acq On : 27 Feb 2020 09:39
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB11

Quant Time: Feb 28 03:55:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 15:22:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	731918	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	683582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	303820	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	387153	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.56%
7) Chloroethane-d5	2.89	69	291359	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.32%
10) 1,1-Dichloroethene-d2	4.02	63	664858	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.36%
20) 2-Butanone-d5	7.07	46	169333	55.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.68%
24) Chloroform-d	7.65	84	576685	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.31	65	334283	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.36%
29) Benzene-d6	8.27	84	1147096	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	383793	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	10.32	98	986193	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
38) trans-1,3-Dichloropropene-	10.57	79	143319	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.64%
39) 2-Hexanone-d5	10.92	63	119287	57.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	265949	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	255456	22.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	163088	26.114 ug/L	98
3) Chloromethane	2.21	50	343561	23.998 ug/L	99
5) Vinyl chloride	2.37	62	451944	24.399 ug/L	99
6) Bromomethane	2.78	94	203001	24.412 ug/L	98
8) Chloroethane	2.93	64	249582	24.763 ug/L	96
9) Trichlorofluoromethane	3.26	101	226649	27.150 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	301588	26.231 ug/L	99
12) 1,1-Dichloroethene	4.04	96	279569	25.540 ug/L	83
13) Acetone	4.12	43	244342	67.509 ug/L	100
14) Carbon disulfide	4.39	76	1015834	24.799 ug/L	100
15) Methyl Acetate	4.67	43	180189	29.566 ug/L #	81
16) Methylene chloride	4.91	84	324850	23.979 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	357213	26.960 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	292504	25.864 ug/L	96
19) 1,1-Dichloroethane	6.21	63	665798	26.396 ug/L	99
21) 2-Butanone	7.17	43	269397	63.296 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	304928	26.494 ug/L	97

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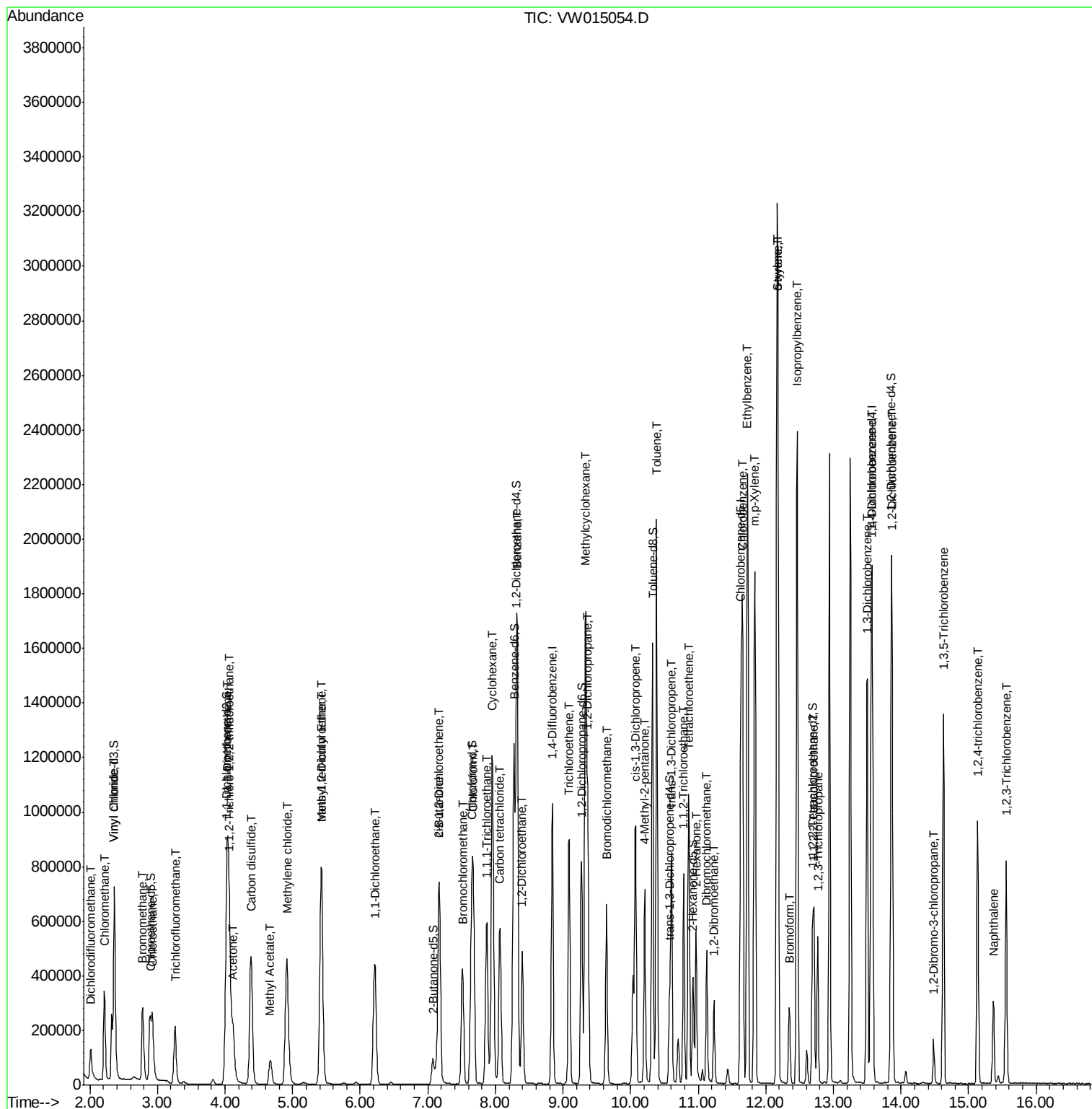
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	118460	26.459	ug/L	94
25) Chloroform	7.67	83	596227	26.047	ug/L	99
27) 1,2-Dichloroethane	8.40	62	436622	27.878	ug/L	100
30) Cyclohexane	7.95	56	647099	28.313	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	457783	25.967	ug/L	99
32) Carbon tetrachloride	8.07	117	407146	25.772	ug/L	100
34) Benzene	8.32	78	1398829	27.509	ug/L	100
35) Trichloroethene	9.09	95	322596	26.226	ug/L	100
36) Methylcyclohexane	9.34	83	598912	28.355	ug/L	100
40) 1,2-Dichloropropane	9.37	63	385347	27.285	ug/L	100
41) Bromodichloromethane	9.64	83	427464	26.983	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	510530	27.741	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	492093	62.297	ug/L	99
44) Toluene	10.38	91	1395812	28.264	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	423186	28.451	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	223683	28.145	ug/L	98
47) Tetrachloroethene	10.86	164	206108	25.999	ug/L	96
49) 2-Hexanone	10.97	43	385297	67.281	ug/L	99
50) Dibromochloromethane	11.13	129	230329	27.233	ug/L	100
51) 1,2-Dibromoethane	11.23	107	197430	28.504	ug/L	94
52) Chlorobenzene	11.66	112	769834	26.503	ug/L	97
53) Ethylbenzene	11.73	91	1519913	28.173	ug/L	99
54) m,p-Xylene	11.84	106	538964	28.554	ug/L	97
55) o-xylene	12.16	106	500032	28.431	ug/L	98
56) Styrene	12.18	104	879603	29.200	ug/L	97
57) Isopropylbenzene	12.46	105	1381741	28.848	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	284130	28.335	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	218469	28.346	ug/L	99
62) Bromoform	12.35	173	114874	26.900	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	530097	26.745	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	530987	26.020	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	479464	26.710	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	43998	27.764	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	341343	25.682	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	254578	26.208	ug/L	99
69) Naphthalene	15.36	128	234584	27.203	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	237566	27.248	ug/L	99

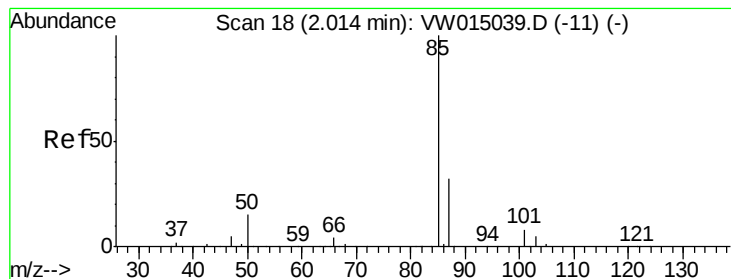
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.114 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

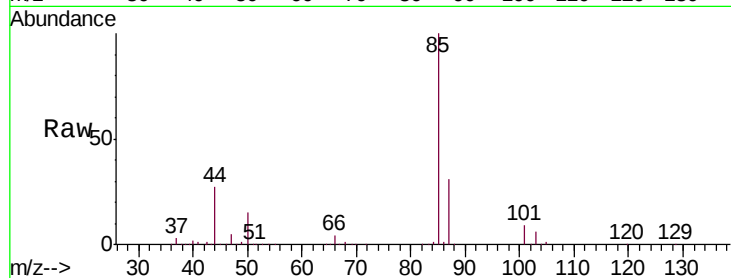
BFB11

Tgt Ion: 85 Resp: 163088

Ion Ratio Lower Upper

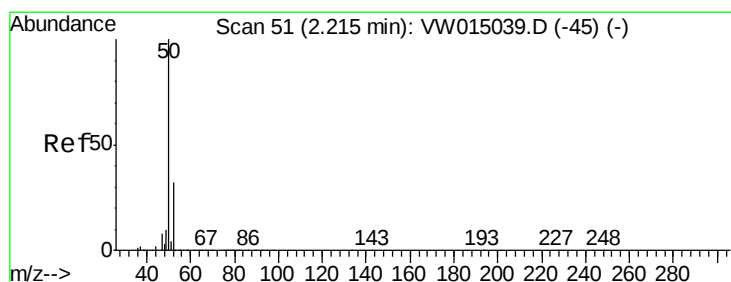
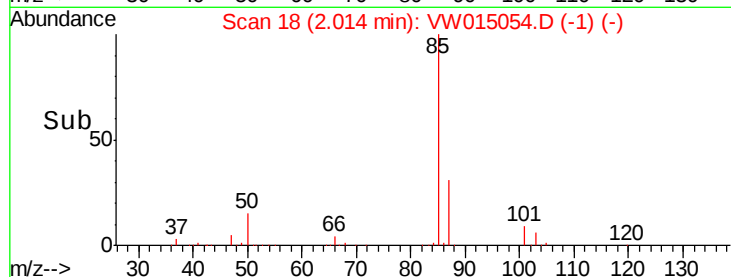
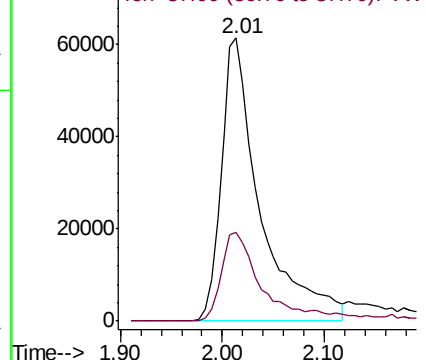
85 100

87 30.2 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.998 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015054.D

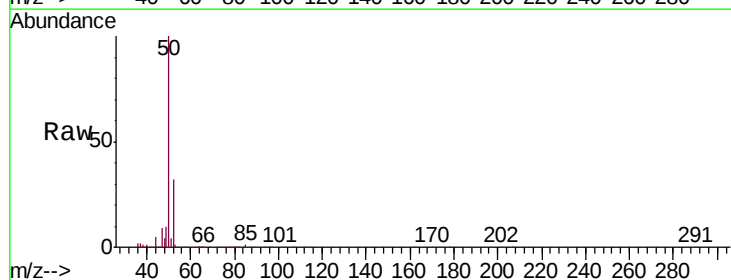
Acq: 27 Feb 2020 09:39

Tgt Ion: 50 Resp: 343561

Ion Ratio Lower Upper

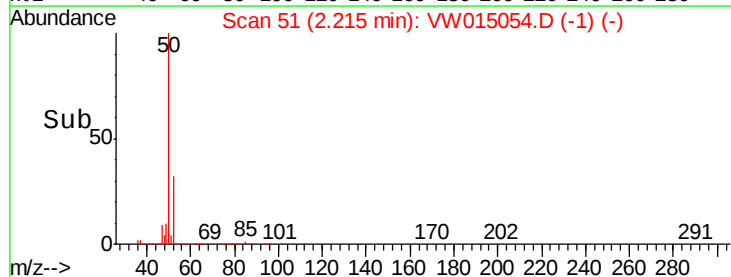
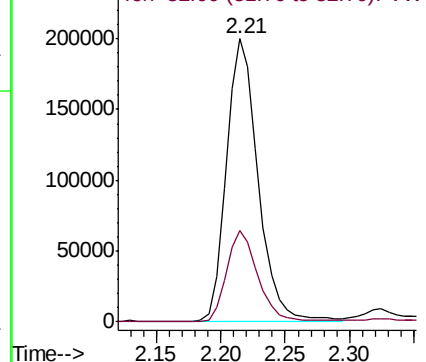
50 100

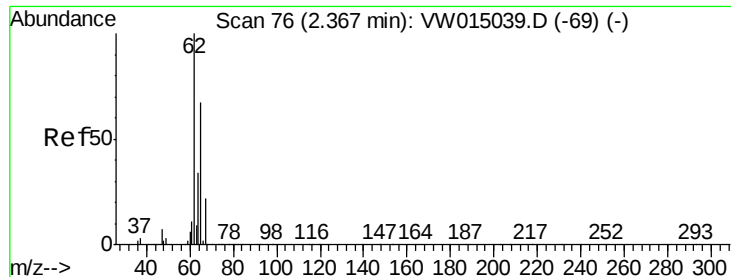
52 32.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.399 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampled :

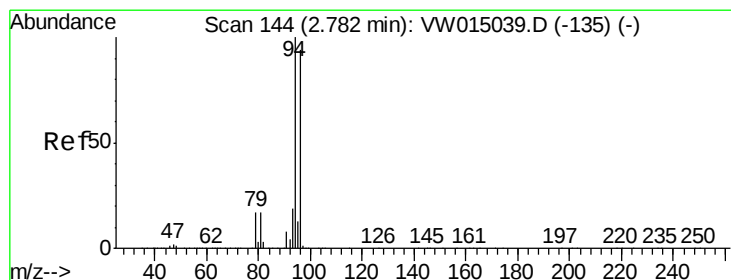
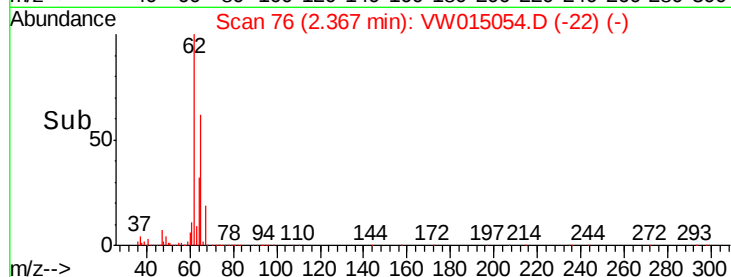
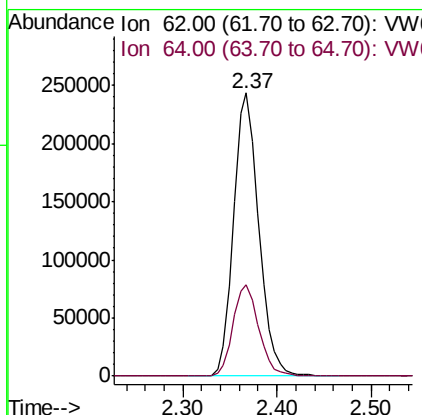
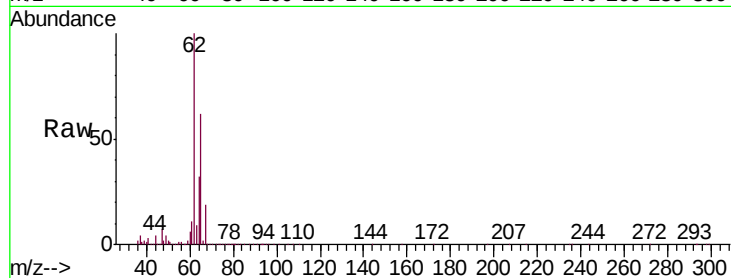
BFB11

Tgt Ion: 62 Resp: 451944

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



#6

Bromomethane

Concen: 24.412 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015054.D

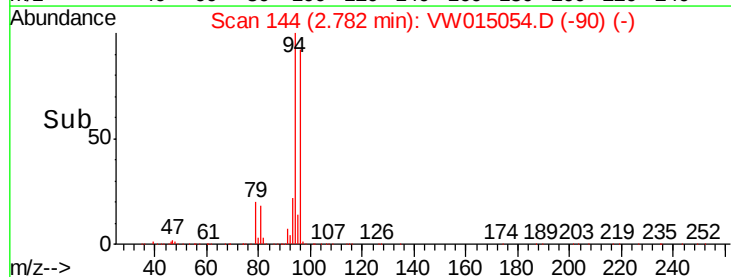
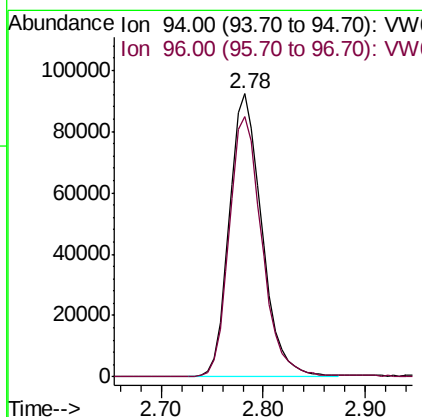
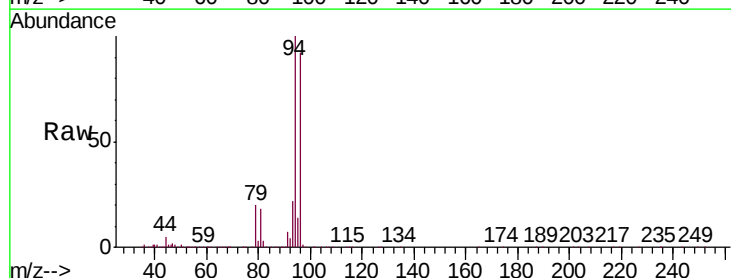
Acq: 27 Feb 2020 09:39

