

Data File : VW010091.D
Acq On : 23 Apr 2019 09:36
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Apr 24 03:50:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 06:06:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	818997	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	750543	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	365975	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	192075	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	2.89	69	151888	19.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.52%
10) 1,1-Dichloroethene-d2	4.01	63	553234	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.08%
20) 2-Butanone-d5	7.07	46	156567	37.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.80%
24) Chloroform-d	7.65	84	508438	21.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.88%
26) 1,2-Dichloroethane-d4	8.31	65	285175	19.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.64%
29) Benzene-d6	8.27	84	988288	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	301649	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.84%
37) Toluene-d8	10.32	98	902401	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.92%
38) trans-1,3-Dichloropropene-	10.58	79	134608	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.44%
39) 2-Hexanone-d5	10.93	63	122362	42.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	242706	19.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	308516	22.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	305994	26.630 ug/L	94
3) Chloromethane	2.21	50	231959	22.147 ug/L	97
5) Vinyl chloride	2.37	62	275915	28.005 ug/L	100
6) Bromomethane	2.78	94	155373	21.354 ug/L	98
8) Chloroethane	2.93	64	160772	22.731 ug/L	99
9) Trichlorofluoromethane	3.26	101	160602	19.800 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	273825	25.928 ug/L #	83
12) 1,1-Dichloroethene	4.04	96	277639	28.079 ug/L	85
13) Acetone	4.12	43	150755	40.493 ug/L	98
14) Carbon disulfide	4.38	76	808554	28.847 ug/L	98
16) Methylene chloride	4.92	84	282643	19.060 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	353292	24.414 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	287957	25.733 ug/L	98
19) 1,1-Dichloroethane	6.21	63	553516	24.815 ug/L	98
21) 2-Butanone	7.17	43	196043	40.213 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	306170	25.212 ug/L	98
23) Bromochloromethane	7.51	128	131857	23.314 ug/L	92

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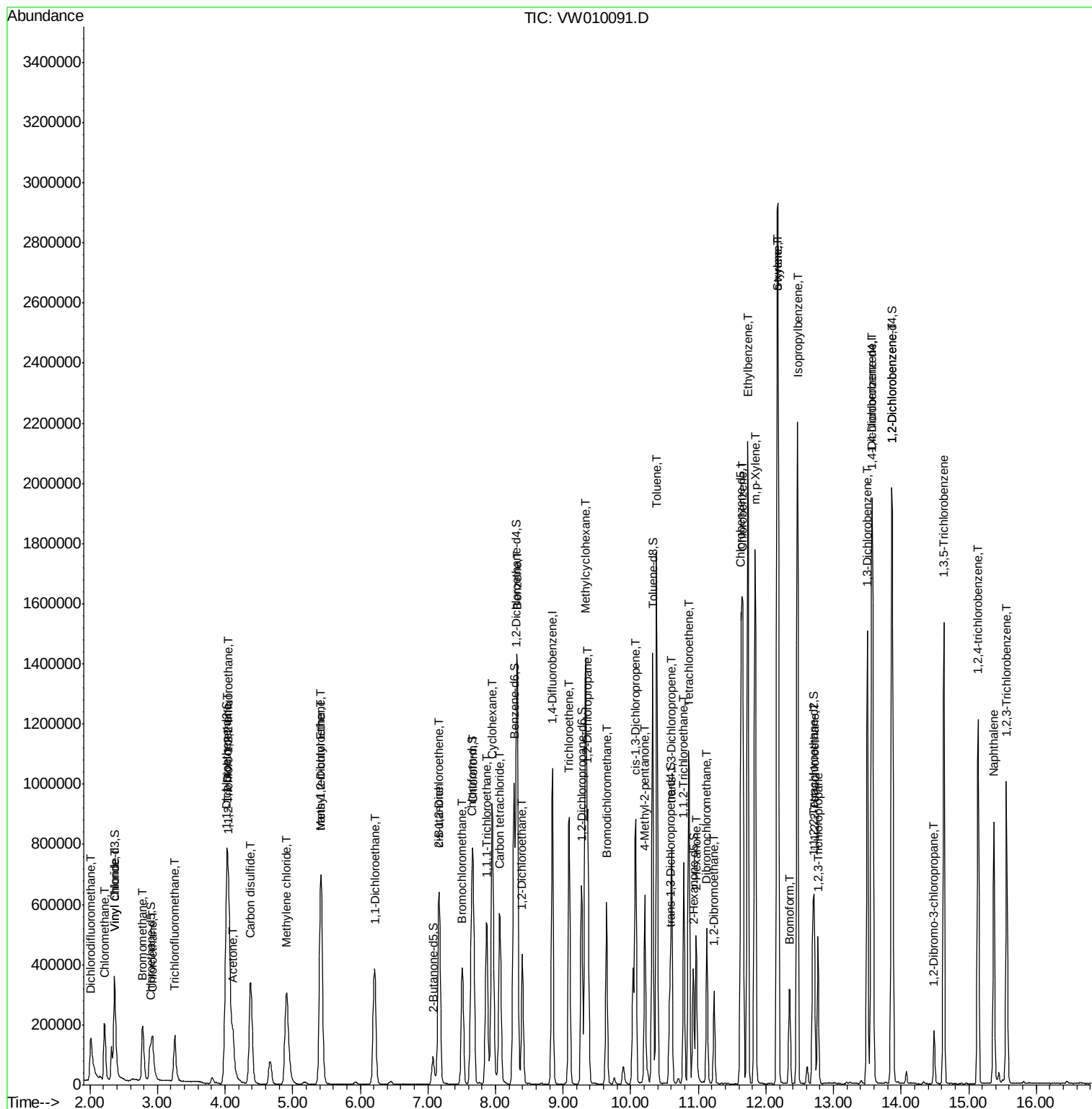
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	546664	23.951	ug/L	100
27) 1,2-Dichloroethane	8.40	62	385560	21.942	ug/L	100
30) Cyclohexane	7.95	56	520048	30.658	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	437042	27.882	ug/L	99
32) Carbon tetrachloride	8.07	117	430003	27.941	ug/L	98
34) Benzene	8.32	78	1183487	26.767	ug/L	100
35) Trichloroethene	9.09	95	306592	26.669	ug/L	99
36) Methylcyclohexane	9.34	83	542265	29.359	ug/L	98
40) 1,2-Dichloropropane	9.37	63	304331	26.026	ug/L	100
41) Bromodichloromethane	9.64	83	390199	24.442	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	477434	26.484	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	426036	44.238	ug/L	98
44) Toluene	10.39	91	1279862	27.286	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	397847	24.994	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	212918	23.348	ug/L	98
47) Tetrachloroethene	10.86	164	242425	26.996	ug/L	98
49) 2-Hexanone	10.97	43	317481	46.404	ug/L	99
50) Dibromochloromethane	11.13	129	255674	23.619	ug/L	97
51) 1,2-Dibromoethane	11.24	107	205525	23.024	ug/L	98
52) Chlorobenzene	11.66	112	782996	25.582	ug/L	99
53) Ethylbenzene	11.73	91	1440887	27.484	ug/L	99
54) m,p-Xylene	11.84	106	533730	27.832	ug/L	95
55) o-xylene	12.17	106	502418	27.316	ug/L	99
56) Styrene	12.18	104	871022	27.052	ug/L	99
57) Isopropylbenzene	12.47	105	1404683	28.673	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	264125	22.017	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	196763	21.916	ug/L	100
62) Bromoform	12.35	173	140631	21.882	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	592416	26.792	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	613410	25.816	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	549139	25.311	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	44858	20.431	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	449755	27.769	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	363159	27.371	ug/L	99
69) Naphthalene	15.38	128	716153	25.149	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	332315	26.250	ug/L	100

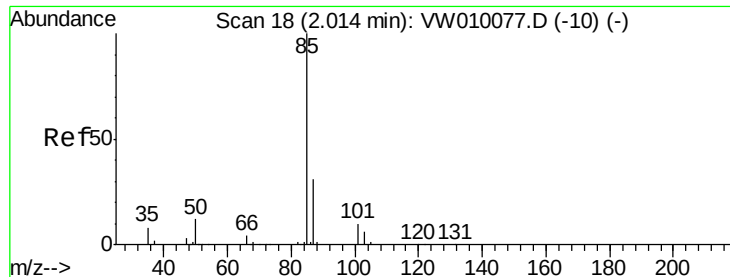
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.630 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

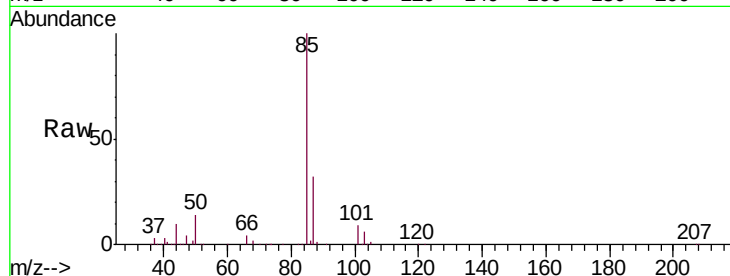
VSTD02511

Tgt Ion: 85 Resp: 305994

Ion Ratio Lower Upper

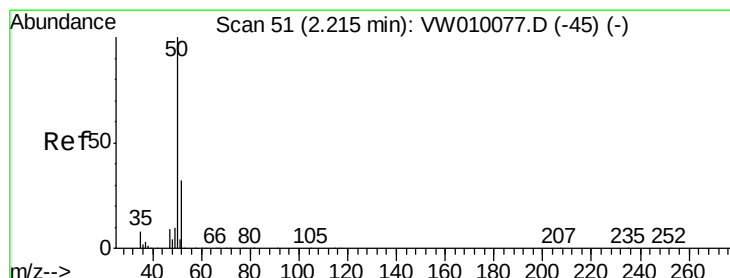
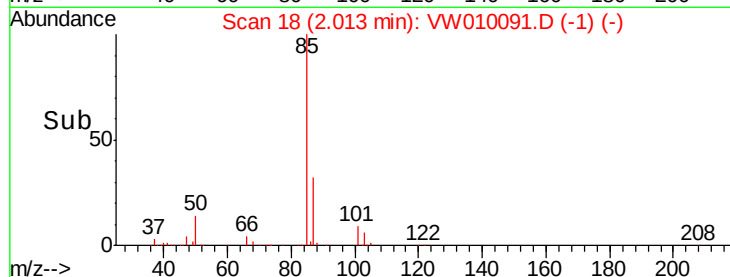
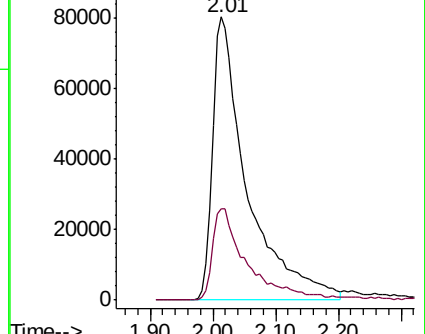
85 100

87 29.1 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.147 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010091.D

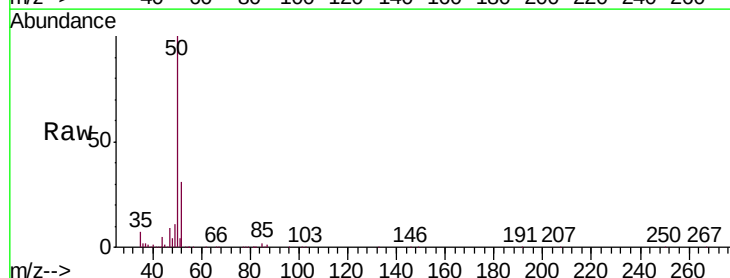
Acq: 23 Apr 2019 09:36

Tgt Ion: 50 Resp: 231959

Ion Ratio Lower Upper

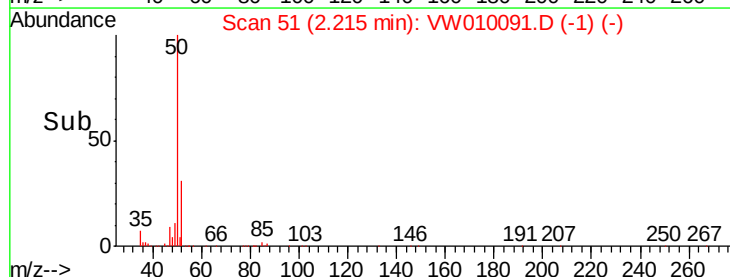
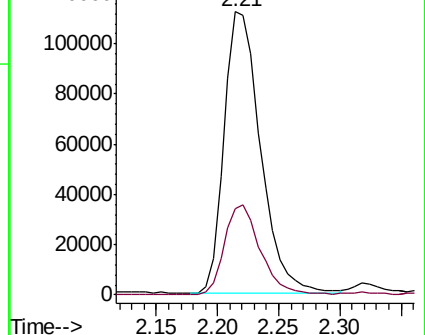
50 100

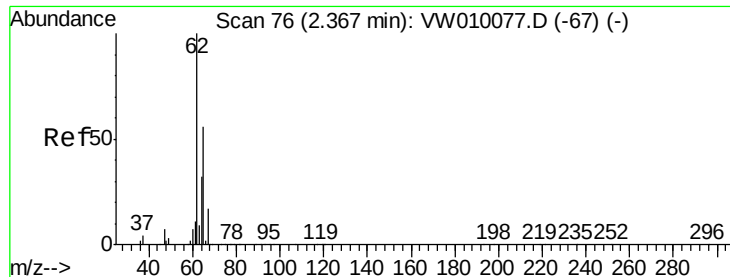
52 30.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.005 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

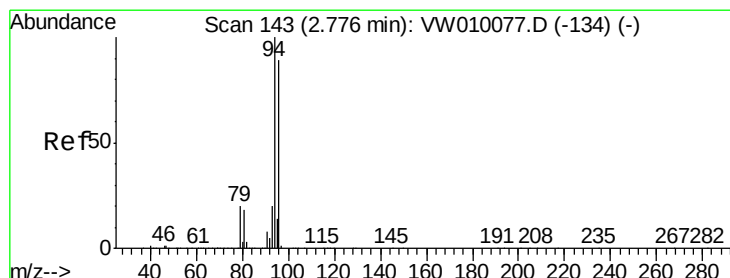
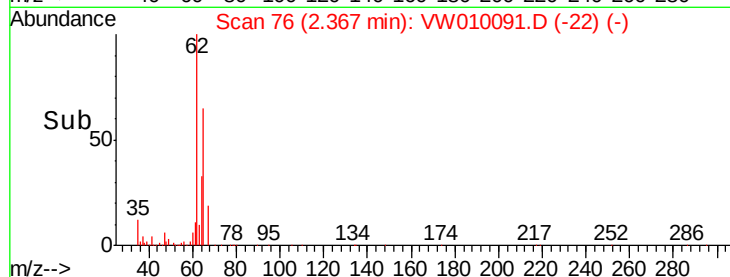
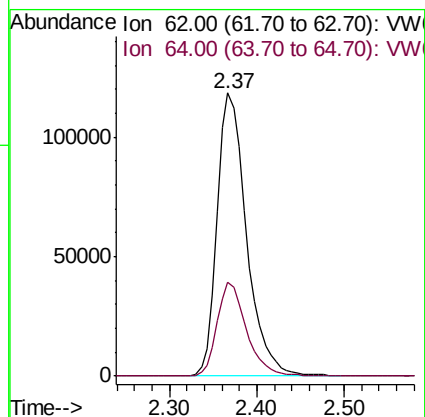
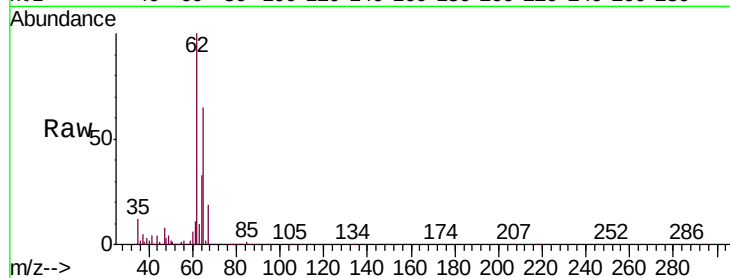
VSTD02511

Tgt Ion: 62 Resp: 275915

Ion Ratio Lower Upper

62 100

64 33.2 23.3 43.3



#6

Bromomethane

Concen: 21.354 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW010091.D

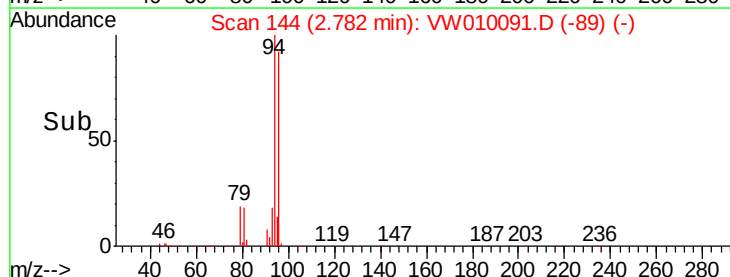
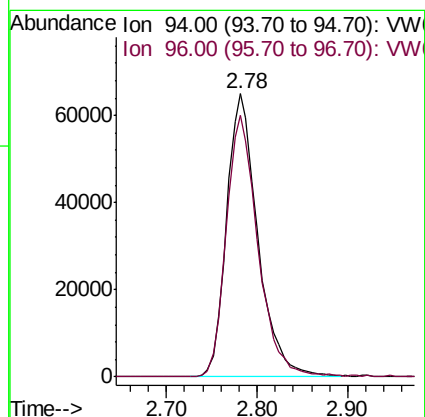
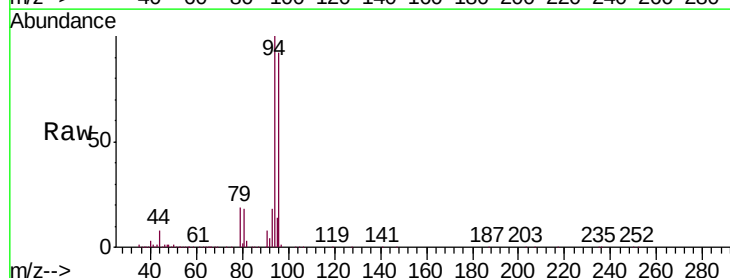
Acq: 23 Apr 2019 09:36

