

Data File : VW014876.D
Acq On : 05 Feb 2020 16:10
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Quant Time: Feb 06 02:46:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 15:37:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1018686	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	930764	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	424578	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	412113	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	343864	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
10) 1,1-Dichloroethene-d2	4.03	63	772414	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	7.07	46	221321	46.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.52%
24) Chloroform-d	7.65	84	727497	25.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	8.31	65	392465	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.08%
29) Benzene-d6	8.27	84	1488054	24.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.44%
33) 1,2-Dichloropropane-d6	9.27	67	484070	24.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.28%
37) Toluene-d8	10.32	98	1333182	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.24%
38) trans-1,3-Dichloropropene-	10.57	79	189745	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.56%
39) 2-Hexanone-d5	10.92	63	173190	48.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	342016	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	411107	24.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	249983	23.870 ug/L	# 81
3) Chloromethane	2.21	50	408255	25.726 ug/L	98
5) Vinyl chloride	2.37	62	523282	25.254 ug/L	99
6) Bromomethane	2.78	94	266526	25.724 ug/L	99
8) Chloroethane	2.93	64	297359	26.229 ug/L	99
9) Trichlorofluoromethane	3.26	101	207196	24.737 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	368531	24.925 ug/L	98
12) 1,1-Dichloroethene	4.04	96	375365	25.976 ug/L	94
13) Acetone	4.12	43	202904	41.534 ug/L	99
14) Carbon disulfide	4.39	76	1121799	25.855 ug/L	99
15) Methyl Acetate	4.67	43	193710	24.096 ug/L	99
16) Methylene chloride	4.92	84	430071	23.174 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	509282	26.977 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	388389	26.527 ug/L	96
19) 1,1-Dichloroethane	6.21	63	788772	26.592 ug/L	97
21) 2-Butanone	7.17	43	269494	47.117 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	427487	26.994 ug/L	99

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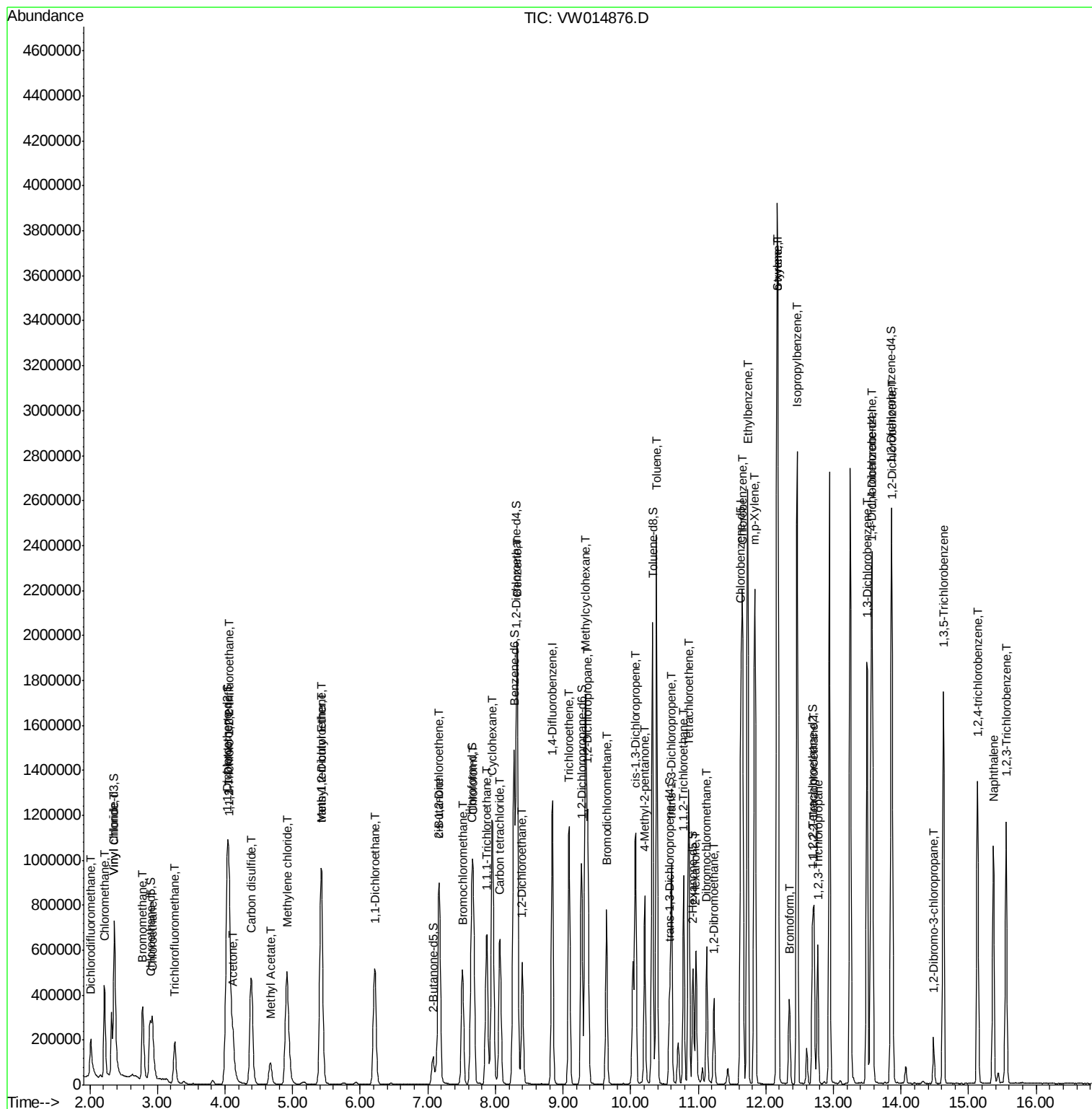
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	168041	25.863	ug/L	99
25) Chloroform	7.67	83	728912	26.752	ug/L	100
27) 1,2-Dichloroethane	8.40	62	487465	25.949	ug/L	100
30) Cyclohexane	7.96	56	718406	25.904	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	546440	25.748	ug/L	99
32) Carbon tetrachloride	8.07	117	490603	25.716	ug/L	99
34) Benzene	8.32	78	1686651	26.352	ug/L	100
35) Trichloroethene	9.09	95	413950	26.092	ug/L	100
36) Methylcyclohexane	9.34	83	662491	23.972	ug/L	99
40) 1,2-Dichloropropane	9.37	63	455155	26.574	ug/L	99
41) Bromodichloromethane	9.64	83	520688	26.526	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	656486	26.992	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	560739	49.927	ug/L	100
44) Toluene	10.38	91	1746739	26.883	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	517118	26.403	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	291630	25.864	ug/L	99
47) Tetrachloroethene	10.86	164	283780	24.343	ug/L	99
49) 2-Hexanone	10.96	43	399048	50.583	ug/L	99
50) Dibromochloromethane	11.13	129	315685	26.051	ug/L	100
51) 1,2-Dibromoethane	11.23	107	263445	25.111	ug/L	98
52) Chlorobenzene	11.65	112	1042239	26.236	ug/L	98
53) Ethylbenzene	11.73	91	1894196	26.648	ug/L	100
54) m,p-Xylene	11.84	106	695525	26.787	ug/L	100
55) o-xylene	12.16	106	664381	26.886	ug/L	97
56) Styrene	12.18	104	1142820	27.364	ug/L	98
57) Isopropylbenzene	12.46	105	1750237	26.373	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	351116	24.948	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	261428	24.691	ug/L	98
62) Bromoform	12.35	173	167300	25.849	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	734554	25.612	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	738543	25.564	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	676933	25.805	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	54461	24.349	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	518206	25.228	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	427501	26.342	ug/L	98
69) Naphthalene	15.36	128	857297	26.855	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	387607	25.866	ug/L	99

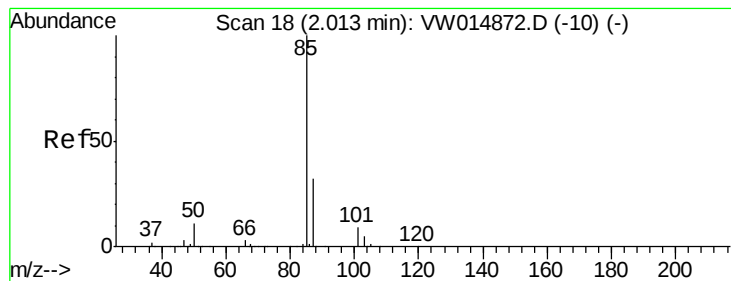
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.870 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

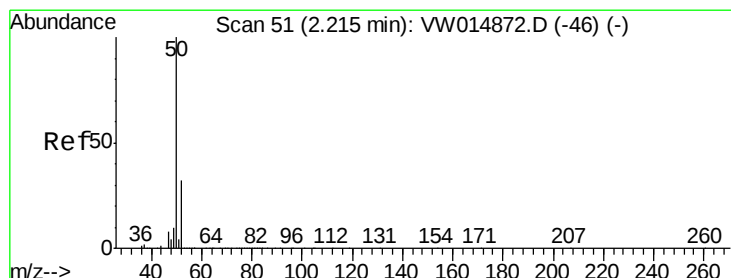
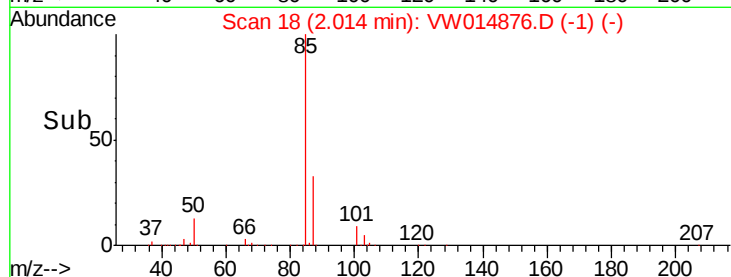
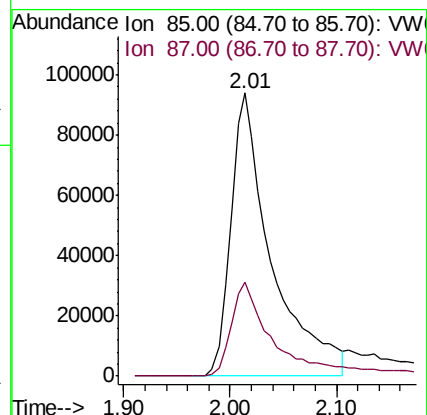
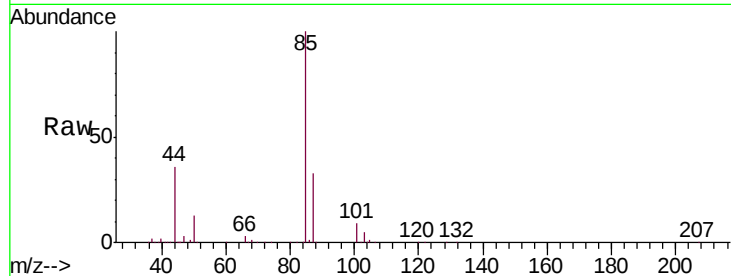
VSTD02513

Tgt Ion: 85 Resp: 249983

Ion Ratio Lower Upper

85 100

87 35.5 18.1 33.7#



#3

Chloromethane

Concen: 25.726 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014876.D

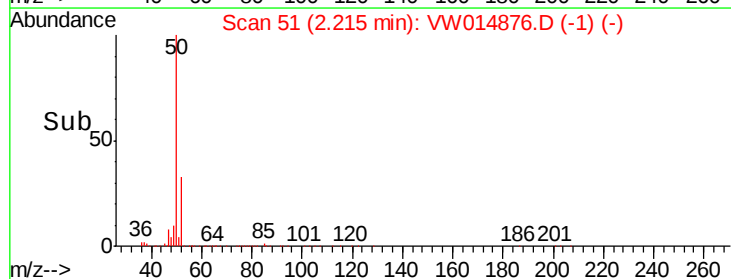
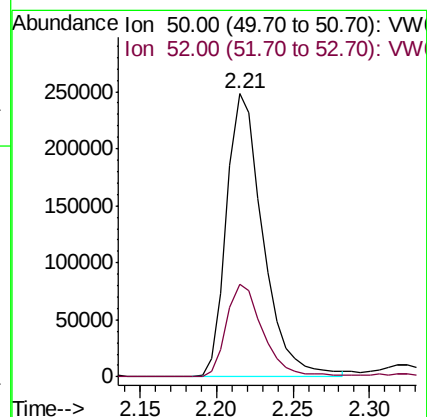
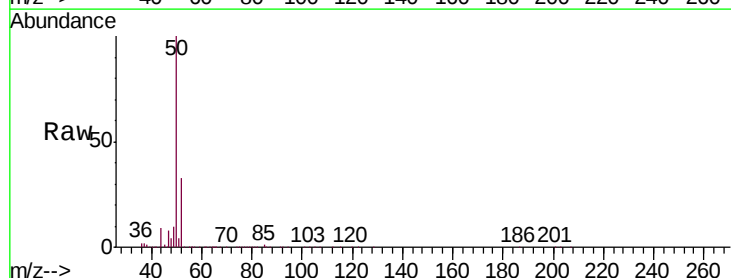
Acq: 05 Feb 2020 16:10

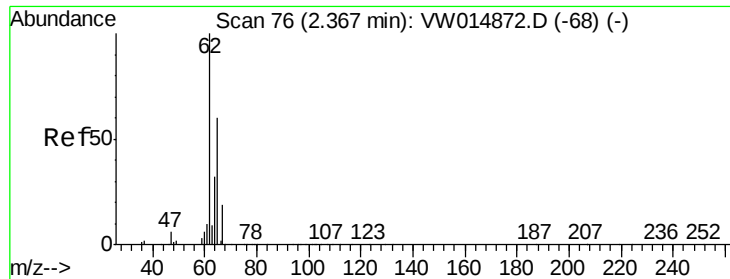
Tgt Ion: 50 Resp: 408255

Ion Ratio Lower Upper

50 100

52 33.0 22.1 41.1





#5

Vinyl chloride

Concen: 25.254 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

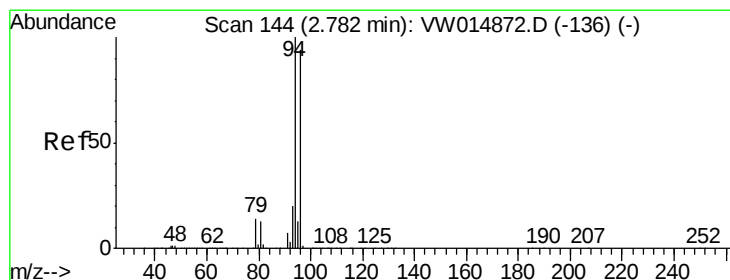
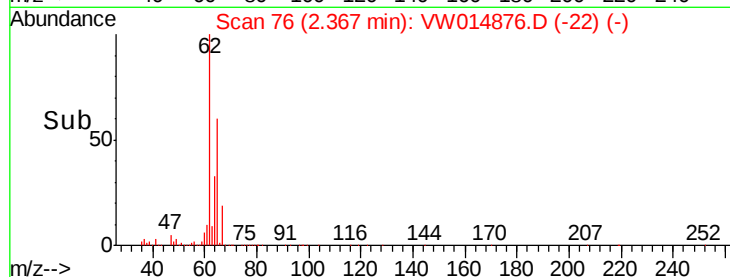
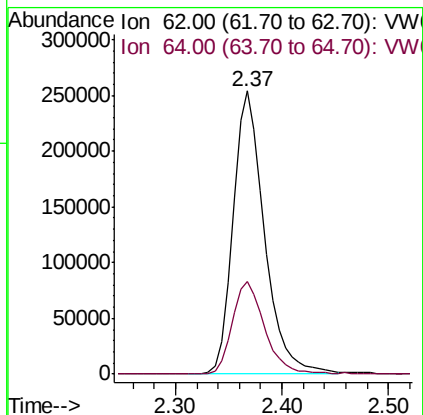
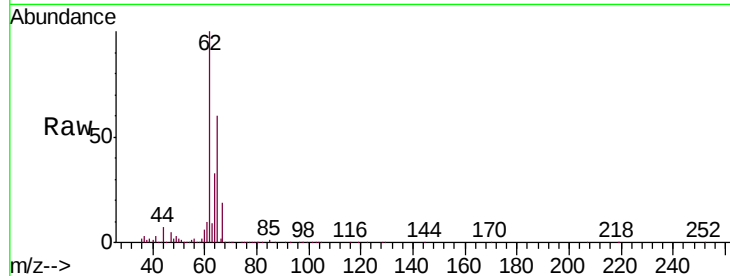
VSTD02513