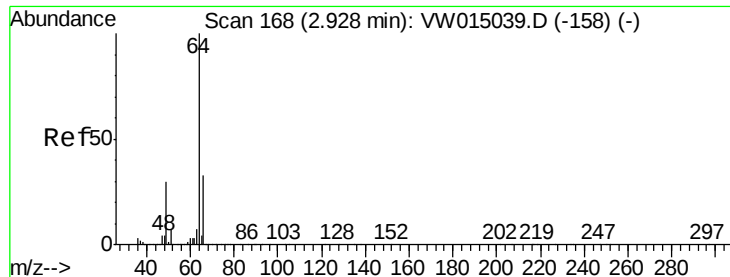
Tgt Ion: 94 Resp: 203001

Ion Ratio Lower Upper

94 100

96 92.4 9.5 179.7





#8

Chloroethane

Concen: 24.763 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

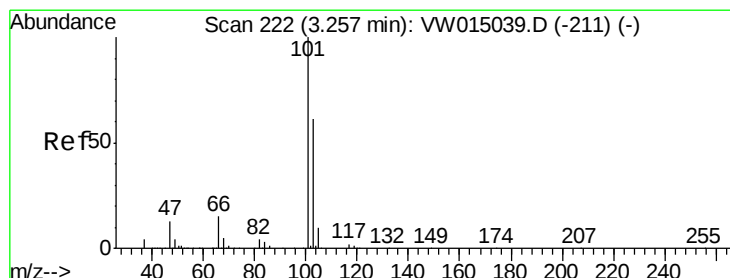
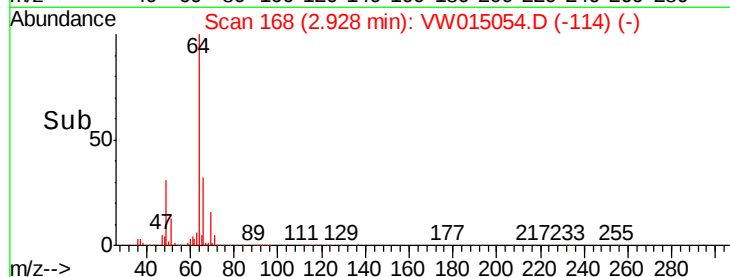
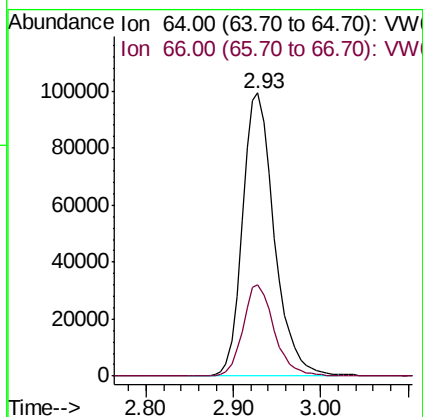
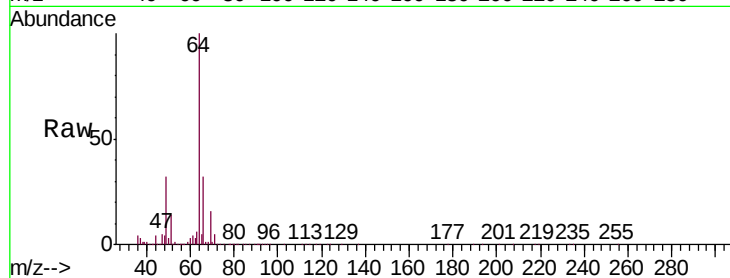
BFB11

Tgt Ion: 64 Resp: 249582

Ion Ratio Lower Upper

64 100

66 32.4 21.2 39.4



#9

Trichlorofluoromethane

Concen: 27.150 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015054.D

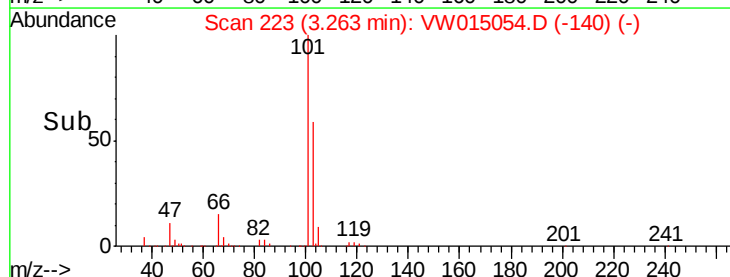
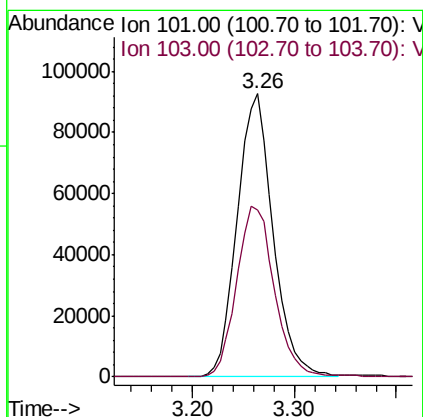
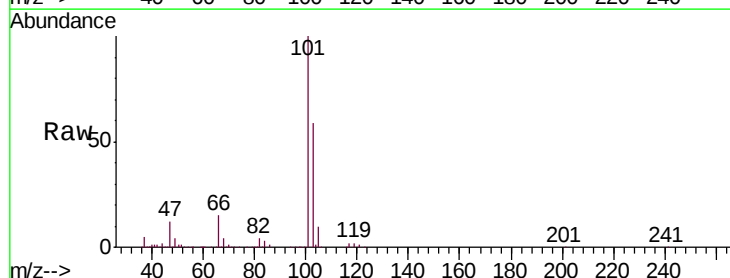
Acq: 27 Feb 2020 09:39

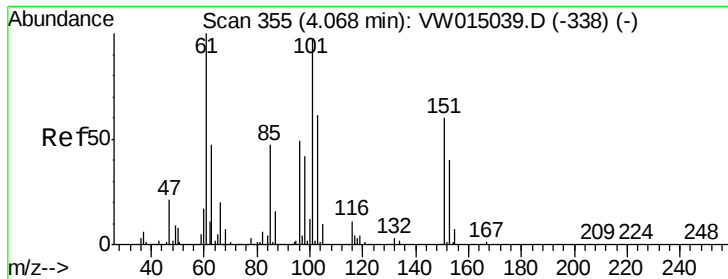
Tgt Ion: 101 Resp: 226649

Ion Ratio Lower Upper

101 100

103 63.2 44.9 83.5





#11

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

Concen: 26.231 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampled :

BFB11

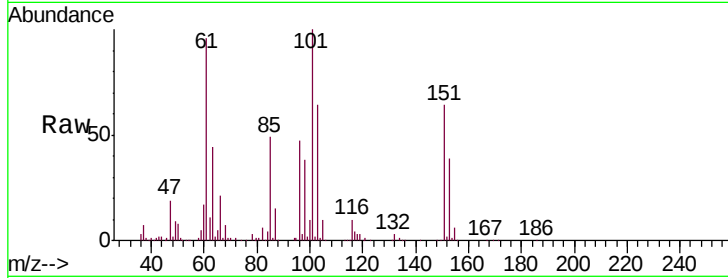
Tgt Ion: 101 Resp: 301588

Ion Ratio Lower Upper

101 100

85 46.4 37.8 56.8

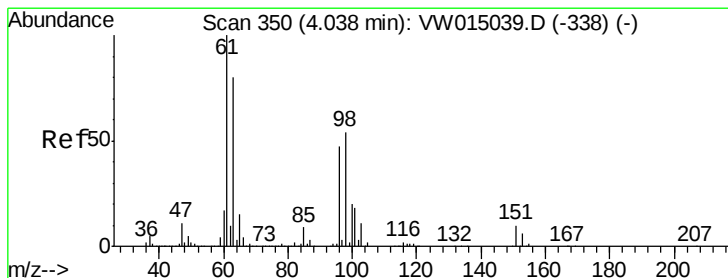
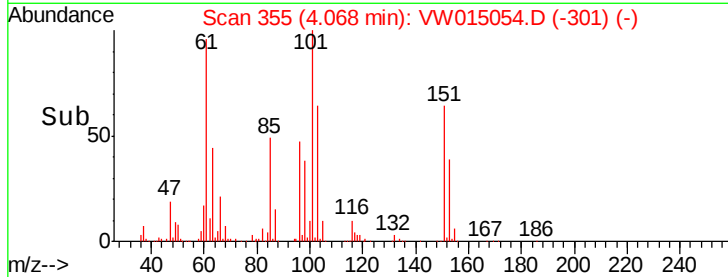
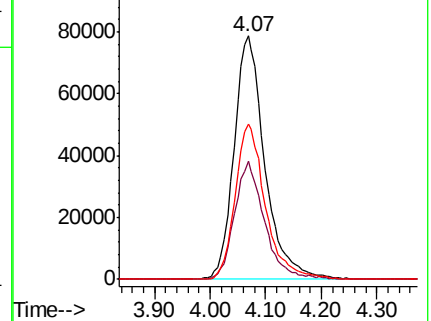
151 62.2 50.3 75.5



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: 25.540 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

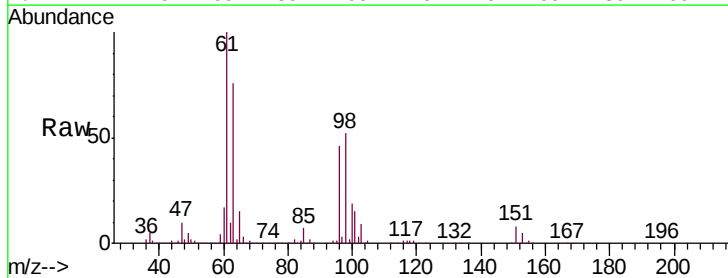
Tgt Ion: 96 Resp: 279569

Ion Ratio Lower Upper

96 100

61 215.3 138.5 257.1

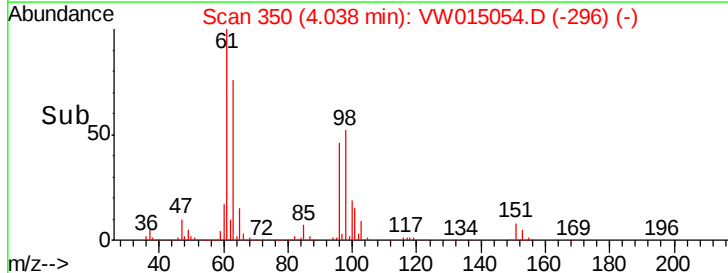
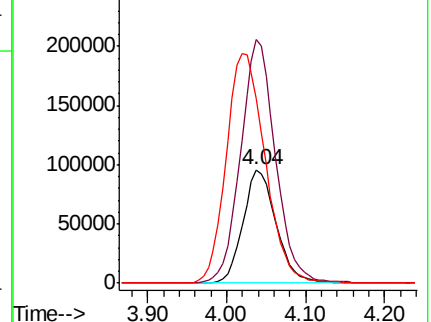
63 163.6 93.4 173.6

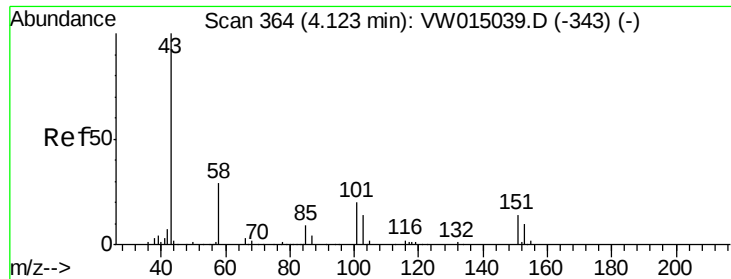


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 67.509 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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ClientSampleId :

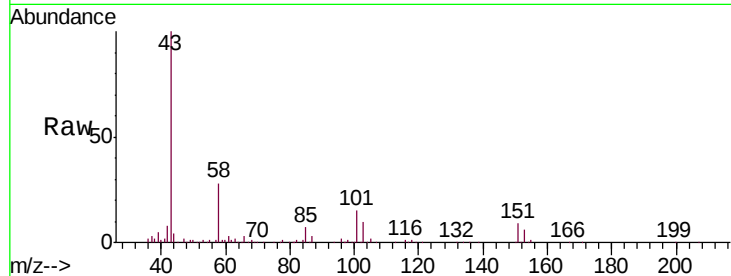
BFB11

Tgt Ion: 43 Resp: 244342

Ion Ratio Lower Upper

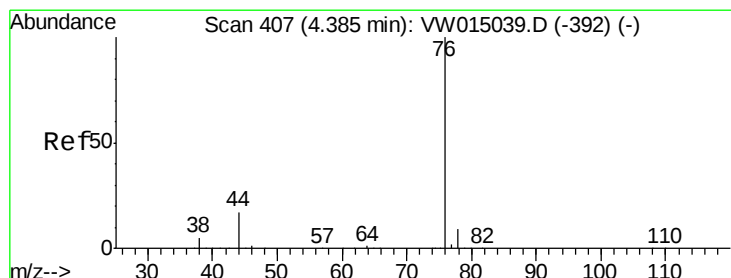
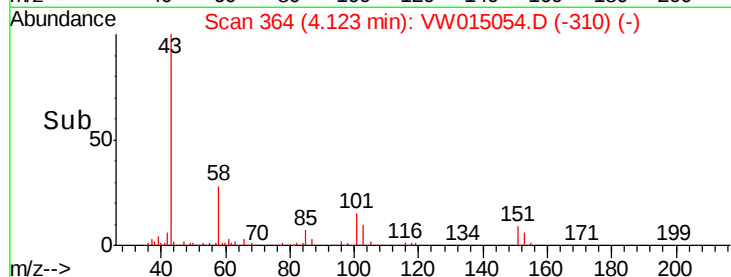
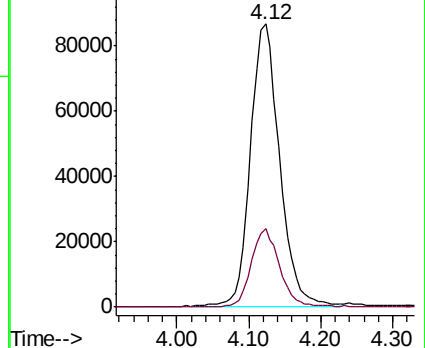
43 100

58 26.8 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.799 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

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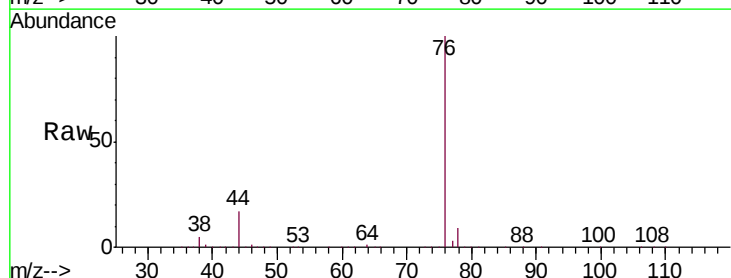
Acq: 27 Feb 2020 09:39

Tgt Ion: 76 Resp: 1015834

Ion Ratio Lower Upper

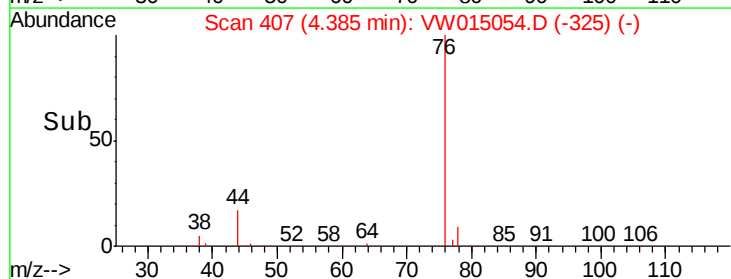
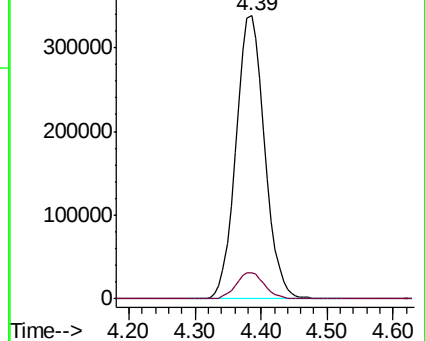
76 100

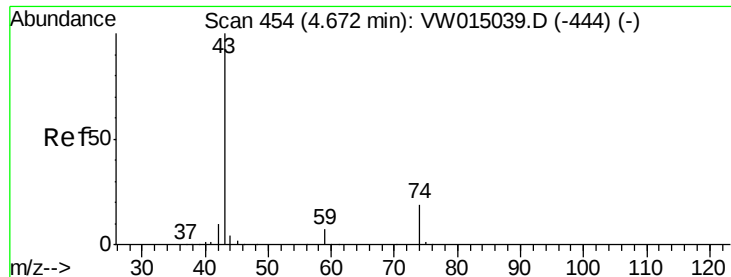
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 29.566 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

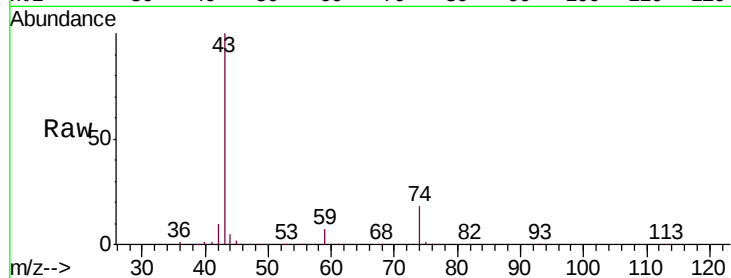
BFB11

Tgt Ion: 43 Resp: 180189

Ion Ratio Lower Upper

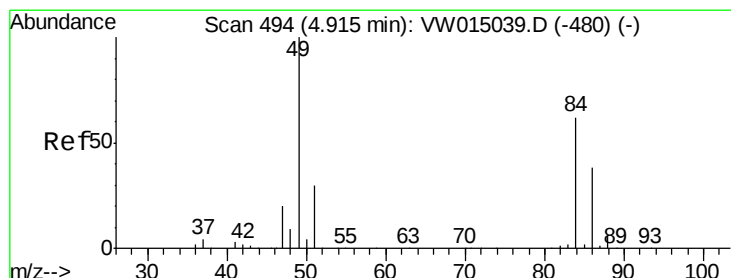
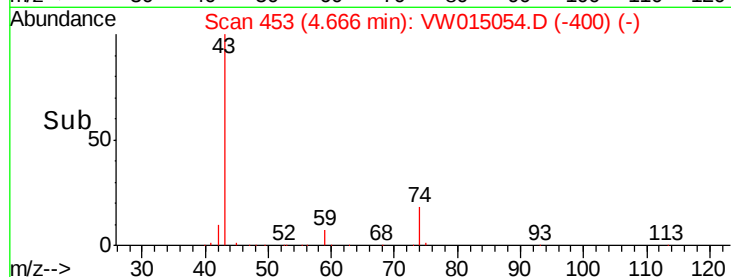
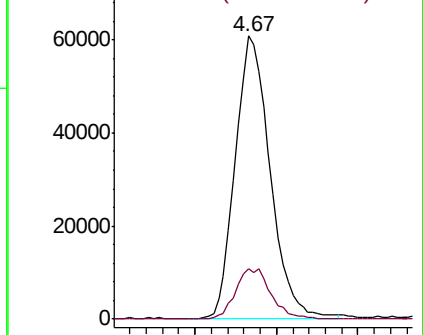
43 100

74 9.9 14.5 21.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.979 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