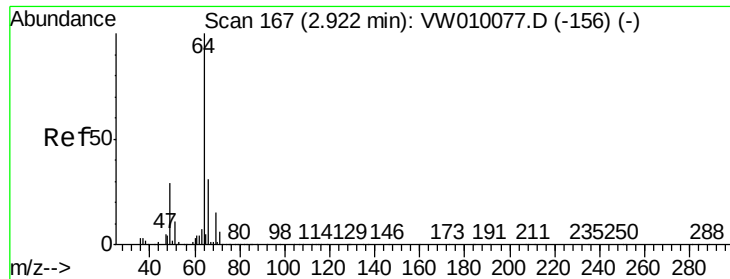
Tgt Ion: 94 Resp: 155373

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.3





#8

Chloroethane

Concen: 22.731 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

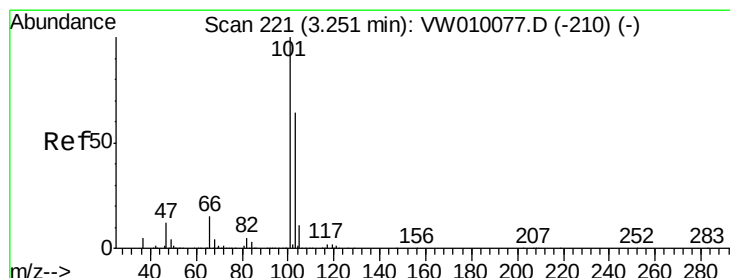
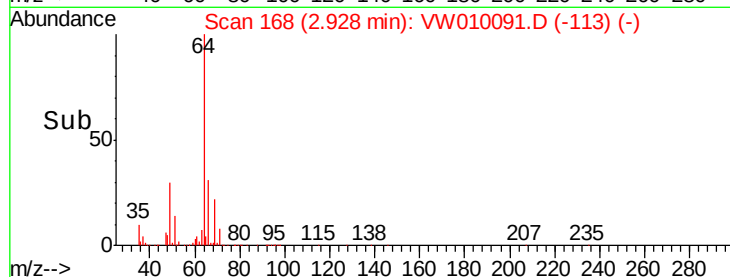
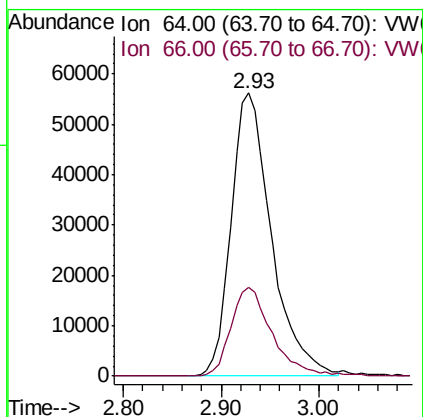
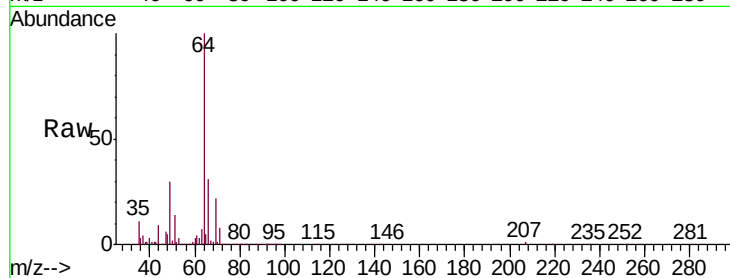
VSTD02511

Tgt Ion: 64 Resp: 160772

Ion Ratio Lower Upper

64 100

66 31.5 21.7 40.3



#9

Trichlorofluoromethane

Concen: 19.800 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW010091.D

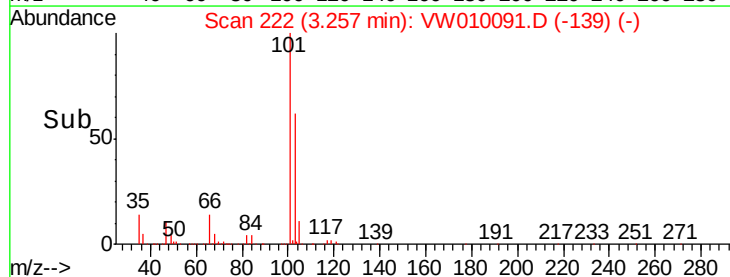
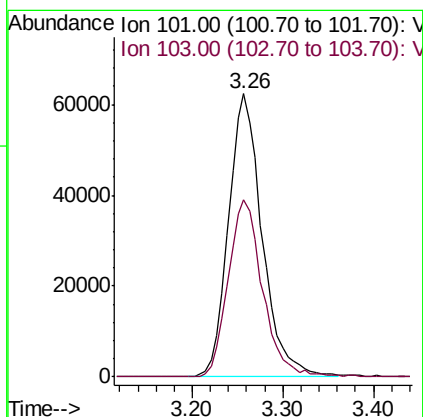
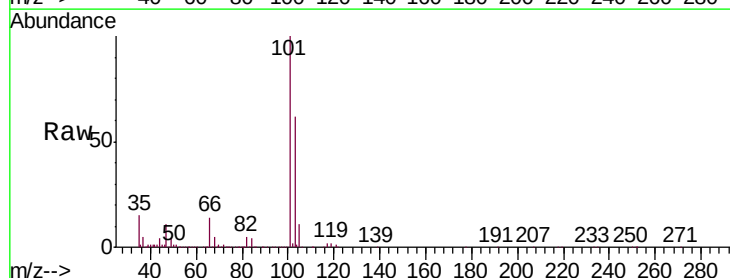
Acq: 23 Apr 2019 09:36

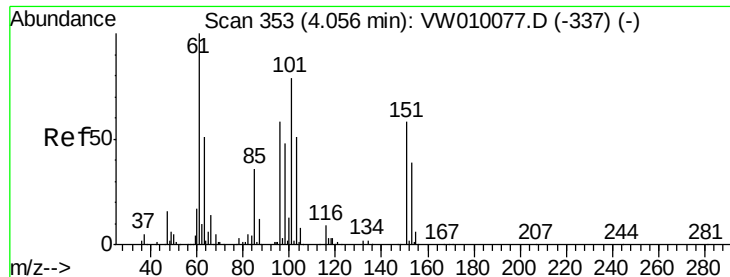
Tgt Ion: 101 Resp: 160602

Ion Ratio Lower Upper

101 100

103 62.8 44.5 82.7





#11

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

Concen: 25.928 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010091.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

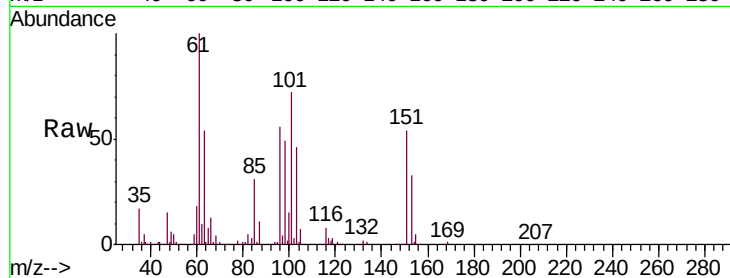
Tgt Ion:101 Resp: 273825

Ion Ratio Lower Upper

101 100

85 21.9 37.0 55.4#

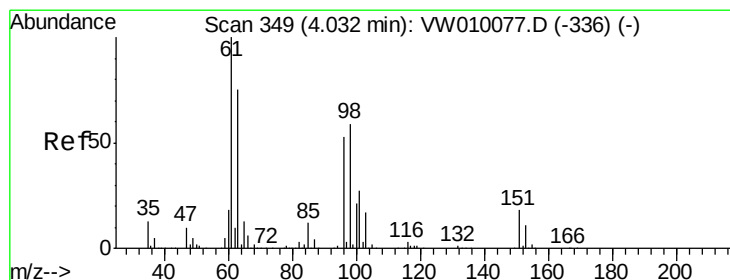
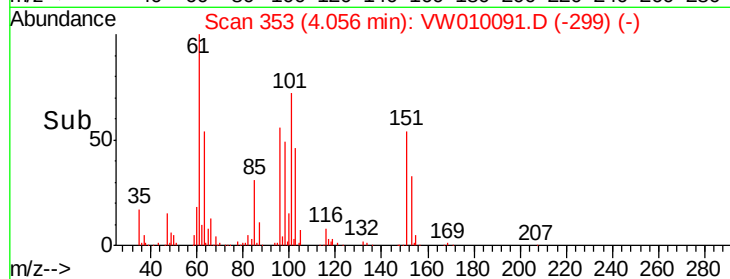
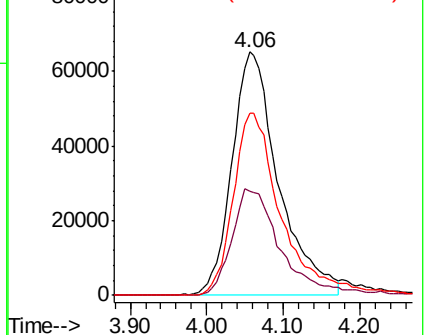
151 76.6 58.2 87.2



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: 28.079 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

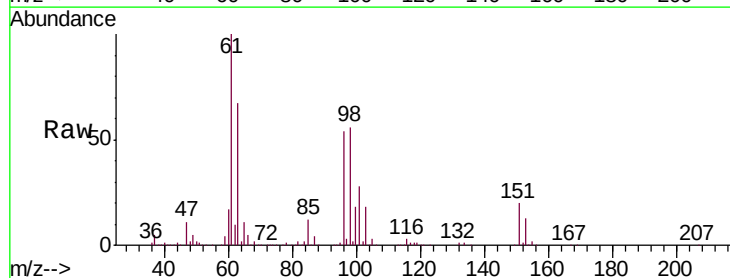
Tgt Ion: 96 Resp: 277639

Ion Ratio Lower Upper

96 100

61 184.3 131.2 243.6

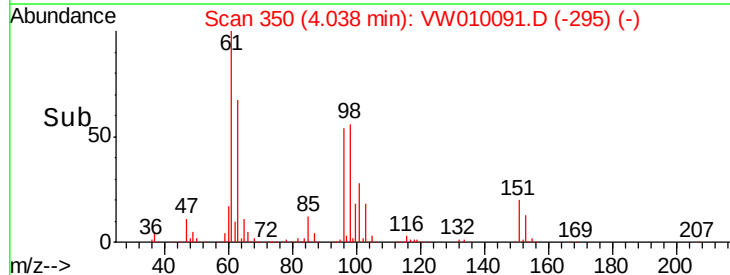
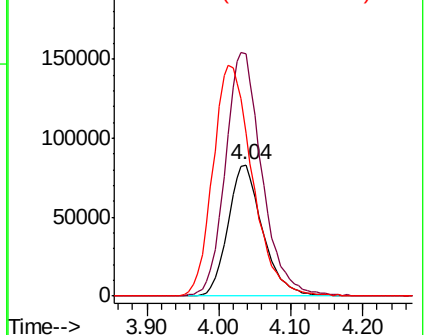
63 124.1 113.9 211.5

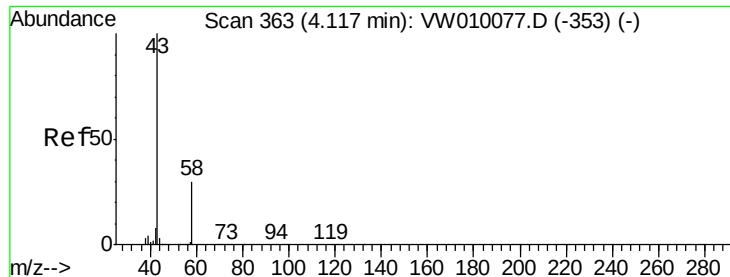


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.493 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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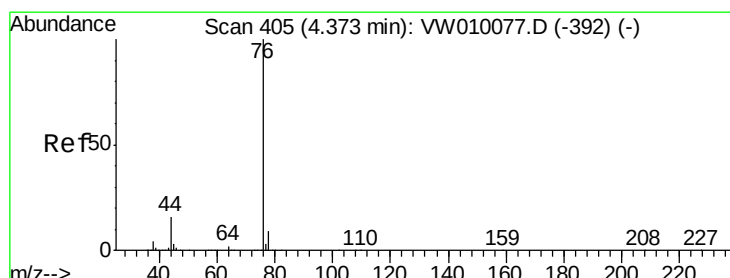
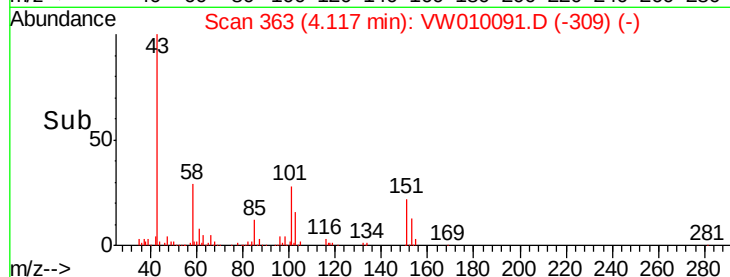
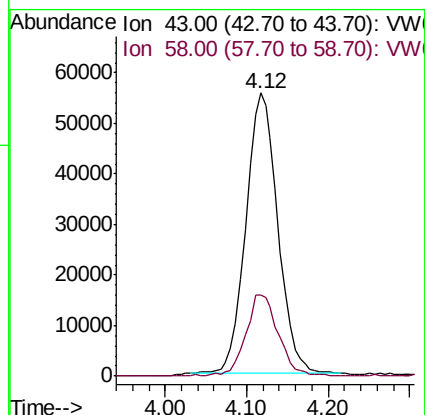
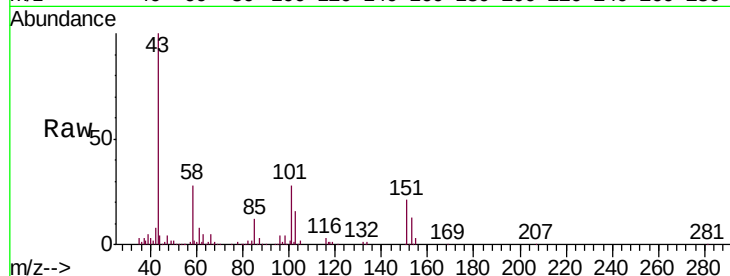
VSTD02511

Tgt Ion: 43 Resp: 150755

Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.2



#14

Carbon disulfide

Concen: 28.847 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010091.D

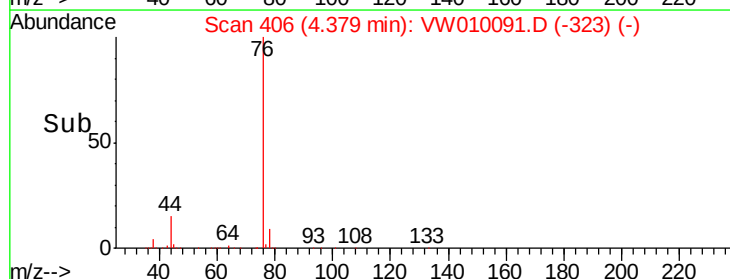
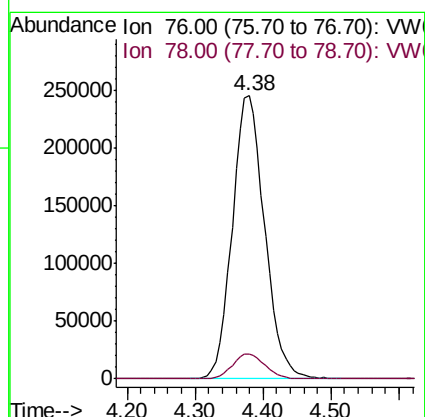
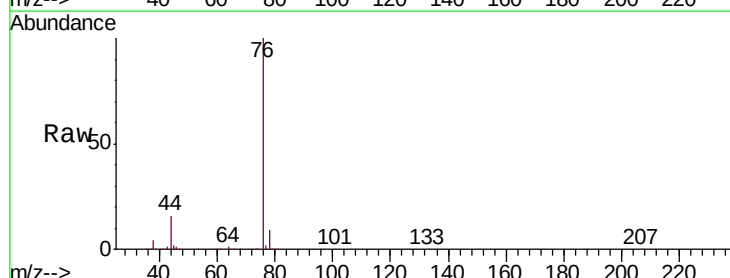
Acq: 23 Apr 2019 09:36

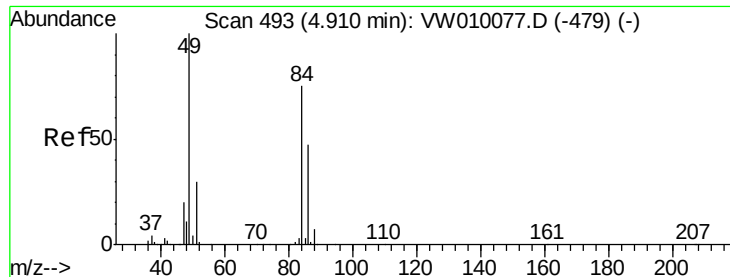
Tgt Ion: 76 Resp: 808554

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

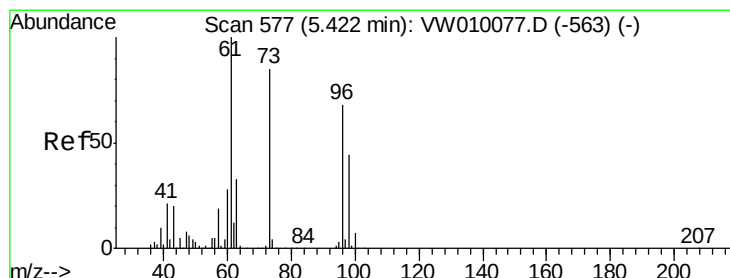
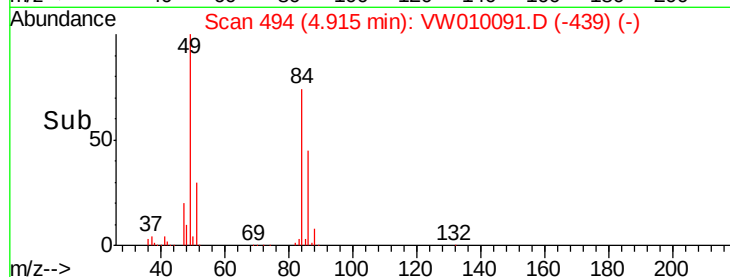
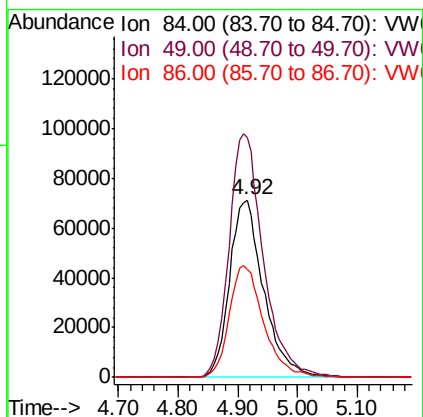
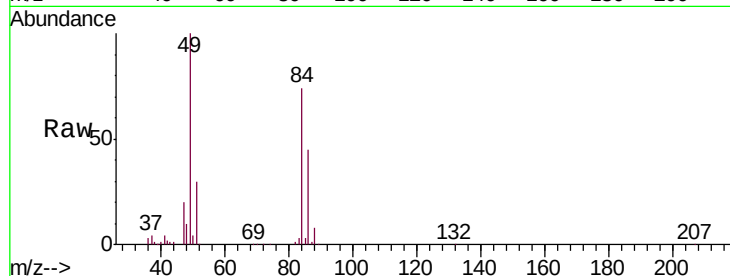