Tgt Ion: 62 Resp: 523282

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.9



#6

Bromomethane

Concen: 25.724 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014876.D

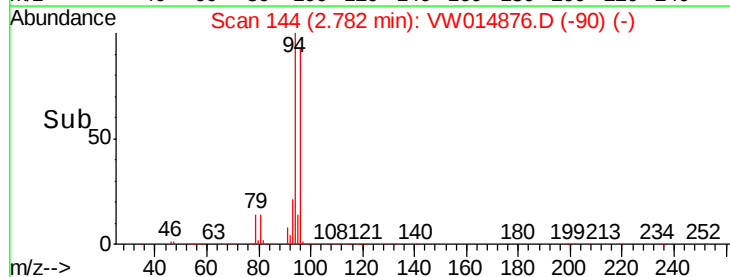
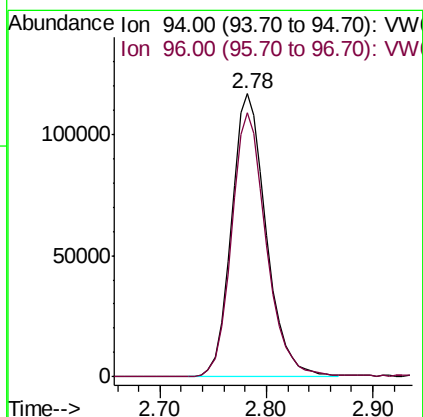
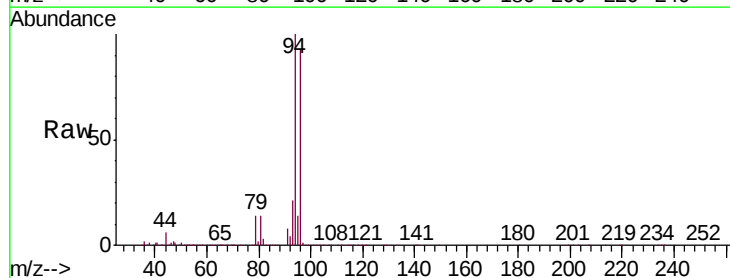
Acq: 05 Feb 2020 16:10

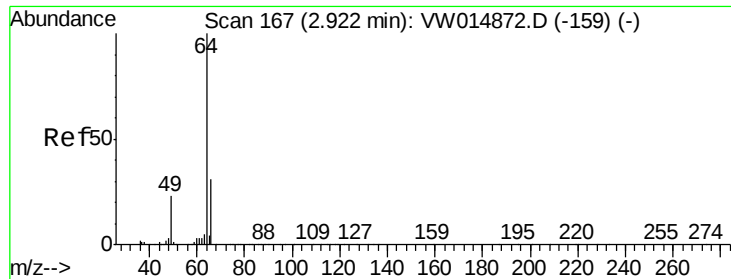
Tgt Ion: 94 Resp: 266526

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.0





#8

Chloroethane

Concen: 26.229 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

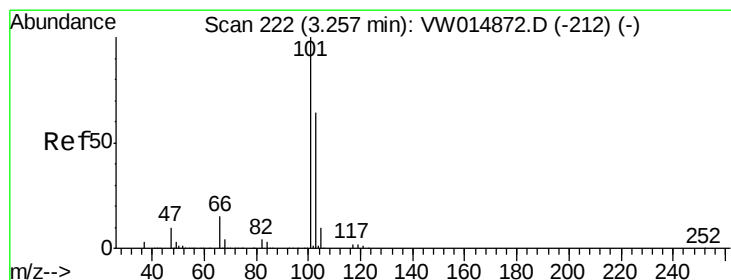
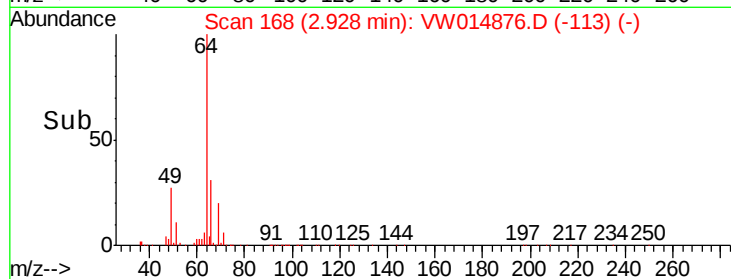
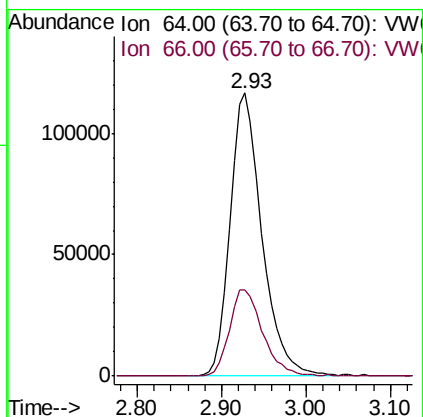
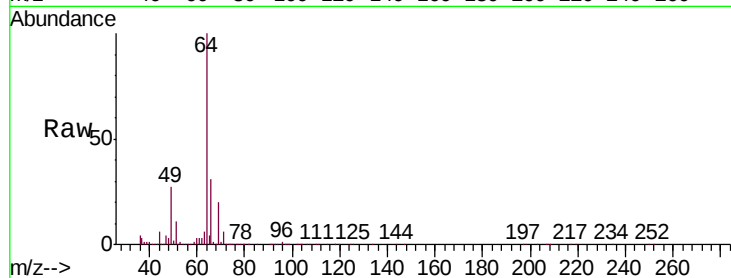
VSTD02513

Tgt Ion: 64 Resp: 297359

Ion Ratio Lower Upper

64 100

66 30.7 21.9 40.7



#9

Trichlorofluoromethane

Concen: 24.737 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014876.D

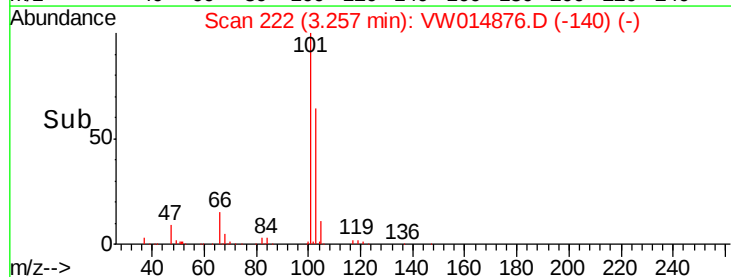
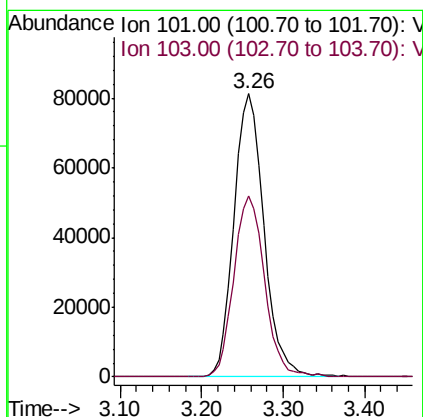
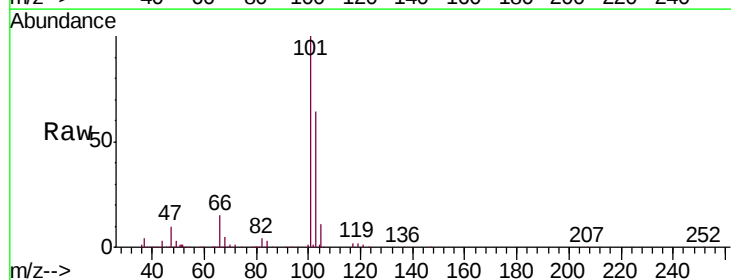
Acq: 05 Feb 2020 16:10

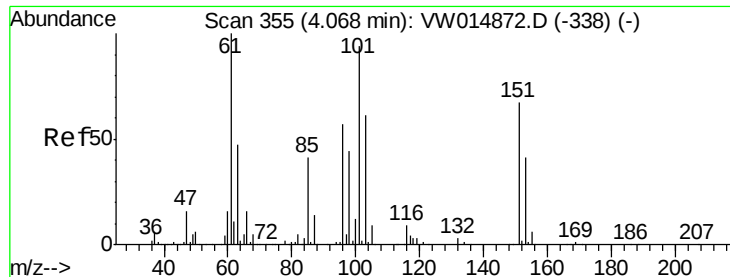
Tgt Ion: 101 Resp: 207196

Ion Ratio Lower Upper

101 100

103 65.0 45.8 85.0





#11

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

Concen: 24.925 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

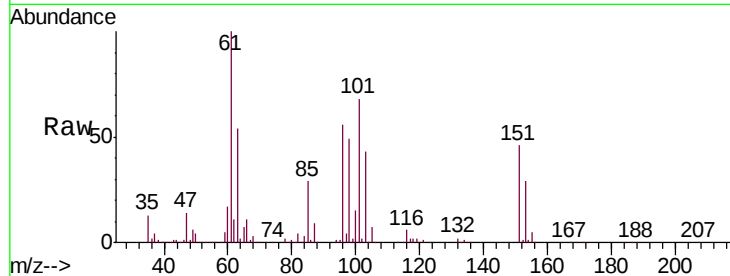
Tgt Ion: 101 Resp: 368531

Ion Ratio Lower Upper

101 100

85 45.0 34.8 52.2

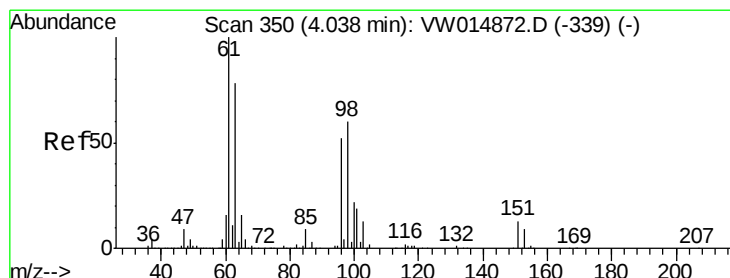
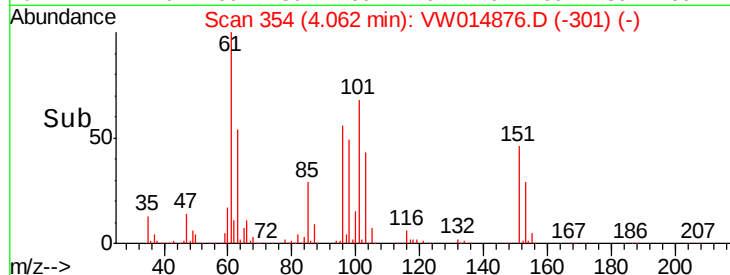
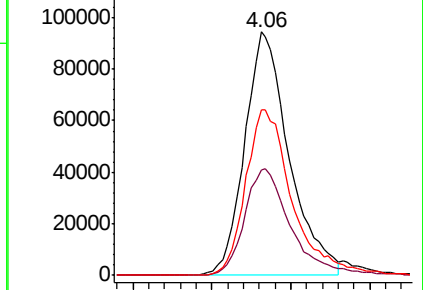
151 71.5 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.976 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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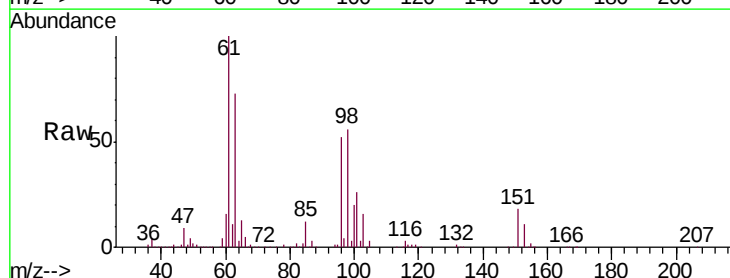
Tgt Ion: 96 Resp: 375365

Ion Ratio Lower Upper

96 100

61 191.7 134.7 250.1

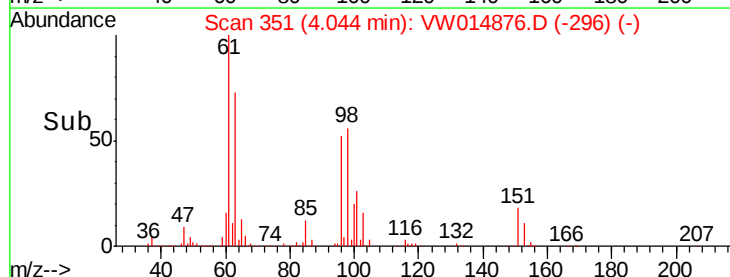
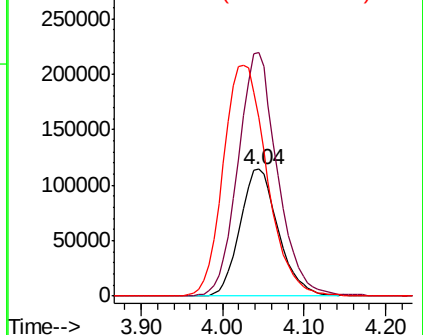
63 140.0 110.2 204.8

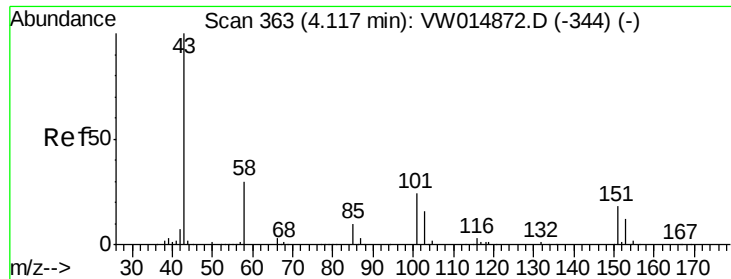


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.534 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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ClientSampled :

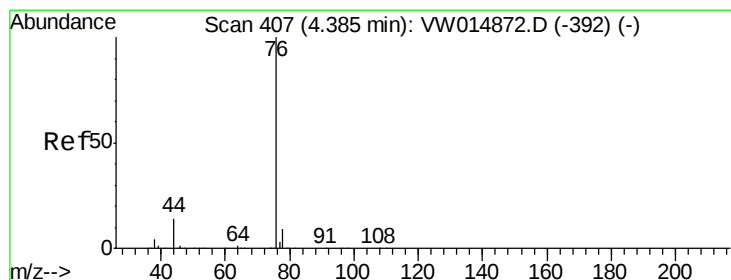
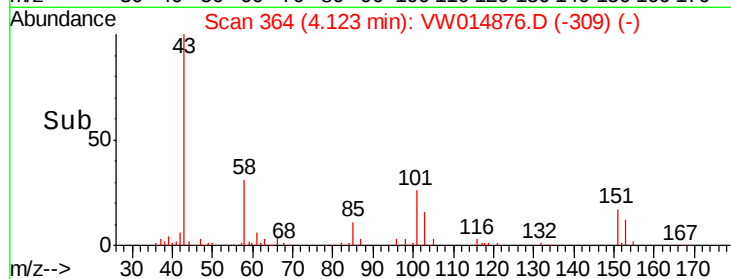
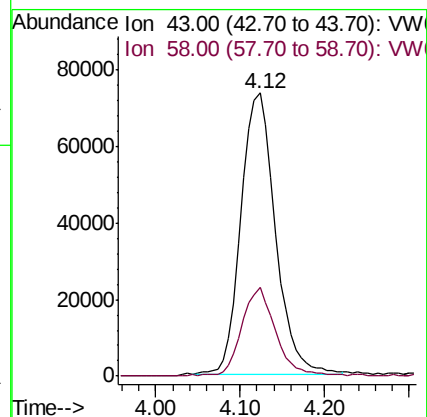
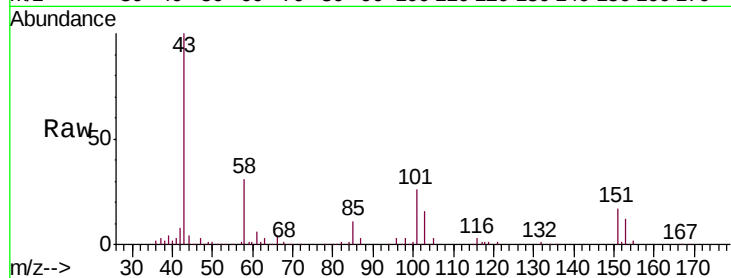
VSTD02513

Tgt Ion: 43 Resp: 202904

Ion Ratio Lower Upper

43 100

58 30.7 0.0 60.4



#14

Carbon disulfide

Concen: 25.855 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014876.D

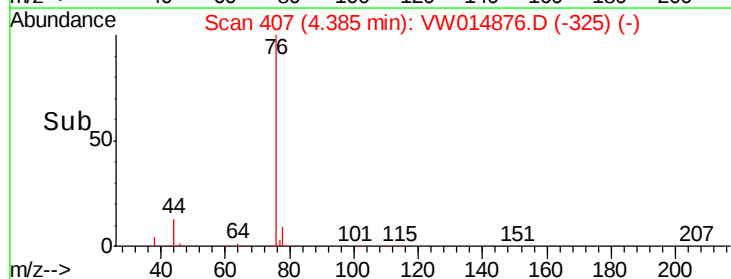
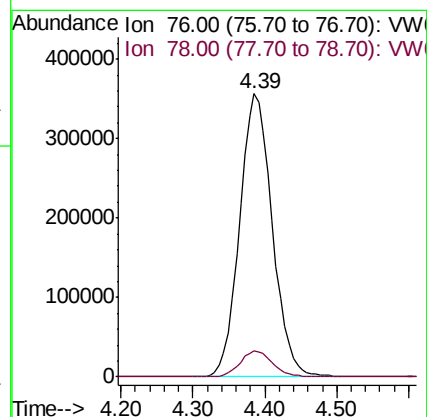
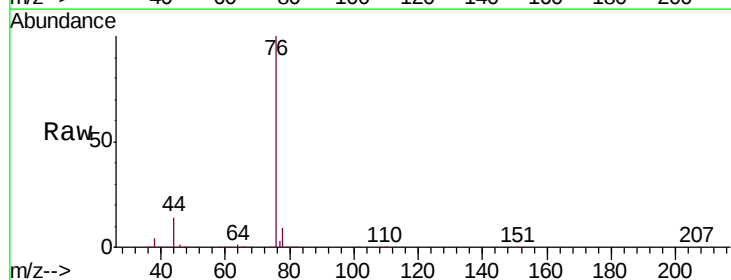
Acq: 05 Feb 2020 16:10

