

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030220\
 Data File : VW015090.D
 Acq On : 02 Mar 2020 16:33
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 03 02:25:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 03 02:23:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	710203	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	663023	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	305297	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	273083	15.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.48%
7) Chloroethane-d5	2.89	69	225160	17.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.32%
10) 1,1-Dichloroethene-d2	4.03	63	550326	19.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.64%
20) 2-Butanone-d5	7.07	46	181050	60.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.94%
24) Chloroform-d	7.65	84	508328	21.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.12%
26) 1,2-Dichloroethane-d4	8.30	65	308057	23.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.40%
29) Benzene-d6	8.27	84	983481	21.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.36%
33) 1,2-Dichloropropane-d6	9.27	67	337951	22.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.64%
37) Toluene-d8	10.32	98	857434	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.24%
38) trans-1,3-Dichloropropene-	10.57	79	133245	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.52%
39) 2-Hexanone-d5	10.92	63	130611	64.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	269768	27.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	240906	21.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	134938	22.267	ug/L 99
3) Chloromethane	2.21	50	251773	18.124	ug/L 98
5) Vinyl chloride	2.36	62	349577	19.449	ug/L 100
6) Bromomethane	2.78	94	171851	21.298	ug/L 99
8) Chloroethane	2.92	64	206679	21.133	ug/L 96
9) Trichlorofluoromethane	3.26	101	176910	21.840	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	266622	23.899	ug/L 100
12) 1,1-Dichloroethene	4.04	96	249224	23.464	ug/L 86
13) Acetone	4.12	43	194922	55.501	ug/L 97
14) Carbon disulfide	4.38	76	871529	21.927	ug/L 99
15) Methyl Acetate	4.67	43	182826	30.916	ug/L 99
16) Methylene chloride	4.92	84	318875	24.257	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	364360	28.341	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	264759	24.127	ug/L 97
19) 1,1-Dichloroethane	6.21	63	604027	24.679	ug/L 98
21) 2-Butanone	7.16	43	258256	62.534	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	289203	25.896	ug/L 96

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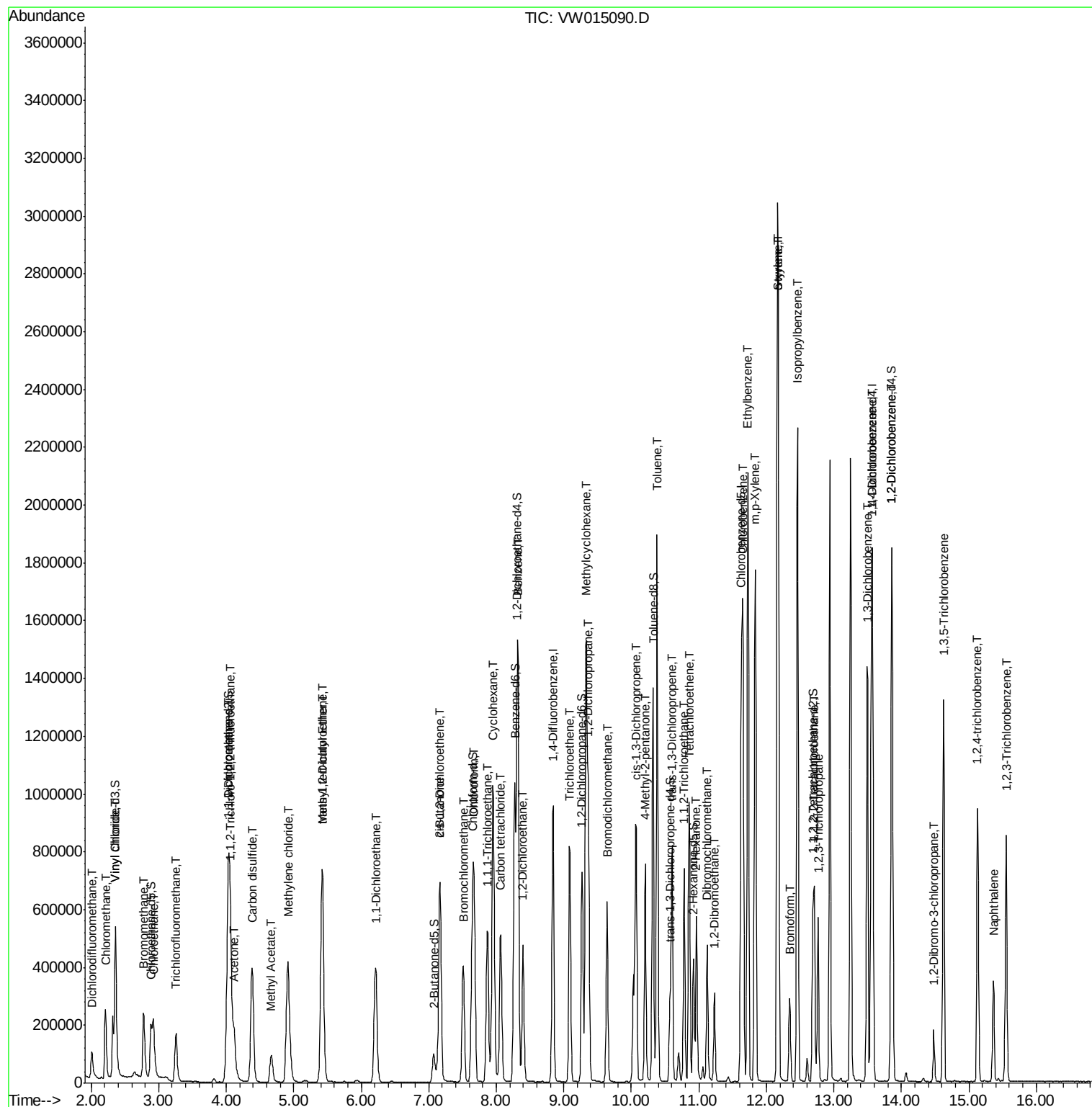
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	115010	26.473	ug/L	94
25) Chloroform	7.67	83	547082	24.631	ug/L	99
27) 1,2-Dichloroethane	8.40	62	416201	27.387	ug/L	99
30) Cyclohexane	7.95	56	565344	25.503	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	408770	23.906	ug/L	98
32) Carbon tetrachloride	8.07	117	363064	23.694	ug/L	99
34) Benzene	8.32	78	1252612	25.397	ug/L	100
35) Trichloroethene	9.09	95	290751	24.370	ug/L	99
36) Methylcyclohexane	9.34	83	540063	26.362	ug/L	98
40) 1,2-Dichloropropane	9.37	63	358502	26.172	ug/L	100
41) Bromodichloromethane	9.64	83	404289	26.312	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	487900	27.334	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	518369	67.659	ug/L	100
44) Toluene	10.38	91	1274328	26.604	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	408331	28.304	ug/L	100
46) 1,1,2-Trichloroethane	10.78	97	219613	28.490	ug/L	96
47) Tetrachloroethene	10.86	164	188890	24.566	ug/L	97
49) 2-Hexanone	10.96	43	387071	69.686	ug/L	99
50) Dibromochloromethane	11.13	129	225670	27.509	ug/L	99
51) 1,2-Dibromoethane	11.23	107	199120	29.640	ug/L	94
52) Chlorobenzene	11.65	112	722125	25.631	ug/L	98
53) Ethylbenzene	11.73	91	1404653	26.844	ug/L	99
54) m,p-Xylene	11.83	106	495715	27.077	ug/L	100
55) o-xylene	12.16	106	469482	27.522	ug/L	97
56) Styrene	12.18	104	819935	28.063	ug/L	100
57) Isopropylbenzene	12.46	105	1291714	27.805	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	301949	31.046	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	228120	30.516	ug/L	99
62) Bromoform	12.35	173	114971	26.792	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	507982	25.505	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	515010	25.115	ug/L	97
65) 1,2-Dichlorobenzene	13.86	146	469301	26.018	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	47473	29.811	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	333380	24.961	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	255914	26.218	ug/L	99
69) Naphthalene	15.36	128	270284	31.191	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	244040	27.855	ug/L	98

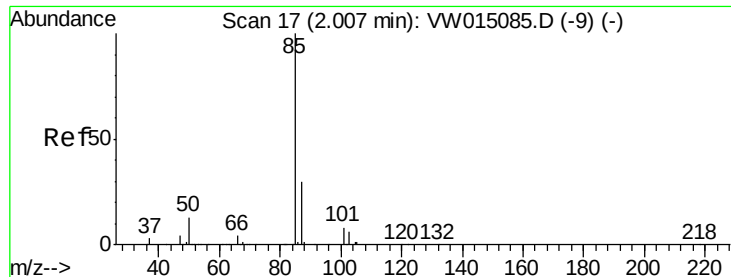
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.267 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

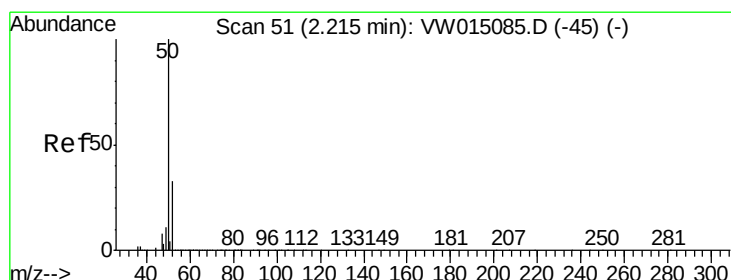
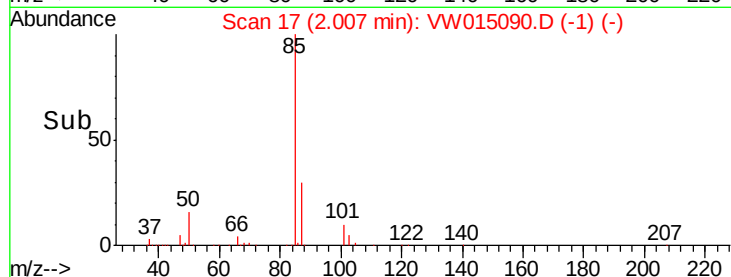
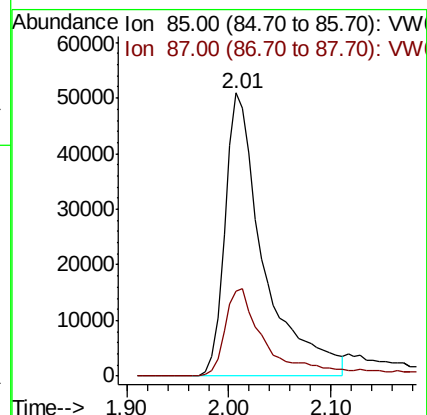
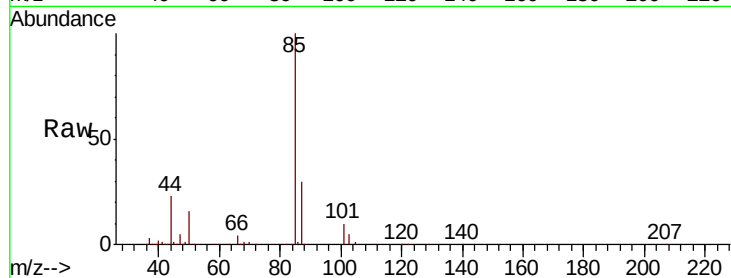
ClientSampleId :

Tot Ion: 85 Resp: 134938

Ion Ratio Lower Upper

85 100

87 32.1 22.0 41.0



#3

Chloromethane

Concen: 18.124 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015090.D

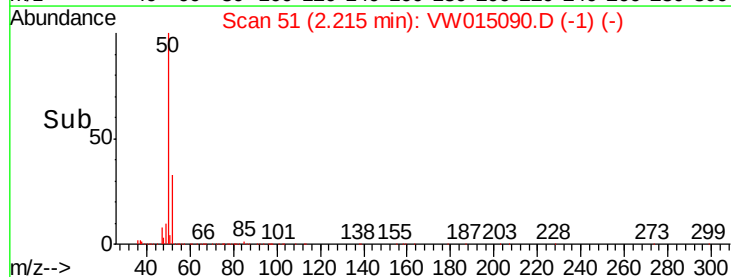
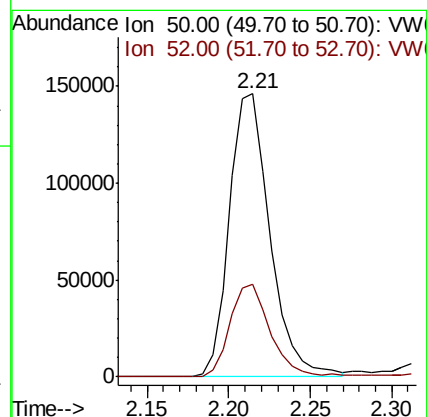
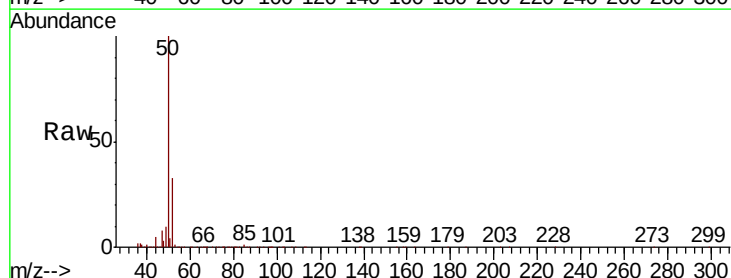
Acq: 02 Mar 2020 16:33

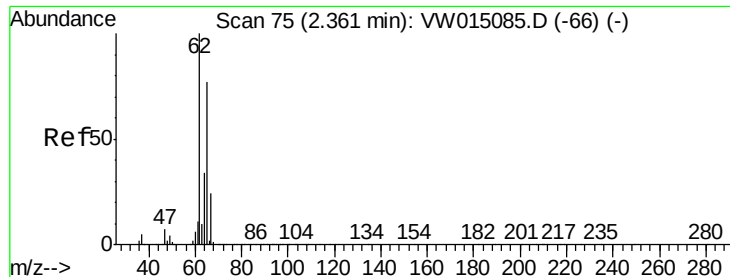
Tgt Ion: 50 Resp: 251773

Ion Ratio Lower Upper

50 100

52 32.7 22.3 41.5





#5

Vinyl chloride

Concen: 19.449 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

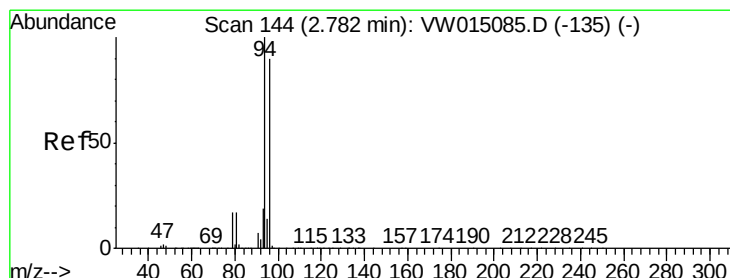
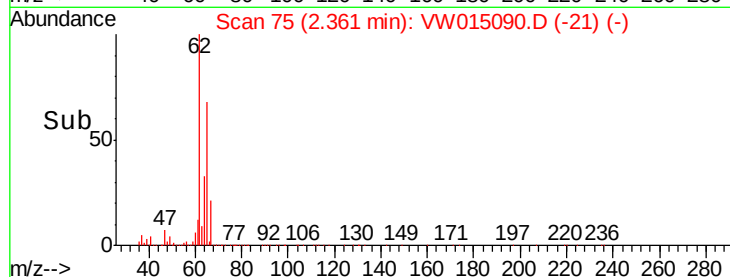
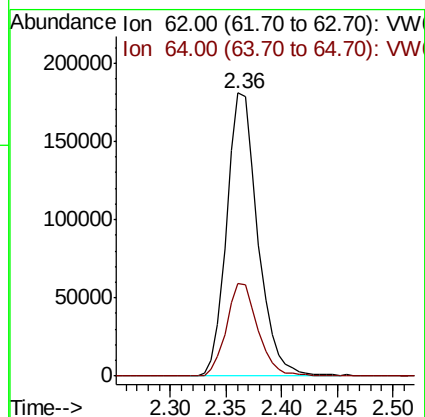
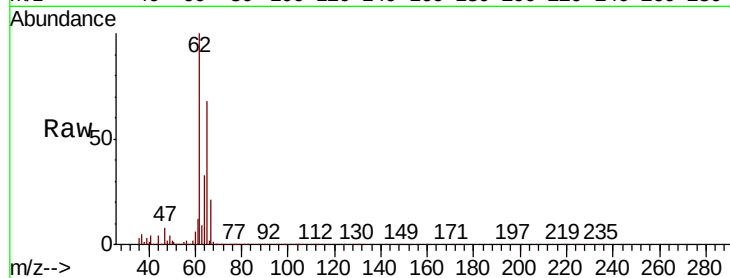
ClientSampled :

Tot Ion: 62 Resp: 349577

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 21.298 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015090.D

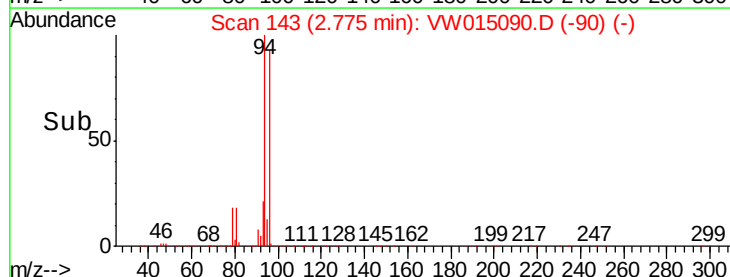
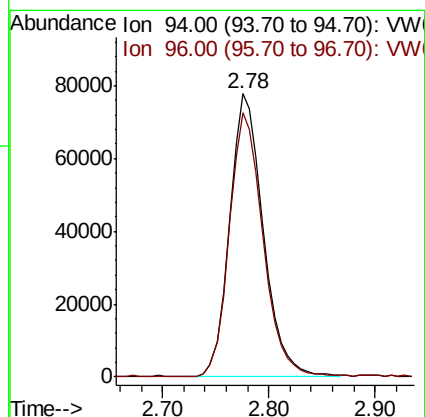
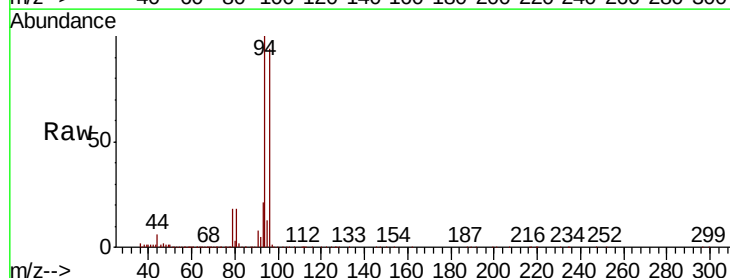
Acq: 02 Mar 2020 16:33