#16
Methylene chloride
Concen: 19.060 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010091.D
Acq: 23 Apr 2019 09:36

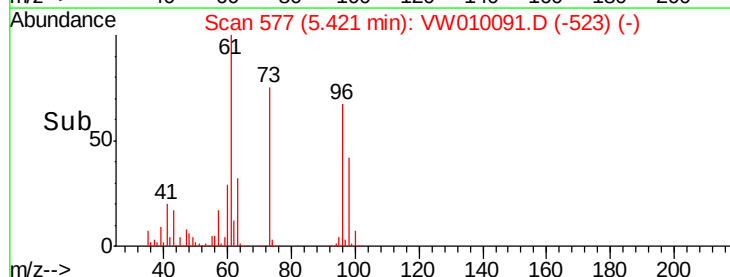
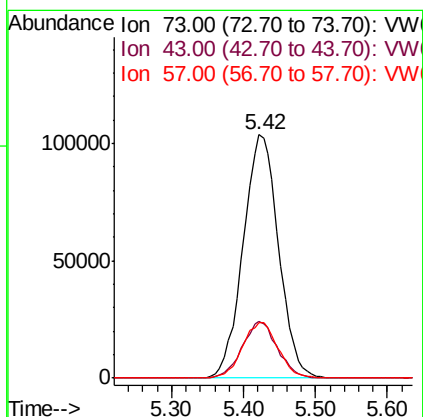
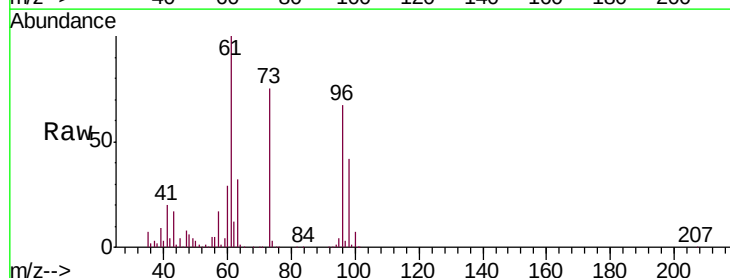
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

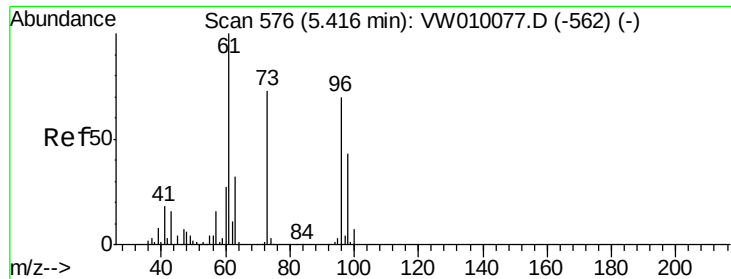
Tgt Ion: 84 Resp: 282643
Ion Ratio Lower Upper
84 100
49 134.7 100.7 187.1
86 60.7 43.8 81.3



#17
Methyl tert-butyl Ether
Concen: 24.414 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010091.D
Acq: 23 Apr 2019 09:36

Tgt Ion: 73 Resp: 353292
Ion Ratio Lower Upper
73 100
43 23.0 19.4 29.0
57 23.0 18.6 28.0





#18

trans-1,2-Dichloroethene

Concen: 25.733 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

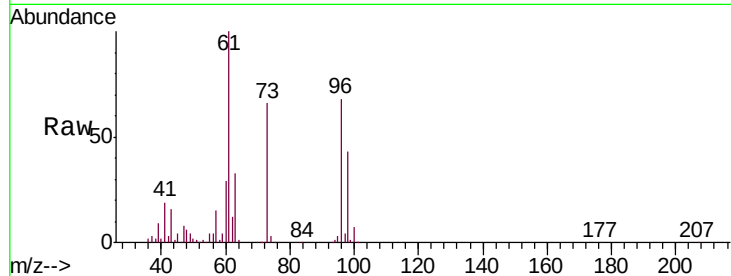
Tgt Ion: 96 Resp: 287957

Ion Ratio Lower Upper

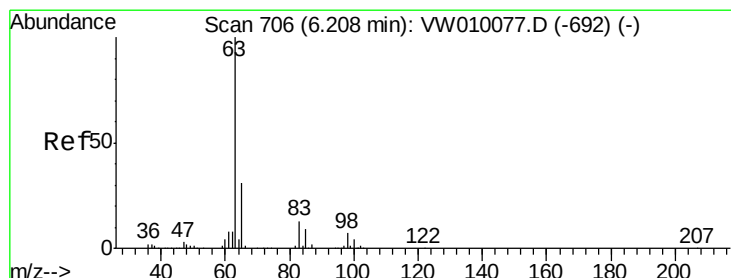
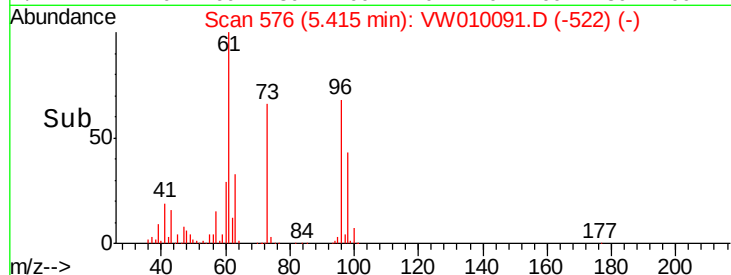
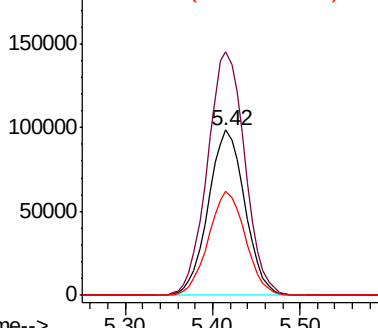
96 100

61 147.2 104.9 194.9

98 62.8 44.1 81.9



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: 24.815 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

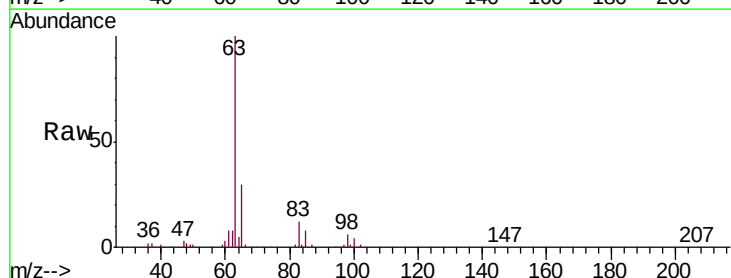
Tgt Ion: 63 Resp: 553516

Ion Ratio Lower Upper

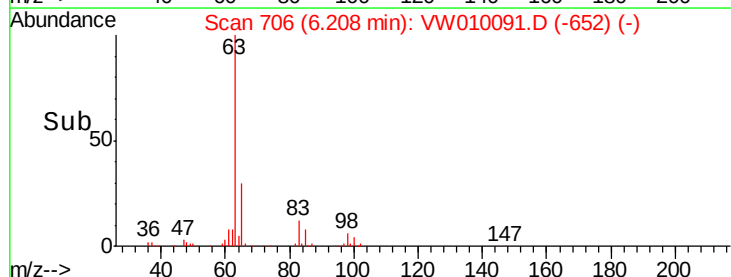
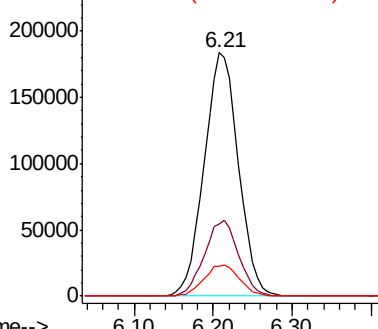
63 100

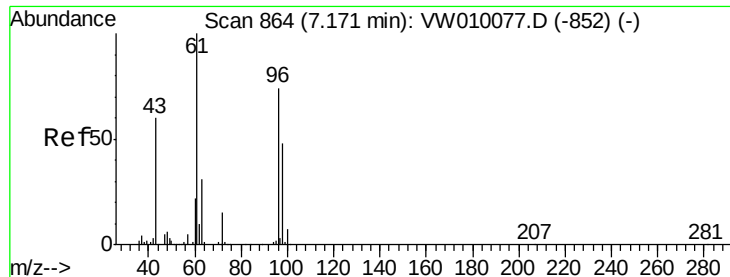
65 29.7 21.6 40.0

83 12.4 9.0 16.6



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





#21

2-Butanone

Concen: 40.213 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

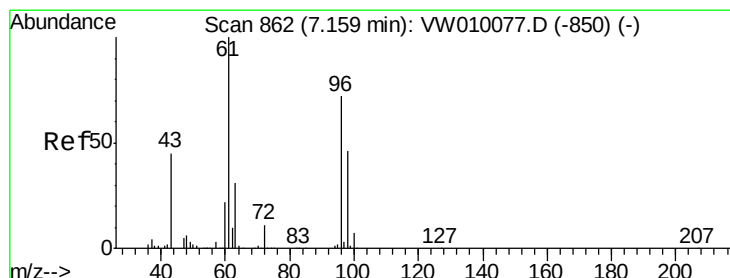
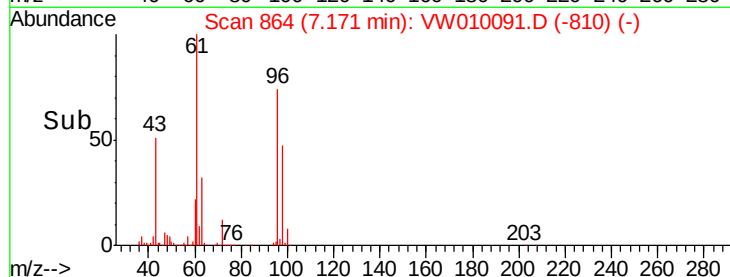
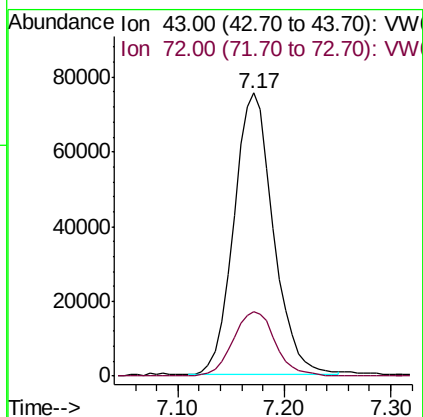
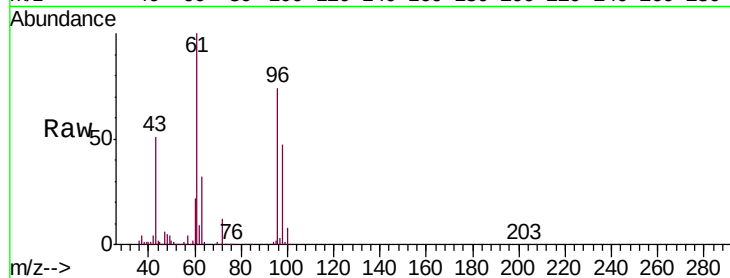
VSTD02511

Tgt Ion: 43 Resp: 196043

Ion Ratio Lower Upper

43 100

72 24.5 11.9 35.7



#22

cis-1,2-Dichloroethene

Concen: 25.212 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

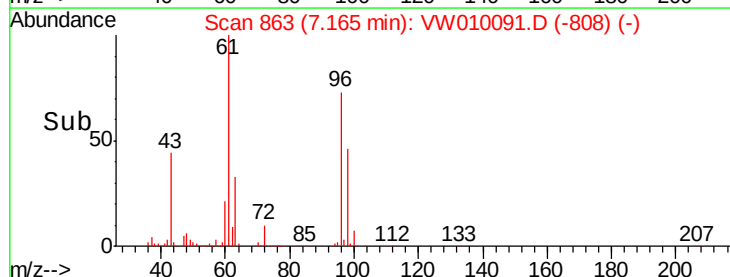
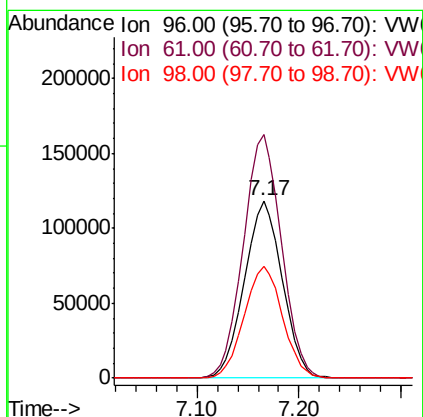
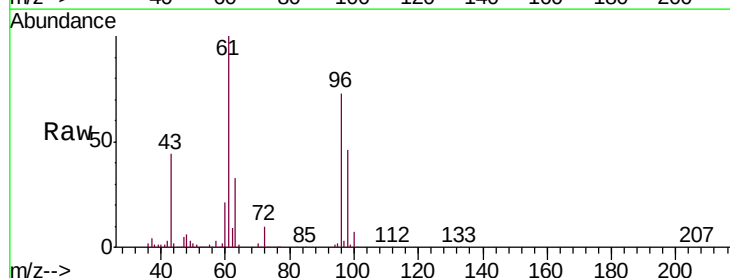
Tgt Ion: 96 Resp: 306170

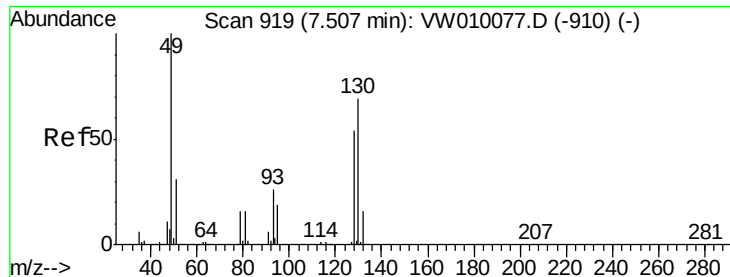
Ion Ratio Lower Upper

96 100

61 137.1 94.7 175.9

98 63.1 42.8 79.6





#23

Bromochloromethane

Concen: 23.314 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Tgt Ion:128 Resp: 131857

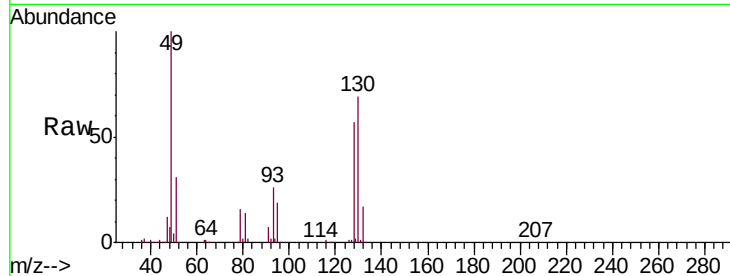
Ion Ratio Lower Upper

128 100

49 174.9 132.2 245.4

130 120.4 91.5 169.9

51 53.5 45.4 68.0



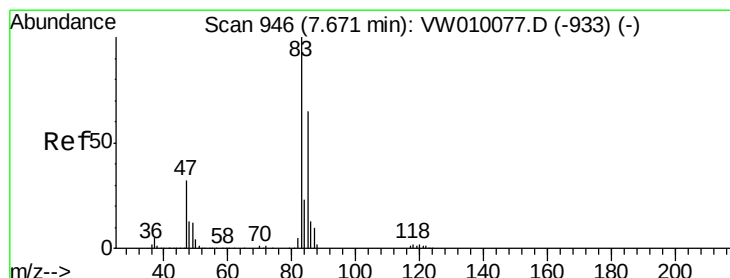
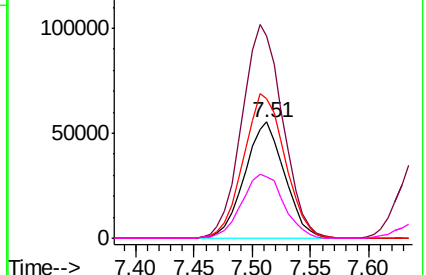
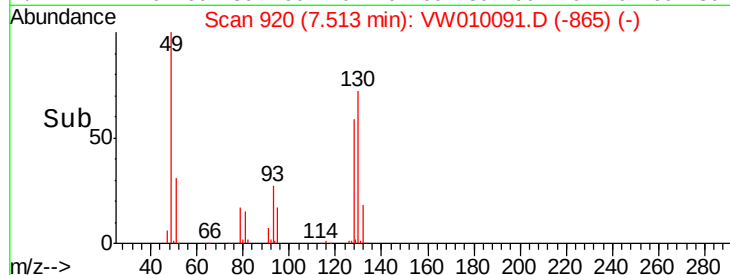
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

Time-->



#25

Chloroform

Concen: 23.951 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010091.D

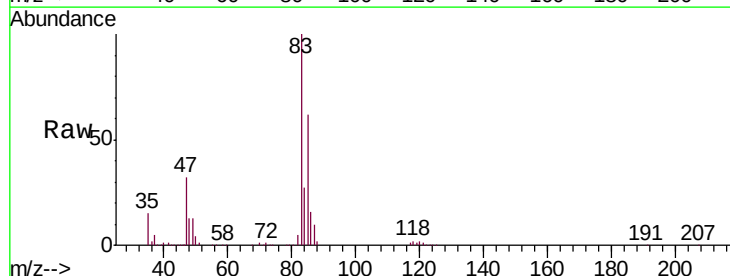
Acq: 23 Apr 2019 09:36

Tgt Ion: 83 Resp: 546664

Ion Ratio Lower Upper

83 100

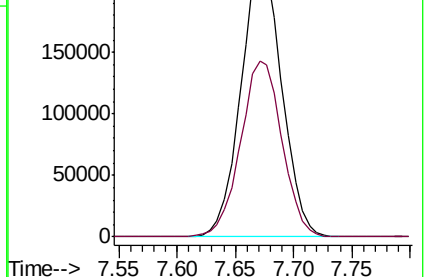
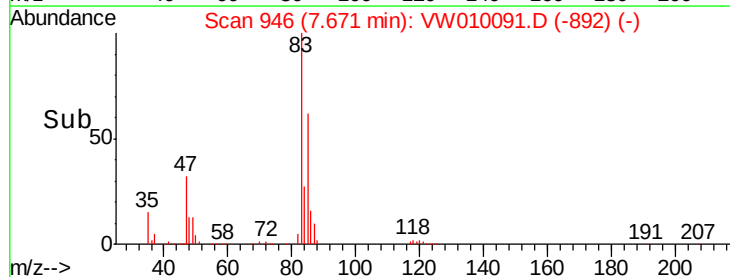
85 64.7 45.5 84.5