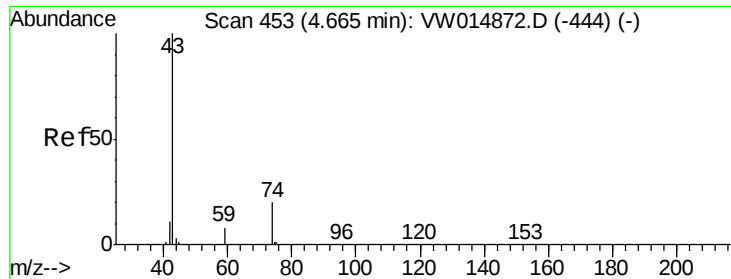
Tgt Ion: 76 Resp: 1121799

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

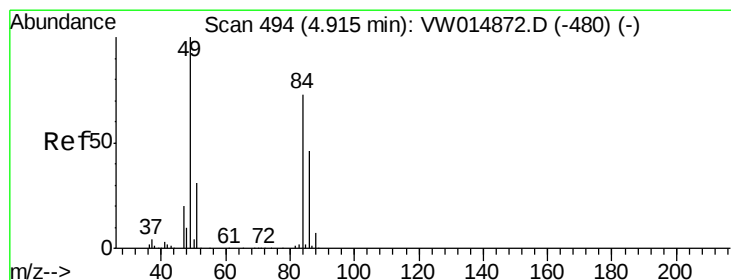
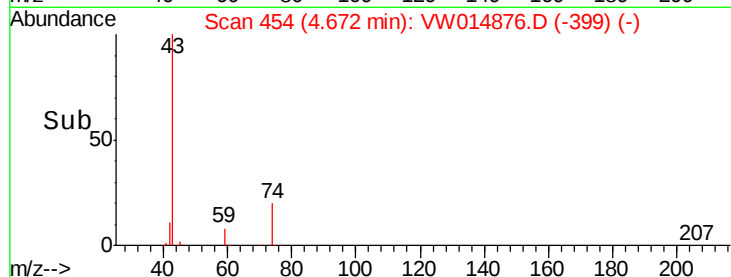
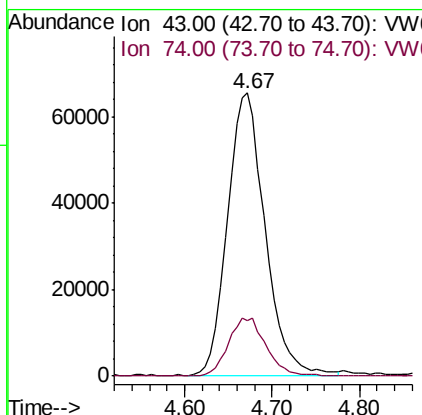
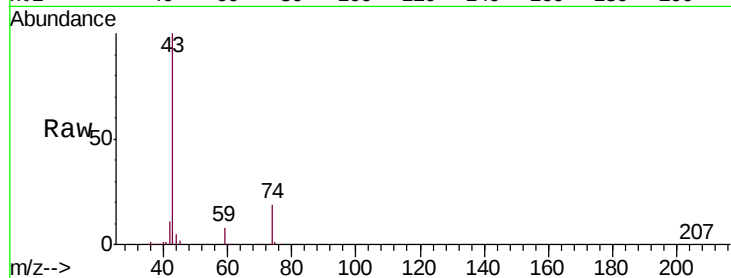




#15
Methyl Acetate
Concen: 24.096 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

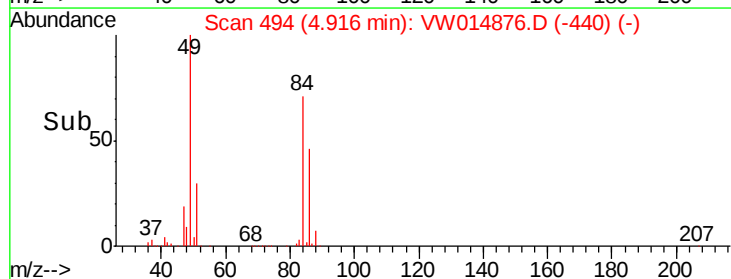
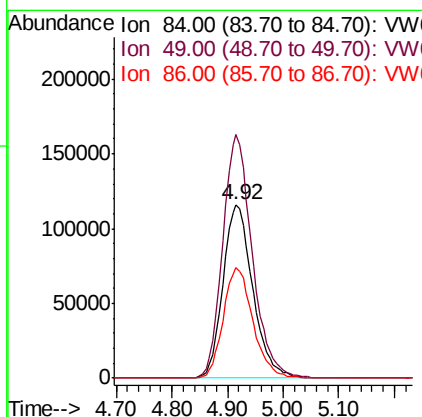
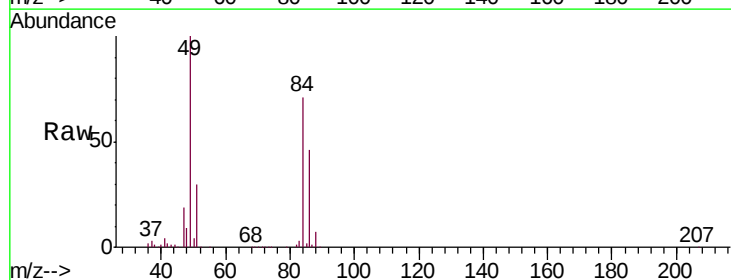
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

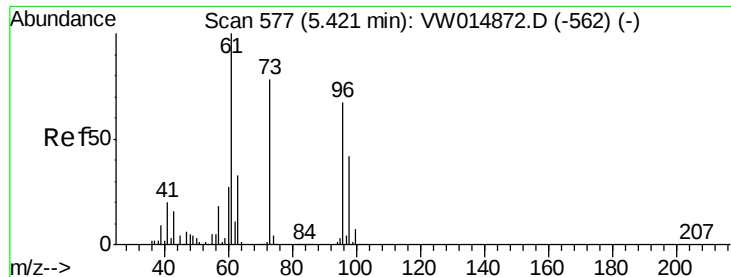
Tgt Ion: 43 Resp: 193710
Ion Ratio Lower Upper
43 100
74 20.9 16.5 24.7



#16
Methylene chloride
Concen: 23.174 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Tgt Ion: 84 Resp: 430071
Ion Ratio Lower Upper
84 100
49 140.3 95.8 177.8
86 64.0 44.2 82.2

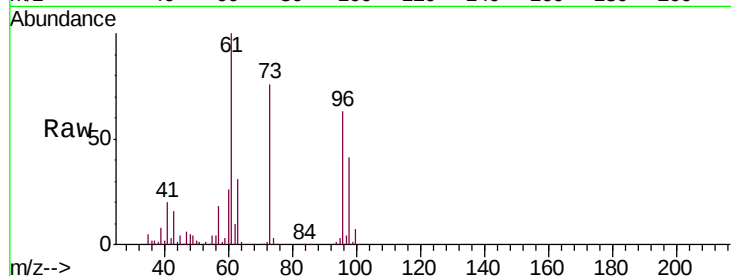




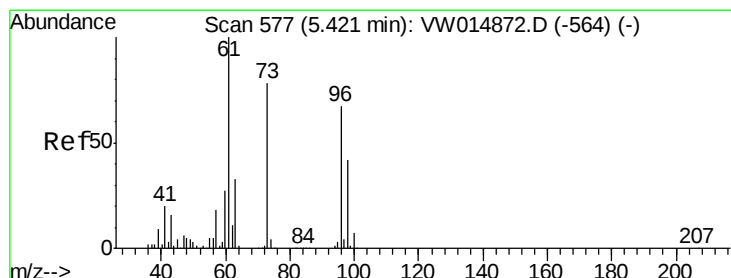
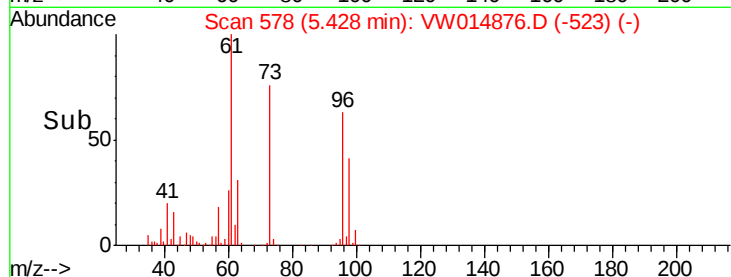
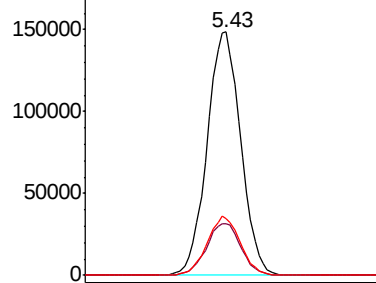
#17
Methyl tert-butyl Ether
Concen: 26.977 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Tgt Ion: 73 Resp: 509282
Ion Ratio Lower Upper
73 100
43 21.7 17.5 26.3
57 23.9 19.4 29.0

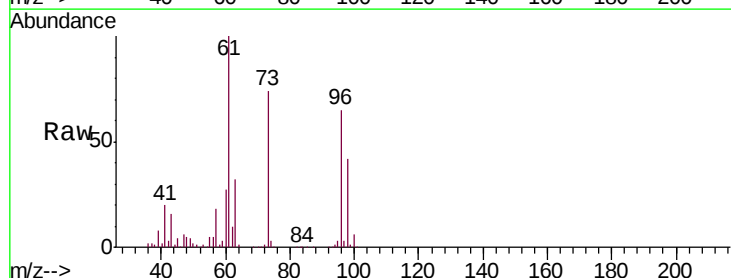


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

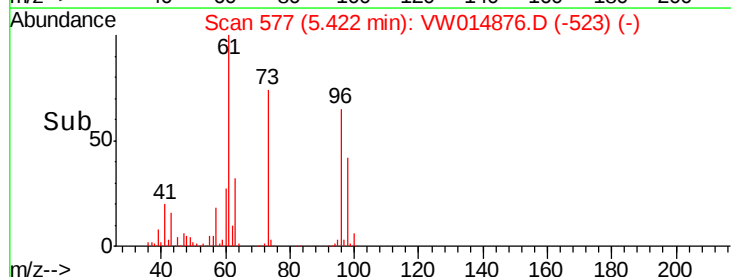
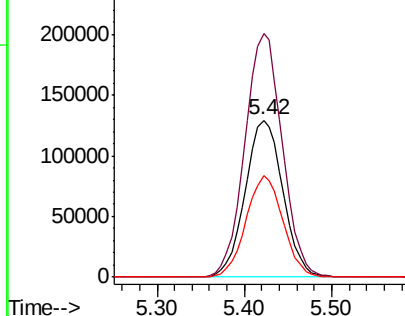


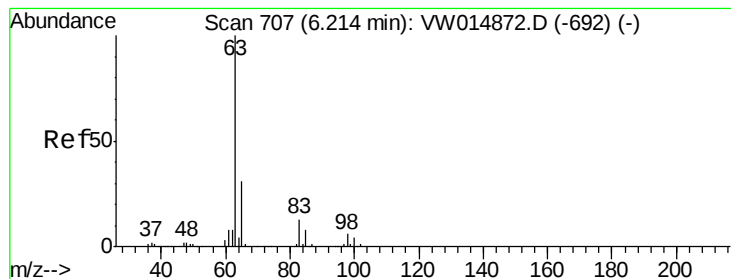
#18
trans-1,2-Dichloroethene
Concen: 26.527 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Tgt Ion: 96 Resp: 388389
Ion Ratio Lower Upper
96 100
61 154.9 104.4 194.0
98 64.9 43.8 81.3



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: 26.592 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

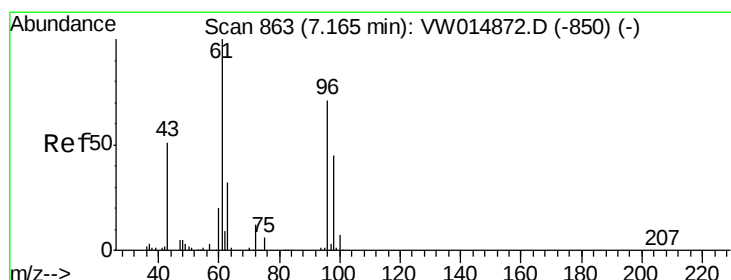
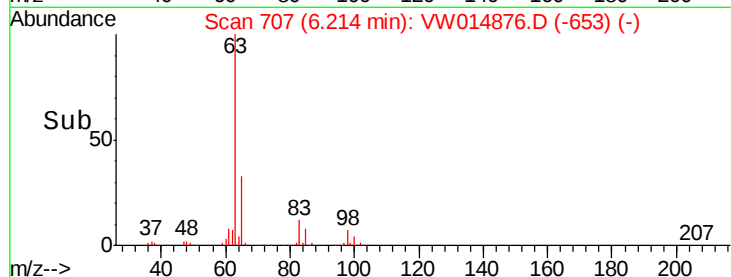
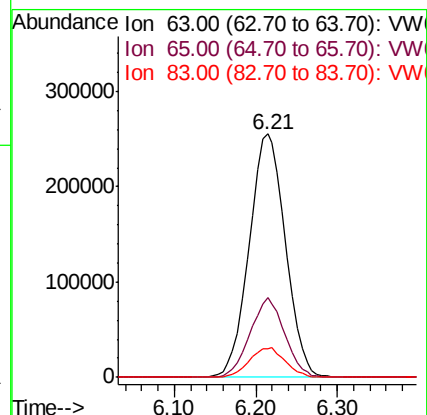
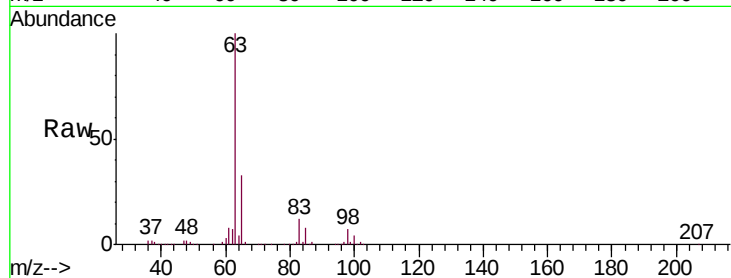
Tgt Ion: 63 Resp: 788772

Ion Ratio Lower Upper

63 100

65 32.7 21.5 39.9

83 12.0 8.8 16.3



#21

2-Butanone

Concen: 47.117 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014876.D

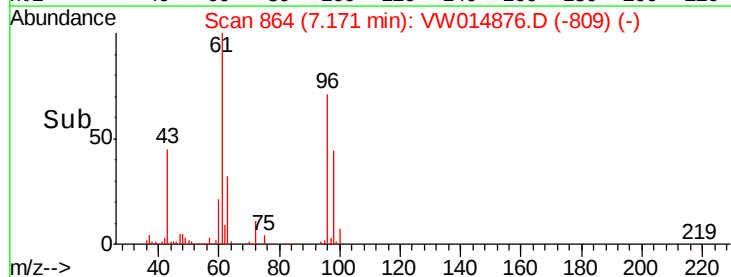
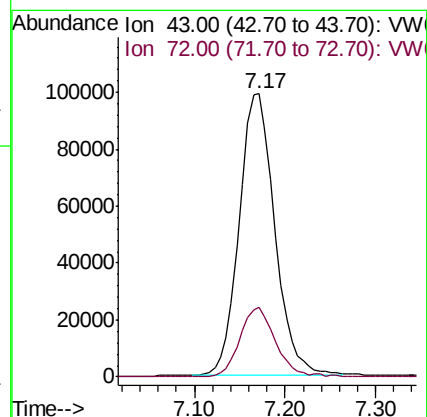
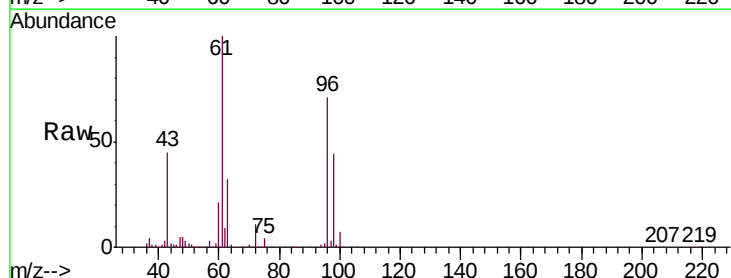
Acq: 05 Feb 2020 16:10