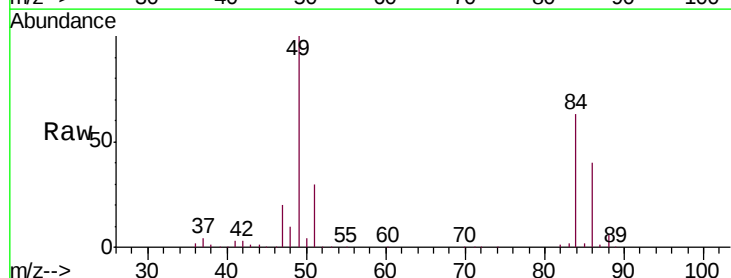
Tgt Ion: 84 Resp: 324850

Ion Ratio Lower Upper

84 100

49 159.0 115.6 214.8

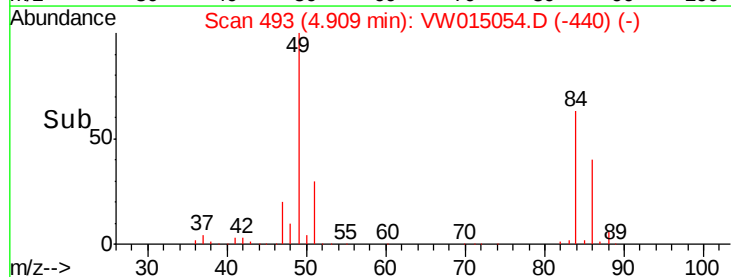
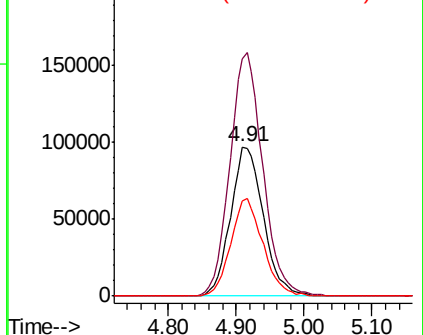
86 63.9 45.9 85.3

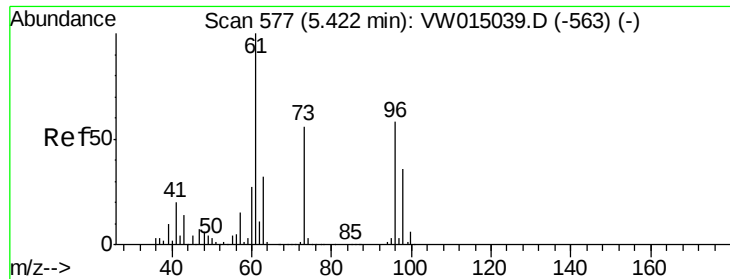


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

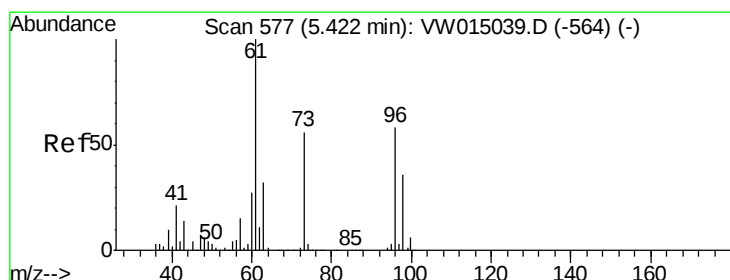
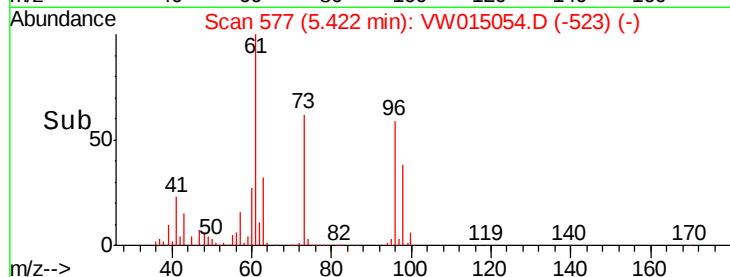
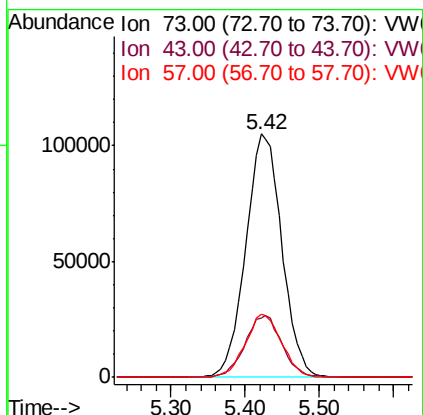
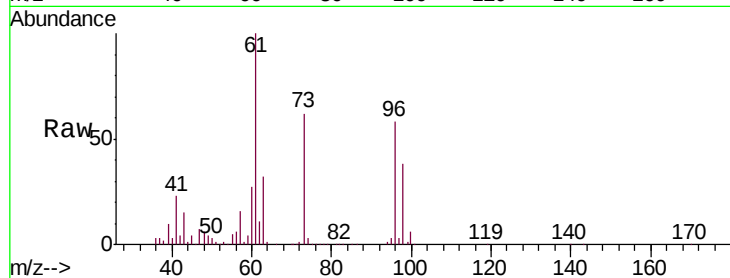




#17
Methyl tert-butyl Ether
Concen: 26.960 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

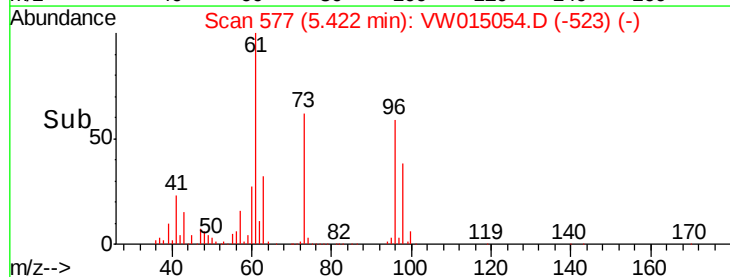
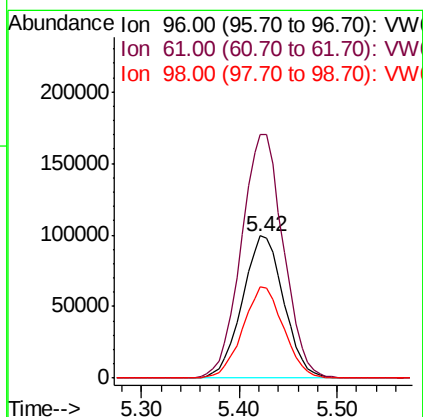
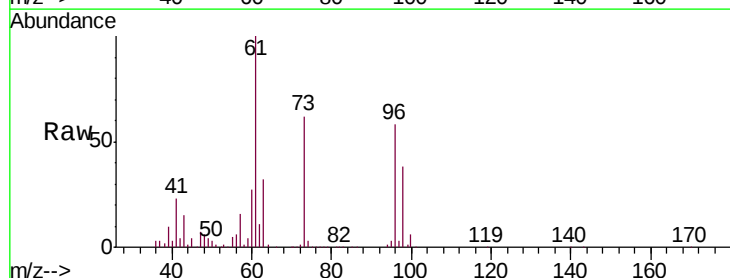
Instrument :
MSVOA_W
ClientSampleId :
BFB11

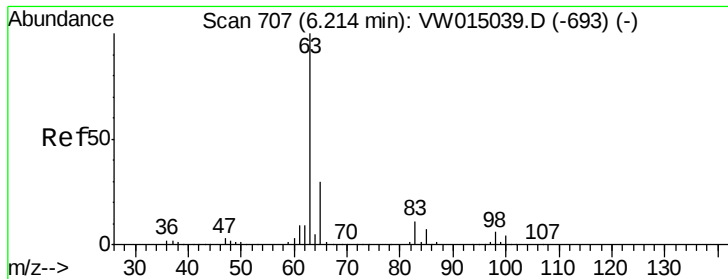
Tgt Ion: 73 Resp: 357213
Ion Ratio Lower Upper
73 100
43 25.5 19.7 29.5
57 25.9 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 25.864 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

Tgt Ion: 96 Resp: 292504
Ion Ratio Lower Upper
96 100
61 171.0 115.1 213.8
98 64.5 44.0 81.6

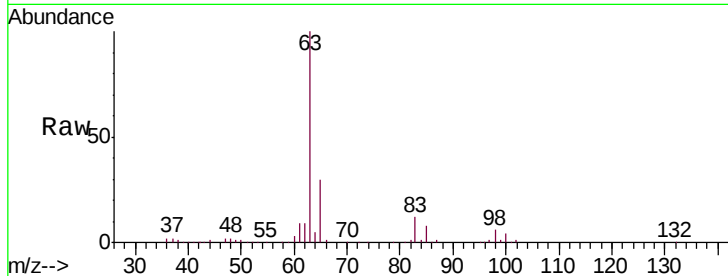




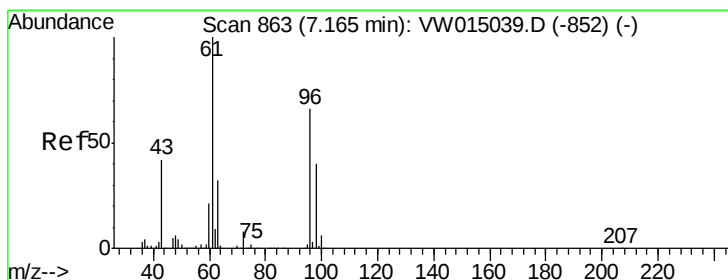
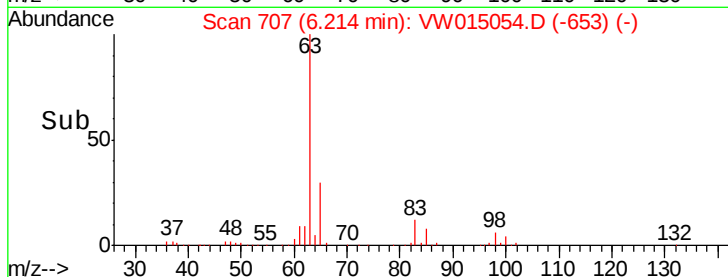
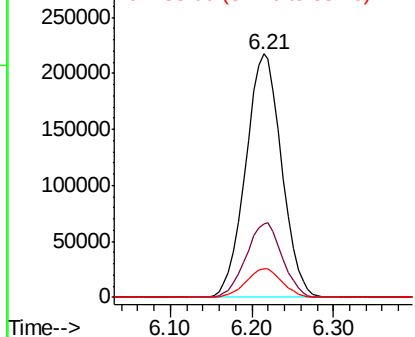
#19
 1,1-Dichloroethane
 Concen: 26.396 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Instrument :
 MSVOA_W
 ClientSampled :
 BFB11

Tgt Ion: 63 Resp: 665798
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.9 40.7
 83 11.5 7.8 14.6

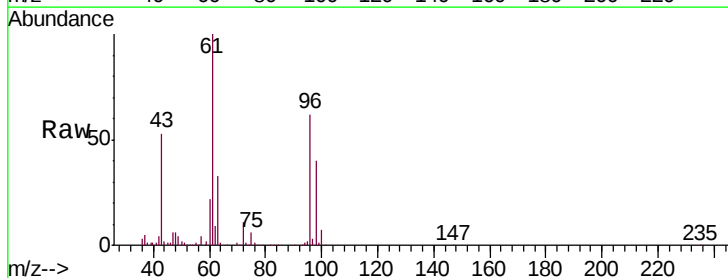


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

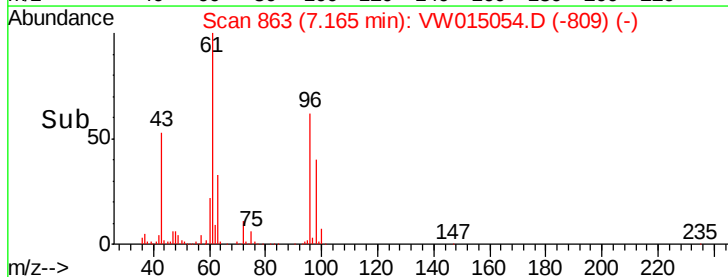
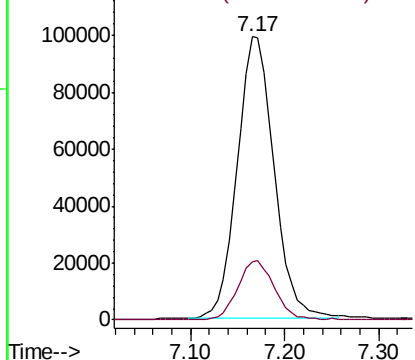


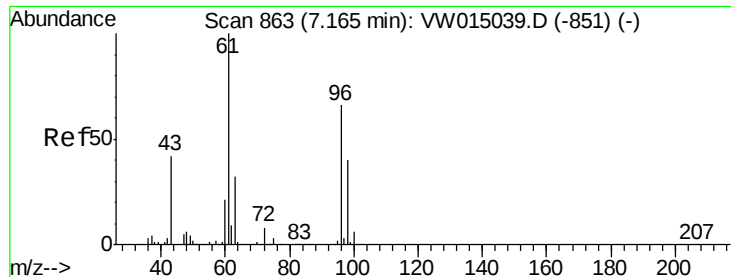
#21
 2-Butanone
 Concen: 63.296 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion: 43 Resp: 269397
 Ion Ratio Lower Upper
 43 100
 72 21.0 10.4 31.4



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



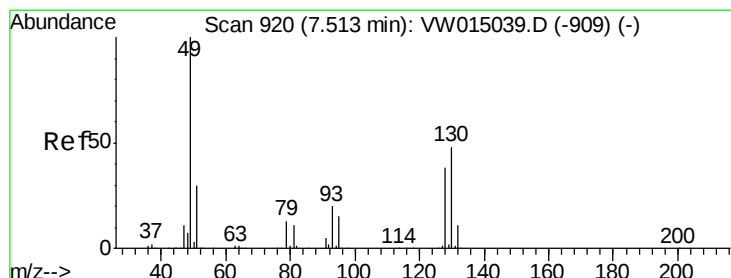
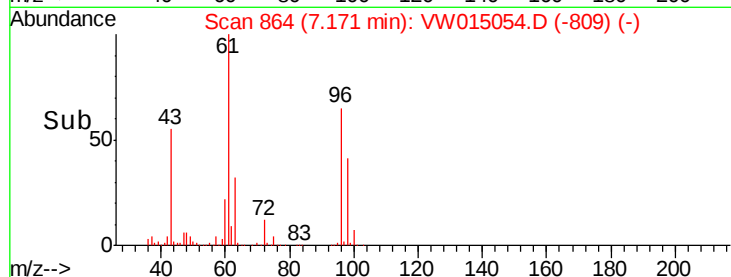
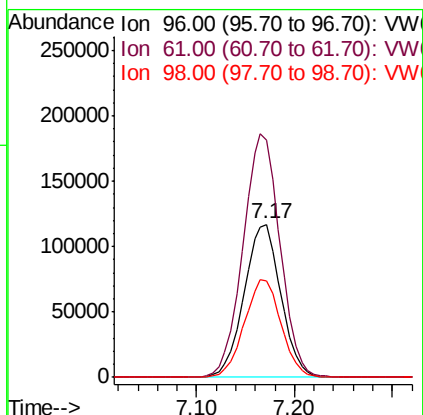
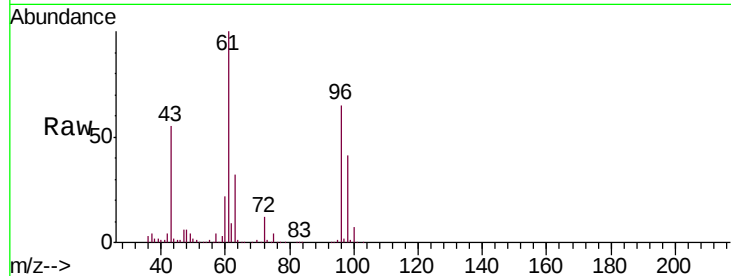


#22

cis-1,2-Dichloroethene
Concen: 26.494 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

Instrument :
MSVOA_W
ClientSampleId :
BFB11

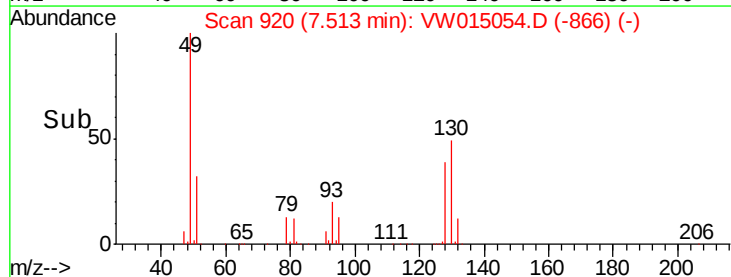
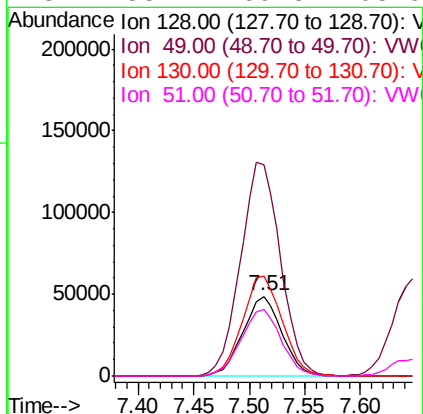
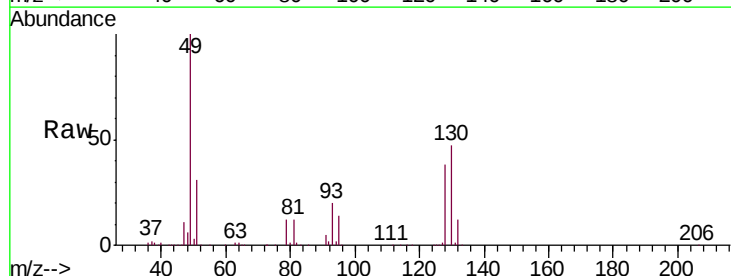
Tgt Ion	Resp	Lower	Upper
96	304928		
61	154.5	105.2	195.4
98	62.8	42.6	79.2

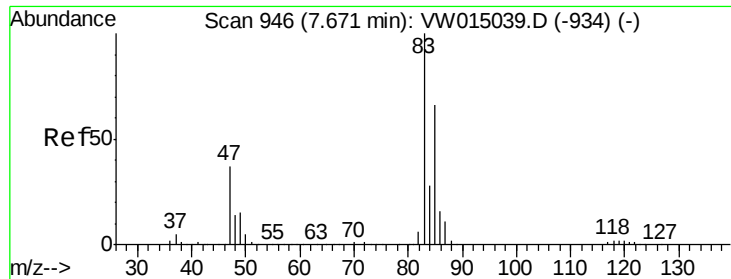


#23

Bromochloromethane
Concen: 26.459 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

Tgt Ion	Resp	Lower	Upper
128	118460		
49	264.4	192.7	357.9
130	125.3	92.7	172.1
51	83.2	69.3	103.9