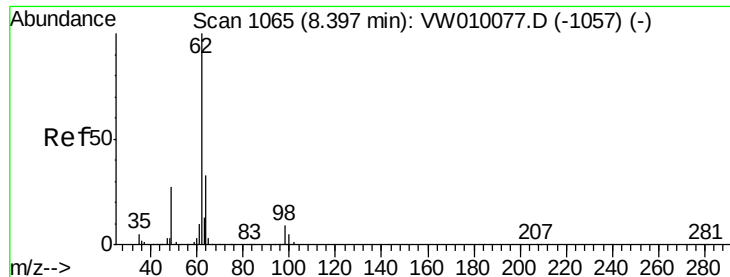


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Time-->





#27

1,2-Dichloroethane

Concen: 21.942 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

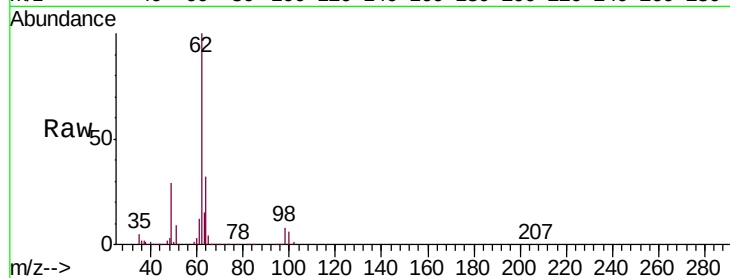
VSTD02511

Tgt Ion: 62 Resp: 385560

Ion Ratio Lower Upper

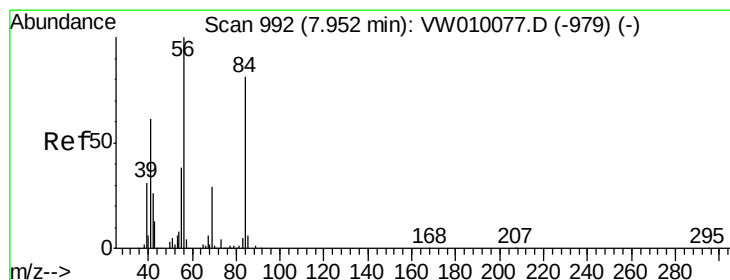
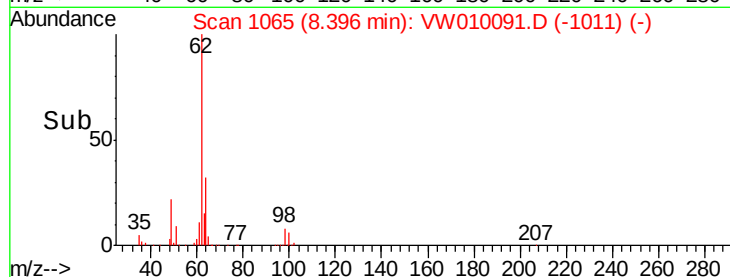
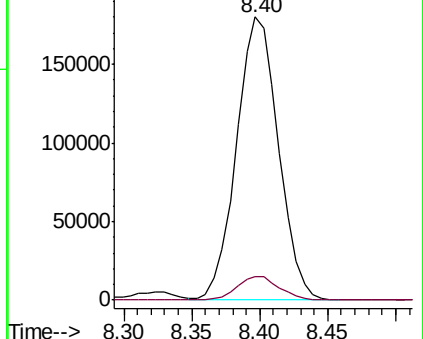
62 100

98 8.4 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



#30

Cyclohexane

Concen: 30.658 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

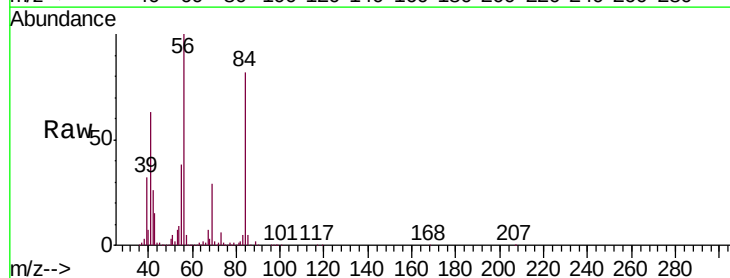
Tgt Ion: 56 Resp: 520048

Ion Ratio Lower Upper

56 100

69 29.5 23.4 35.0

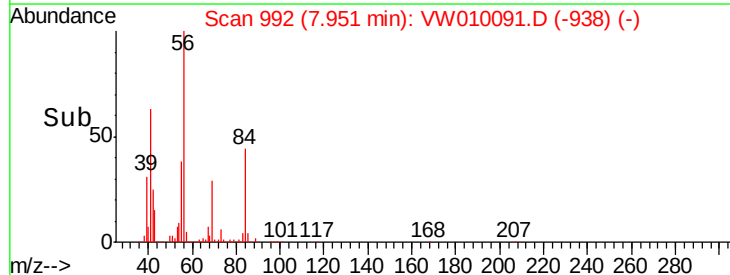
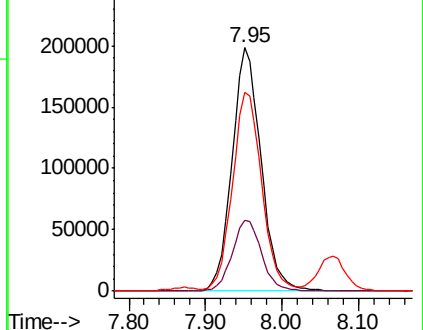
84 82.8 65.5 98.3

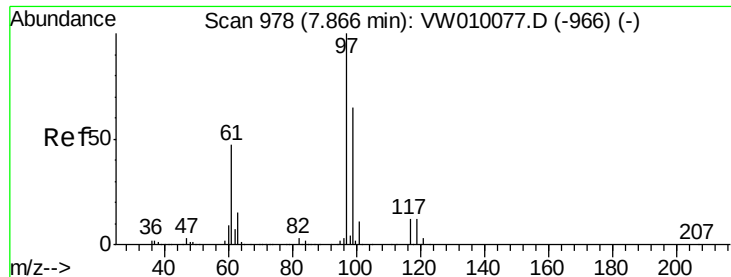


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#31

1,1,1-Trichloroethane

Concen: 27.882 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

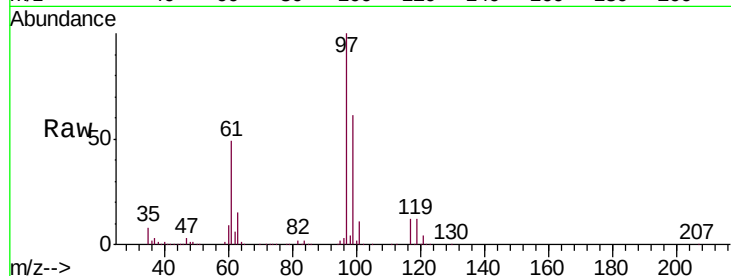
Tgt Ion: 97 Resp: 437042

Ion Ratio Lower Upper

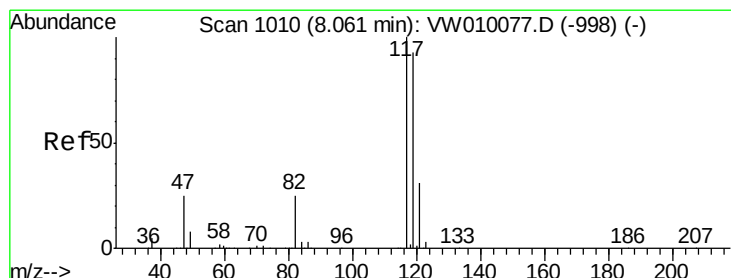
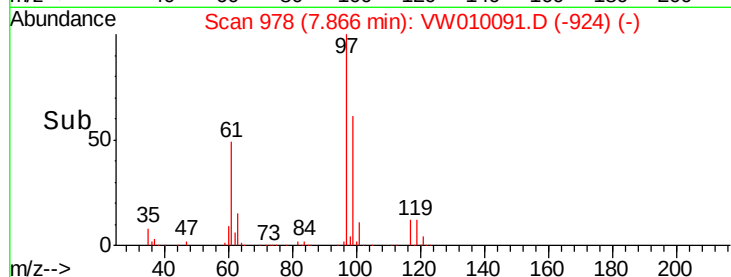
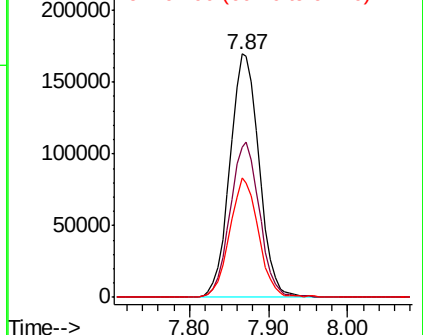
97 100

99 64.1 50.8 76.2

61 47.8 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 27.941 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW010091.D

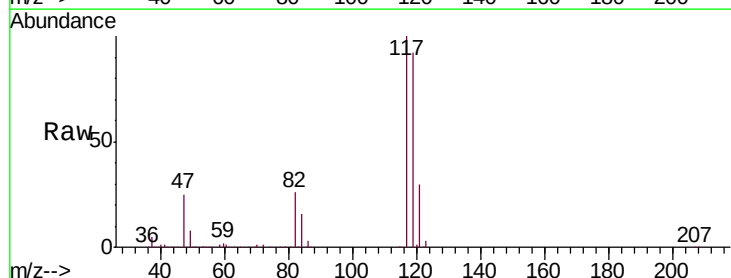
Acq: 23 Apr 2019 09:36

Tgt Ion: 117 Resp: 430003

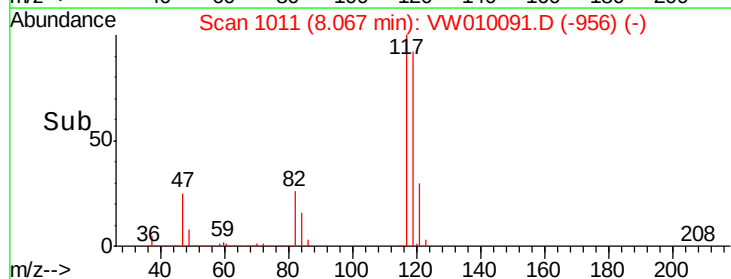
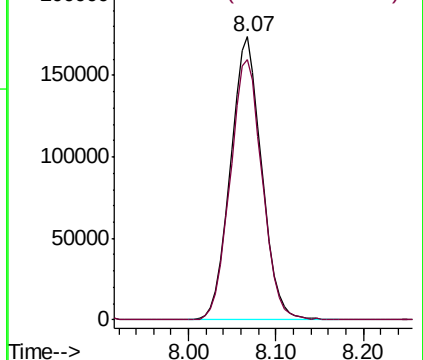
Ion Ratio Lower Upper

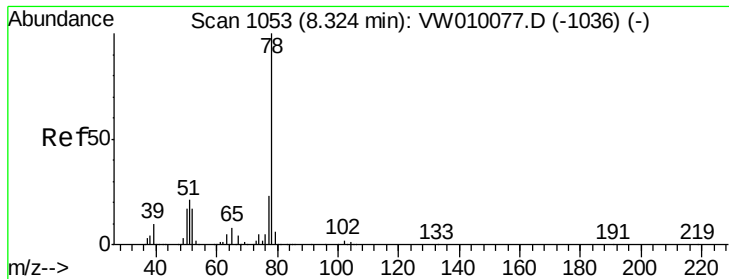
117 100

119 94.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 26.767 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

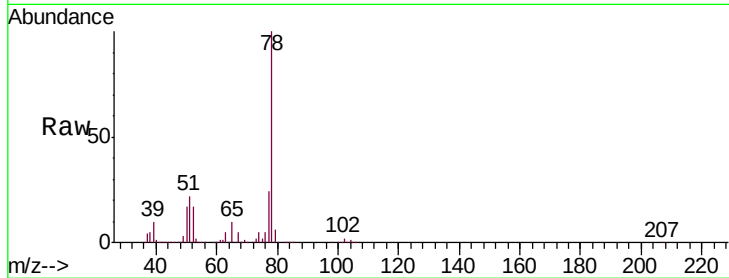
Instrument :

MSVOA_W

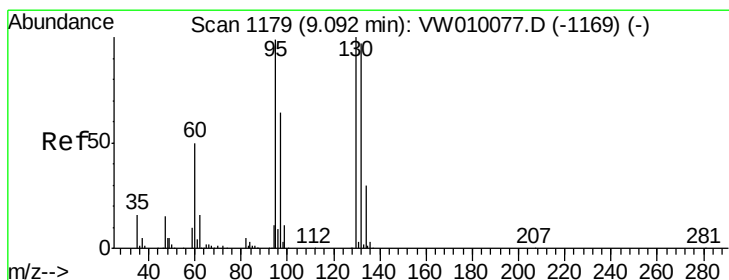
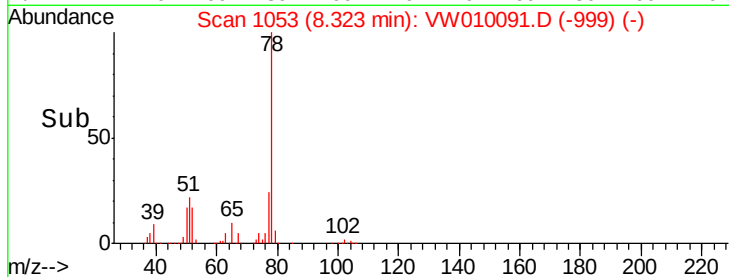
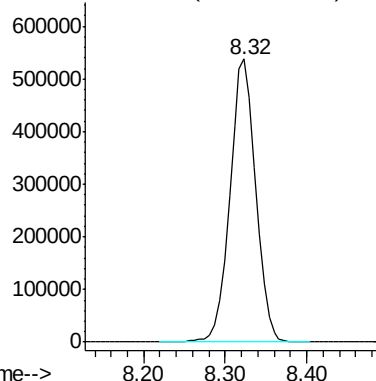
ClientSampleId :

VSTD02511

Tgt Ion: 78 Resp: 1183487



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.669 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Tgt Ion: 95 Resp: 306592

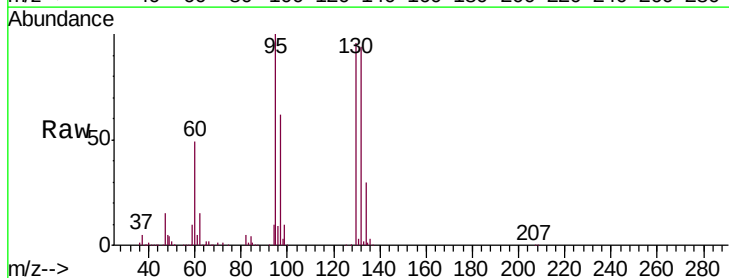
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.3	84.1
132	94.6	65.6	121.8
130	97.8	68.5	127.3

95 100

97 64.1 45.3 84.1

132 94.6 65.6 121.8

130 97.8 68.5 127.3

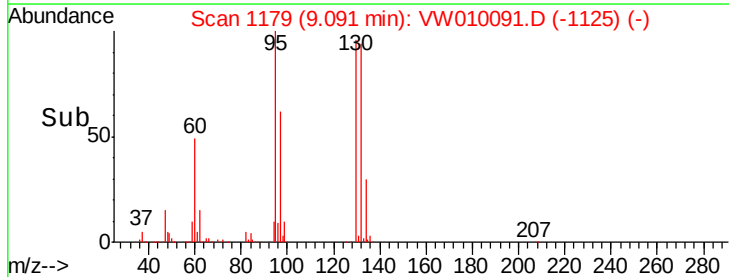
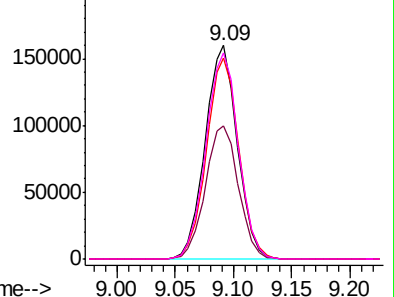


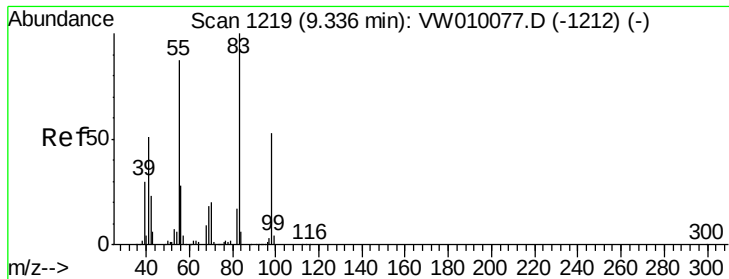
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