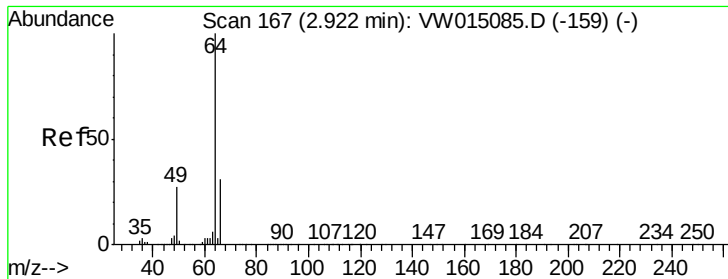
Tgt Ion: 94 Resp: 171851

Ion Ratio Lower Upper

94 100

96 93.4 9.5 179.7





#8

Chloroethane

Concen: 21.133 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

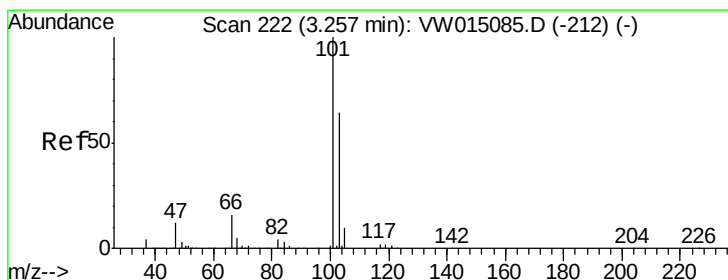
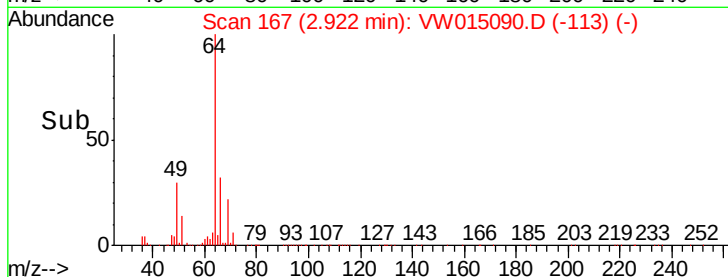
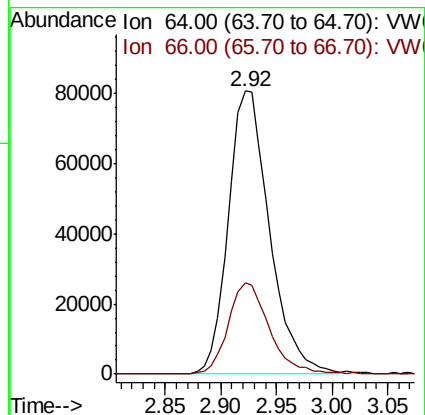
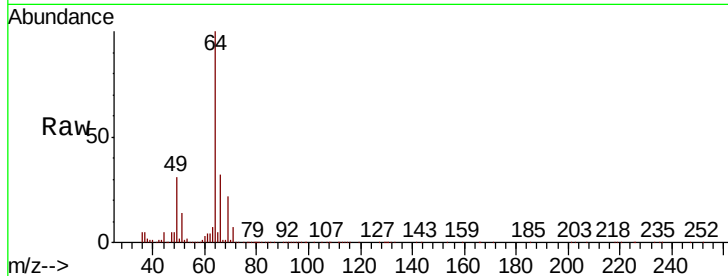
ClientSampled :

Tot Ion: 64 Resp: 206679

Ion Ratio Lower Upper

64 100

66 32.4 21.2 39.4



#9

Trichlorofluoromethane

Concen: 21.840 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015090.D

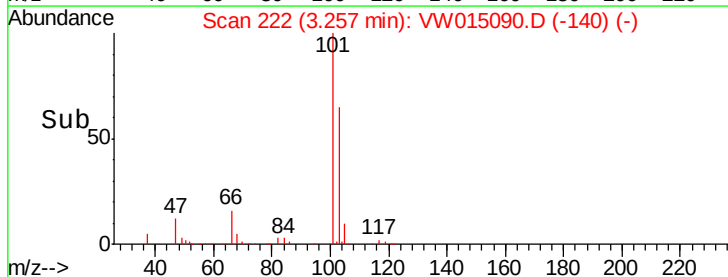
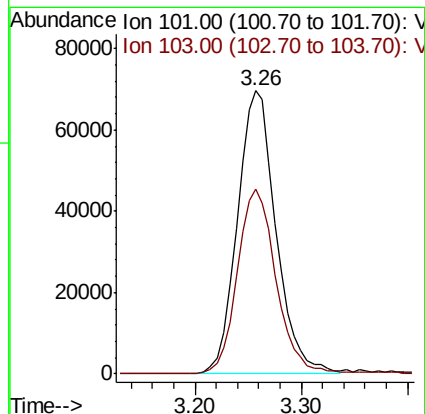
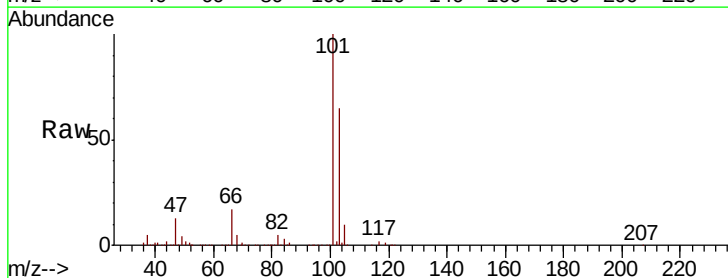
Acq: 02 Mar 2020 16:33

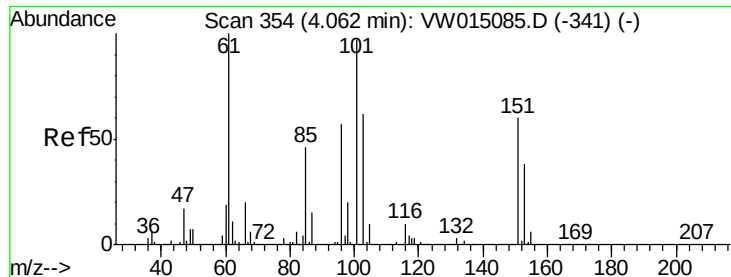
Tgt Ion: 101 Resp: 176910

Ion Ratio Lower Upper

101 100

103 65.6 44.9 83.5





#11

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

Concen: 23.899 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

ClientSampled :

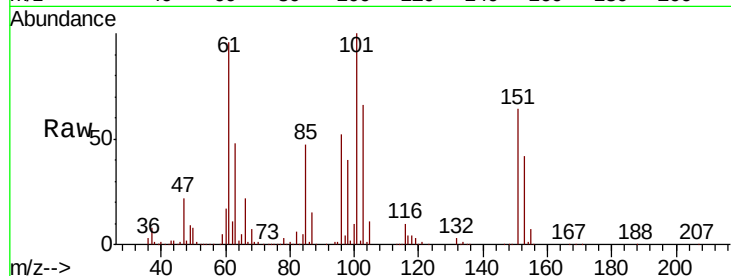
Tot Ion:101 Resp: 266622

Ion Ratio Lower Upper

101 100

85 47.4 37.8 56.8

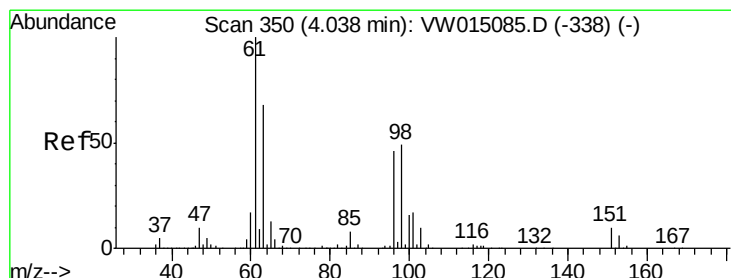
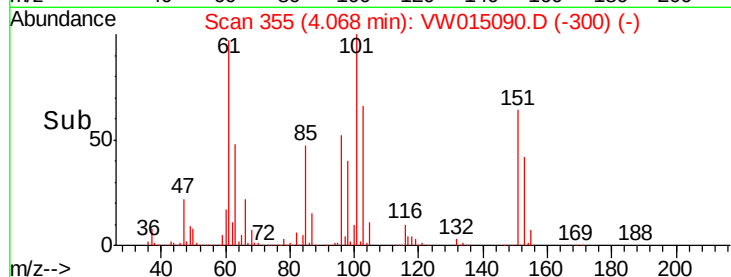
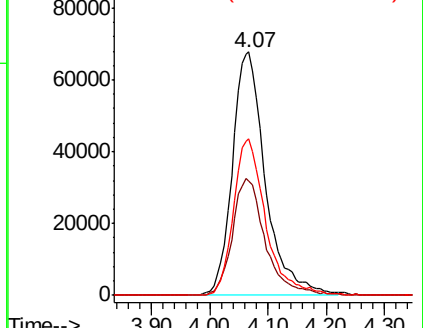
151 63.0 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.464 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

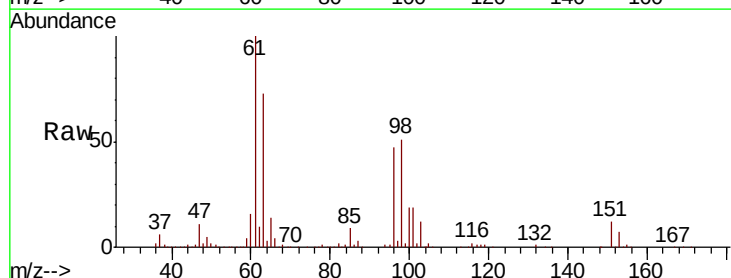
Tgt Ion: 96 Resp: 249224

Ion Ratio Lower Upper

96 100

61 212.7 138.5 257.1

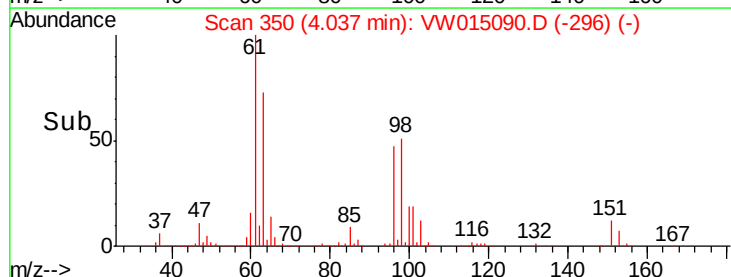
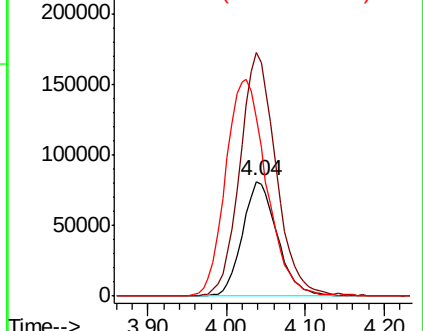
63 155.9 93.4 173.6

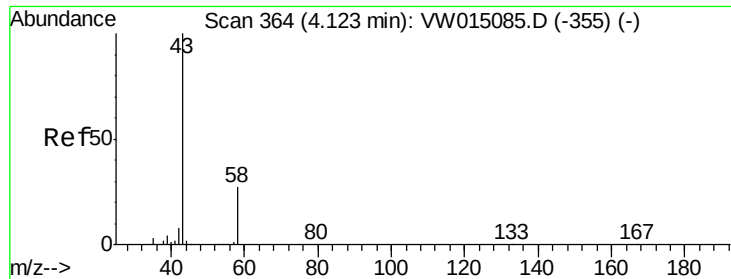


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.501 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

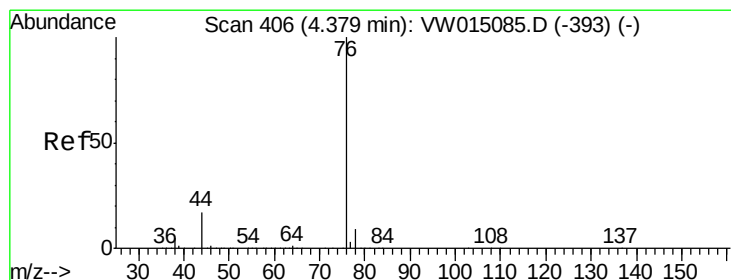
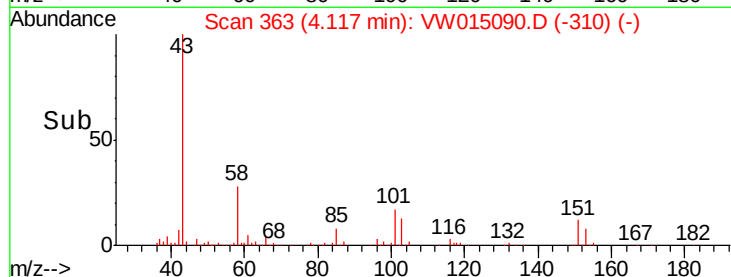
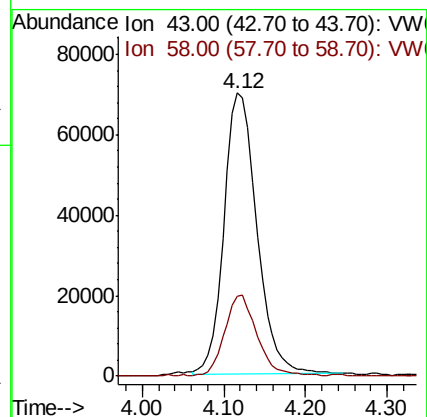
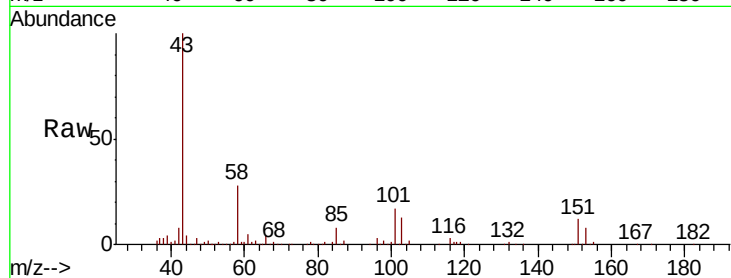
ClientSampleId :

Tot Ion: 43 Resp: 194922

Ion Ratio Lower Upper

43 100

58 28.3 0.0 54.0



#14

Carbon disulfide

Concen: 21.927 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015090.D

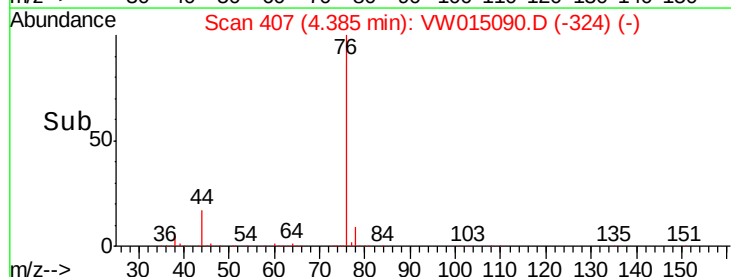
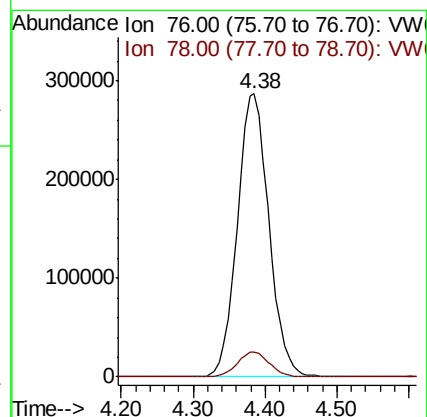
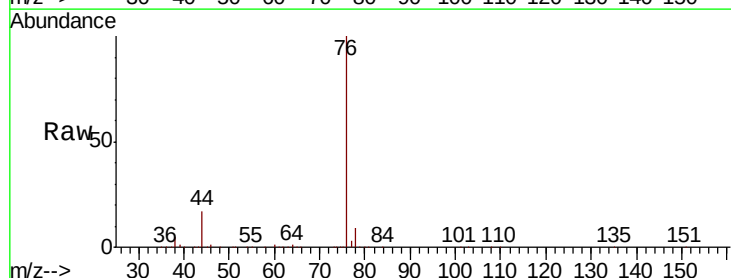
Acq: 02 Mar 2020 16:33

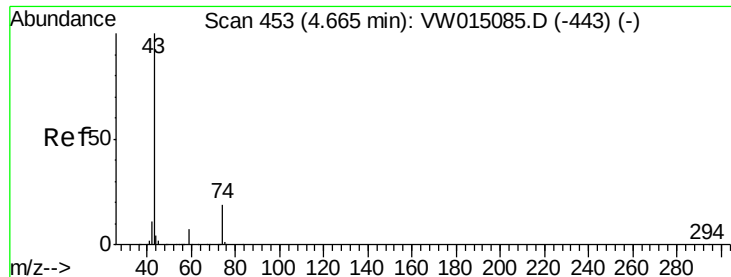
Tgt Ion: 76 Resp: 871529

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8





#15

Methvl Acetate

Concen: 30.916 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

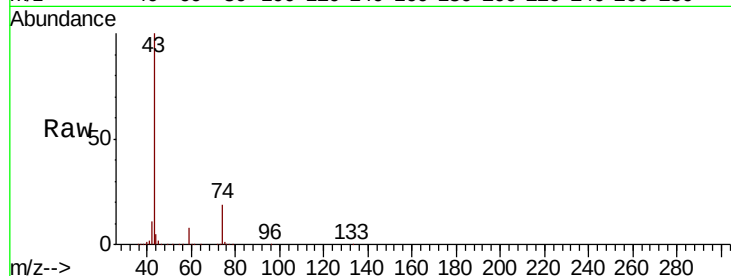
ClientSampleId :

Tot Ion: 43 Resp: 182826

Ion Ratio Lower Upper

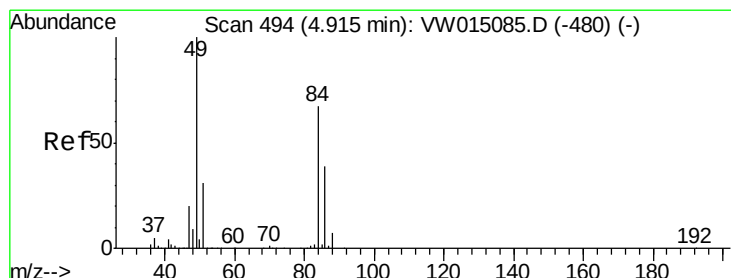
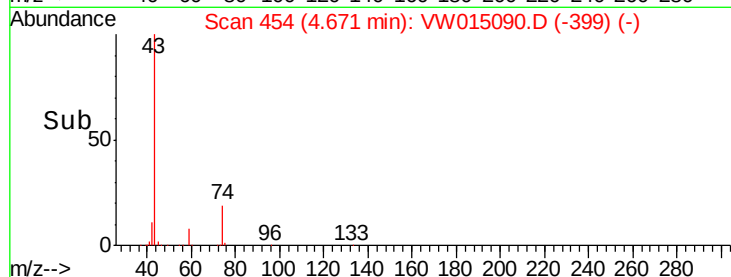
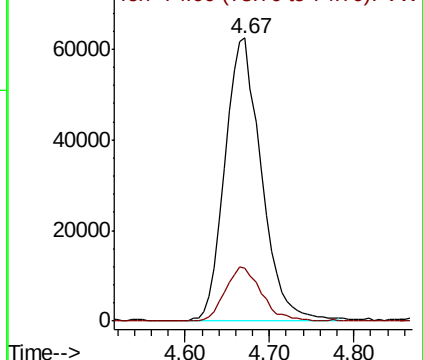
43 100

