

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101719\
 Data File : VW013608.D
 Acq On : 17 Oct 2019 09:39
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 17 11:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 16 16:38:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	454874	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	402865	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	207495	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121159	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.12%
7) Chloroethane-d5	2.89	69	94285	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
10) 1,1-Dichloroethene-d2	4.02	63	273044	25.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.08%
20) 2-Butanone-d5	7.07	46	86401	55.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.20%
24) Chloroform-d	7.65	84	260564	26.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	8.30	65	131421	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
29) Benzene-d6	8.27	84	552469	25.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.40%
33) 1,2-Dichloropropane-d6	9.27	67	161185	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.72%
37) Toluene-d8	10.32	98	512875	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	10.58	79	71801	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.68%
39) 2-Hexanone-d5	10.92	63	68479	53.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140583	27.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	187945	25.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	73435	29.627 ug/L	98
3) Chloromethane	2.21	50	107404	24.662 ug/L	98
5) Vinyl chloride	2.36	62	162568	26.384 ug/L	100
6) Bromomethane	2.78	94	97471	25.827 ug/L	100
8) Chloroethane	2.92	64	90337	26.139 ug/L	97
9) Trichlorofluoromethane	3.26	101	86159	26.823 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	151932	26.652 ug/L	99
12) 1,1-Dichloroethene	4.04	96	155430	27.221 ug/L	88
13) Acetone	4.12	43	83405	46.276 ug/L	98
14) Carbon disulfide	4.38	76	451500	25.911 ug/L	99
15) Methyl Acetate	4.67	43	76678	27.274 ug/L	98
16) Methylene chloride	4.91	84	154279	22.393 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	244324	26.627 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	161583	26.518 ug/L	98
19) 1,1-Dichloroethane	6.21	63	278283	27.202 ug/L	98
21) 2-Butanone	7.17	43	112513	51.029 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	175399	26.914 ug/L	97

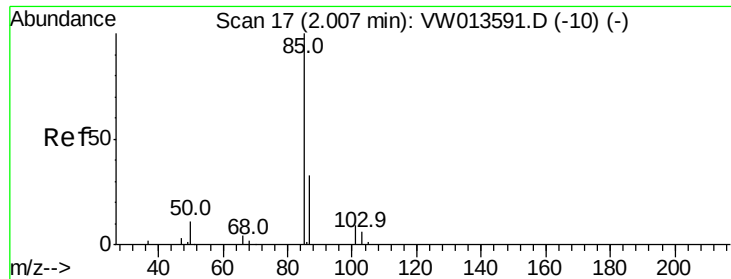
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	78836	27.017	ug/L	98
25) Chloroform	7.67	83	274715	27.221	ug/L	100
27) 1,2-Dichloroethane	8.40	62	177232	27.766	ug/L	97
30) Cyclohexane	7.95	56	271932	25.672	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	222999	27.483	ug/L	99
32) Carbon tetrachloride	8.07	117	212082	27.249	ug/L	97
34) Benzene	8.32	78	642176	26.385	ug/L	100
35) Trichloroethene	9.09	95	168489	26.540	ug/L	99
36) Methylcyclohexane	9.34	83	293330	25.408	ug/L	99
40) 1,2-Dichloropropane	9.37	63	158122	26.969	ug/L	98
41) Bromodichloromethane	9.65	83	196176	27.241	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	251837	26.774	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	214766	52.499	ug/L	99
44) Toluene	10.38	91	703258	26.663	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	208002	28.005	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	121967	27.404	ug/L	99
47) Tetrachloroethene	10.86	164	151560	26.194	ug/L	99
49) 2-Hexanone	10.97	43	163716	55.065	ug/L	99
50) Dibromochloromethane	11.13	129	145074	27.685	ug/L	99
51) 1,2-Dibromoethane	11.24	107	119371	27.304	ug/L	99
52) Chlorobenzene	11.66	112	446705	26.685	ug/L	99
53) Ethylbenzene	11.73	91	782180	26.790	ug/L	99
54) m,p-Xylene	11.84	106	302120	26.526	ug/L	97
55) o-xylene	12.16	106	287014	26.996	ug/L	99
56) Styrene	12.18	104	495574	27.370	ug/L	97
57) Isopropylbenzene	12.46	105	773952	26.835	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	145939	27.754	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	108253	27.570	ug/L	100
62) Bromoform	12.35	173	93007	27.868	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	359284	25.840	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	360276	26.030	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	324184	25.931	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22486	26.053	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	269906	25.719	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	224716	25.835	ug/L	98
69) Naphthalene	15.36	128	419014	26.448	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	201631	26.032	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 29.627 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

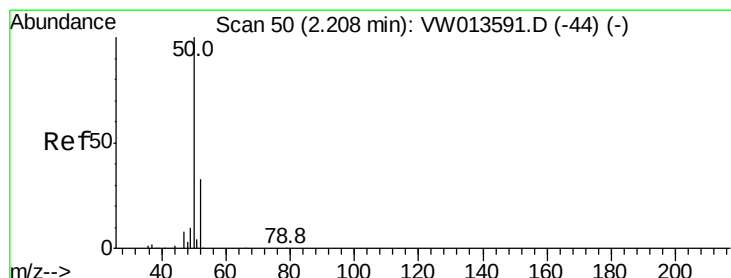
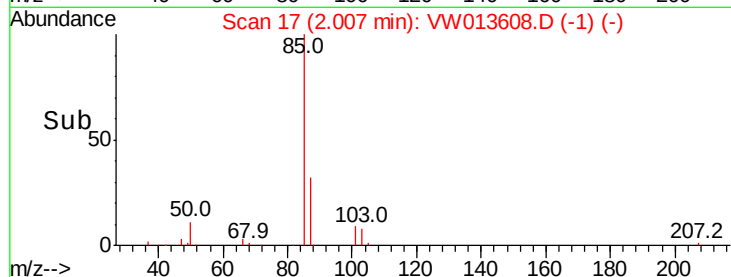
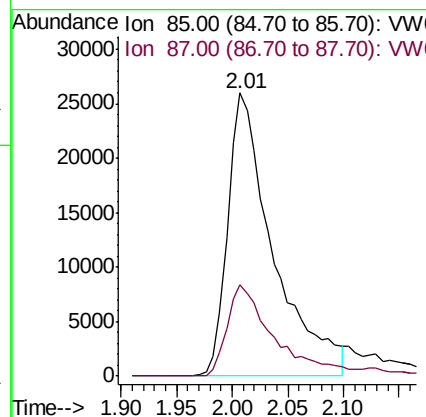
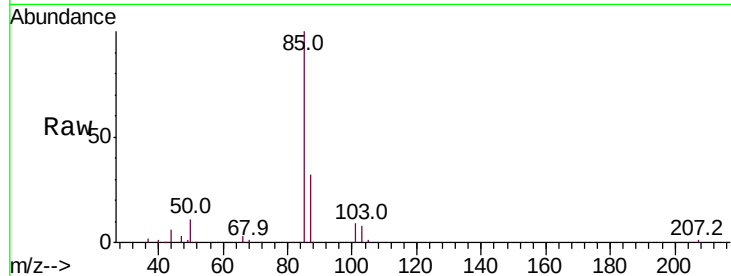
ClientSampleId :

Tot Ion: 85 Resp: 73435

Ion Ratio Lower Upper

85 100

87 28.3 20.4 38.0



#3

Chloromethane

Concen: 24.662 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013608.D

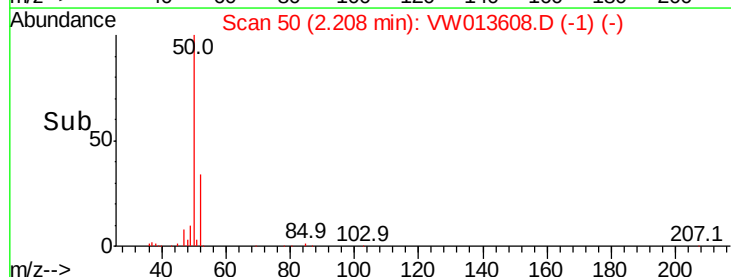
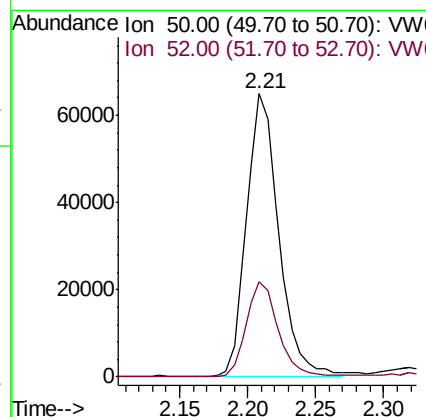
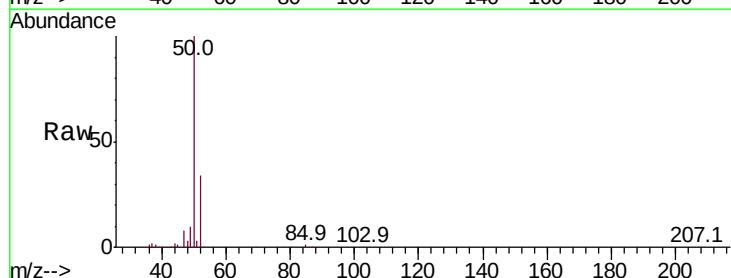
Acq: 17 Oct 2019 09:39

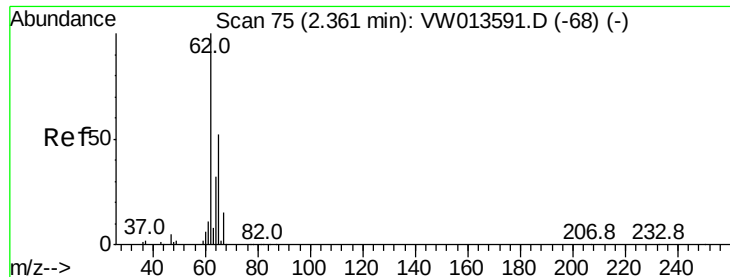
Tgt Ion: 50 Resp: 107404

Ion Ratio Lower Upper

50 100

52 33.6 22.6 42.0





#5

Vinyl chloride

Concen: 26.384 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

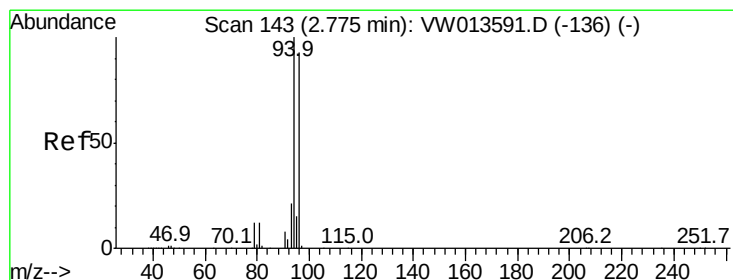
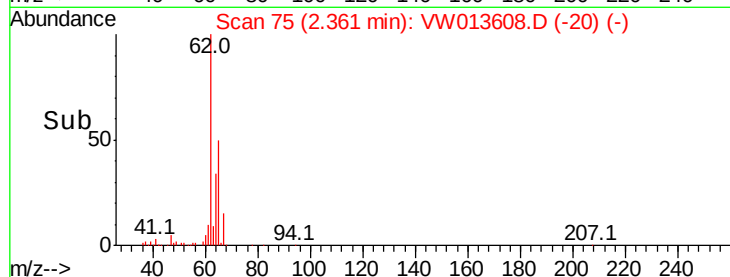
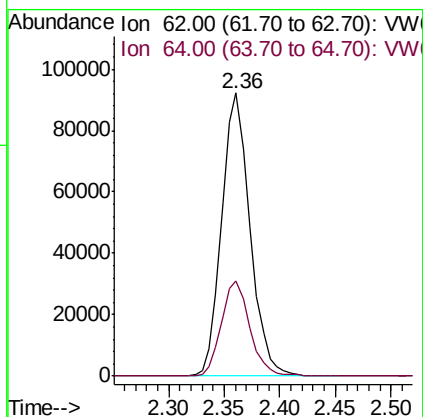
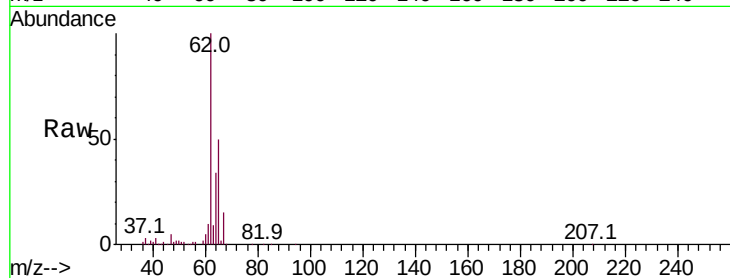
ClientSampleId :

Tot Ion: 62 Resp: 162568

Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.3



#6

Bromomethane

Concen: 25.827 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013608.D

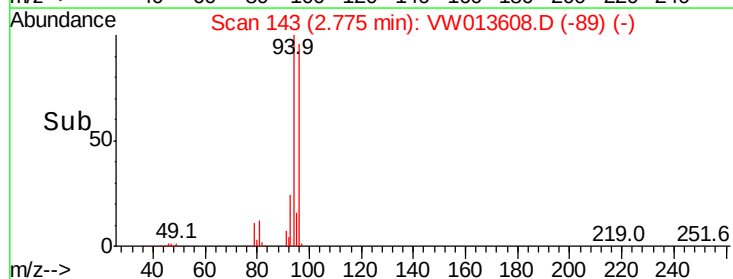
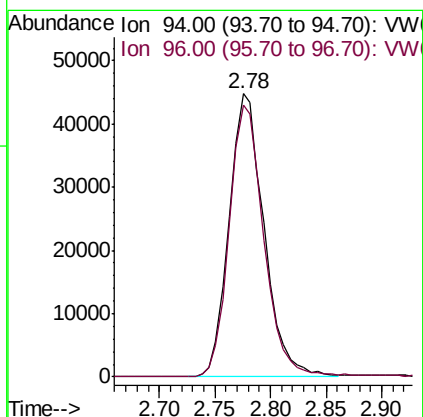
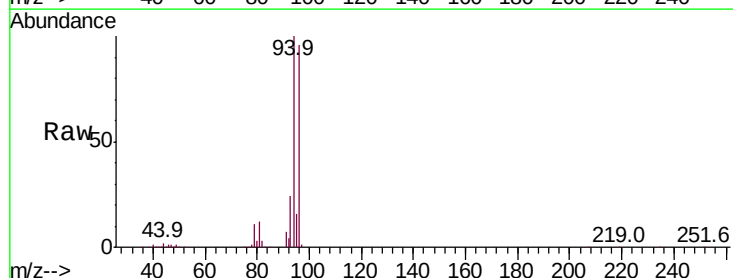
Acq: 17 Oct 2019 09:39

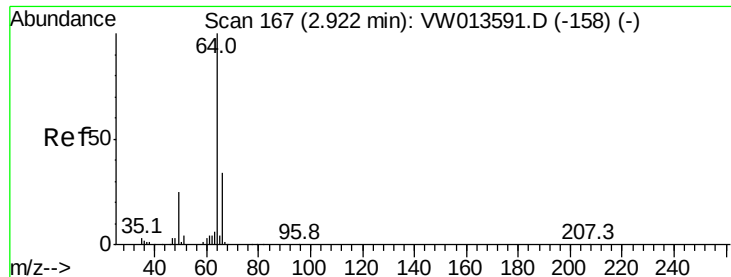
Tgt Ion: 94 Resp: 97471

Ion Ratio Lower Upper

94 100

96 94.9 9.5 179.9





#8

Chloroethane

Concen: 26.139 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

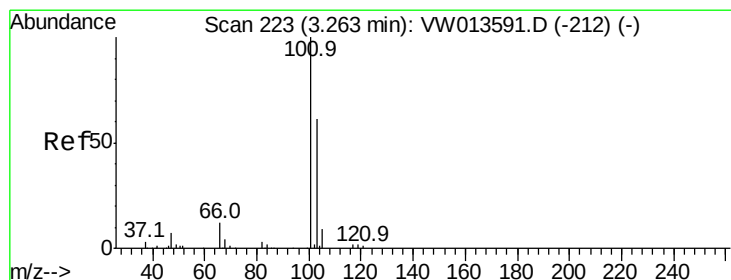
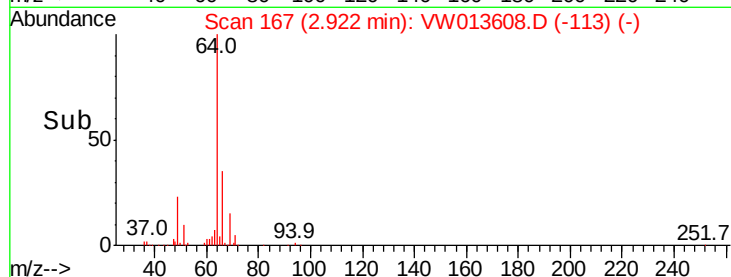
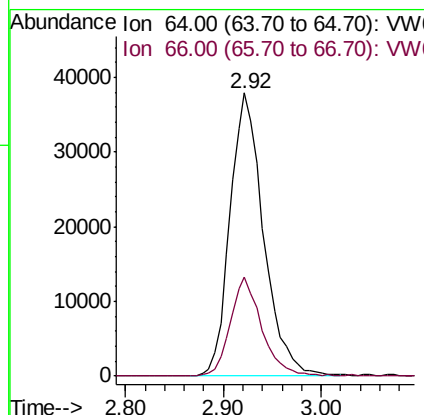
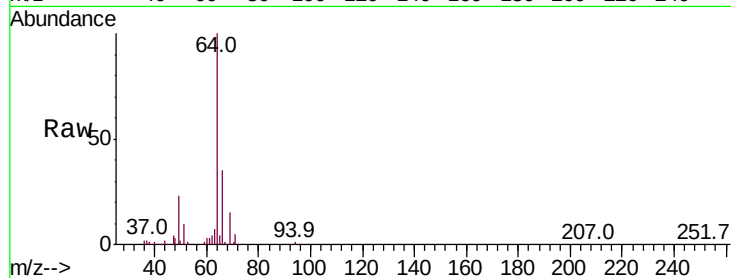
ClientSampleId :

Tot Ion: 64 Resp: 90337

Ion Ratio Lower Upper

64 100

66 34.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 26.823 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013608.D