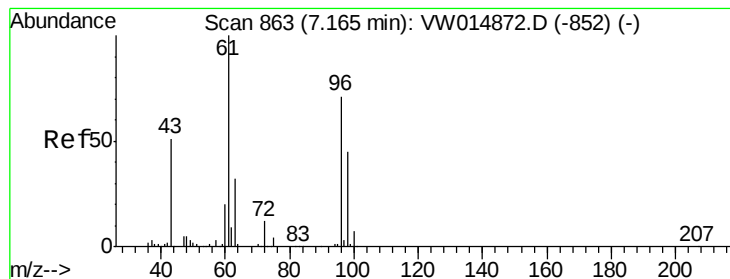
Tgt Ion: 43 Resp: 269494

Ion Ratio Lower Upper

43 100

72 24.2 11.9 35.5



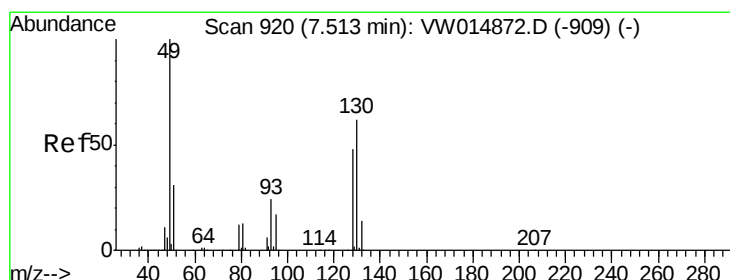
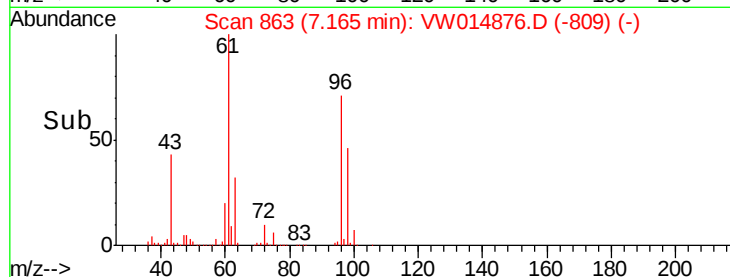
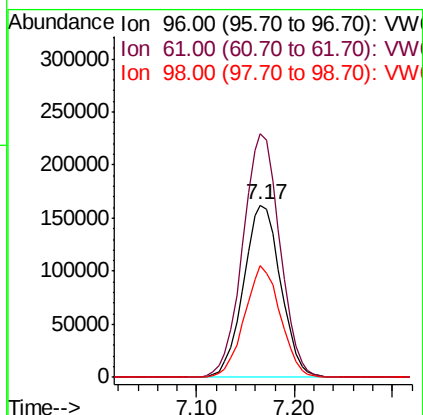
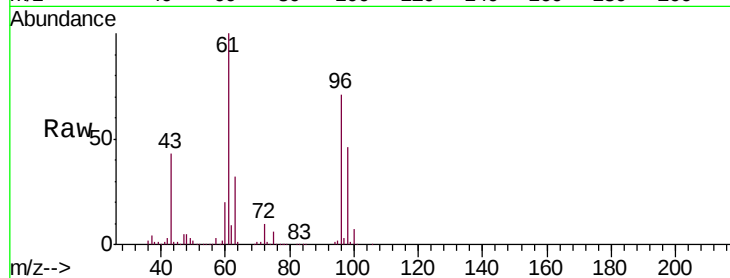


#22

cis-1,2-Dichloroethene
 Concen: 26.994 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014876.D
 Acq: 05 Feb 2020 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

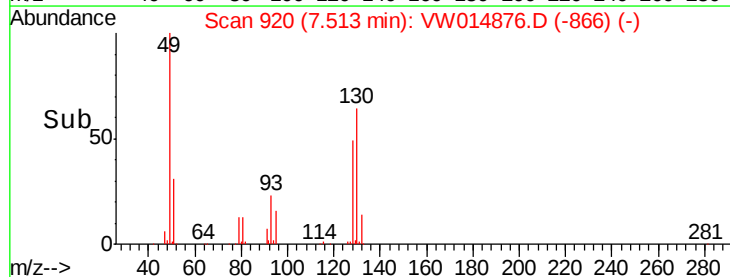
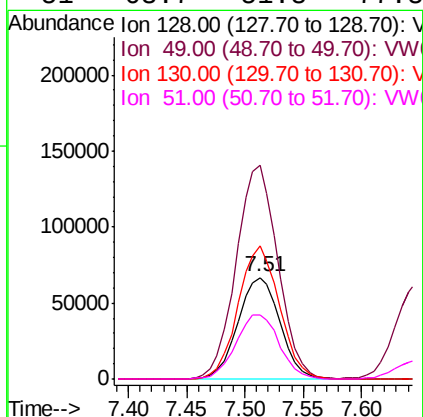
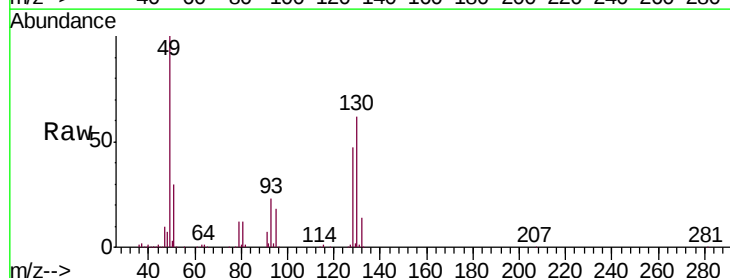
Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.6	98.6	183.0
98	64.9	44.2	82.2

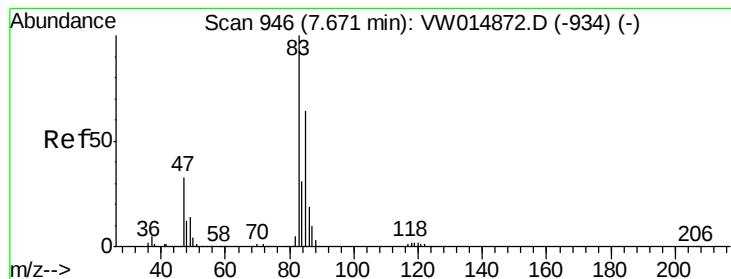


#23

Bromochloromethane
 Concen: 25.863 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW014876.D
 Acq: 05 Feb 2020 16:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	210.8	146.0	271.2
130	131.4	90.9	168.9
51	63.7	51.8	77.8





#25

Chloroform

Concen: 26.752 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

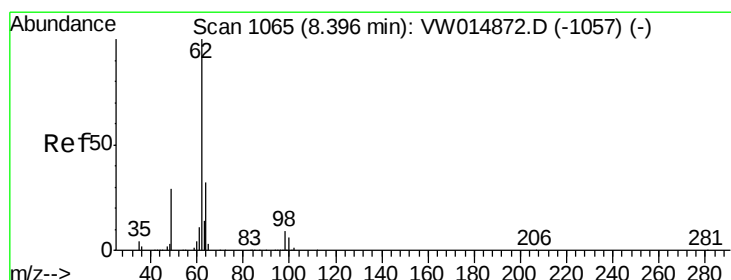
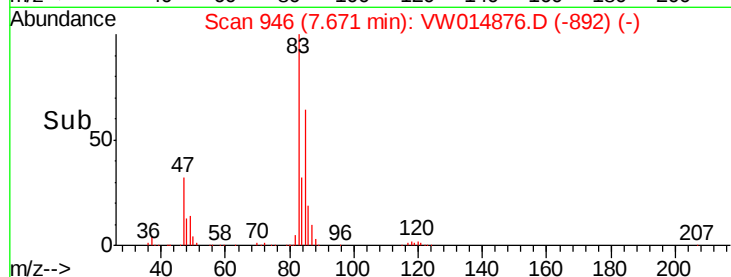
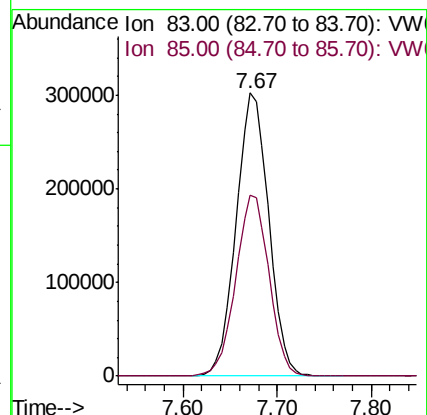
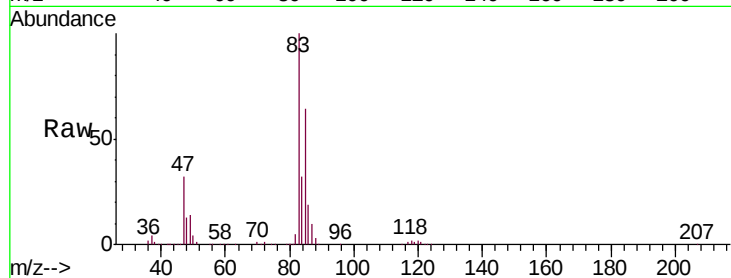
VSTD02513

Tgt Ion: 83 Resp: 728912

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 25.949 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014876.D

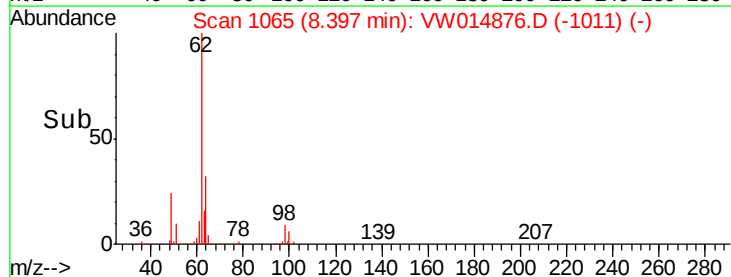
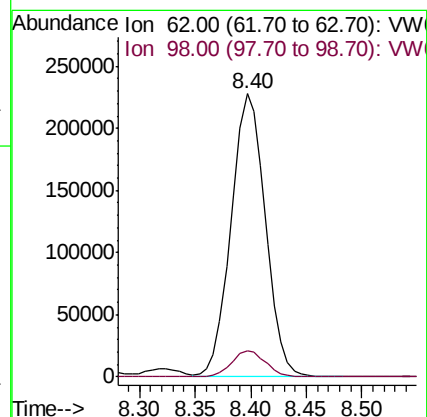
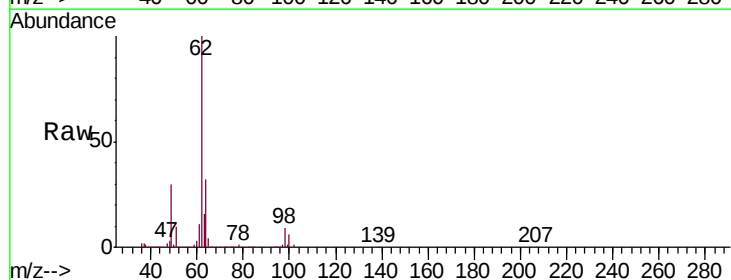
Acq: 05 Feb 2020 16:10

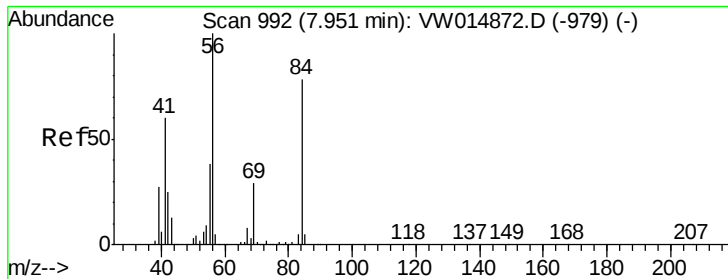
Tgt Ion: 62 Resp: 487465

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8

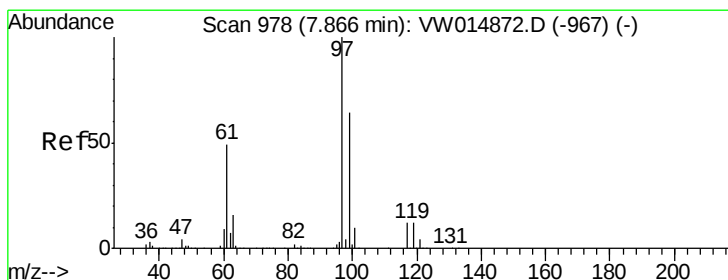
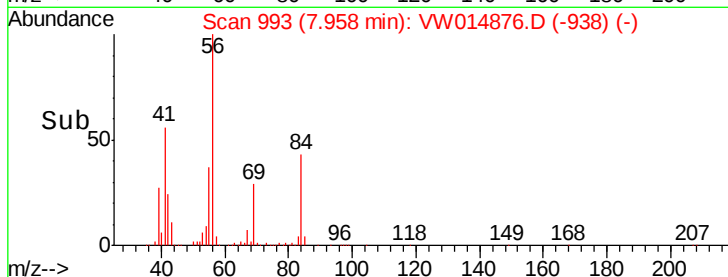
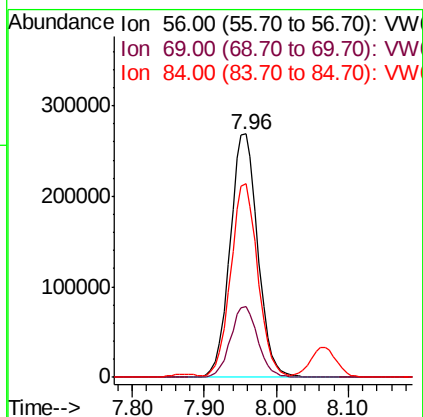
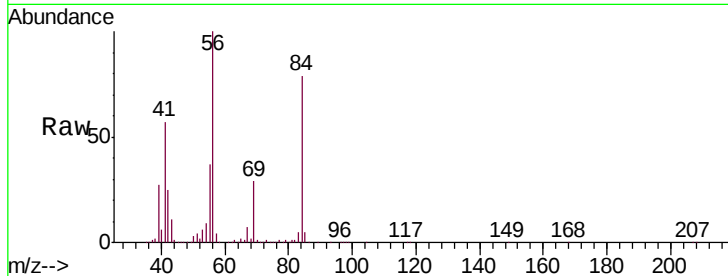




#30
Cyclohexane
Concen: 25.904 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

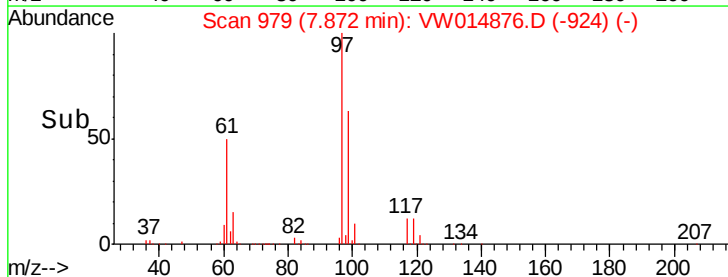
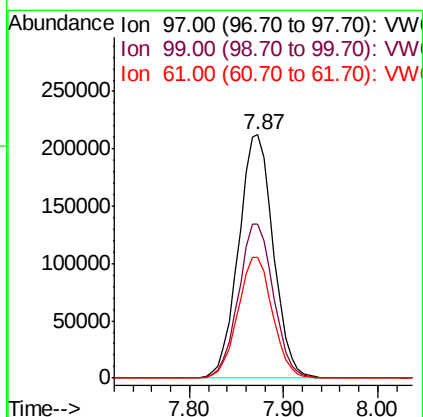
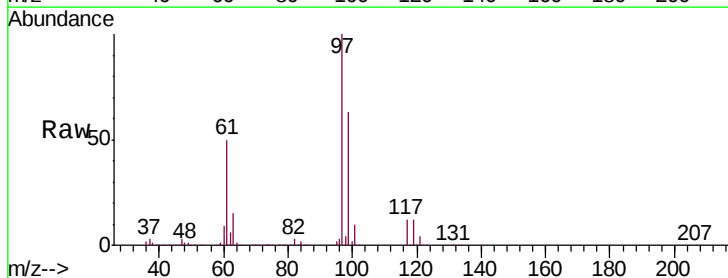
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

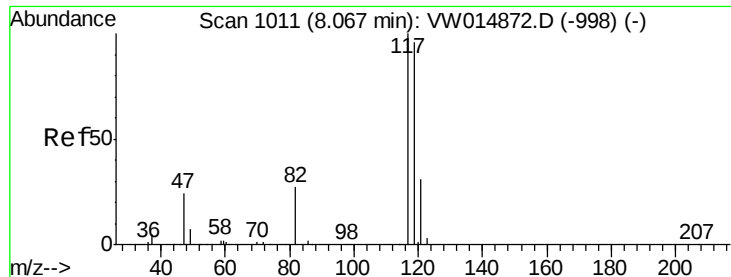
Tgt Ion: 56 Resp: 718406
Ion Ratio Lower Upper
56 100
69 28.6 22.9 34.3
84 78.0 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 25.748 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Tgt Ion: 97 Resp: 546440
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 49.7 38.9 58.3





#32

Carbon tetrachloride

Concen: 25.716 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

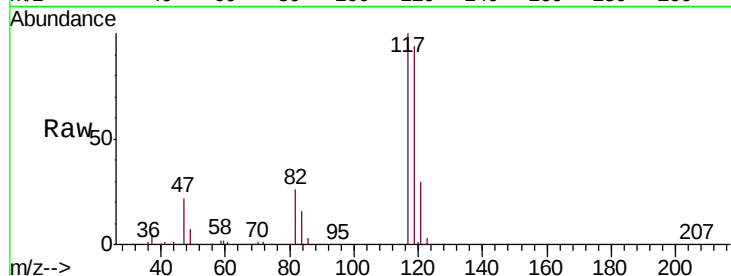
VSTD02513

Tgt Ion:117 Resp: 490603

Ion Ratio Lower Upper

117 100

119 96.0 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

200000

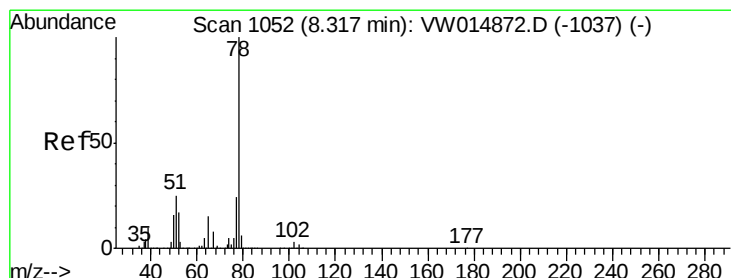
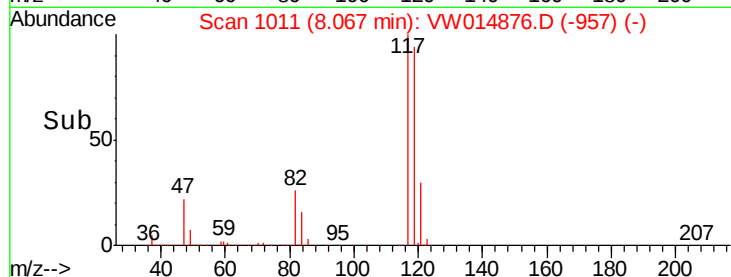
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.352 ug/L