74 18.4 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.257 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

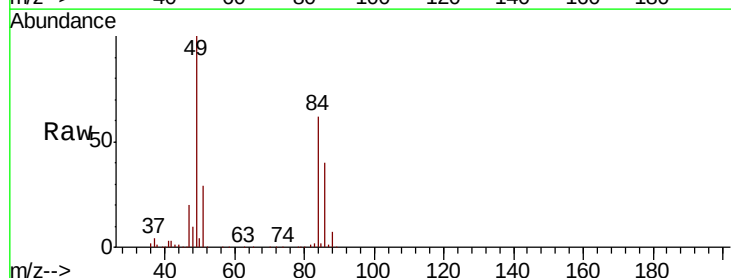
Tgt Ion: 84 Resp: 318875

Ion Ratio Lower Upper

84 100

49 161.1 115.6 214.8

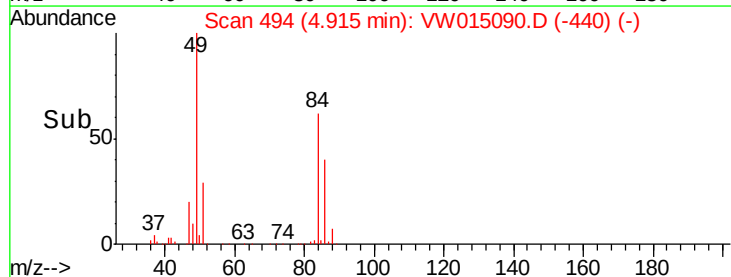
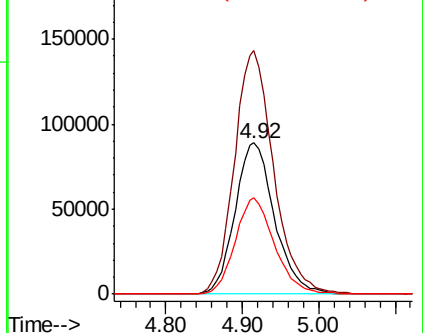
86 63.9 45.9 85.3

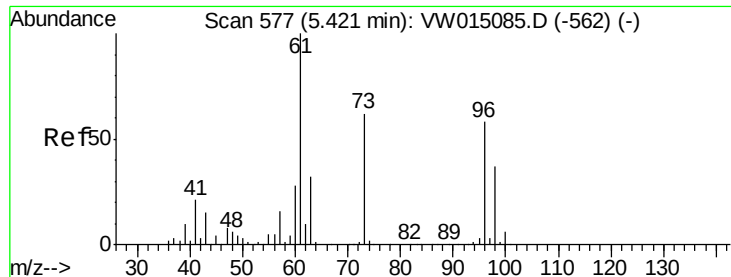


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

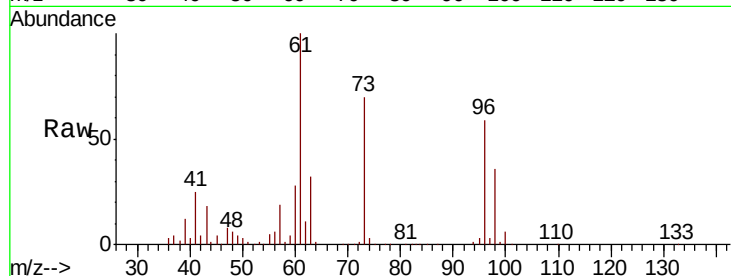




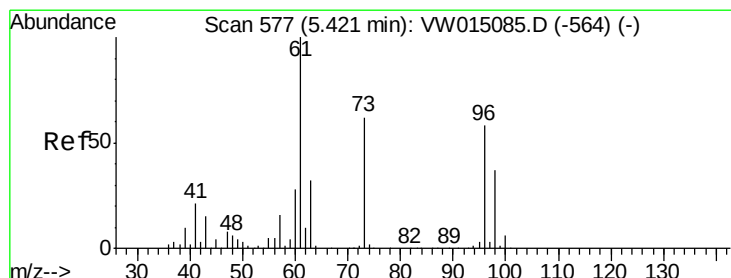
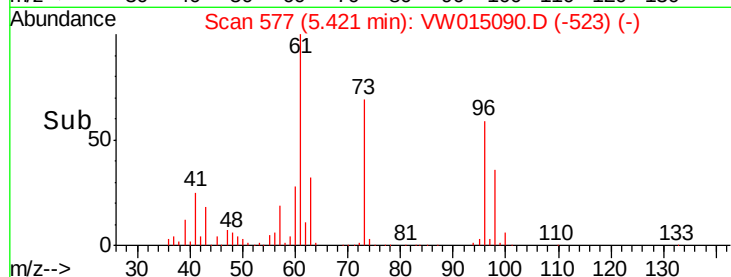
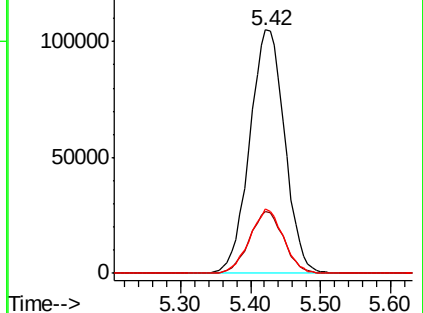
#17
Methyl tert-butyl Ether
Concen: 28.341 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 364360
Ion Ratio Lower Upper
73 100
43 24.8 19.7 29.5
57 25.4 20.4 30.6

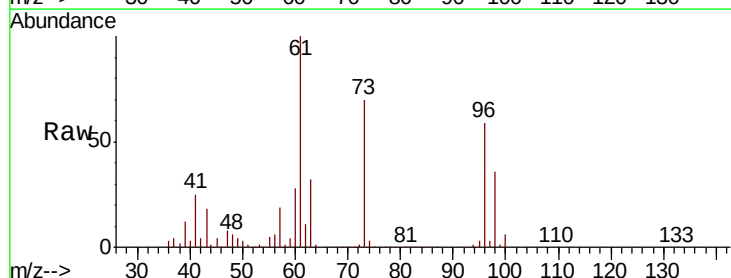


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

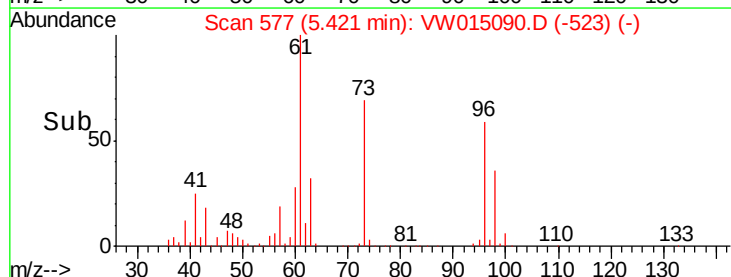
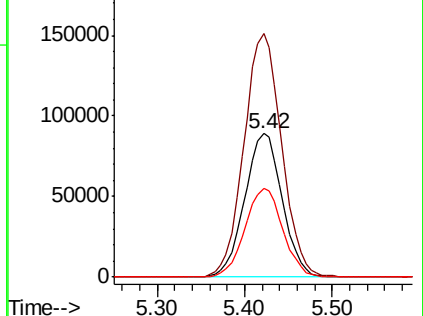


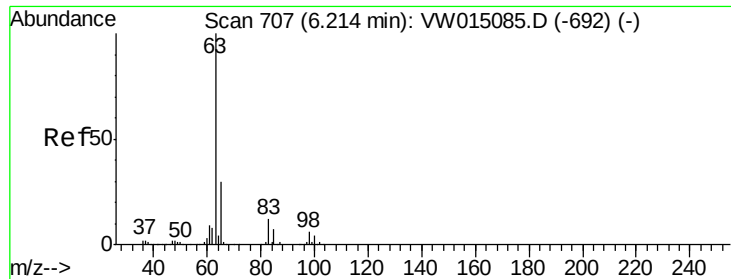
#18
trans-1,2-Dichloroethene
Concen: 24.127 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion: 96 Resp: 264759
Ion Ratio Lower Upper
96 100
61 169.4 115.1 213.8
98 61.3 44.0 81.6



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

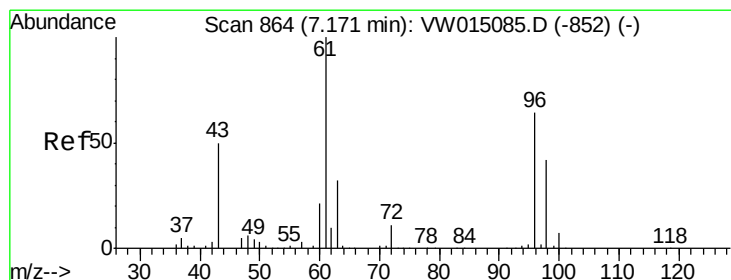
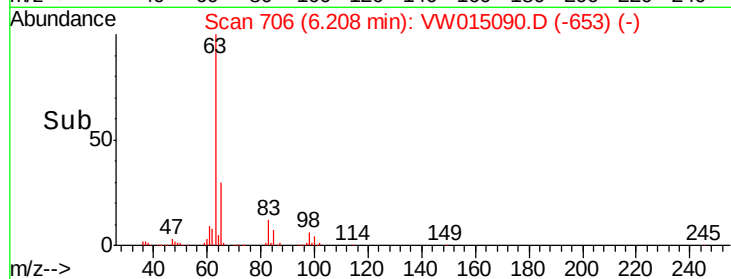
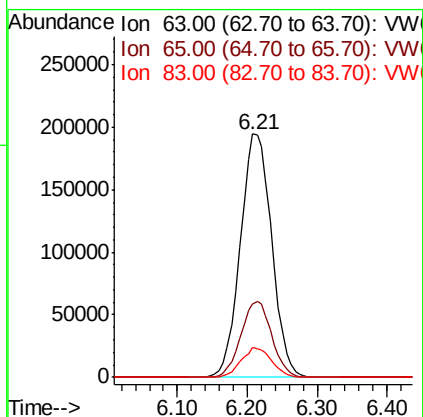
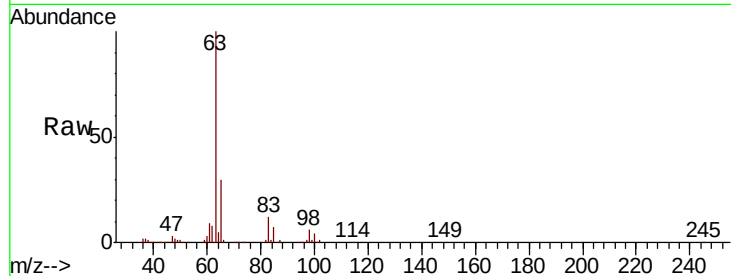




#19
 1,1-Dichloroethane
 Concen: 24.679 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

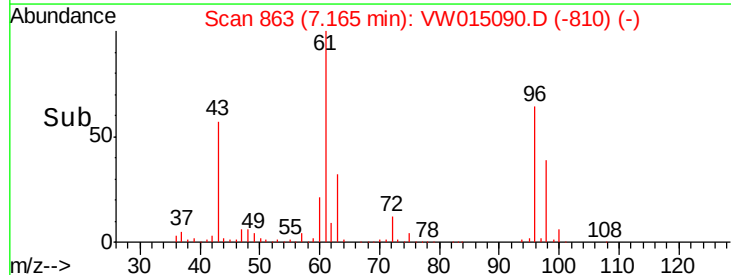
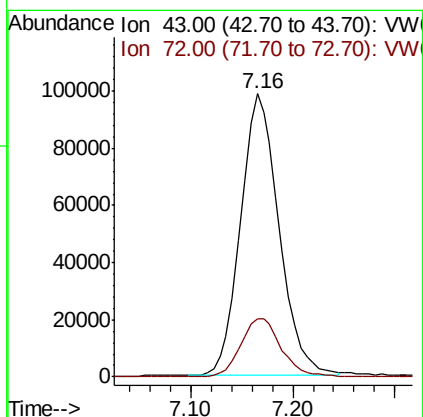
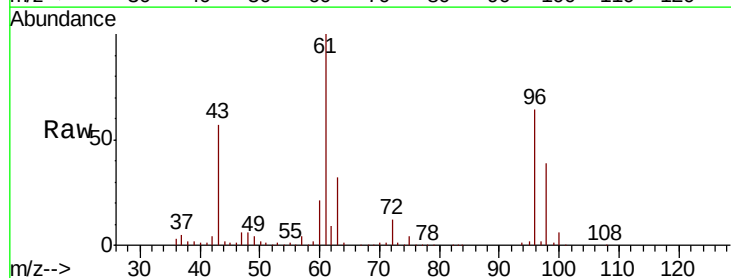
Instrument :
 MSVOA_W
 ClientSampled :

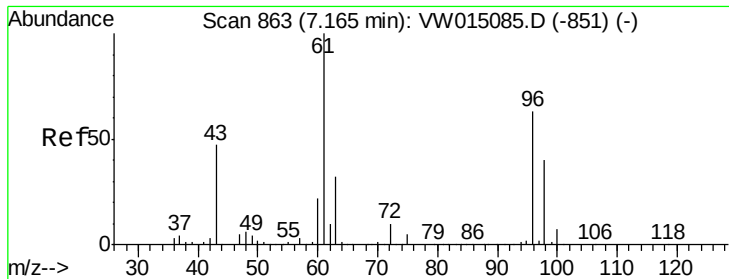
Tot Ion: 63 Resp: 604027
 Ion Ratio Lower Upper
 63 100
 65 30.1 21.9 40.7
 83 12.4 7.8 14.6



#21
 2-Butanone
 Concen: 62.534 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

Tgt Ion: 43 Resp: 258256
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.4 31.4



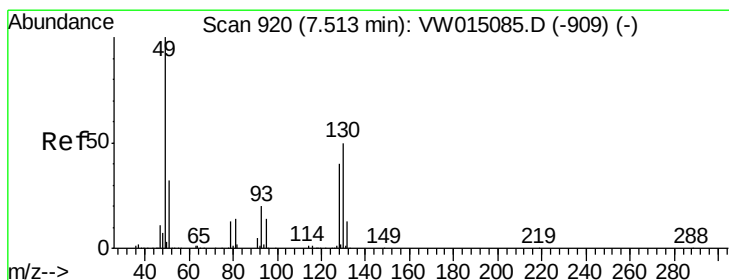
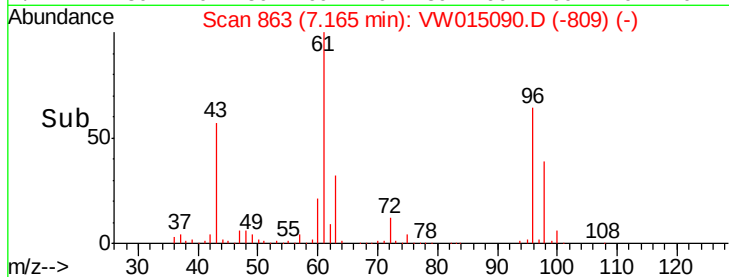
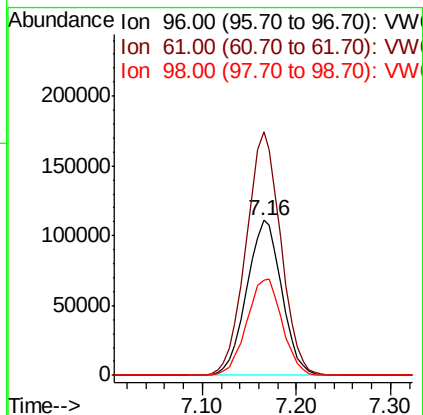
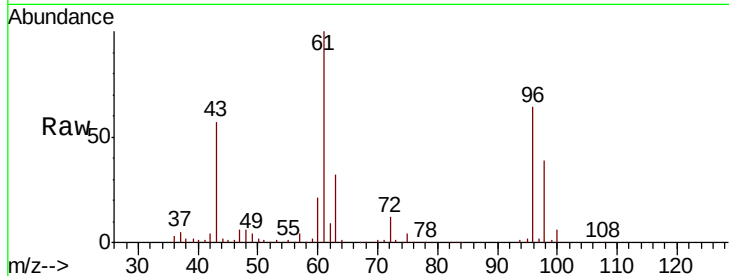


#22

cis-1,2-Dichloroethene
Concen: 25.896 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Instrument :
MSVOA_W
ClientSampled :

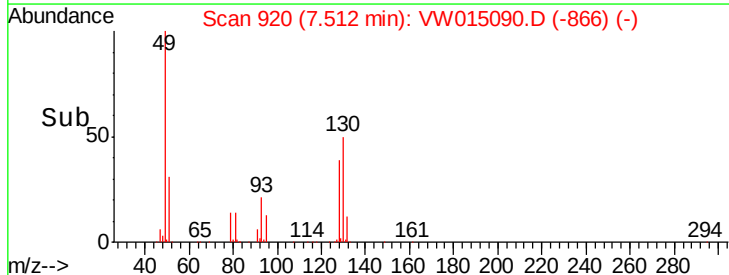
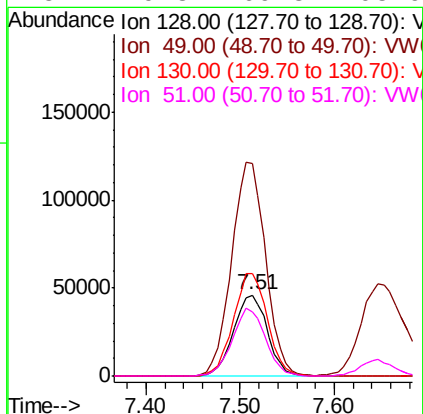
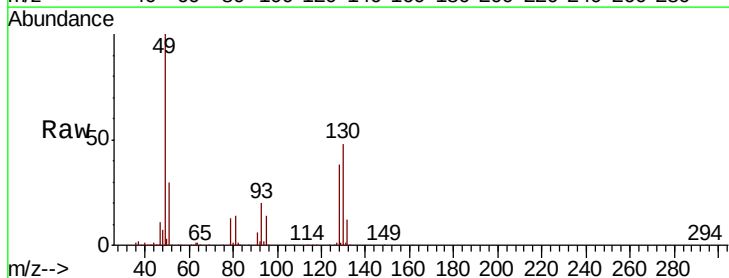
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.2	105.2	195.4
98	61.2	42.6	79.2