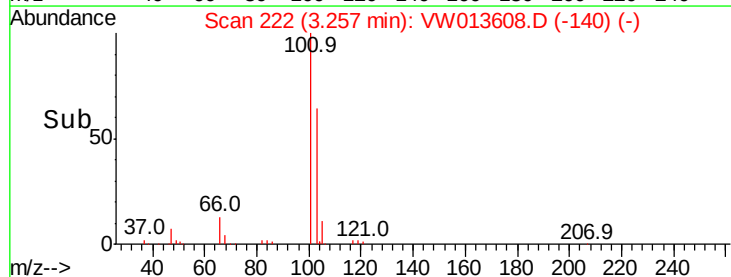
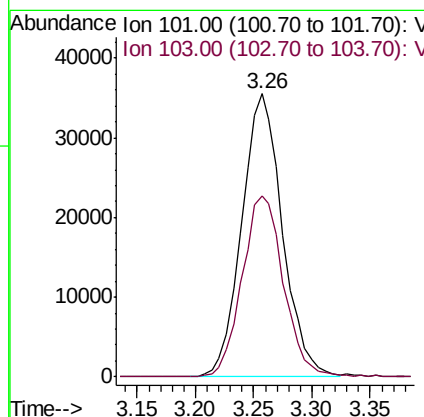
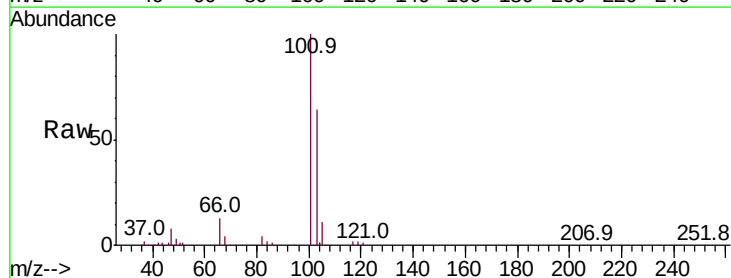
Acq: 17 Oct 2019 09:39

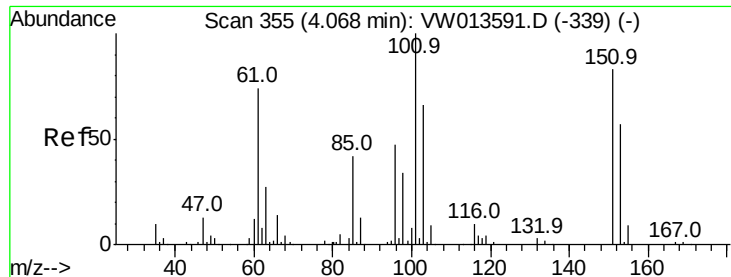
Tgt Ion: 101 Resp: 86159

Ion Ratio Lower Upper

101 100

103 65.3 46.0 85.4





#11

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

Concen: 26.652 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

ClientSampleId :

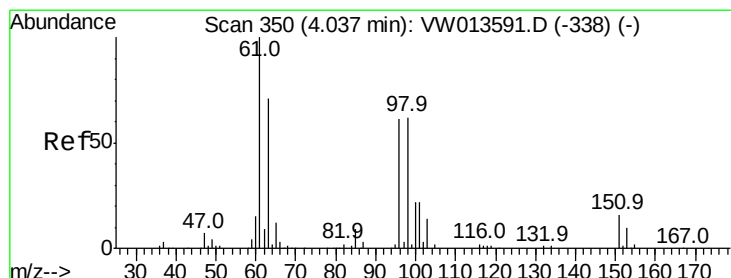
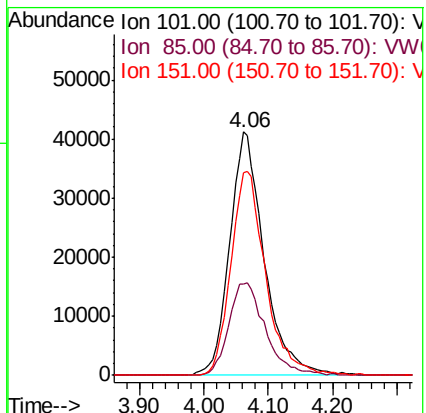
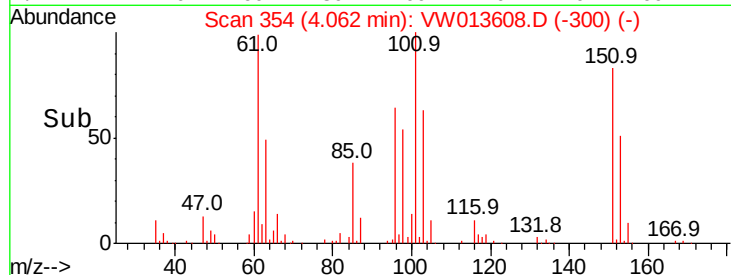
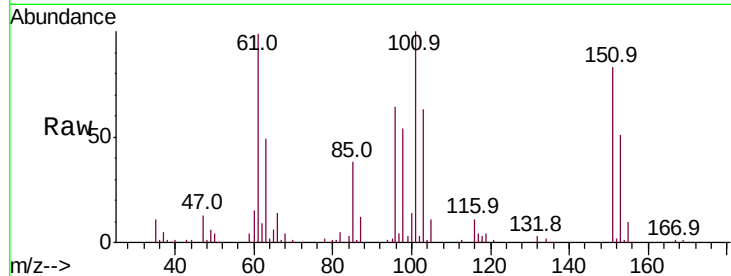
Tot Ion:101 Resp: 151932

Ion Ratio Lower Upper

101 100

85 40.6 32.0 48.0

151 84.6 67.0 100.6



#12

1,1-Dichloroethene

Concen: 27.221 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

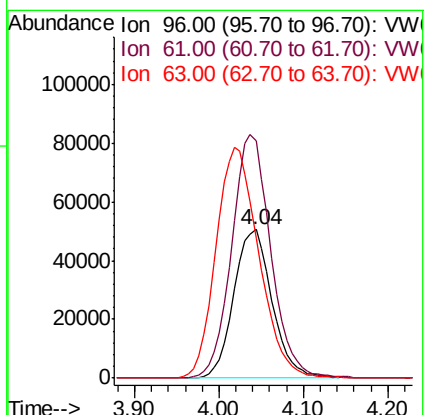
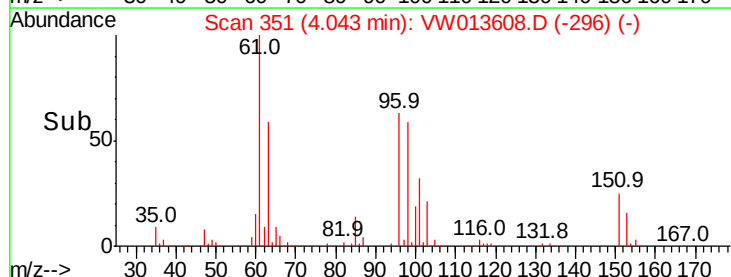
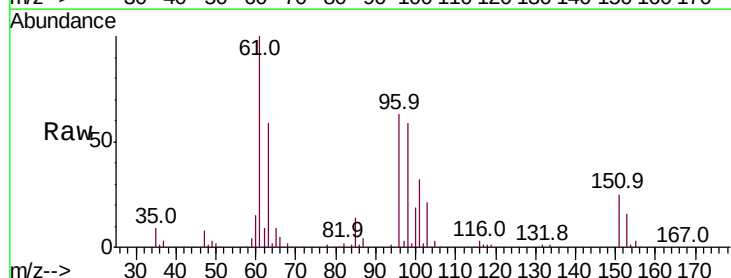
Tgt Ion: 96 Resp: 155430

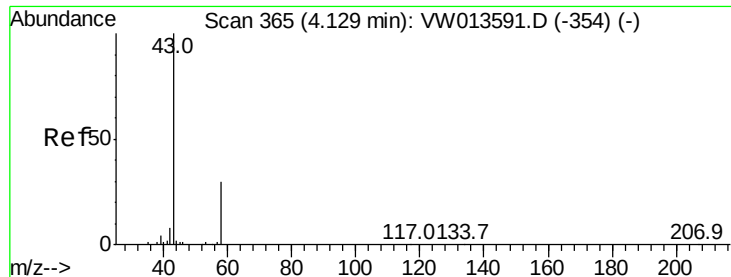
Ion Ratio Lower Upper

96 100

61 159.5 111.0 206.2

63 94.4 86.3 160.3





#13

Acetone

Concen: 46.276 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

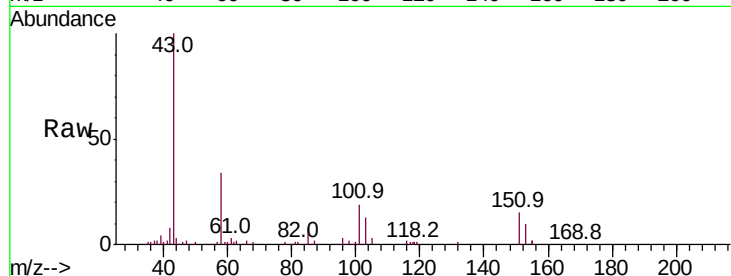
ClientSampled :

Tot Ion: 43 Resp: 83405

Ion Ratio Lower Upper

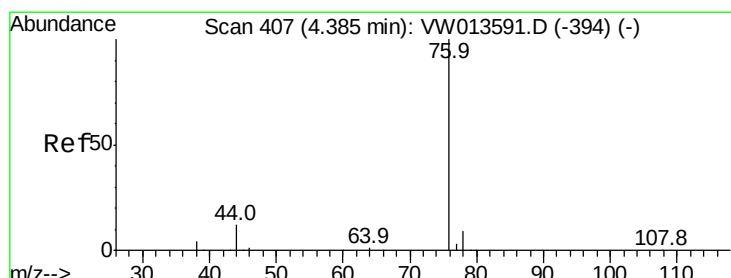
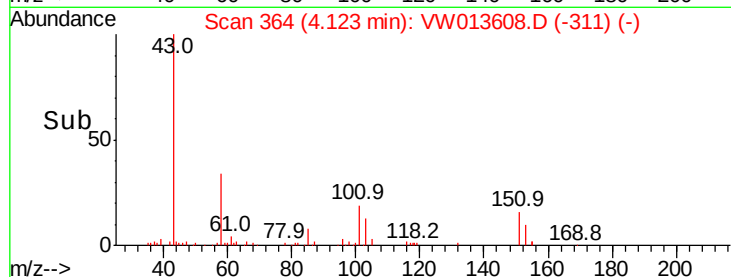
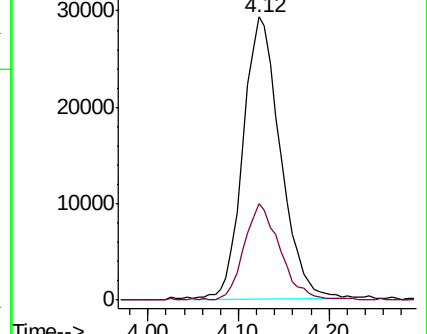
43 100

58 32.7 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.911 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013608.D

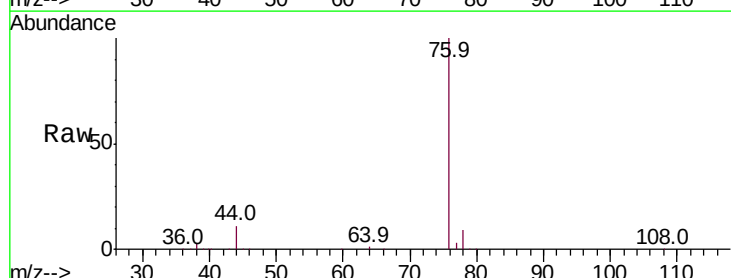
Acq: 17 Oct 2019 09:39

Tgt Ion: 76 Resp: 451500

Ion Ratio Lower Upper

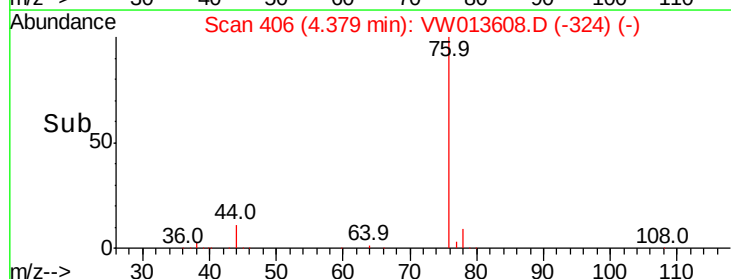
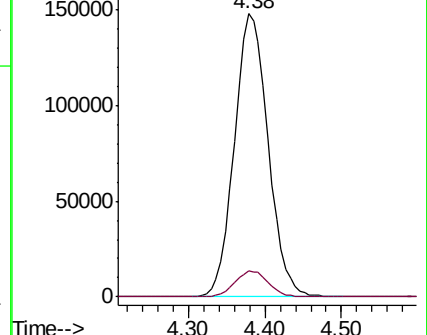
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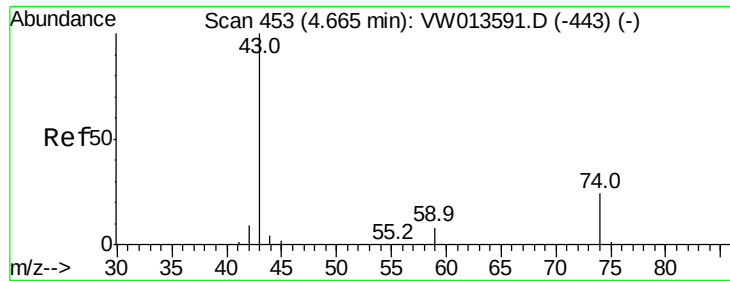
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

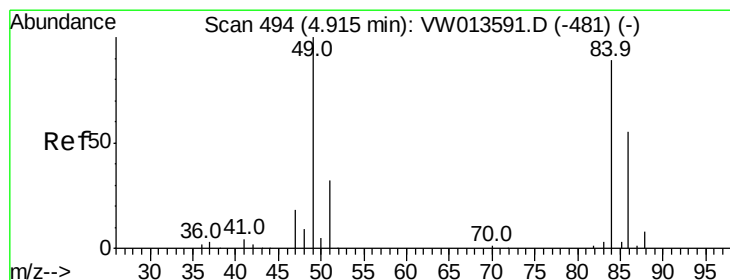
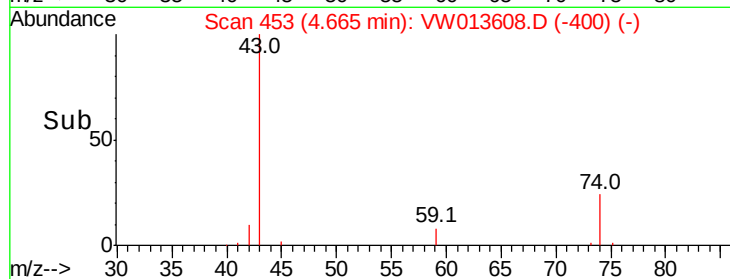
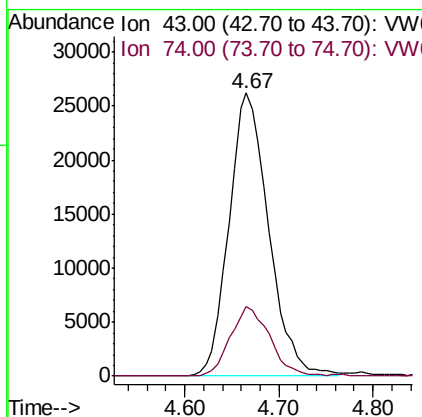
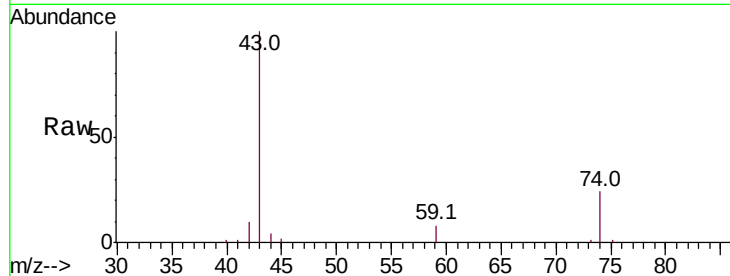




#15
Methyl Acetate
Concen: 27.274 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

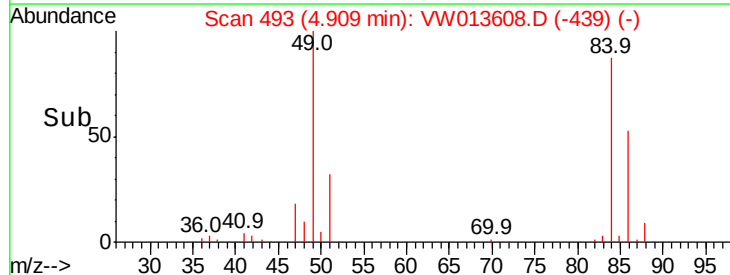
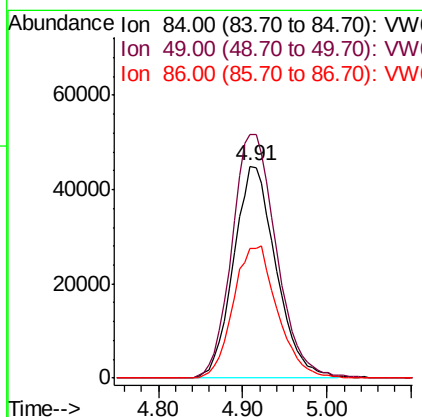
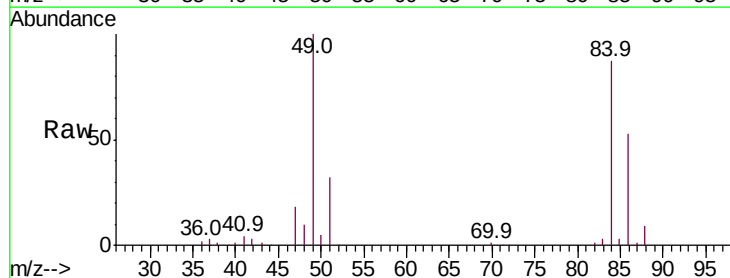
Instrument :
MSVOA_W
ClientSampled :

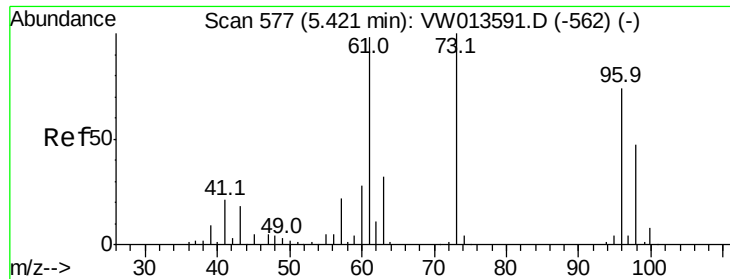
Tot Ion: 43 Resp: 76678
Ion Ratio Lower Upper
43 100
74 24.4 18.7 28.1