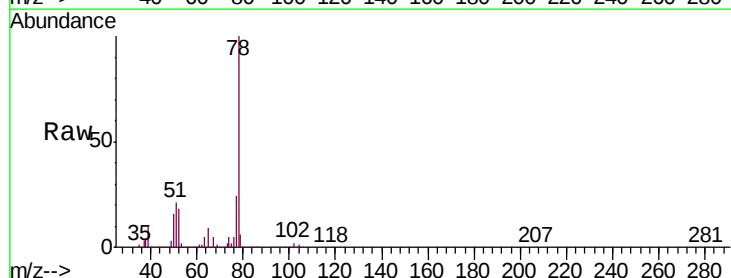
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Tgt Ion: 78 Resp: 1686651



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

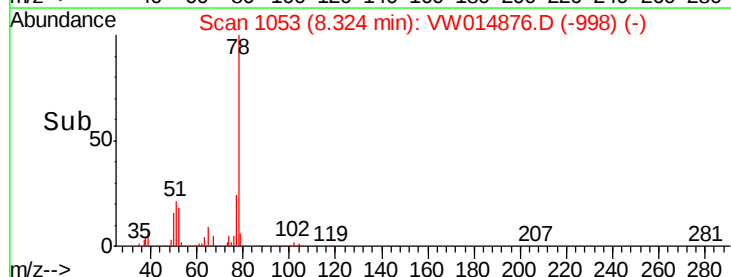
600000

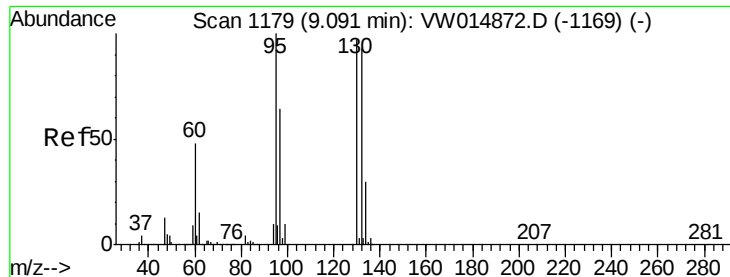
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 26.092 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 95 Resp: 413950

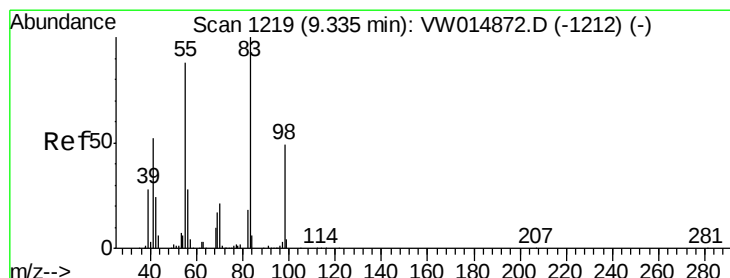
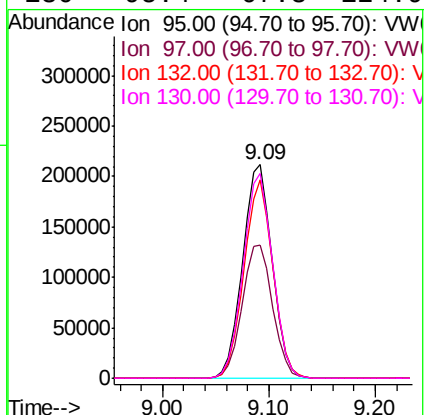
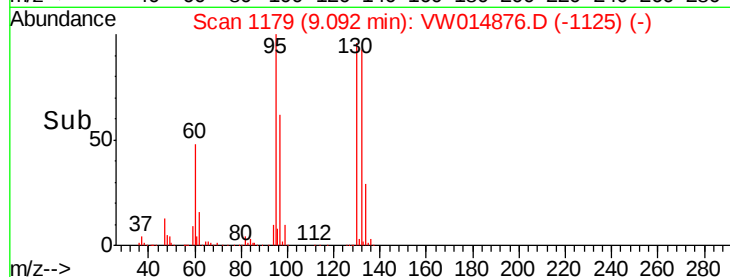
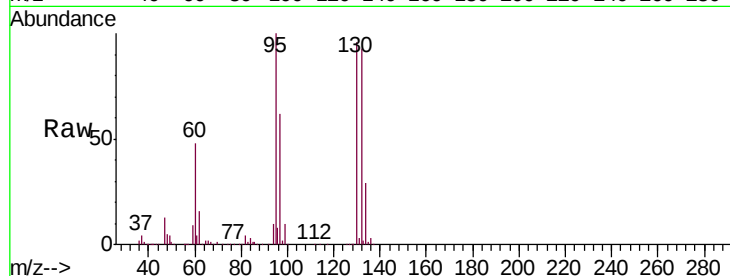
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.5

132 90.6 63.6 118.0

130 95.4 67.3 124.9



#36

Methylcyclohexane

Concen: 23.972 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

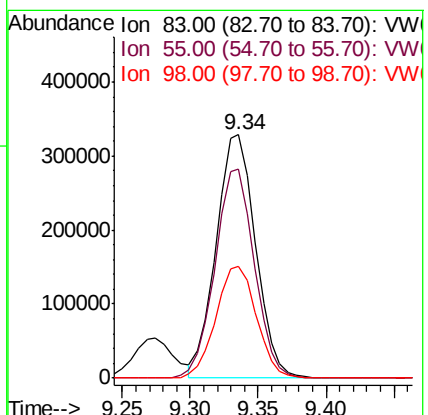
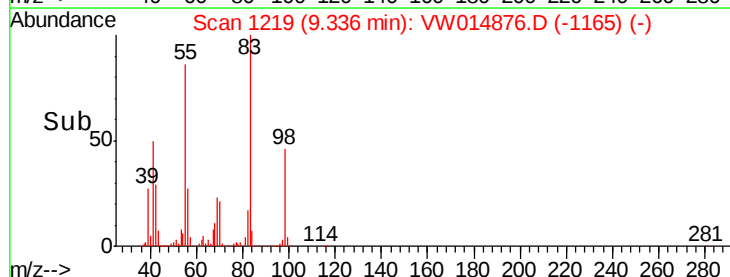
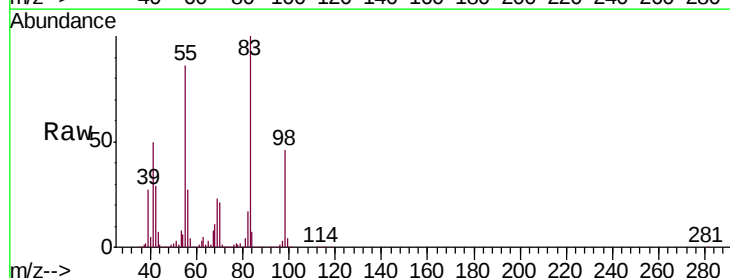
Tgt Ion: 83 Resp: 662491

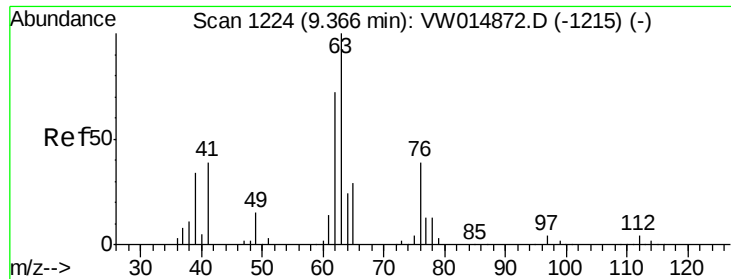
Ion Ratio Lower Upper

83 100

55 85.9 68.0 102.0

98 47.1 37.8 56.6

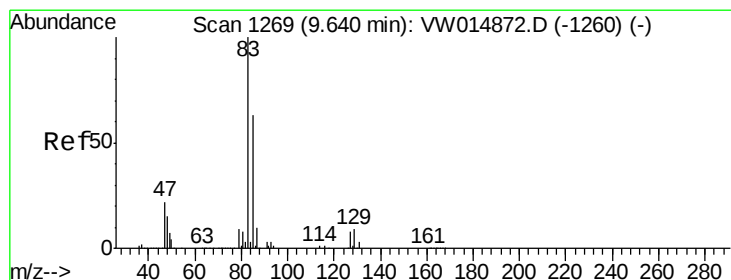
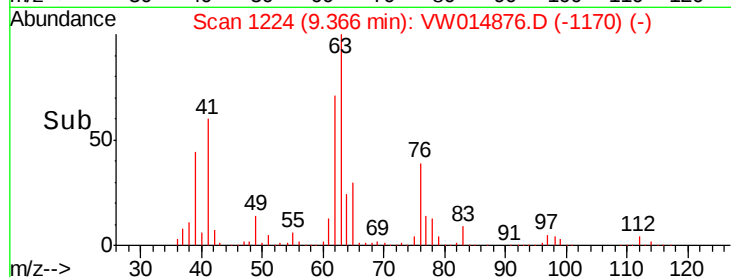
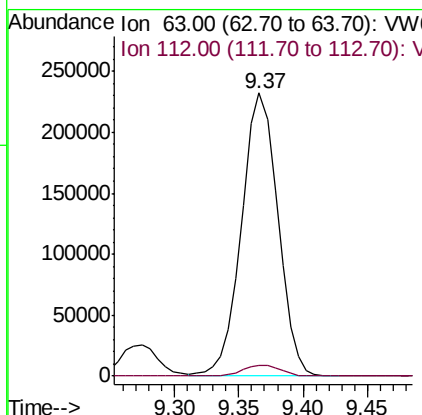
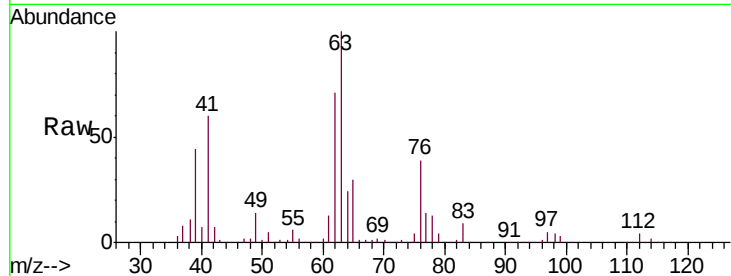




#40
 1,2-Dichloropropane
 Concen: 26.574 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014876.D
 Acq: 05 Feb 2020 16:10

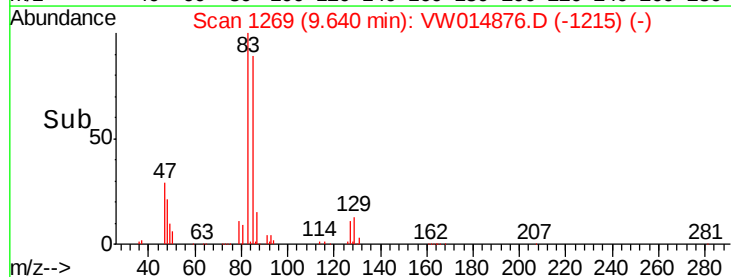
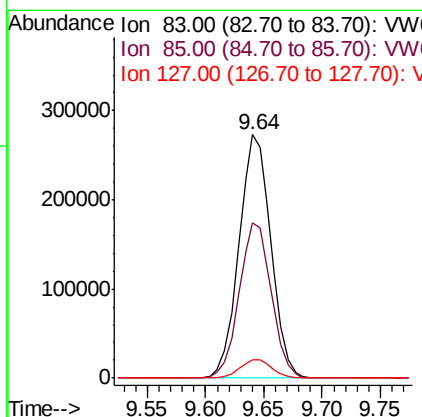
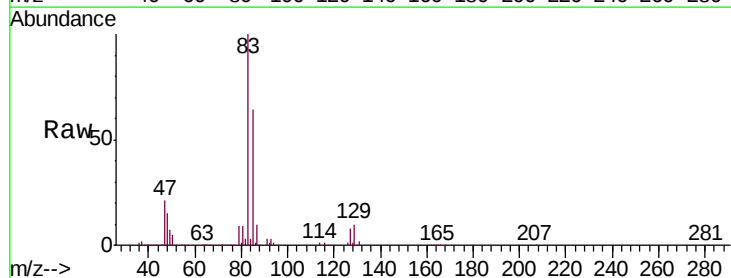
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02513

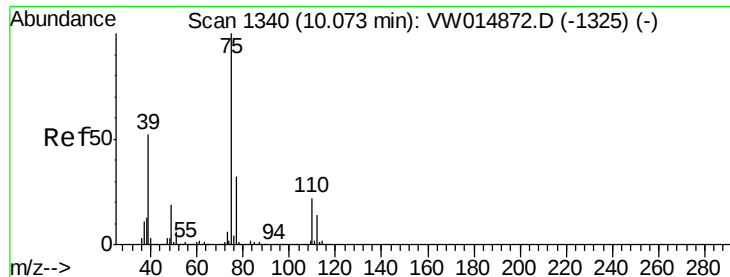
Tgt Ion: 63 Resp: 455155
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.526 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014876.D
 Acq: 05 Feb 2020 16:10

Tgt Ion: 83 Resp: 520688
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.2 82.0
 127 7.6 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 26.992 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

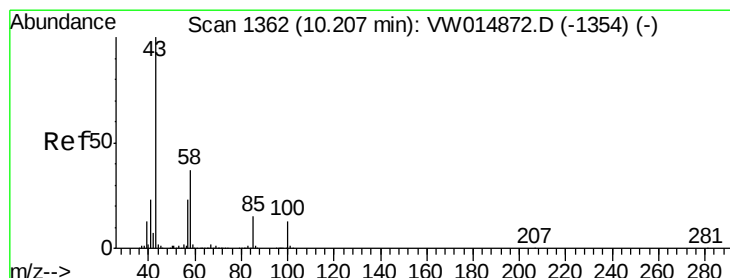
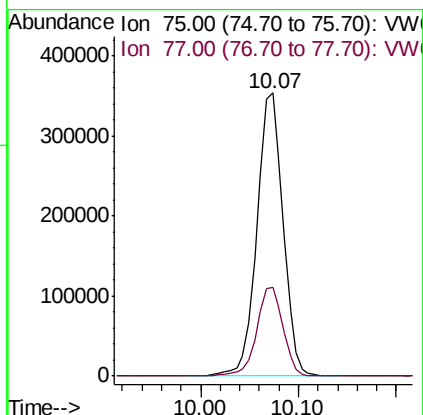
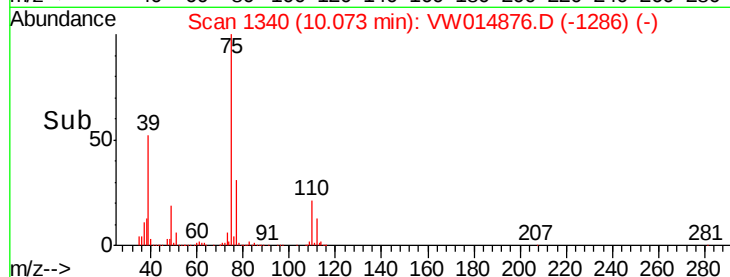
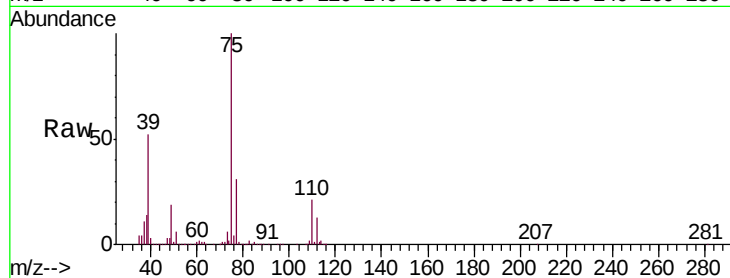
VSTD02513

Tgt Ion: 75 Resp: 656486

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 49.927 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

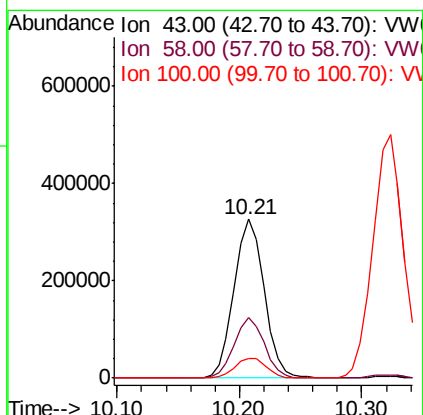
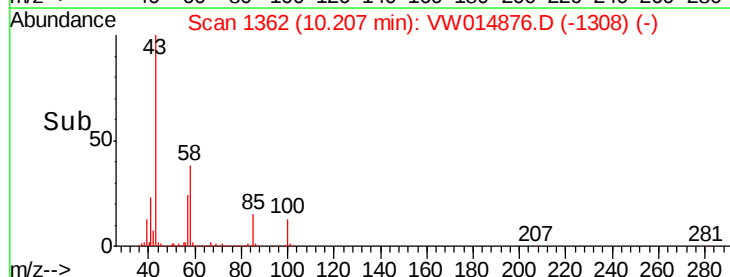
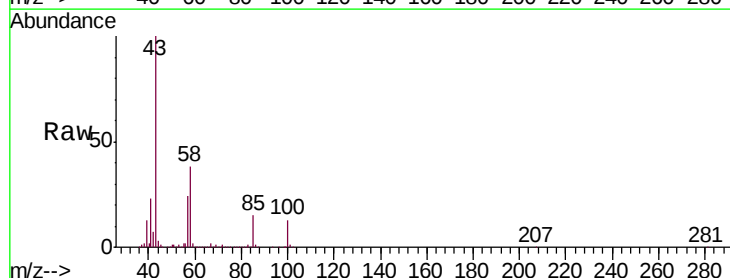
Tgt Ion: 43 Resp: 560739