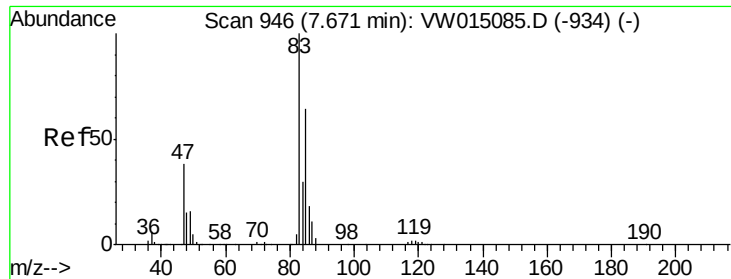


#23

Bromochloromethane
Concen: 26.473 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	262.9	192.7	357.9
130	126.9	92.7	172.1
51	79.8	69.3	103.9

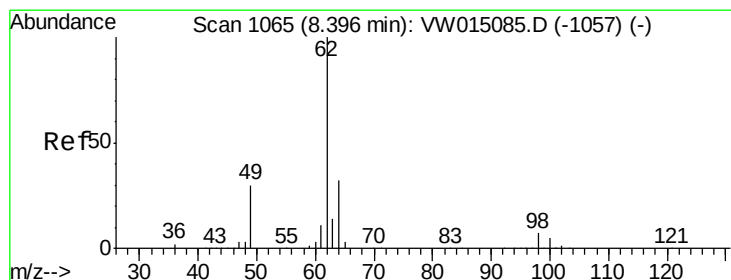
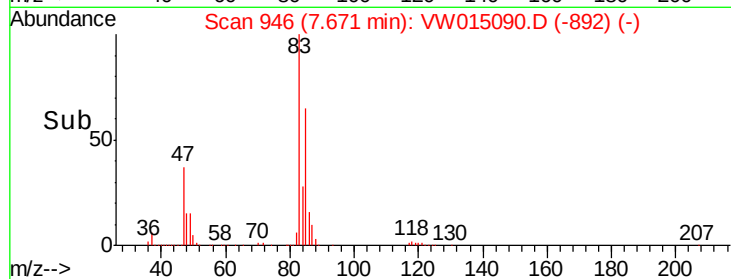
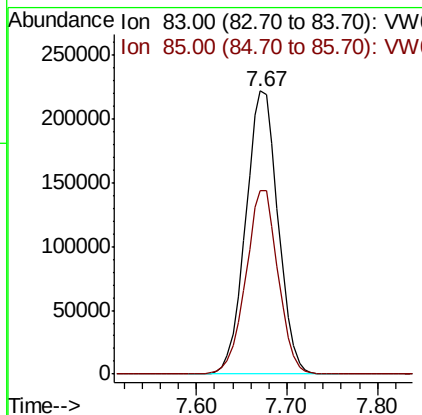
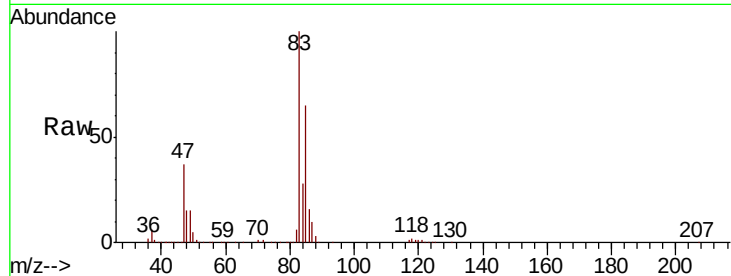




#25
Chloroform
Concen: 24.631 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

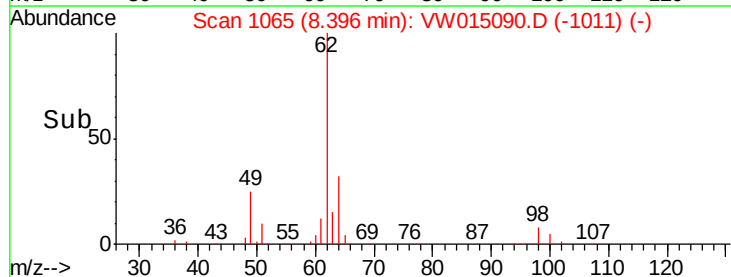
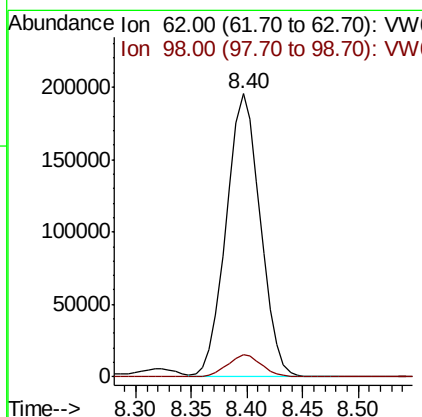
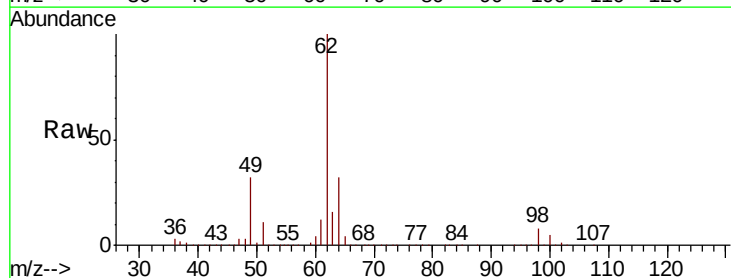
Instrument :
MSVOA_W
ClientSampled :

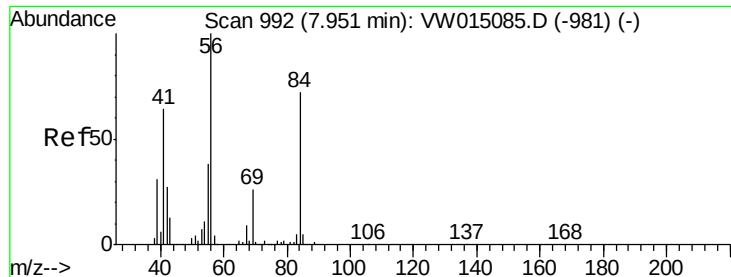
Tot Ion: 83 Resp: 547082
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 27.387 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion: 62 Resp: 416201
Ion Ratio Lower Upper
62 100
98 7.8 6.5 9.7

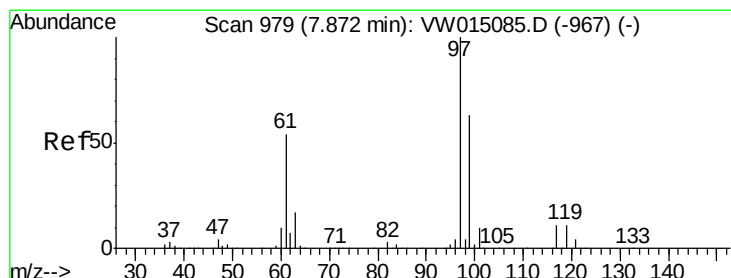
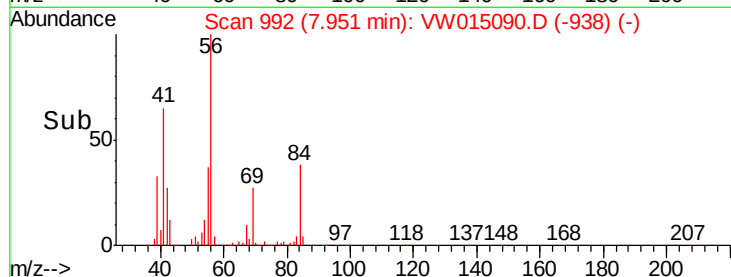
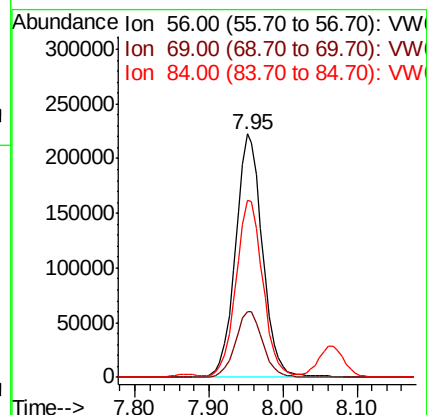
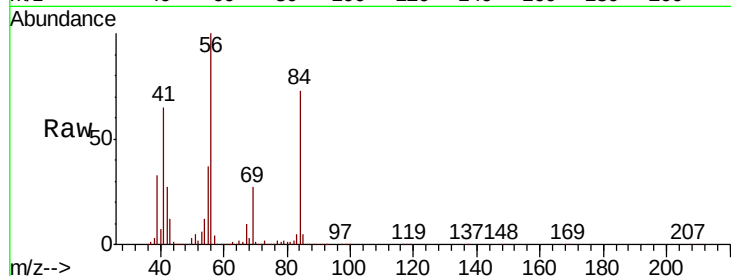




#30
Cyclohexane
Concen: 25.503 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

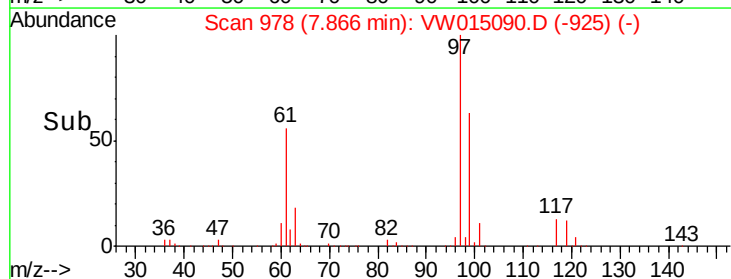
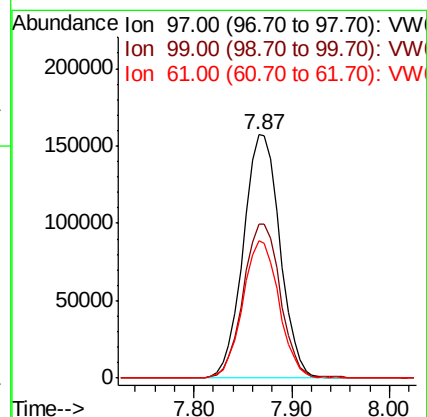
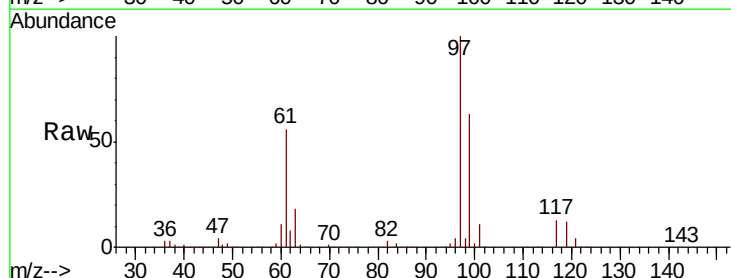
Instrument :
MSVOA_W
ClientSampleId :

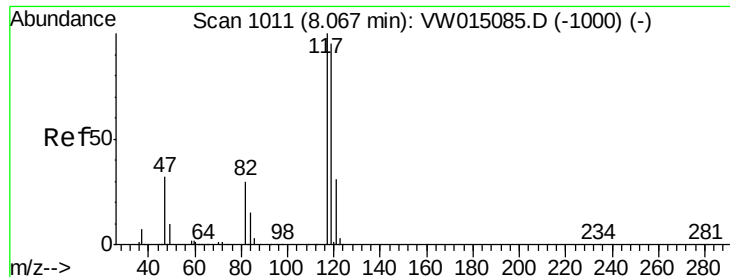
Tot Ion: 56 Resp: 565344
Ion Ratio Lower Upper
56 100
69 27.2 21.8 32.6
84 72.6 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 23.906 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion: 97 Resp: 408770
Ion Ratio Lower Upper
97 100
99 64.1 50.6 76.0
61 55.7 43.1 64.7





#32

Carbon tetrachloride

Concen: 23.694 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

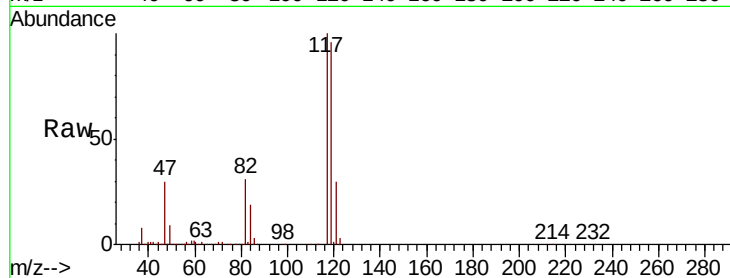
ClientSampleId :

Tot Ion:117 Resp: 363064

Ion Ratio Lower Upper

117 100

119 94.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

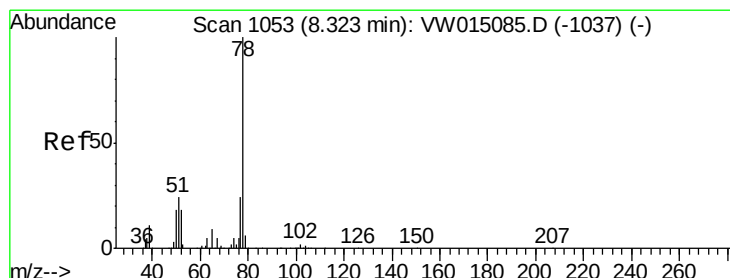
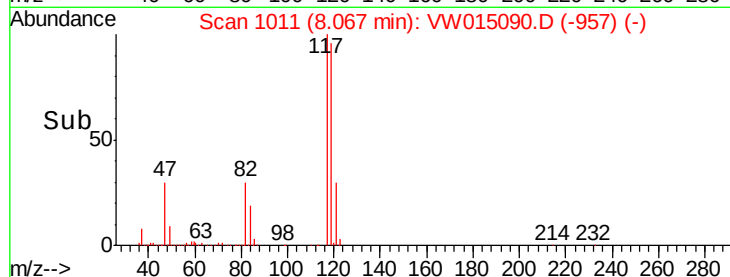
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.397 ug/L

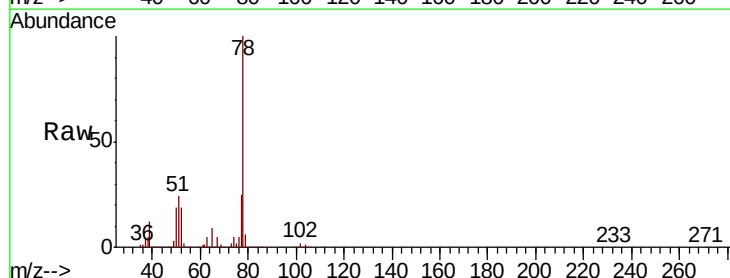
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Tgt Ion: 78 Resp: 1252612



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

300000

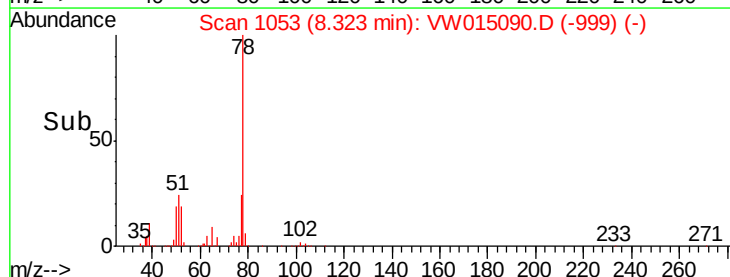
200000

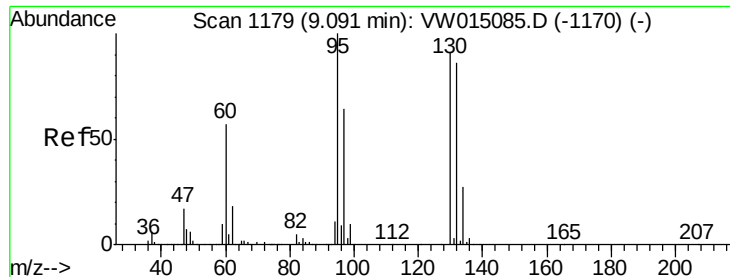
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.370 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 290751

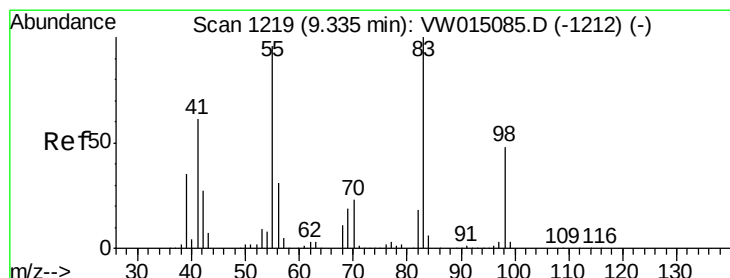
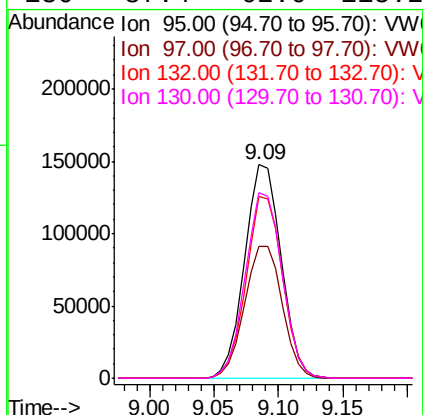
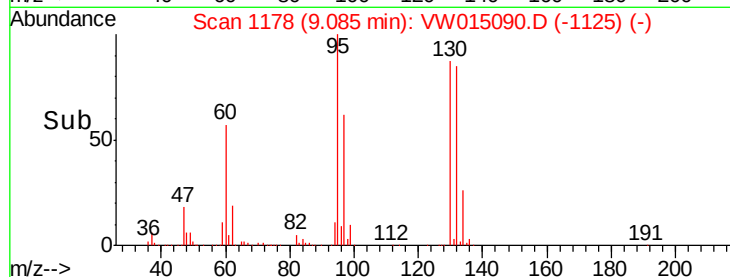
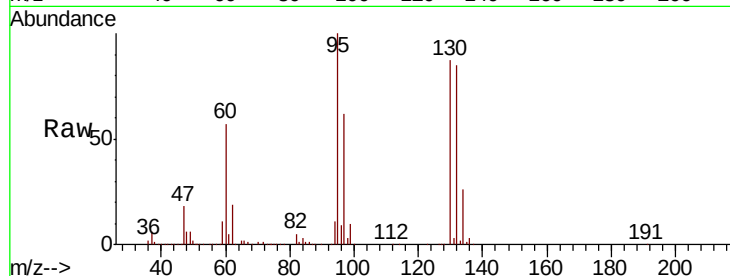
Ion Ratio Lower Upper