#16
Methylene chloride
Concen: 22.393 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Tgt Ion: 84 Resp: 154279
Ion Ratio Lower Upper
84 100
49 114.5 81.3 151.1
86 60.9 46.3 86.1

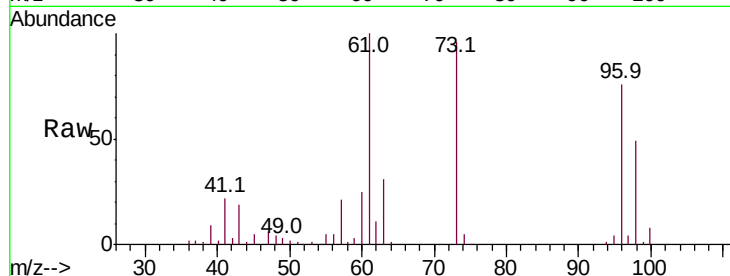




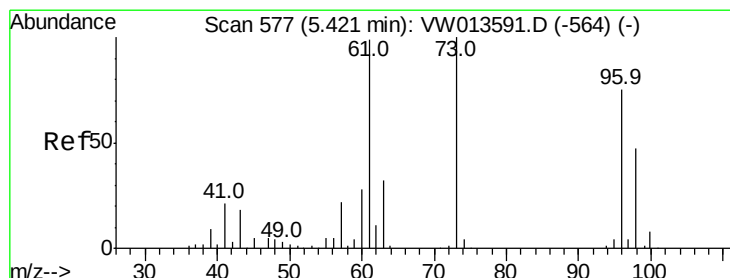
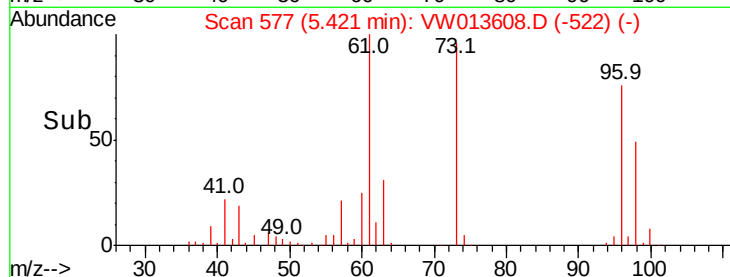
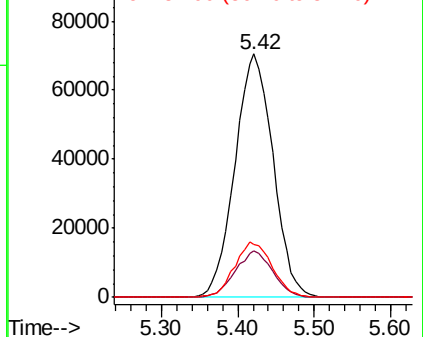
#17
Methyl tert-butyl Ether
Concen: 26.627 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 244324
Ion Ratio Lower Upper
73 100
43 18.9 15.0 22.4
57 22.3 18.1 27.1

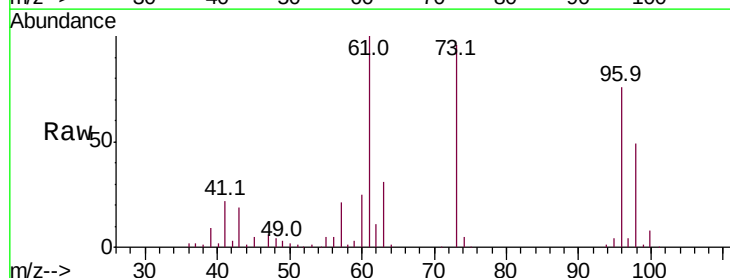


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

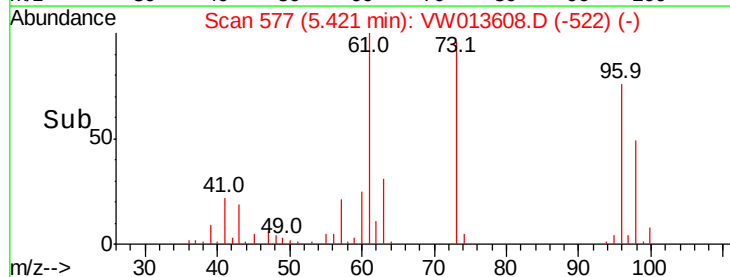
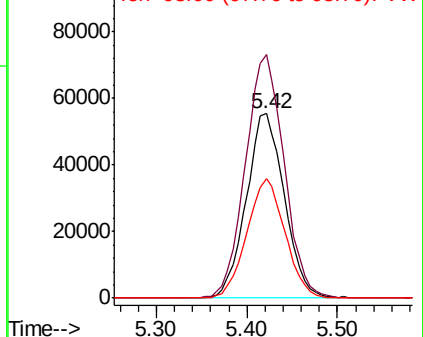


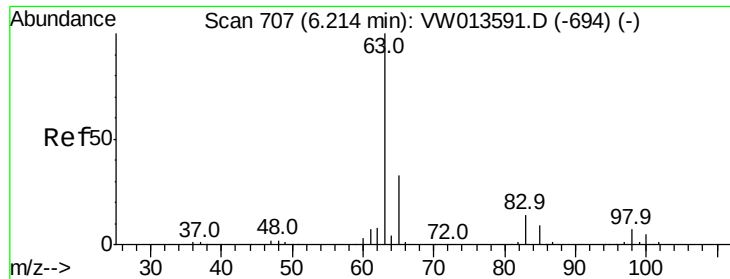
#18
trans-1,2-Dichloroethene
Concen: 26.518 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Tgt Ion: 96 Resp: 161583
Ion Ratio Lower Upper
96 100
61 132.0 93.7 173.9
98 64.7 46.1 85.7



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



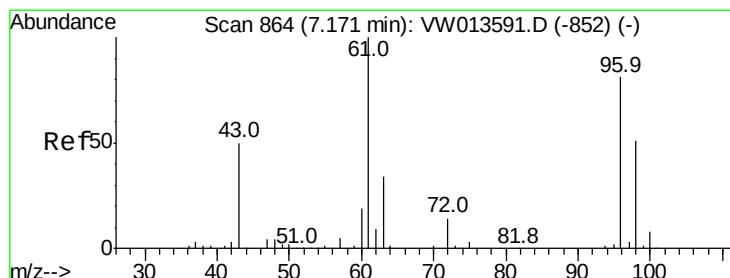
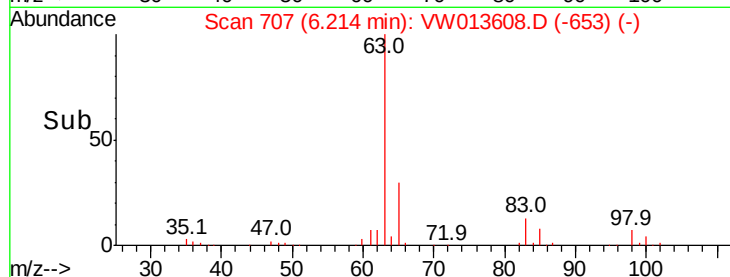
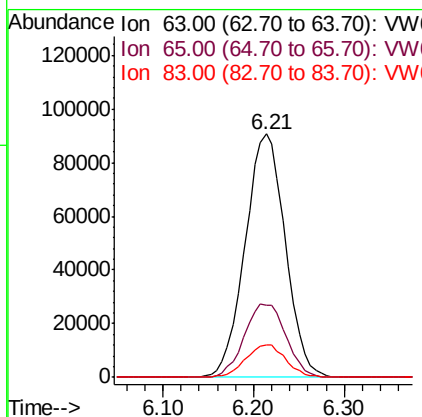
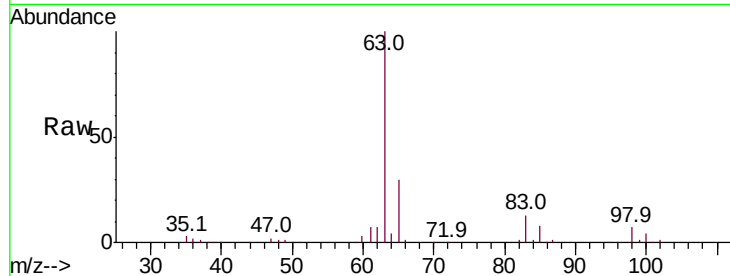


#19
 1,1-Dichloroethane
 Concen: 27.202 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013608.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 278283

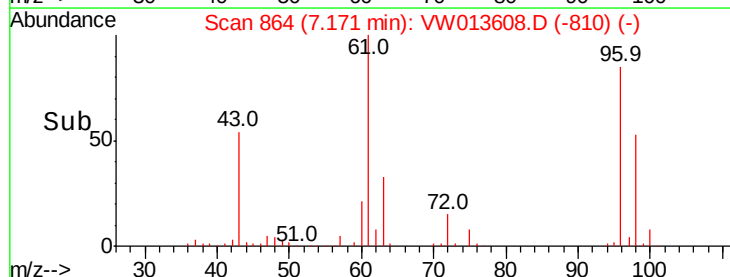
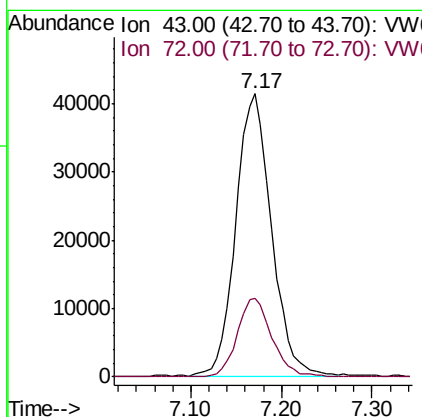
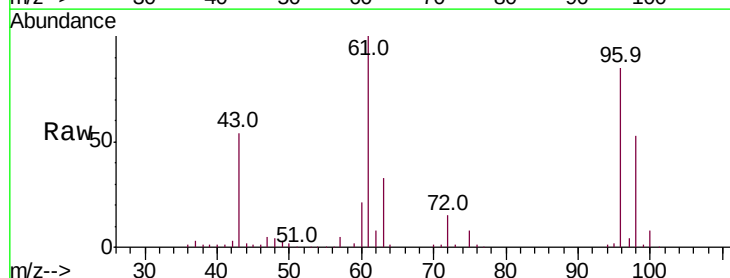
Ion	Ratio	Lower	Upper
63	100		
65	29.9	21.6	40.0
83	13.4	9.0	16.6

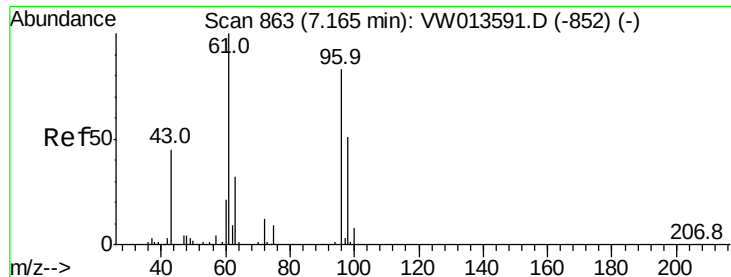


#21
 2-Butanone
 Concen: 51.029 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013608.D
 Acq: 17 Oct 2019 09:39

Tgt Ion: 43 Resp: 112513

Ion	Ratio	Lower	Upper
43	100		
72	27.2	13.5	40.4



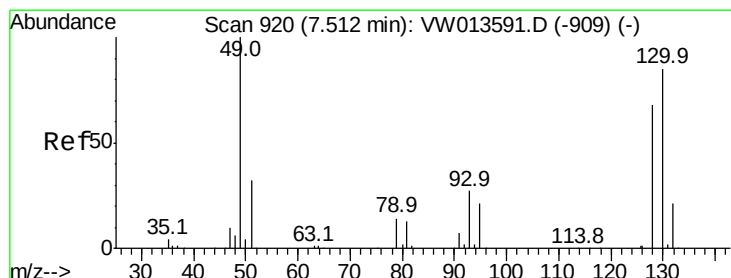
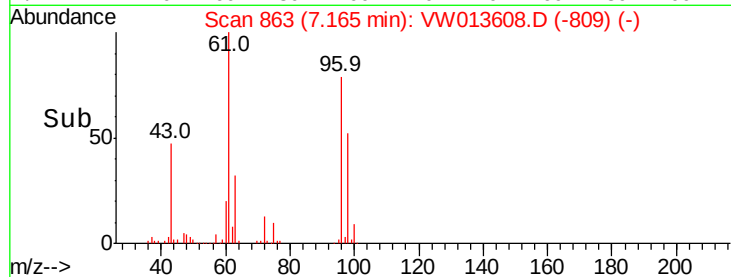
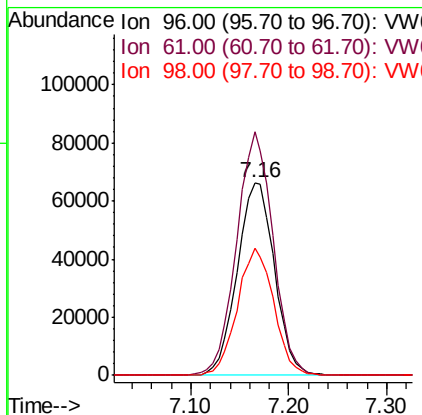
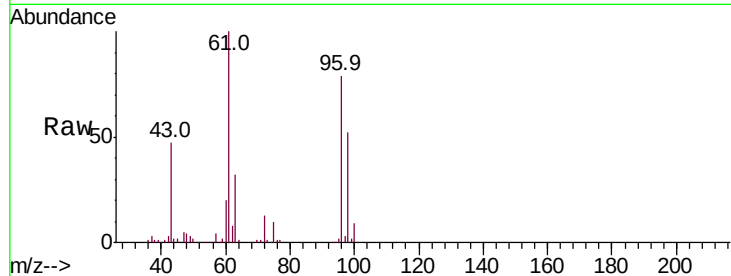


#22

cis-1,2-Dichloroethene
Concen: 26.914 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_W
ClientSampled :

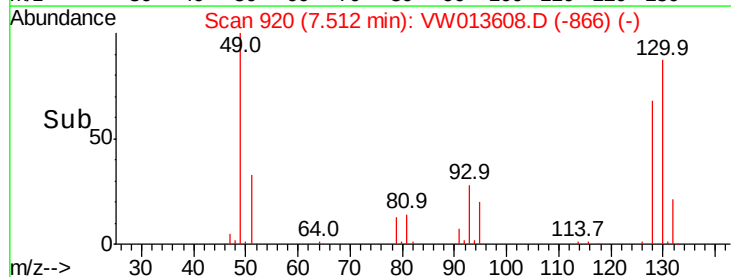
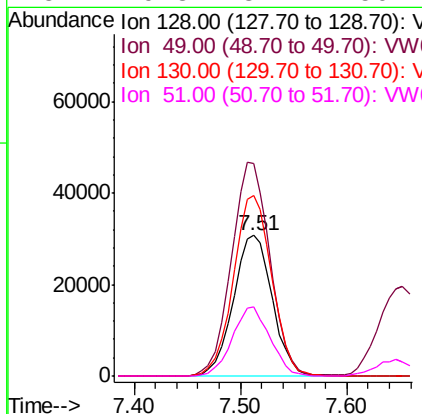
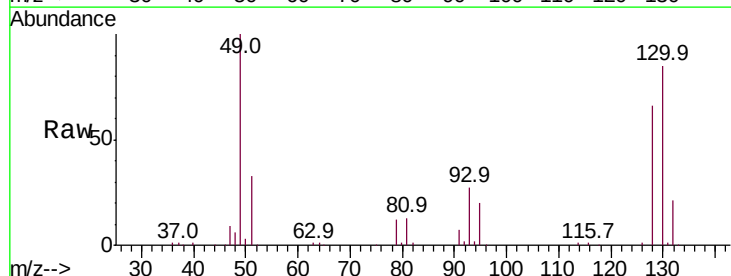
Tot Ion	96	Resp	175399
Ion Ratio	Lower	Upper	
96	100		
61	126.5	86.0	159.8
98	66.3	44.4	82.5

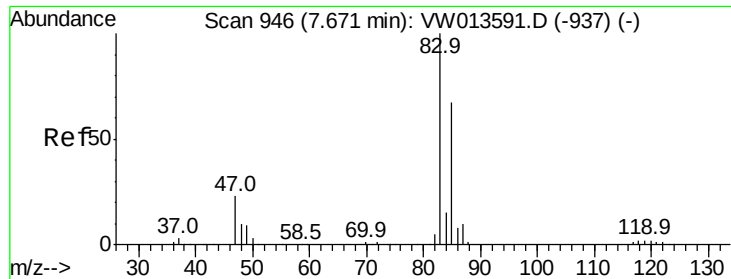


#23

Bromochloromethane
Concen: 27.017 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Tgt Ion	128	Resp	78836
Ion Ratio	Lower	Upper	
128	100		
49	151.4	108.0	200.6
130	128.0	89.4	166.0
51	49.3	37.4	56.2

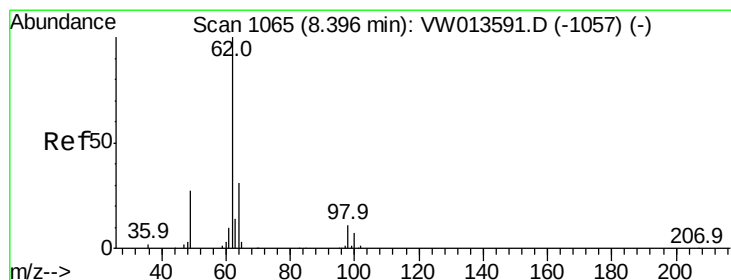
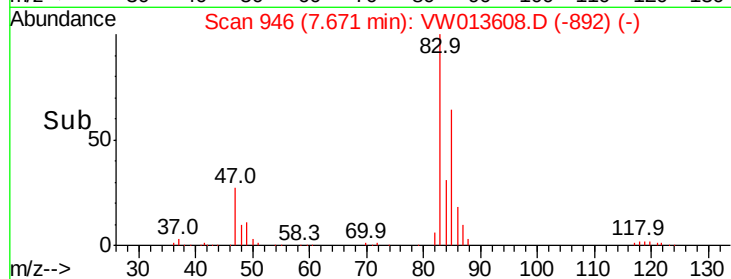
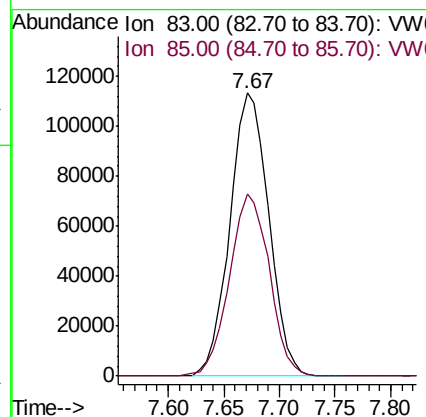
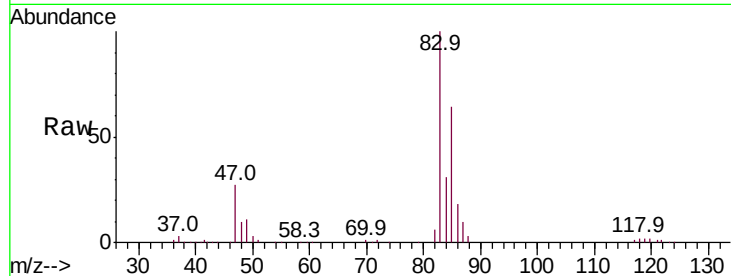