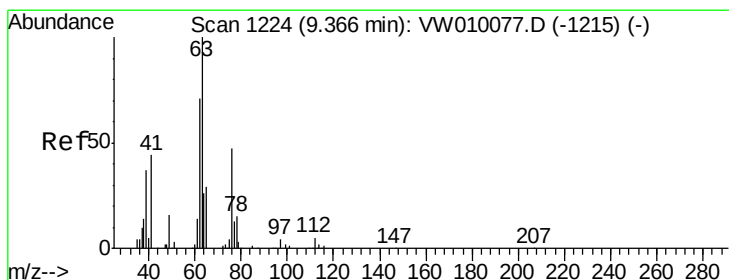
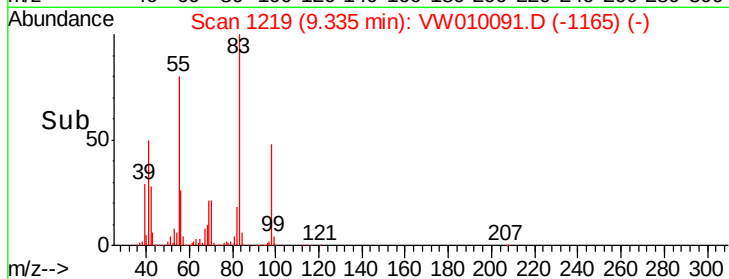
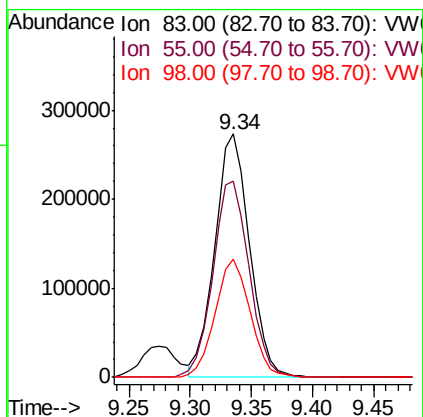
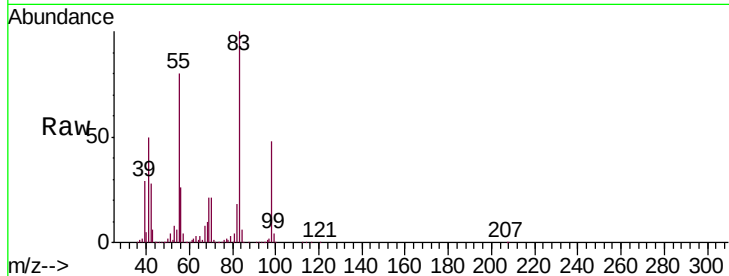




#36
Methylcyclohexane
Concen: 29.359 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010091.D
Acq: 23 Apr 2019 09:36

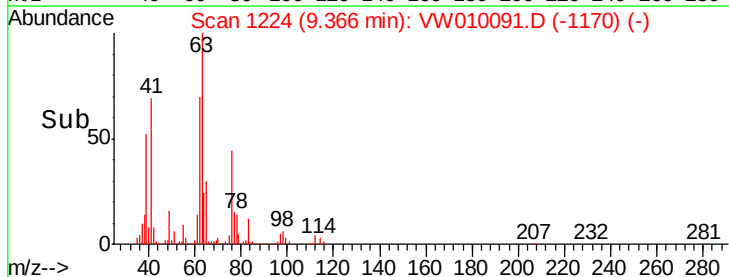
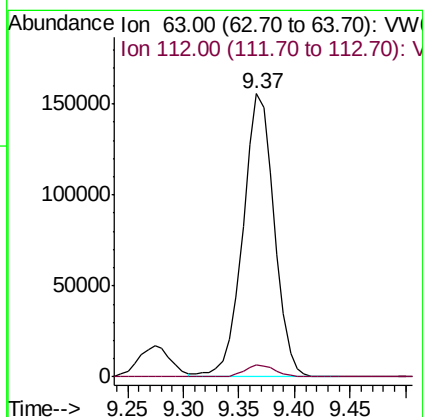
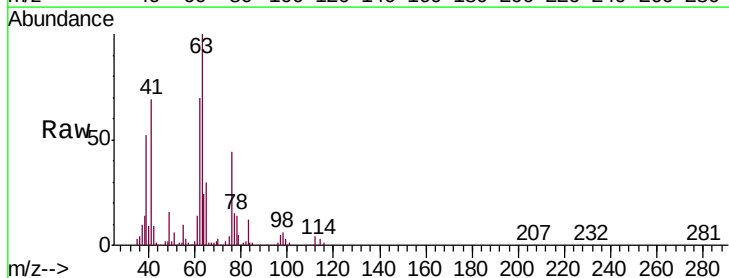
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

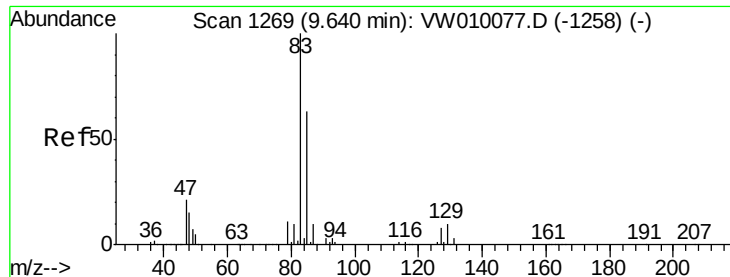
Tgt Ion: 83 Resp: 542265
Ion Ratio Lower Upper
83 100
55 83.6 68.4 102.6
98 49.0 40.0 60.0



#40
1,2-Dichloropropane
Concen: 26.026 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW010091.D
Acq: 23 Apr 2019 09:36

Tgt Ion: 63 Resp: 304331
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.2





#41

Bromodichloromethane

Concen: 24.442 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

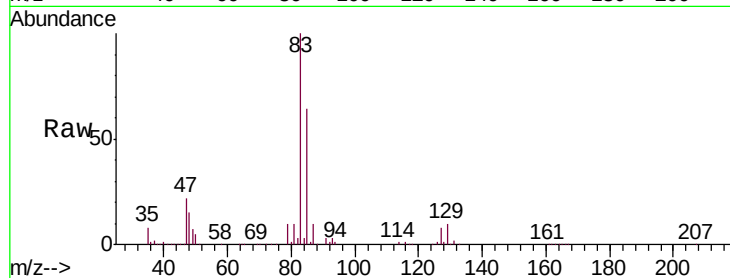
Tgt Ion: 83 Resp: 390199

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.9

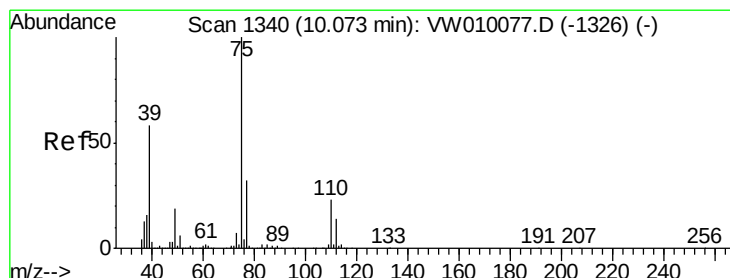
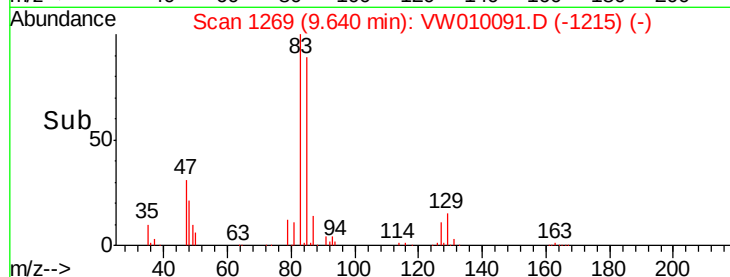
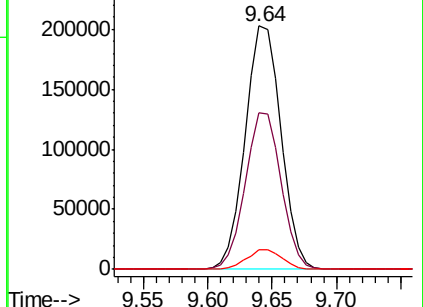
127 7.8 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 26.484 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010091.D

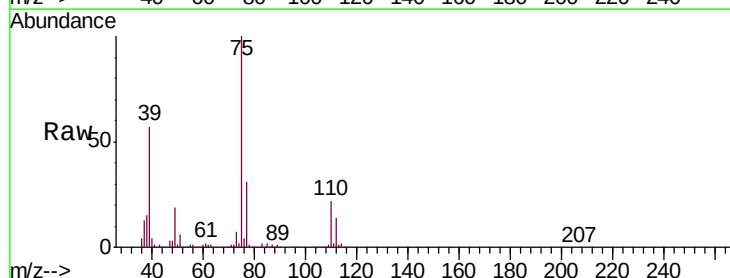
Acq: 23 Apr 2019 09:36

Tgt Ion: 75 Resp: 477434

Ion Ratio Lower Upper

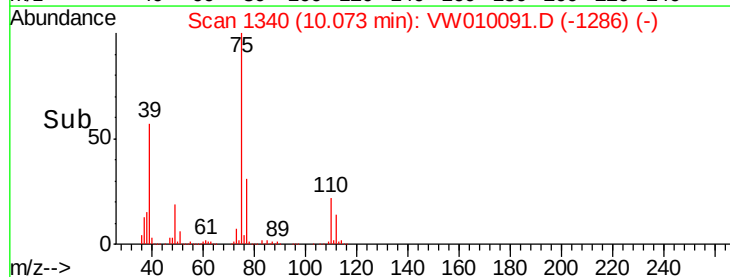
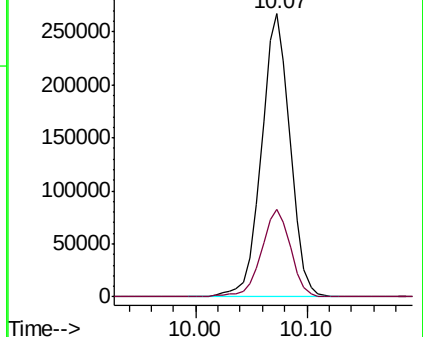
75 100

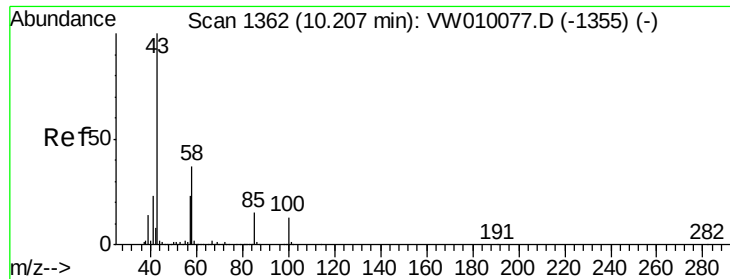
77 31.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#43

4-Methyl-2-pentanone

Concen: 44.238 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

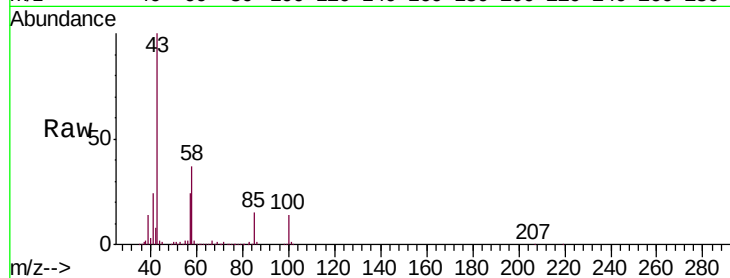
Tgt Ion: 43 Resp: 426036

Ion Ratio Lower Upper

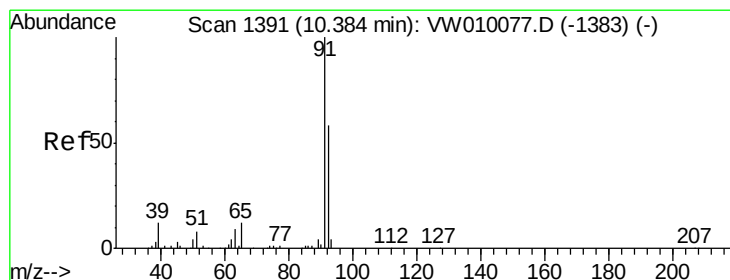
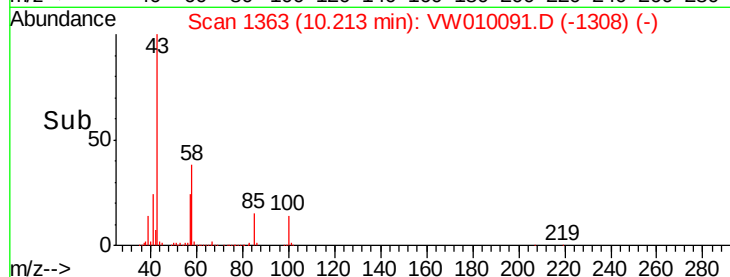
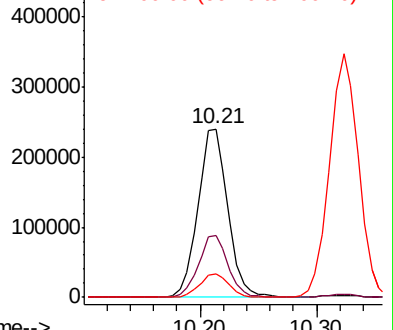
43 100

58 36.4 27.9 41.9

100 13.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 27.286 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010091.D

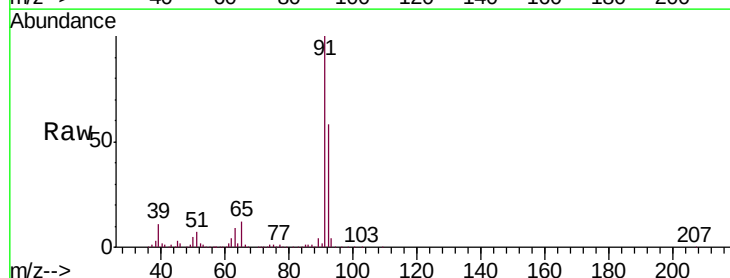
Acq: 23 Apr 2019 09:36

Tgt Ion: 91 Resp: 1279862

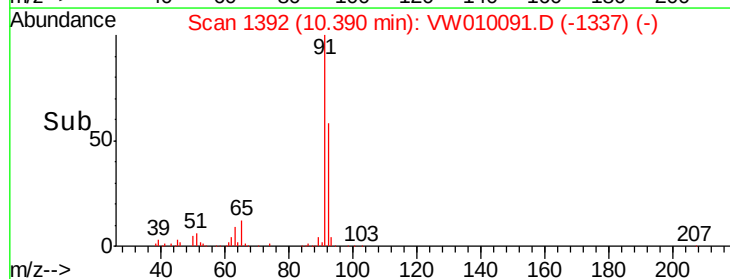
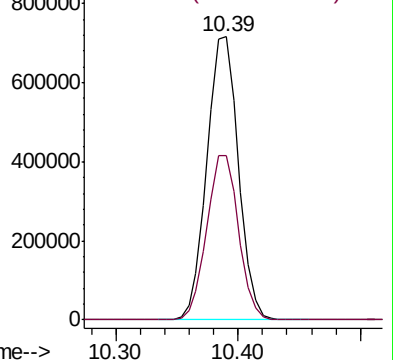
Ion Ratio Lower Upper

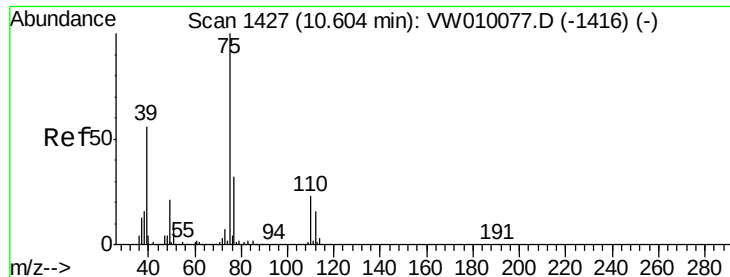
91 100

92 58.1 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 24.994 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

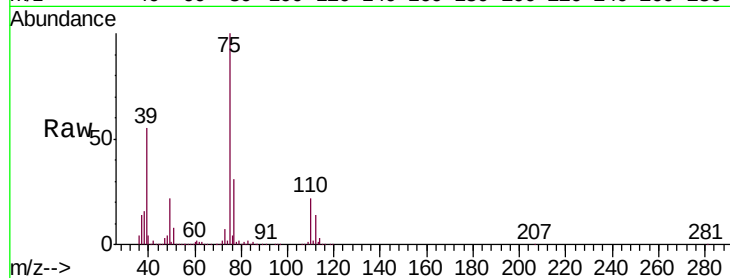
VSTD02511

Tgt Ion: 75 Resp: 397847

Ion Ratio Lower Upper

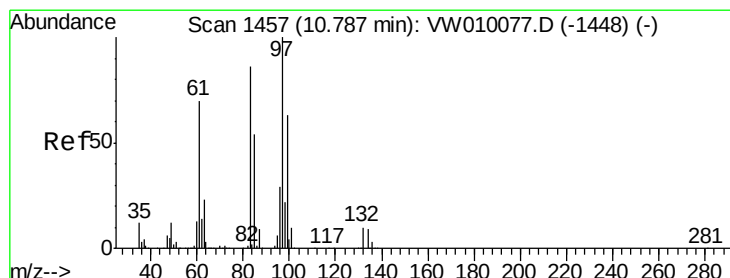
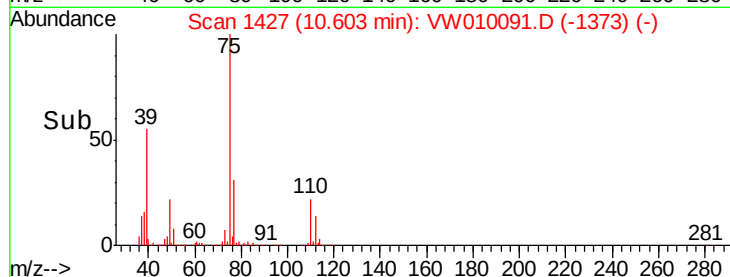
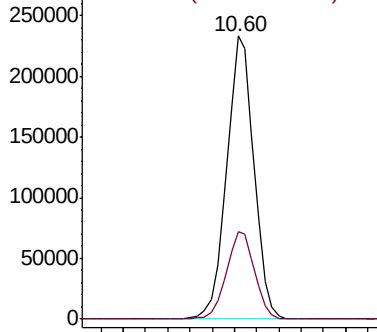
75 100

77 31.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 23.348 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Tgt Ion: 97 Resp: 212918