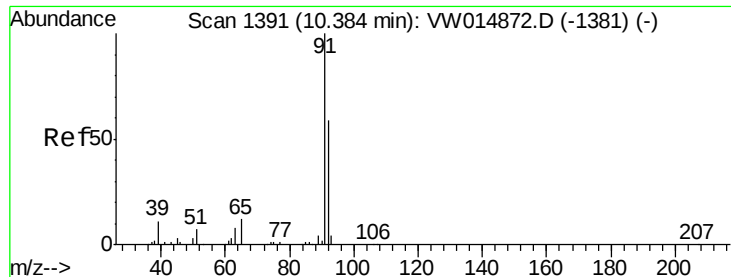
Ion Ratio Lower Upper

43 100

58 37.7 30.0 45.0

100 13.0 10.6 15.8





#44

Toluene

Concen: 26.883 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampled :

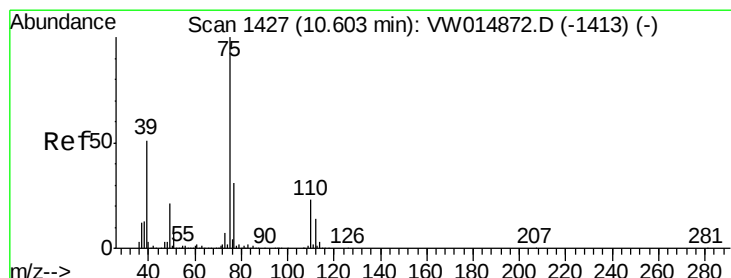
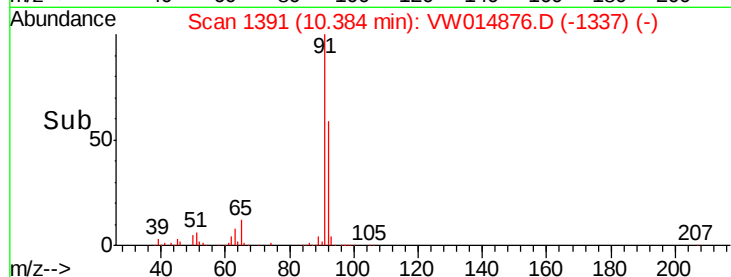
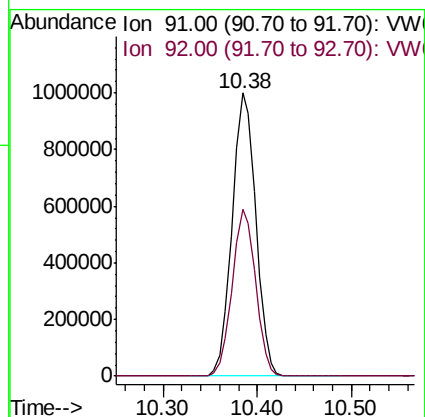
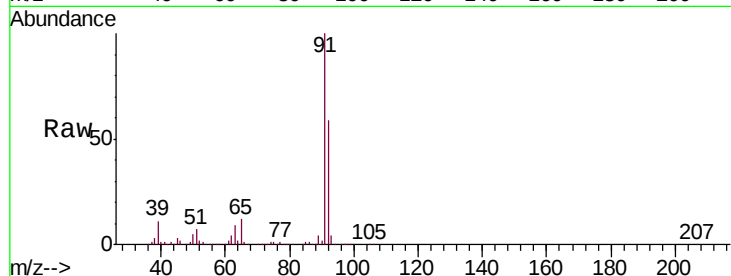
VSTD02513

Tgt Ion: 91 Resp: 1746739

Ion Ratio Lower Upper

91 100

92 58.8 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 26.403 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014876.D

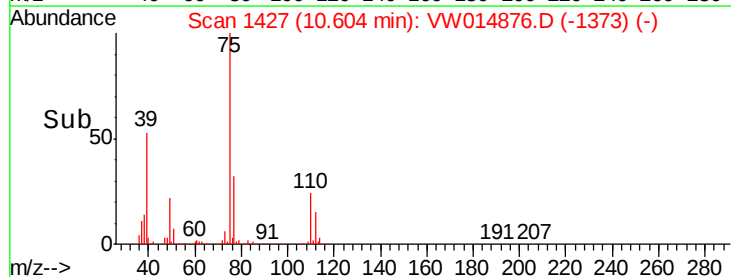
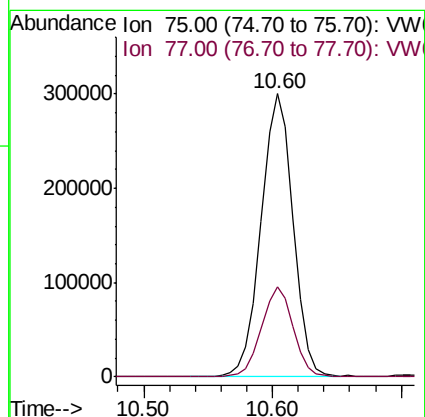
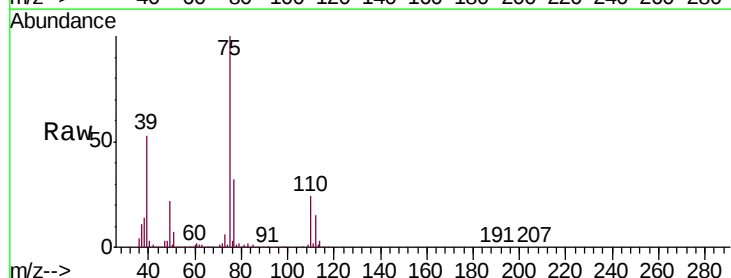
Acq: 05 Feb 2020 16:10

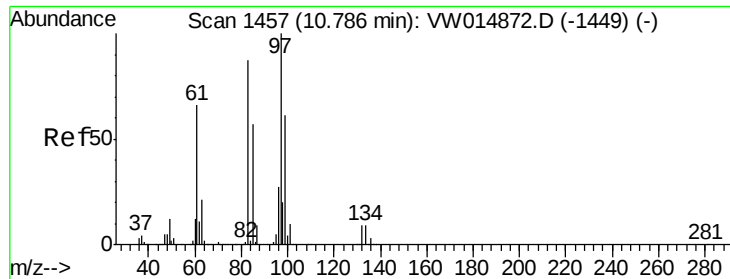
Tgt Ion: 75 Resp: 517118

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.864 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 97 Resp: 291630

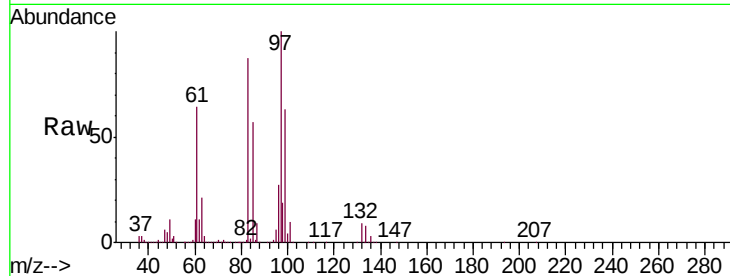
Ion Ratio Lower Upper

97 100

83 86.8 60.8 112.8

85 56.8 39.9 74.1

99 63.0 42.8 79.6



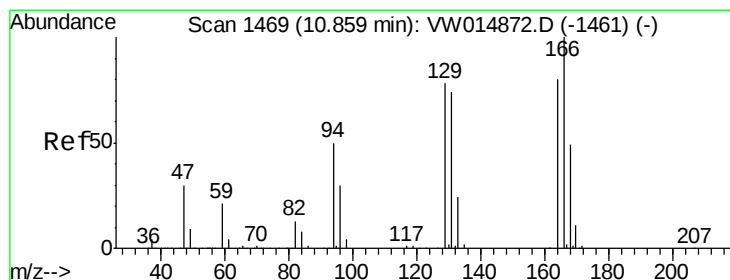
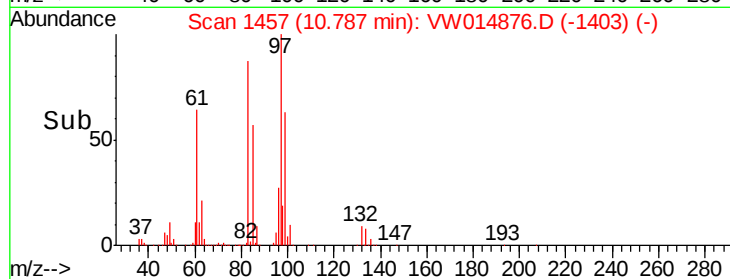
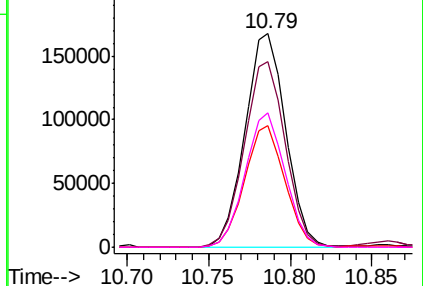
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.343 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Tgt Ion: 164 Resp: 283780

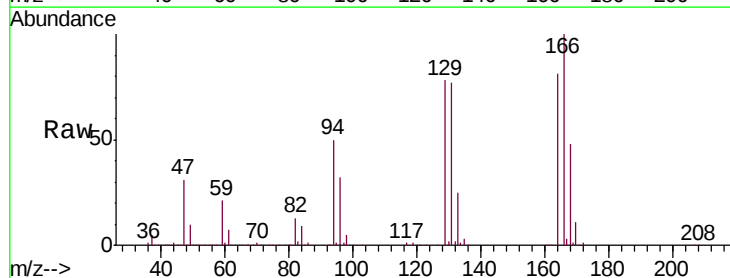
Ion Ratio Lower Upper

164 100

129 96.7 67.5 125.4

131 95.3 64.0 119.0

166 123.9 87.0 161.6



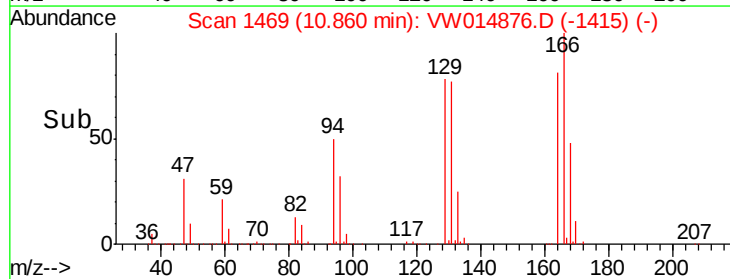
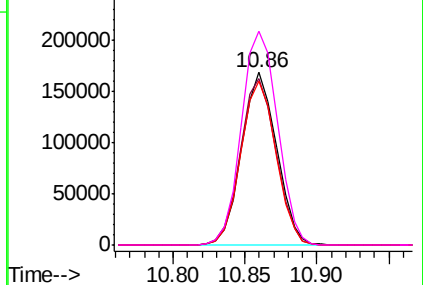
Abundance

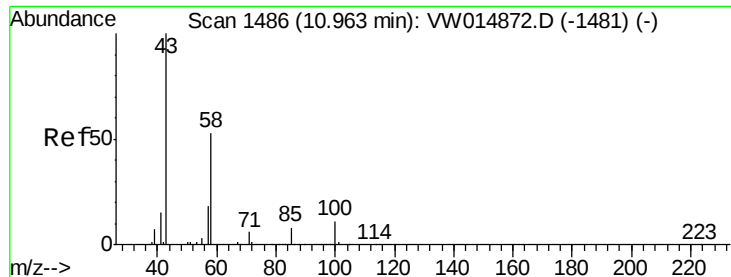
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

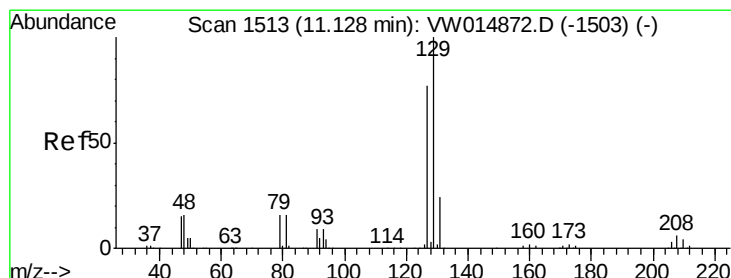
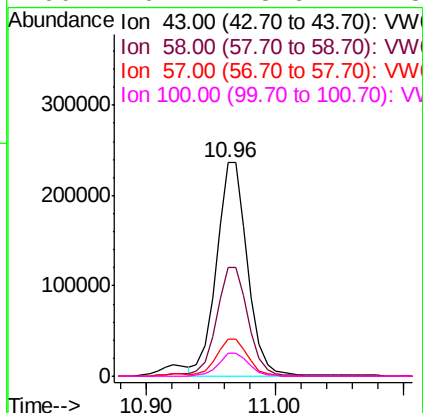
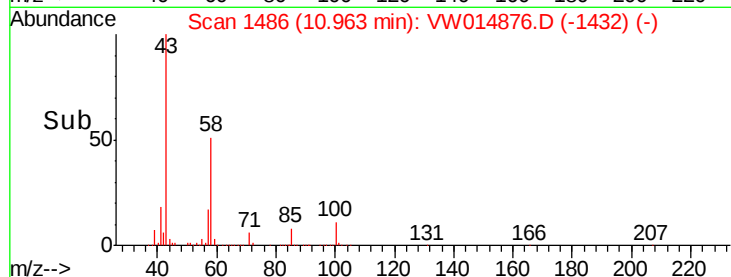
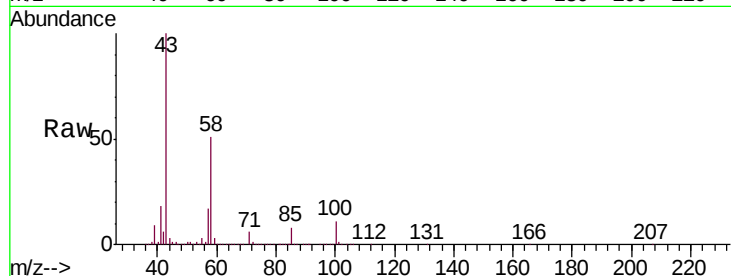




#49
2-Hexanone
Concen: 50.583 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

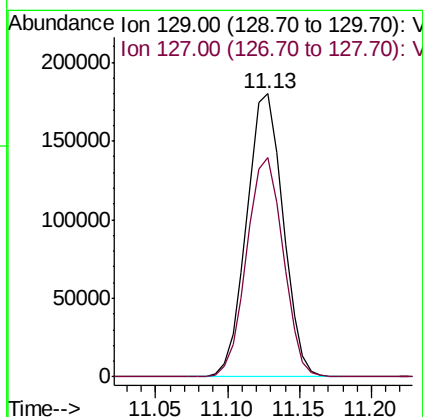
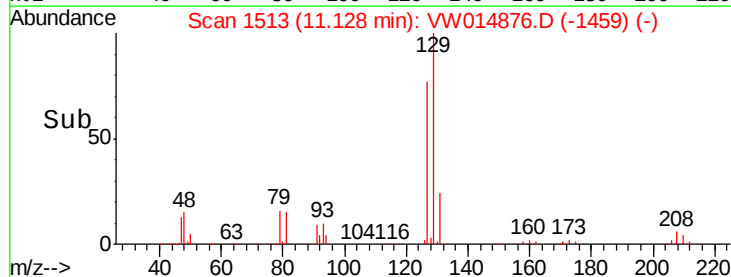
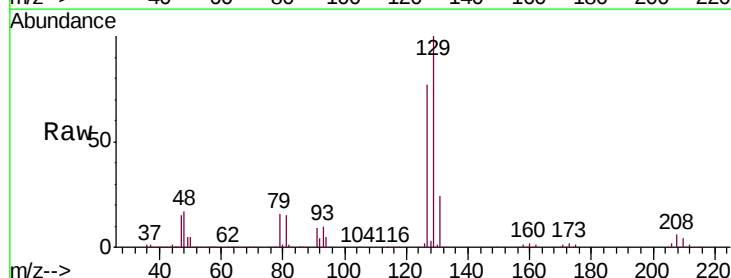
Instrument :
MSVOA_W
ClientSampled :
VSTD02513

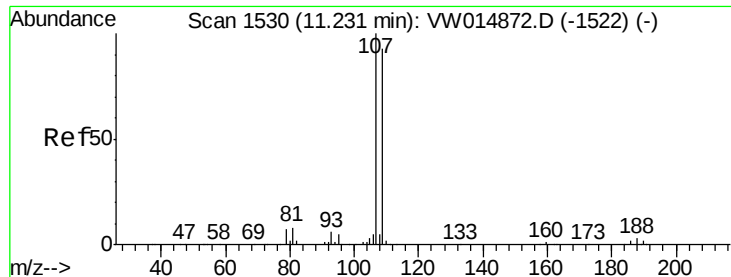
Tgt Ion: 43 Resp: 399048
Ion Ratio Lower Upper
43 100
58 52.1 42.2 63.2
57 17.7 14.5 21.7
100 10.7 8.6 12.8



#50
Dibromochloromethane
Concen: 26.051 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Tgt Ion: 129 Resp: 315685
Ion Ratio Lower Upper
129 100
127 77.3 54.1 100.5