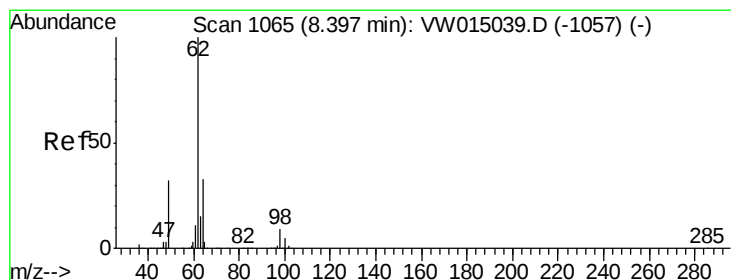
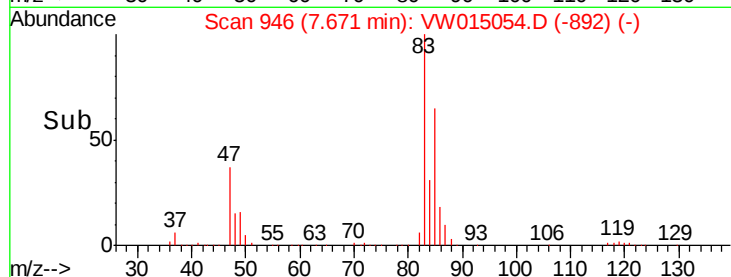
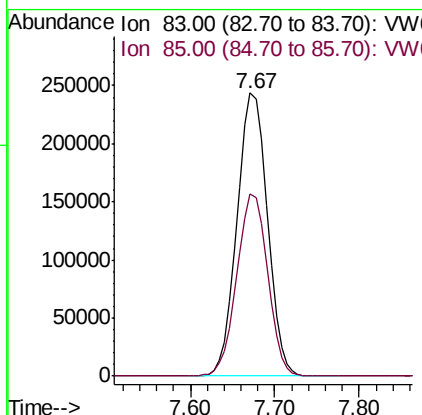
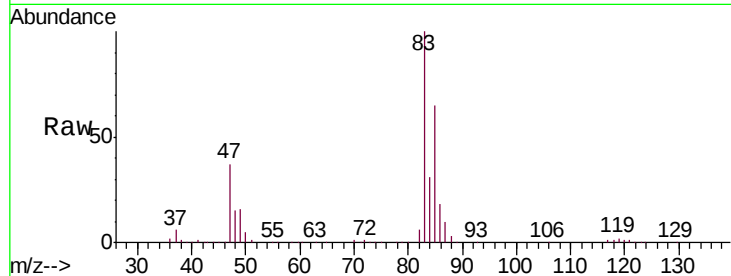




#25
Chloroform
Concen: 26.047 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

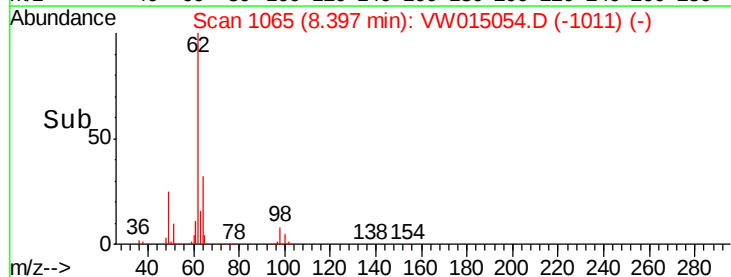
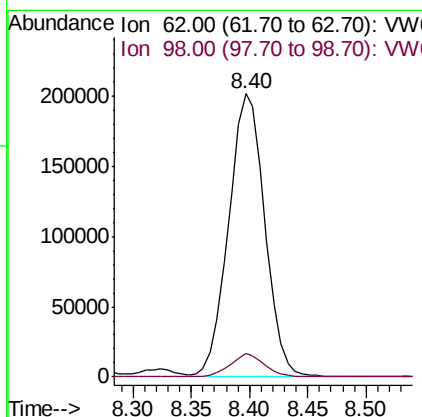
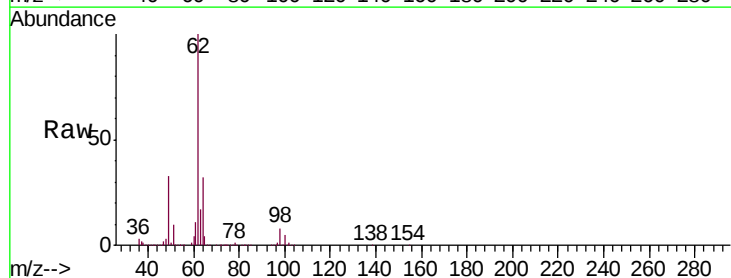
Instrument :
MSVOA_W
ClientSampled :
BFB11

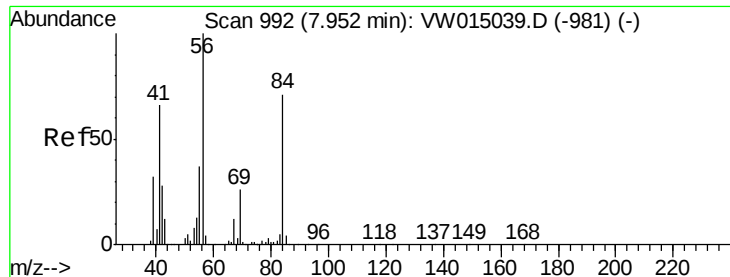
Tgt Ion: 83 Resp: 596227
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 27.878 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

Tgt Ion: 62 Resp: 436622
Ion Ratio Lower Upper
62 100
98 8.2 6.5 9.7

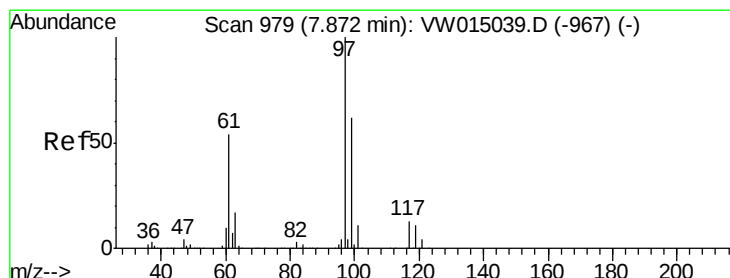
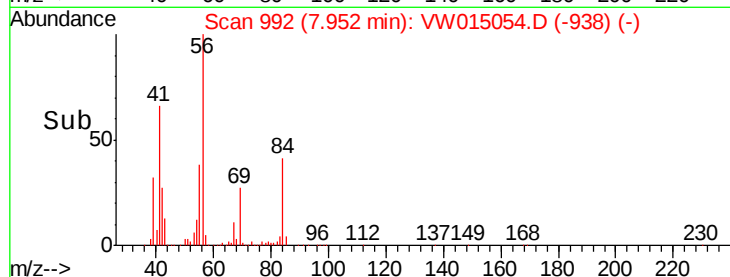
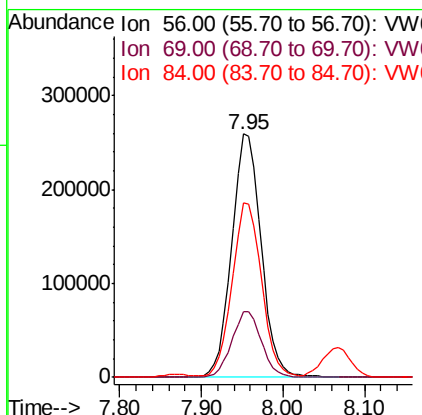
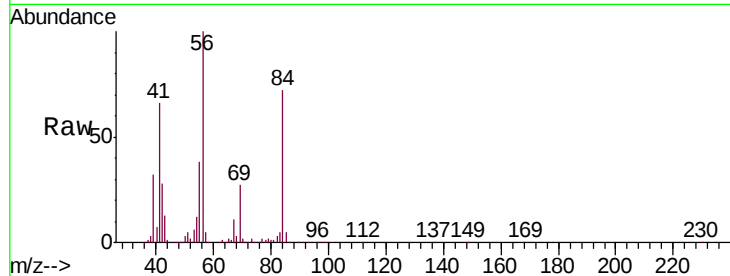




#30
Cyclohexane
Concen: 28.313 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

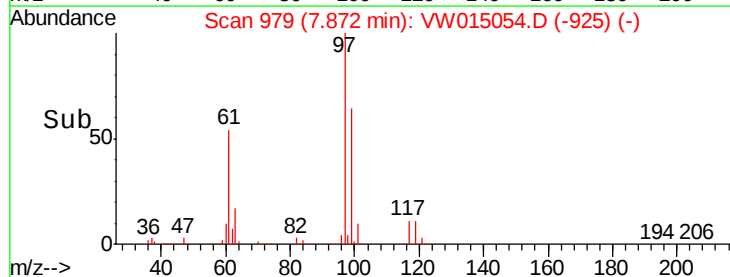
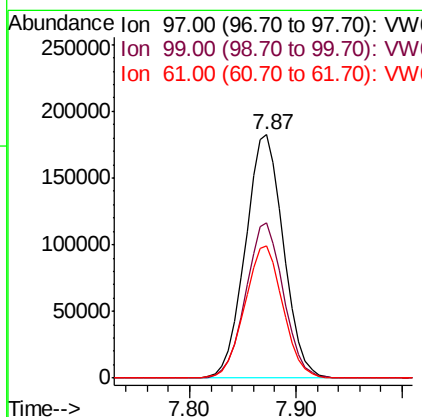
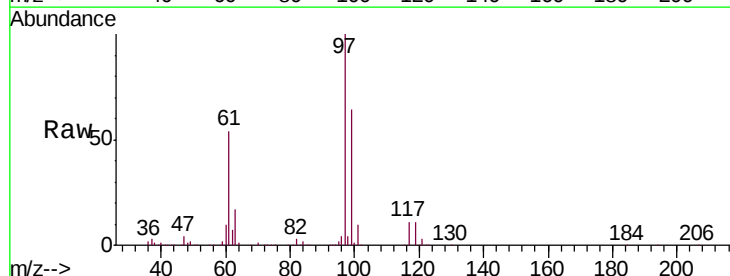
Instrument :
MSVOA_W
ClientSampled :
BFB11

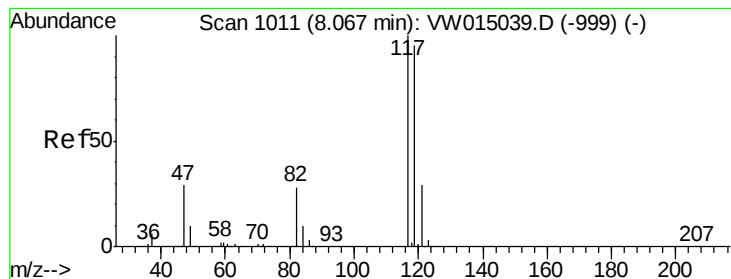
Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.1	21.8	32.6
84	71.9	57.3	85.9



#31
1,1,1-Trichloroethane
Concen: 25.967 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	76.0
61	54.7	43.1	64.7





#32

Carbon tetrachloride

Concen: 25.772 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

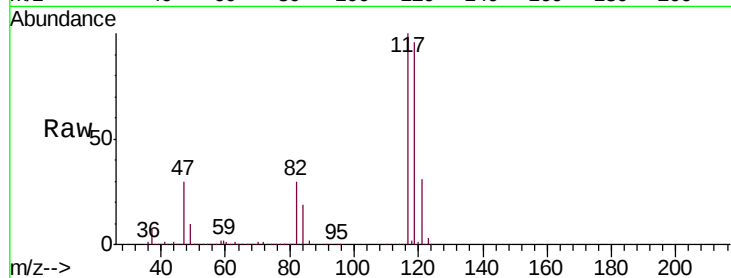
BFB11

Tgt Ion:117 Resp: 407146

Ion Ratio Lower Upper

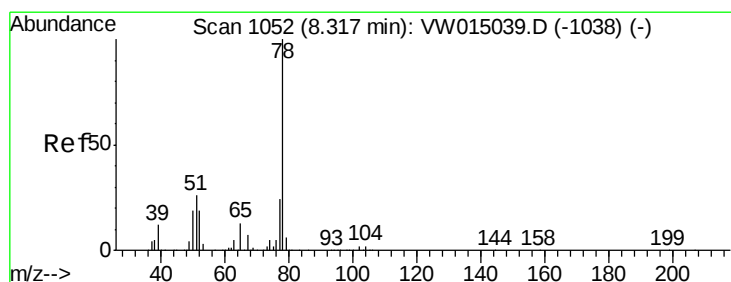
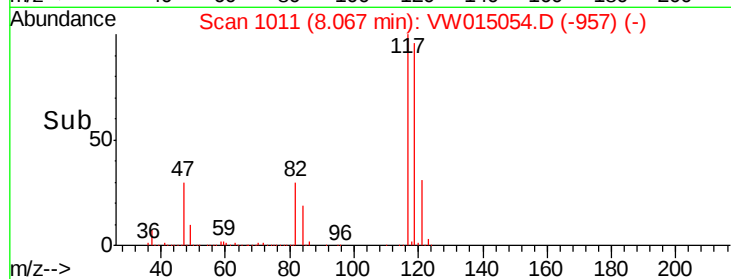
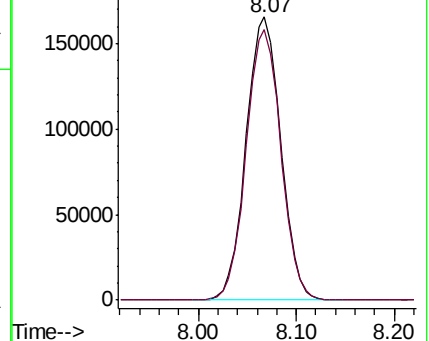
117 100

119 95.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.509 ug/L

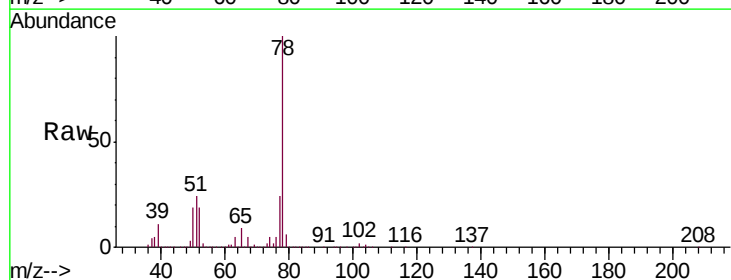
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

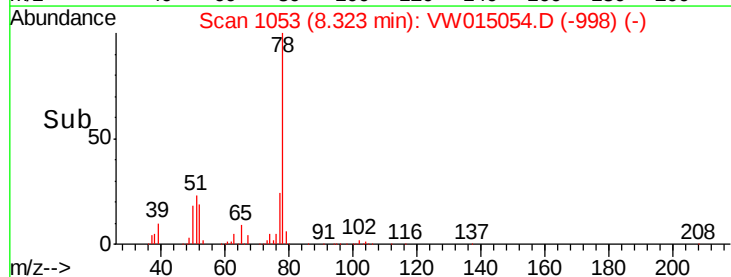
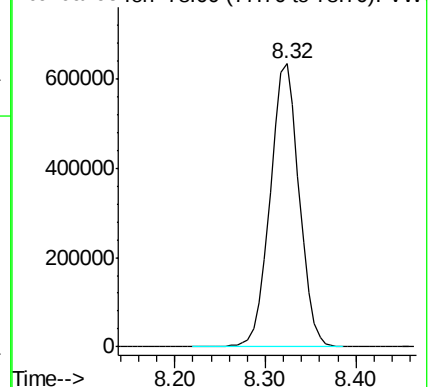
Lab File: VW015054.D

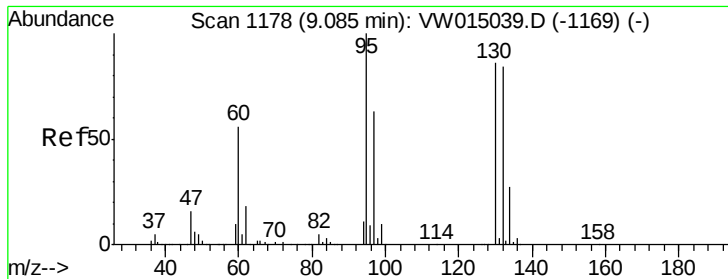
Acq: 27 Feb 2020 09:39

Tgt Ion: 78 Resp: 1398829



Abundance Ion 78.00 (77.70 to 78.70): VW

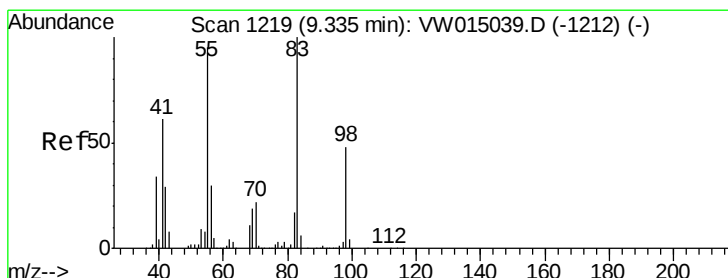
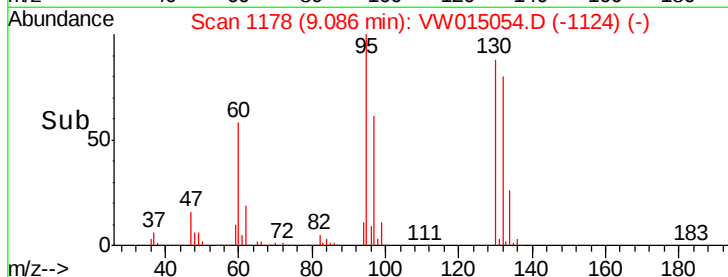
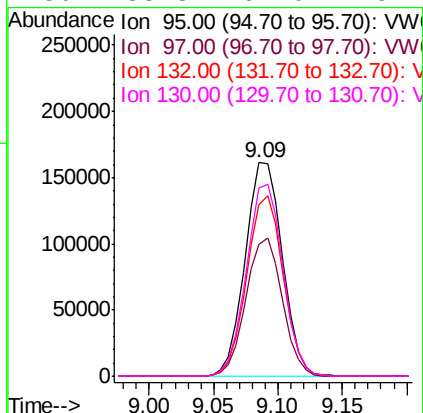
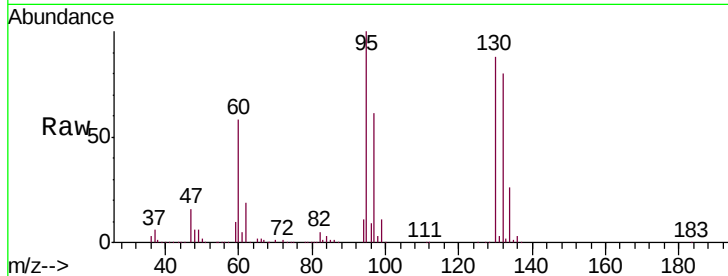




#35
 Trichloroethene
 Concen: 26.226 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

