

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015174.D
 Acq On : 10 Apr 2020 11:23
 Operator : SY/VA
 Sample : VSTD00505
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 10 12:28:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 12:17:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1285166	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1100099	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	488938	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	68193	3.27	ug/L	0.00
7) Chloroethane-d5	2.64	69	2688	0.16	ug/L	-0.26
10) 1,1-Dichloroethene-d2	4.03	63	170591	3.96	ug/L	0.00
20) 2-Butanone-d5	7.08	46	40533	8.05	ug/L	0.00
24) Chloroform-d	7.82	84	272	0.01	ug/L	0.18
26) 1,2-Dichloroethane-d4	8.31	65	76631	3.55	ug/L	0.00
29) Benzene-d6	8.27	84	321686	4.55	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	99484	4.28	ug/L	0.00
37) Toluene-d8	10.32	98	301905	4.94	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	44164	4.81	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	34364	9.62	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	67753	4.19	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	91068	5.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	37627	3.877	ug/L 91
3) Chloromethane	2.21	50	59308	3.443	ug/L 99
5) Vinyl chloride	2.36	62	80127	3.374	ug/L 97
6) Bromomethane	2.78	94	40419	3.101	ug/L 97
8) Chloroethane	2.93	64	37527	2.669	ug/L 98
9) Trichlorofluoromethane	3.26	101	55946	4.013	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	90420	4.636	ug/L # 70
12) 1,1-Dichloroethene	4.04	96	85406	4.574	ug/L 91
13) Acetone	4.12	43	24000	5.780	ug/L 97
14) Carbon disulfide	4.39	76	292653	4.311	ug/L 100
15) Methyl Acetate	4.68	43	29372	2.958	ug/L 96
16) Methylene chloride	4.92	84	94424	4.464	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	113537	4.664	ug/L # 82
18) trans-1,2-Dichloroethene	5.43	96	88327	4.564	ug/L 96
19) 1,1-Dichloroethane	6.21	63	151222	3.790	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	90551	4.677	ug/L 98
23) Bromochloromethane	7.51	128	36687	4.596	ug/L 97
25) Chloroform	7.68	83	148127	4.052	ug/L 100
27) 1,2-Dichloroethane	8.40	62	88201	3.448	ug/L 96
30) Cyclohexane	7.96	56	154975	4.538	ug/L 99
31) 1,1,1-Trichloroethane	7.87	97	128367	4.589	ug/L 100
32) Carbon tetrachloride	8.07	117	116030	4.741	ug/L 98
34) Benzene	8.32	78	348569	4.454	ug/L 100
35) Trichloroethene	9.09	95	92599	4.790	ug/L 98
36) Methylcyclohexane	9.34	83	169836	5.093	ug/L 99
40) 1,2-Dichloropropane	9.37	63	83726	3.938	ug/L # 97
41) Bromodichloromethane	9.65	83	108787	4.416	ug/L 95
42) cis-1,3-Dichloropropene	10.07	75	133684	4.644	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	94417	7.839	ug/L 99
44) Toluene	10.38	91	362652	4.651	ug/L 97

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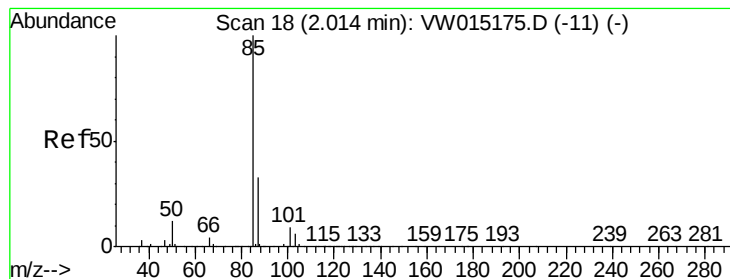
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 10 12:28:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 12:17:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) trans-1,3-Dichloropropene	10.60	75	113363	4.519	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	58264	4.522	ug/L	92
47) Tetrachloroethene	10.86	164	66168	5.179	ug/L	97
49) 2-Hexanone	10.97	43	60153	7.547	ug/L	96
50) Dibromochloromethane	11.13	129	68571	5.049	ug/L	97
51) 1,2-Dibromoethane	11.23	107	54538	4.716	ug/L	100
52) Chlorobenzene	11.66	112	223666	4.807	ug/L	99
53) Ethylbenzene	11.73	91	409500	4.834	ug/L	100
54) m,p-Xylene	11.84	106	157913	5.236	ug/L	97
55) o-xylene	12.16	106	150082	5.284	ug/L	94
56) Styrene	12.18	104	248732	5.175	ug/L	97
57) Isopropylbenzene	12.46	105	405730	5.209	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	65328	4.103	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	49248	4.135	ug/L	96
62) Bromoform	12.35	173	36849	5.092	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	160670	5.016	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	157596	4.858	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	143822	4.961	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	11245	4.139	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	112818	5.346	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	84450	5.230	ug/L	97
69) Naphthalene	15.36	128	155419	4.933	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	71487	4.837	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.877 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

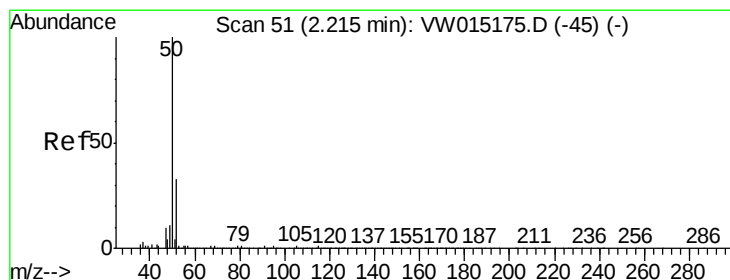
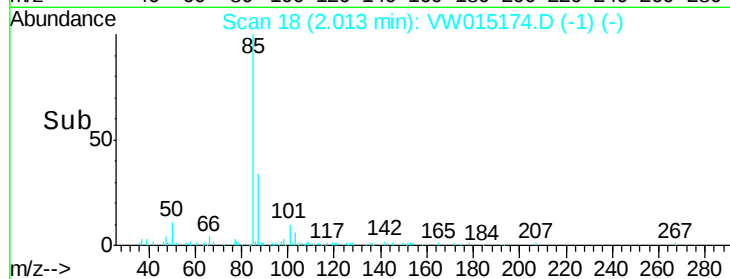
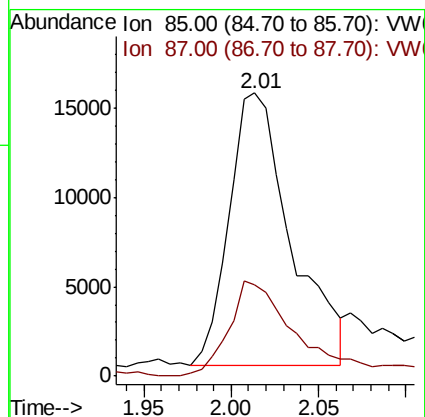
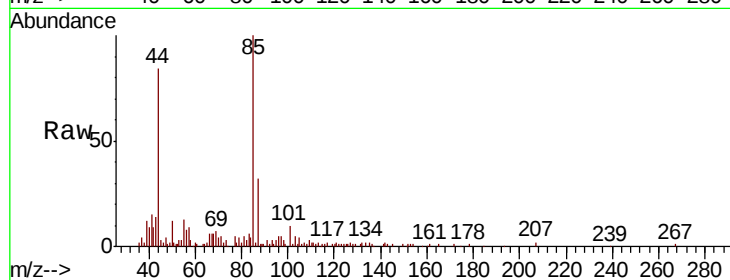
ClientSampleId :

Tot Ion: 85 Resp: 37627

Ion Ratio Lower Upper

85 100

87 37.1 22.5 41.9



#3

Chloromethane

Concen: 3.443 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015174.D

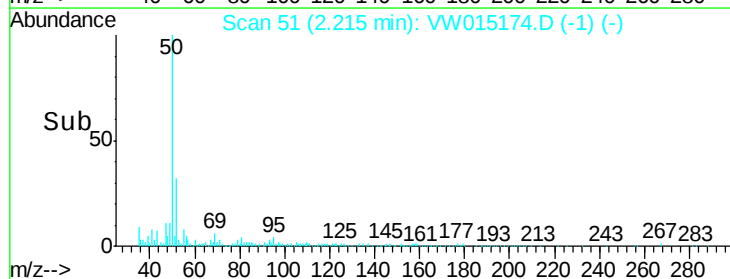
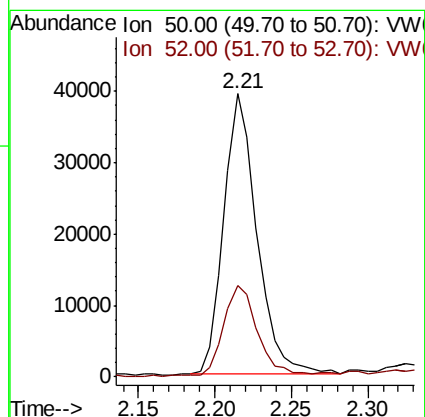
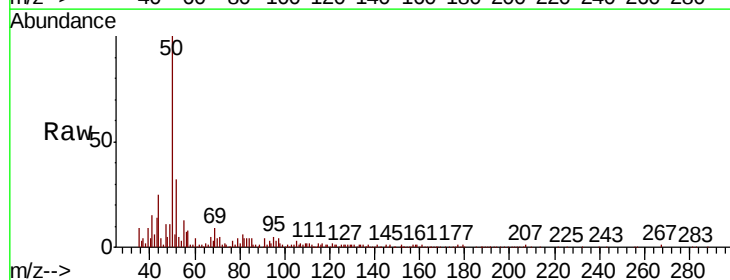
Acq: 10 Apr 2020 11:23

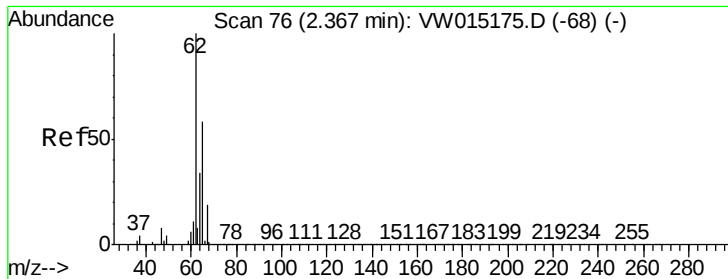
Tgt Ion: 50 Resp: 59308

Ion Ratio Lower Upper

50 100

52 32.3 23.2 43.0





#5

Vinyl chloride

Concen: 3.374 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

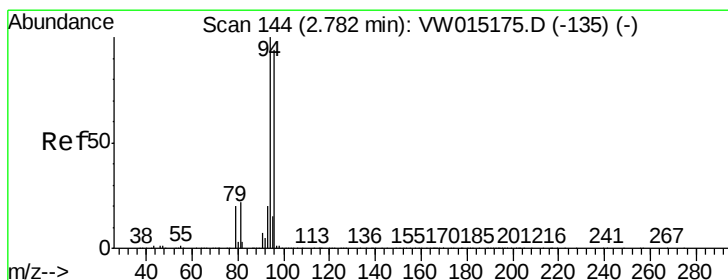
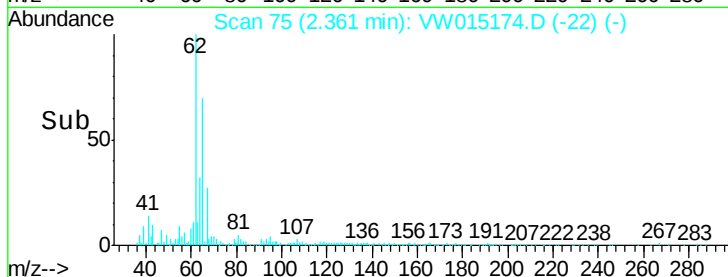
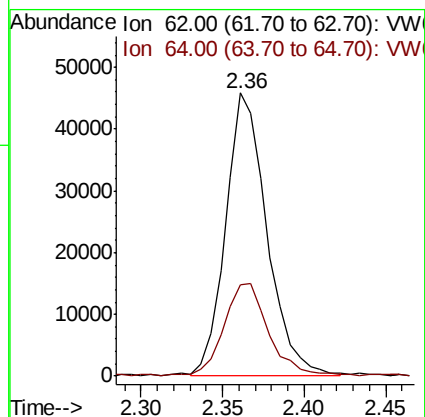
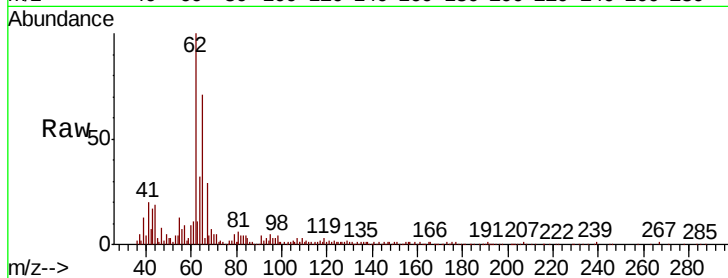
ClientSampled :

Tot Ion: 62 Resp: 80127

Ion Ratio Lower Upper

62 100

64 32.1 23.8 44.2



#6

Bromomethane

Concen: 3.101 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015174.D

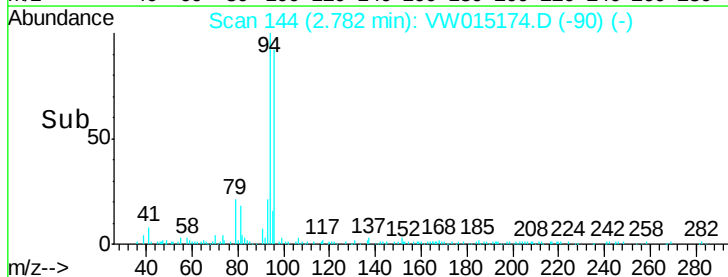
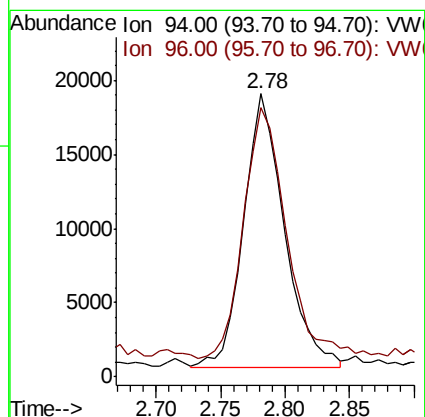
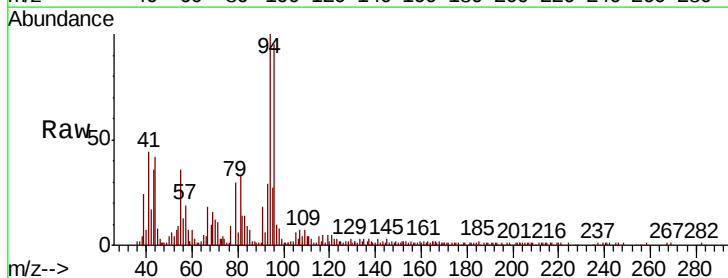
Acq: 10 Apr 2020 11:23

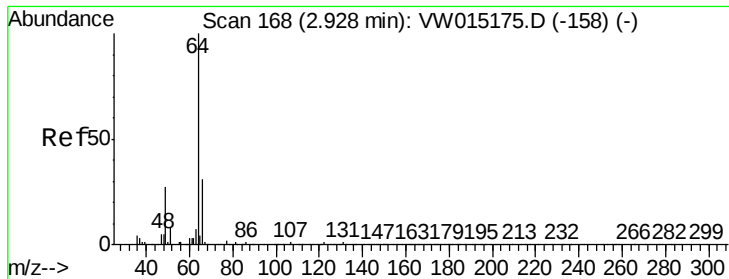
Tgt Ion: 94 Resp: 40419

Ion Ratio Lower Upper

94 100

96 98.1 9.5 181.3





#8

Chloroethane

Concen: 2.669 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

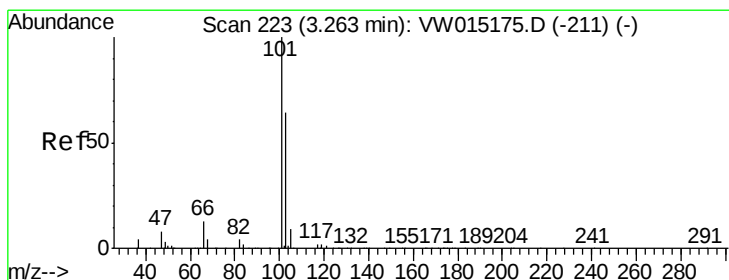
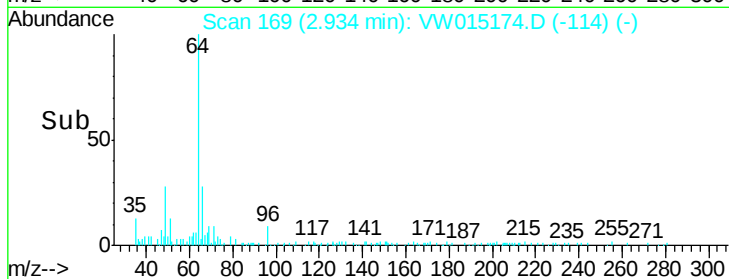
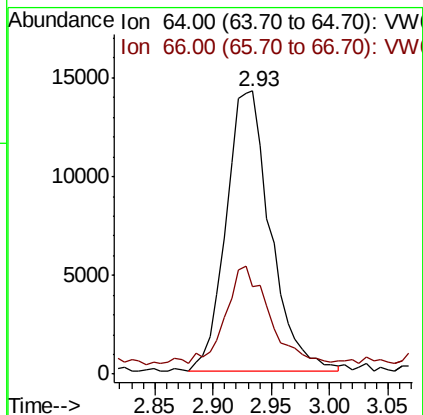
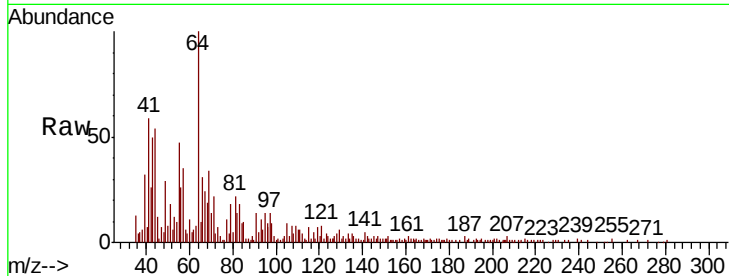
ClientSampleId :