#25
Chloroform
Concen: 27.221 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

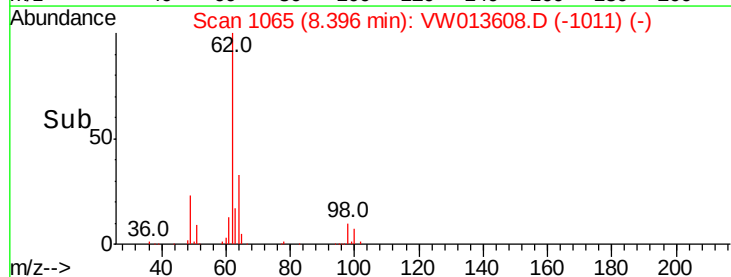
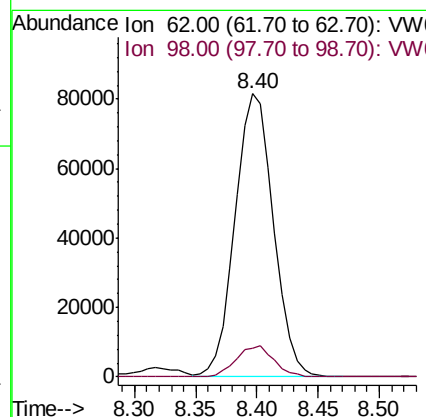
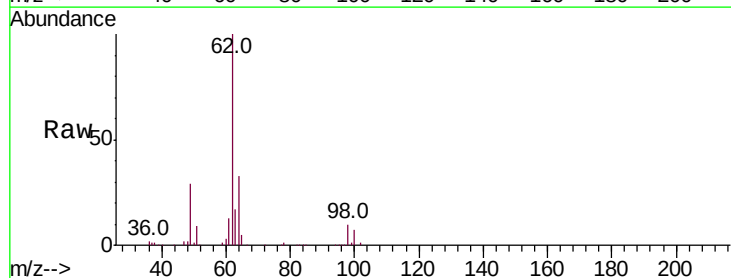
Instrument :
MSVOA_W
ClientSampleId :

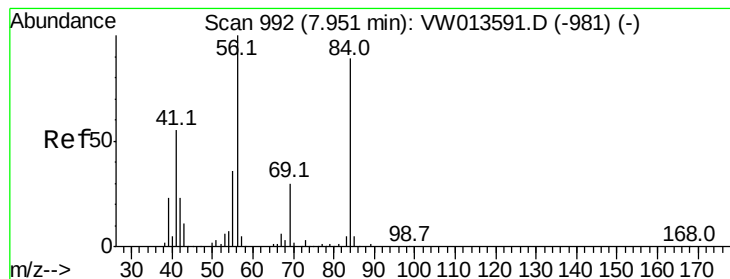
Tot Ion: 83 Resp: 274715
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 27.766 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Tgt Ion: 62 Resp: 177232
Ion Ratio Lower Upper
62 100
98 10.1 9.0 13.4





#30

Cyclohexane

Concen: 25.672 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_W
ClientSampled :

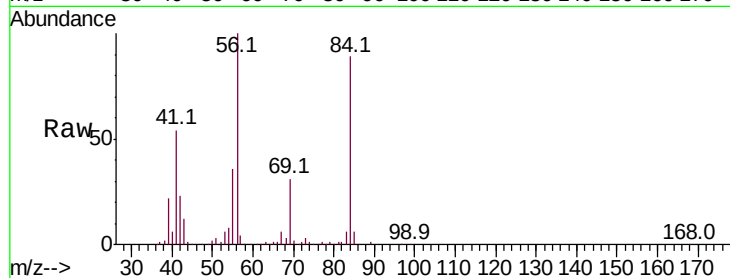
Tot Ion: 56 Resp: 271932

Ion Ratio Lower Upper

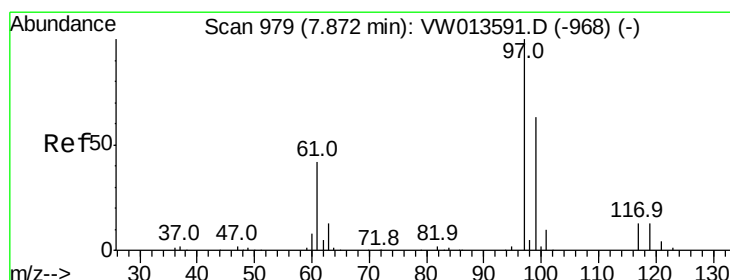
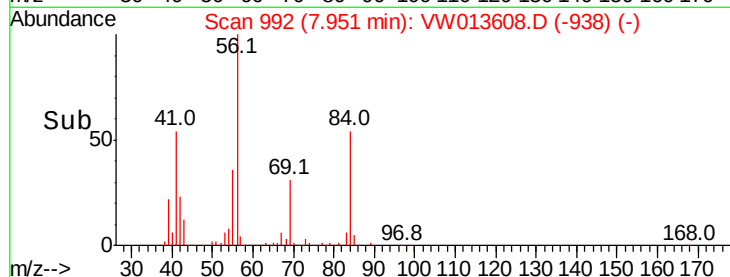
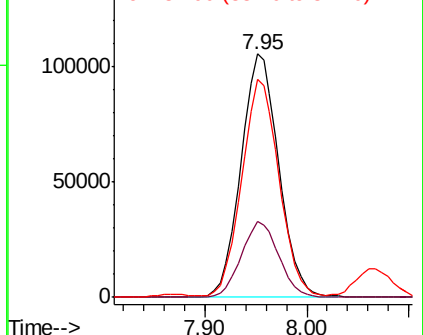
56 100

69 30.7 24.7 37.1

84 88.5 70.4 105.6



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



#31

1,1,1-Trichloroethane

Concen: 27.483 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

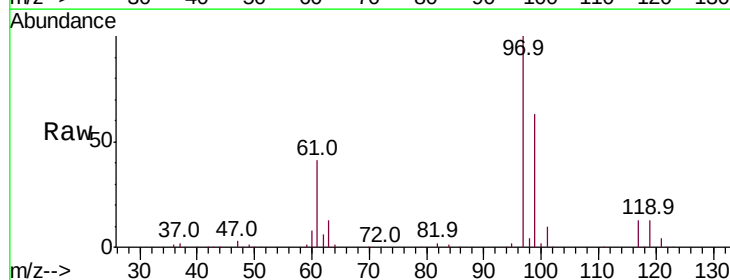
Tgt Ion: 97 Resp: 222999

Ion Ratio Lower Upper

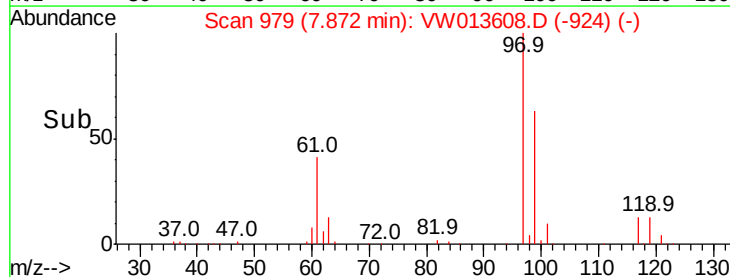
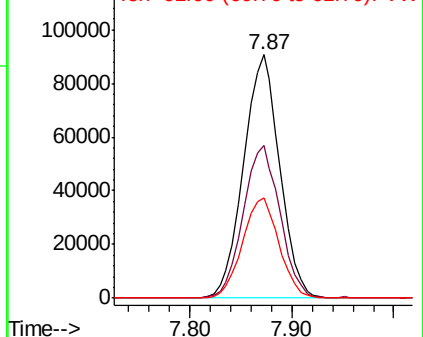
97 100

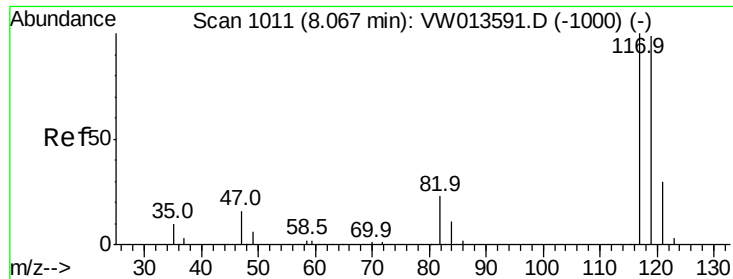
99 63.8 51.8 77.8

61 41.7 33.7 50.5



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: 27.249 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

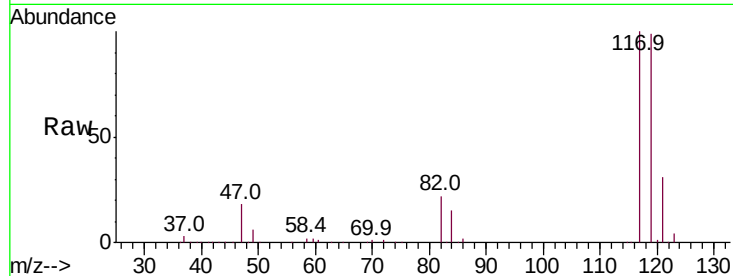
ClientSampled :

Tot Ion:117 Resp: 212082

Ion Ratio Lower Upper

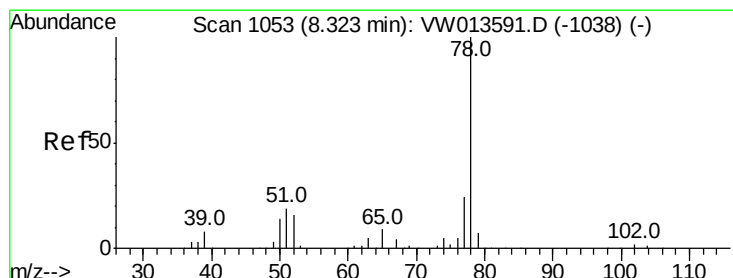
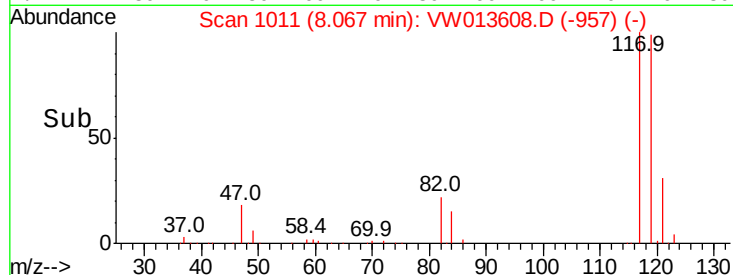
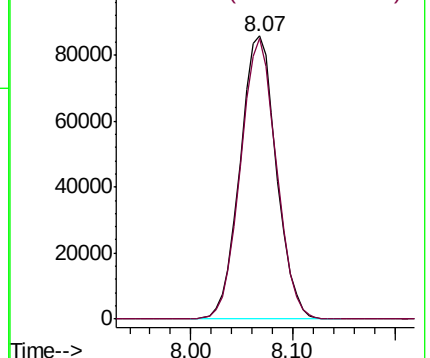
117 100

119 97.6 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.385 ug/L

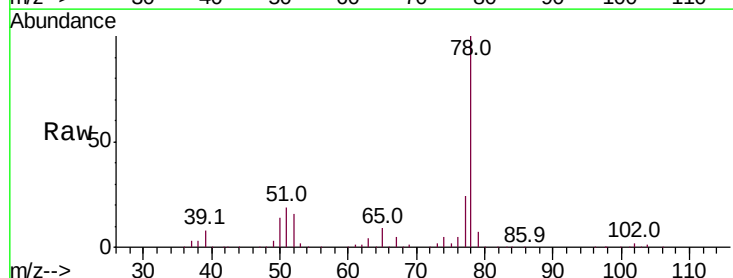
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

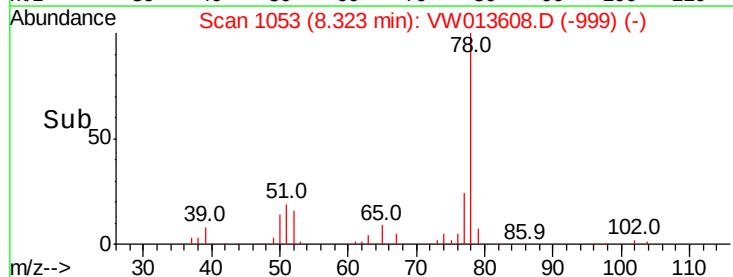
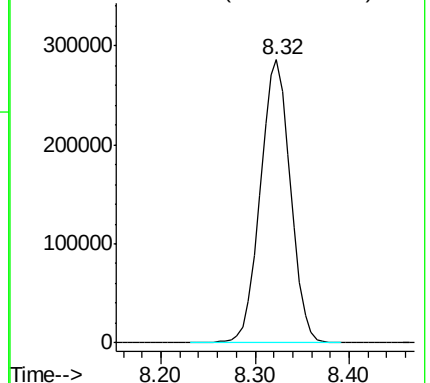
Lab File: VW013608.D

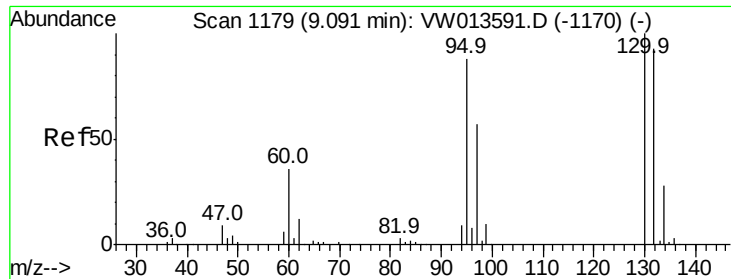
Acq: 17 Oct 2019 09:39

Tgt Ion: 78 Resp: 642176



Abundance Ion 78.00 (77.70 to 78.70): VW

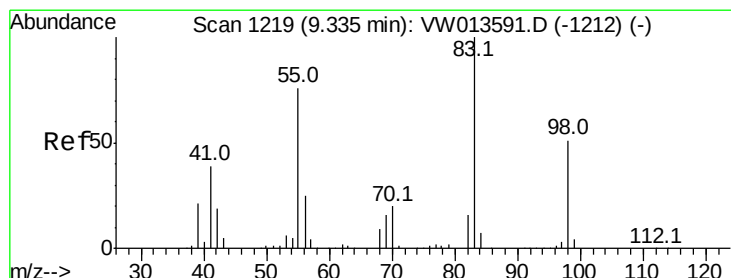
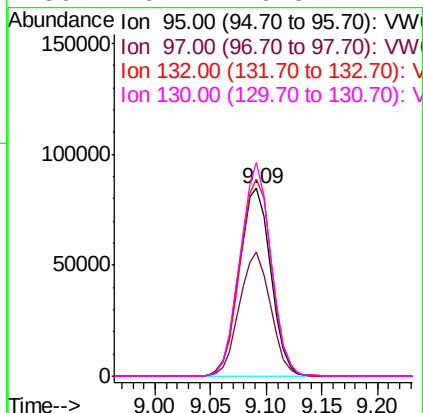
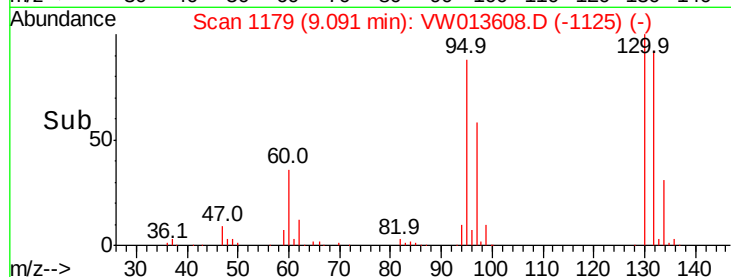
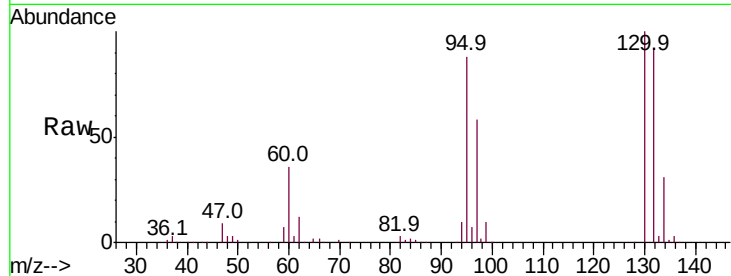




#35
 Trichloroethene
 Concen: 26.540 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013608.D
 Acq: 17 Oct 2019 09:39

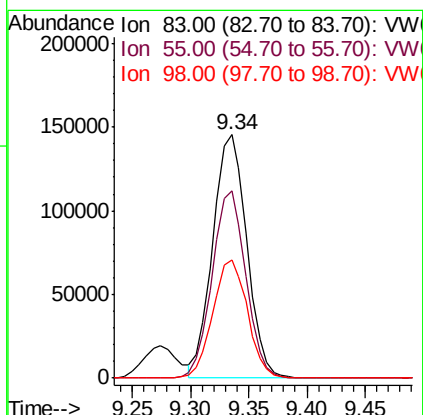
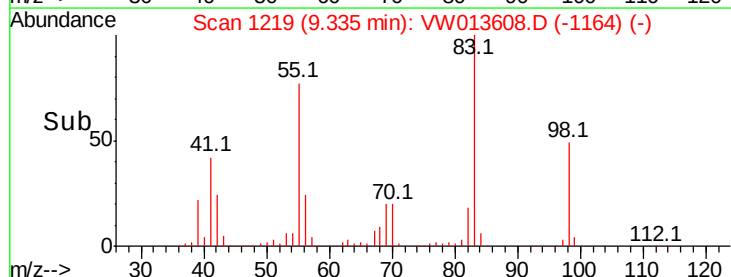
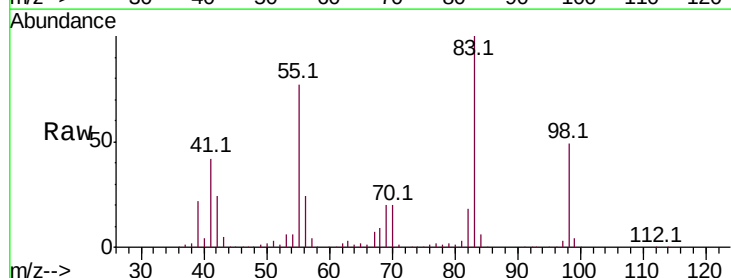
Instrument :
 MSVOA_W
 ClientSampled :