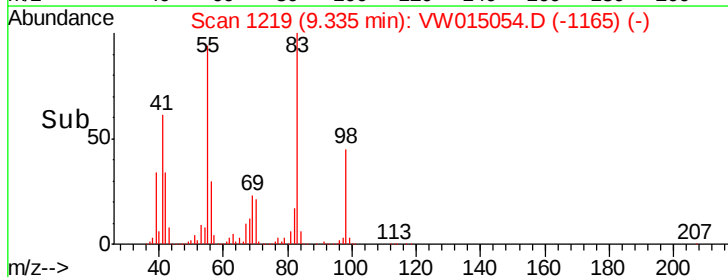
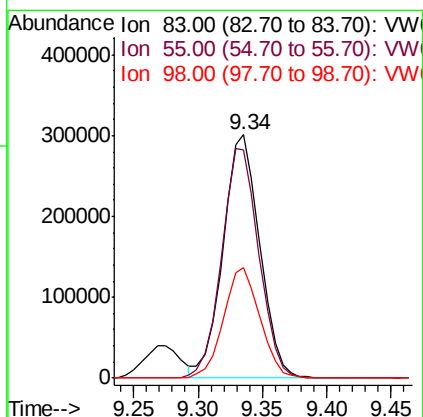
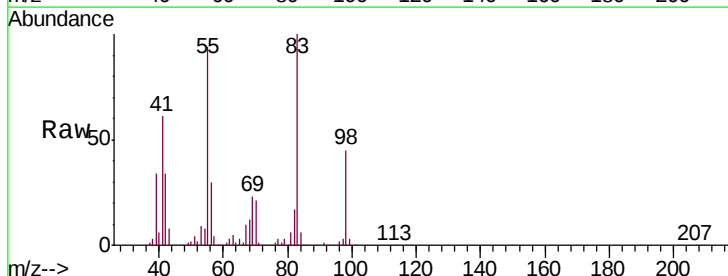
Instrument :
 MSVOA_W
 ClientSampleID :
 BFB11

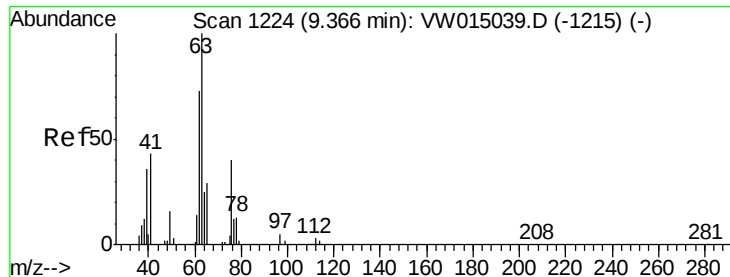
Tgt Ion:	95	Resp:	322596
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.7	83.1
132	82.7	58.1	107.9
130	88.3	62.0	115.2



#36
 Methylcyclohexane
 Concen: 28.355 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion:	83	Resp:	598912
Ion	Ratio	Lower	Upper
83	100		
55	95.9	76.6	115.0
98	45.0	36.6	54.8





#40

1,2-Dichloropropane

Concen: 27.285 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

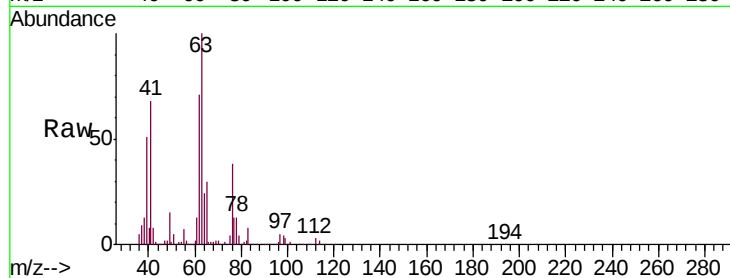
BFB11

Tgt Ion: 63 Resp: 385347

Ion Ratio Lower Upper

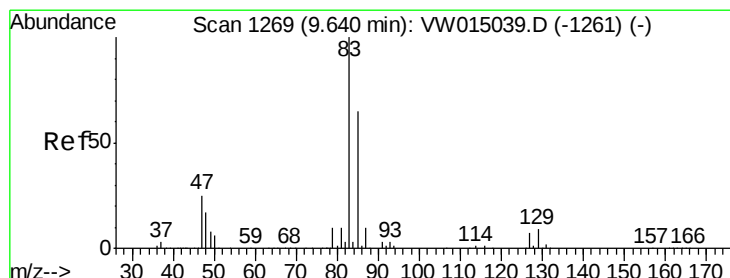
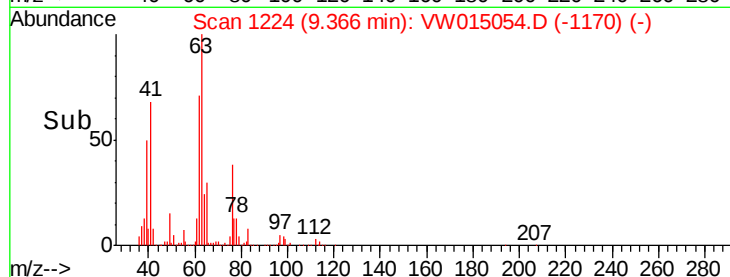
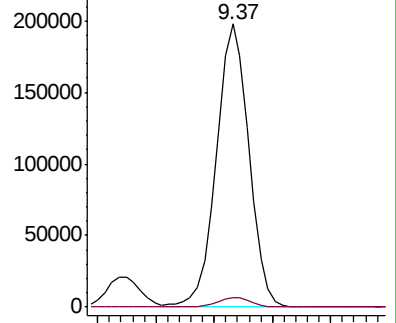
63 100

112 3.4 2.8 4.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.983 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

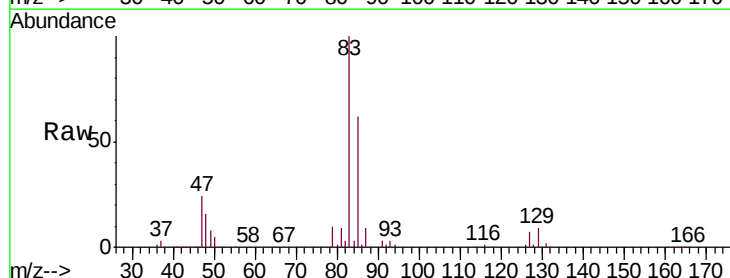
Tgt Ion: 83 Resp: 427464

Ion Ratio Lower Upper

83 100

85 62.0 44.7 83.1

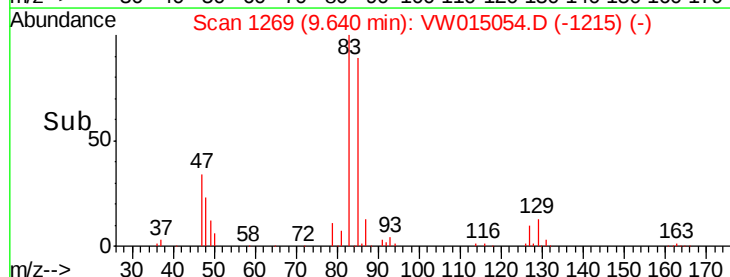
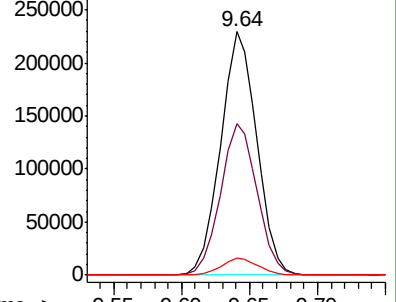
127 6.9 5.4 8.0

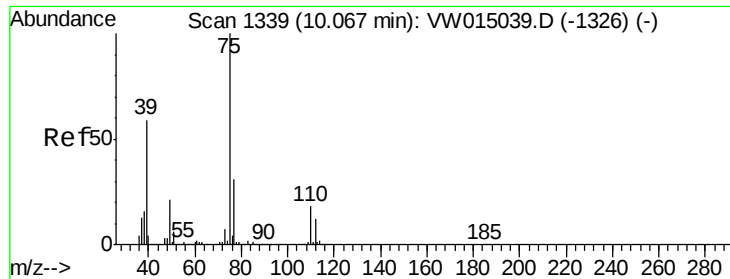


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 27.741 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampled :

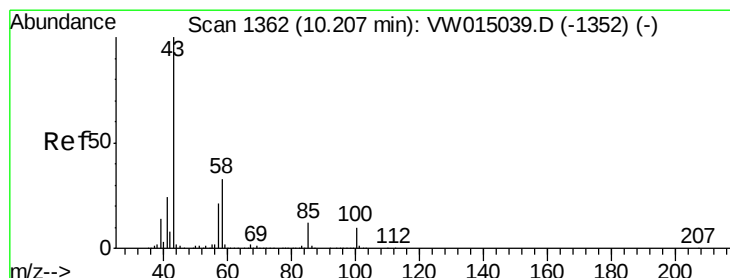
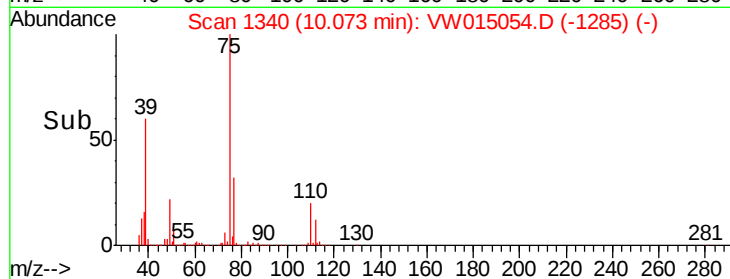
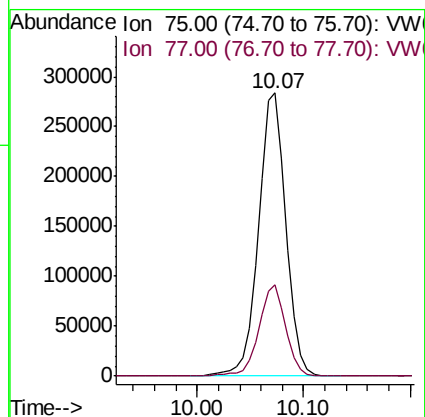
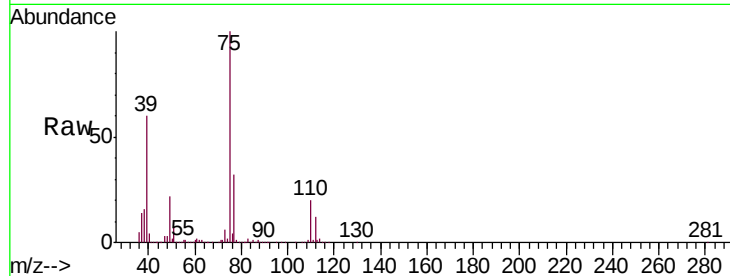
BFB11

Tgt Ion: 75 Resp: 510530

Ion Ratio Lower Upper

75 100

77 32.4 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 62.297 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

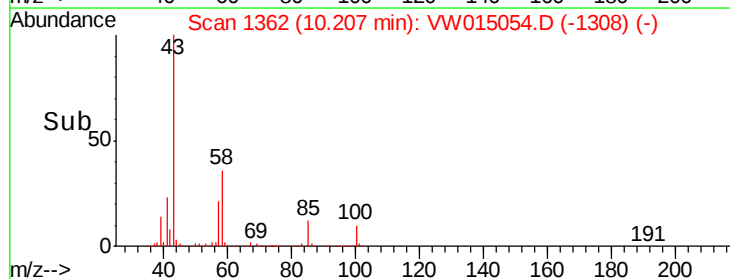
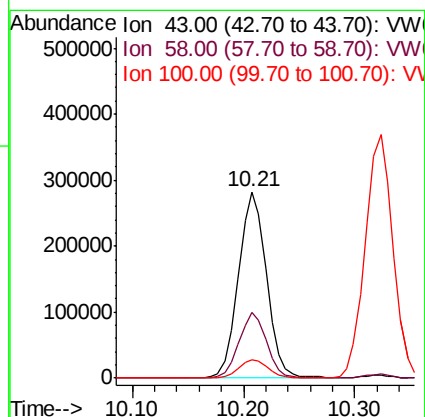
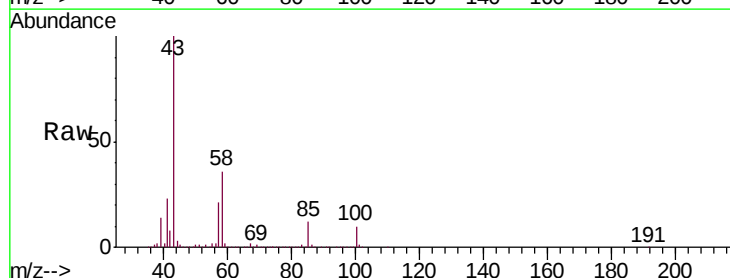
Tgt Ion: 43 Resp: 492093

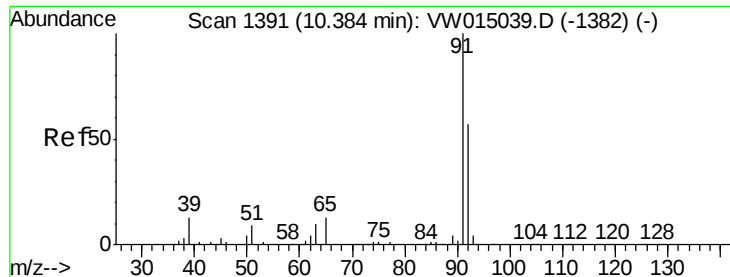
Ion Ratio Lower Upper

43 100

58 34.4 27.6 41.4

100 10.1 8.6 13.0





#44

Toluene

Concen: 28.264 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

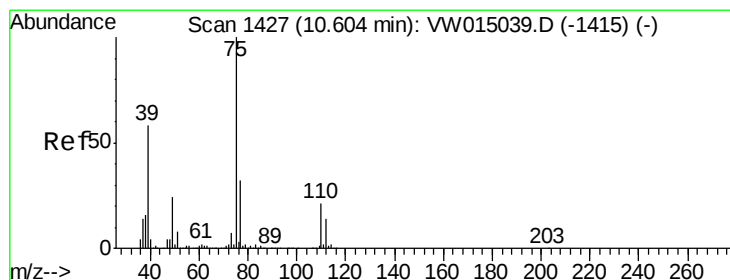
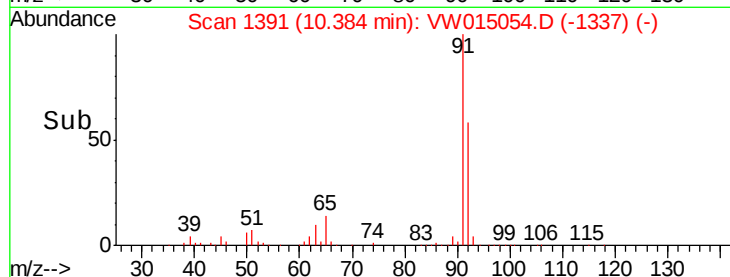
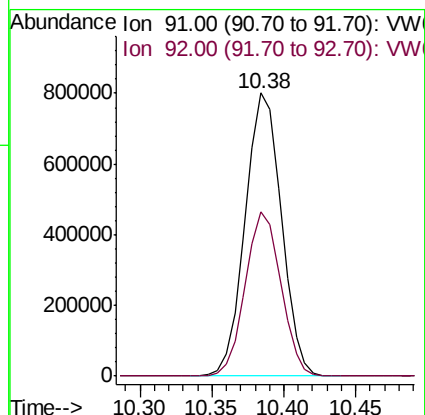
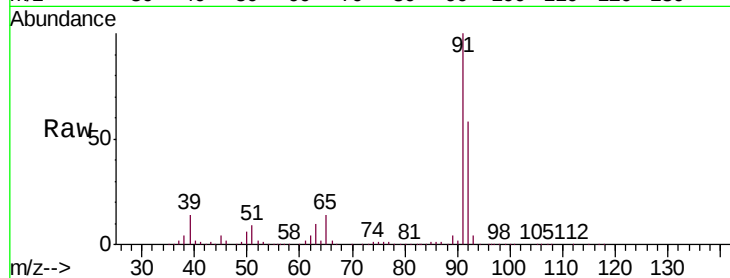
BFB11

Tgt Ion: 91 Resp: 1395812

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 28.451 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015054.D

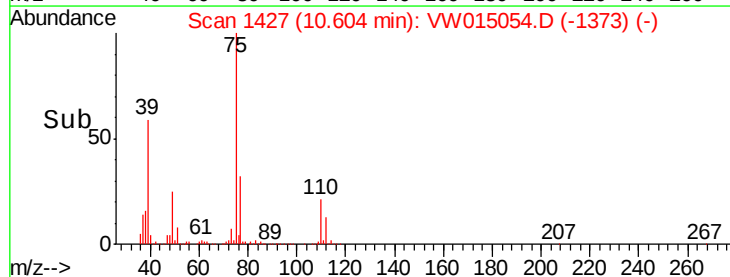
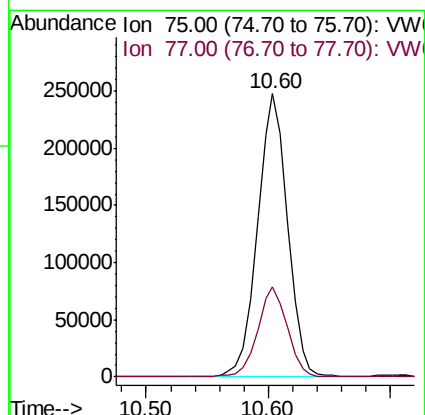
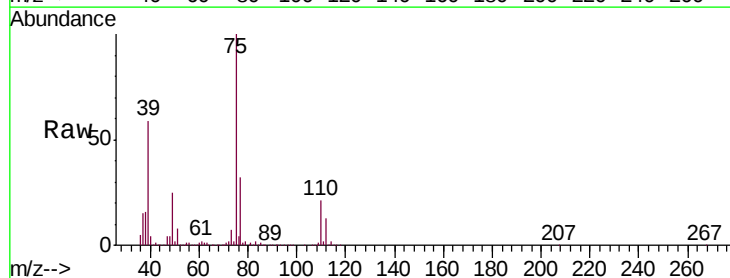
Acq: 27 Feb 2020 09:39

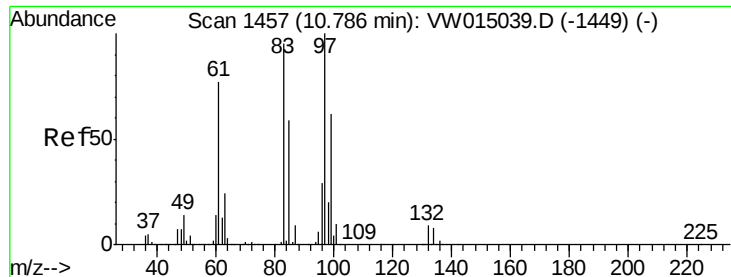
Tgt Ion: 75 Resp: 423186

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2

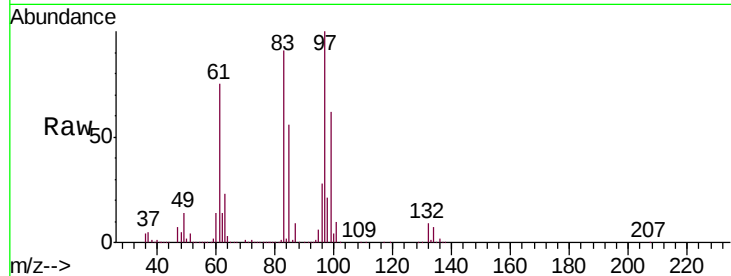




#46
 1,1,2-Trichloroethane
 Concen: 28.145 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