Tot Ion: 64 Resp: 37527

Ion Ratio Lower Upper

64 100

66 30.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 4.013 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015174.D

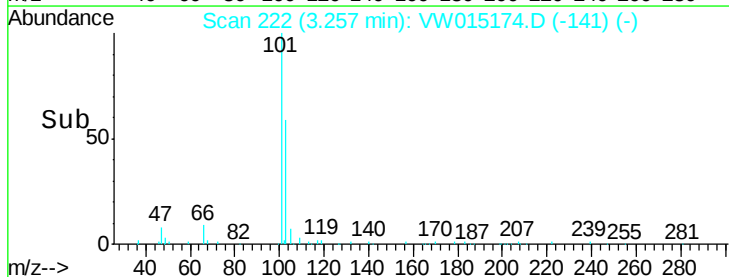
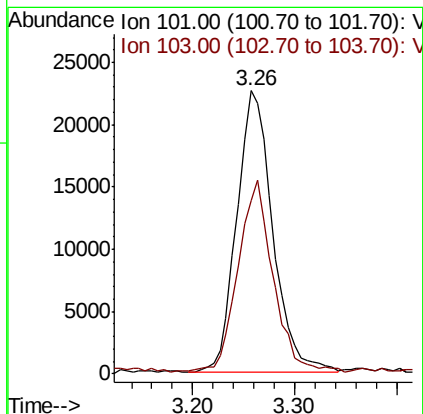
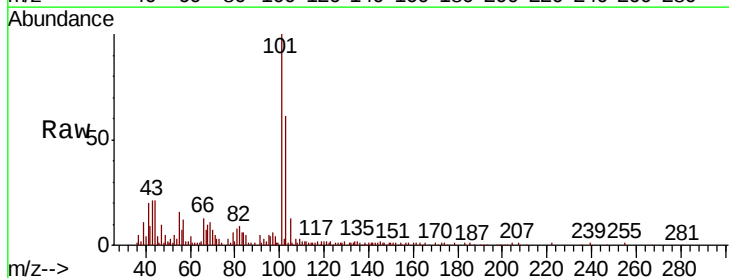
Acq: 10 Apr 2020 11:23

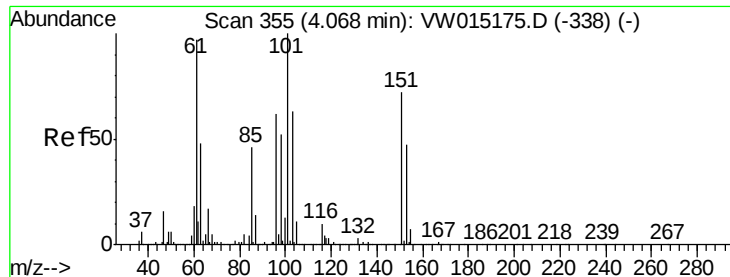
Tgt Ion: 101 Resp: 55946

Ion Ratio Lower Upper

101 100

103 64.1 44.9 83.5





#11

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

Concen: 4.636 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

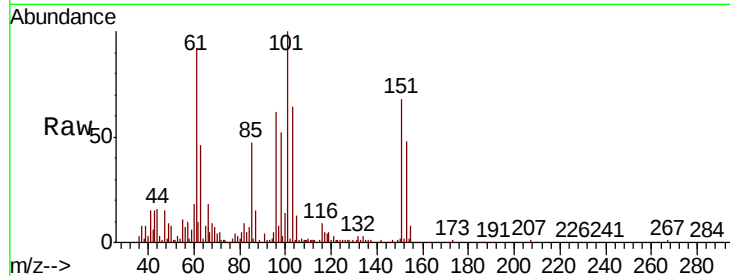
Tot Ion:101 Resp: 90420

Ion Ratio Lower Upper

101 100

85 41.2 34.0 51.0

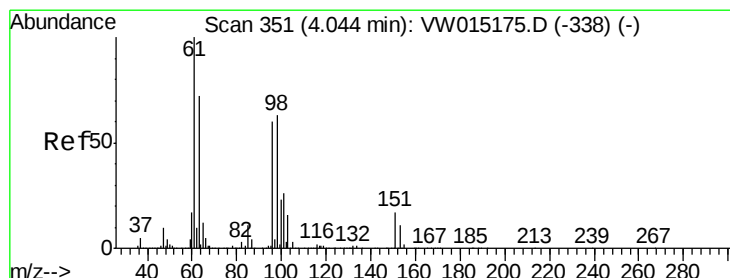
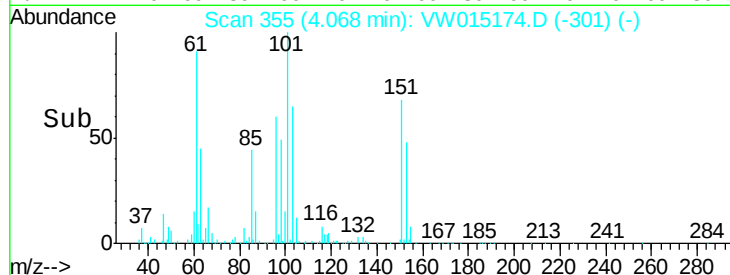
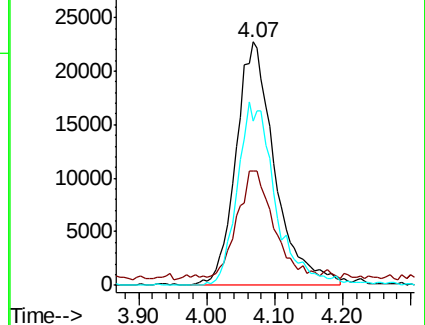
151 32.6 56.6 85.0#



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: 4.574 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

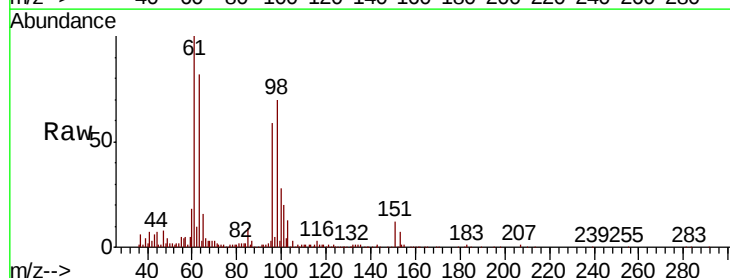
Tgt Ion: 96 Resp: 85406

Ion Ratio Lower Upper

96 100

61 170.1 116.4 216.2

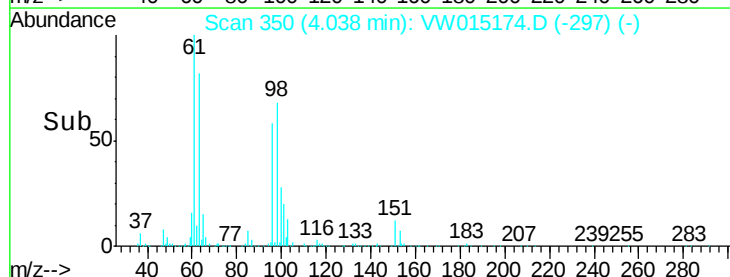
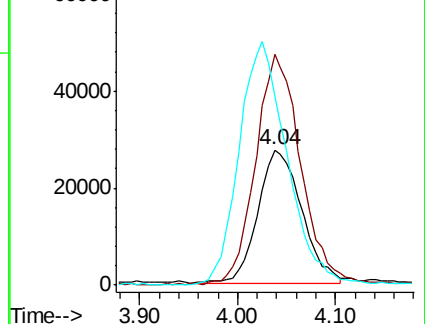
63 138.9 84.0 156.0

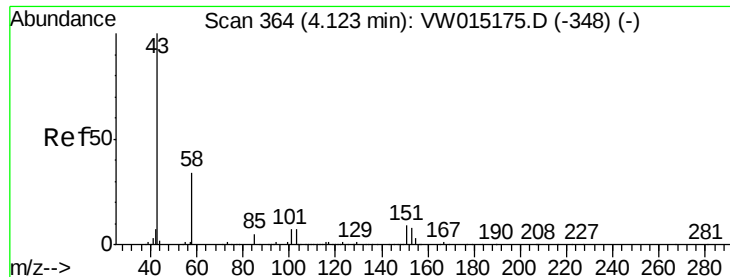


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.780 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

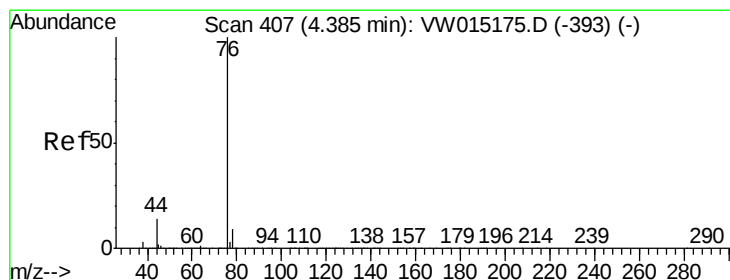
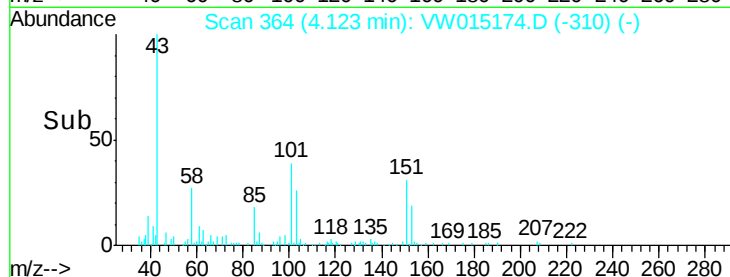
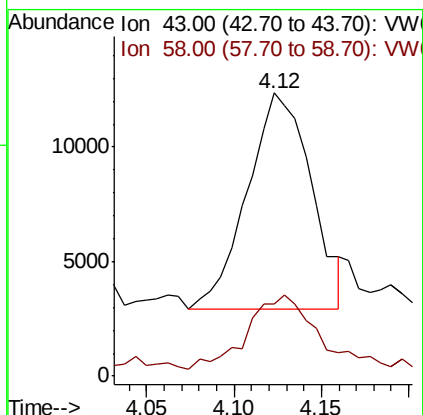
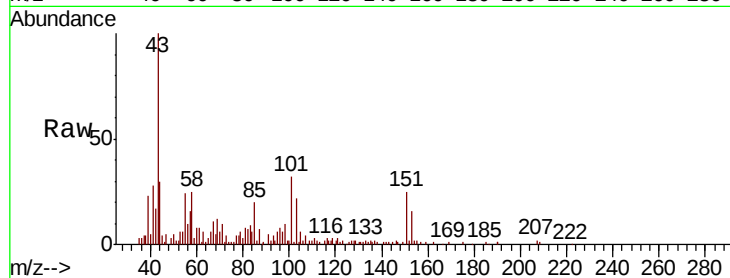
ClientSampled :

Tot Ion: 43 Resp: 24000

Ion Ratio Lower Upper

43 100

58 34.1 0.0 64.6



#14

Carbon disulfide

Concen: 4.311 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015174.D

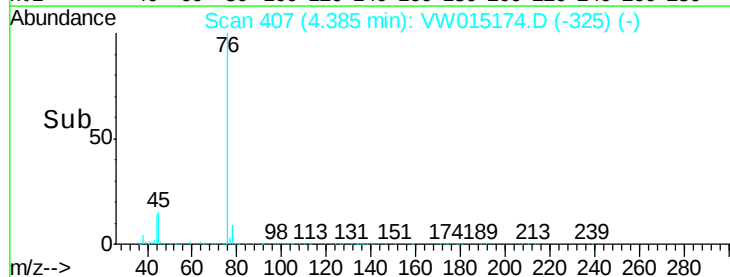
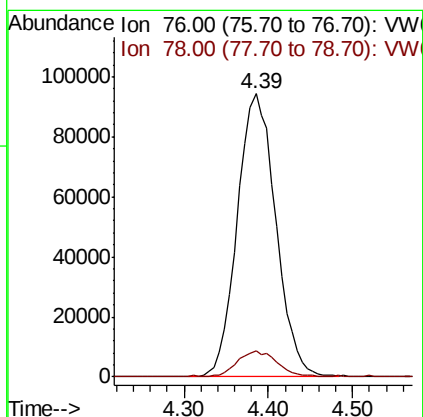
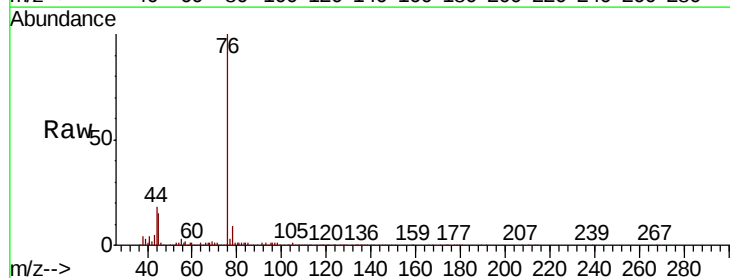
Acq: 10 Apr 2020 11:23

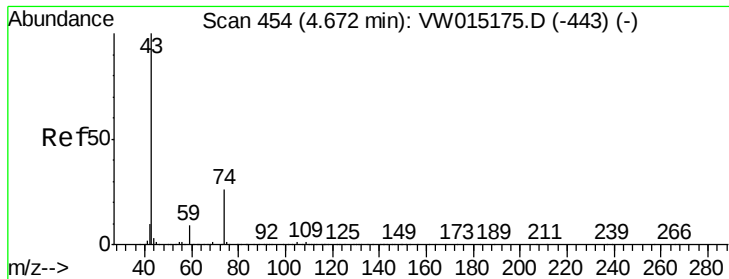
Tgt Ion: 76 Resp: 292653

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

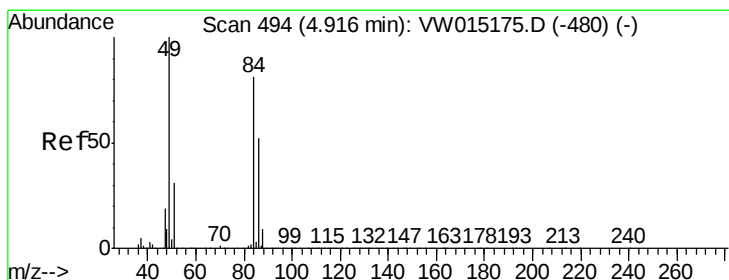
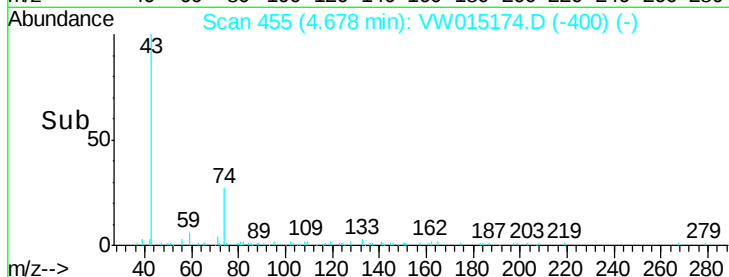
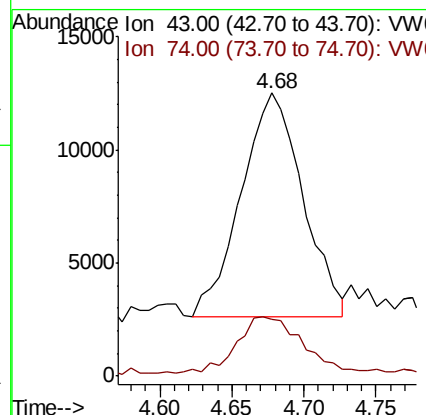
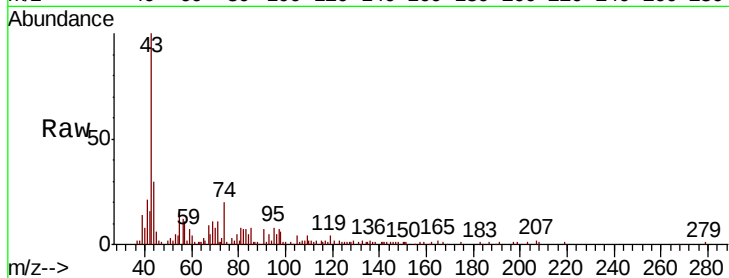




#15
Methyl Acetate
Concen: 2.958 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

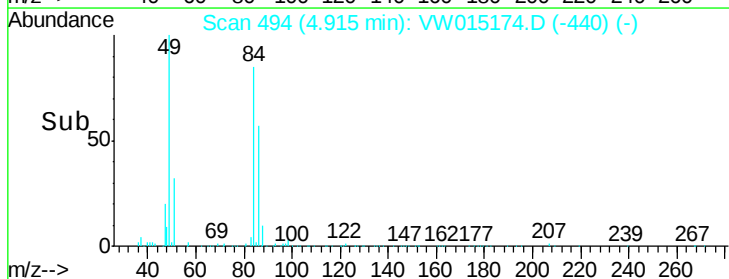
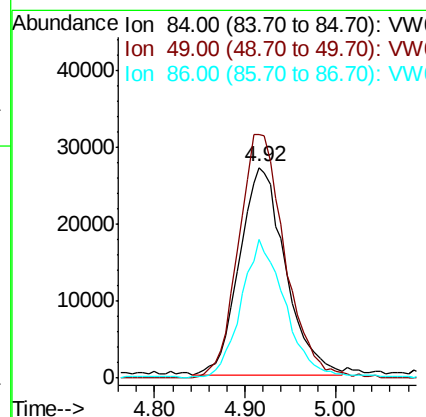
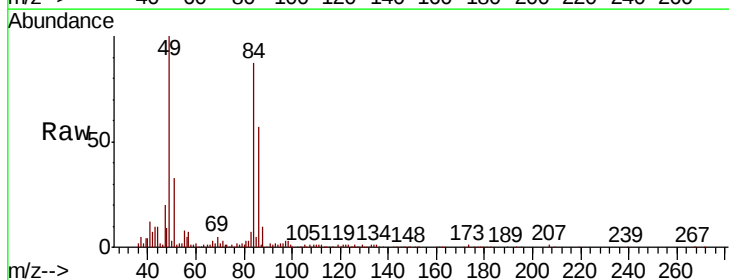
Instrument :
MSVOA_W
ClientSampled :