95 100

97 63.6 44.7 83.1

132 84.4 58.1 107.9

130 87.4 62.0 115.2



#36

Methylcyclohexane

Concen: 26.362 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

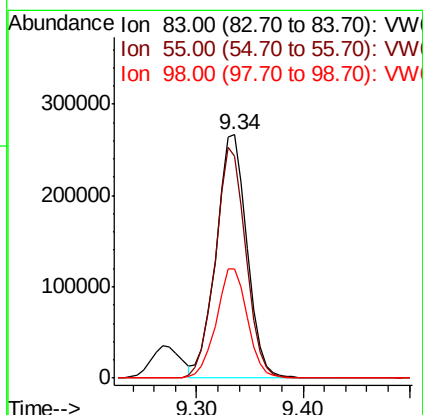
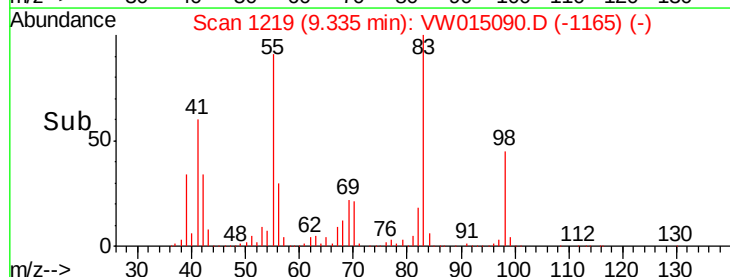
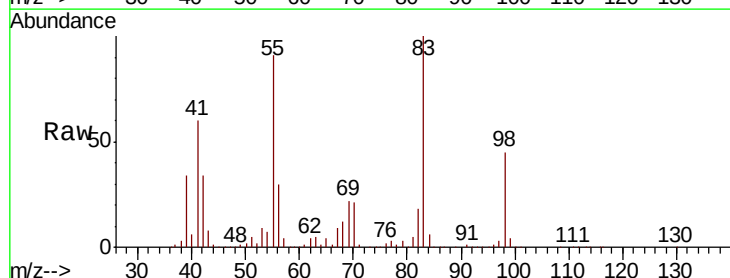
Tgt Ion: 83 Resp: 540063

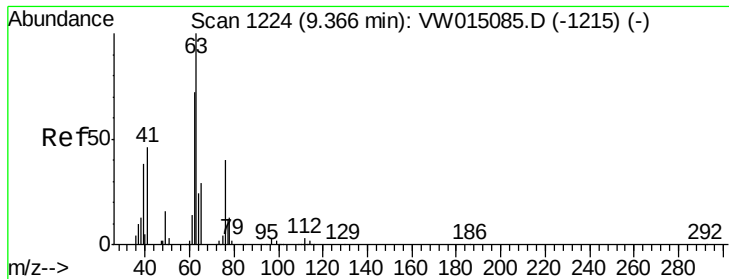
Ion Ratio Lower Upper

83 100

55 93.1 76.6 115.0

98 45.3 36.6 54.8

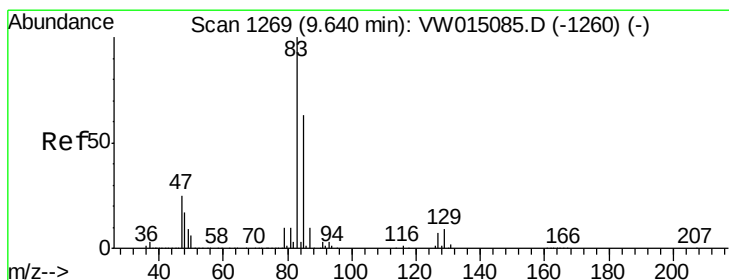
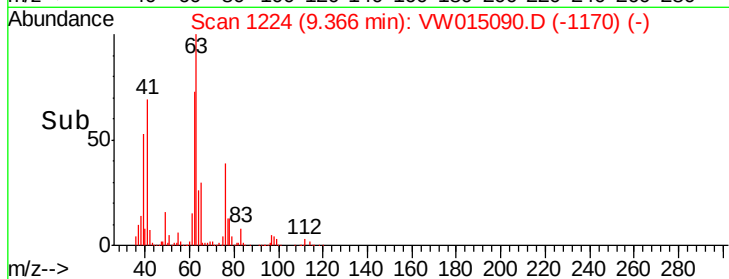
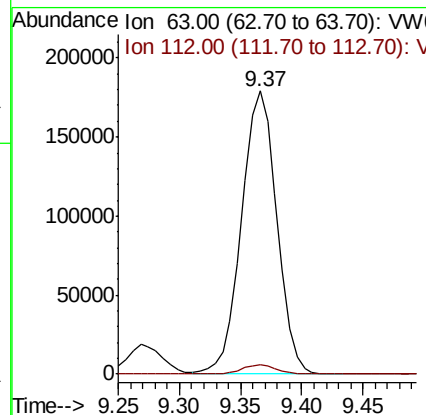
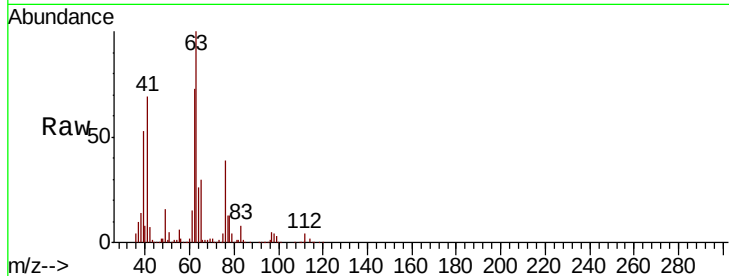




#40
 1,2-Dichloropropane
 Concen: 26.172 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

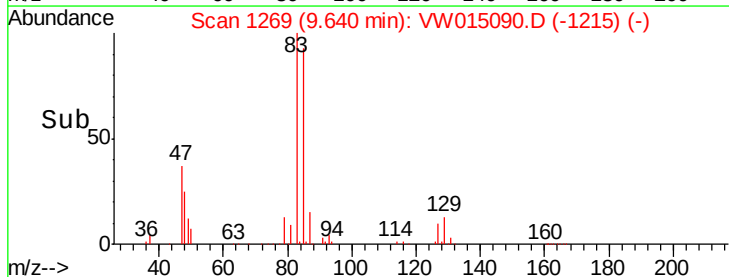
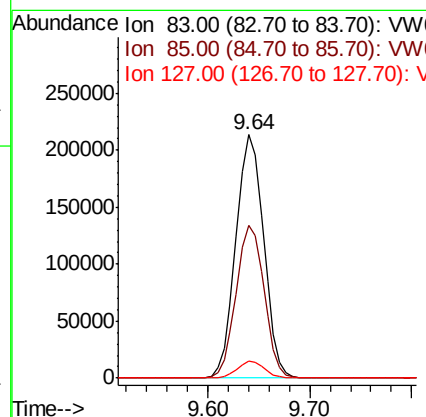
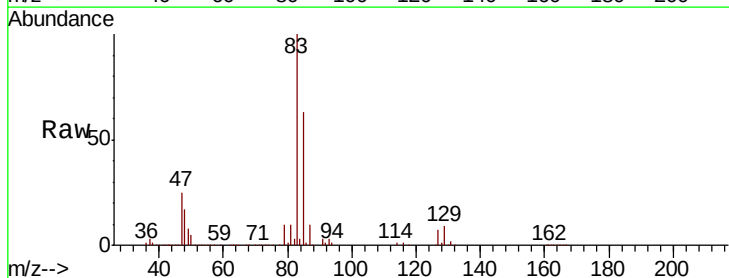
Instrument :
 MSVOA_W
 ClientSampleId :

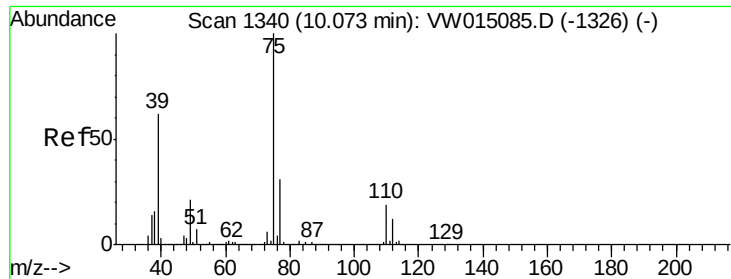
Tot Ion: 63 Resp: 358502
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.8 4.2



#41
 Bromodichloromethane
 Concen: 26.312 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

Tgt Ion: 83 Resp: 404289
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.7 83.1
 127 6.9 5.4 8.0

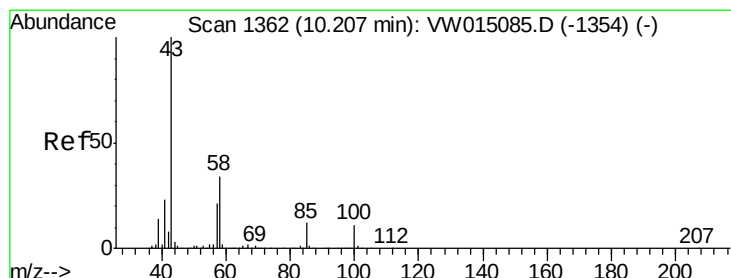
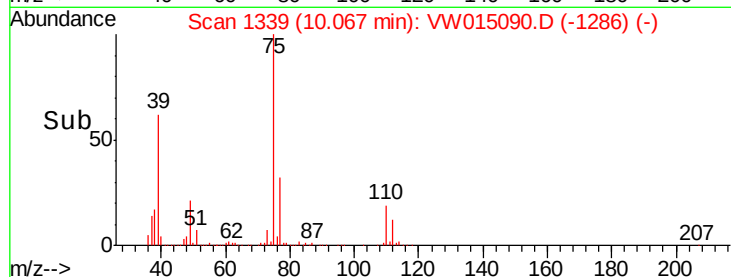
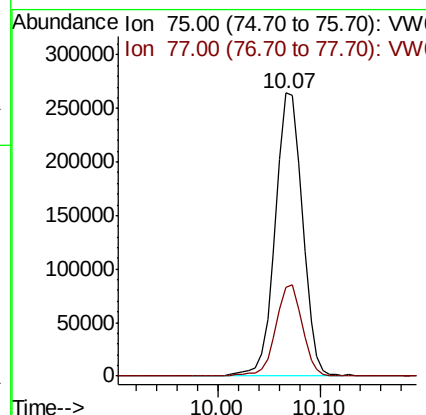
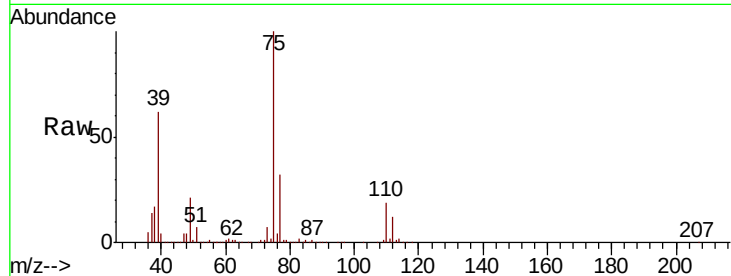




#42
 cis-1,3-Dichloropropene
 Concen: 27.334 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

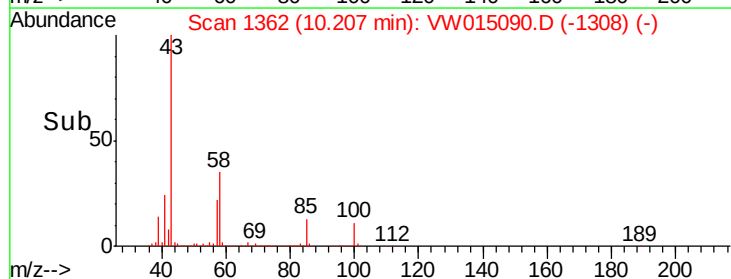
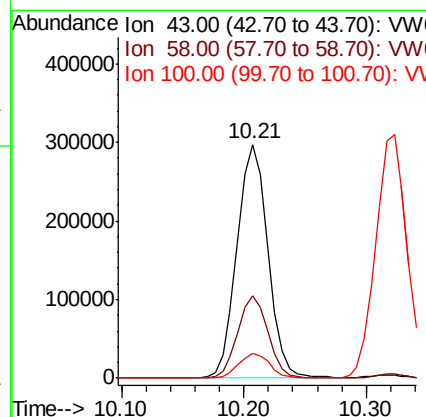
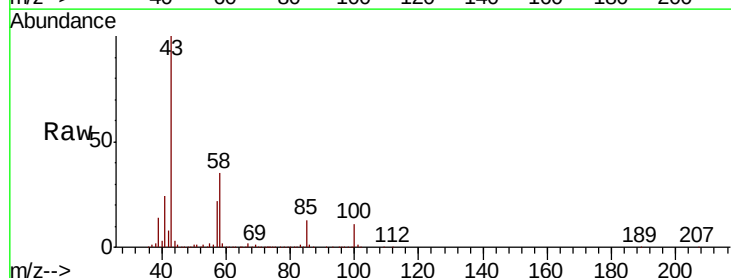
Instrument :
 MSVOA_W
 ClientSampled :

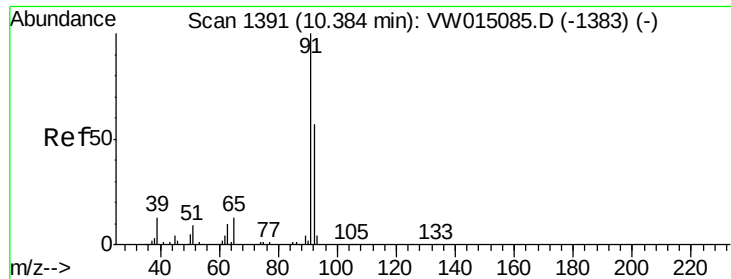
Tot Ion: 75 Resp: 487900
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.9 40.7



#43
 4-Methyl-2-pentanone
 Concen: 67.659 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

Tgt Ion: 43 Resp: 518369
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.6 41.4
 100 10.6 8.6 13.0





#44

Toluene

Concen: 26.604 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

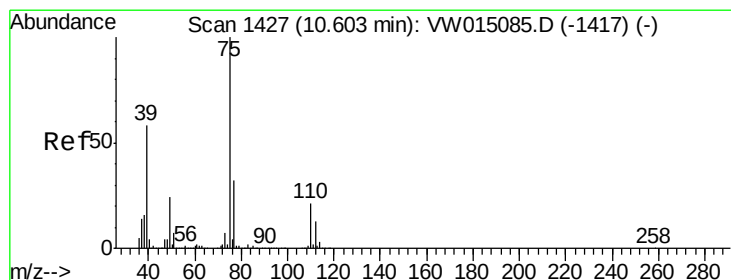
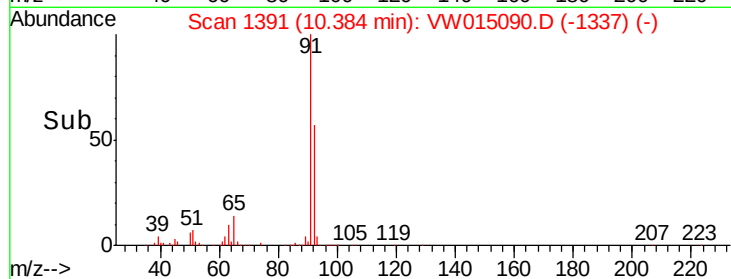
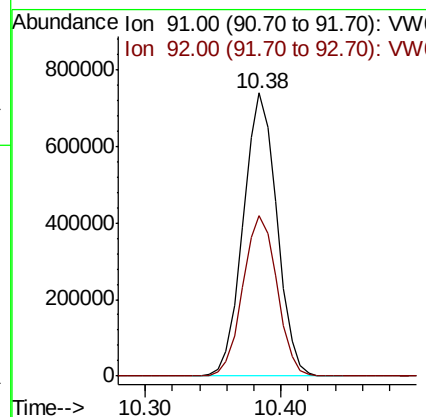
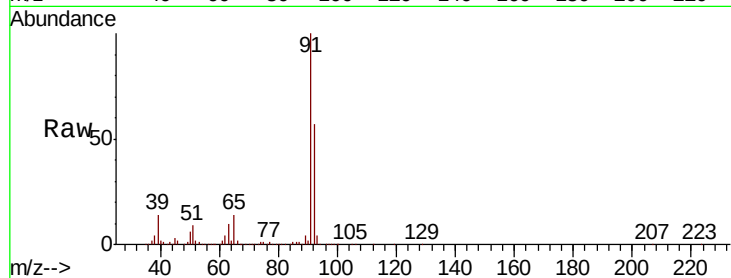
ClientSampleId :

Tot Ion: 91 Resp: 1274328

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 28.304 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015090.D

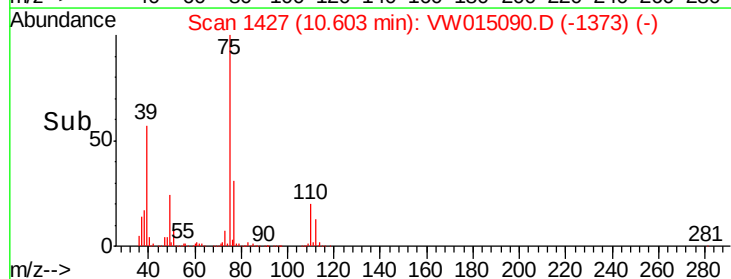
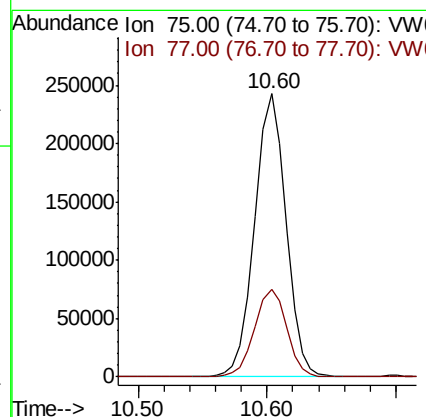
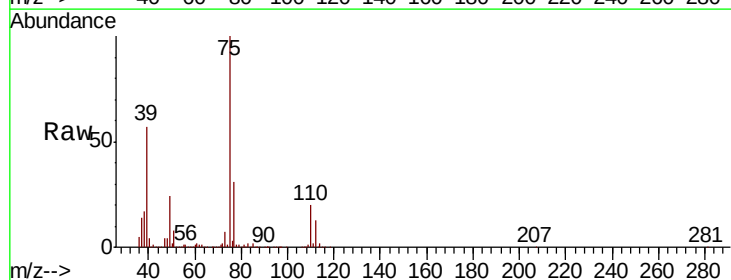
Acq: 02 Mar 2020 16:33

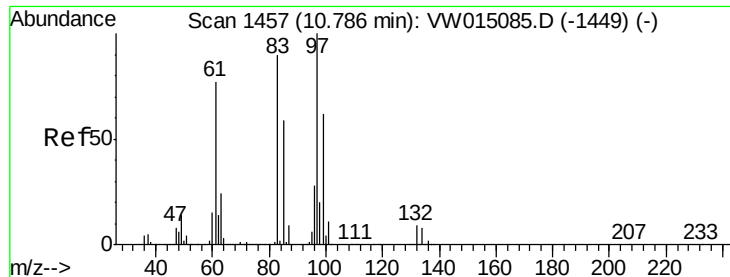
Tgt Ion: 75 Resp: 408331

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 28.490 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 219613