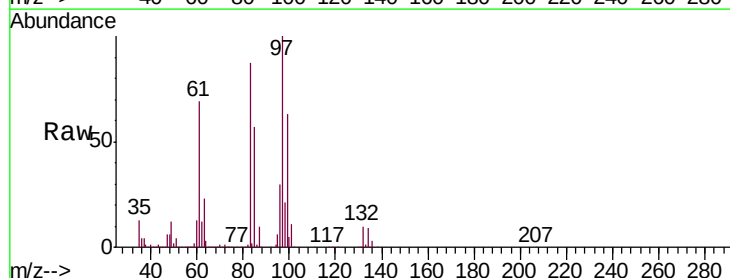
Ion Ratio Lower Upper

97 100

83 86.6 59.1 109.7

85 56.9 39.3 73.1

99 62.9 43.6 81.0

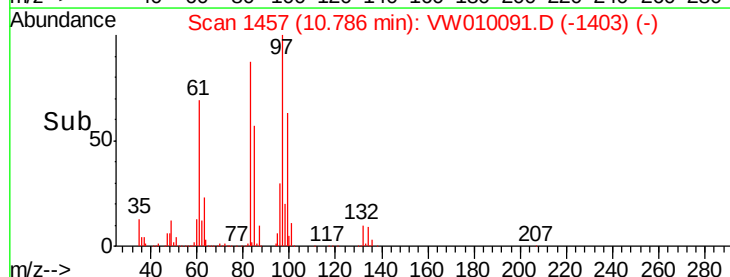
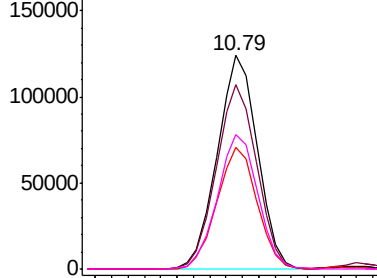


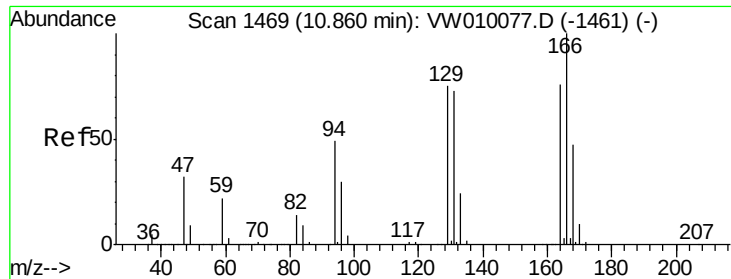
Abundance Ion 97.00 (96.70 to 97.70): VW

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

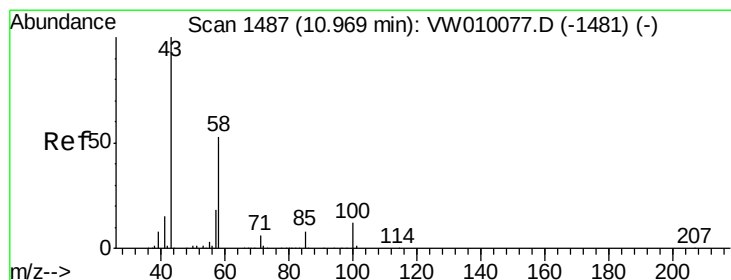
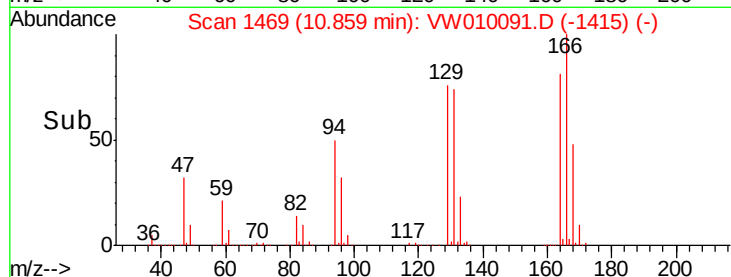
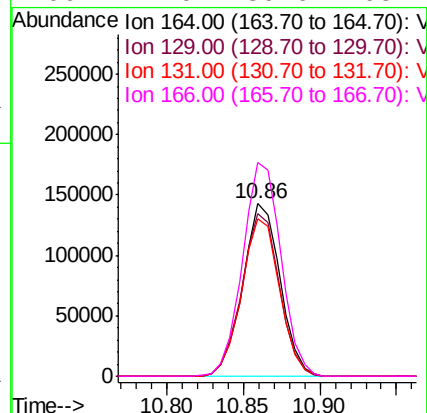
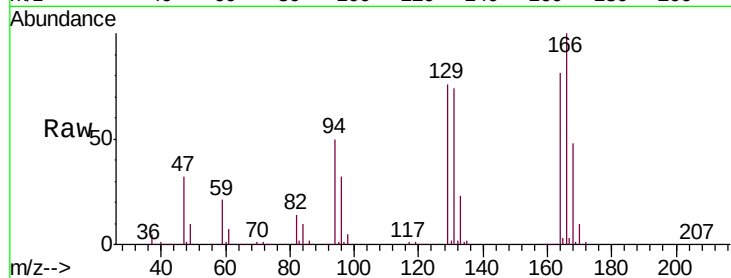




#47
Tetrachloroethene
Concen: 26.996 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010091.D
Acq: 23 Apr 2019 09:36

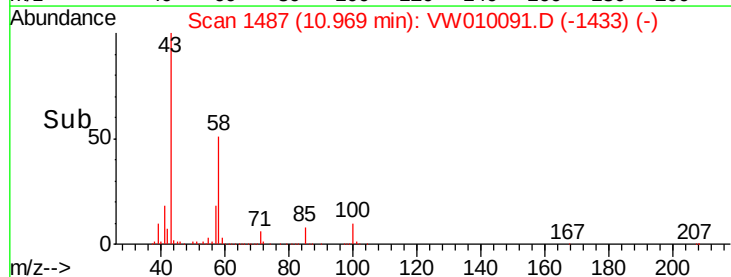
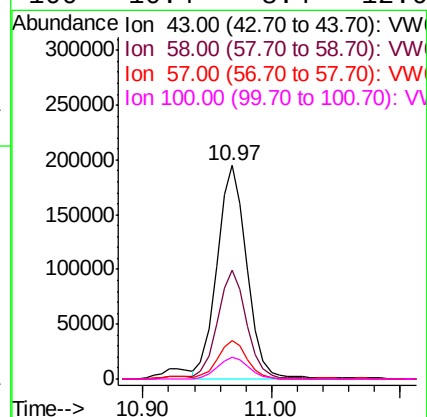
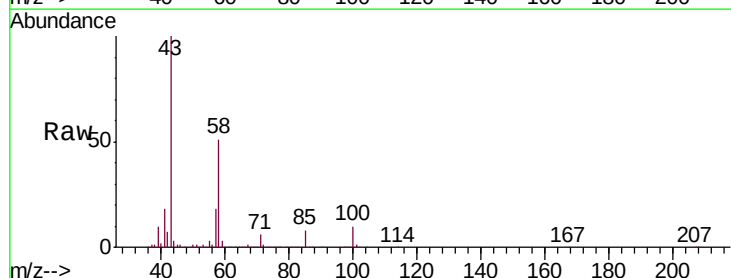
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

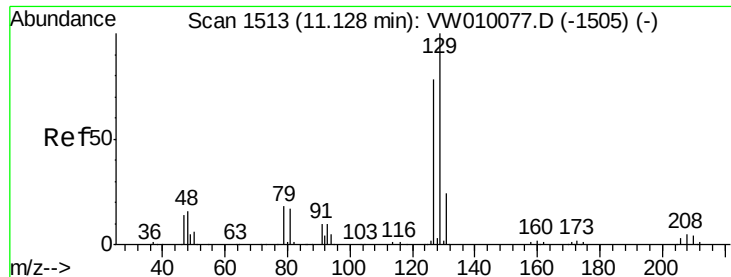
Tgt Ion:	164	Resp:	242425
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.8	124.2
131	91.6	65.2	121.0
166	124.0	89.0	165.2



#49
2-Hexanone
Concen: 46.404 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010091.D
Acq: 23 Apr 2019 09:36

Tgt Ion:	43	Resp:	317481
Ion	Ratio	Lower	Upper
43	100		
58	50.7	39.8	59.8
57	17.8	14.1	21.1
100	10.4	8.4	12.6





#50

Dibromochloromethane

Concen: 23.619 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

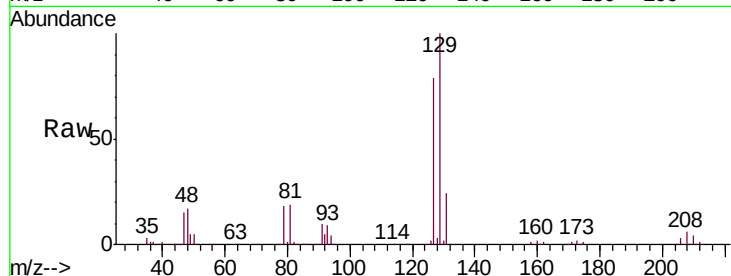
VSTD02511

Tgt Ion:129 Resp: 255674

Ion Ratio Lower Upper

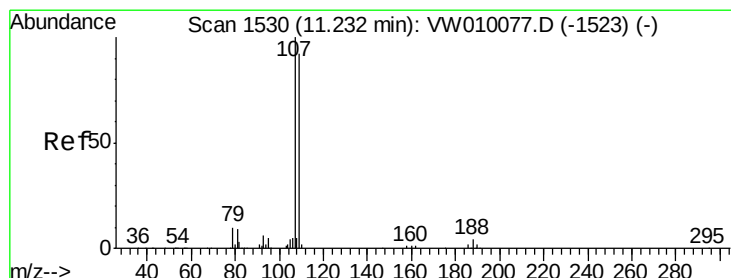
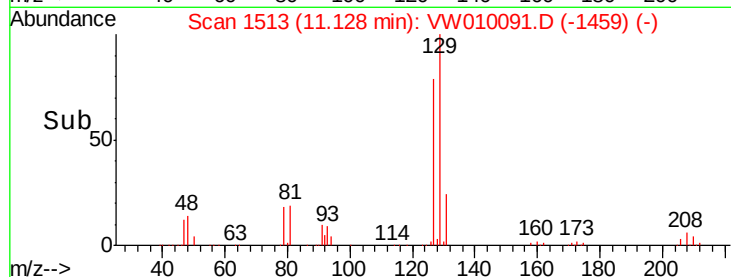
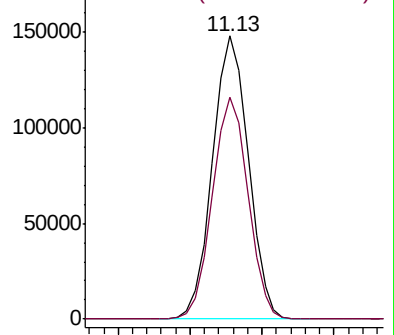
129 100

127 78.6 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 23.024 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

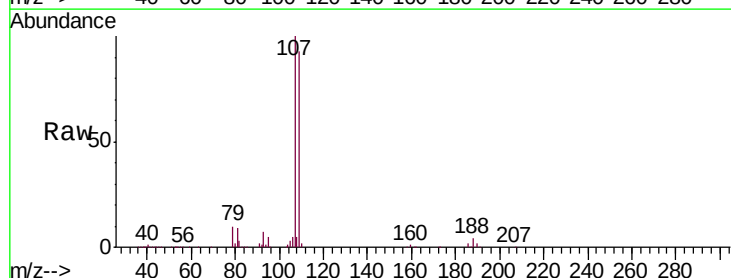
Tgt Ion:107 Resp: 205525

Ion Ratio Lower Upper

107 100

109 93.0 66.4 123.4

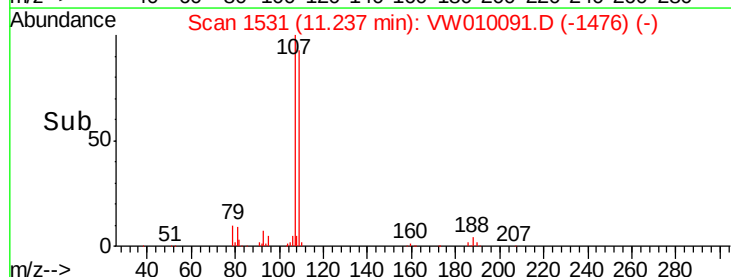
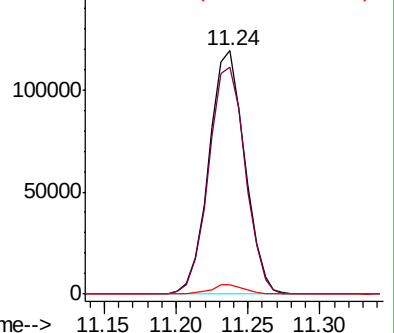
188 3.8 2.7 4.1

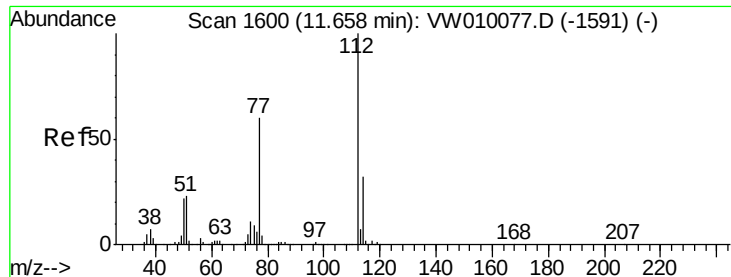


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 25.582 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

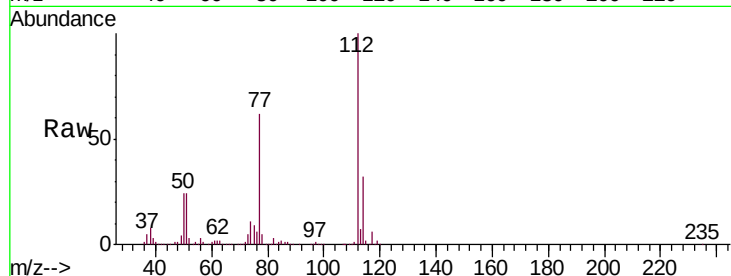
Tgt Ion: 112 Resp: 782996

Ion Ratio Lower Upper

112 100

77 61.5 50.2 75.4

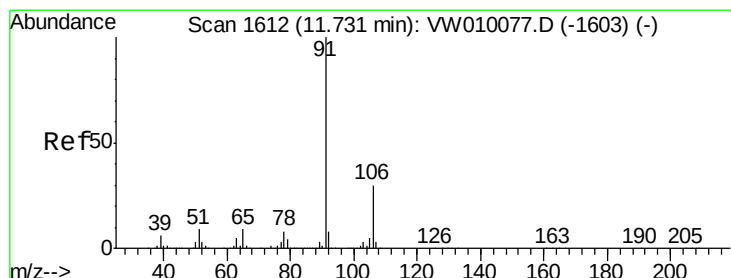
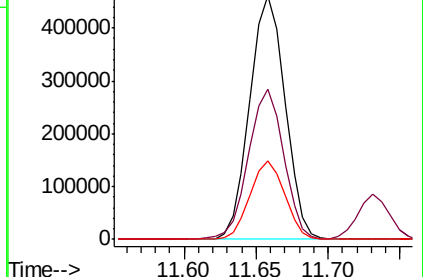
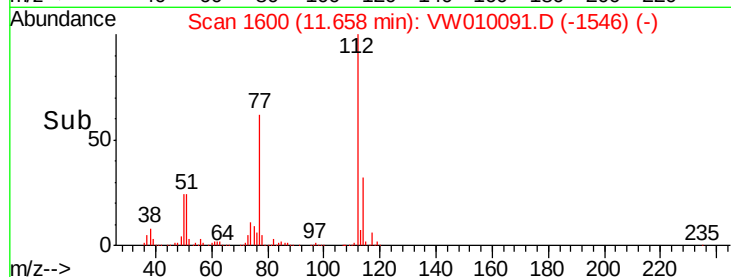
114 32.4 22.7 42.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 27.484 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010091.D

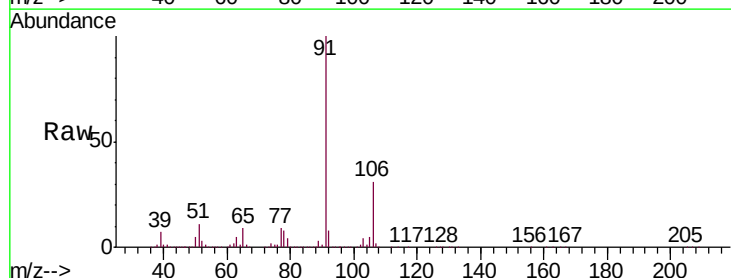
Acq: 23 Apr 2019 09:36

Tgt Ion: 91 Resp: 1440887

Ion Ratio Lower Upper

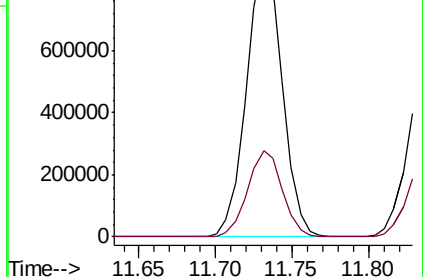
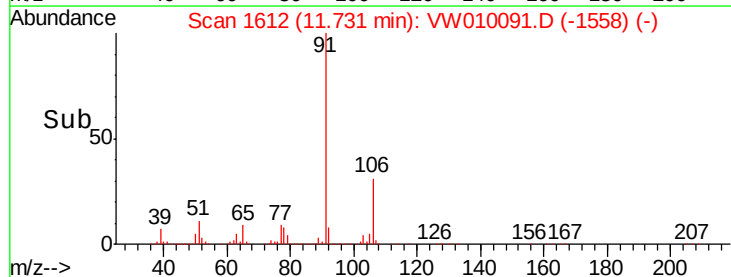
91 100

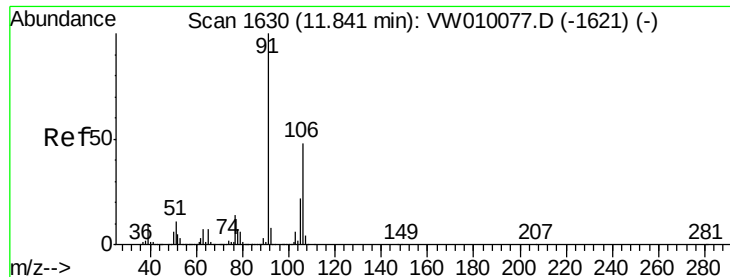
106 30.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 27.832 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