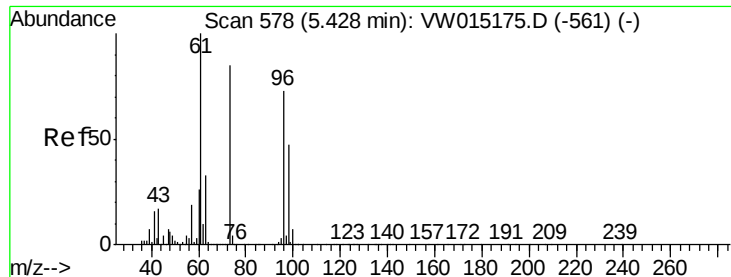
Tot Ion: 43 Resp: 29372
Ion Ratio Lower Upper
43 100
74 26.4 19.4 29.2



#16
Methylene chloride
Concen: 4.464 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

Tgt Ion: 84 Resp: 94424
Ion Ratio Lower Upper
84 100
49 115.5 85.8 159.4
86 66.0 44.7 82.9

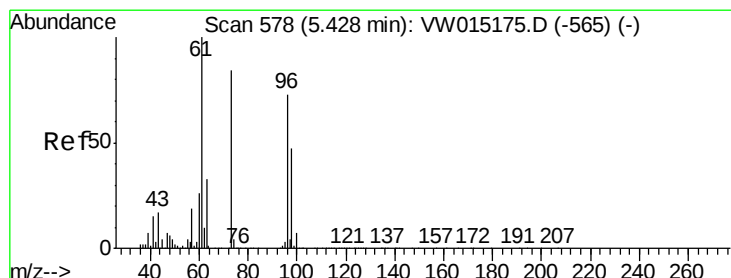
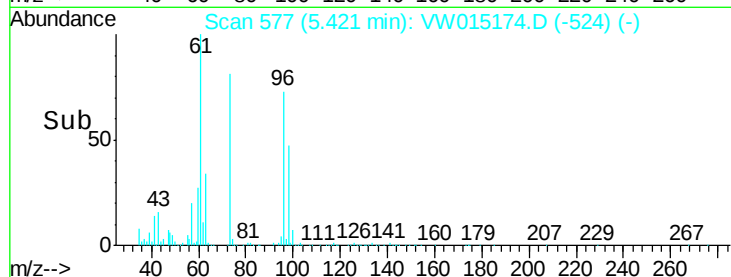
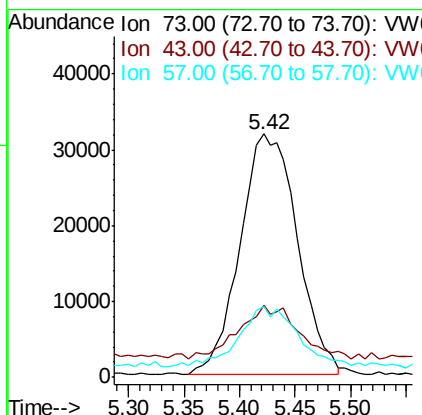
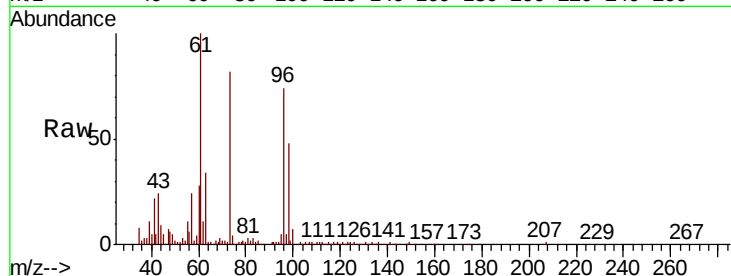




#17
Methvl tert-butvl Ether
Concen: 4.664 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

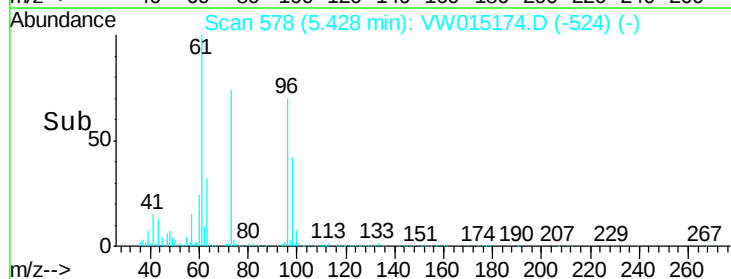
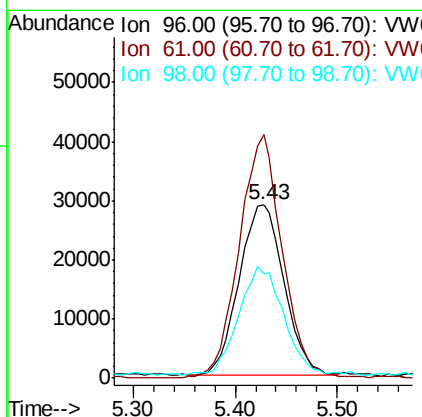
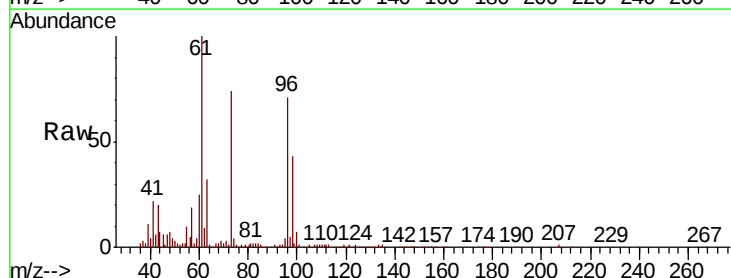
Instrument :
MSVOA_W
ClientSampleId :

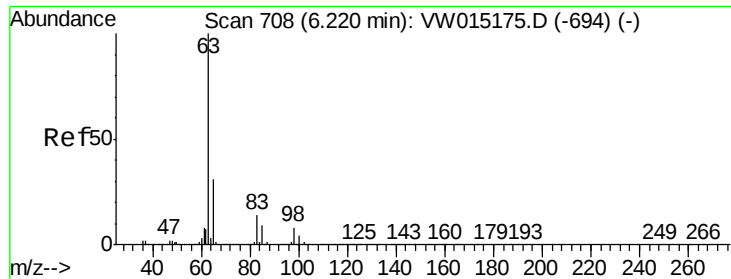
Tot Ion	Ratio	Lower	Upper
73	100		
43	11.3	15.8	23.8#
57	13.5	17.6	26.4#



#18
trans-1,2-Dichloroethene
Concen: 4.564 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	95.5	177.3
98	60.4	45.1	83.9

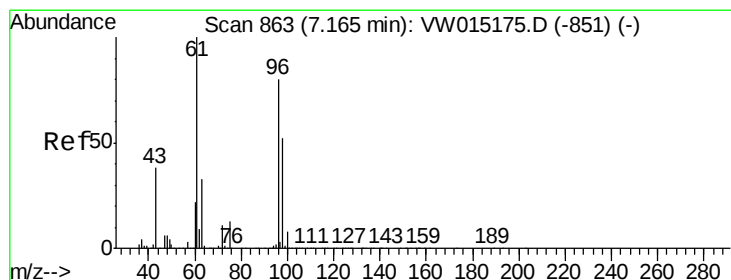
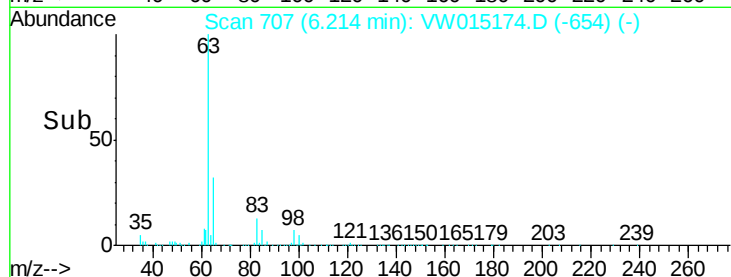
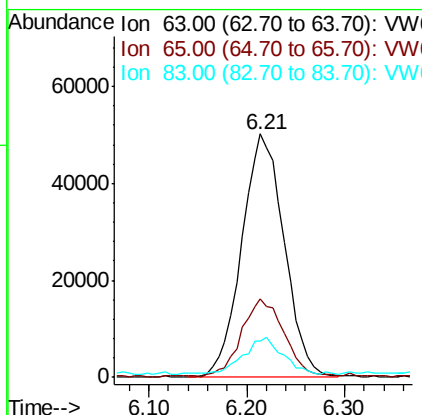
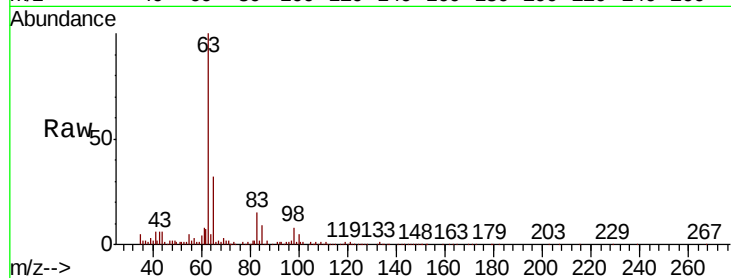




#19
 1,1-Dichloroethane
 Concen: 3.790 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

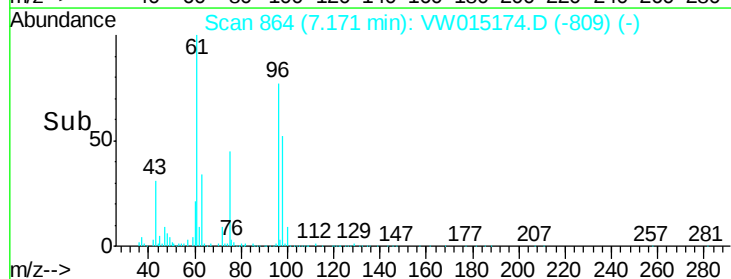
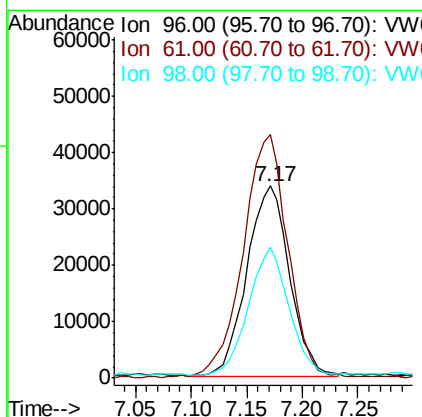
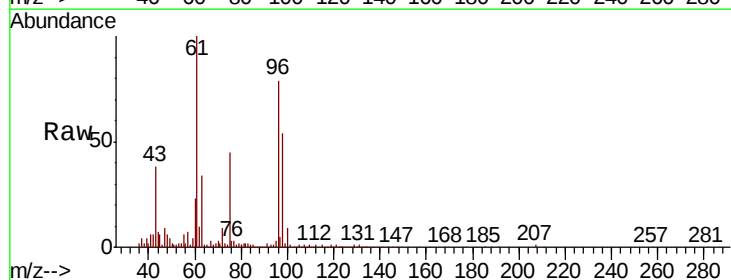
Instrument :
 MSVOA_W
 ClientSampleId :

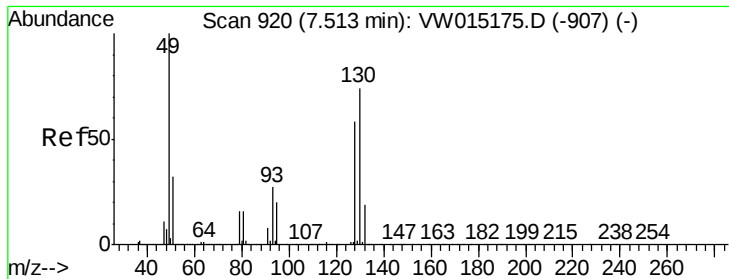
Tot Ion: 63 Resp: 151222
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.0 40.8
 83 14.9 9.7 17.9



#22
 cis-1,2-Dichloroethene
 Concen: 4.677 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

Tgt Ion: 96 Resp: 90551
 Ion Ratio Lower Upper
 96 100
 61 126.6 87.8 163.0
 98 68.3 45.7 84.9

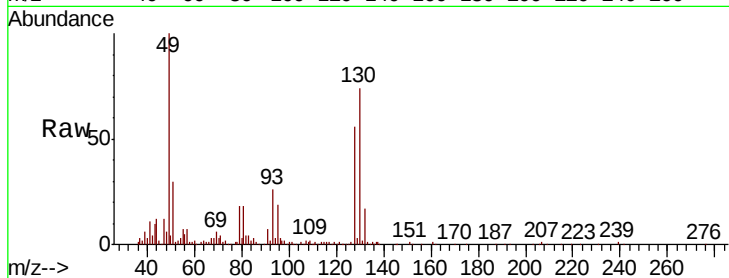




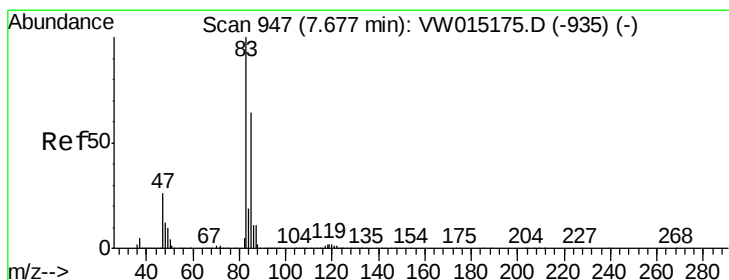
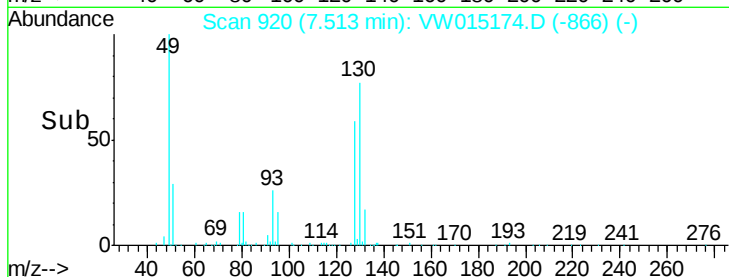
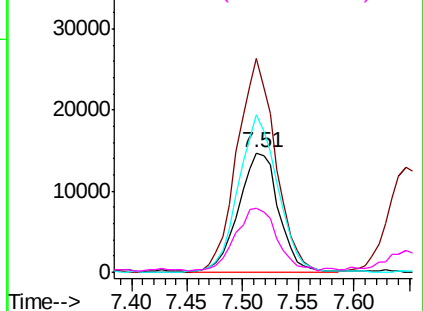
#23
Bromochloromethane
Concen: 4.596 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 36687
Ion Ratio Lower Upper
128 100
49 178.6 121.1 224.9
130 131.6 90.1 167.3
51 53.7 44.6 66.8

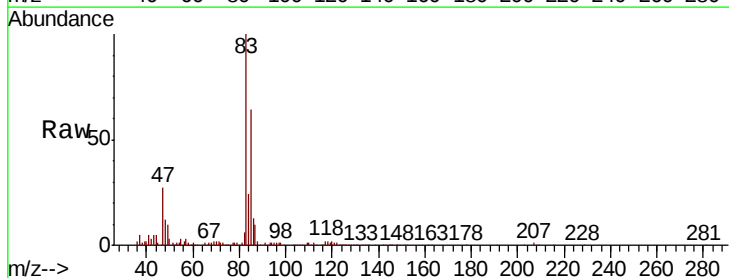


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

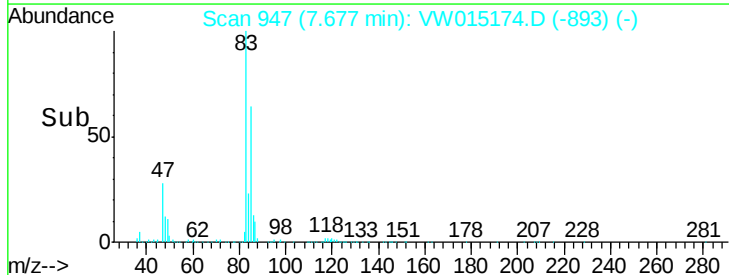
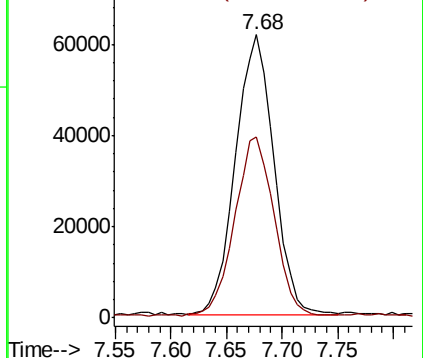


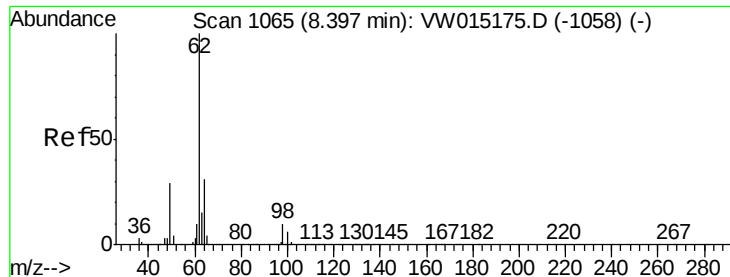
#25
Chloroform
Concen: 4.052 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