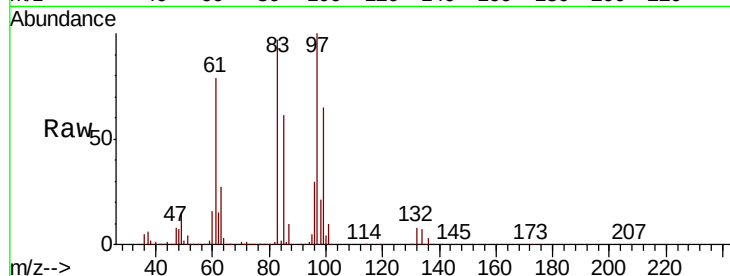
Ion	Ratio	Lower	Upper
97	100		
83	96.5	64.4	119.6
85	60.8	40.9	75.9
99	65.1	44.1	81.9

97 100

83 96.5 64.4 119.6

85 60.8 40.9 75.9

99 65.1 44.1 81.9



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.78

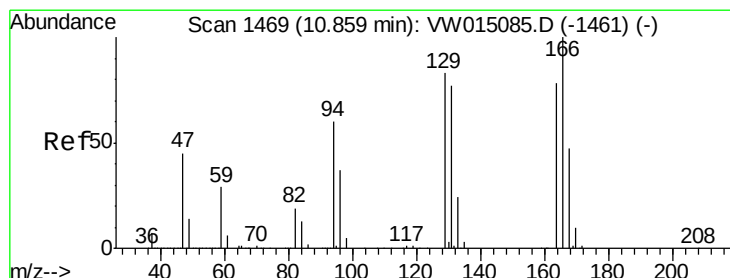
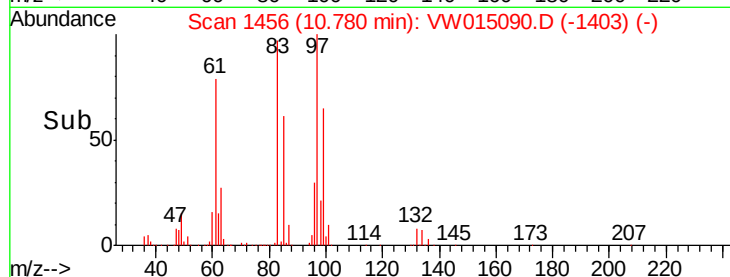
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 24.566 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Tgt Ion: 164 Resp: 188890

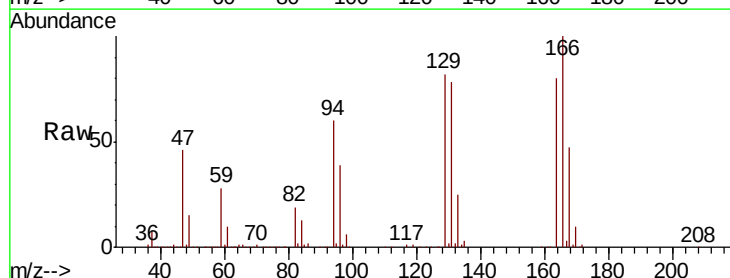
Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.7	133.1
131	97.2	70.1	130.3
166	125.4	91.3	169.6

164 100

129 102.4 71.7 133.1

131 97.2 70.1 130.3

166 125.4 91.3 169.6



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

200000

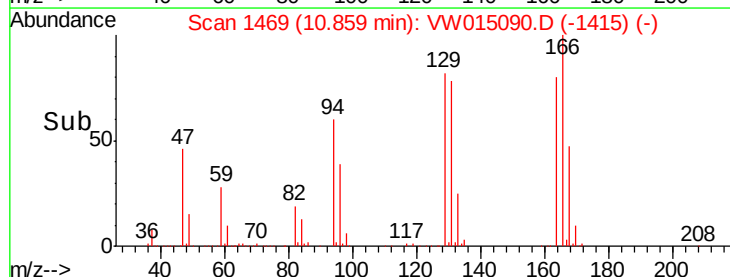
150000

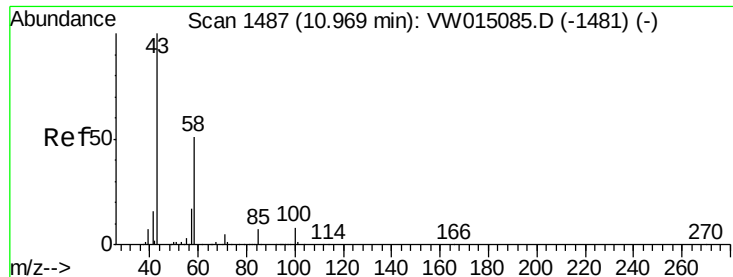
100000

50000

0

Time-->

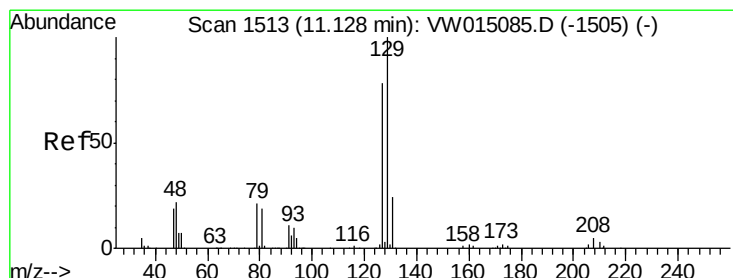
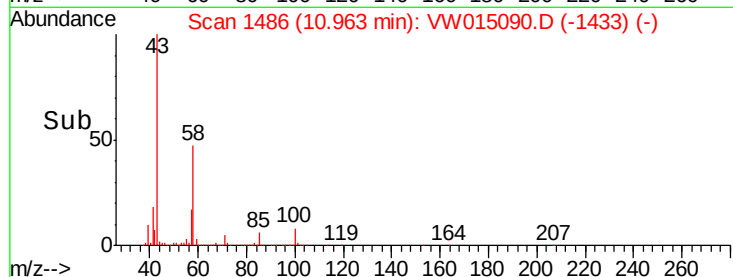
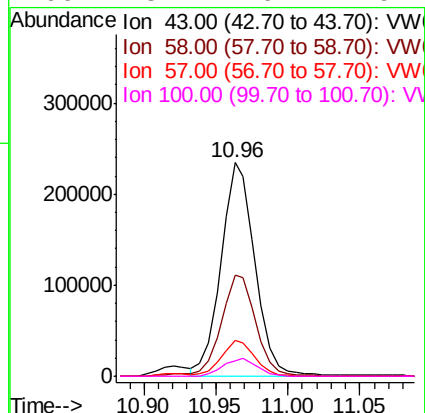
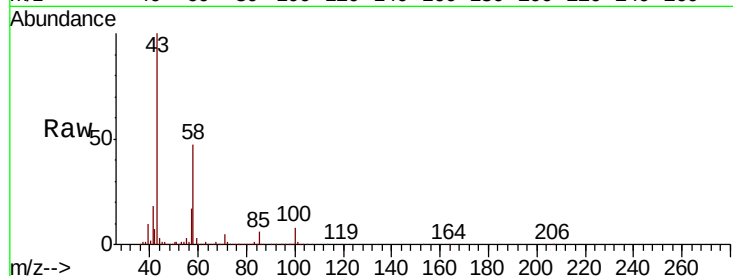




#49
2-Hexanone
Concen: 69.686 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

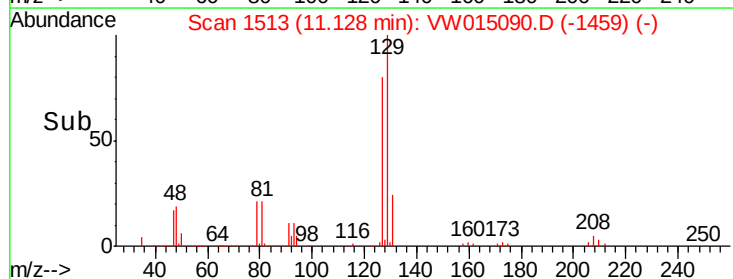
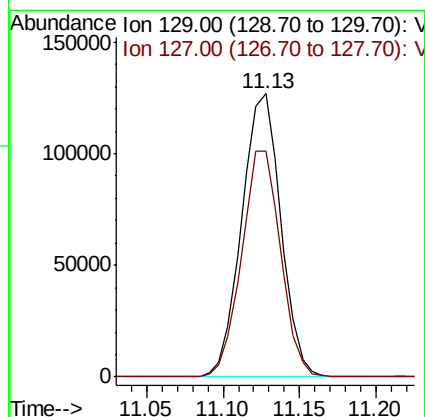
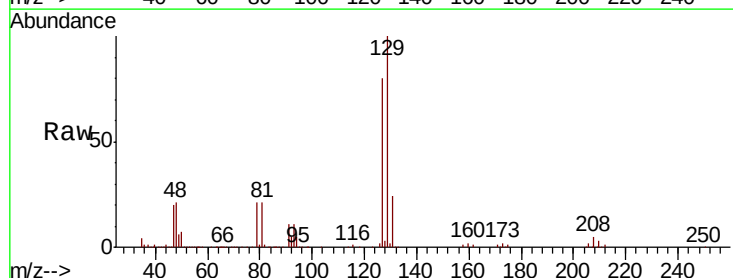
Instrument :
MSVOA_W
ClientSampleId :

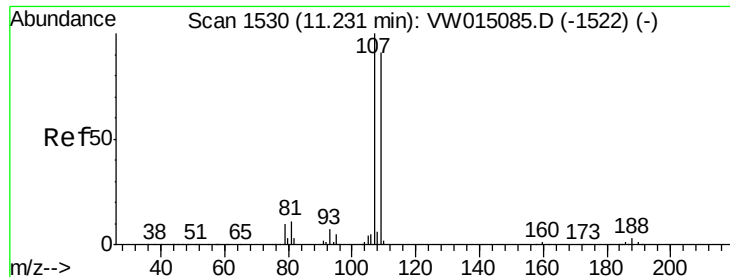
Tot Ion:	43	Resp:	387071
Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.9	58.3
57	16.6	13.4	20.2
100	8.4	6.7	10.1



#50
Dibromochloromethane
Concen: 27.509 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion:	129	Resp:	225670
Ion	Ratio	Lower	Upper
129	100		
127	79.8	56.4	104.7

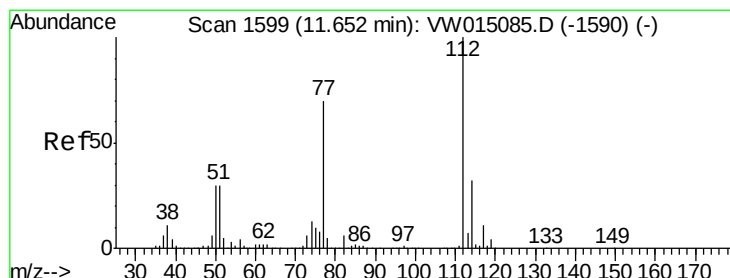
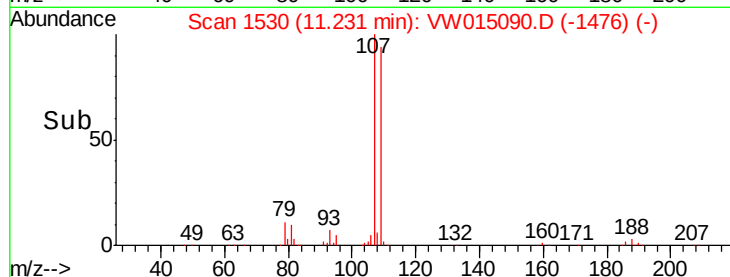
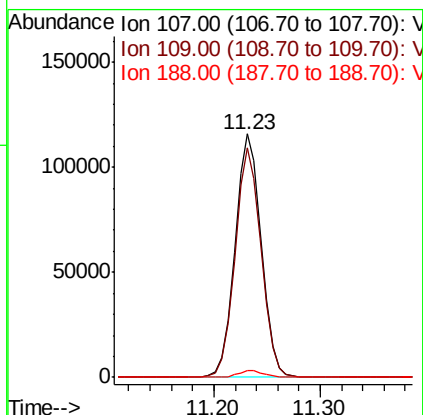
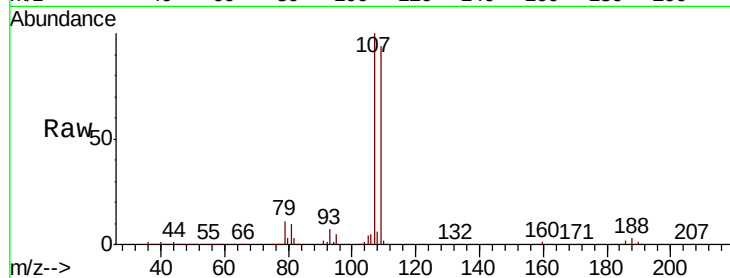




#51
1,2-Dibromoethane
Concen: 29.640 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

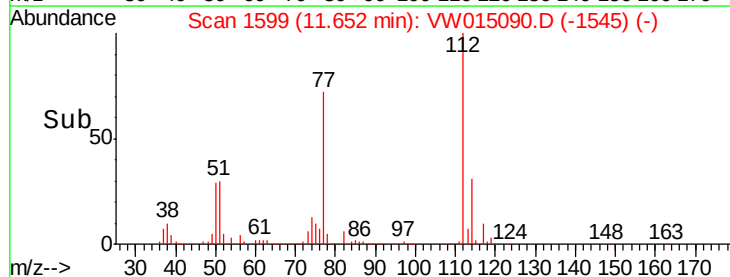
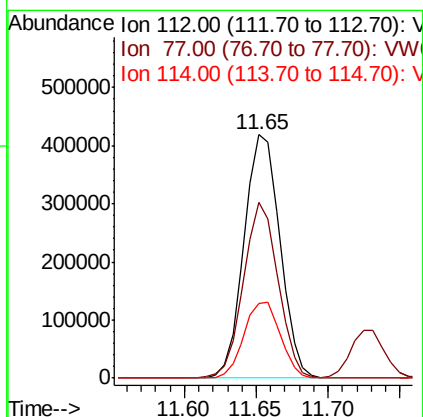
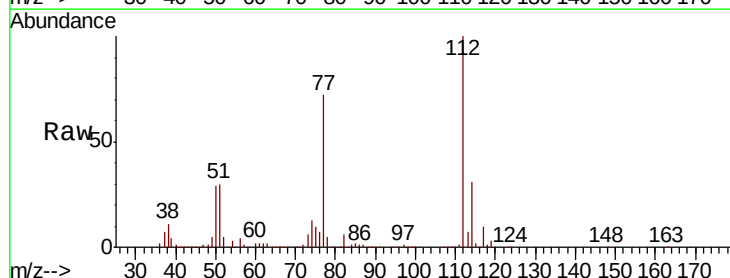
Instrument :
MSVOA_W
ClientSampleId :

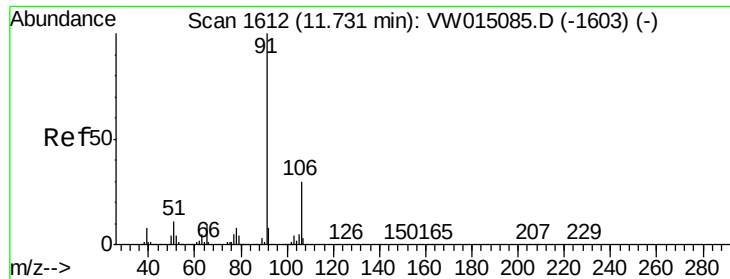
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	61.9	114.9
188	2.8	2.5	3.7



#52
Chlorobenzene
Concen: 25.631 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
77	72.1	57.0	85.6
114	30.7	22.5	41.9

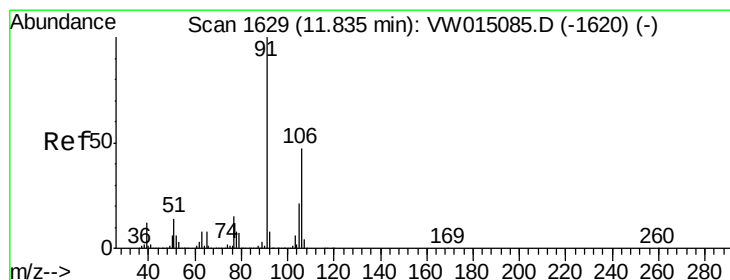
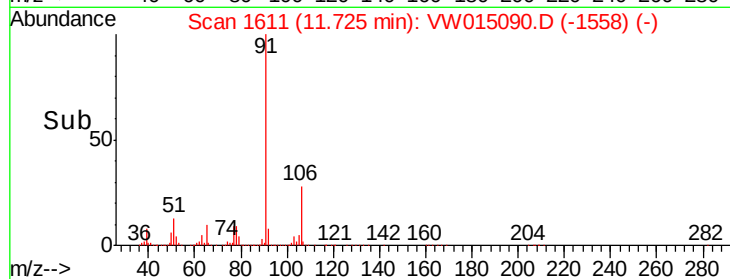
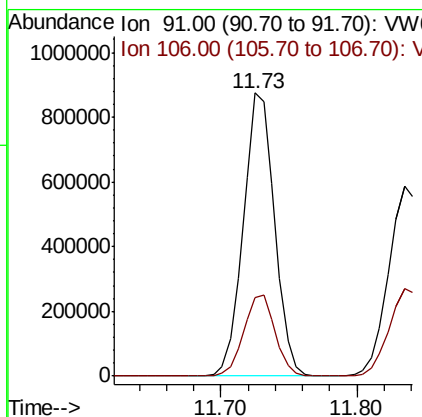
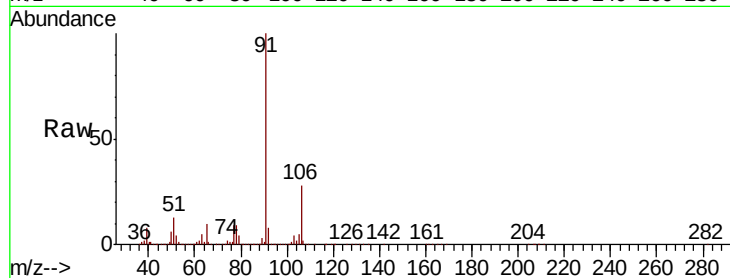




#53
Ethylbenzene
Concen: 26.844 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