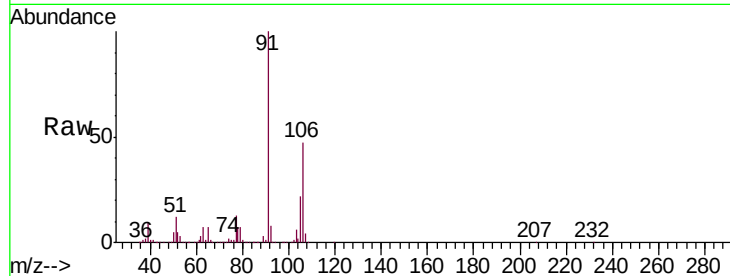
VSTD02511

Tgt Ion:106 Resp: 533730

Ion Ratio Lower Upper

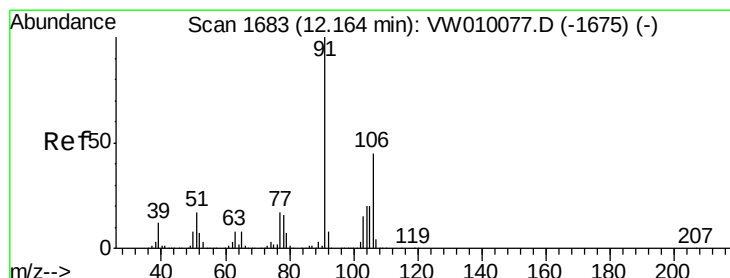
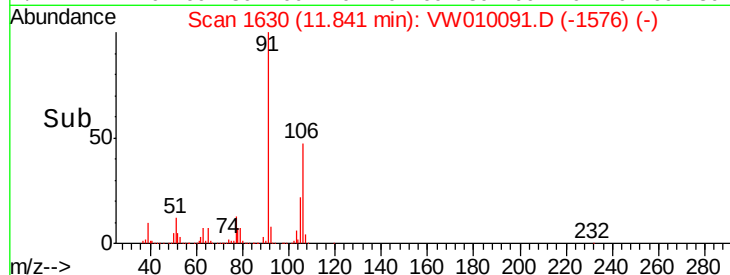
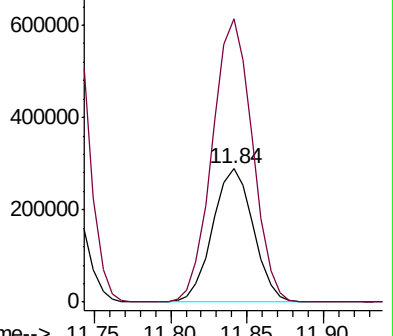
106 100

91 212.0 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 27.316 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW010091.D

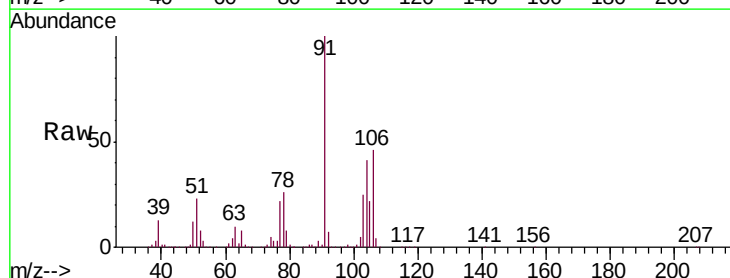
Acq: 23 Apr 2019 09:36

Tgt Ion:106 Resp: 502418

Ion Ratio Lower Upper

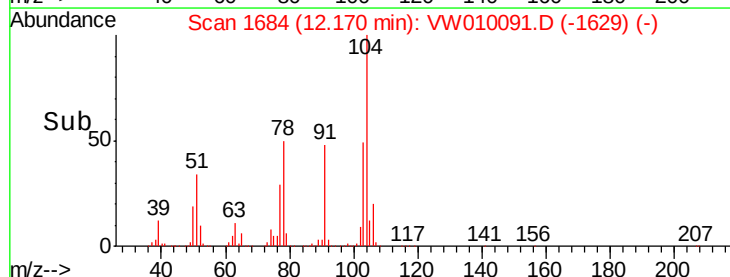
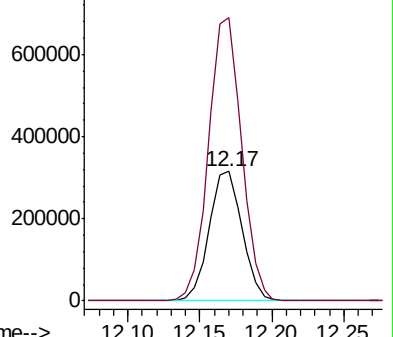
106 100

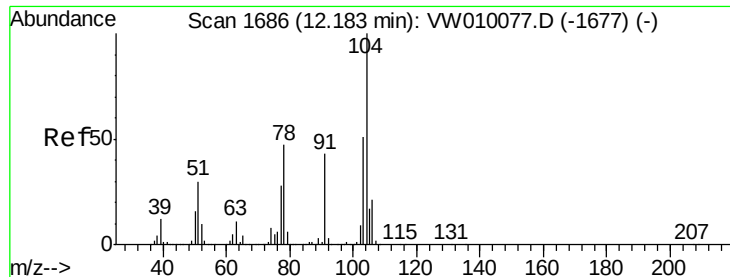
91 218.6 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 27.052 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

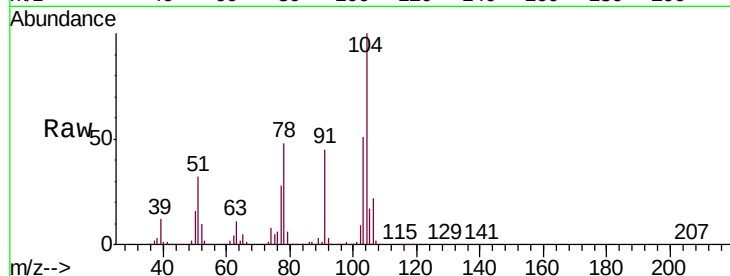
VSTD02511

Tgt Ion:104 Resp: 871022

Ion Ratio Lower Upper

104 100

78 47.7 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

600000

500000

400000

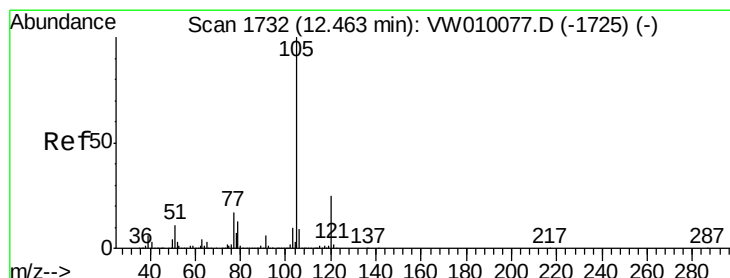
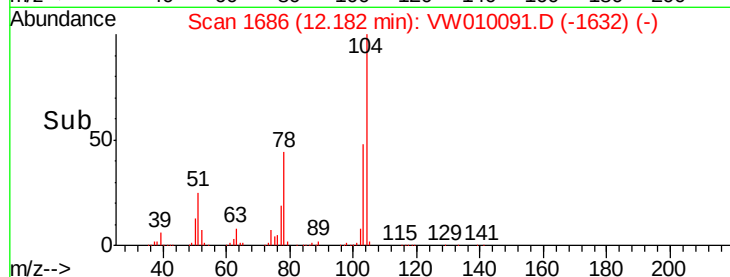
300000

200000

100000

0

Time-->



#57

Isopropylbenzene

Concen: 28.673 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

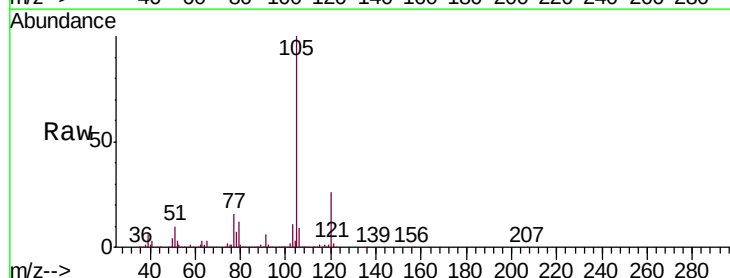
Tgt Ion:105 Resp: 1404683

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

77 16.4 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

1200000

1000000

800000

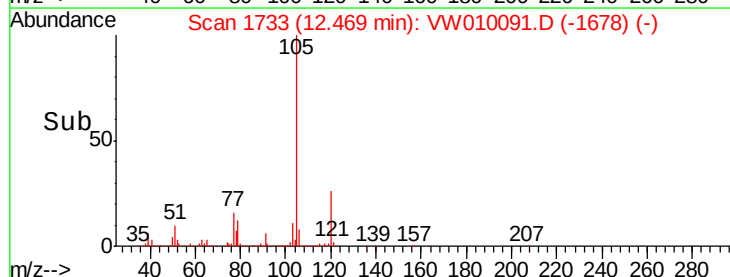
600000

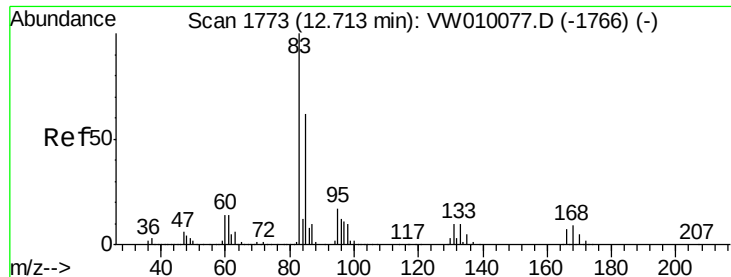
400000

200000

0

Time-->

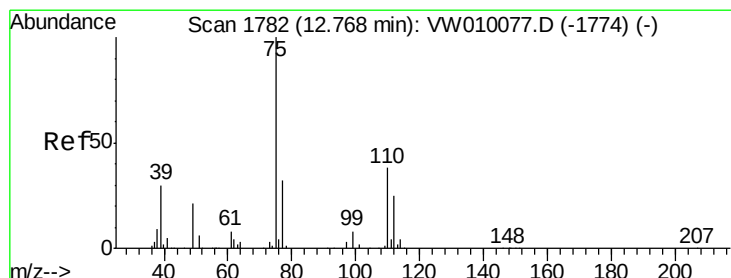
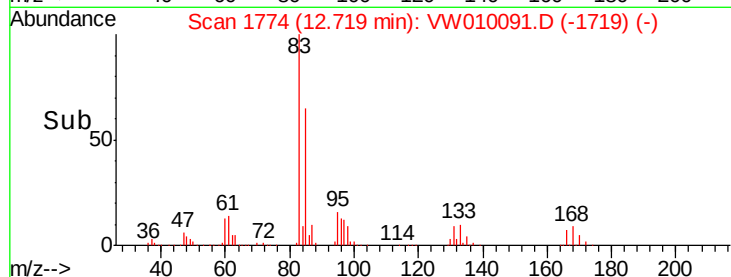
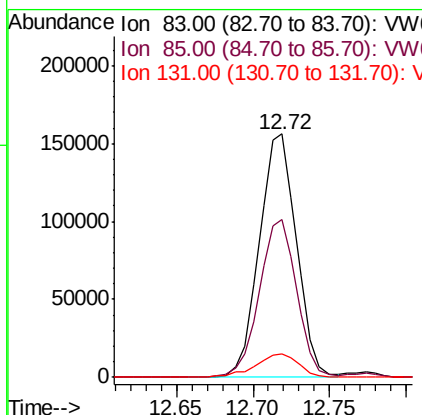
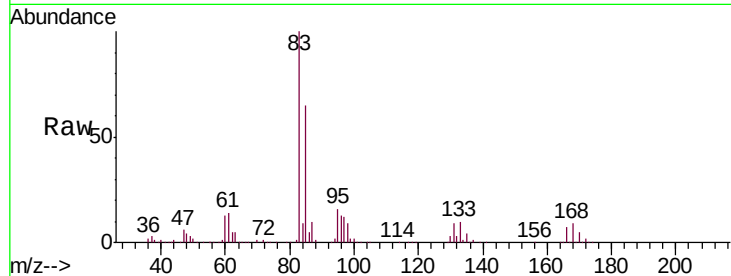




#58
 1,1,2,2-Tetrachloroethane
 Concen: 22.017 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

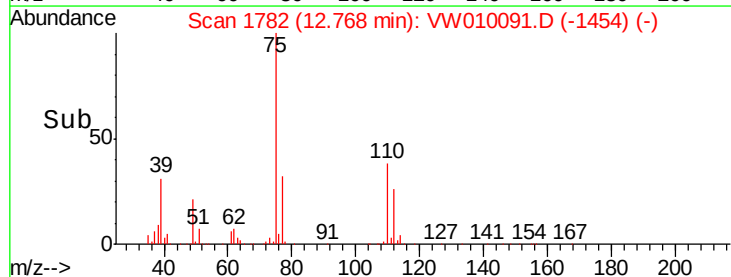
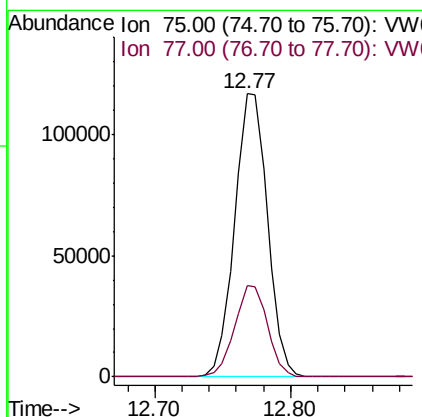
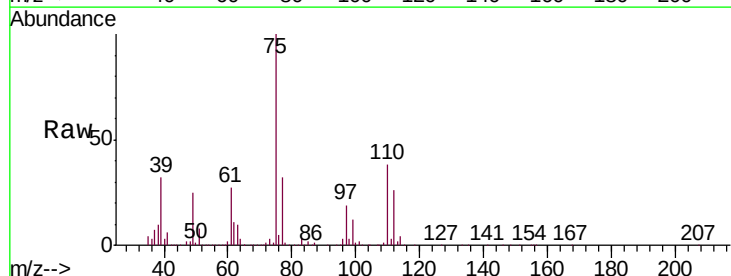
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

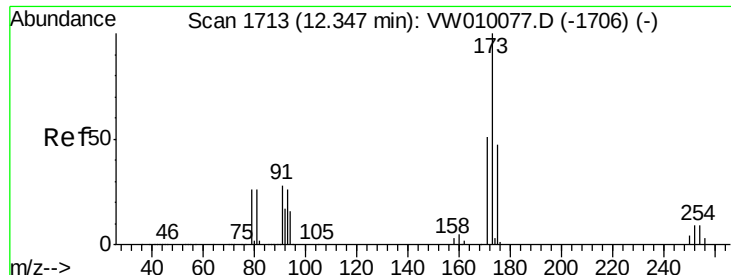
Tgt Ion: 83 Resp: 264125
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.1 81.9
 131 9.5 8.3 12.5



#59
 1,2,3-Trichloropropane
 Concen: 21.916 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

Tgt Ion: 75 Resp: 196763
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6





#62

Bromoform

Concen: 21.882 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

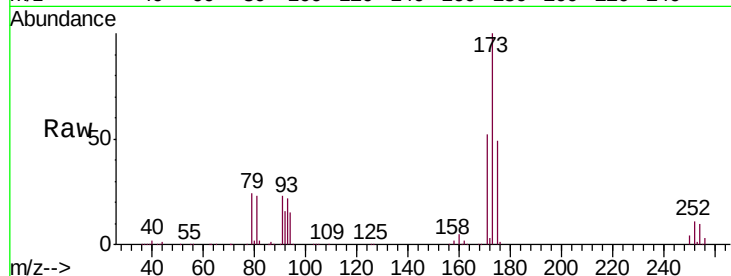
Tgt Ion:173 Resp: 140631

Ion Ratio Lower Upper

173 100

175 49.8 38.4 57.6

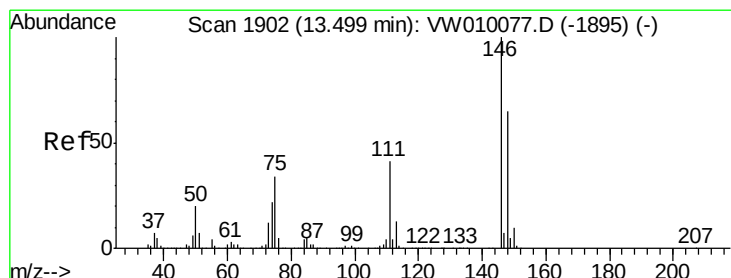
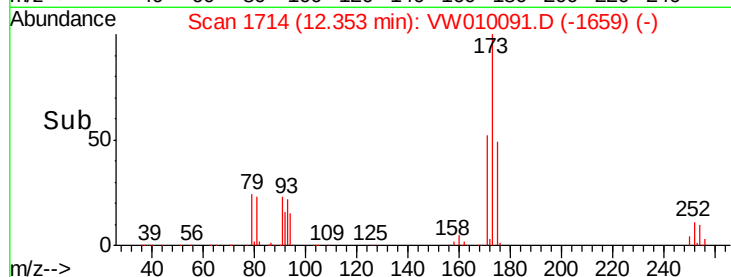
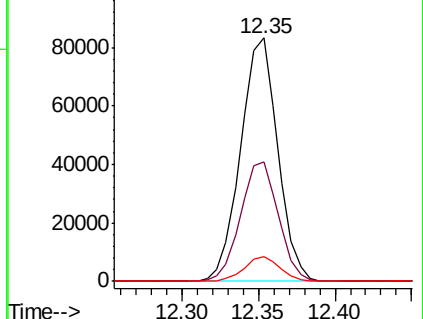
254 10.1 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 26.792 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

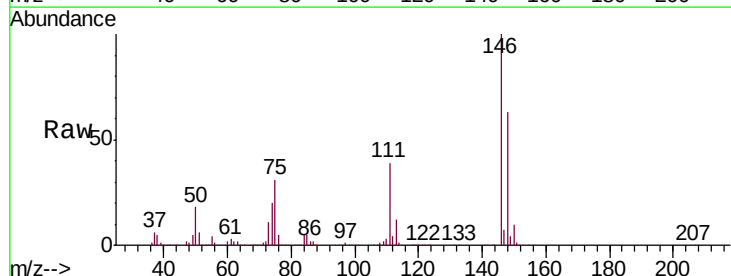
Tgt Ion:146 Resp: 592416

Ion Ratio Lower Upper

146 100

111 39.2 29.3 54.3

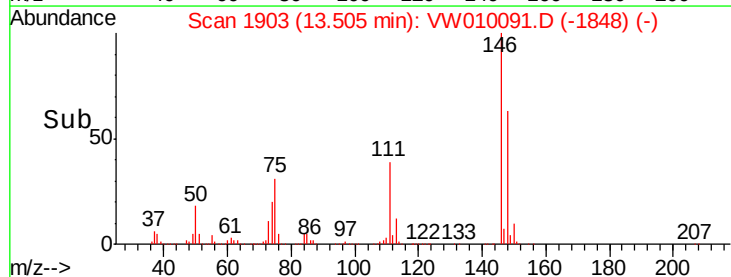
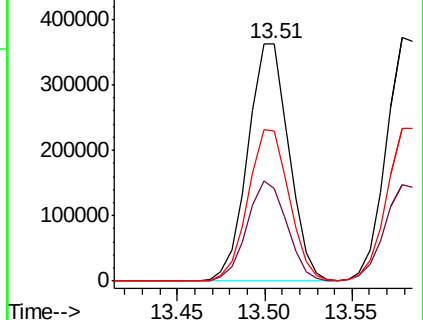
148 63.2 44.1 81.9