Tgt Ion: 83 Resp: 148127
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV

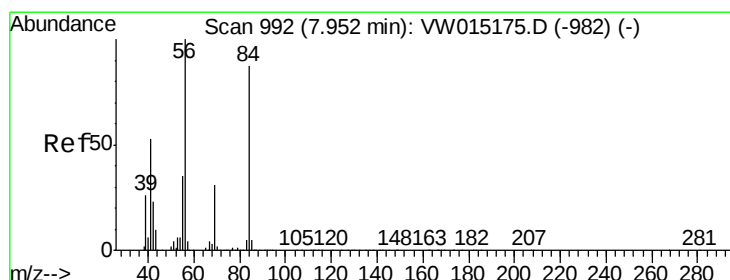
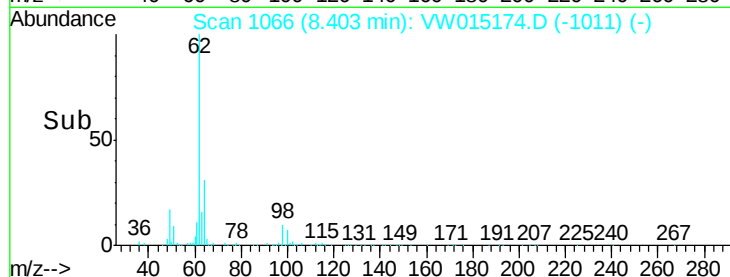
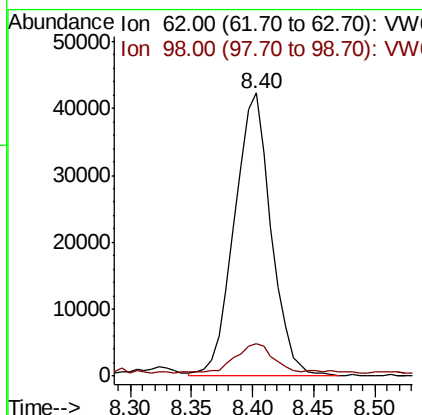
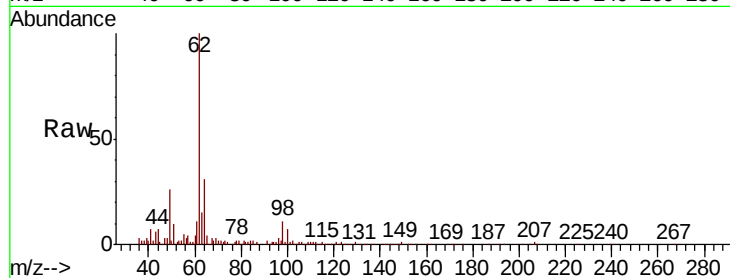




#27
 1,2-Dichloroethane
 Concen: 3.448 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

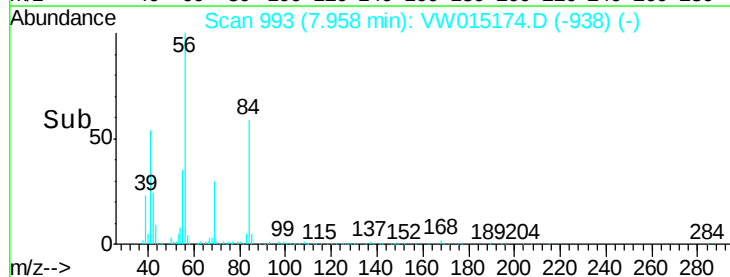
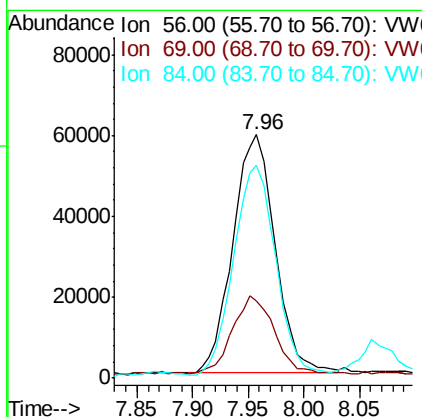
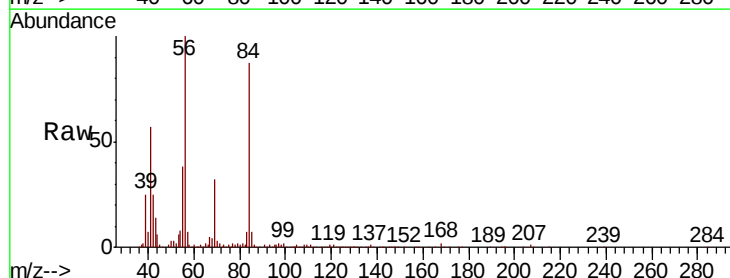
Instrument :
 MSVOA_W
 ClientSampleId :

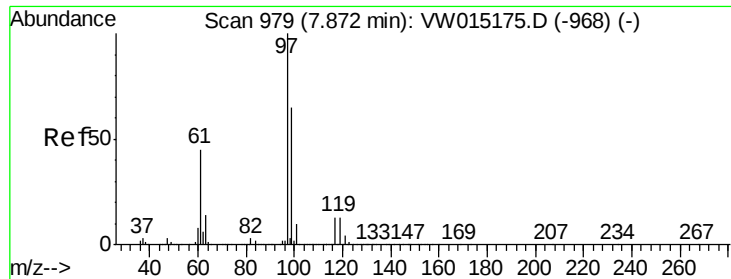
Tot Ion: 62 Resp: 88201
 Ion Ratio Lower Upper
 62 100
 98 11.4 7.9 11.9



#30
 Cyclohexane
 Concen: 4.538 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

Tgt Ion: 56 Resp: 154975
 Ion Ratio Lower Upper
 56 100
 69 31.7 24.9 37.3
 84 89.2 70.6 105.8





#31

1,1,1-Trichloroethane

Concen: 4.589 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

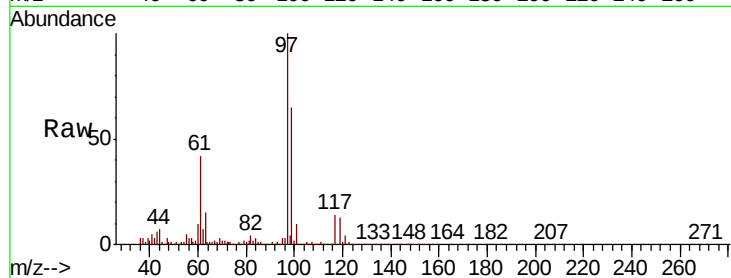
Tot Ion: 97 Resp: 128367

Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

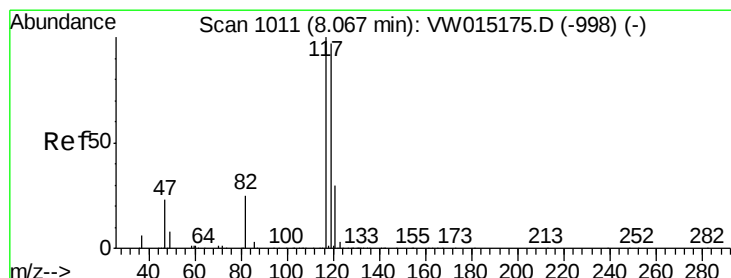
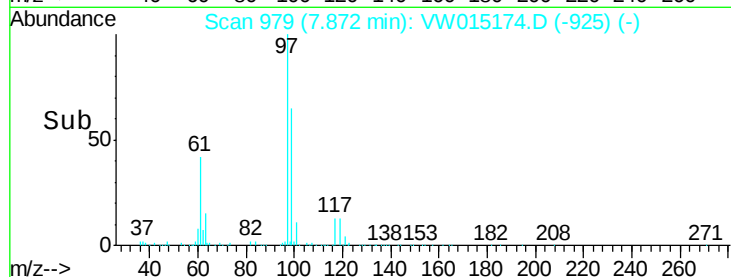
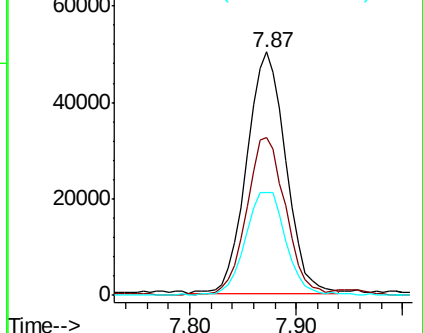
61 44.3 35.3 52.9



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: 4.741 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015174.D

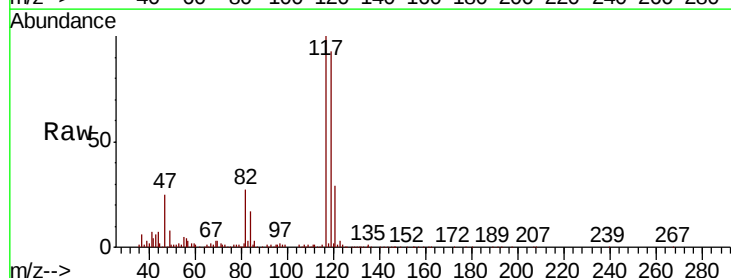
Acq: 10 Apr 2020 11:23

Tgt Ion: 117 Resp: 116030

Ion Ratio Lower Upper

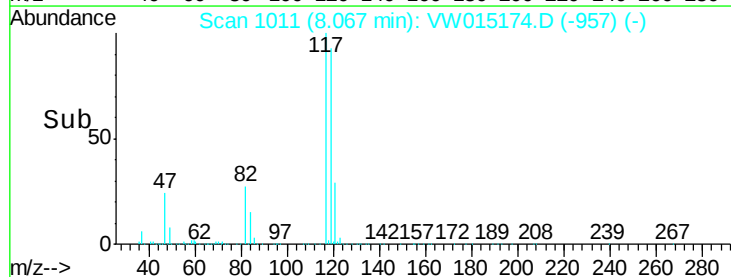
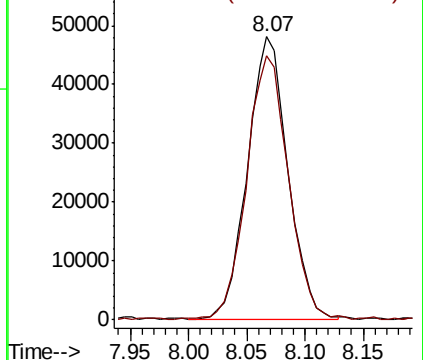
117 100

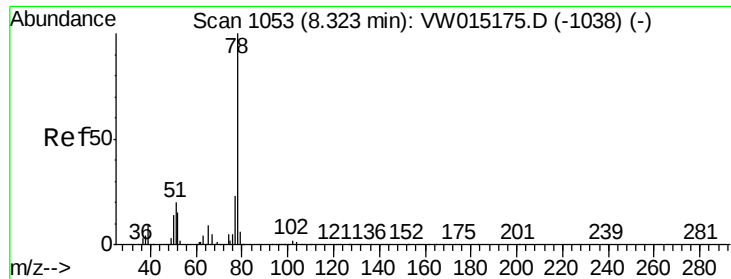
119 95.1 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 4.454 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015174.D

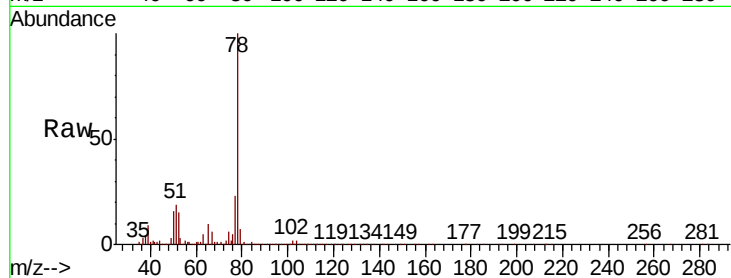
Acq: 10 Apr 2020 11:23

Instrument :

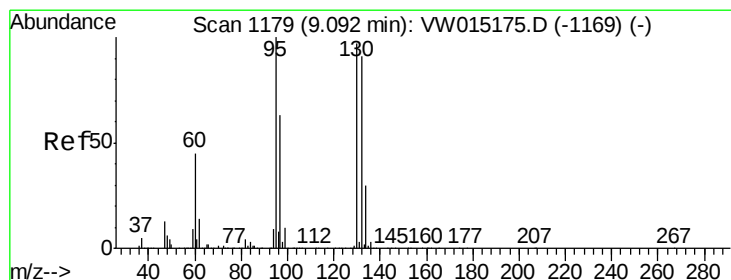
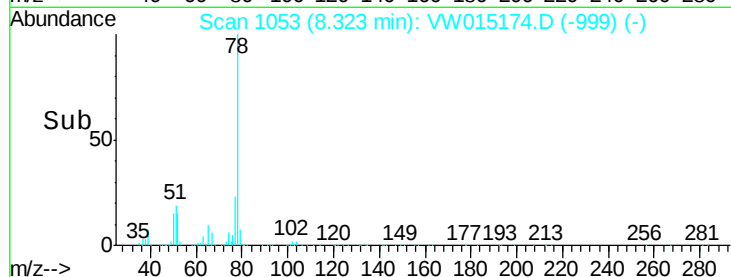
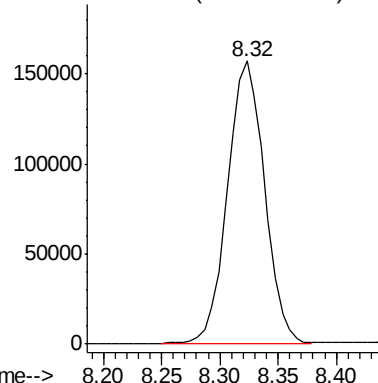
MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 348569



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 4.790 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Tgt Ion: 95 Resp: 92599

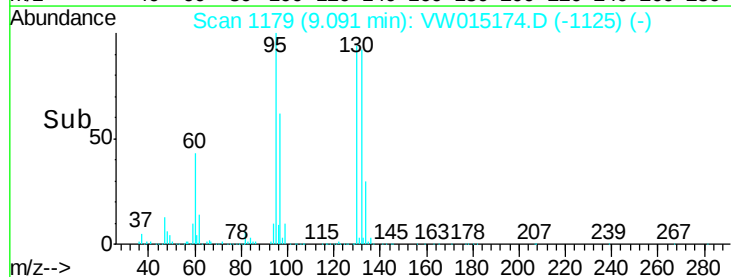
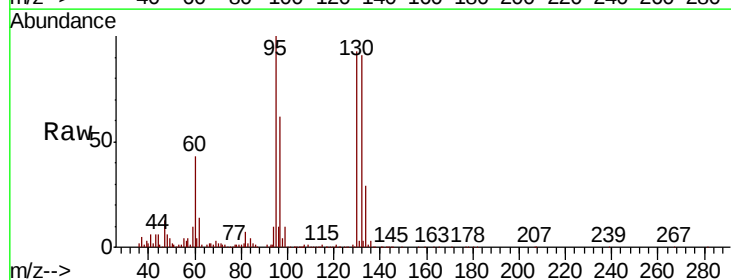
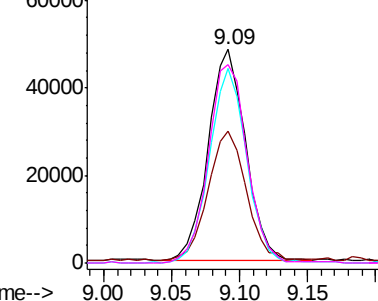
Ion	Ratio	Lower	Upper
95	100		
97	61.8	44.7	83.1
132	91.3	65.7	122.1
130	97.5	68.8	127.8

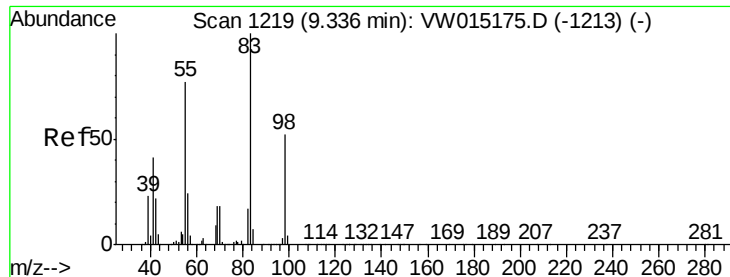
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

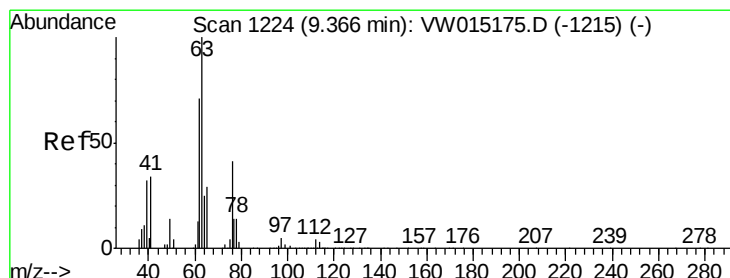
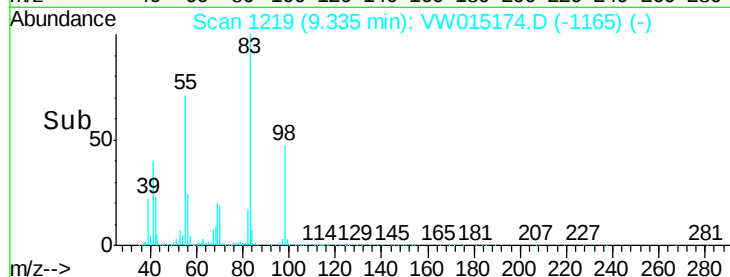
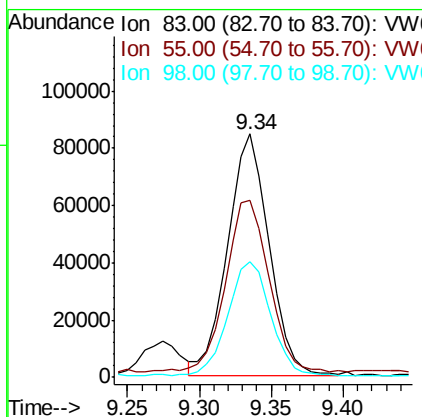
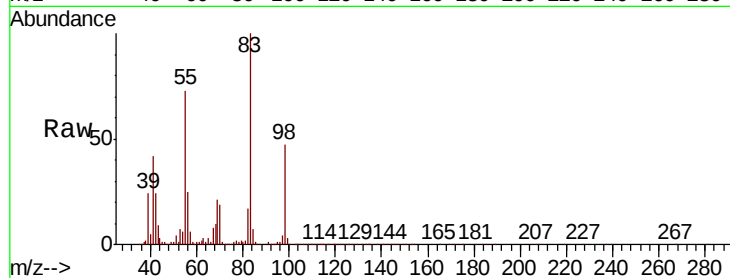