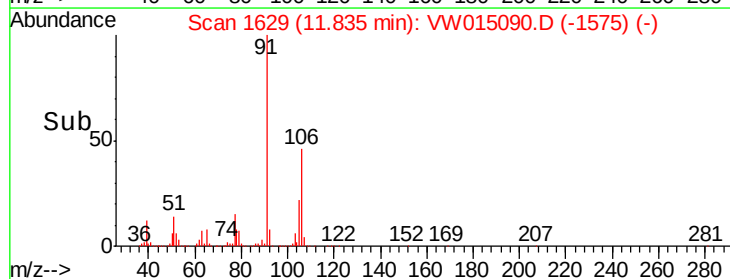
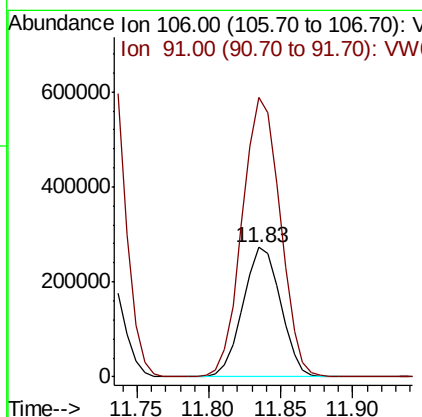
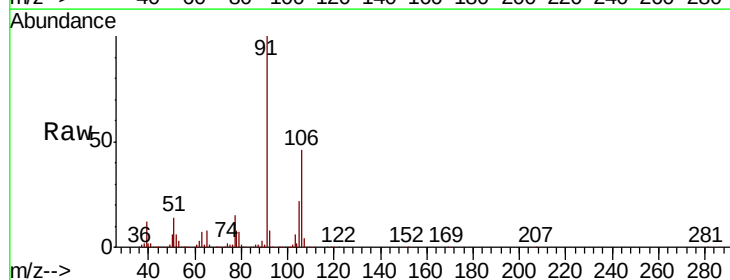
Instrument :
MSVOA_W
ClientSampled :

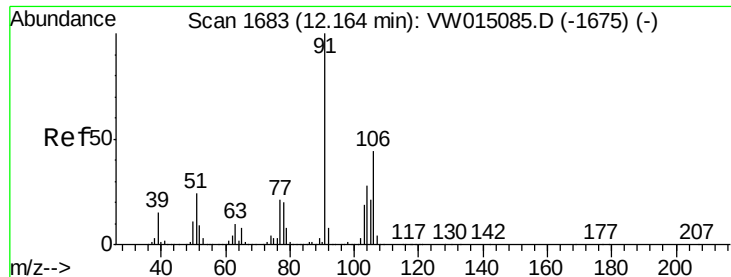
Tot Ion: 91 Resp: 1404653
Ion Ratio Lower Upper
91 100
106 28.0 20.1 37.3



#54
m,p-Xylene
Concen: 27.077 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015090.D
Acq: 02 Mar 2020 16:33

Tgt Ion: 106 Resp: 495715
Ion Ratio Lower Upper
106 100
91 215.7 151.4 281.2





#55

o-xylene

Concen: 27.522 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

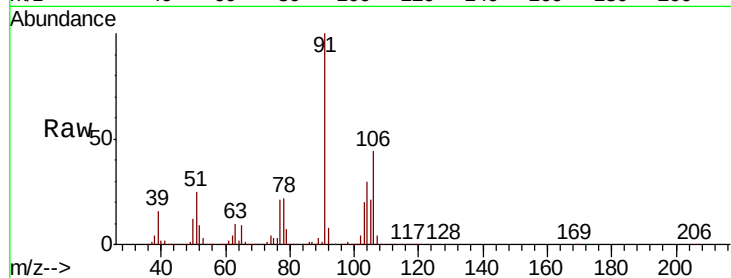
ClientSampled :

Tot Ion:106 Resp: 469482

Ion Ratio Lower Upper

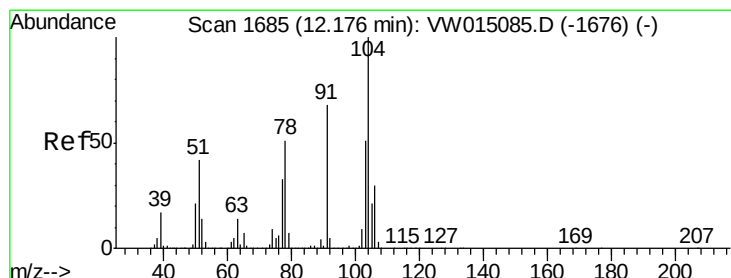
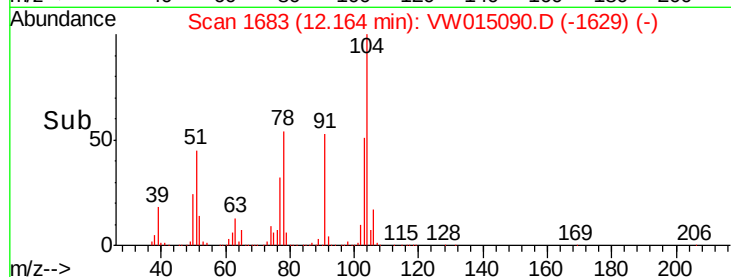
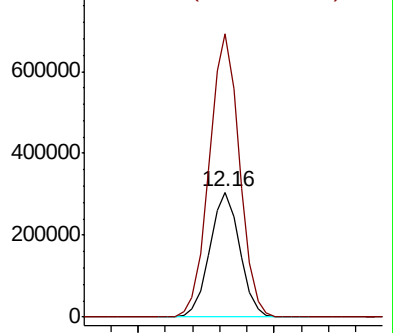
106 100

91 226.7 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.063 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015090.D

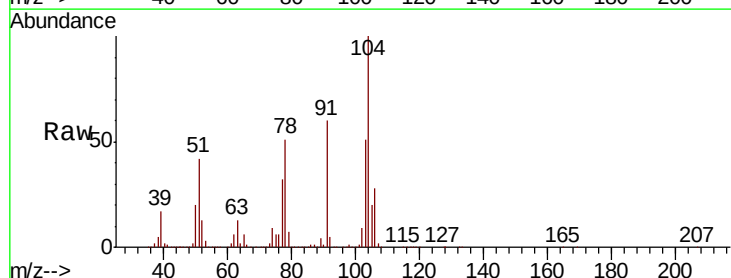
Acq: 02 Mar 2020 16:33

Tgt Ion:104 Resp: 819935

Ion Ratio Lower Upper

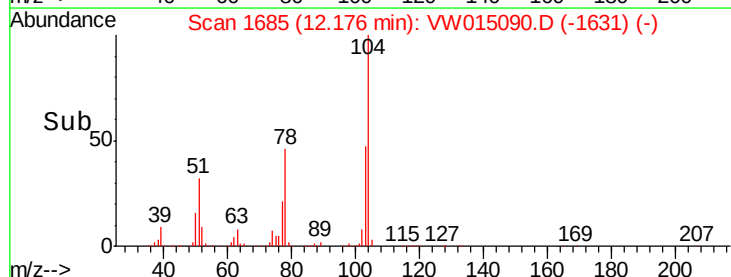
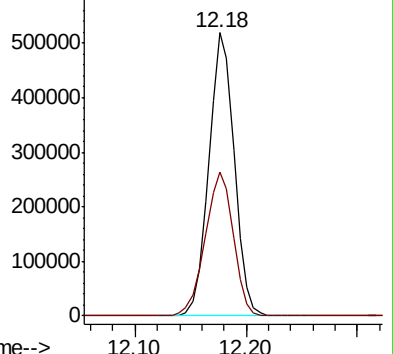
104 100

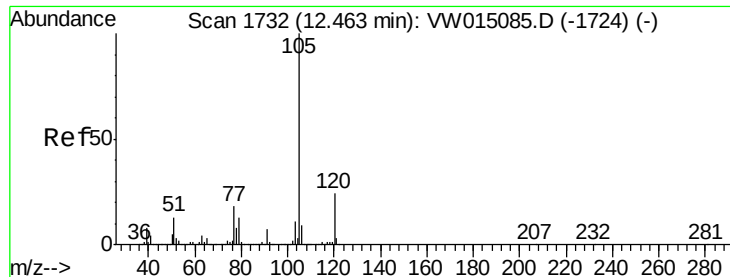
78 50.9 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.805 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

ClientSampled :

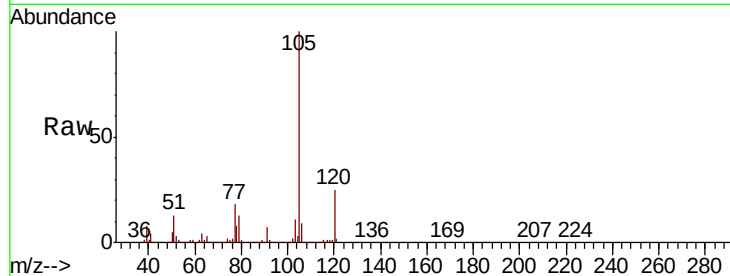
Tot Ion:105 Resp: 1291714

Ion Ratio Lower Upper

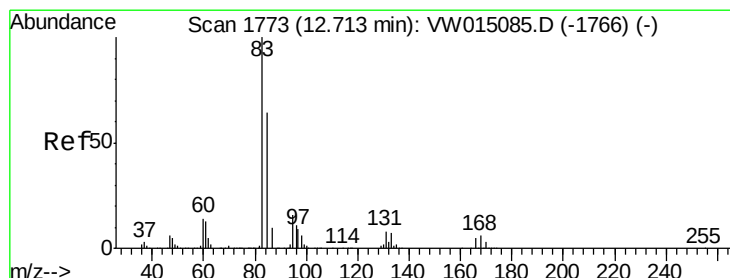
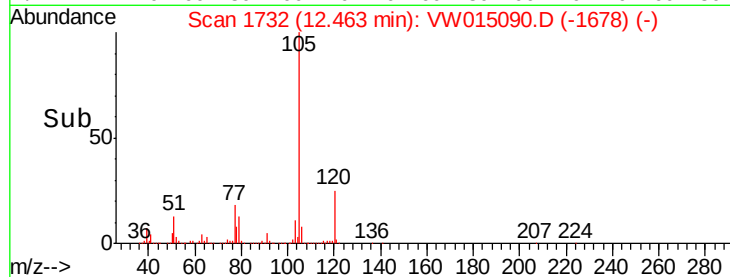
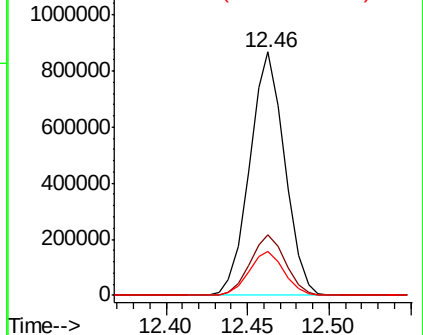
105 100

120 25.2 19.8 29.8

77 18.1 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 31.046 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

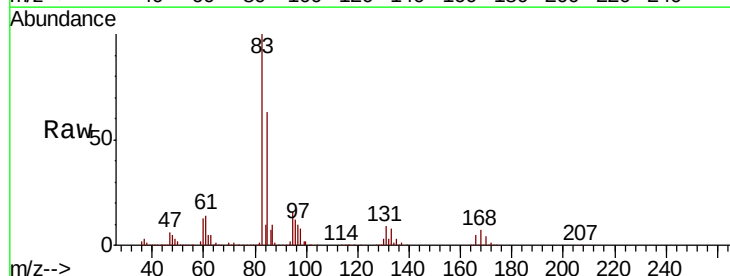
Tgt Ion: 83 Resp: 301949

Ion Ratio Lower Upper

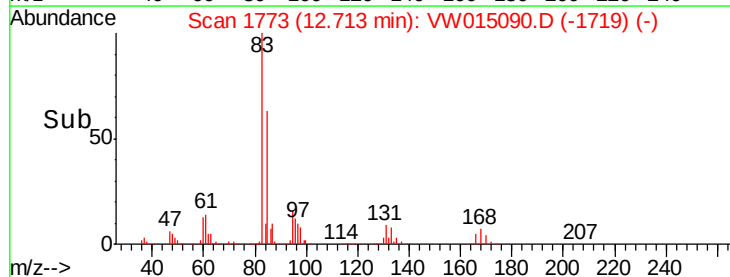
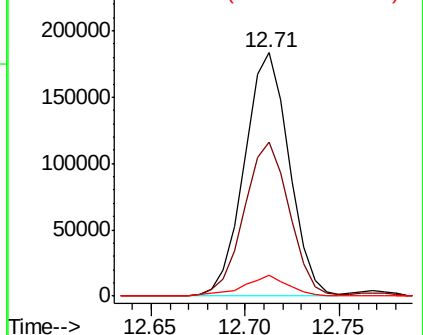
83 100

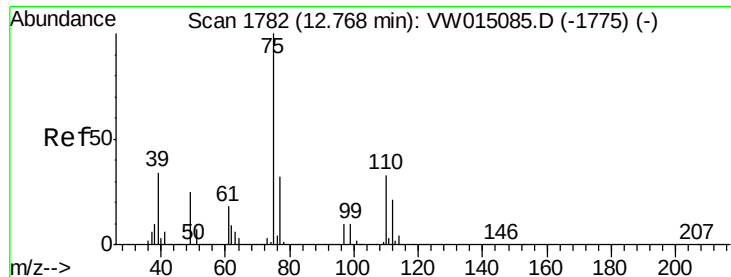
85 63.4 44.2 82.0

131 8.7 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.516 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

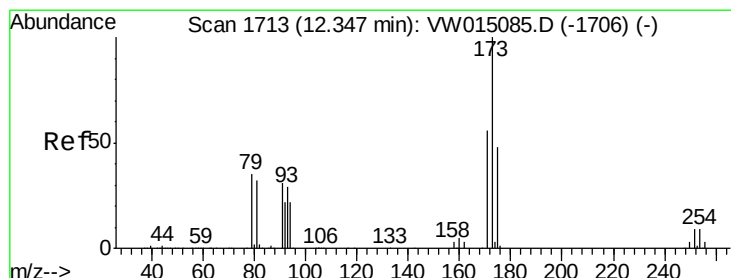
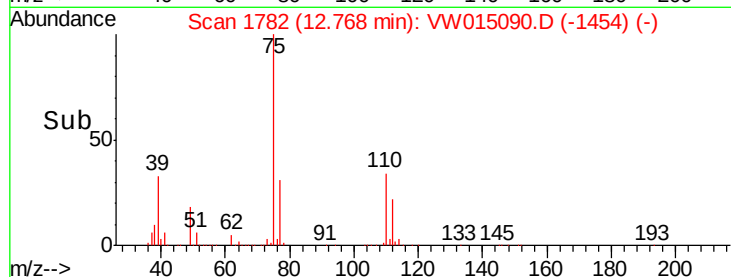
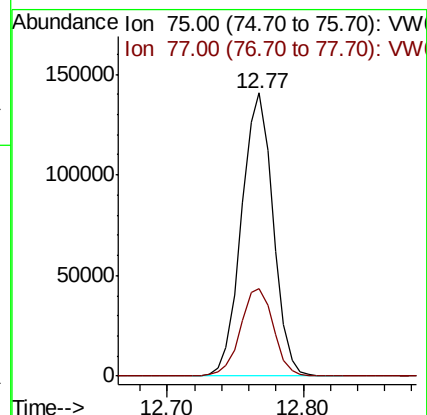
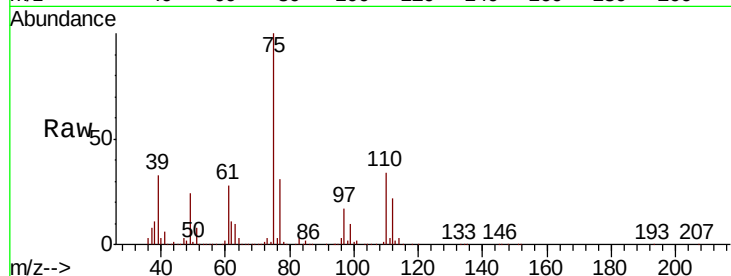
ClientSampleId :

Tot Ion: 75 Resp: 228120

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



#62

Bromoform

Concen: 26.792 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

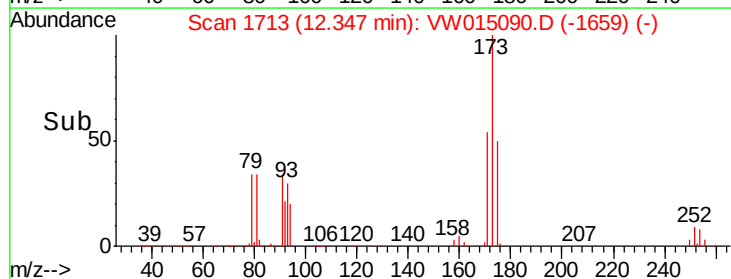
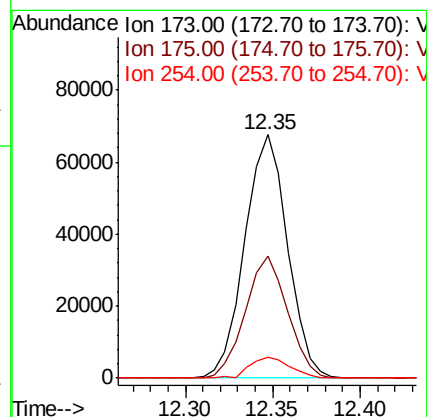
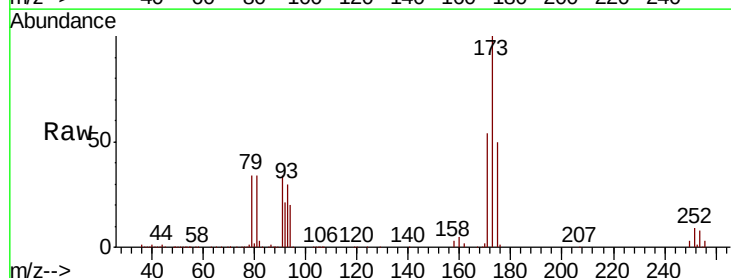
Tgt Ion: 173 Resp: 114971