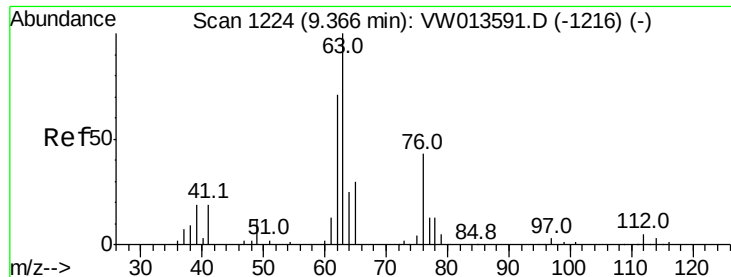
Tot Ion:	95	Resp:	168489
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.7
132	104.9	73.6	136.8
130	110.1	76.3	141.7



#36
 Methylcyclohexane
 Concen: 25.408 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013608.D
 Acq: 17 Oct 2019 09:39

Tgt Ion:	83	Resp:	293330
Ion	Ratio	Lower	Upper
83	100		
55	76.3	60.4	90.6
98	49.7	39.3	58.9





#40

1,2-Dichloropropane

Concen: 26.969 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

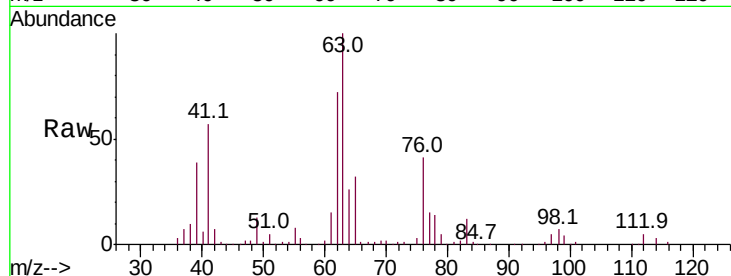
ClientSampled :

Tot Ion: 63 Resp: 158122

Ion Ratio Lower Upper

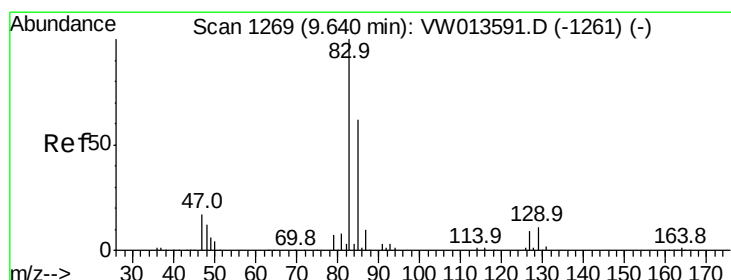
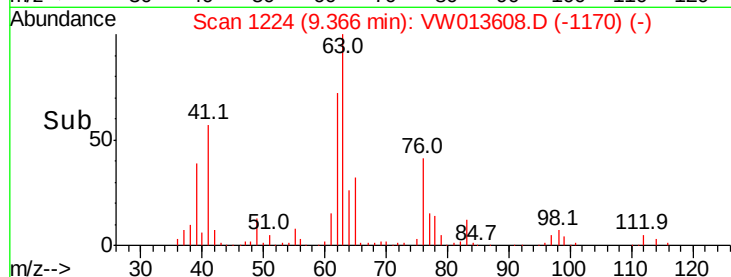
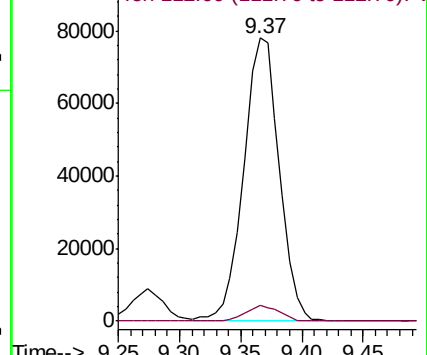
63 100

112 5.3 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.241 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

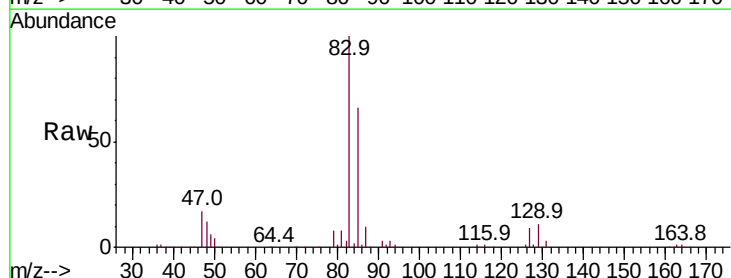
Tgt Ion: 83 Resp: 196176

Ion Ratio Lower Upper

83 100

85 65.7 45.1 83.9

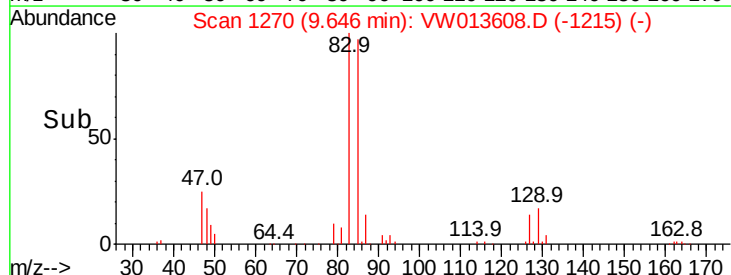
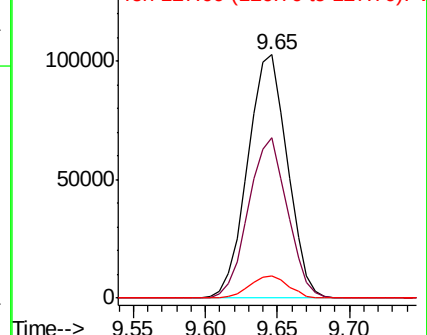
127 9.4 7.1 10.7

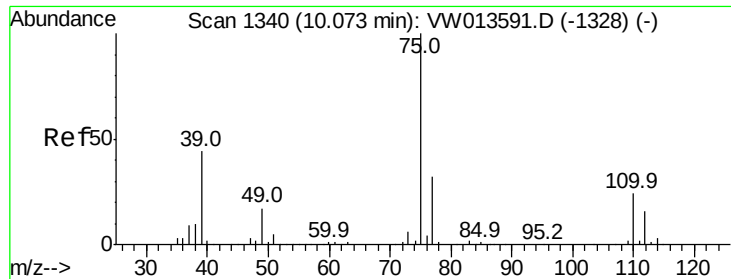


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.774 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

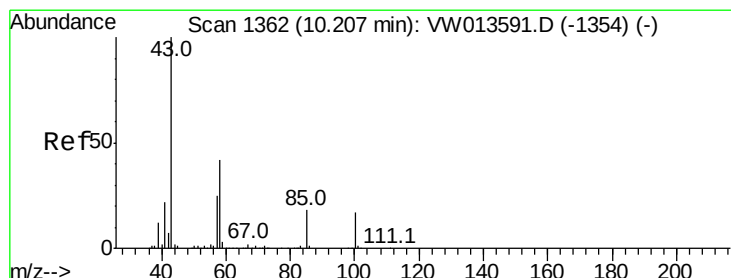
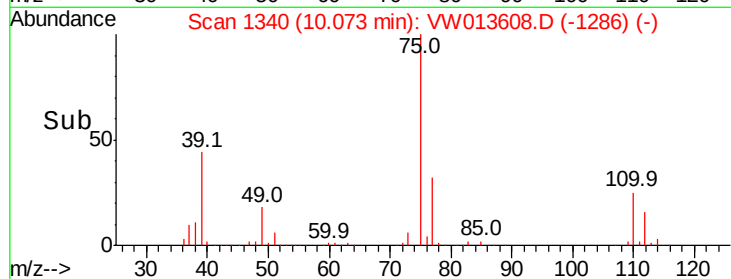
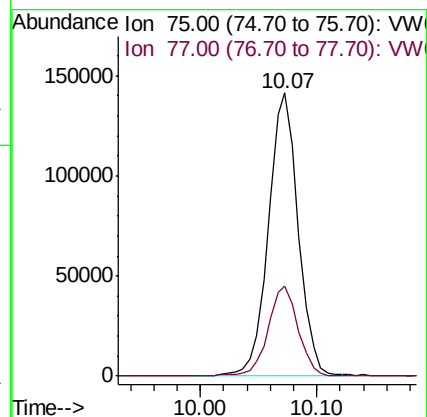
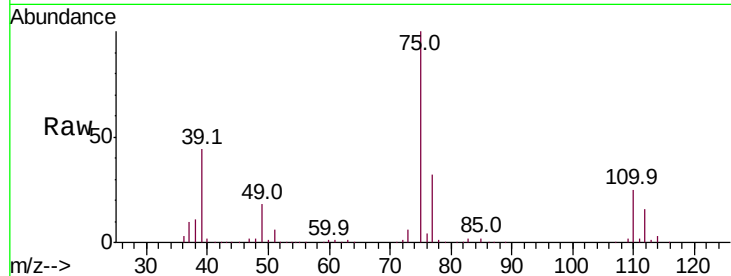
ClientSampleId :

Tot Ion: 75 Resp: 251837

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 52.499 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

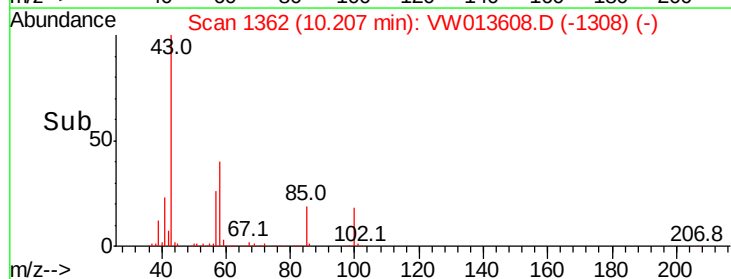
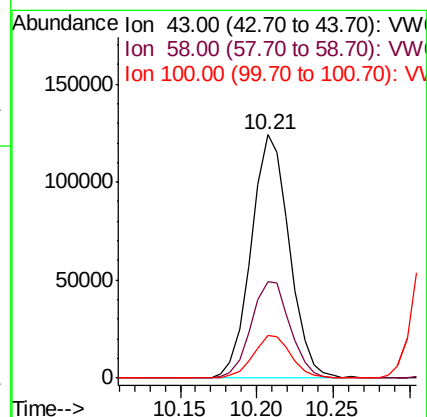
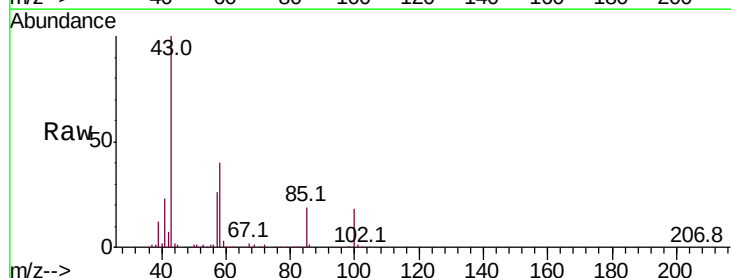
Tgt Ion: 43 Resp: 214766

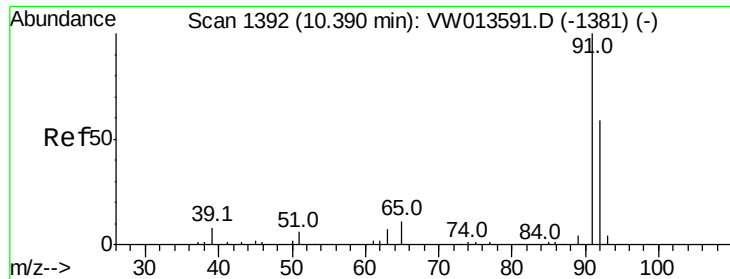
Ion Ratio Lower Upper

43 100

58 40.9 32.0 48.0

100 17.4 13.7 20.5





#44

Toluene

Concen: 26.663 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

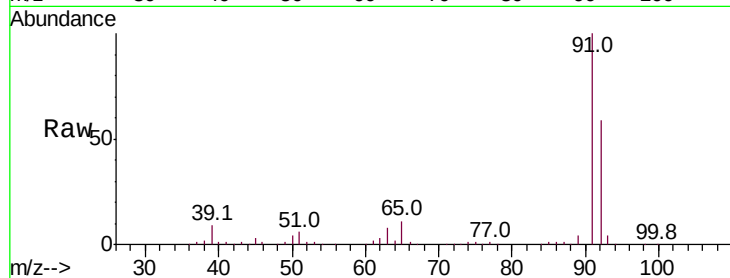
ClientSampleId :

Tot Ion: 91 Resp: 703258

Ion Ratio Lower Upper

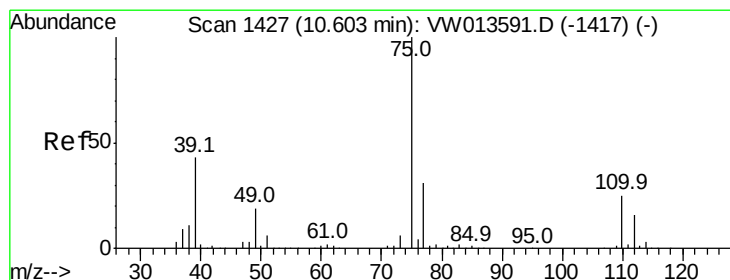
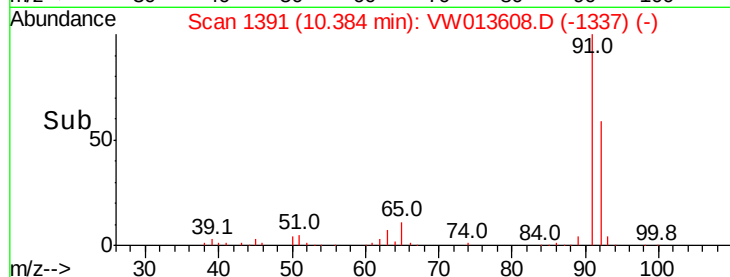
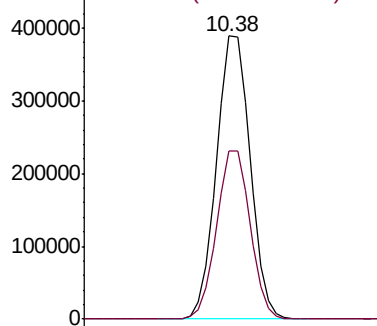
91 100

92 59.5 40.0 74.4



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: 28.005 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013608.D

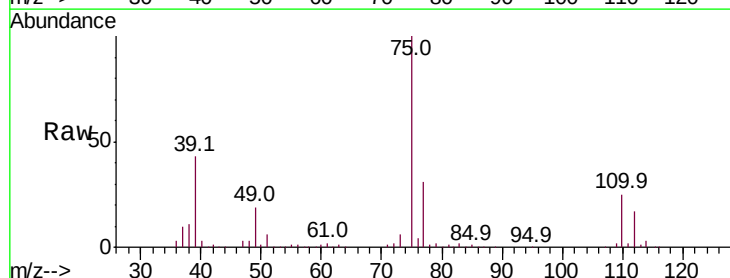
Acq: 17 Oct 2019 09:39

Tgt Ion: 75 Resp: 208002

Ion Ratio Lower Upper

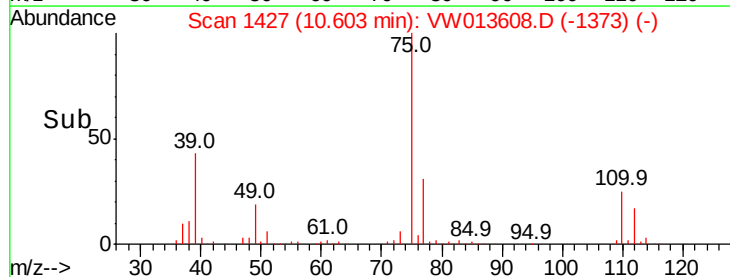
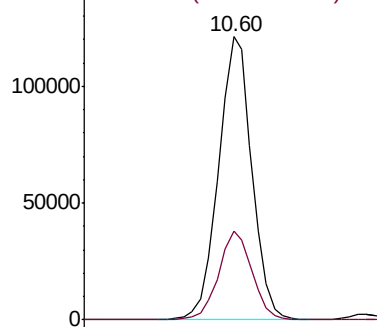
75 100

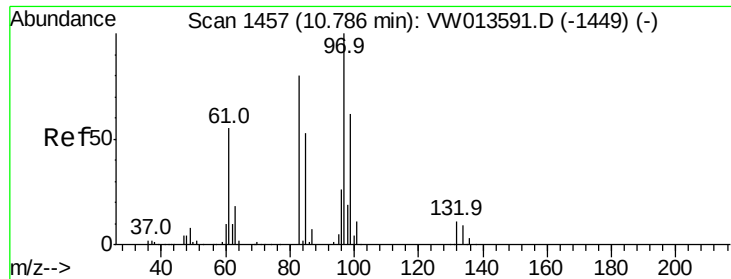
77 31.4 23.0 42.6



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: 27.404 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 121967

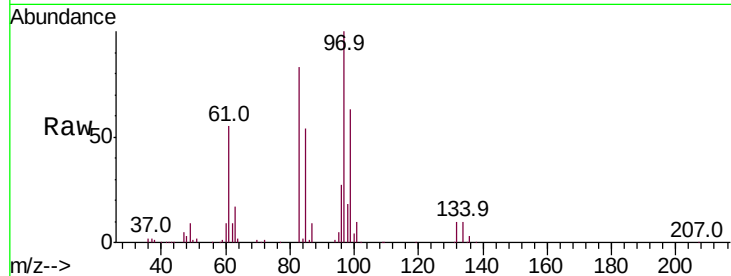
Ion	Ratio	Lower	Upper
97	100		
83	83.3	57.5	106.9
85	54.4	36.8	68.4
99	63.4	44.0	81.6