#36
Methvlcvclohexane
Concen: 5.093 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

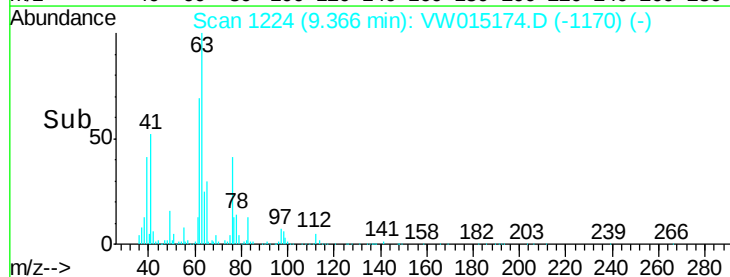
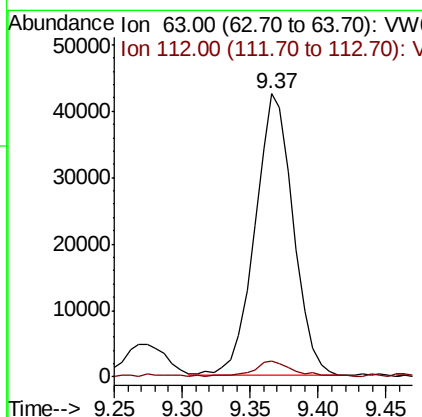
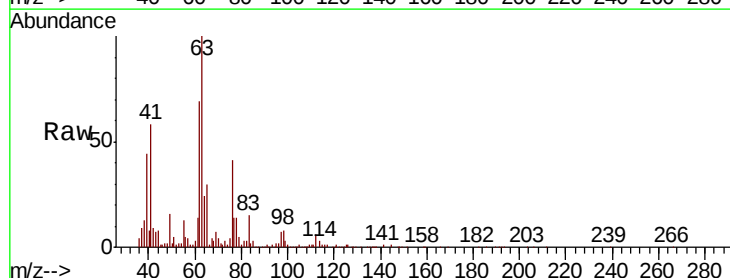
Instrument :
MSVOA_W
ClientSampleId :

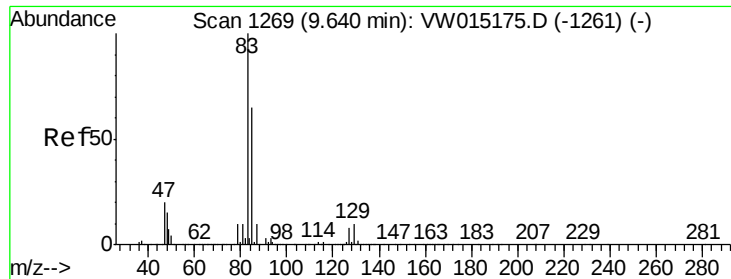
Tot Ion: 83 Resp: 169836
Ion Ratio Lower Upper
83 100
55 74.1 60.6 91.0
98 49.1 39.4 59.0



#40
1,2-Dichloropropane
Concen: 3.938 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

Tgt Ion: 63 Resp: 83726
Ion Ratio Lower Upper
63 100
112 5.3 3.4 5.2#





#41

Bromodichloromethane

Concen: 4.416 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

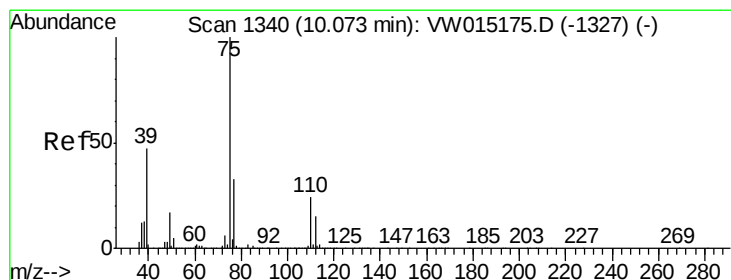
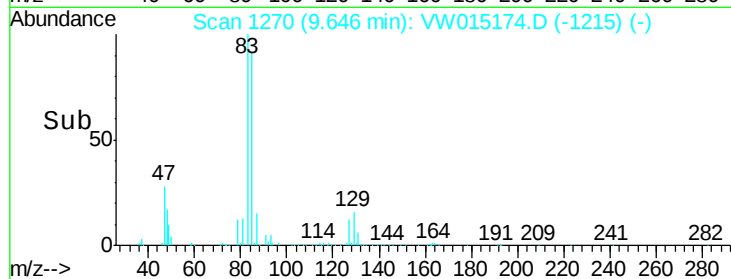
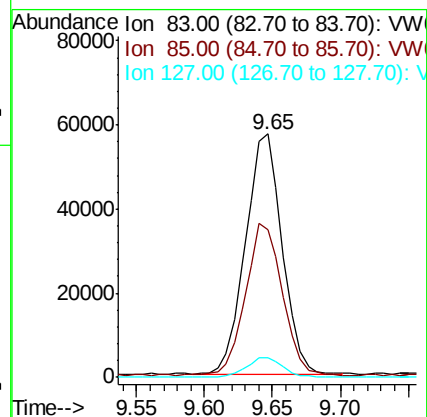
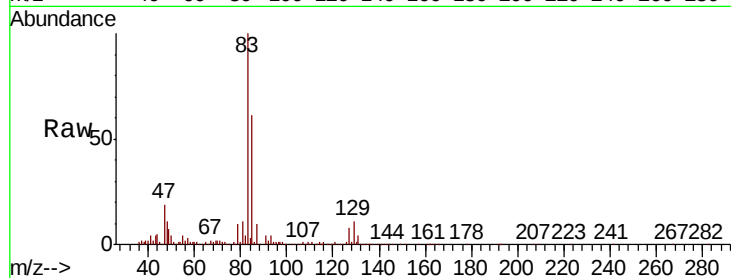
Tot Ion: 83 Resp: 108787

Ion Ratio Lower Upper

83 100

85 60.7 45.4 84.4

127 7.9 6.5 9.7



#42

cis-1,3-Dichloropropene

Concen: 4.644 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015174.D

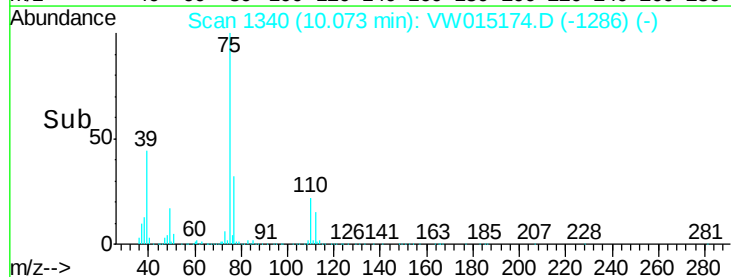
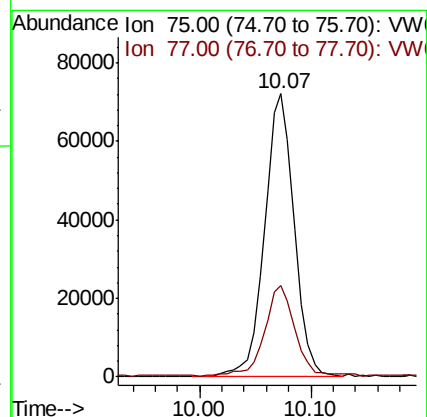
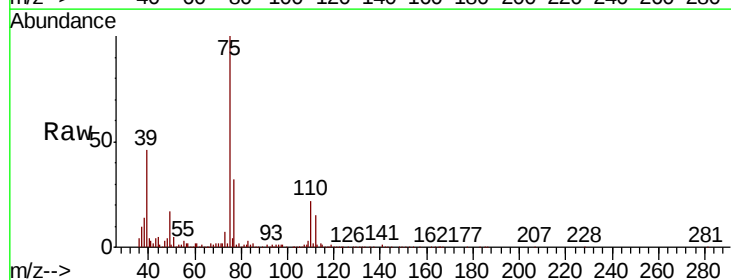
Acq: 10 Apr 2020 11:23

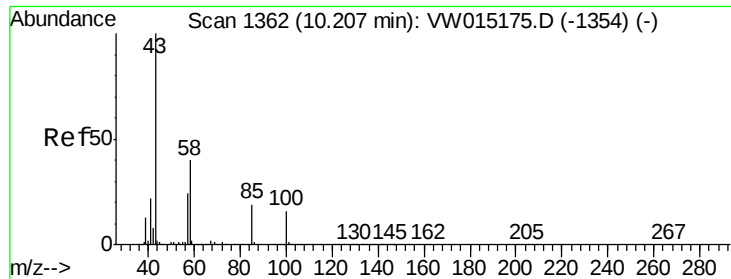
Tgt Ion: 75 Resp: 133684

Ion Ratio Lower Upper

75 100

77 32.4 23.0 42.8

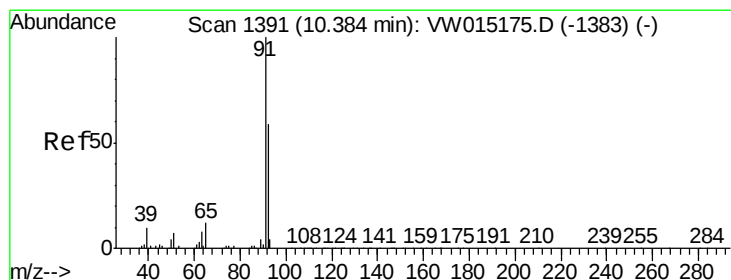
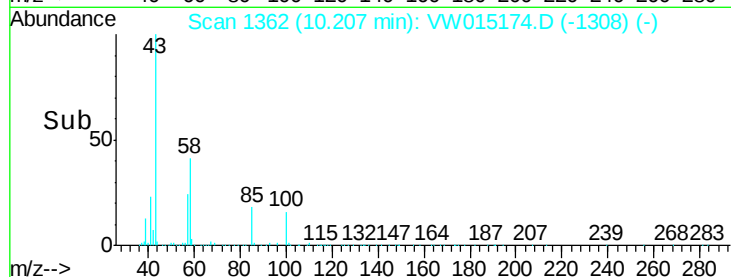
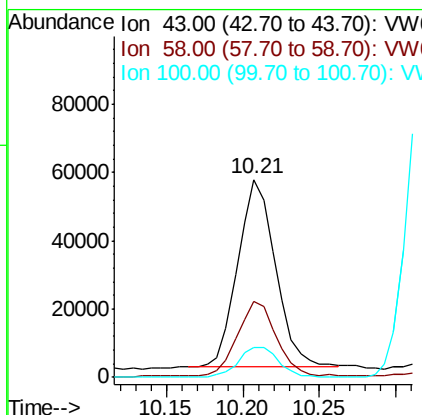
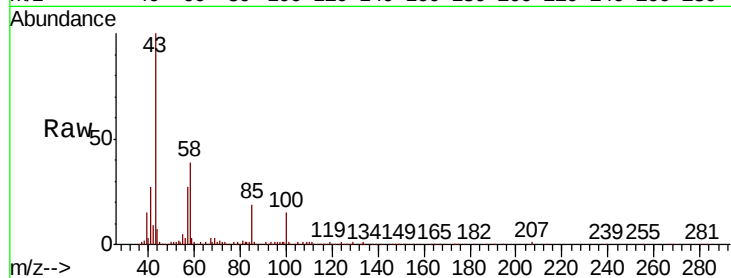




#43
4-Methyl-2-pentanone
Concen: 7.839 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

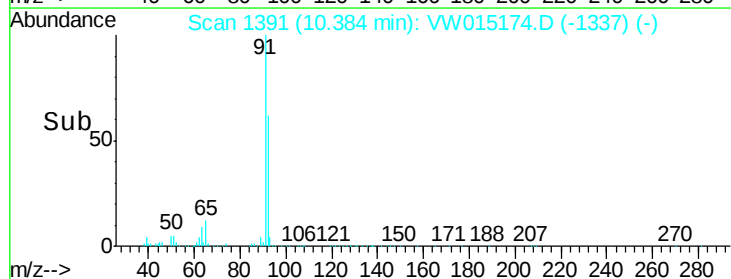
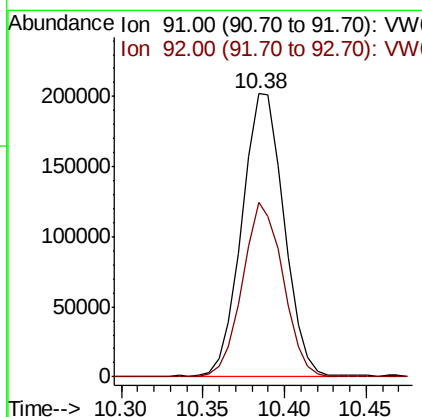
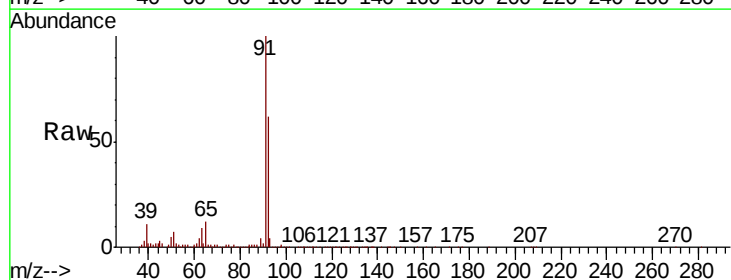
Instrument :
MSVOA_W
ClientSampleId :

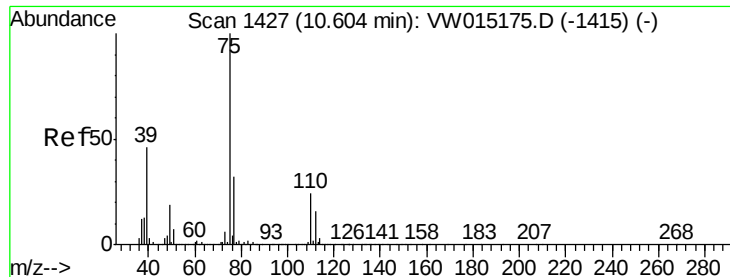
Tot Ion	43.00	Resp	94417
Ion Ratio	Lower	Upper	
43	100		
58	40.8	33.0	49.4
100	17.5	12.9	19.3



#44
Toluene
Concen: 4.651 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW015174.D
Acq: 10 Apr 2020 11:23

Tgt Ion	91.00	Resp	362652
Ion Ratio	Lower	Upper	
91	100		
92	61.6	41.6	77.2





#45

trans-1,3-Dichloropropene

Concen: 4.519 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

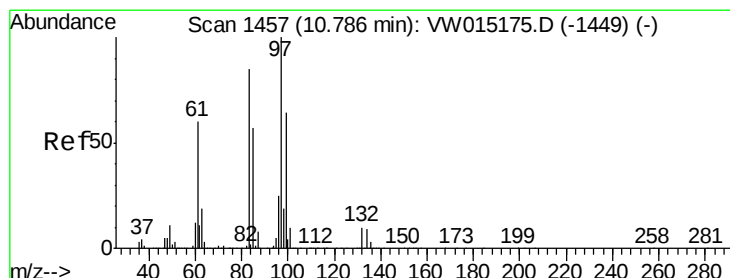
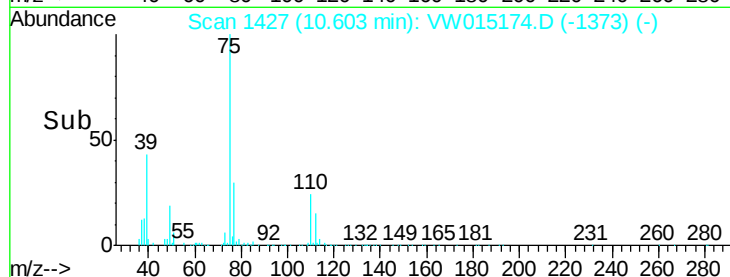
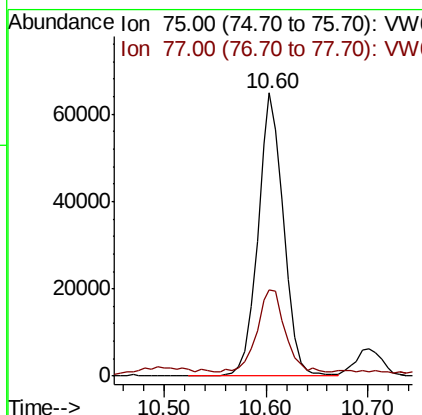
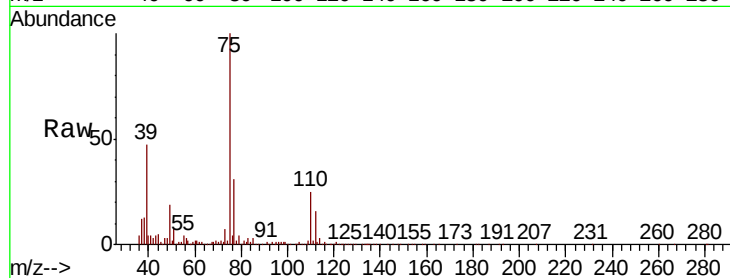
ClientSampleId :

Tot Ion: 75 Resp: 113363

Ion Ratio Lower Upper

75 100

77 30.5 22.4 41.6



#46

1,1,2-Trichloroethane

Concen: 4.522 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Tgt Ion: 97 Resp: 58264