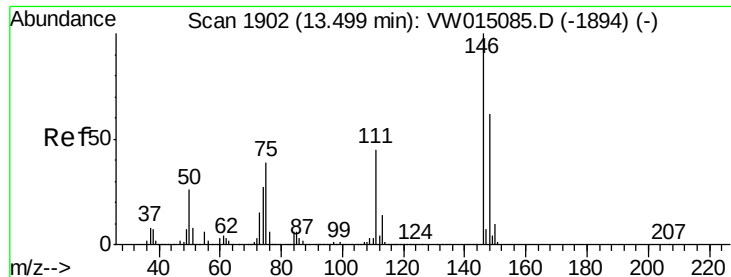
Ion Ratio Lower Upper

173 100

175 49.7 38.7 58.1

254 7.8 7.0 10.4

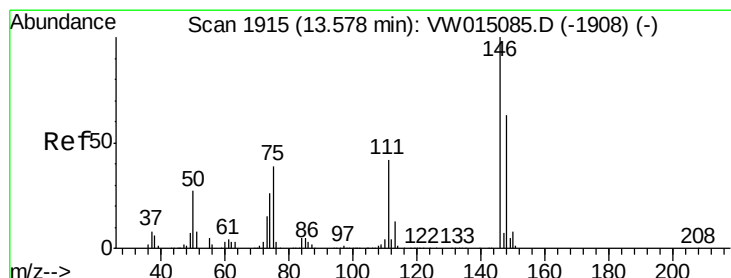
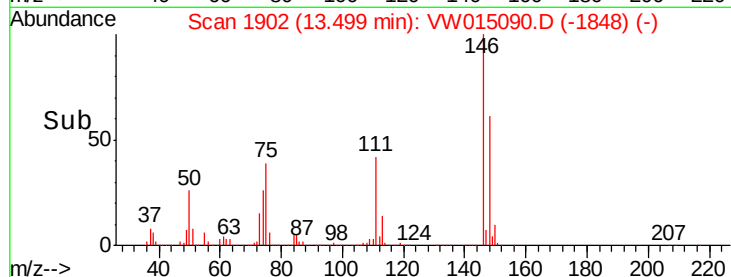
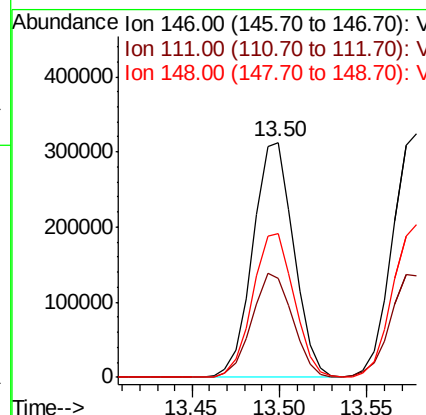
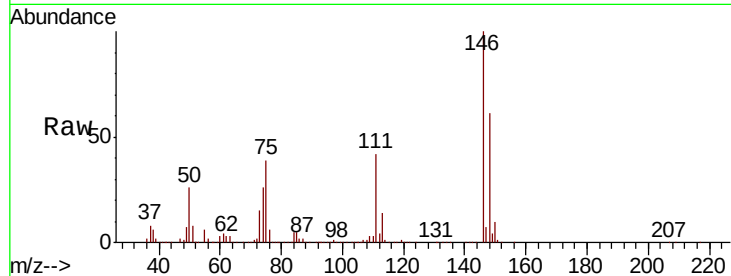




#63
 1,3-Dichlorobenzene
 Concen: 25.505 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

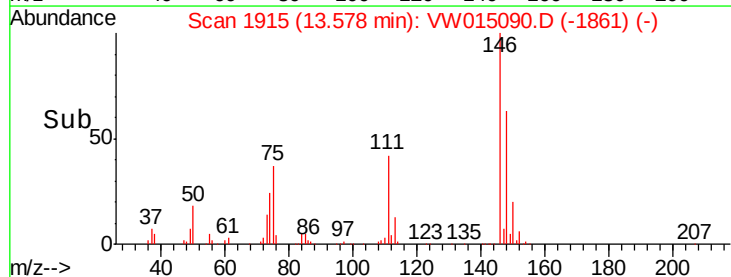
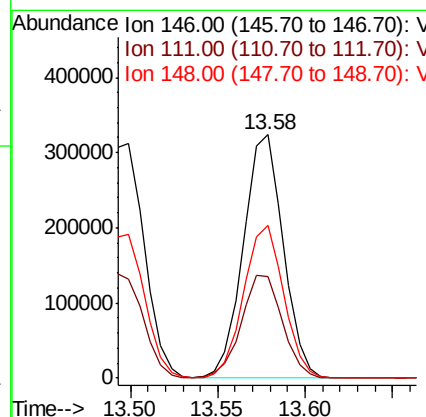
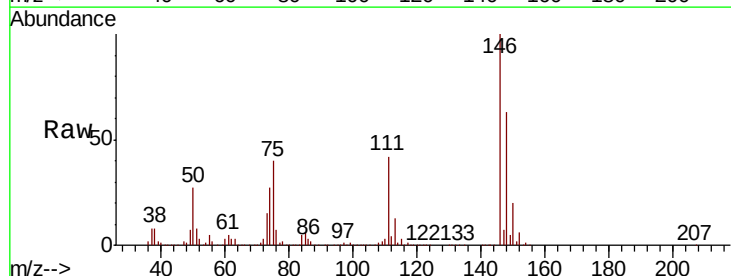
Instrument :
 MSVOA_W
 ClientSampleId :

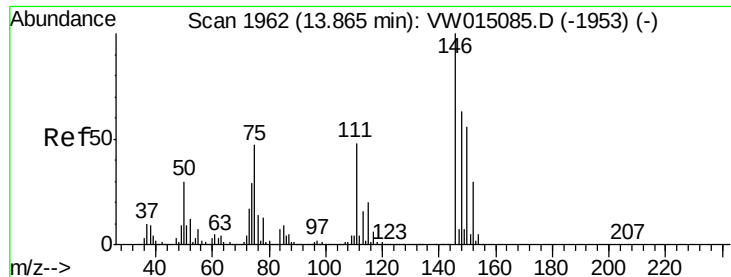
Tot Ion:146 Resp: 507982
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.9 57.3
 148 61.4 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.115 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

Tgt Ion:146 Resp: 515010
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.9 55.5
 148 62.7 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 26.018 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

ClientSampled :

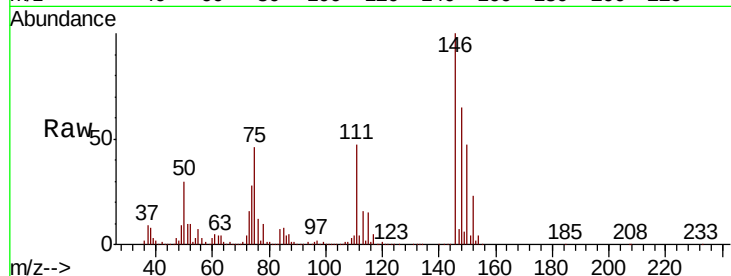
Tot Ion:146 Resp: 469301

Ion Ratio Lower Upper

146 100

111 46.7 37.7 56.5

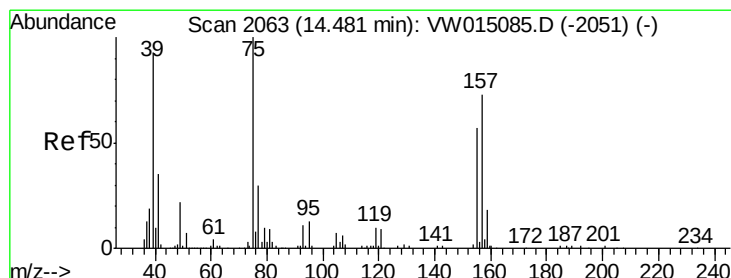
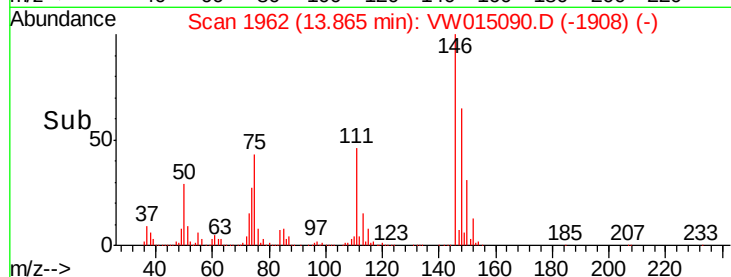
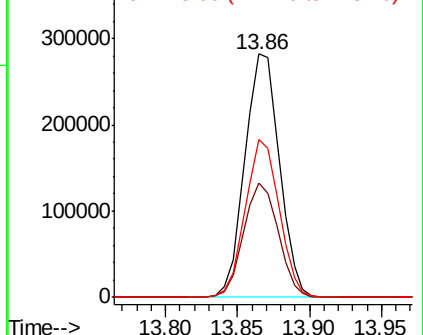
148 64.6 50.0 75.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.811 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

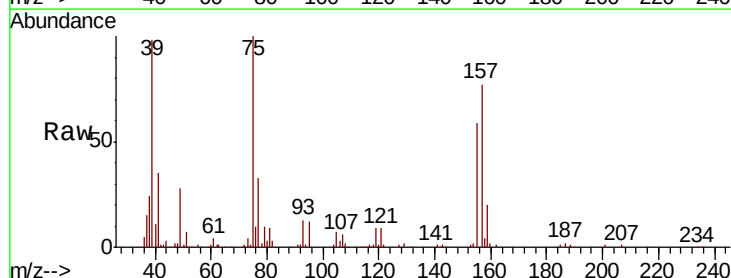
Tgt Ion: 75 Resp: 47473

Ion Ratio Lower Upper

75 100

157 77.3 61.4 92.0

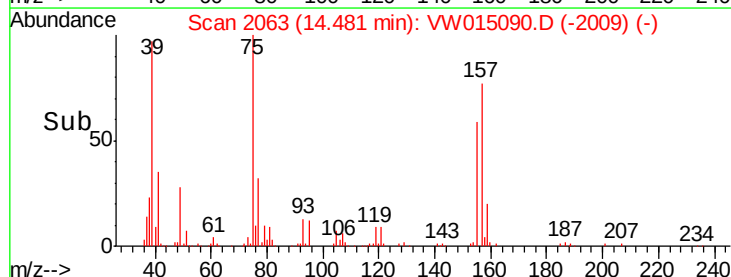
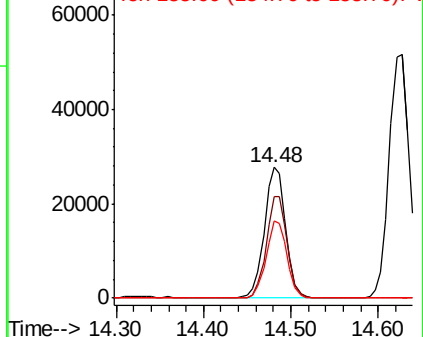
155 59.0 45.0 67.6

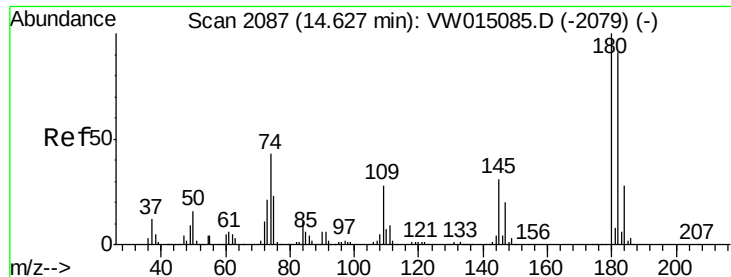


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

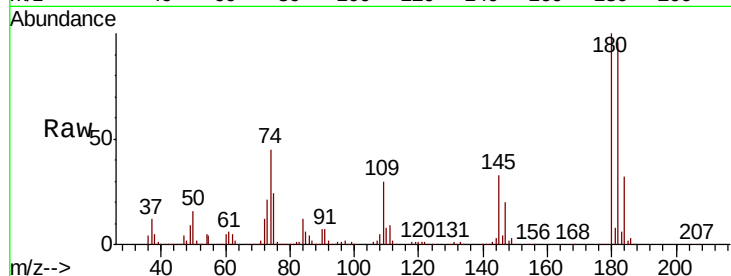




#67
 1,3,5-Trichlorobenzene
 Concen: 24.961 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.4	113.0
184	31.1	23.9	35.9
145	32.4	25.4	38.2



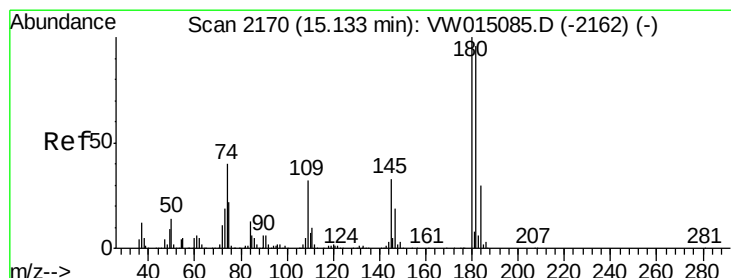
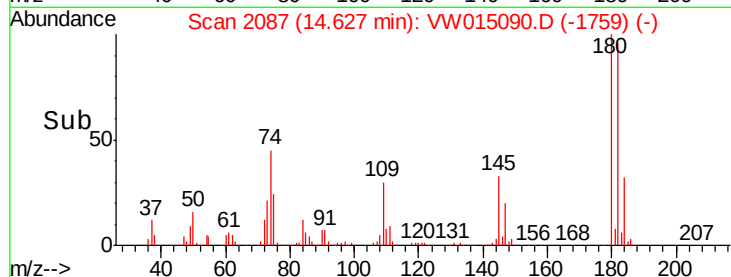
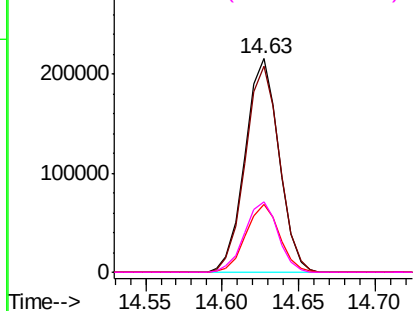
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

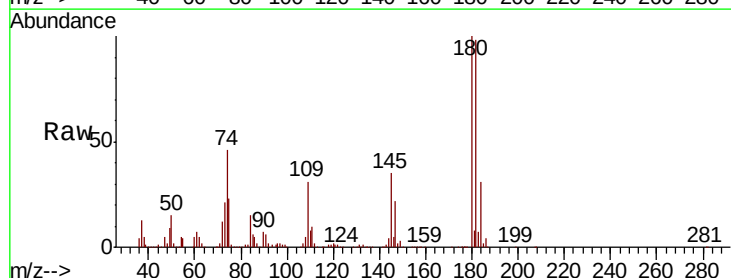
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.218 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015090.D
 Acq: 02 Mar 2020 16:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	33.6	25.9	38.9

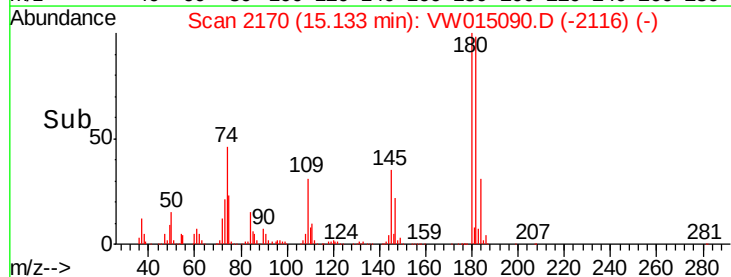
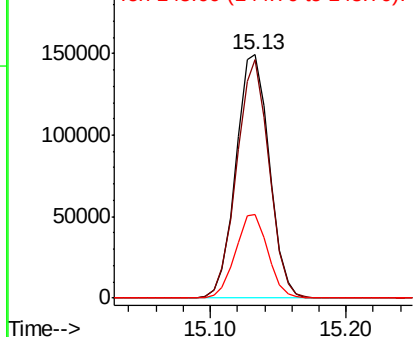


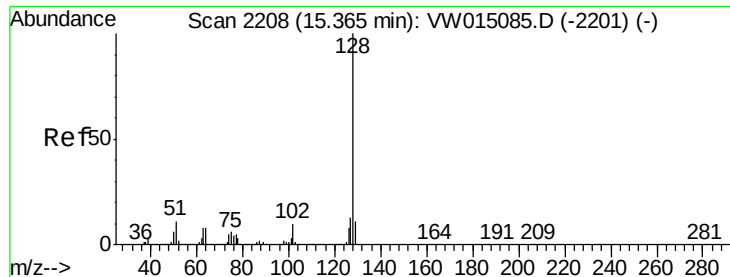
Abundance

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: 31.191 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

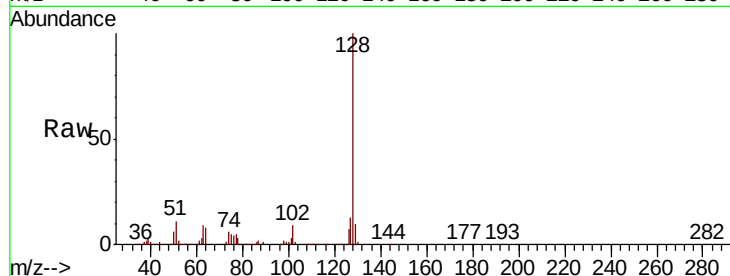
Tot Ion:128 Resp: 270284

Ion Ratio Lower Upper

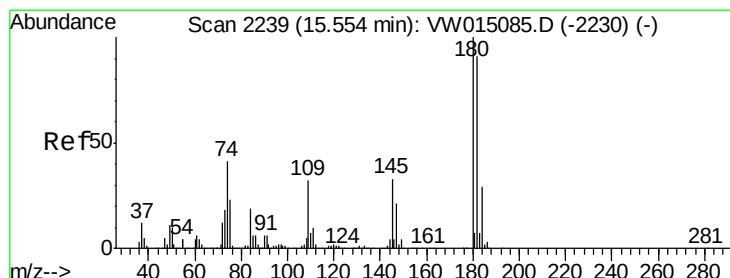
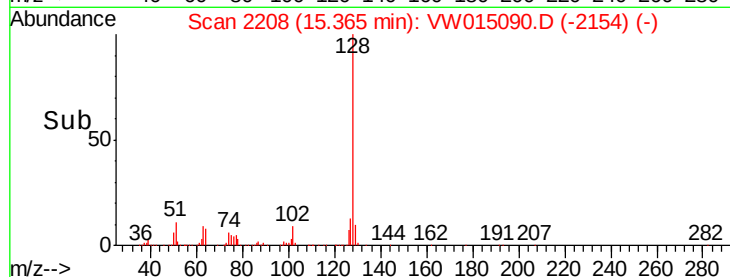
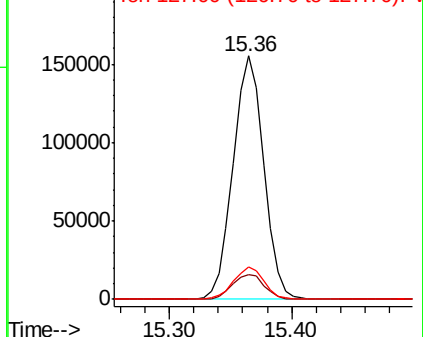
128 100

129 10.9 8.9 13.3

127 13.1 11.1 16.7



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



#70

1,2,3-Trichlorobenzene

Concen: 27.855 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015090.D

Acq: 02 Mar 2020 16:33

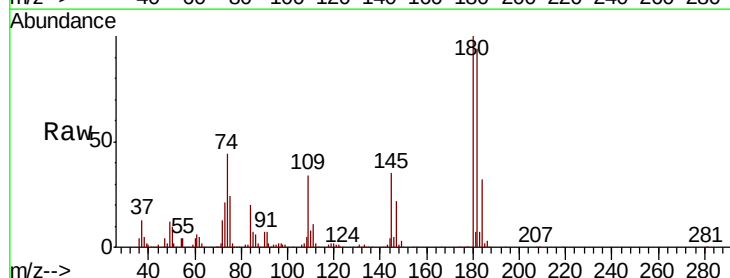
Tgt Ion:180 Resp: 244040

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 35.2 27.1 40.7



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