97 100

83 83.3 57.5 106.9

85 54.4 36.8 68.4

99 63.4 44.0 81.6



Abundance

Ion 97.00 (96.70 to 97.70): VW

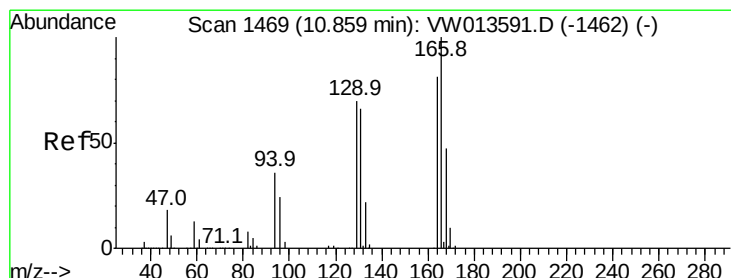
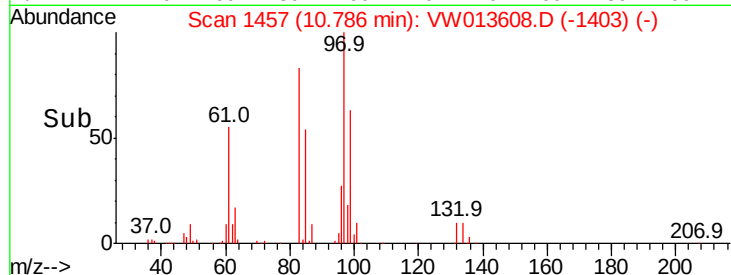
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.79

Time-->



#47

Tetrachloroethene

Concen: 26.194 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Tgt Ion:164 Resp: 151560

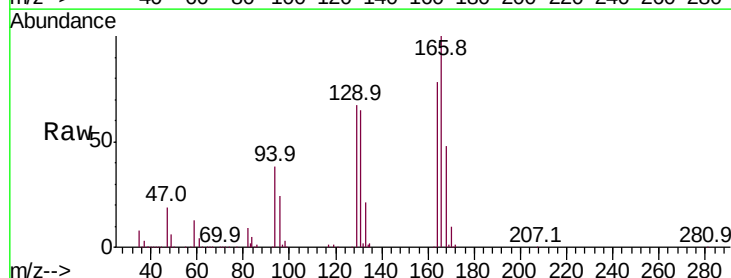
Ion	Ratio	Lower	Upper
164	100		
129	86.4	60.2	111.8
131	82.8	57.0	105.9
166	128.0	91.2	169.4

164 100

129 86.4 60.2 111.8

131 82.8 57.0 105.9

166 128.0 91.2 169.4



Abundance

Ion 164.00 (163.70 to 164.70): V

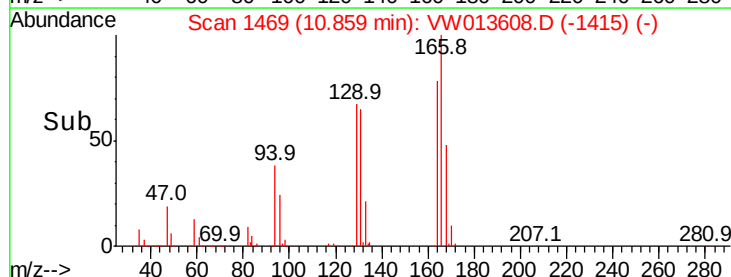
Ion 129.00 (128.70 to 129.70): V

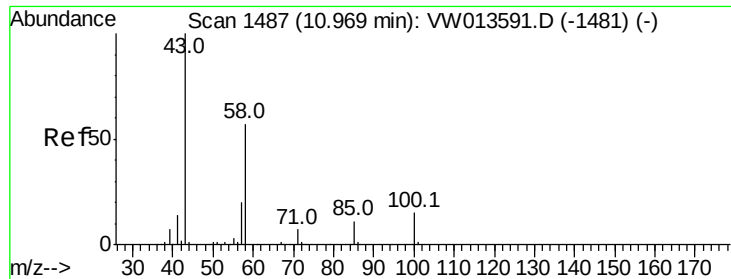
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

10.86

Time-->

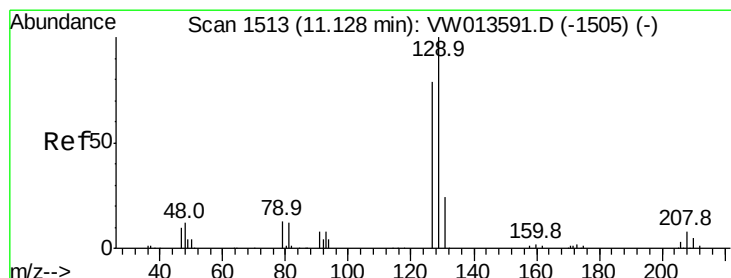
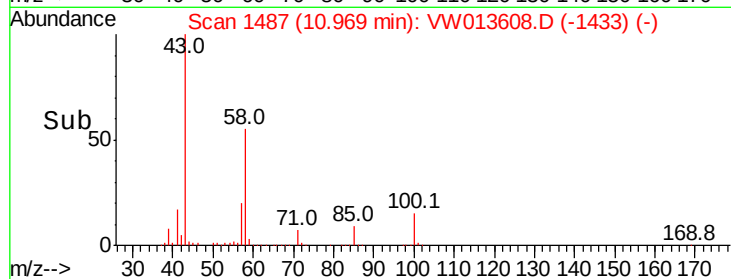
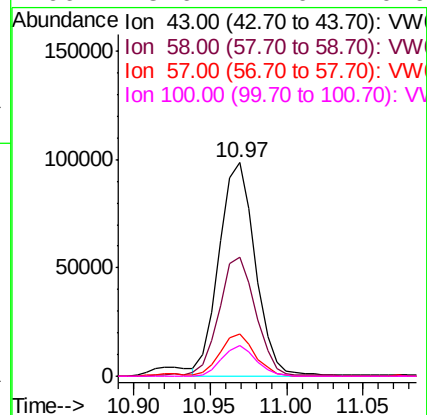
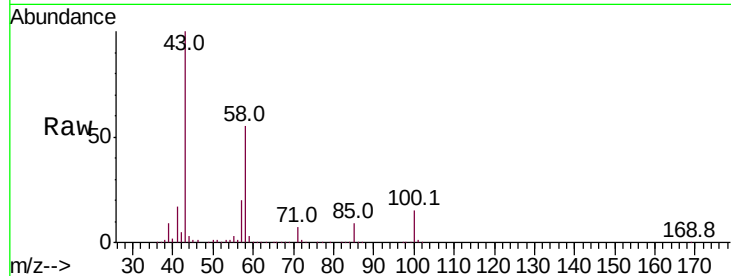




#49
2-Hexanone
Concen: 55.065 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

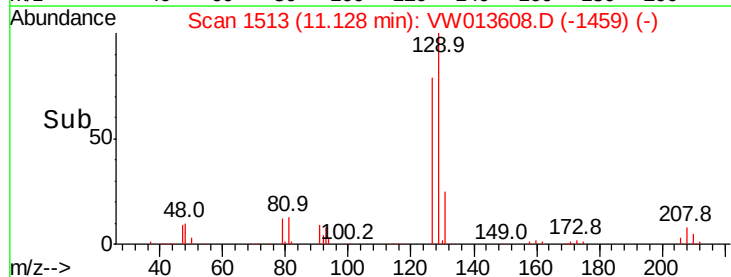
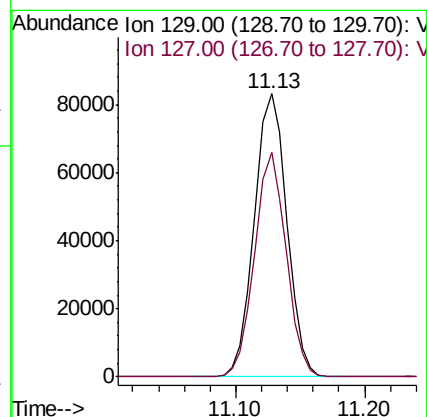
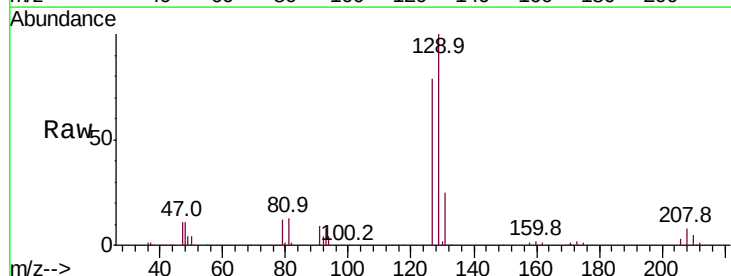
Instrument :
MSVOA_W
ClientSampled :

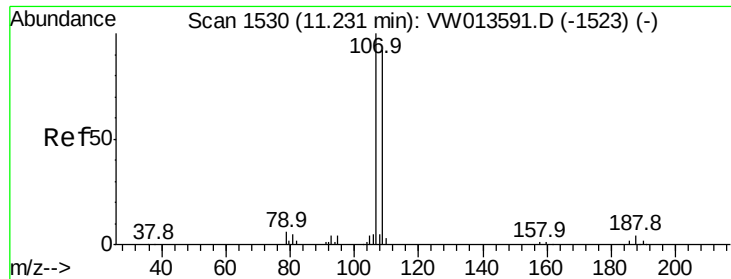
Tot Ion: 43 Resp: 163716
Ion Ratio Lower Upper
43 100
58 56.7 45.2 67.8
57 19.1 15.8 23.8
100 13.6 11.0 16.6



#50
Dibromochloromethane
Concen: 27.685 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Tgt Ion: 129 Resp: 145074
Ion Ratio Lower Upper
129 100
127 79.1 54.7 101.5

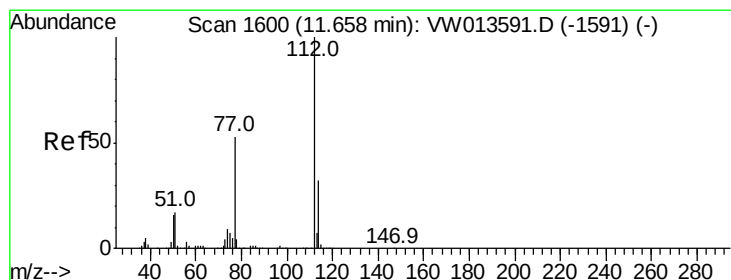
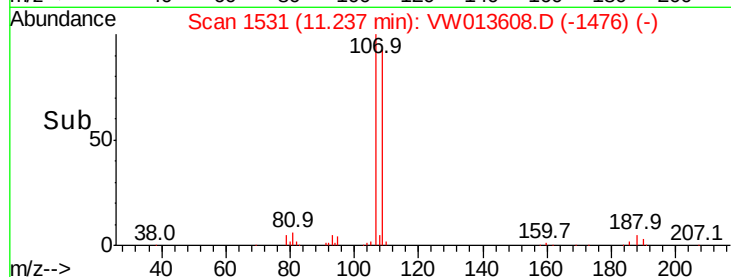
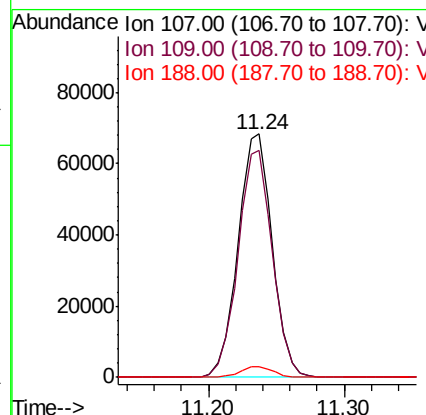
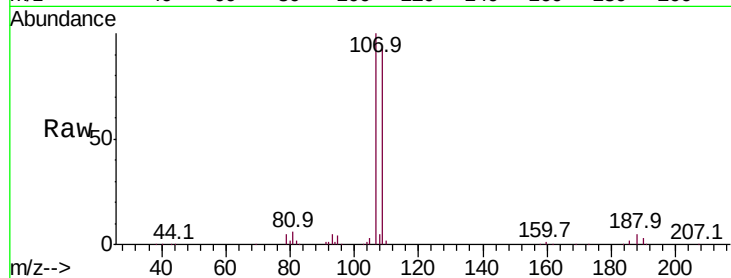




#51
1,2-Dibromoethane
Concen: 27.304 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

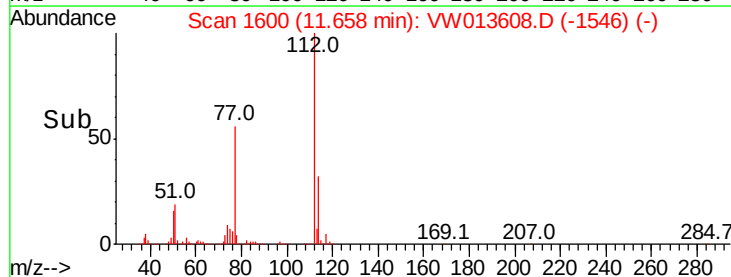
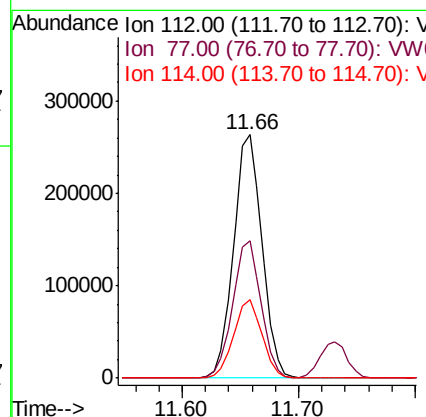
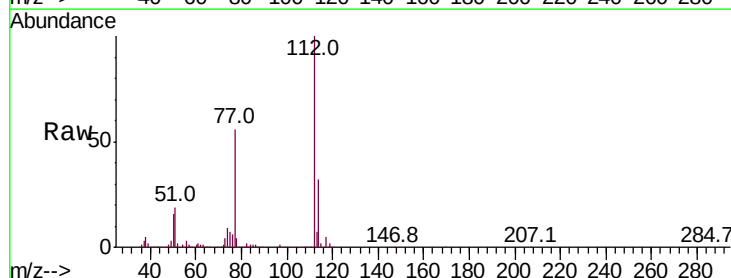
Instrument :
MSVOA_W
ClientSampleId :

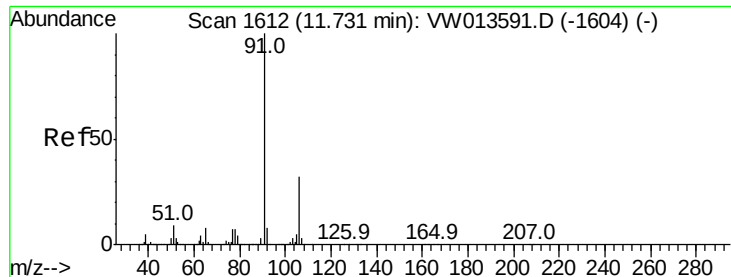
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.5	121.7
188	4.6	3.6	5.4



#52
Chlorobenzene
Concen: 26.685 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013608.D
Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.4	44.5	66.7
114	32.4	22.7	42.3





#53

Ethylbenzene

Concen: 26.790 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

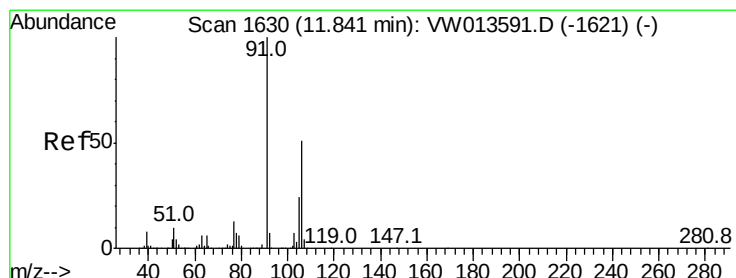
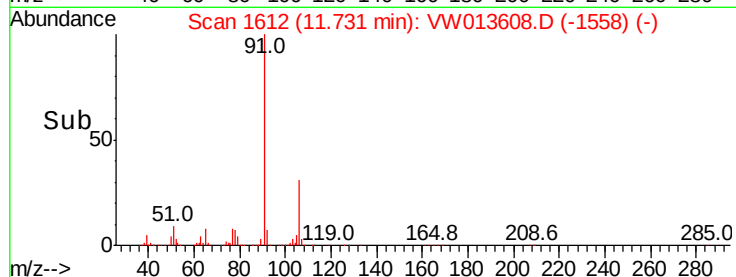
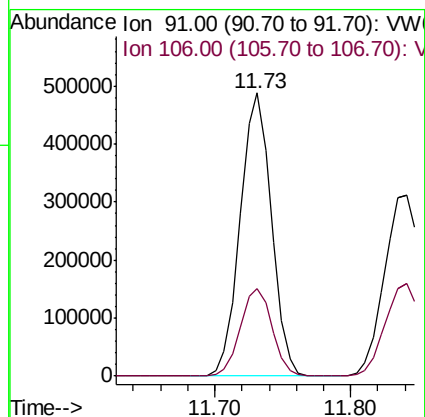
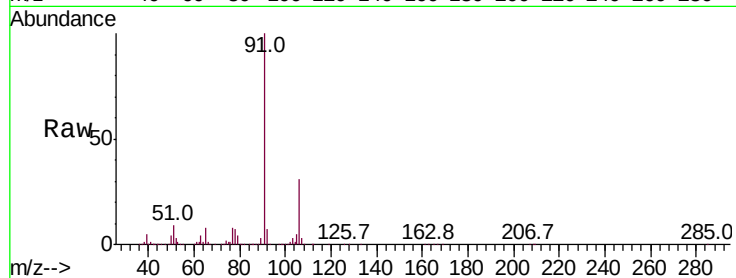
ClientSampleId :

Tot Ion: 91 Resp: 782180

Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



#54

m,p-Xylene

Concen: 26.526 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013608.D

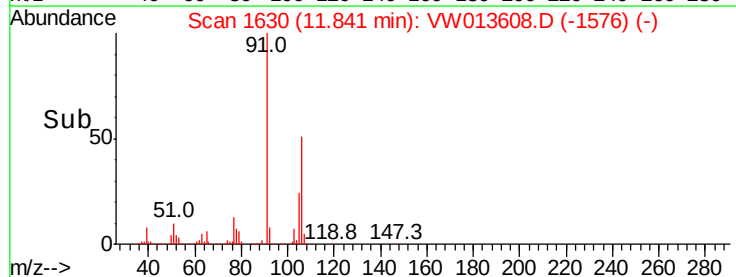
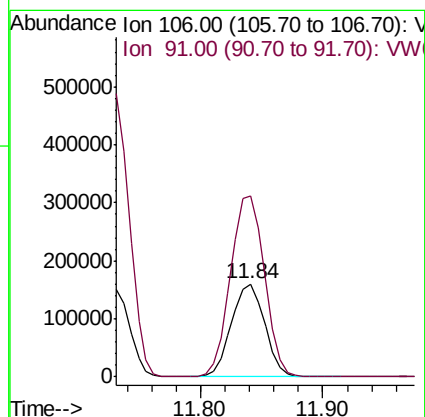
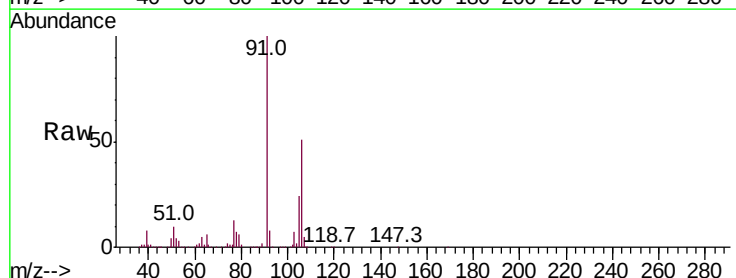
Acq: 17 Oct 2019 09:39