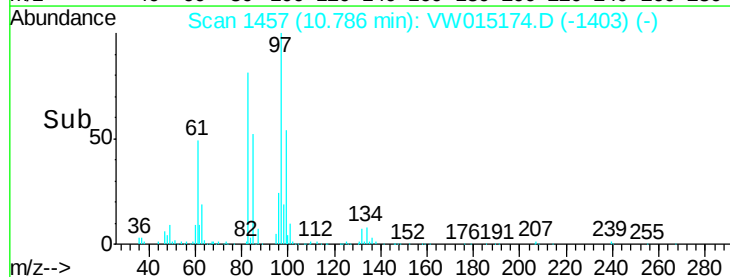
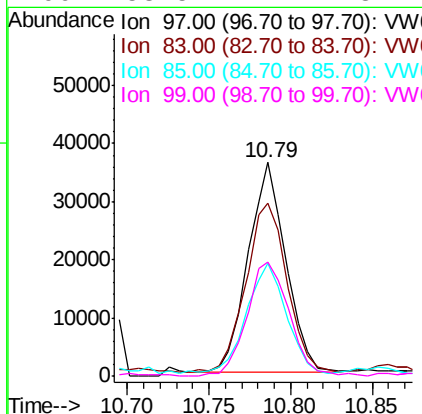
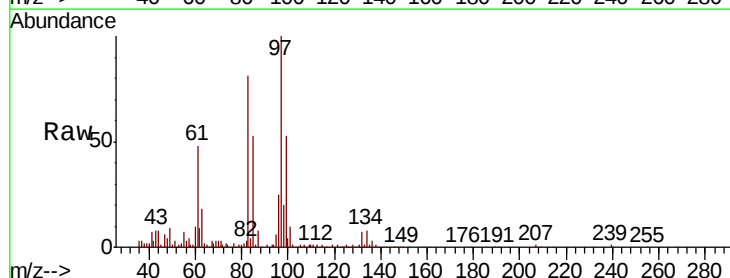
Ion Ratio Lower Upper

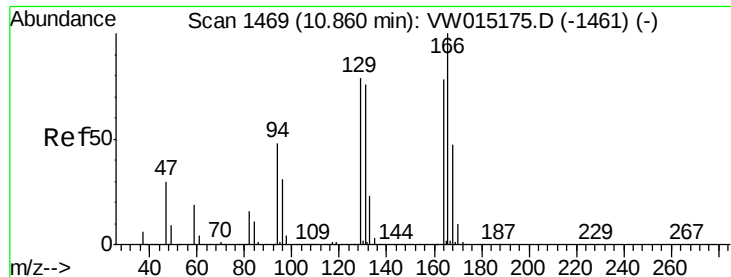
97 100

83 80.8 59.8 111.0

85 52.9 39.8 73.8

99 53.5 44.4 82.4





#47

Tetrachloroethene

Concen: 5.179 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 66168

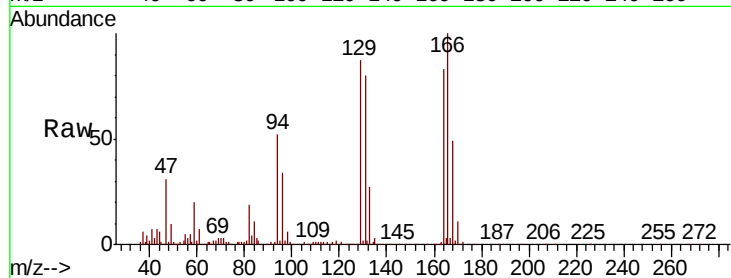
Ion Ratio Lower Upper

164 100

129 104.7 70.7 131.3

131 96.3 67.6 125.6

166 121.0 89.3 165.9



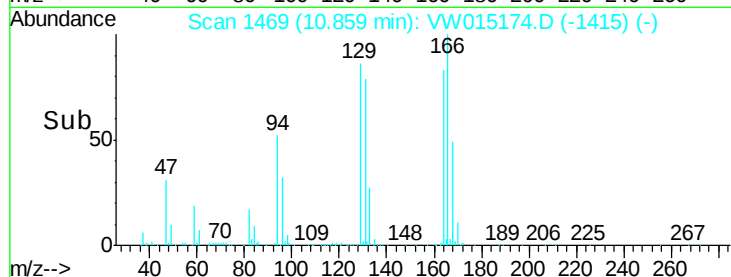
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



Abundance

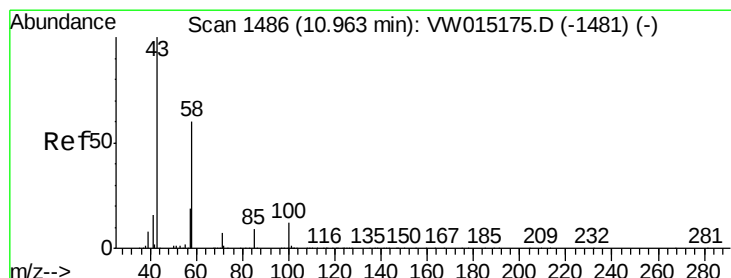
Ion 164.00 (163.70 to 164.70): V

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

Time-->



#49

2-Hexanone

Concen: 7.547 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Tgt Ion: 43 Resp: 60153

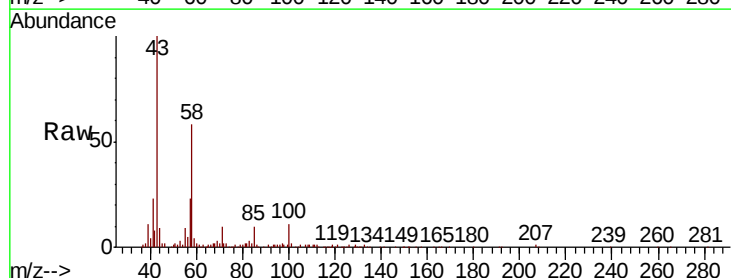
Ion Ratio Lower Upper

43 100

58 59.7 45.4 68.2

57 21.4 15.2 22.8

100 13.4 10.0 15.0



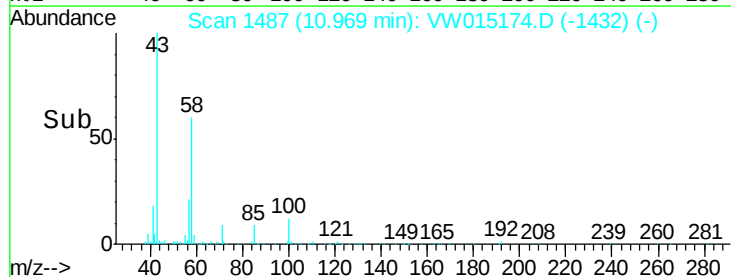
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time-->



Abundance

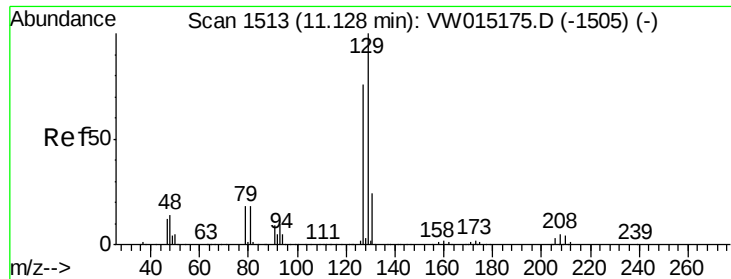
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time-->



#50

Dibromochloromethane

Concen: 5.049 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

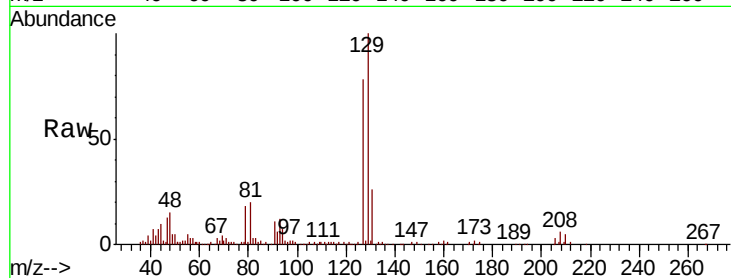
ClientSampleId :

Tot Ion:129 Resp: 68571

Ion Ratio Lower Upper

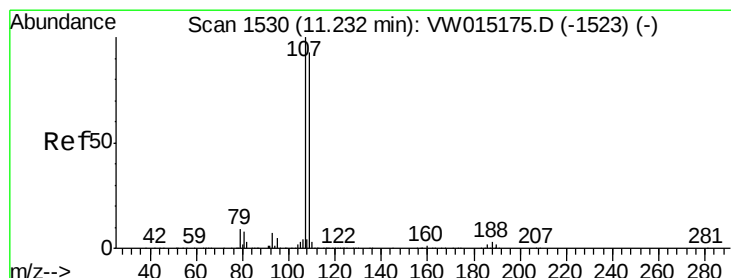
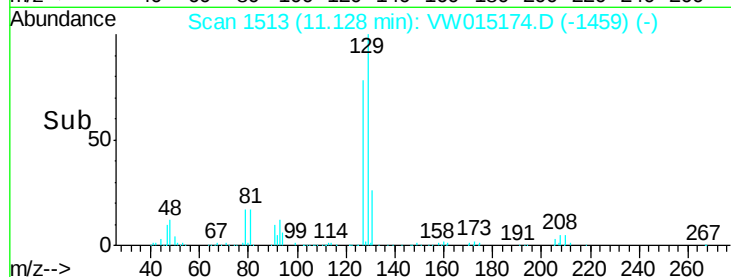
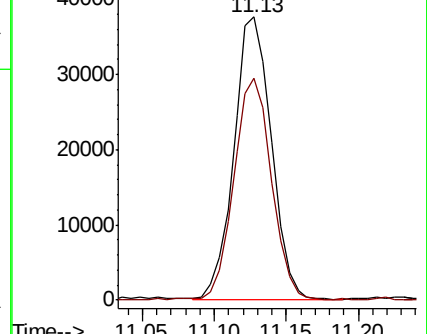
129 100

127 78.4 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 4.716 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

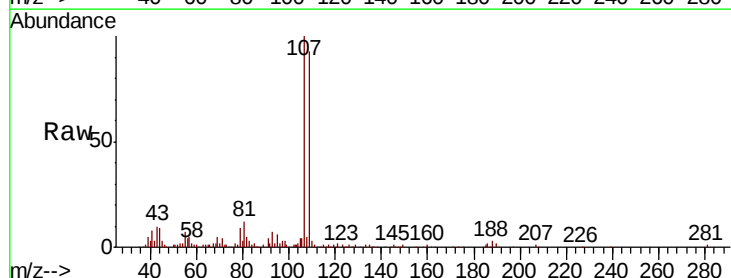
Tgt Ion:107 Resp: 54538

Ion Ratio Lower Upper

107 100

109 93.3 65.0 120.8

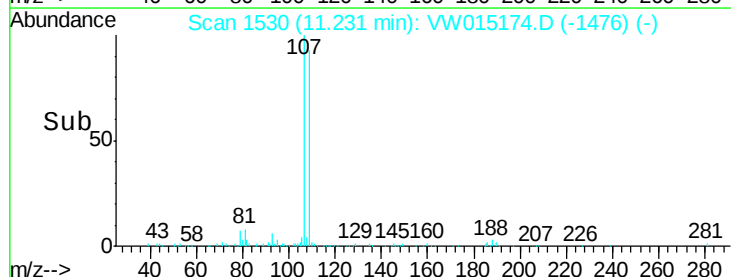
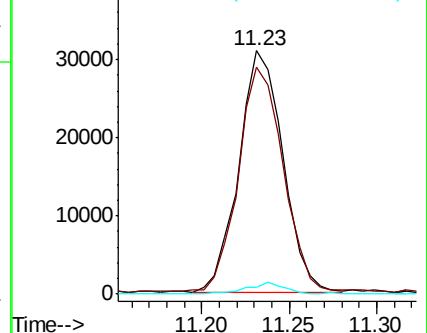
188 3.1 2.6 4.0

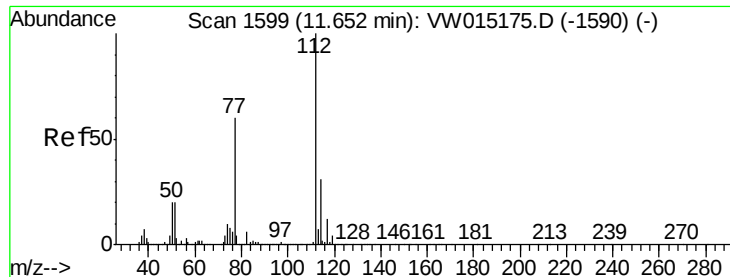


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 4.807 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

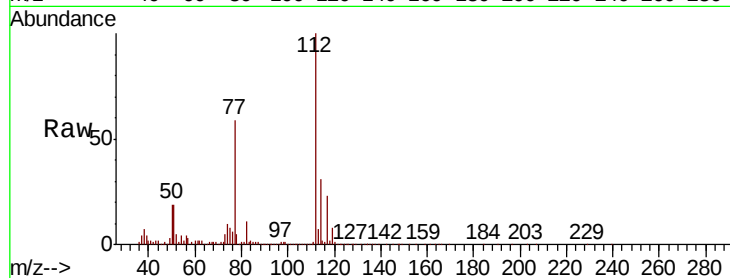
Tot Ion:112 Resp: 223666

Ion Ratio Lower Upper

112 100

77 58.8 47.8 71.8

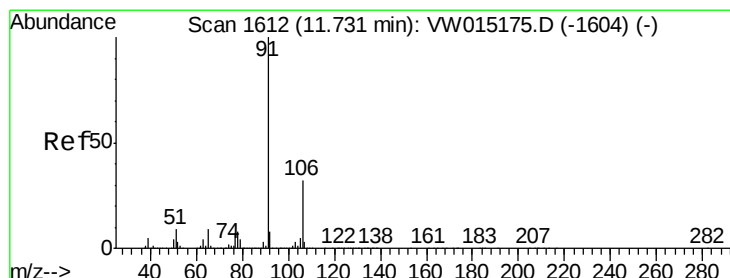
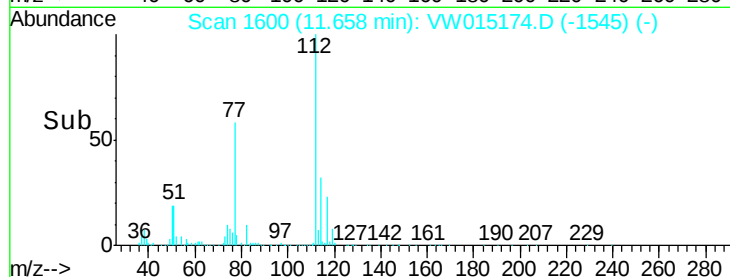
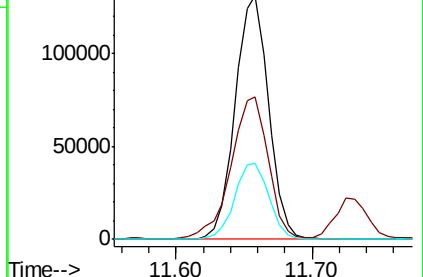
114 31.4 21.8 40.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 4.834 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015174.D

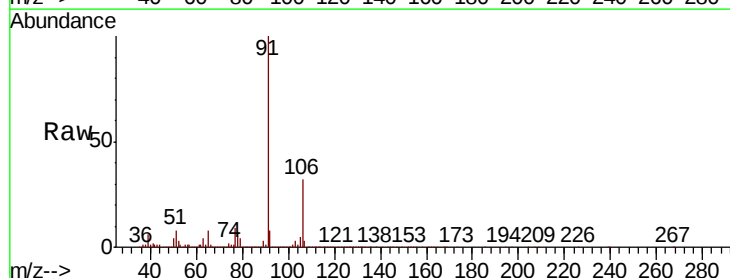
Acq: 10 Apr 2020 11:23

Tgt Ion: 91 Resp: 409500

Ion Ratio Lower Upper

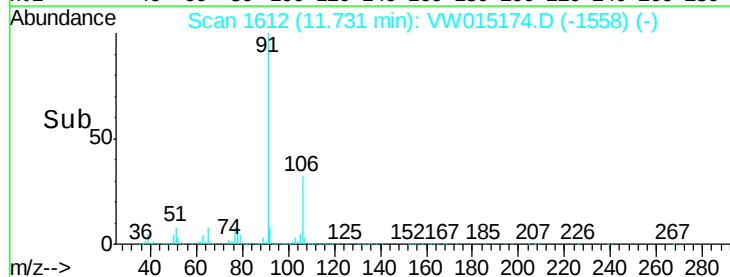
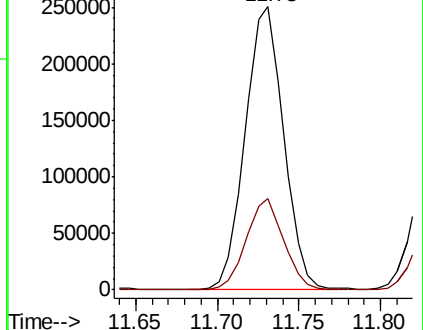
91 100

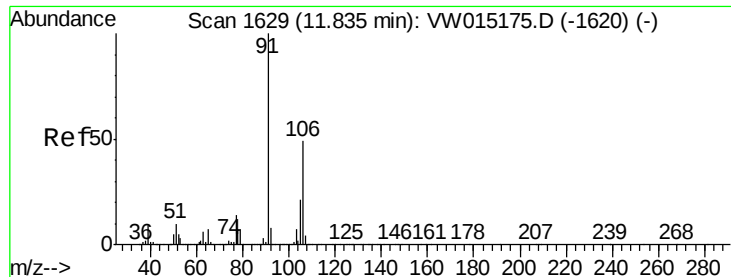
106 32.3 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 5.236 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

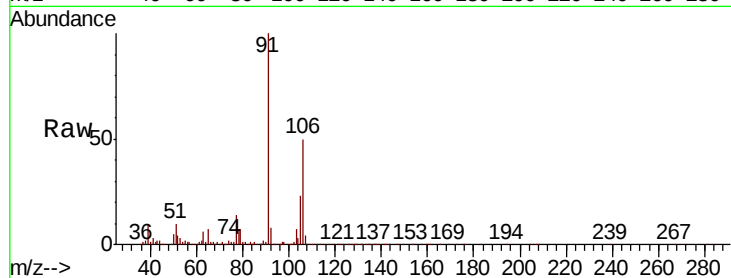
ClientSampled :