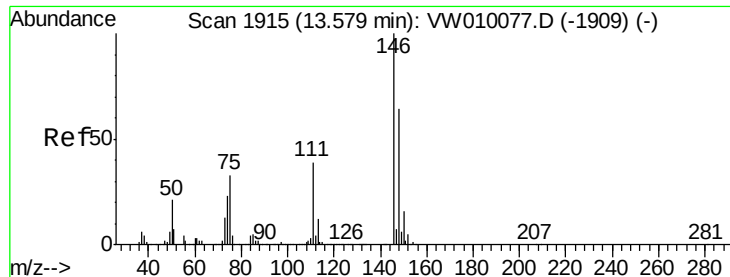


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

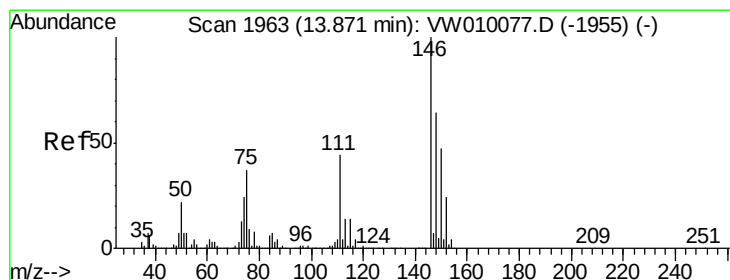
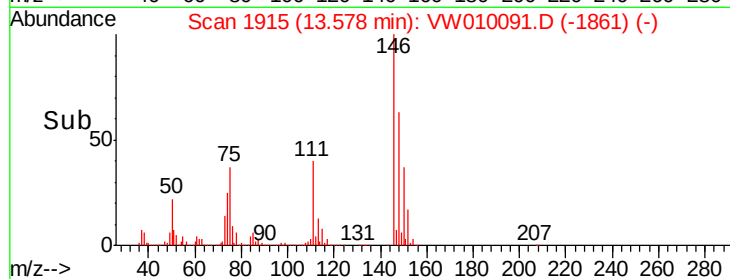
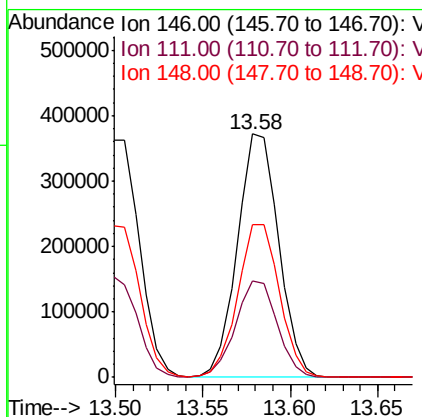
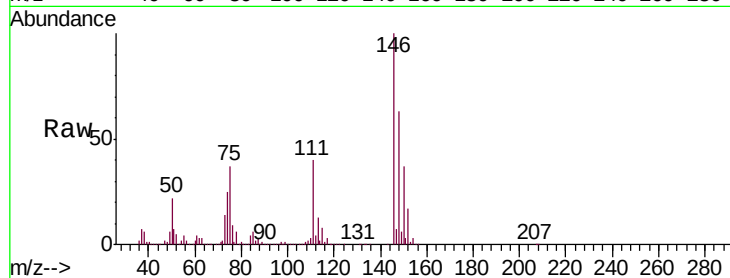




#64
 1,4-Dichlorobenzene
 Concen: 25.816 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

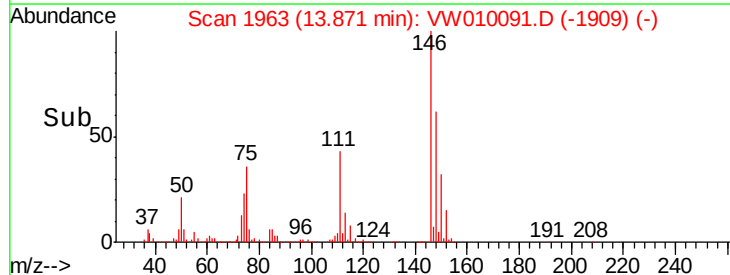
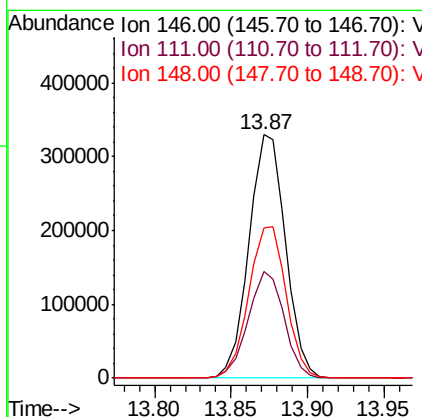
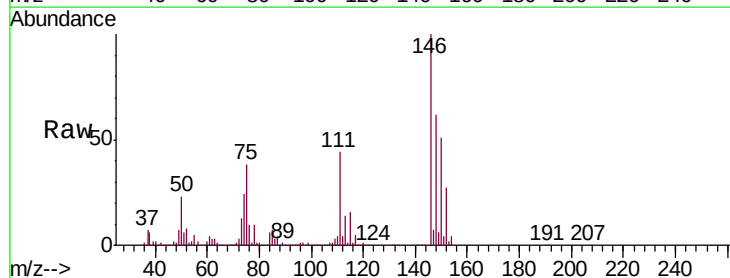
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

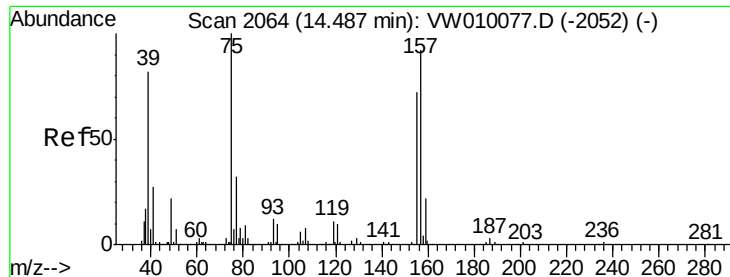
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	28.0	52.0
148	62.8	44.1	81.9



#65
 1,2-Dichlorobenzene
 Concen: 25.311 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	35.0	52.6
148	61.9	50.4	75.6





#66

1,2-Dibromo-3-chloropropane

Concen: 20.431 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

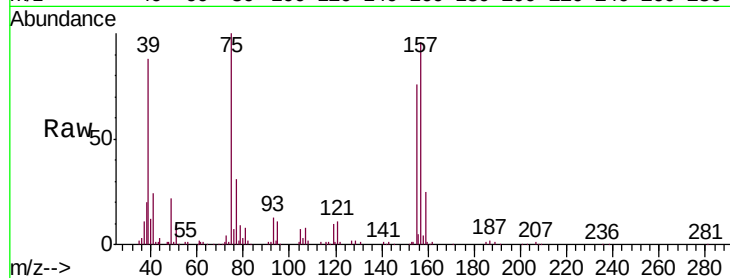
Tgt Ion: 75 Resp: 44858

Ion Ratio Lower Upper

75 100

157 96.1 73.3 109.9

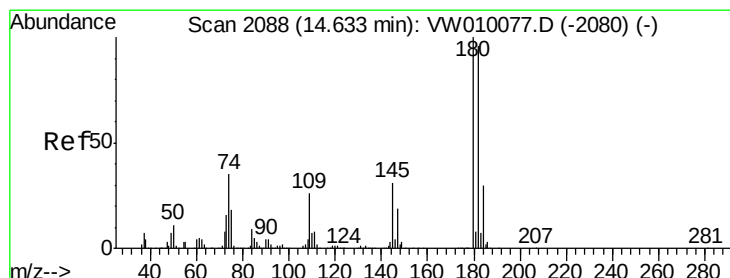
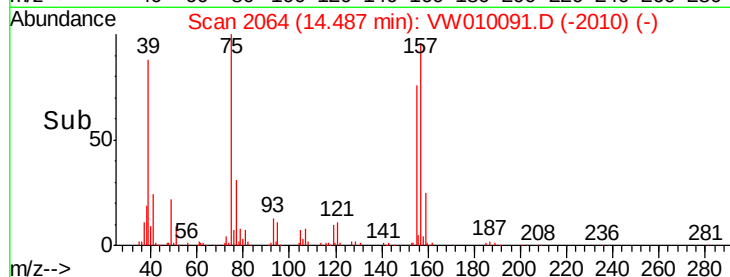
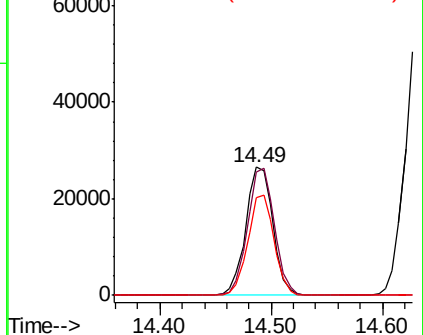
155 76.3 58.6 88.0



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: 27.769 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW010091.D

Acq: 23 Apr 2019 09:36

Tgt Ion: 180 Resp: 449755

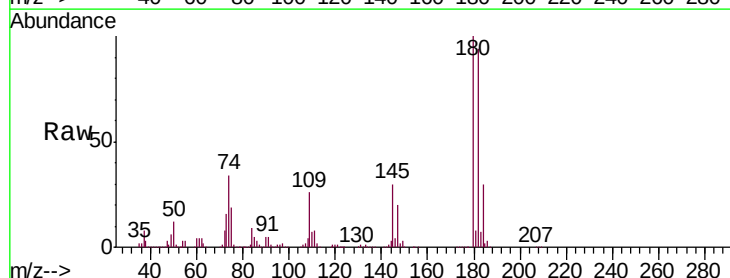
Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

184 29.6 24.0 36.0

145 30.1 24.4 36.6

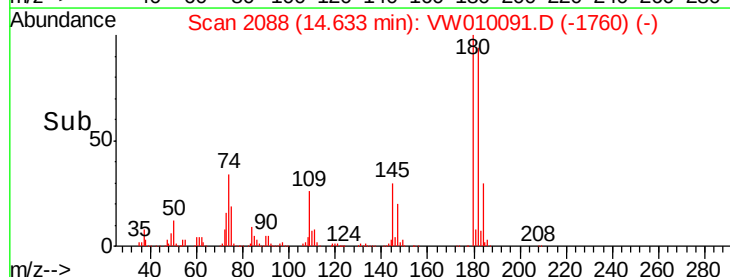
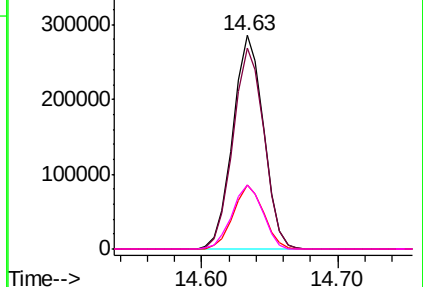


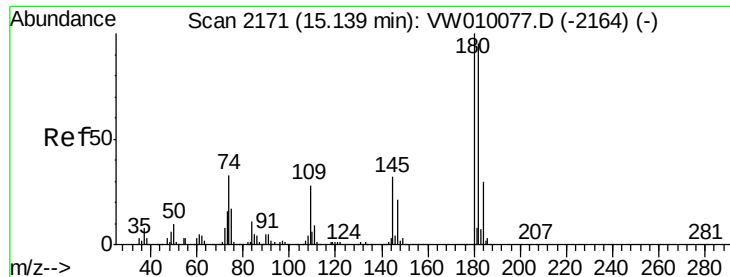
Abundance Ion 180.00 (179.70 to 180.70): V

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

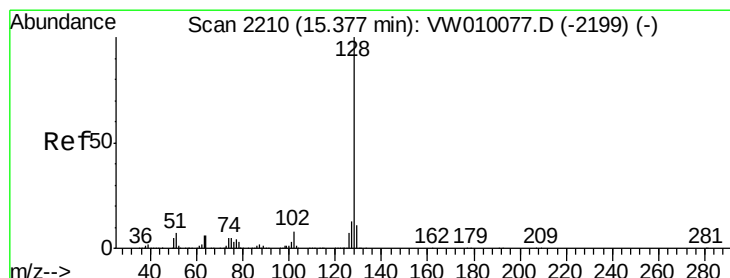
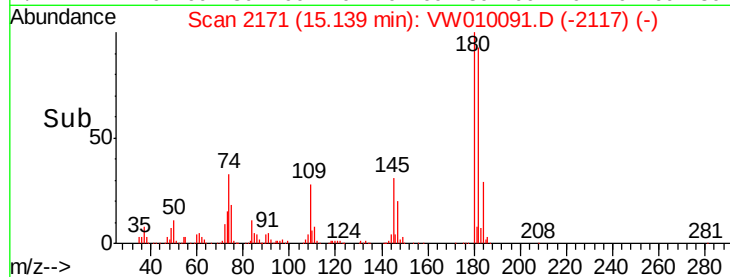
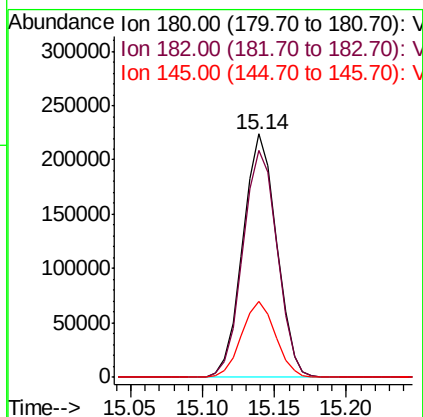
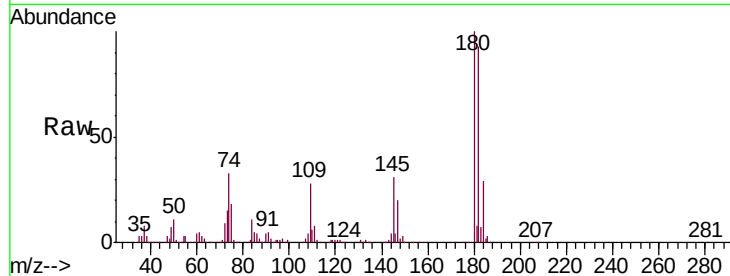




#68
 1,2,4-trichlorobenzene
 Concen: 27.371 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

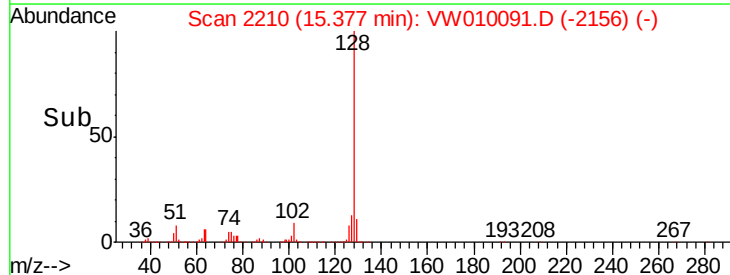
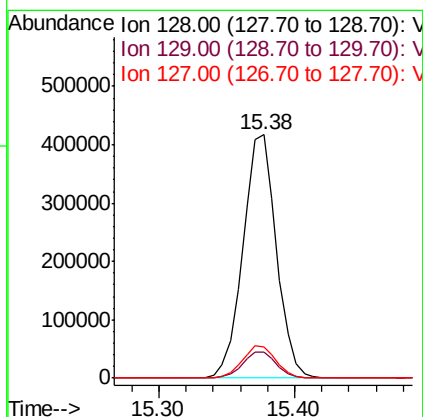
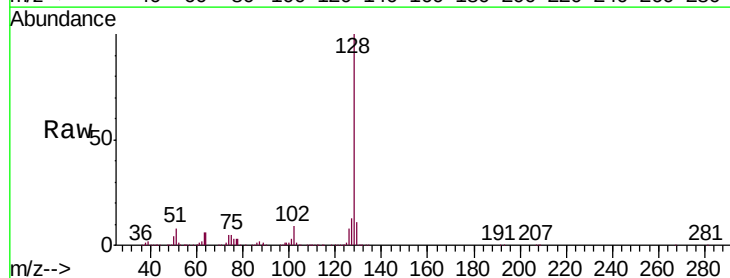
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

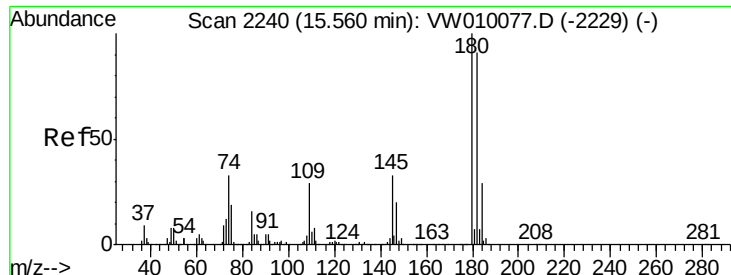
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
145	31.4	25.0	37.4



#69
 Naphthalene
 Concen: 25.149 ug/L
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.4	10.6	16.0

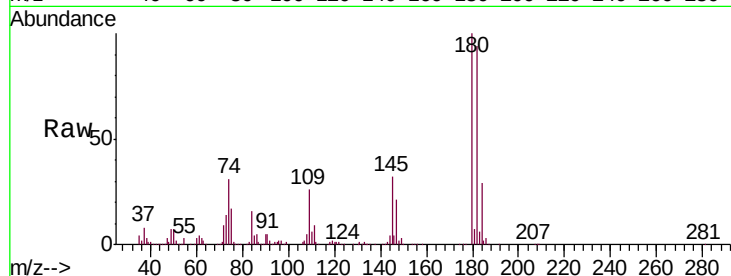




#70
 1,2,3-Trichlorobenzene
 Concen: 26.250 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW010091.D
 Acq: 23 Apr 2019 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.0	114.0
145	32.6	26.3	39.5



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