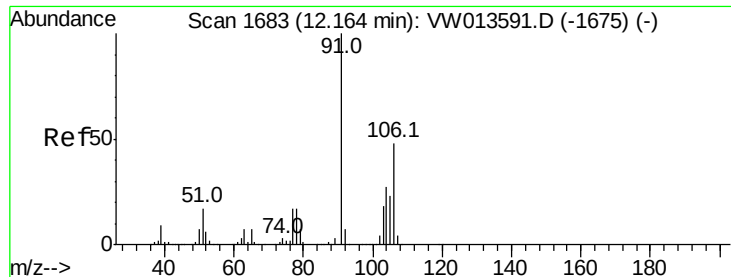
Tgt Ion: 106 Resp: 302120

Ion Ratio Lower Upper

106 100

91 195.3 139.4 258.8





#55

o-xylene

Concen: 26.996 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

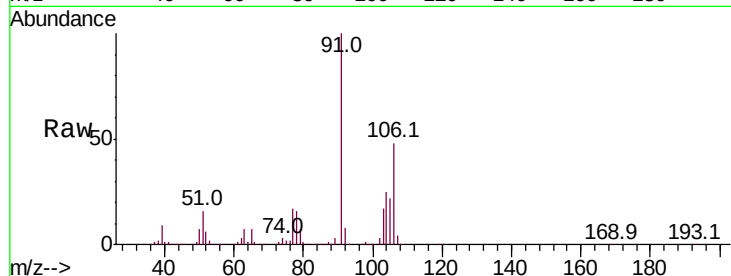
ClientSampled :

Tot Ion:106 Resp: 287014

Ion Ratio Lower Upper

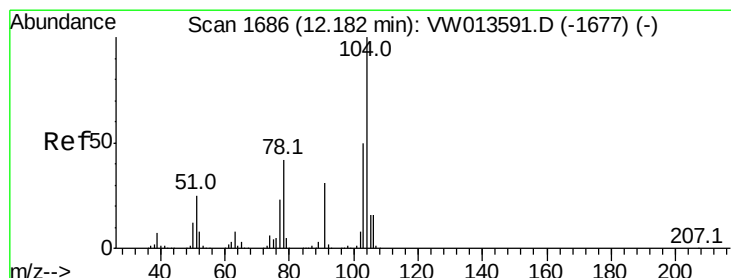
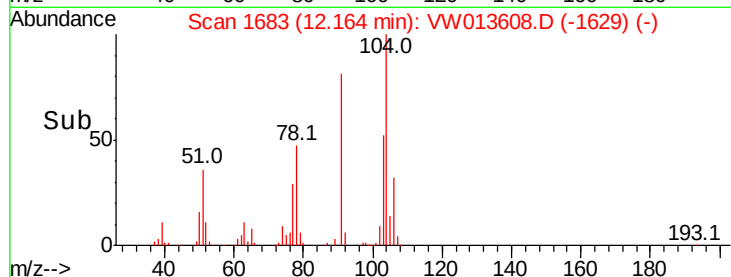
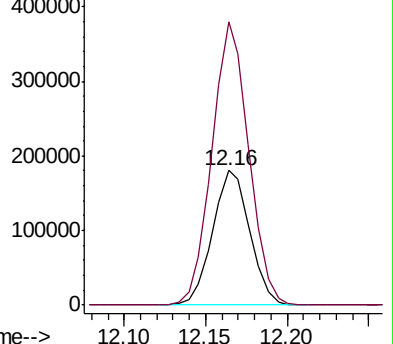
106 100

91 210.2 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.370 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013608.D

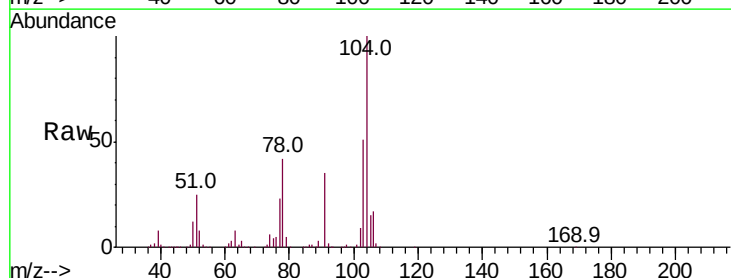
Acq: 17 Oct 2019 09:39

Tgt Ion:104 Resp: 495574

Ion Ratio Lower Upper

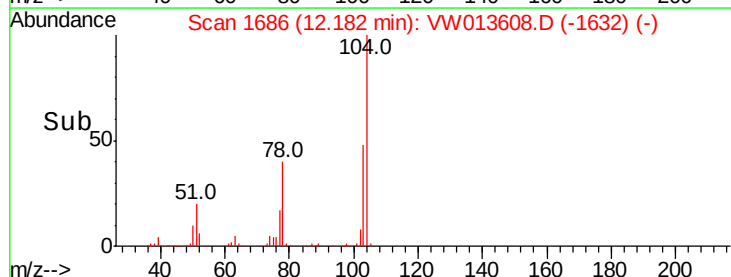
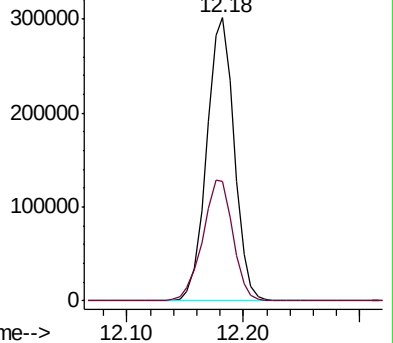
104 100

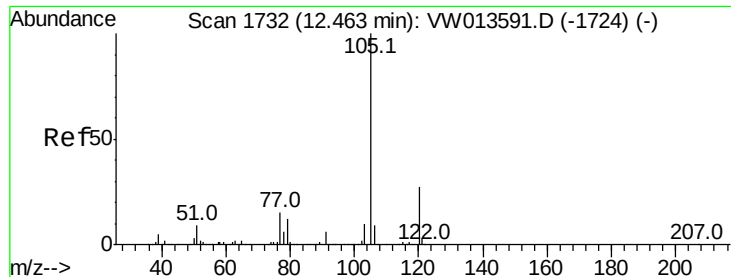
78 42.4 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.835 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

ClientSampleId :

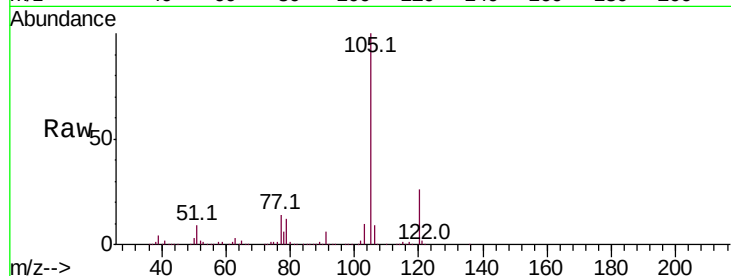
Tot Ion:105 Resp: 773952

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

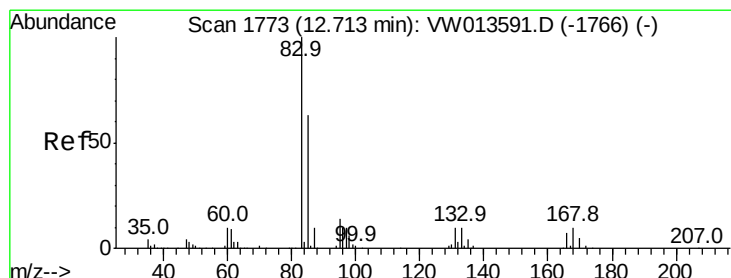
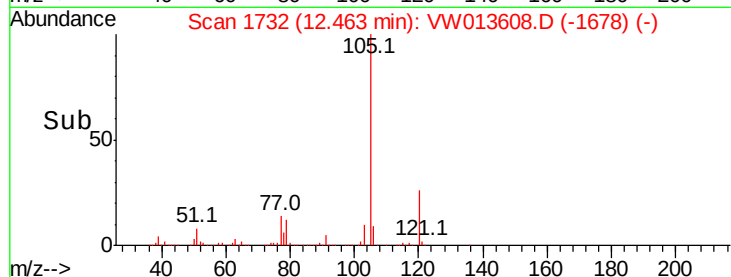
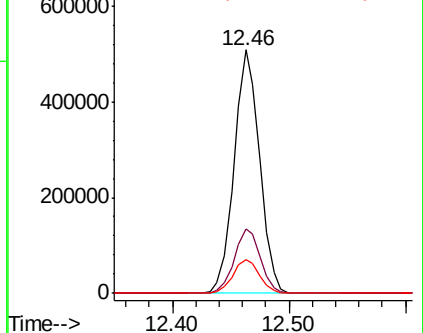
77 14.3 11.8 17.6



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: 27.754 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

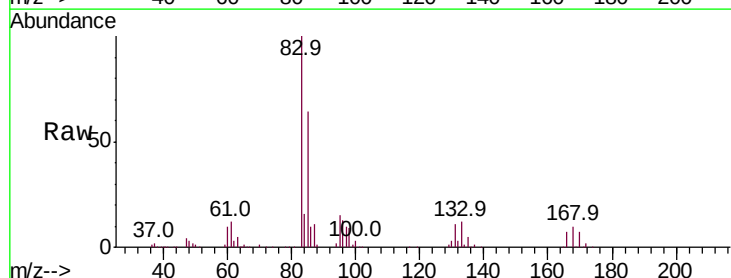
Tgt Ion: 83 Resp: 145939

Ion Ratio Lower Upper

83 100

85 63.7 44.7 83.1

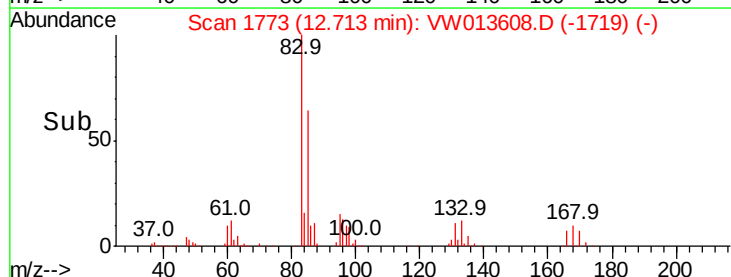
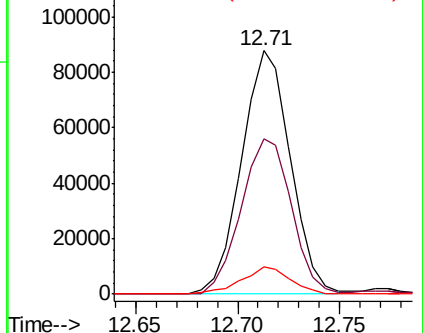
131 11.0 7.8 11.6

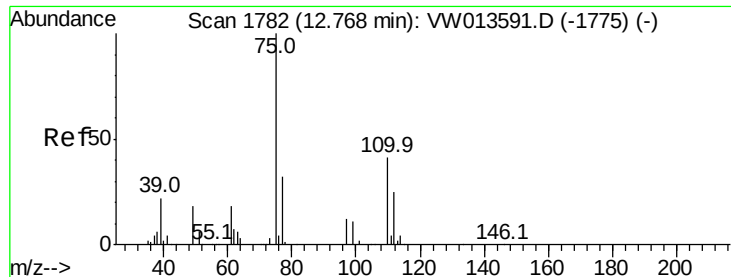


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.570 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

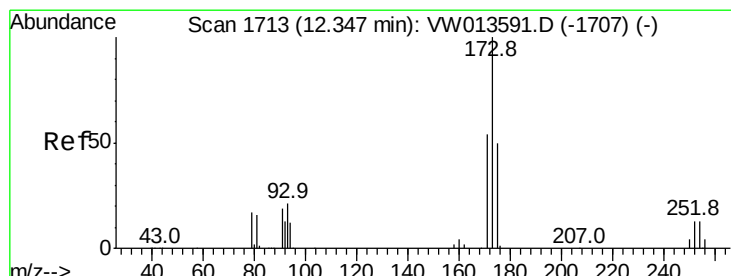
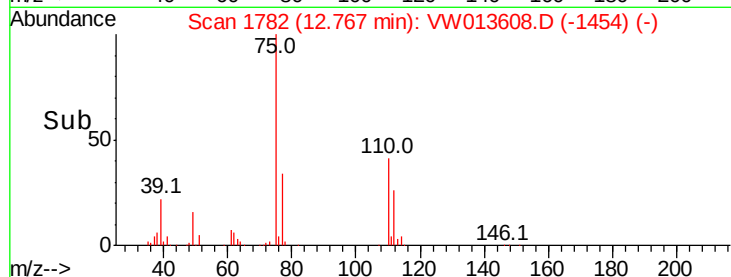
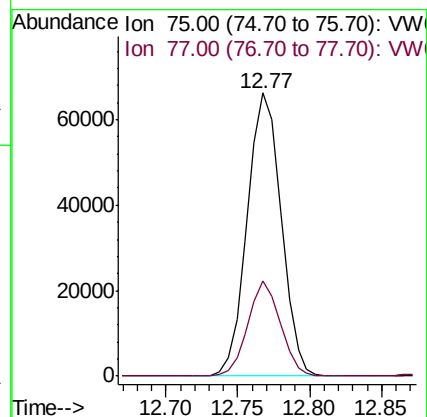
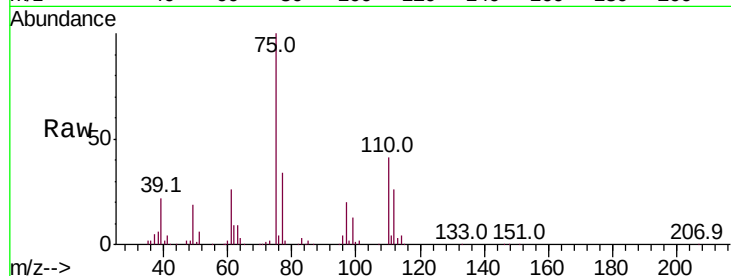
ClientSampleId :

Tot Ion: 75 Resp: 108253

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#62

Bromoform

Concen: 27.868 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

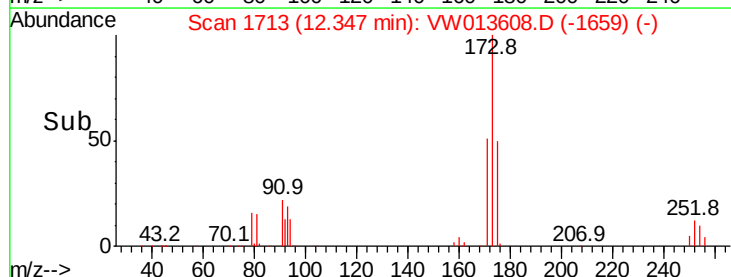
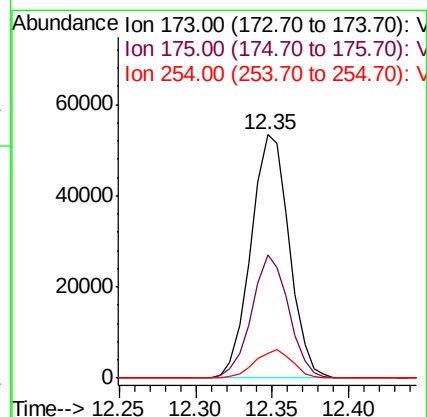
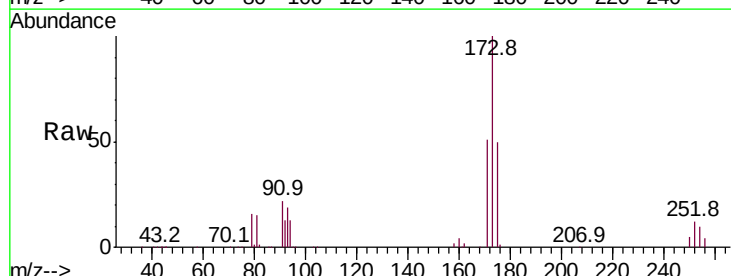
Tgt Ion: 173 Resp: 93007

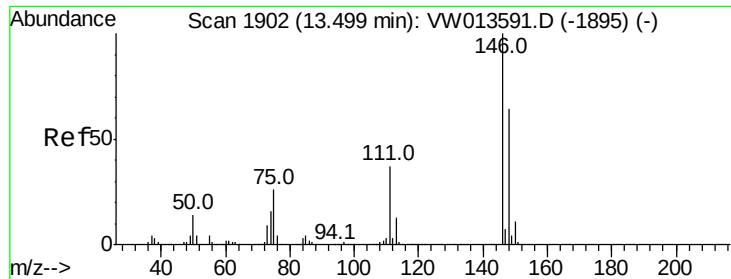
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 11.5 10.1 15.1