Tot Ion:106 Resp: 157913

Ion Ratio Lower Upper

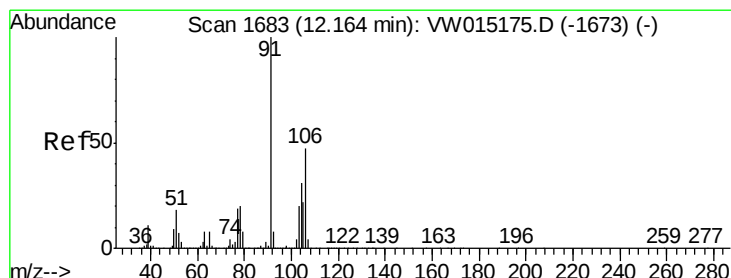
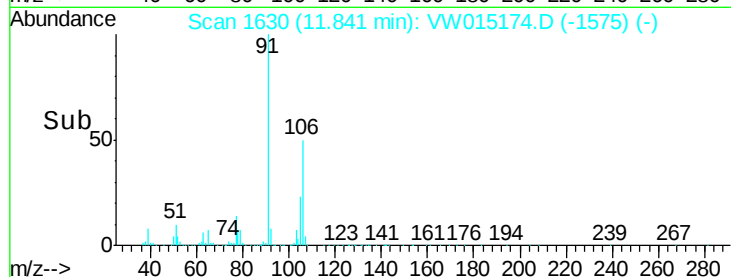
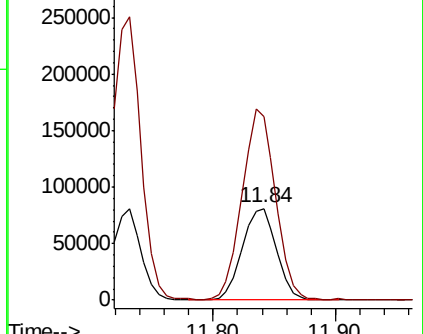
106 100

91 199.5 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 5.284 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015174.D

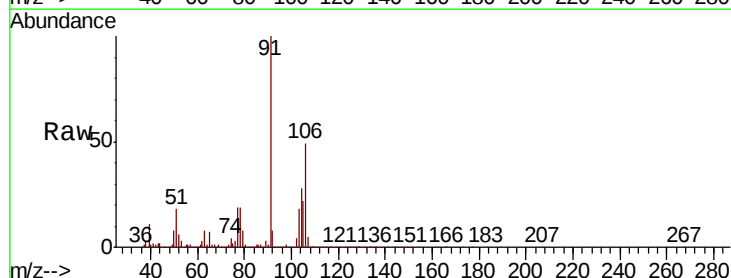
Acq: 10 Apr 2020 11:23

Tgt Ion:106 Resp: 150082

Ion Ratio Lower Upper

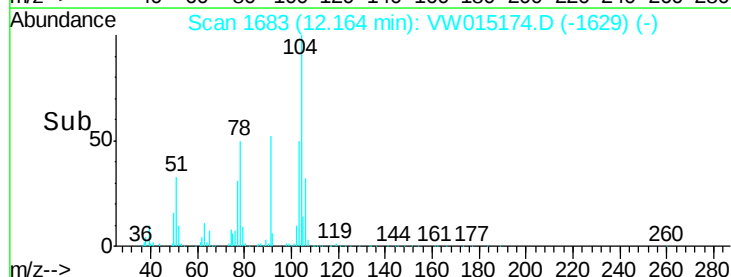
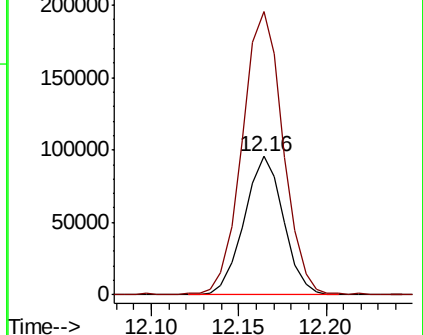
106 100

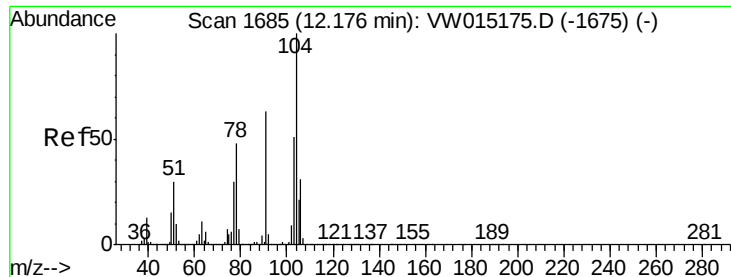
91 204.2 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 5.175 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

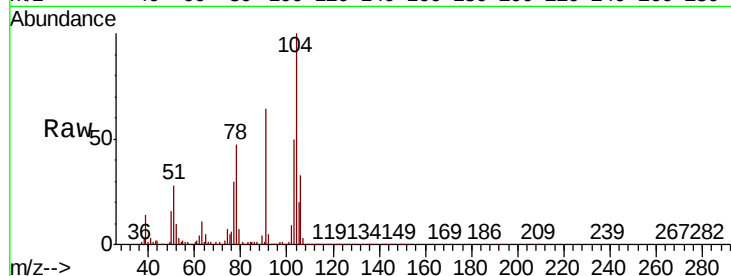
ClientSampleId :

Tot Ion:104 Resp: 248732

Ion Ratio Lower Upper

104 100

78 46.6 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.18

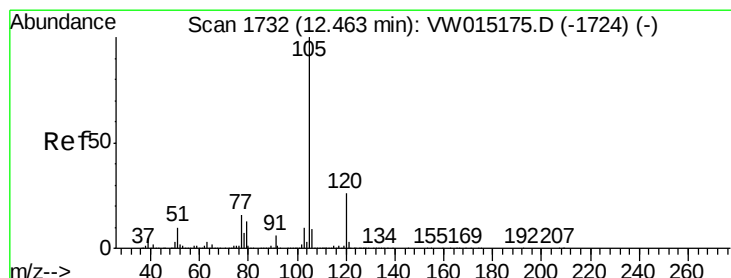
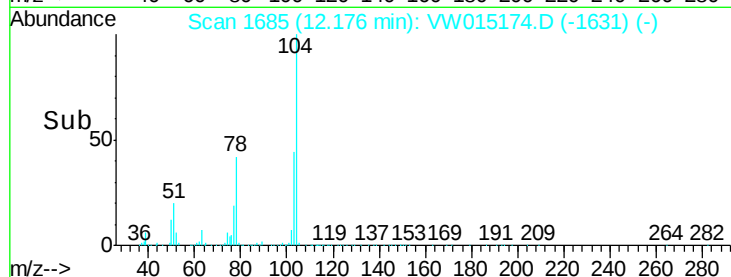
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 5.209 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

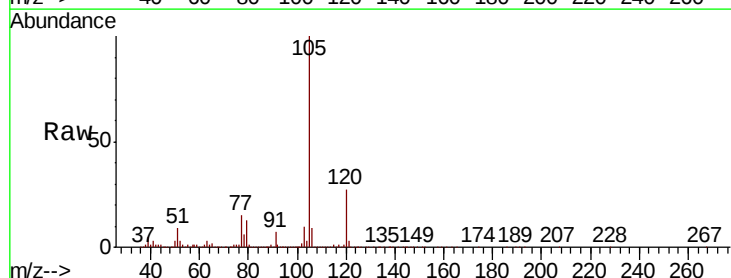
Tgt Ion:105 Resp: 405730

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

77 15.4 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

12.46

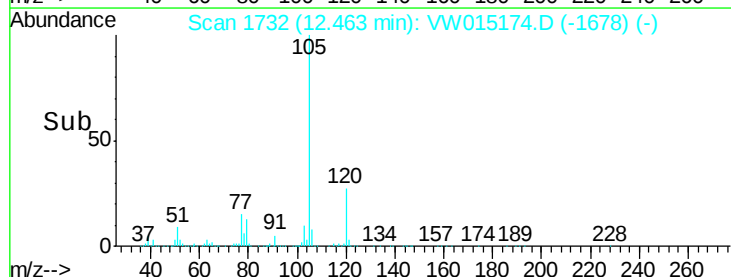
300000

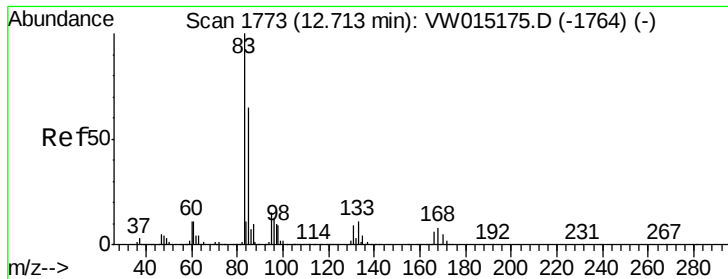
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 4.103 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015174.D

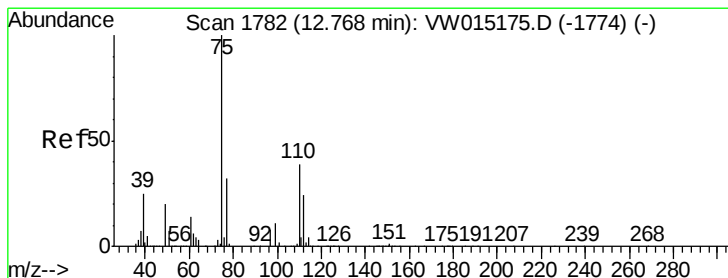
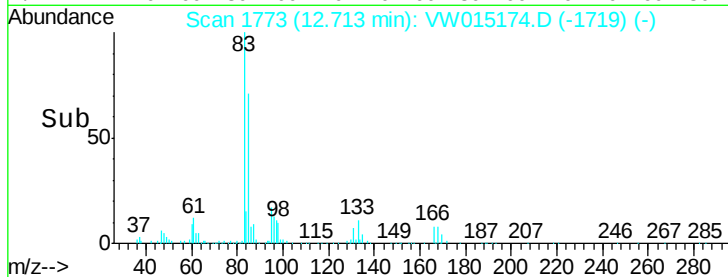
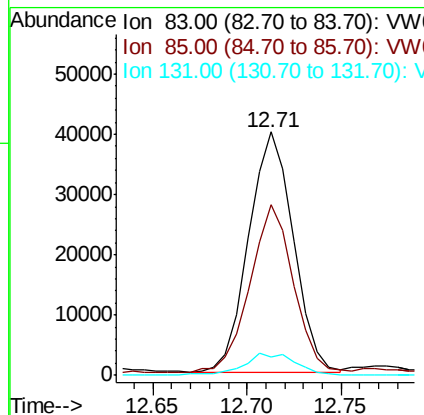
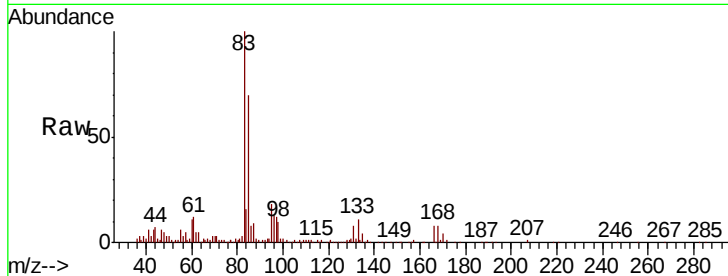
Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	83	Resp:	65328
Ion	Ratio	Lower	Upper
83	100		
85	70.3	45.8	85.0
131	7.8	7.2	10.8



#59

1,2,3-Trichloropropane

Concen: 4.135 ug/L

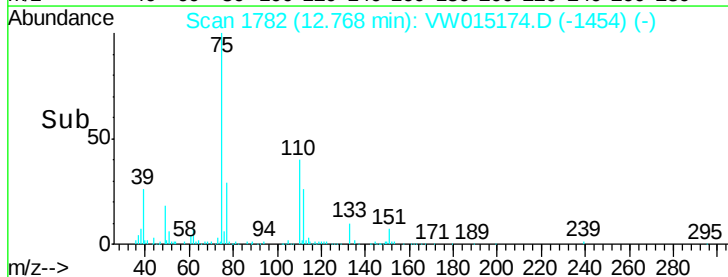
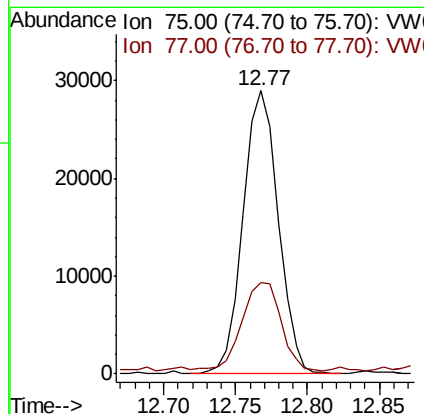
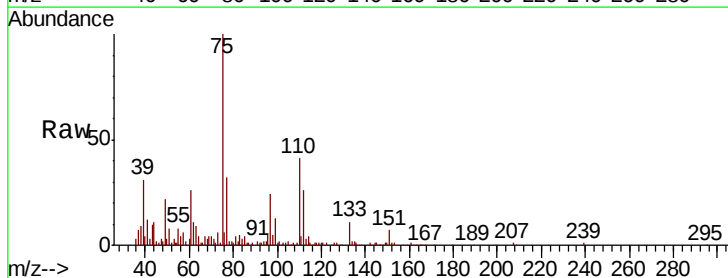
RT: 12.77 min Scan# 1782

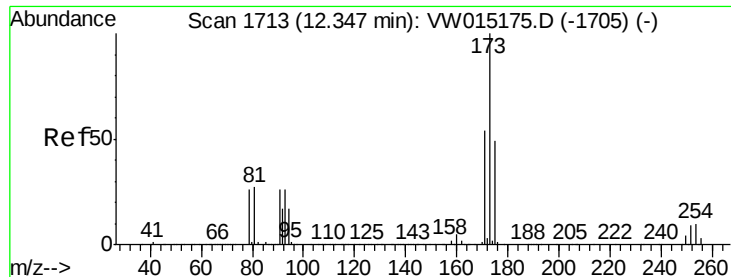
Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Tgt Ion:	75	Resp:	49248
Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.7	38.5





#62

Bromoform

Concen: 5.092 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

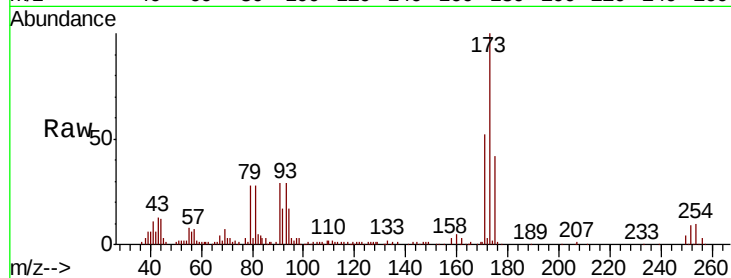
Tot Ion:173 Resp: 36849

Ion Ratio Lower Upper

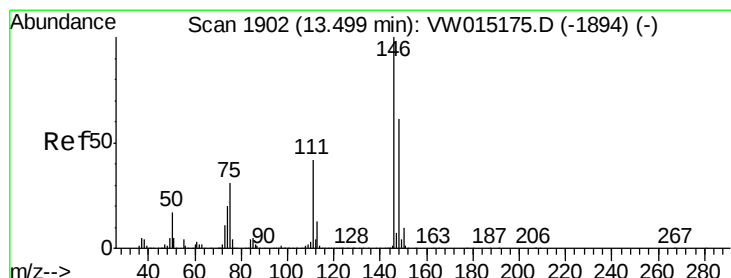
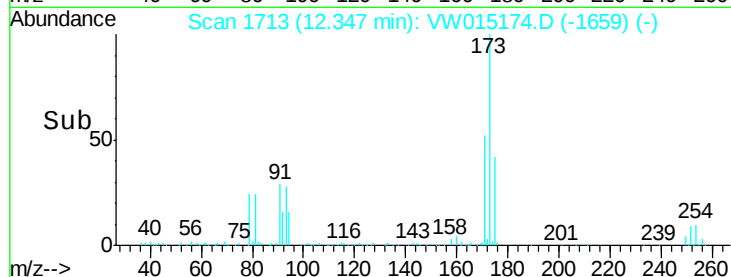
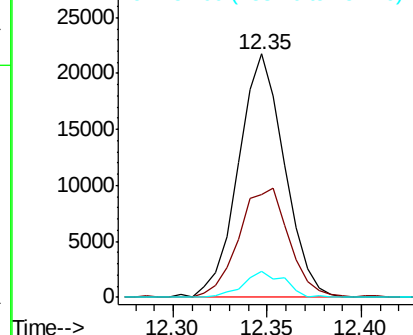
173 100

175 48.8 38.5 57.7

254 9.4 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 5.016 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

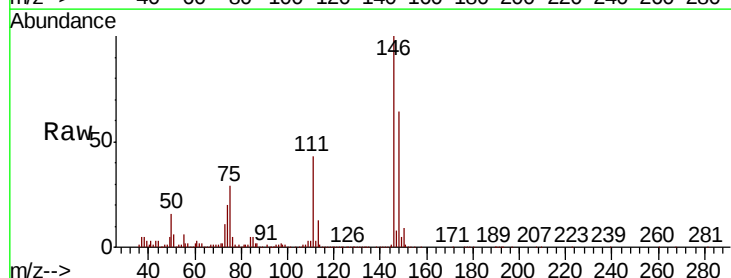
Tgt Ion:146 Resp: 160670

Ion Ratio Lower Upper

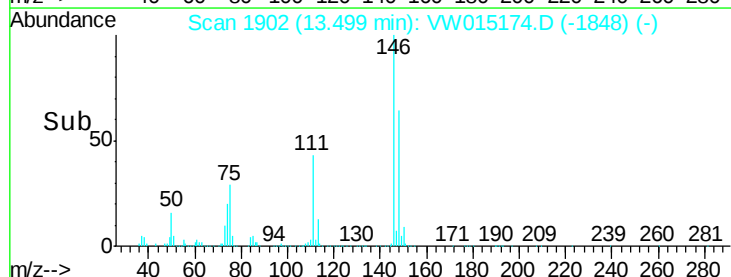
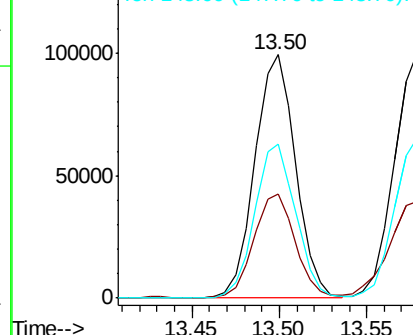
146 100