Tgt Ion	Resp	Lower	Upper
97	223683		
83	91.2	64.4	119.6
85	55.7	40.9	75.9
99	62.1	44.1	81.9



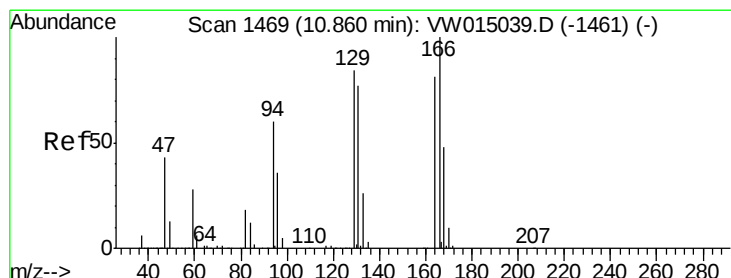
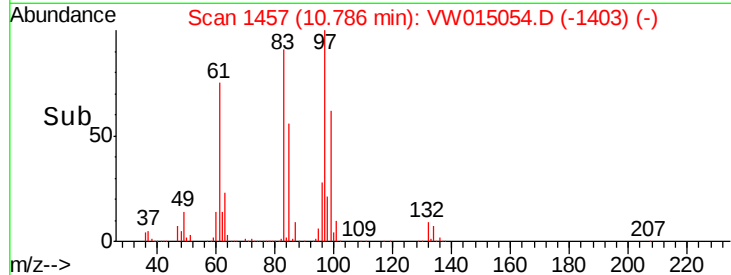
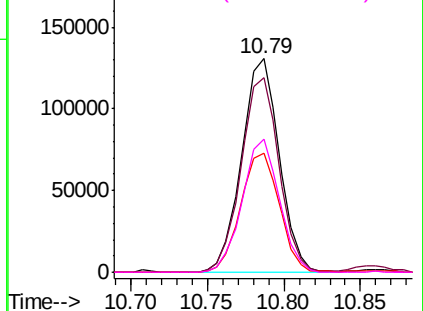
Abundance

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: 25.999 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion	Resp	Lower	Upper
164	206108		
129	105.3	71.7	133.1
131	99.1	70.1	130.3
166	121.4	91.3	169.6

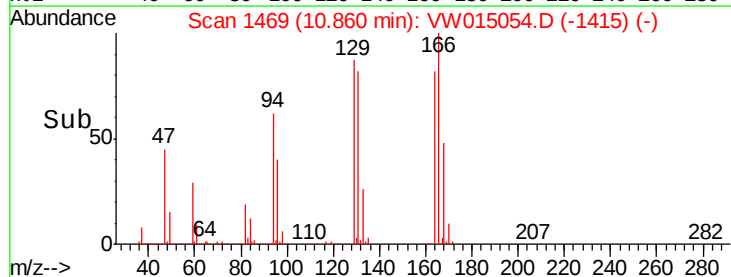
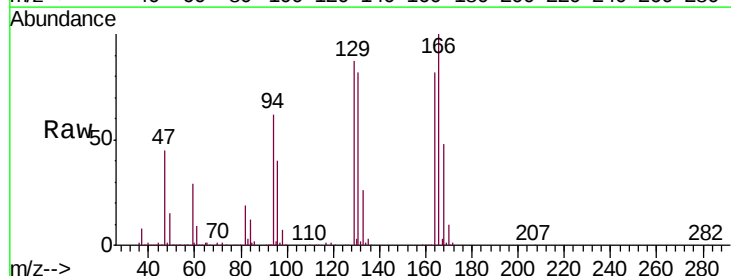
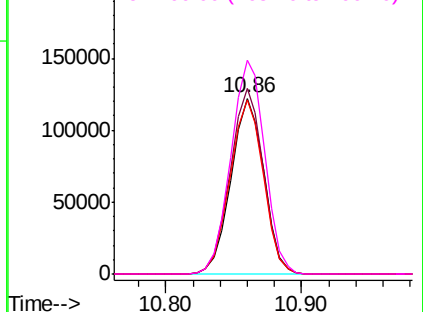
Abundance

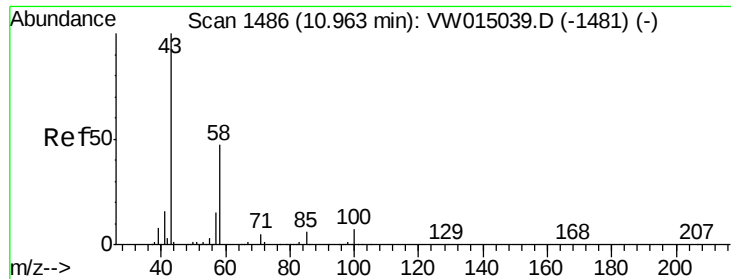
Ion 164.00 (163.70 to 164.70): V

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: 67.281 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampled :

BFB11

Tgt Ion: 43 Resp: 385297

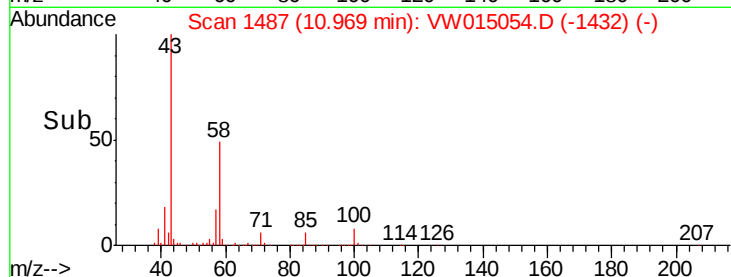
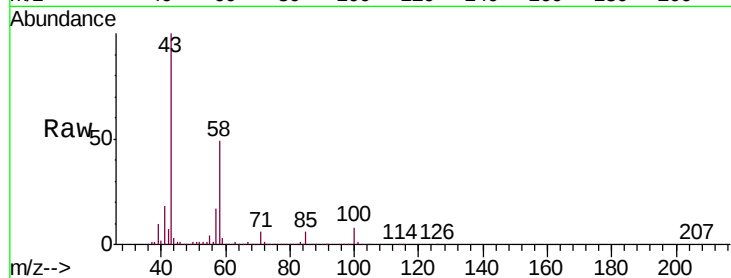
Ion Ratio Lower Upper

43 100

58 47.8 38.9 58.3

57 16.1 13.4 20.2

100 7.8 6.7 10.1

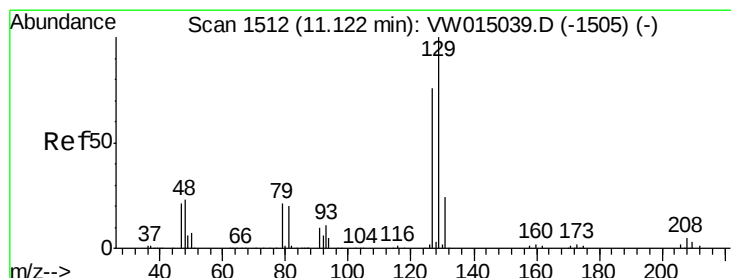
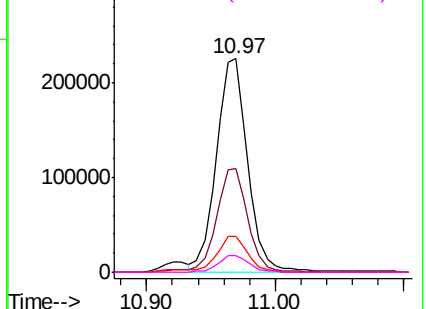


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.233 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW015054.D

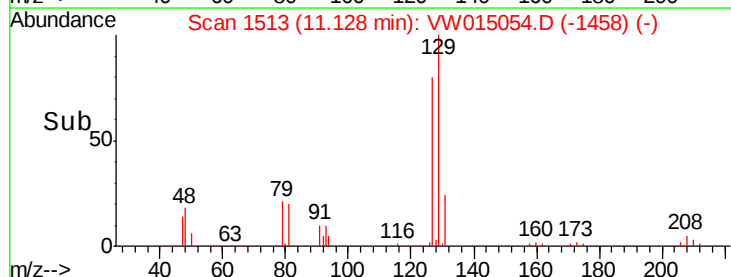
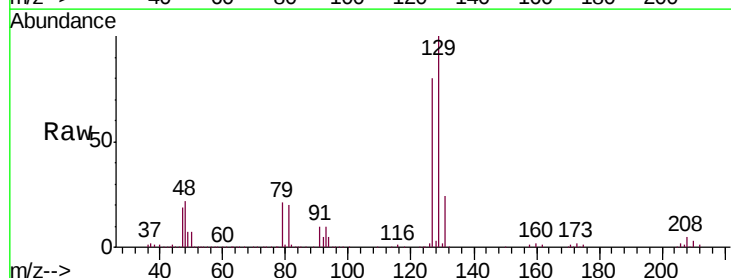
Acq: 27 Feb 2020 09:39

Tgt Ion: 129 Resp: 230329

Ion Ratio Lower Upper

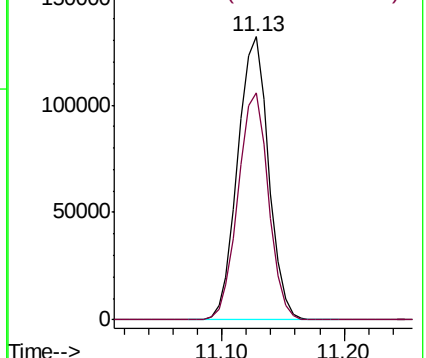
129 100

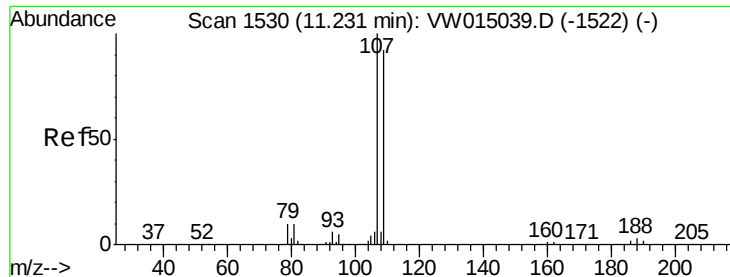
127 80.4 56.4 104.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

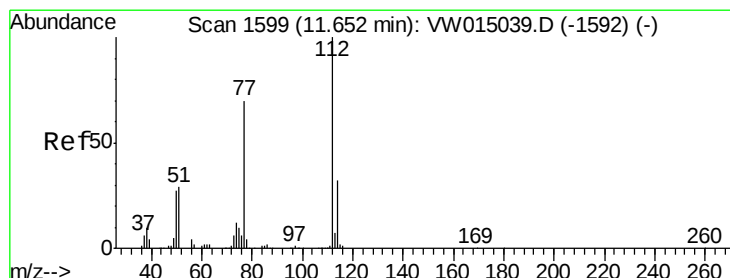
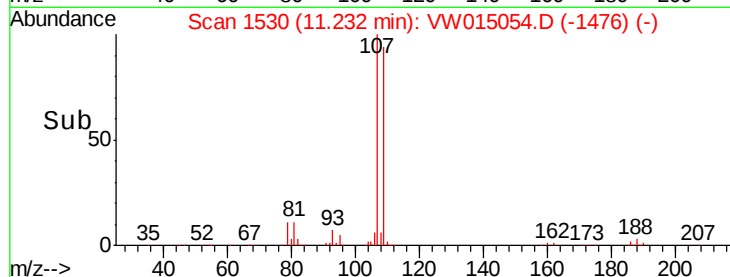
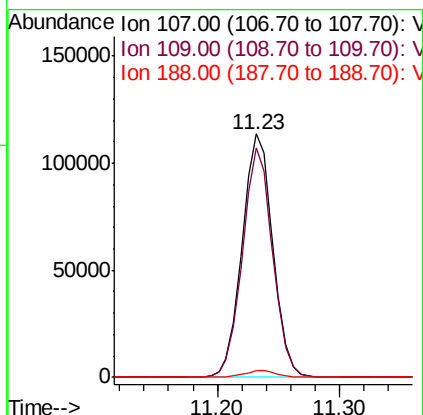
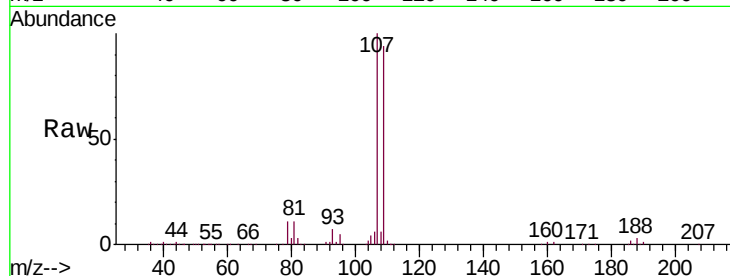




#51
 1,2-Dibromoethane
 Concen: 28.504 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

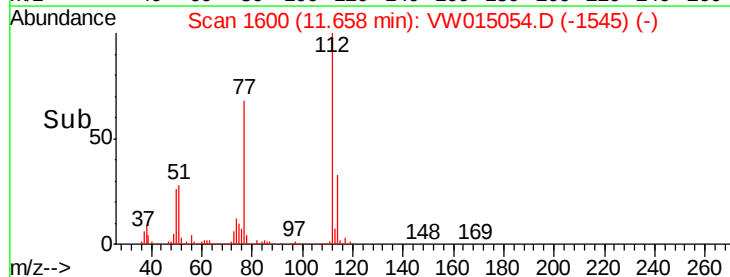
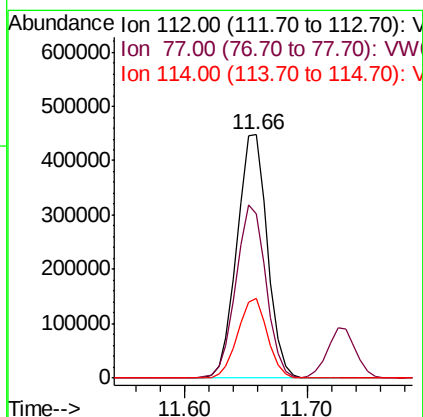
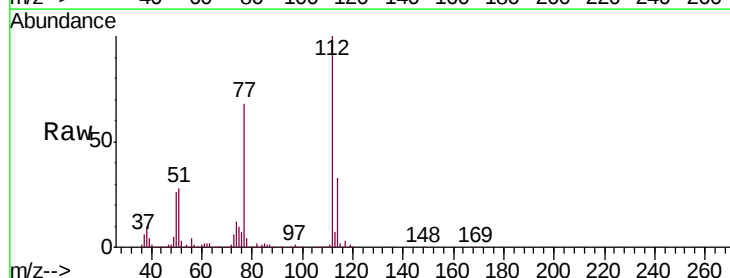
Instrument :
 MSVOA_W
 ClientSampled :
 BFB11

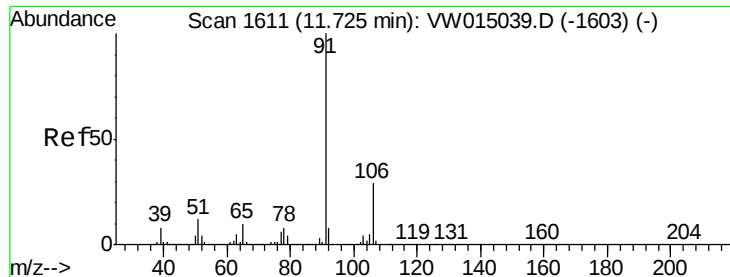
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	61.9	114.9
188	2.6	2.5	3.7



#52
 Chlorobenzene
 Concen: 26.503 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion	Ratio	Lower	Upper
112	100		
77	67.5	57.0	85.6
114	32.5	22.5	41.9





#53

Ethylbenzene

Concen: 28.173 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

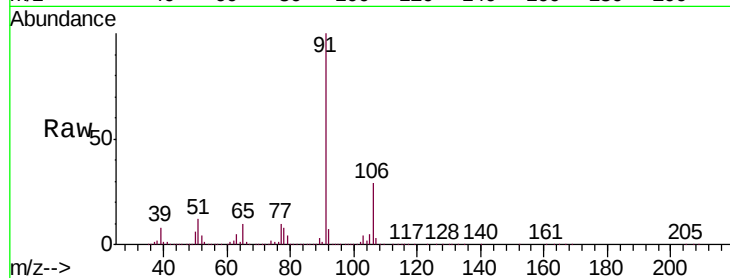
BFB11

Tgt Ion: 91 Resp: 1519913

Ion Ratio Lower Upper

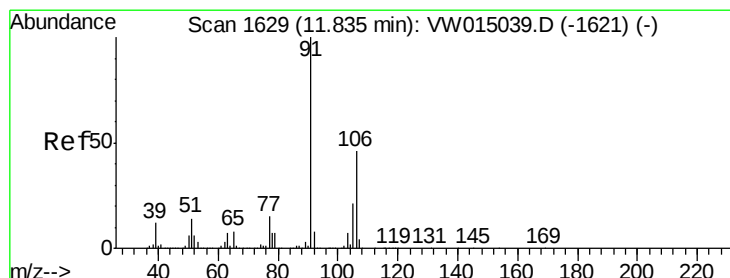
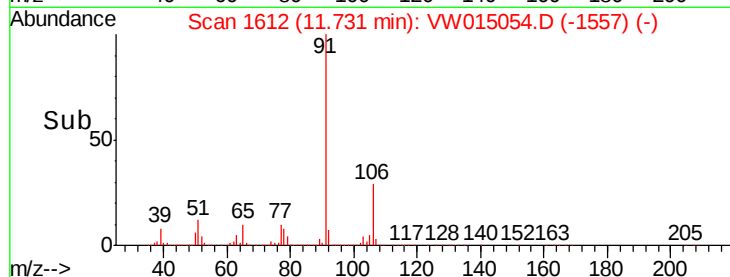
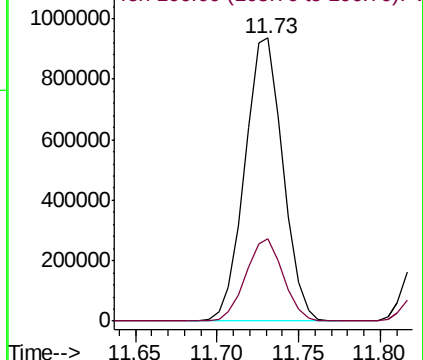
91 100

106 29.0 20.1 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.554 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015054.D