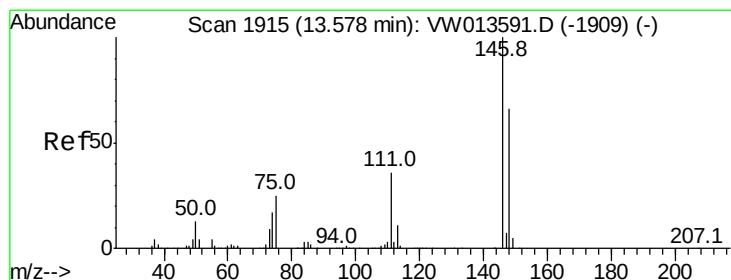
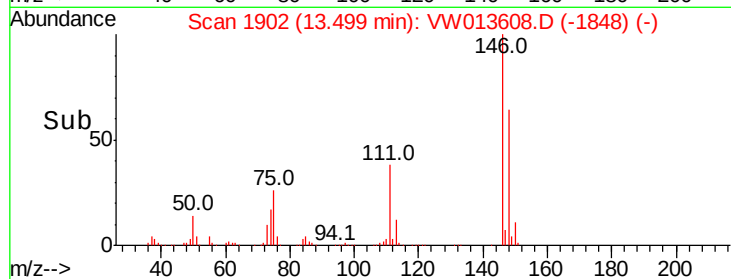
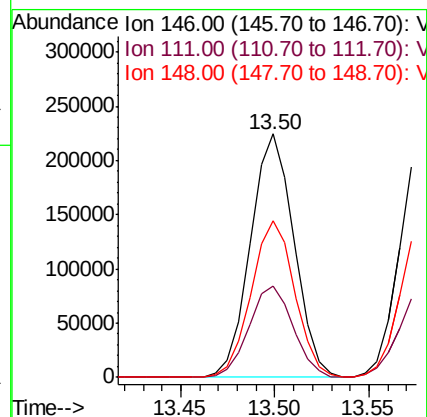
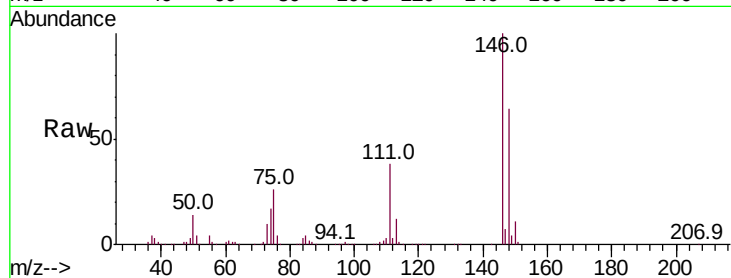




#63
 1,3-Dichlorobenzene
 Concen: 25.840 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013608.D
 Acq: 17 Oct 2019 09:39

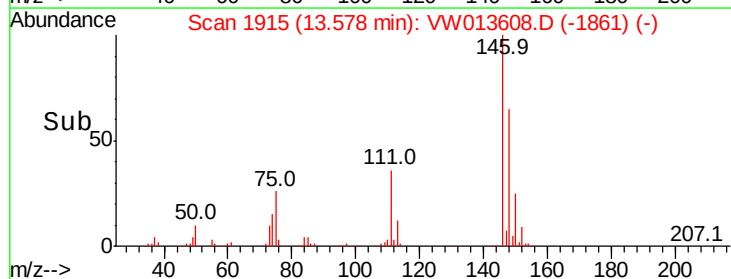
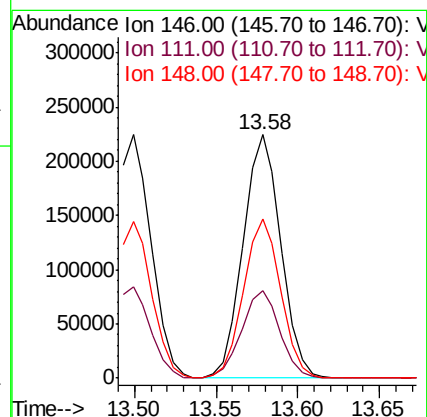
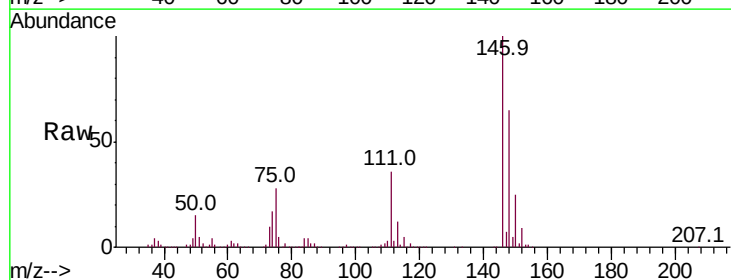
Instrument :
 MSVOA_W
 ClientSampled :

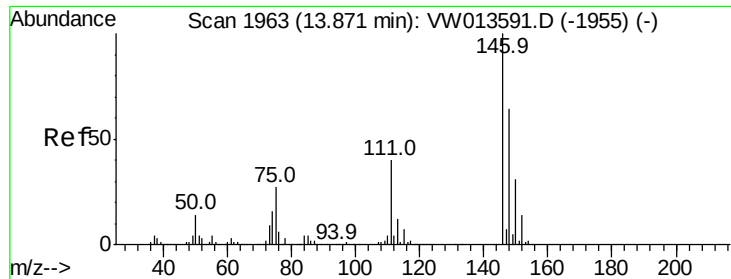
Tot Ion:146 Resp: 359284
 Ion Ratio Lower Upper
 146 100
 111 37.5 25.3 46.9
 148 64.3 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 26.030 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013608.D
 Acq: 17 Oct 2019 09:39

Tgt Ion:146 Resp: 360276
 Ion Ratio Lower Upper
 146 100
 111 36.2 25.8 47.8
 148 65.4 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 25.931 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

ClientSampleId :

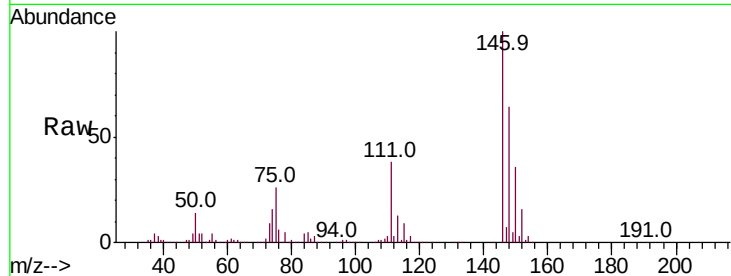
Tot Ion:146 Resp: 324184

Ion Ratio Lower Upper

146 100

111 38.1 31.0 46.4

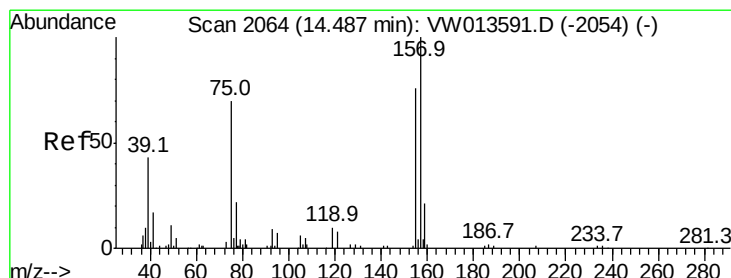
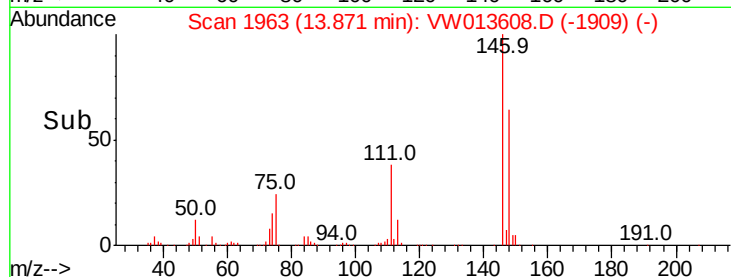
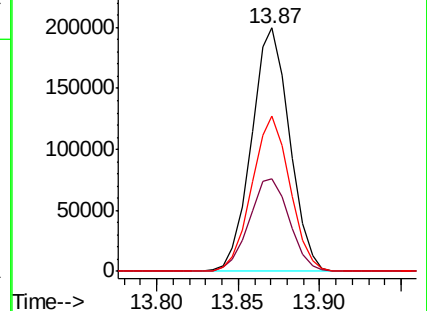
148 64.0 50.3 75.5



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: 26.053 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

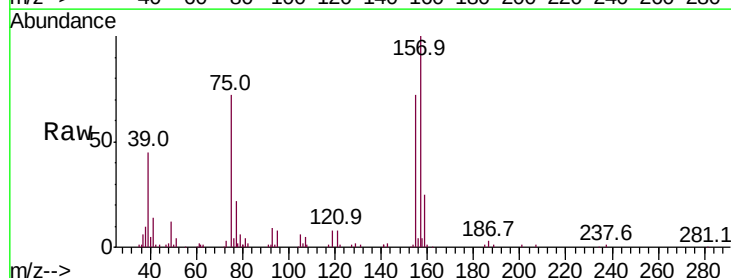
Tgt Ion: 75 Resp: 22486

Ion Ratio Lower Upper

75 100

157 138.9 102.0 153.0

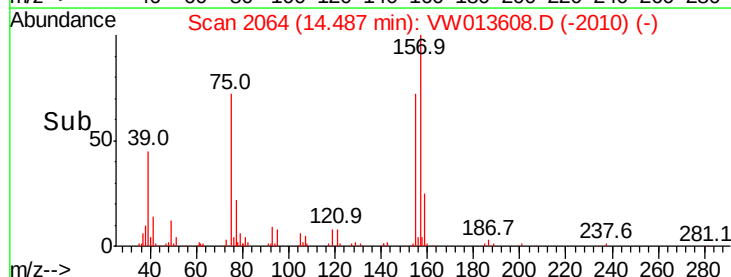
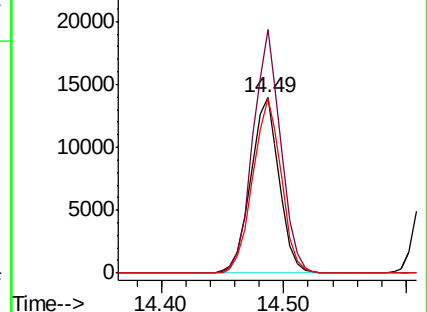
155 99.4 77.6 116.4

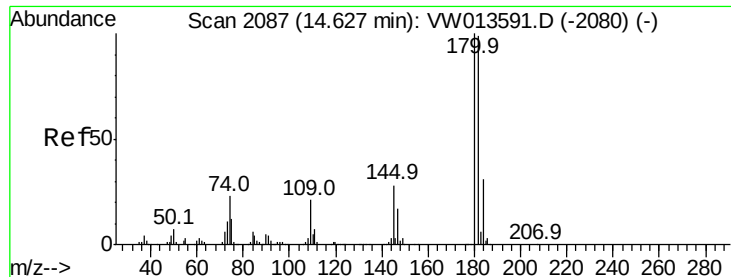


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 25.719 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:180 Resp: 269906

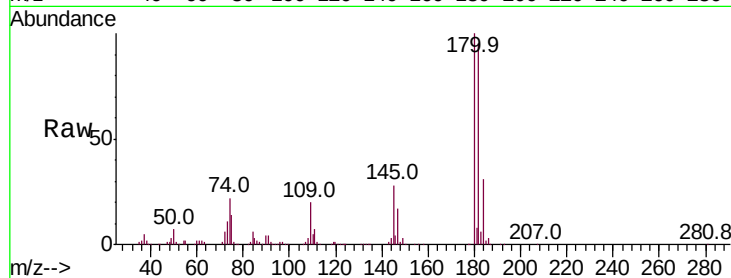
Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.4

184 31.1 24.7 37.1

145 27.6 22.2 33.2

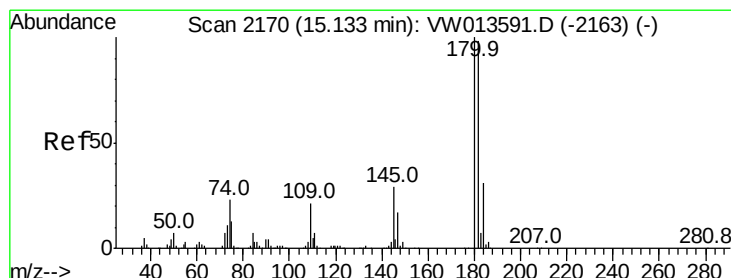
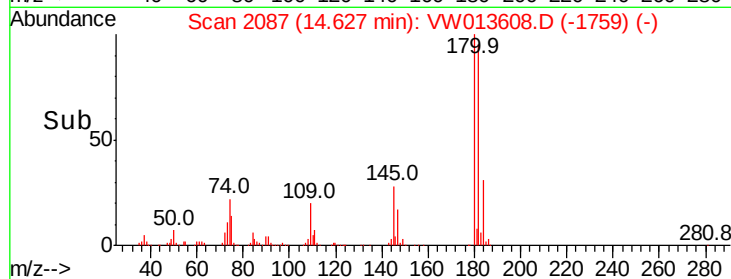
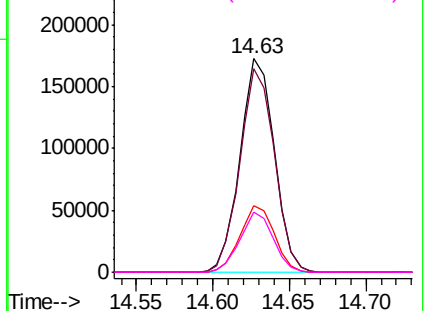


Abundance Ion 180.00 (179.70 to 180.70): V

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: 25.835 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

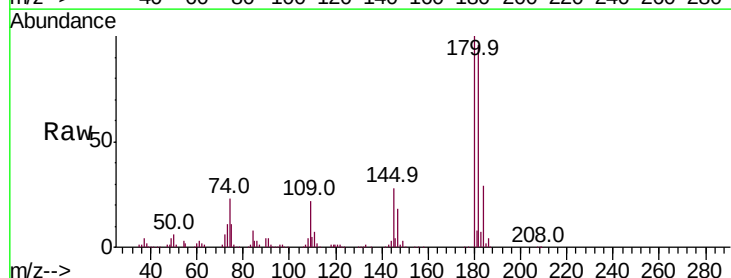
Tgt Ion:180 Resp: 224716

Ion Ratio Lower Upper

180 100

182 95.9 78.2 117.2

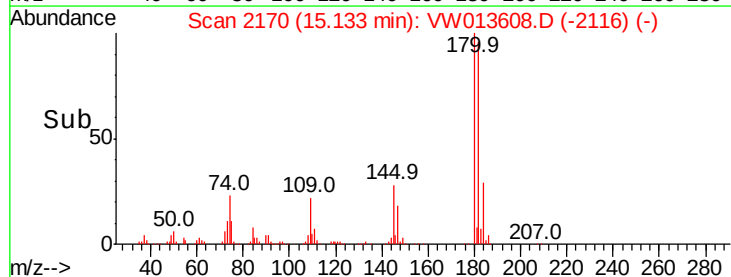
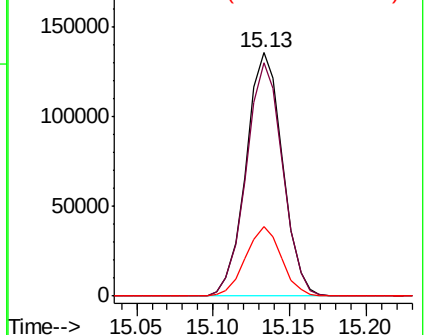
145 28.0 22.8 34.2

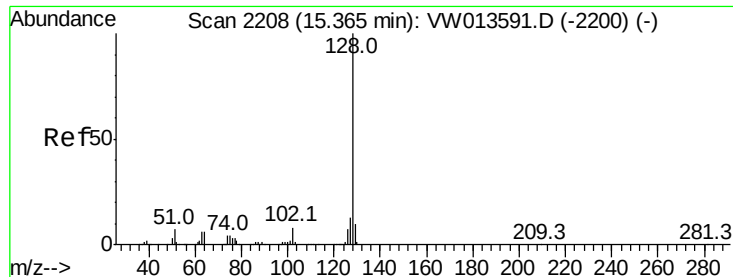


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.448 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_W

ClientSampleId :

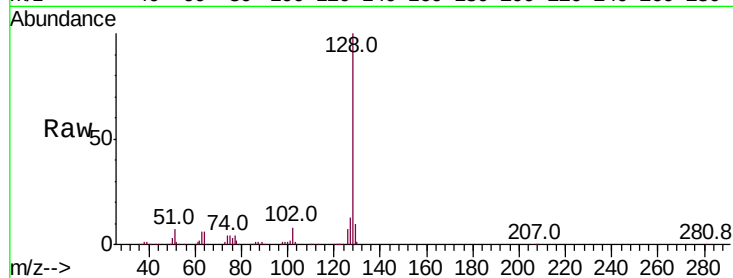
Tot Ion:128 Resp: 419014

Ion Ratio Lower Upper

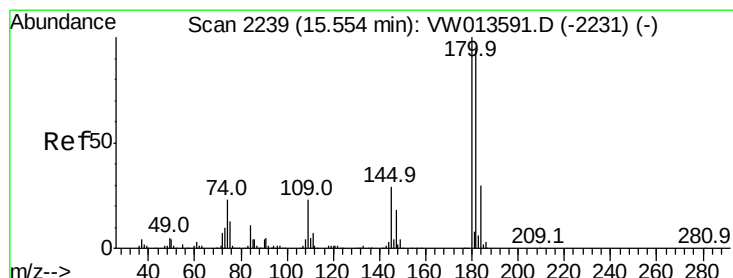
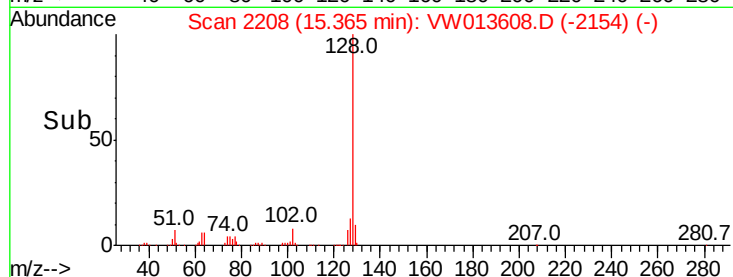
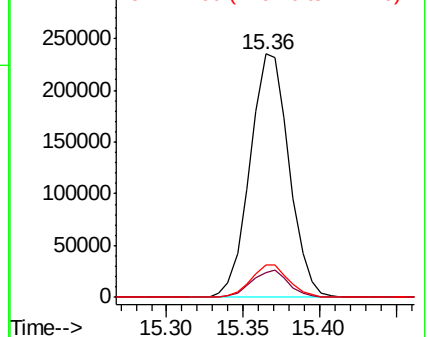
128 100

129 10.8 8.5 12.7

127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.032 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013608.D

Acq: 17 Oct 2019 09:39

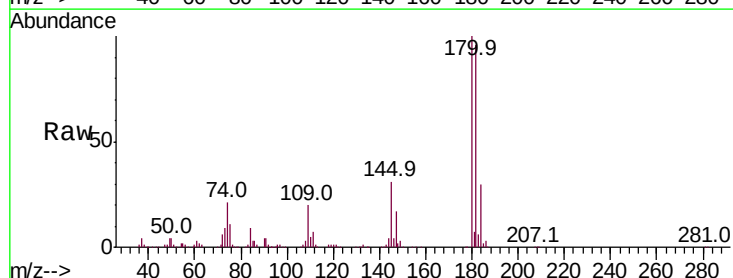
Tgt Ion:180 Resp: 201631

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 29.5 23.1 34.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