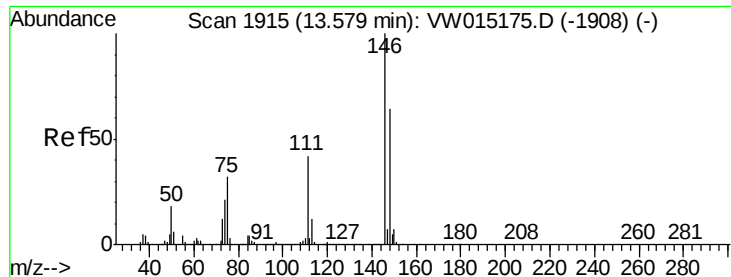
111 43.0 29.3 54.3

148 63.5 42.9 79.7



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





#64

1,4-Dichlorobenzene

Concen: 4.858 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015174.D

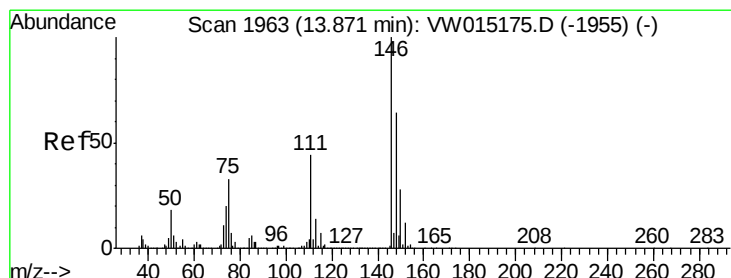
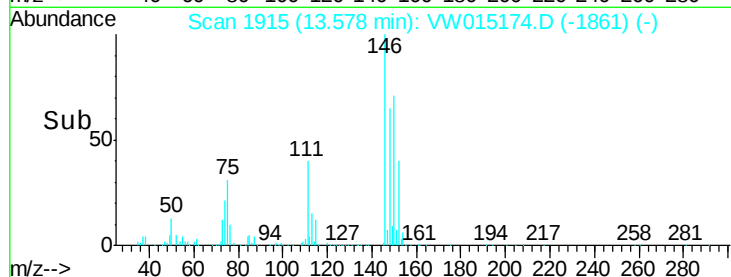
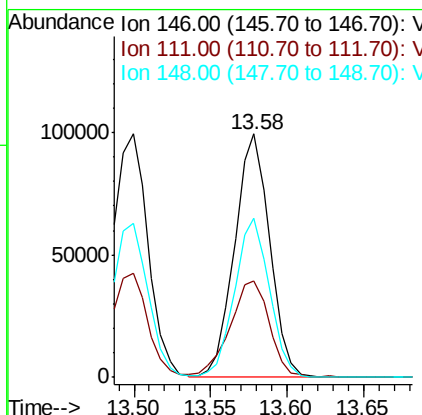
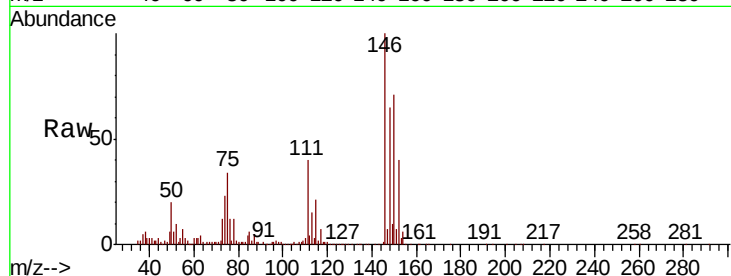
Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146	Resp:	157596
Ion	Ratio	Lower Upper
146	100	
111	39.9	29.4 54.6
148	65.3	44.8 83.2



#65

1,2-Dichlorobenzene

Concen: 4.961 ug/L

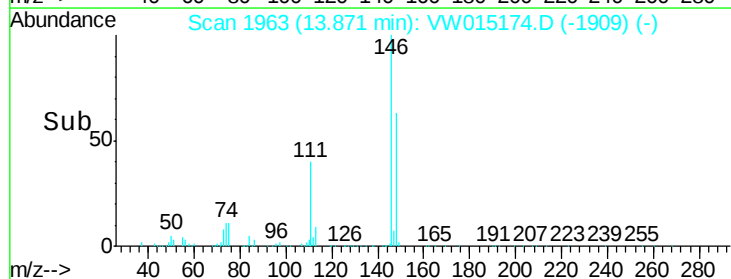
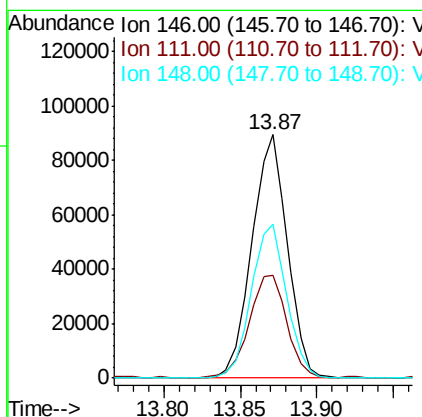
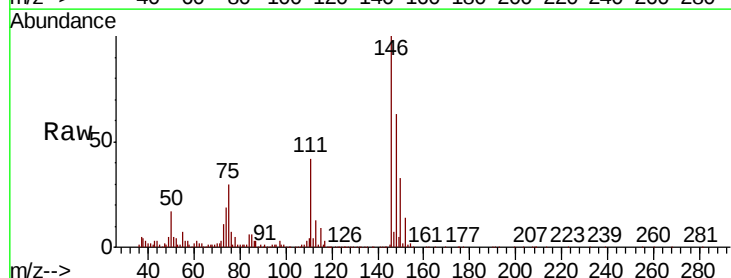
RT: 13.87 min Scan# 1963

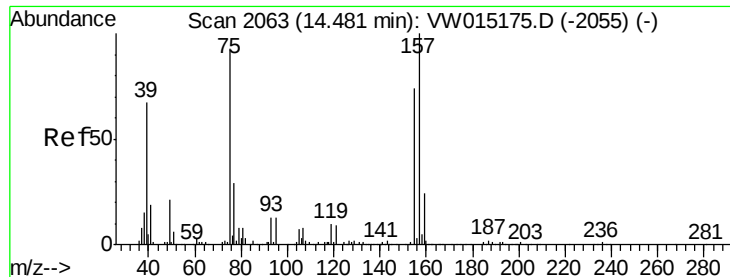
Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Tgt Ion:146	Resp:	143822
Ion	Ratio	Lower Upper
146	100	
111	42.1	35.2 52.8
148	63.2	51.6 77.4

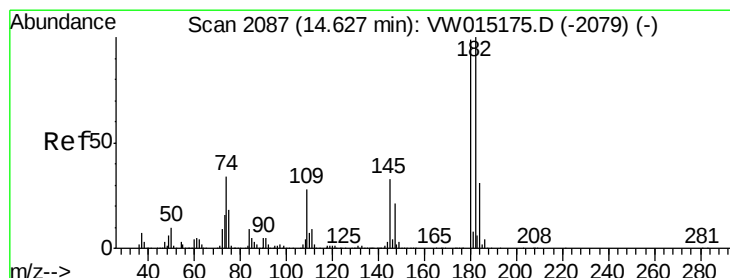
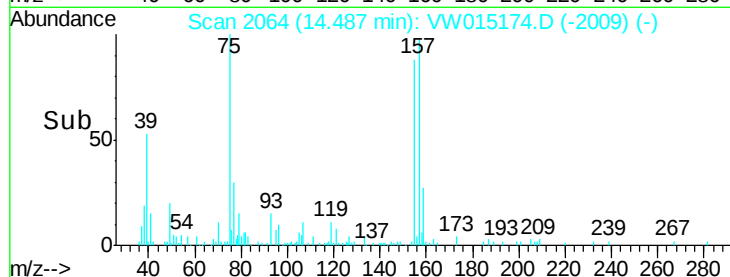
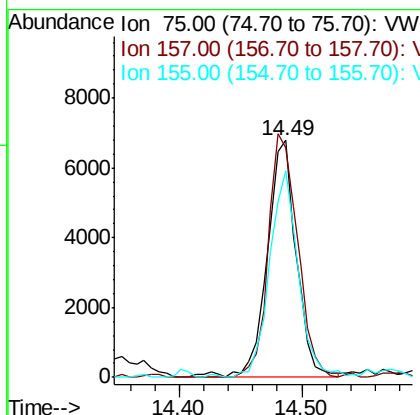
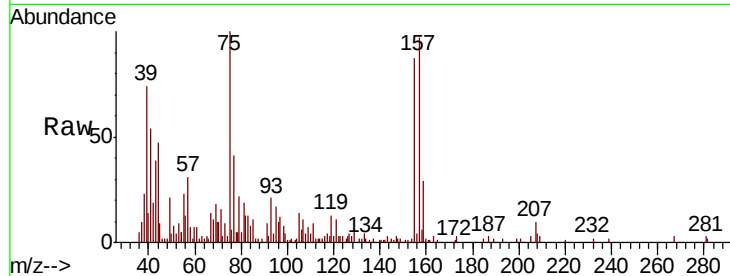




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.139 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

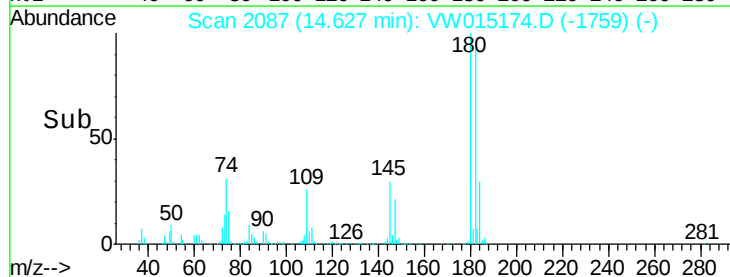
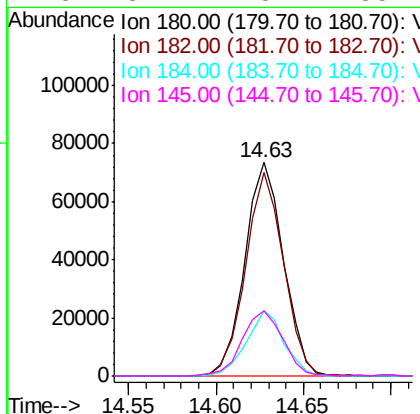
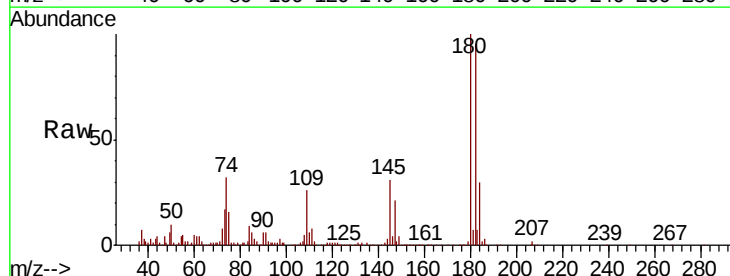
Instrument :
 MSVOA_W
 ClientSampleId :

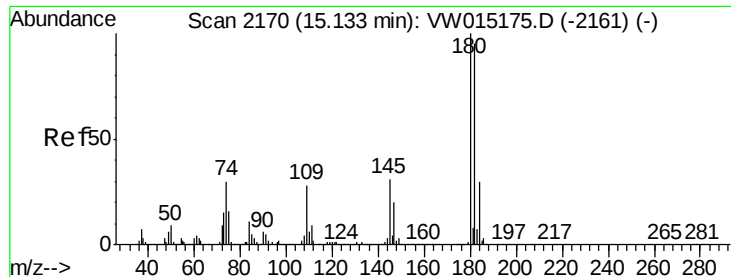
Tot Ion: 75 Resp: 11245
 Ion Ratio Lower Upper
 75 100
 157 96.9 85.7 128.5
 155 87.0 63.8 95.6



#67
 1,3,5-Trichlorobenzene
 Concen: 5.346 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

Tgt Ion:180 Resp: 112818
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.1 115.7
 184 29.6 24.5 36.7
 145 32.2 25.4 38.2





#68

1,2,4-trichlorobenzene

Concen: 5.230 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

Instrument :

MSVOA_W

ClientSampleId :

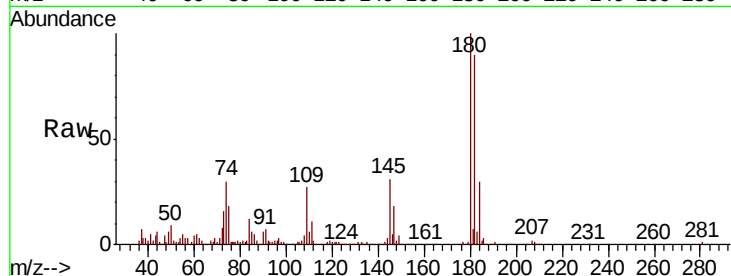
Tot Ion:180 Resp: 84450

Ion Ratio Lower Upper

180 100

182 93.6 77.7 116.5

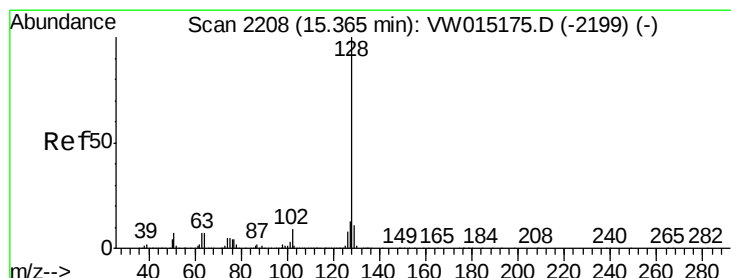
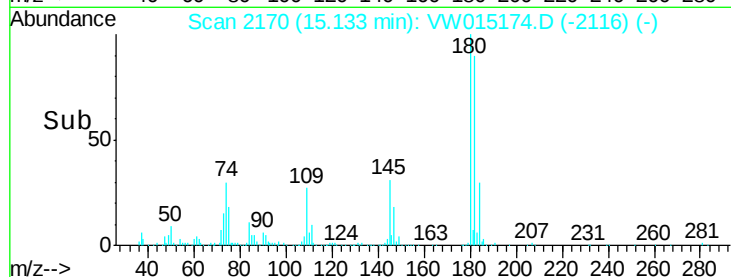
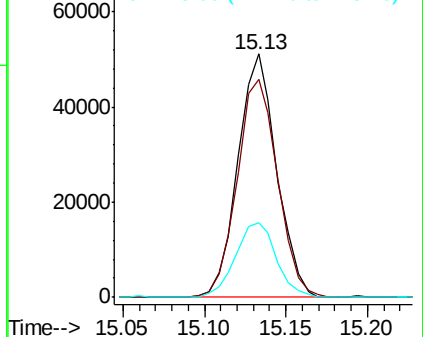
145 32.3 25.9 38.9



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: 4.933 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015174.D

Acq: 10 Apr 2020 11:23

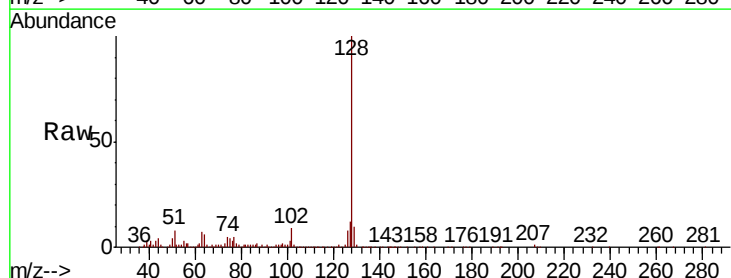
Tgt Ion:128 Resp: 155419

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

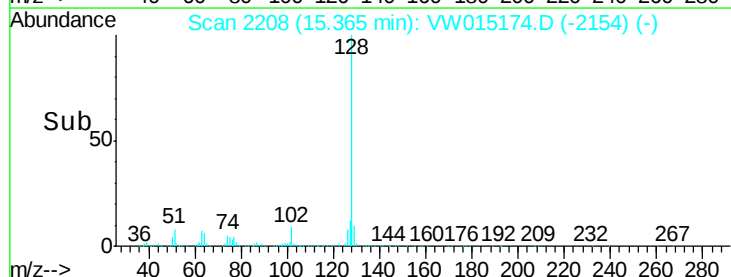
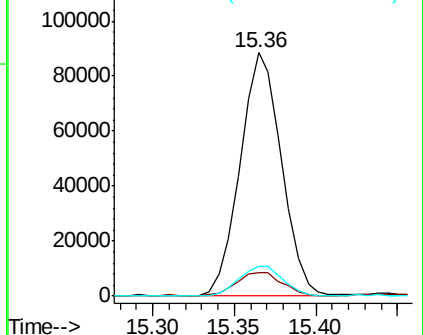
127 13.2 10.4 15.6

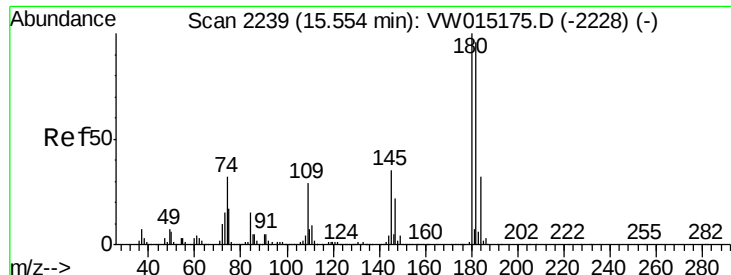


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

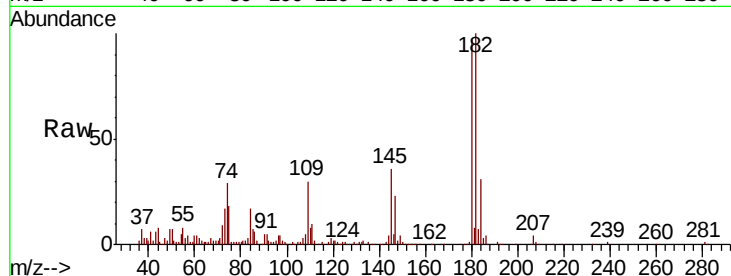




#70
 1,2,3-Trichlorobenzene
 Concen: 4.837 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW015174.D
 Acq: 10 Apr 2020 11:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.0	112.6
145	35.1	27.4	41.2



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