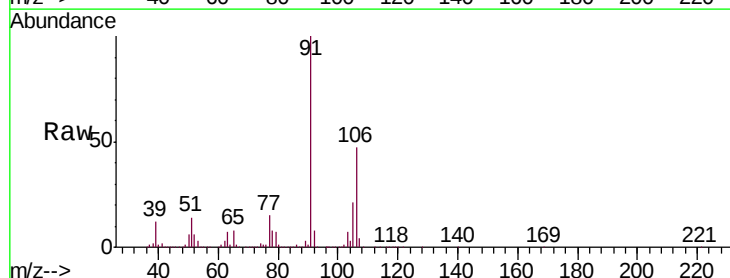
Acq: 27 Feb 2020 09:39

Tgt Ion: 106 Resp: 538964

Ion Ratio Lower Upper

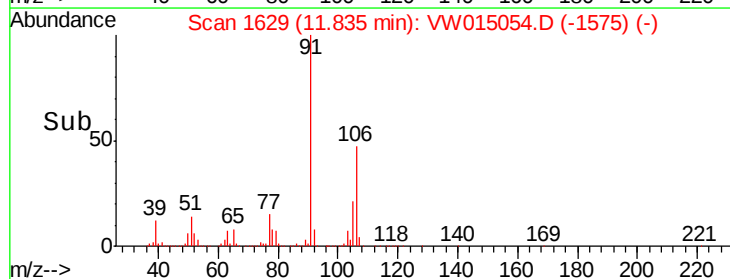
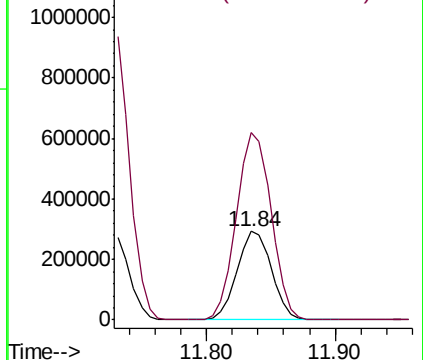
106 100

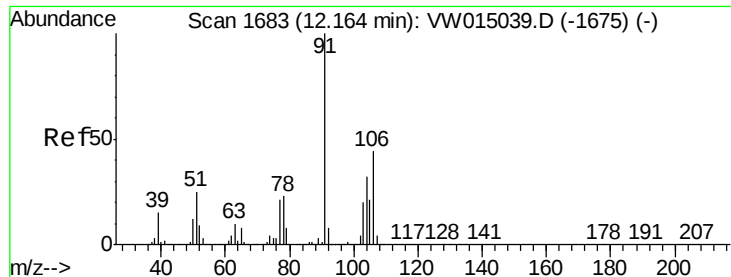
91 212.2 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

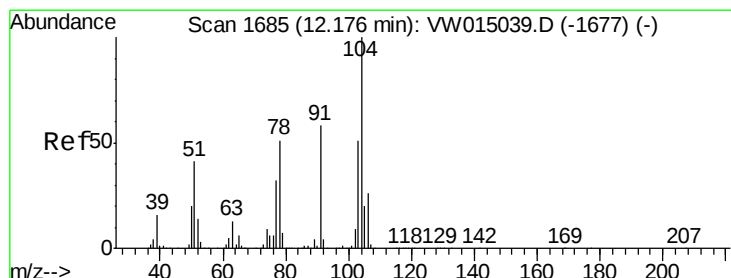
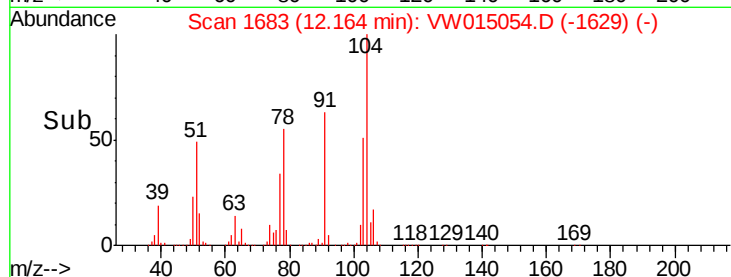
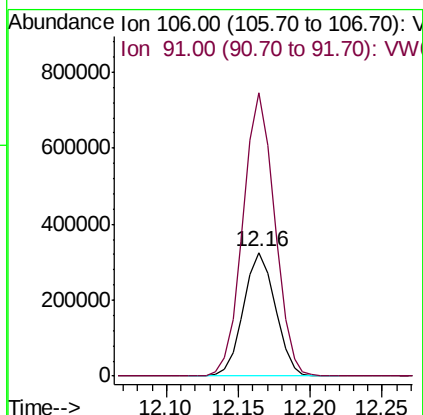
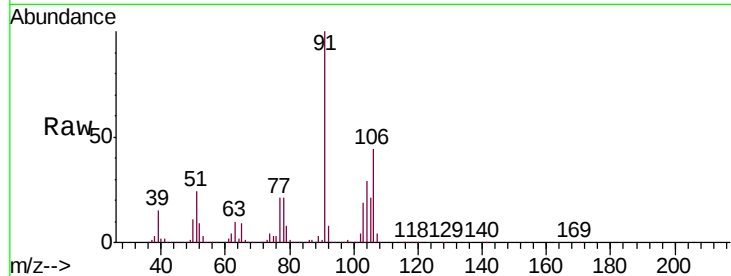




#55
o-xylene
Concen: 28.431 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

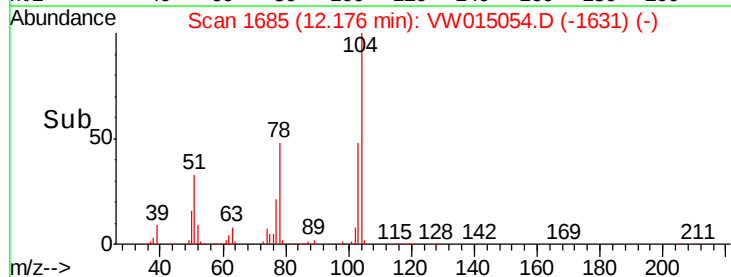
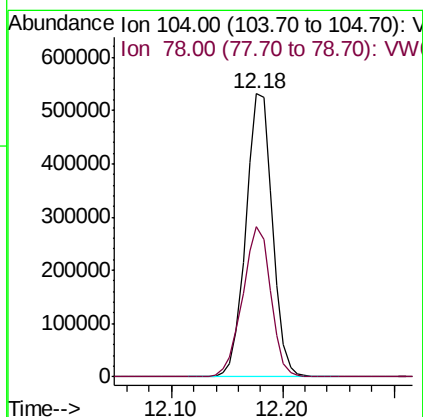
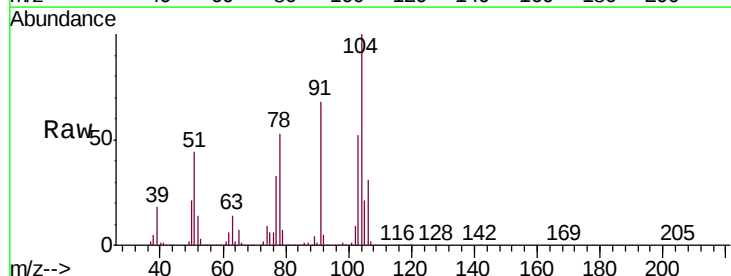
Instrument :
MSVOA_W
ClientSampled :
BFB11

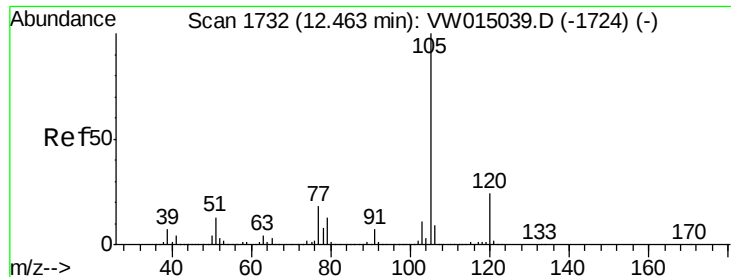
Tgt Ion:106 Resp: 500032
Ion Ratio Lower Upper
106 100
91 228.7 162.5 301.9



#56
Styrene
Concen: 29.200 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015054.D
Acq: 27 Feb 2020 09:39

Tgt Ion:104 Resp: 879603
Ion Ratio Lower Upper
104 100
78 53.0 35.6 66.0





#57

Isopropylbenzene

Concen: 28.848 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

BFB11

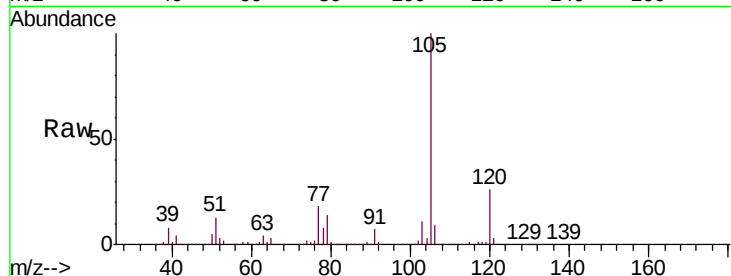
Tgt Ion: 105 Resp: 1381741

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

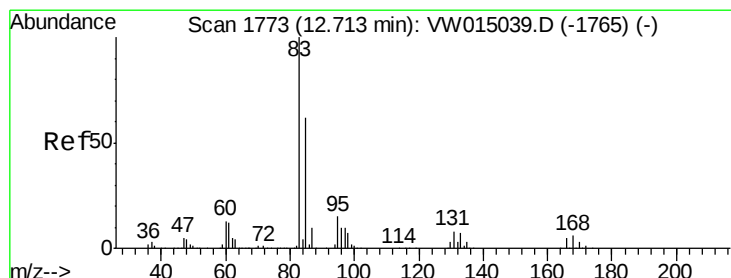
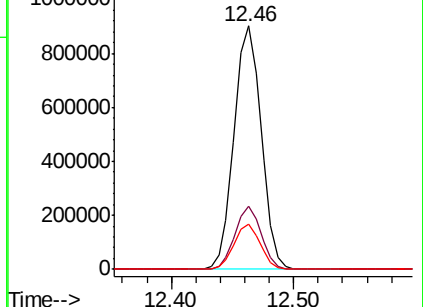
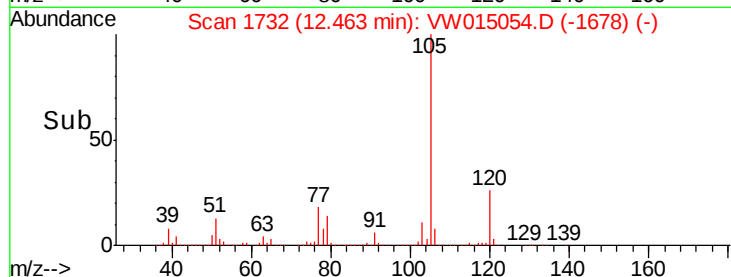
77 18.0 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.335 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

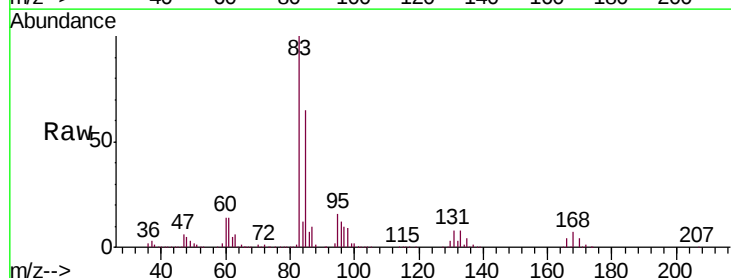
Tgt Ion: 83 Resp: 284130

Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.0

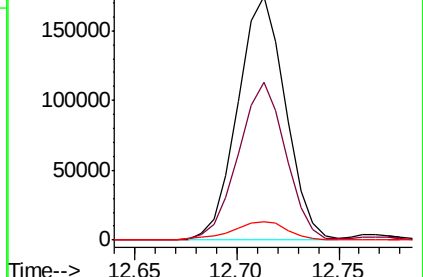
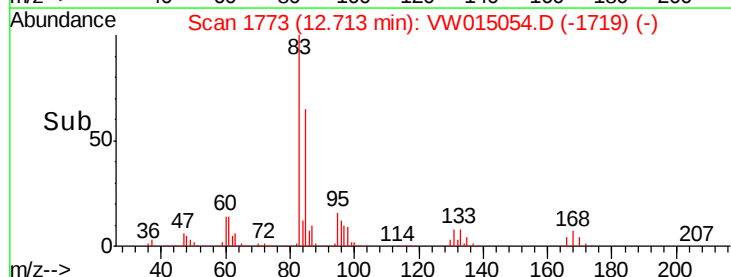
131 7.7 6.3 9.5

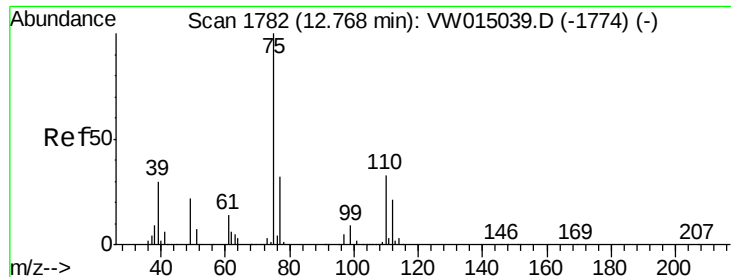


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.346 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

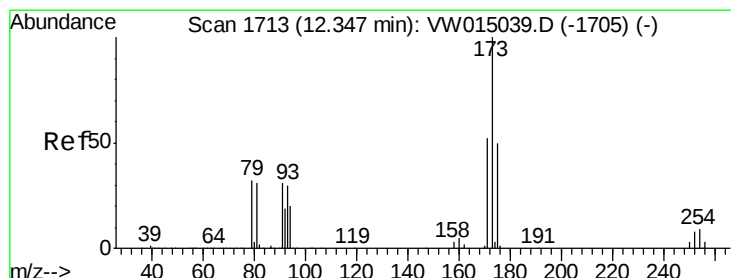
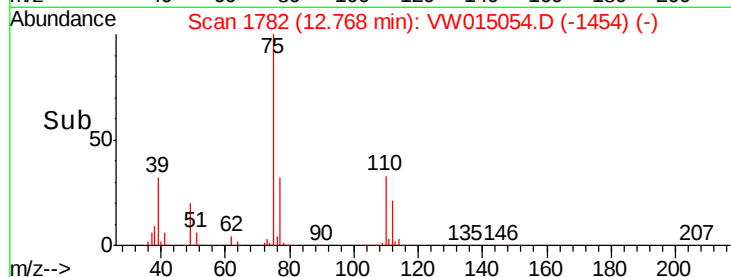
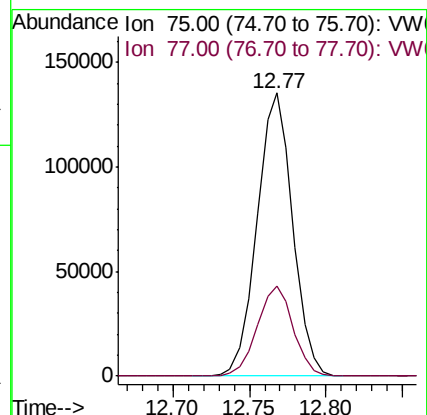
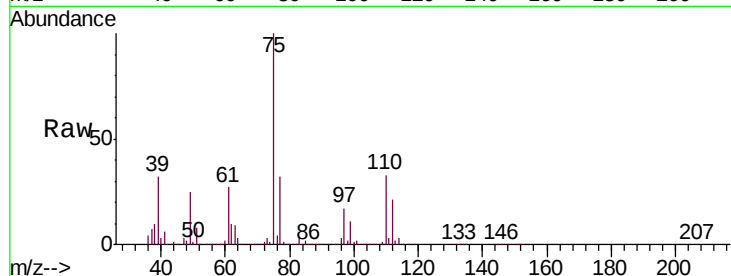
BFB11

Tgt Ion: 75 Resp: 218469

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 26.900 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

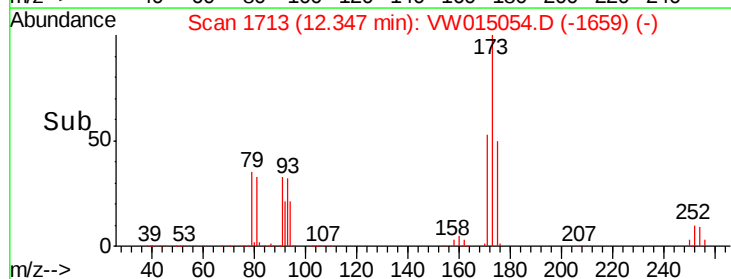
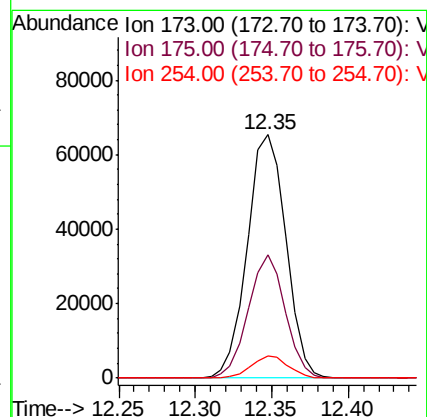
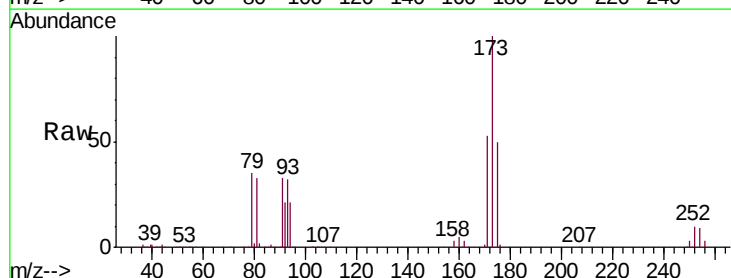
Tgt Ion: 173 Resp: 114874

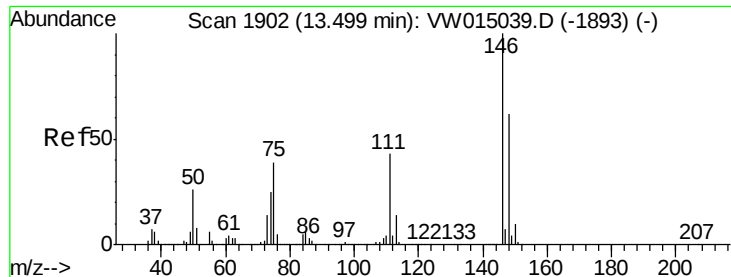
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 8.7 7.0 10.4