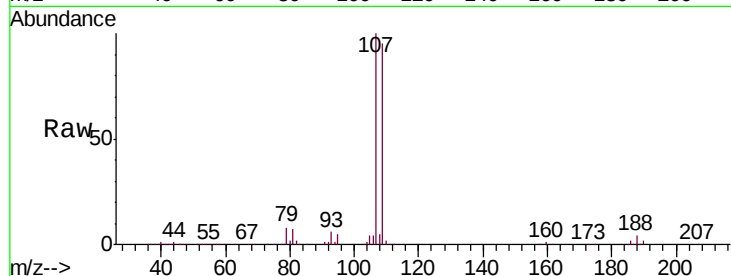




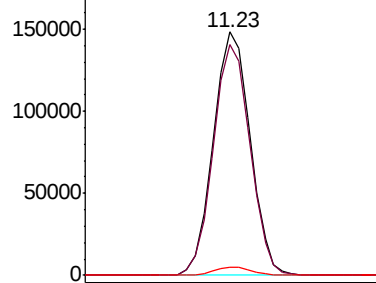
#51
1,2-Dibromoethane
Concen: 25.111 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

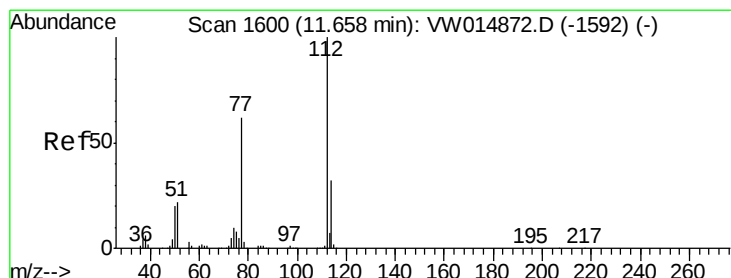
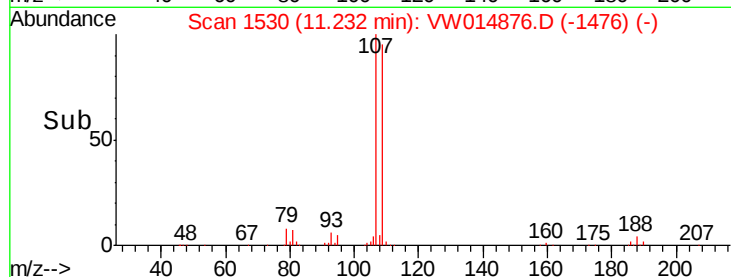
Tgt Ion:107 Resp: 263445
Ion Ratio Lower Upper
107 100
109 94.7 65.0 120.6
188 3.6 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V
200000 Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

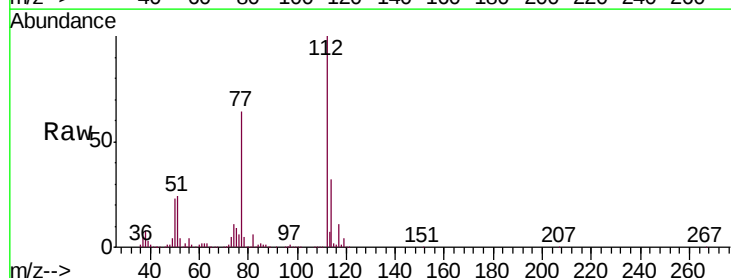


Time-->

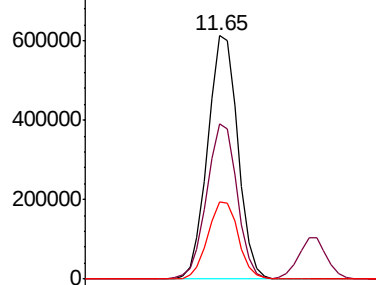


#52
Chlorobenzene
Concen: 26.236 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

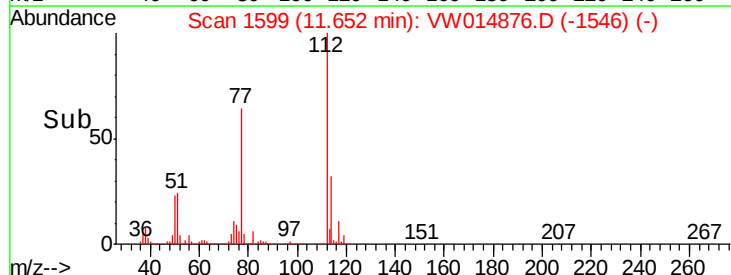
Tgt Ion:112 Resp: 1042239
Ion Ratio Lower Upper
112 100
77 63.8 49.9 74.9
114 31.5 22.7 42.1

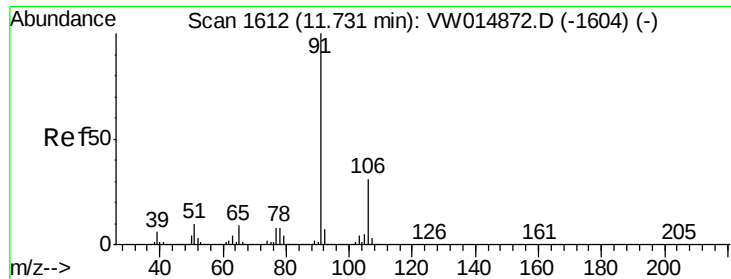


Abundance Ion 112.00 (111.70 to 112.70): V
800000 Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V



Time-->

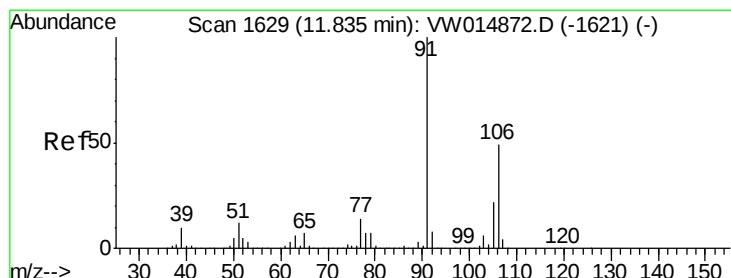
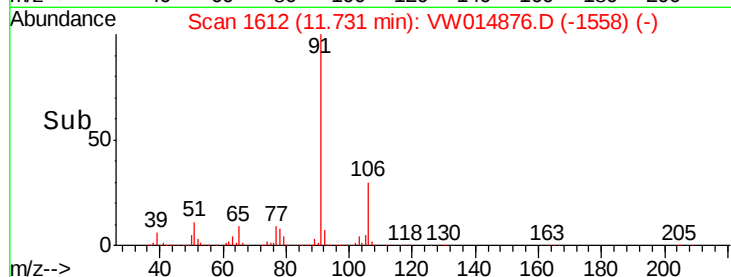
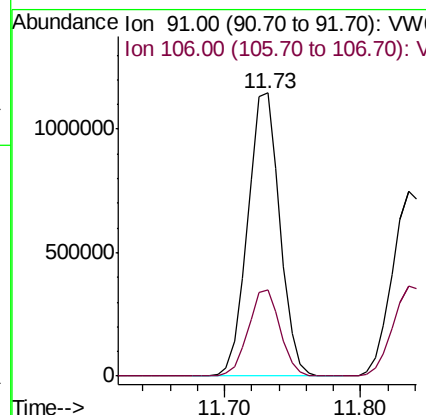
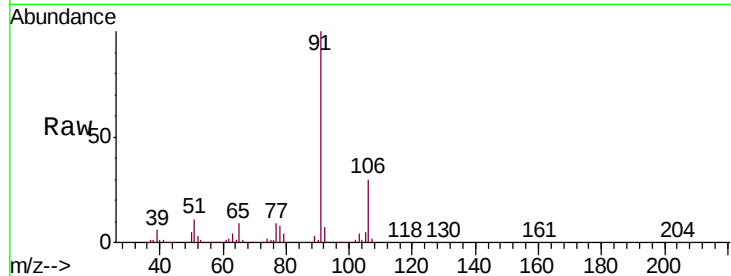




#53
Ethylbenzene
Concen: 26.648 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

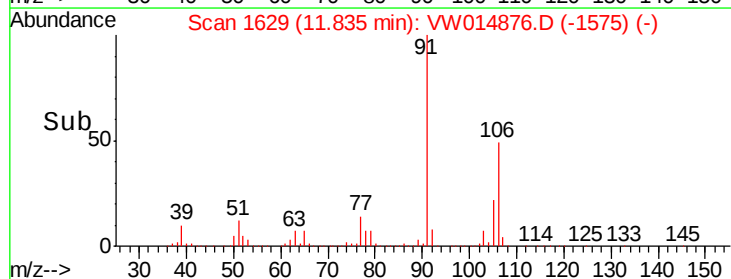
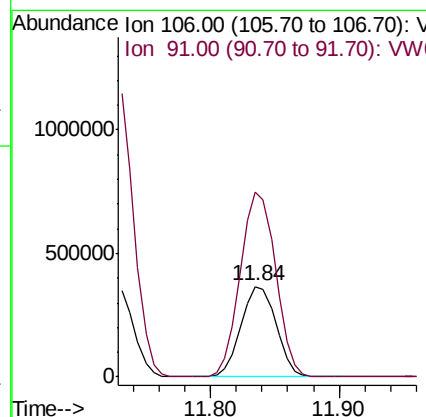
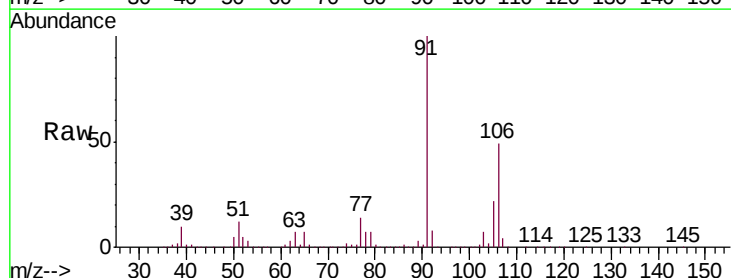
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

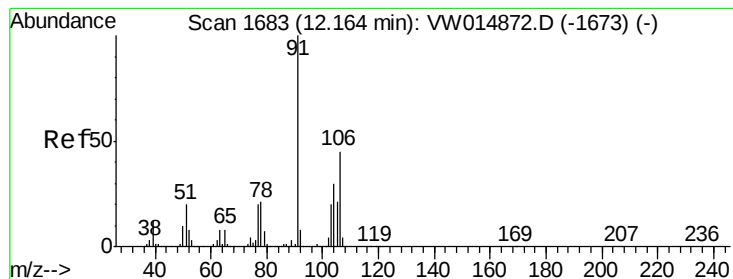
Tgt Ion: 91 Resp: 1894196
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#54
m,p-Xylene
Concen: 26.787 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014876.D
Acq: 05 Feb 2020 16:10

Tgt Ion: 106 Resp: 695525
Ion Ratio Lower Upper
106 100
91 204.2 143.4 266.4





#55

o-xylene

Concen: 26.886 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampled :

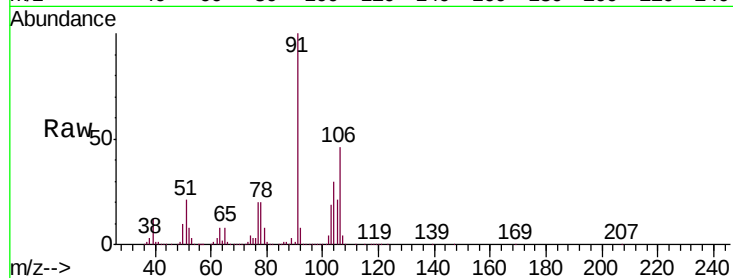
VSTD02513

Tgt Ion:106 Resp: 664381

Ion Ratio Lower Upper

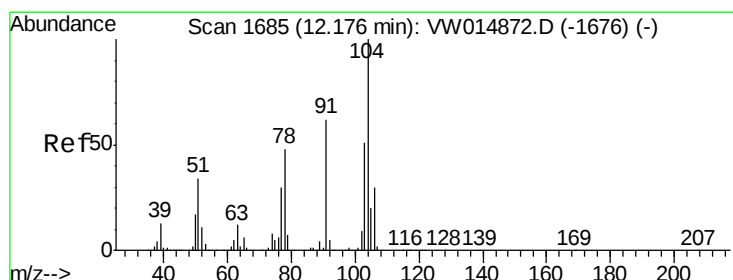
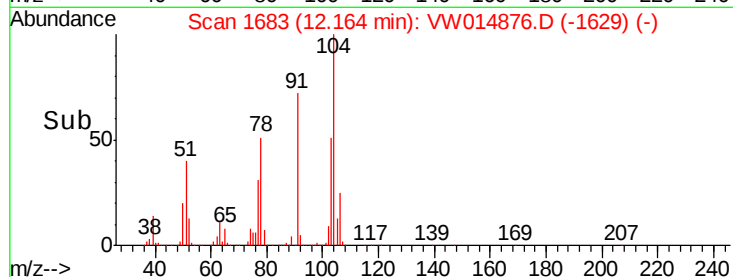
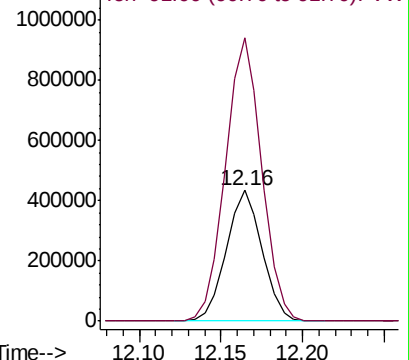
106 100

91 216.6 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.364 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014876.D

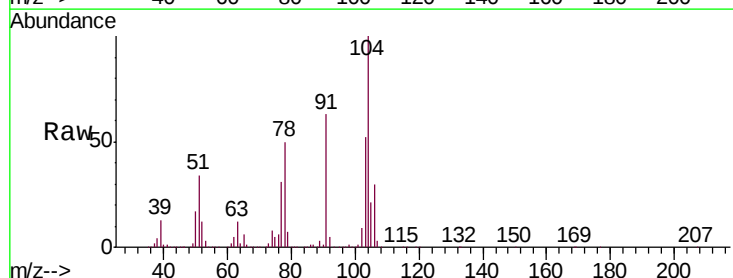
Acq: 05 Feb 2020 16:10

Tgt Ion:104 Resp: 1142820

Ion Ratio Lower Upper

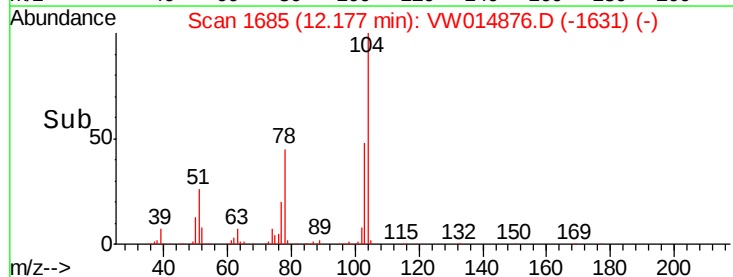
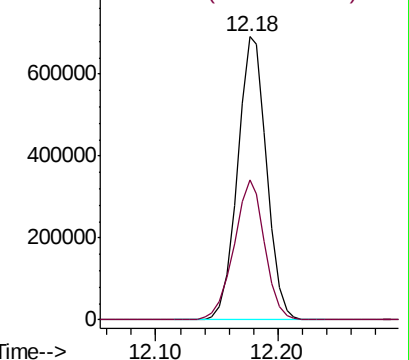
104 100

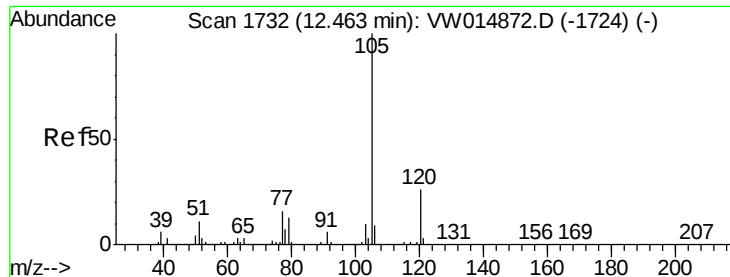
78 49.6 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.373 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

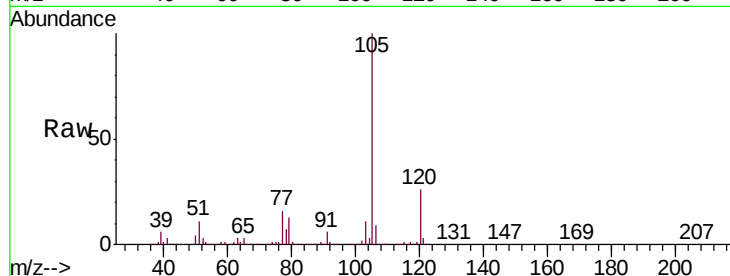
Tgt Ion: 105 Resp: 1750237

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

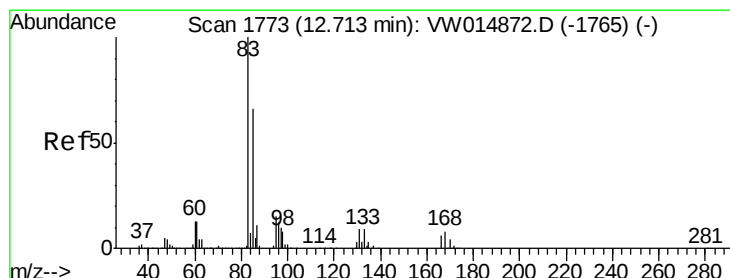
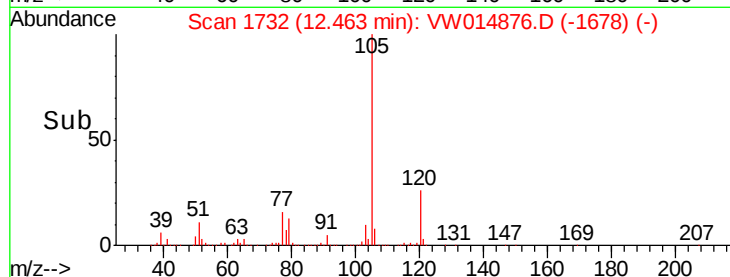
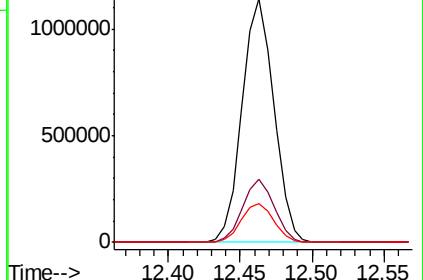
77 16.3 13.1 19.7



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: 24.948 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

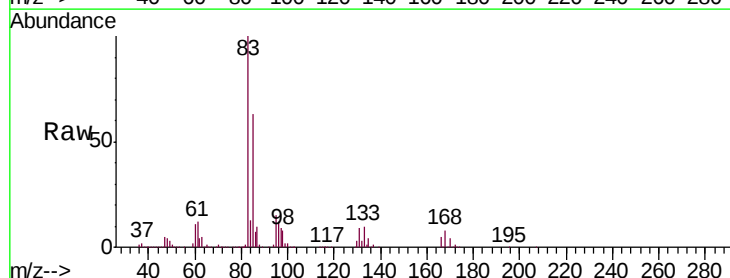
Tgt Ion: 83 Resp: 351116

Ion Ratio Lower Upper

83 100

85 63.2 45.9 85.3

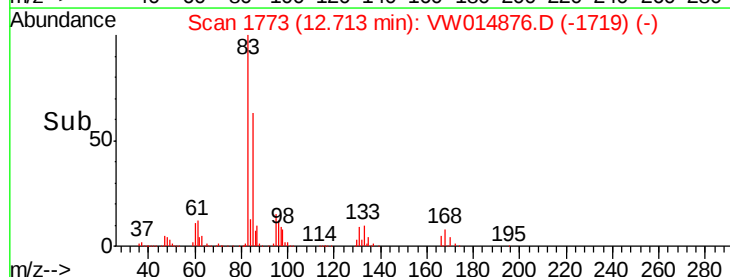
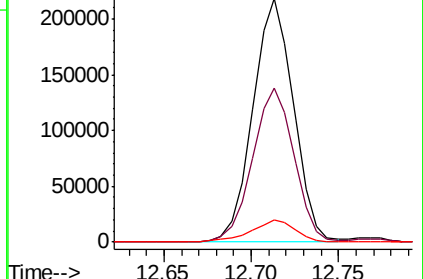
131 9.2 7.3 10.9

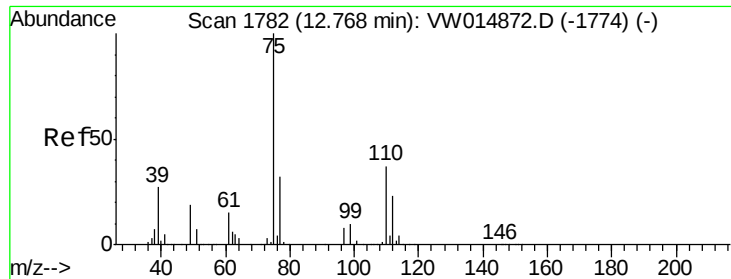


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.691 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampleId :

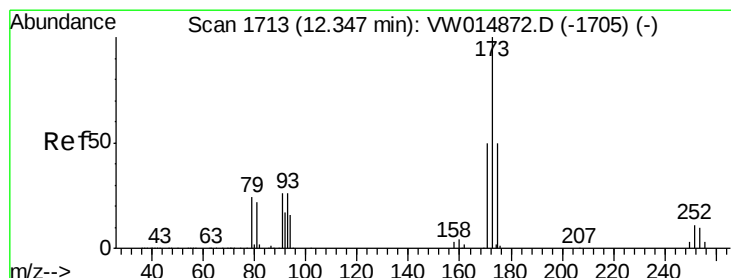
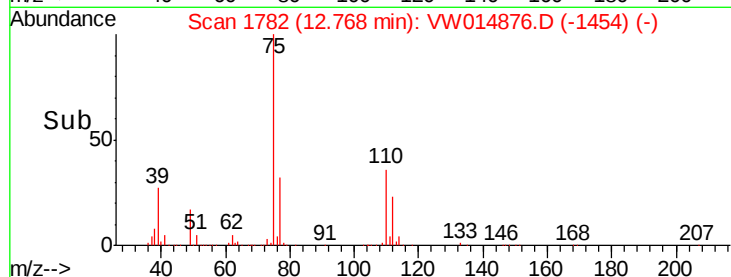
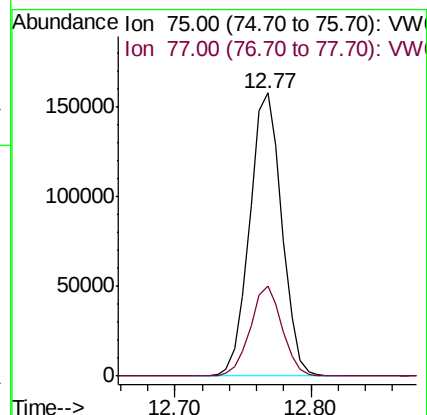
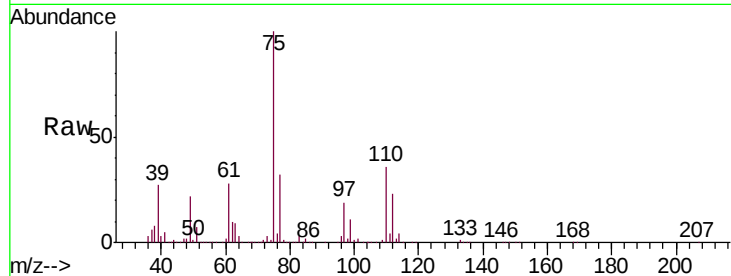
VSTD02513

Tgt Ion: 75 Resp: 261428

Ion Ratio Lower Upper

75 100

77 31.3 25.9 38.9



#62

Bromoform

Concen: 25.849 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

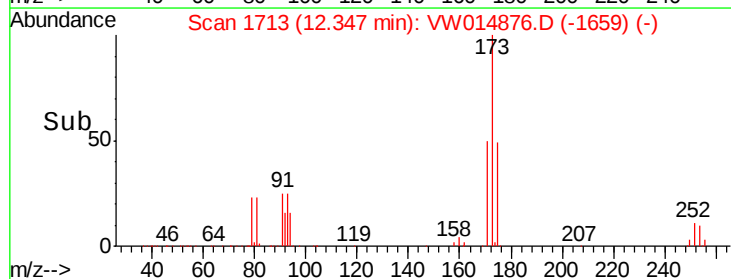
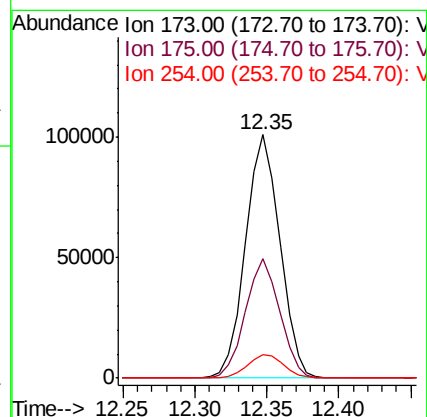
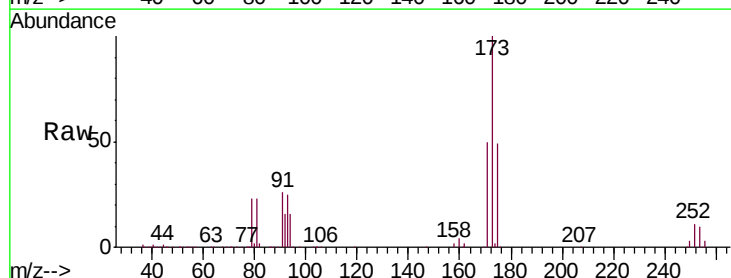
Tgt Ion: 173 Resp: 167300

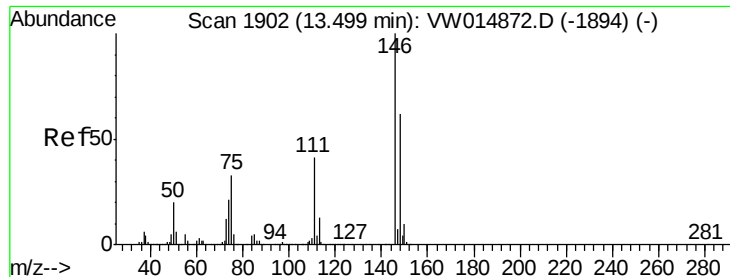
Ion Ratio Lower Upper

173 100

175 48.9 38.9 58.3

254 10.1 7.8 11.8





#63

1,3-Dichlorobenzene

Concen: 25.612 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

Instrument :

MSVOA_W

ClientSampled :

VSTD02513

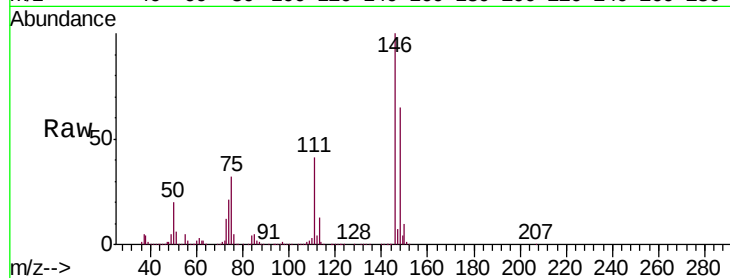
Tgt Ion:146 Resp: 734554

Ion Ratio Lower Upper

146 100

111 40.6 28.6 53.0

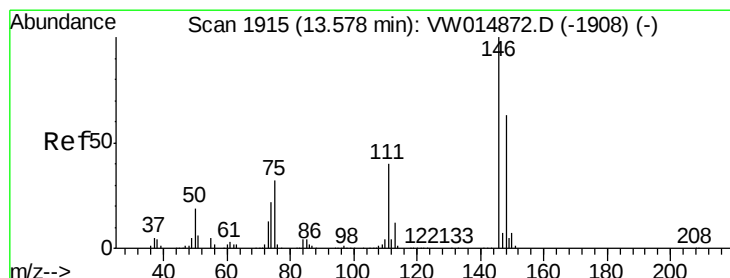
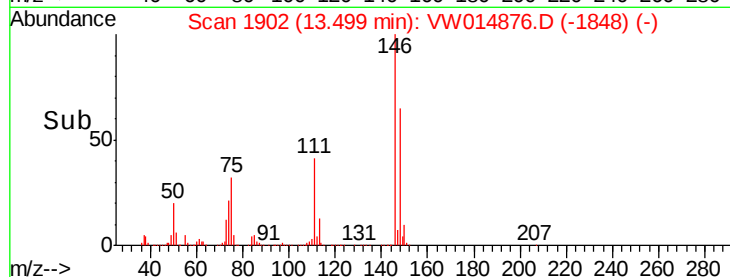
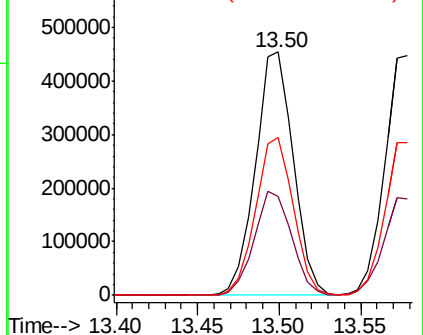
148 64.7 43.3 80.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.564 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014876.D

Acq: 05 Feb 2020 16:10

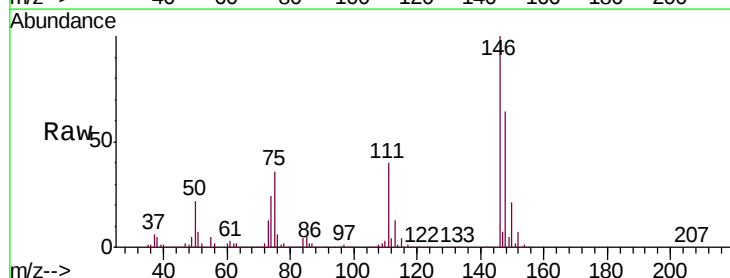
Tgt Ion:146 Resp: 738543

Ion Ratio Lower Upper

146 100

111 40.3 27.9 51.7

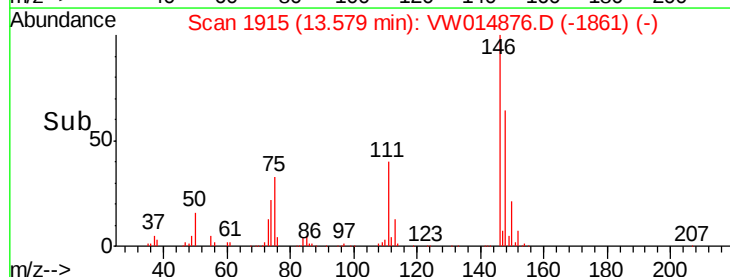
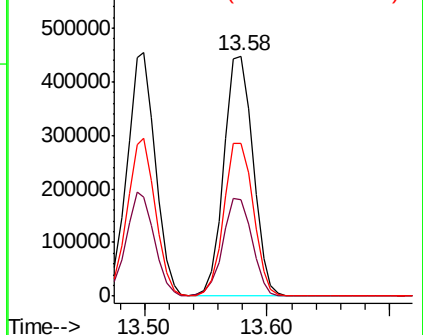
148 63.7 44.0 81.8

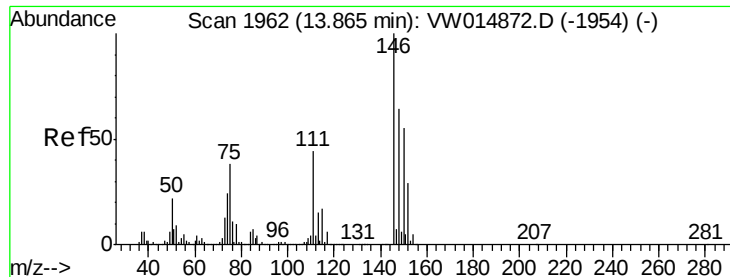


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

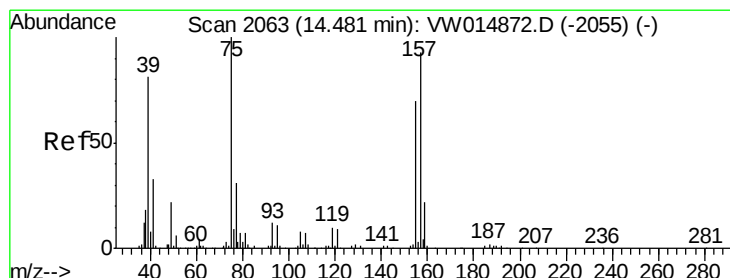
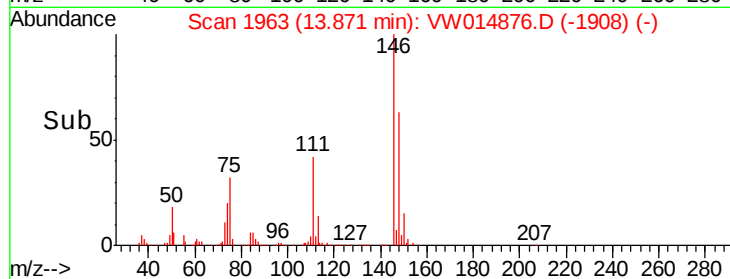
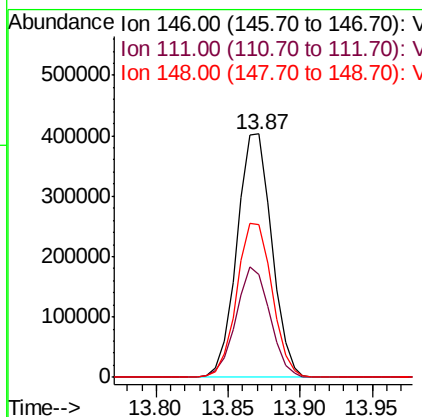
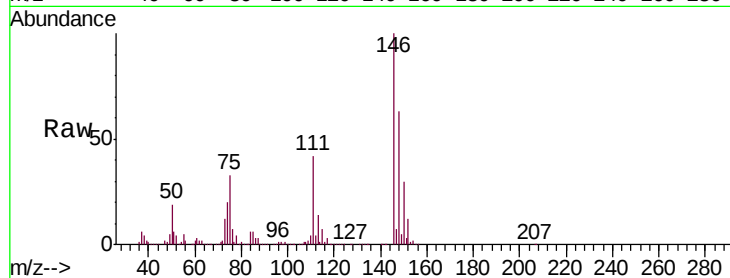




#65
 1,2-Dichlorobenzene
 Concen: 25.805 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014876.D
 Acq: 05 Feb 2020 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion: 146 Resp: 676933
 Ion Ratio Lower Upper
 146 100
 111 42.3 35.0 52.6
 148 62.7 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.349 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014876.D
 Acq: 05 Feb 2020 16:10

Tgt Ion: 75 Resp: 54461
 Ion Ratio Lower Upper
 75 100
 157 93.8 74.2 111.4
 155 69.4 56.1 84.1