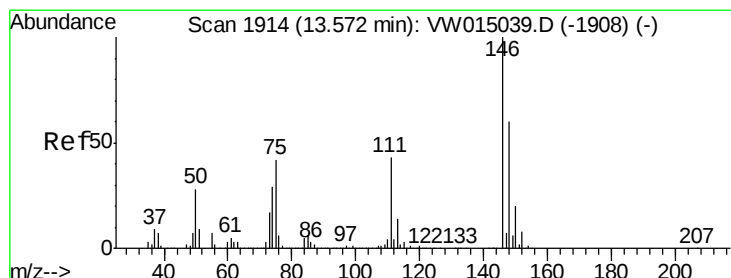
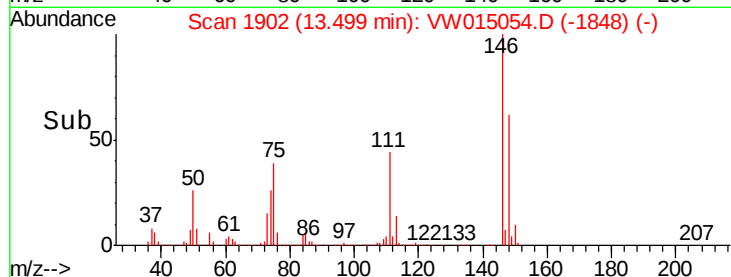
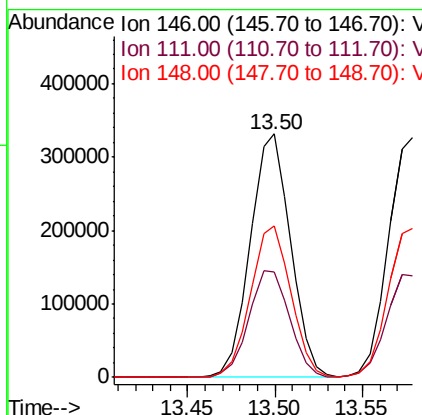
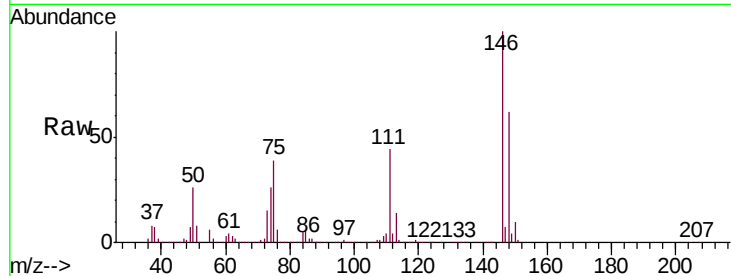




#63
 1,3-Dichlorobenzene
 Concen: 26.745 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

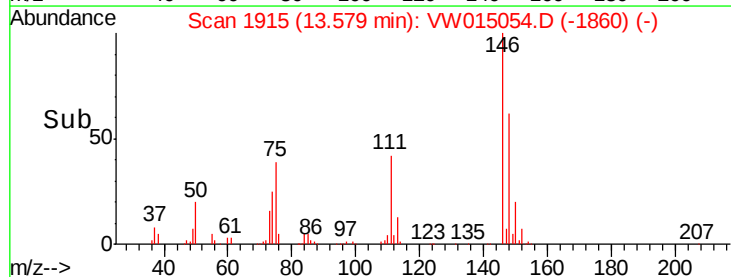
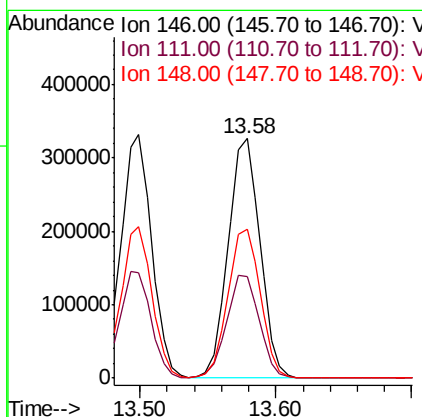
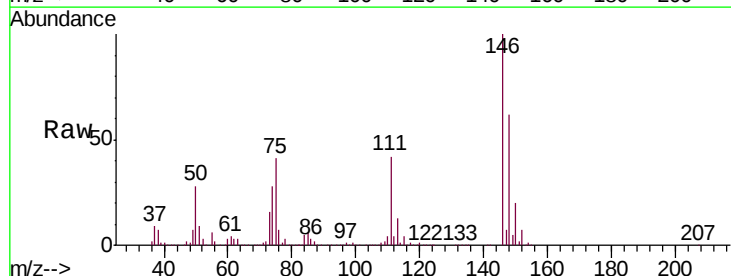
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

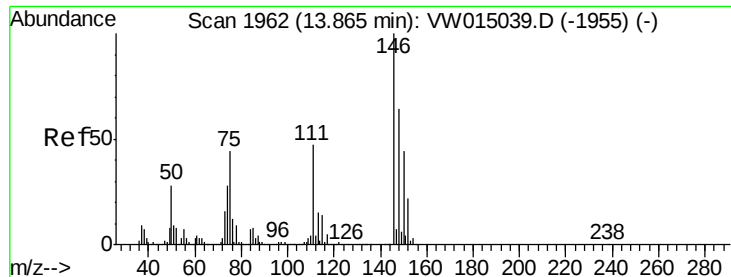
Tgt Ion:146 Resp: 530097
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.9 57.3
 148 62.3 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 26.020 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion:146 Resp: 530987
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.9 55.5
 148 62.0 46.1 85.5

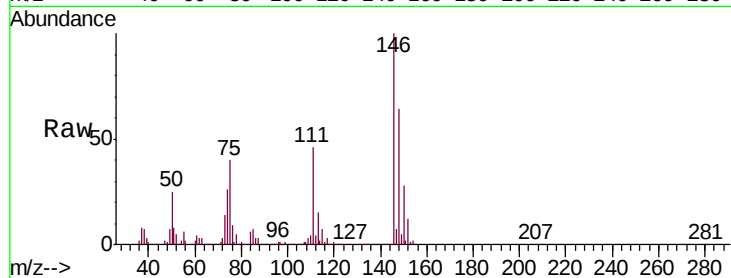




#65
 1,2-Dichlorobenzene
 Concen: 26.710 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	37.7	56.5
148	63.9	50.0	75.0

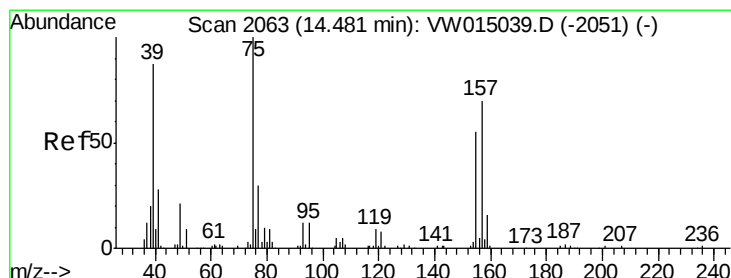
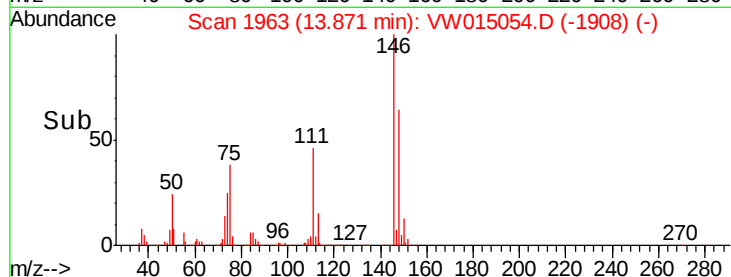
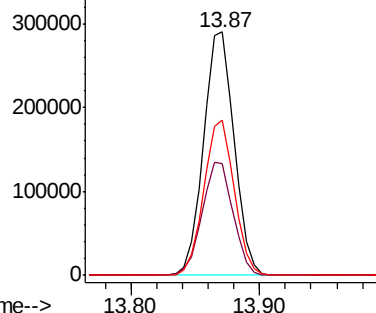


Abundance

Ion 146.00 (145.70 to 146.70): V

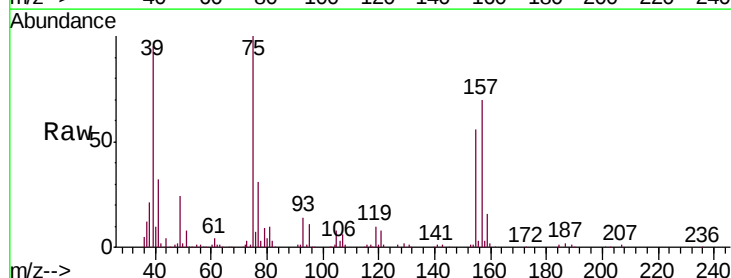
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.764 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion	Ratio	Lower	Upper
75	100		
157	70.2	61.4	92.0
155	56.4	45.0	67.6

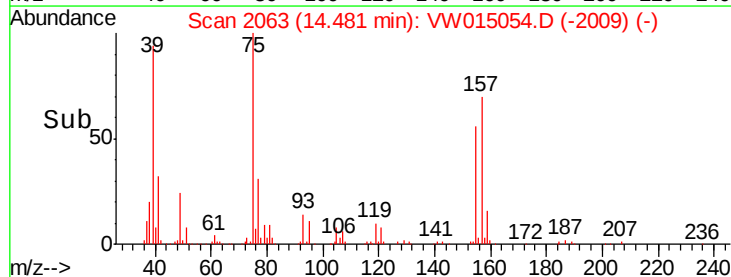
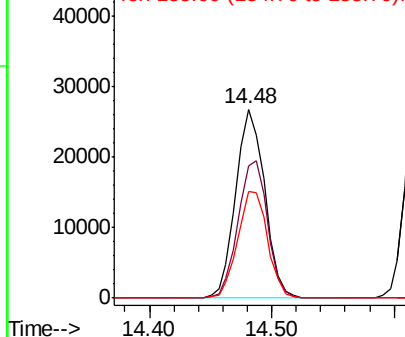


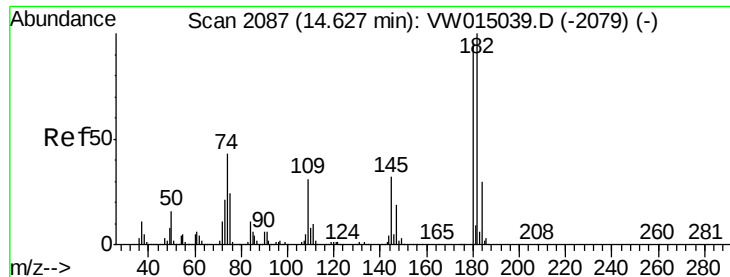
Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

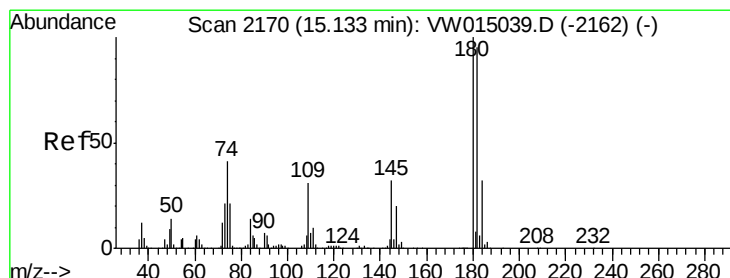
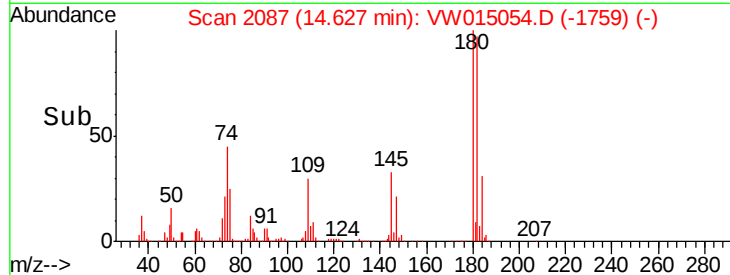
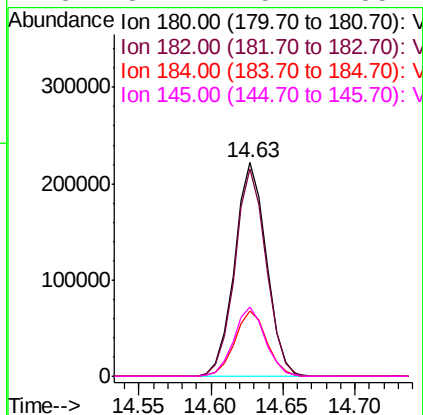
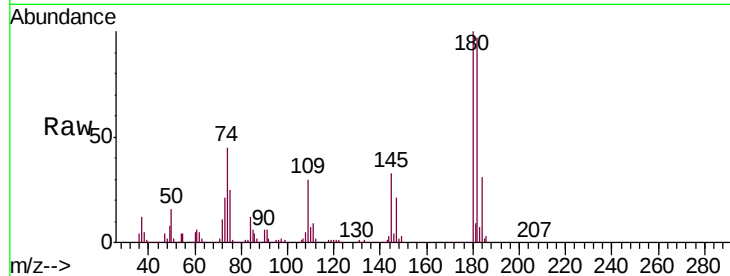




#67
 1,3,5-Trichlorobenzene
 Concen: 25.682 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

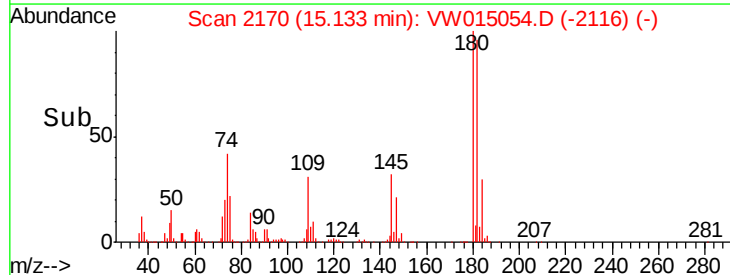
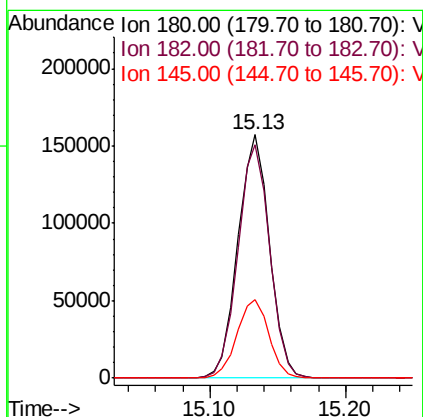
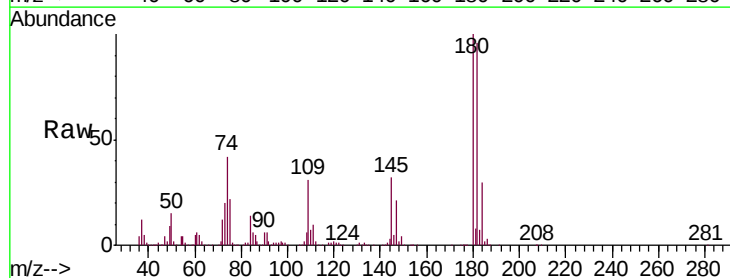
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

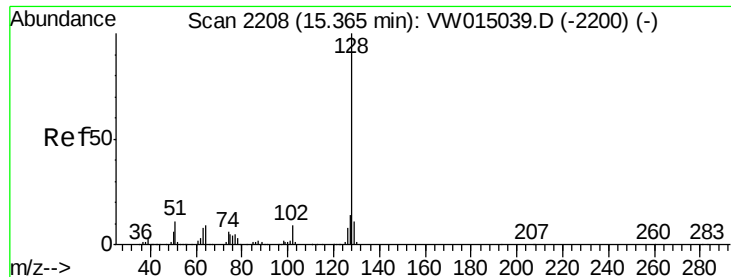
Tgt Ion:	180	Resp:	341343
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.0
184	30.4	23.9	35.9
145	32.1	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 26.208 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015054.D
 Acq: 27 Feb 2020 09:39

Tgt Ion:	180	Resp:	254578
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.7	113.5
145	32.6	25.9	38.9





#69

Naphthalene

Concen: 27.203 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

Instrument :

MSVOA_W

ClientSampleId :

BFB11

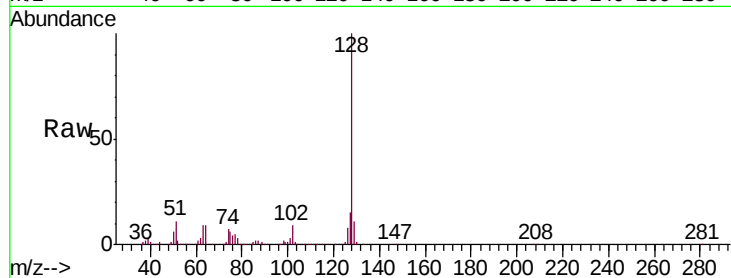
Tgt Ion:128 Resp: 234584

Ion Ratio Lower Upper

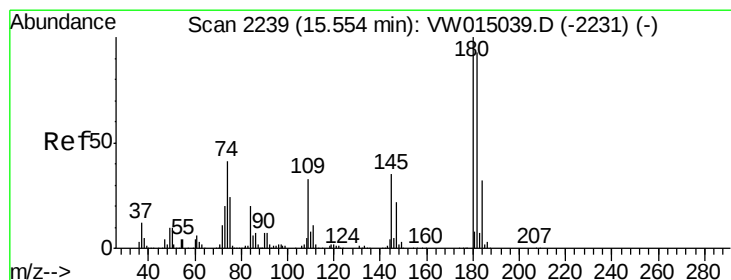
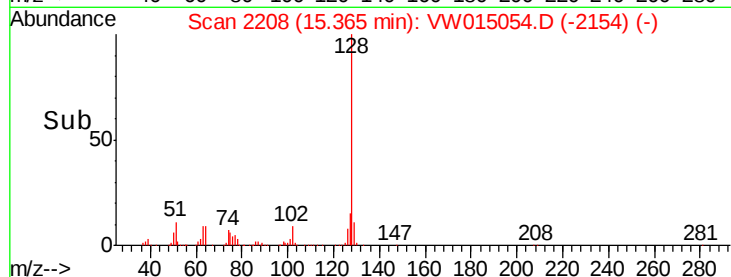
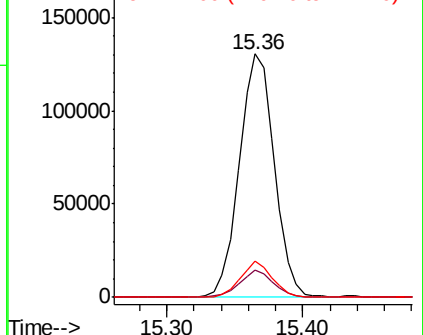
128 100

129 10.7 8.9 13.3

127 13.6 11.1 16.7



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: 27.248 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW015054.D

Acq: 27 Feb 2020 09:39

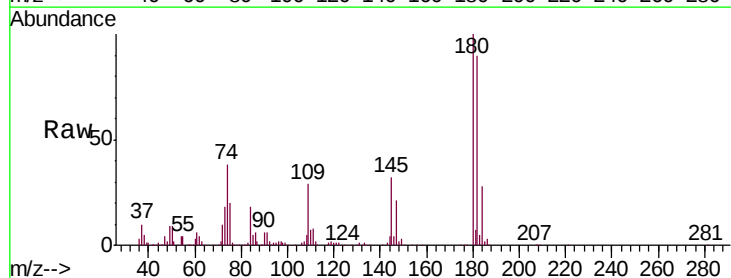
Tgt Ion:180 Resp: 237566

Ion Ratio Lower Upper

180 100

182 93.4 75.8 113.6

145 34.8 27.1 40.7



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

