

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
 Data File : VW003417.D
 Acq On : 22 Jun 2018 10:20
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

Quant Time: Jun 23 02:02:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 22 07:26:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	378680	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	352823	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	184444	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	110285	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.88%
7) Chloroethane-d5	2.89	69	95136	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.80%
10) 1,1-Dichloroethene-d2	4.01	63	225307	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	7.09	46	89177	55.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.22%
24) Chloroform-d	7.65	84	236039	23.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	8.31	65	143327	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.84%
29) Benzene-d6	8.28	84	441363	23.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.32%
33) 1,2-Dichloropropane-d6	9.28	67	141994	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.33	98	416626	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.12%
38) trans-1,3-Dichloropropene-	10.58	79	65427	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.08%
39) 2-Hexanone-d5	10.93	63	69889	57.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.40%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	146440	26.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.24%
61) 1,2-Dichlorobenzene-d4	13.87	152	160863	23.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	32598	15.673 ug/L	87
3) Chloromethane	2.21	50	87305	19.539 ug/L	99
5) Vinyl chloride	2.36	62	136783	21.152 ug/L	98
6) Bromomethane	2.78	94	75335	20.022 ug/L	98
8) Chloroethane	2.93	64	82711	20.992 ug/L	100
9) Trichlorofluoromethane	3.26	101	81926	22.088 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	107617	21.489 ug/L	98
12) 1,1-Dichloroethene	4.03	96	102408	21.635 ug/L	93
13) Acetone	4.15	43	89735	52.021 ug/L	96
14) Carbon disulfide	4.37	76	323611	21.190 ug/L	98
15) Methyl Acetate	4.68	43	64428	22.787 ug/L	100
16) Methylene chloride	4.91	84	108846	20.860 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	195968	22.438 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	105441	21.379 ug/L	95
19) 1,1-Dichloroethane	6.21	63	198540	21.571 ug/L	98
21) 2-Butanone	7.18	43	96909	47.808 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	112741	21.509 ug/L	94

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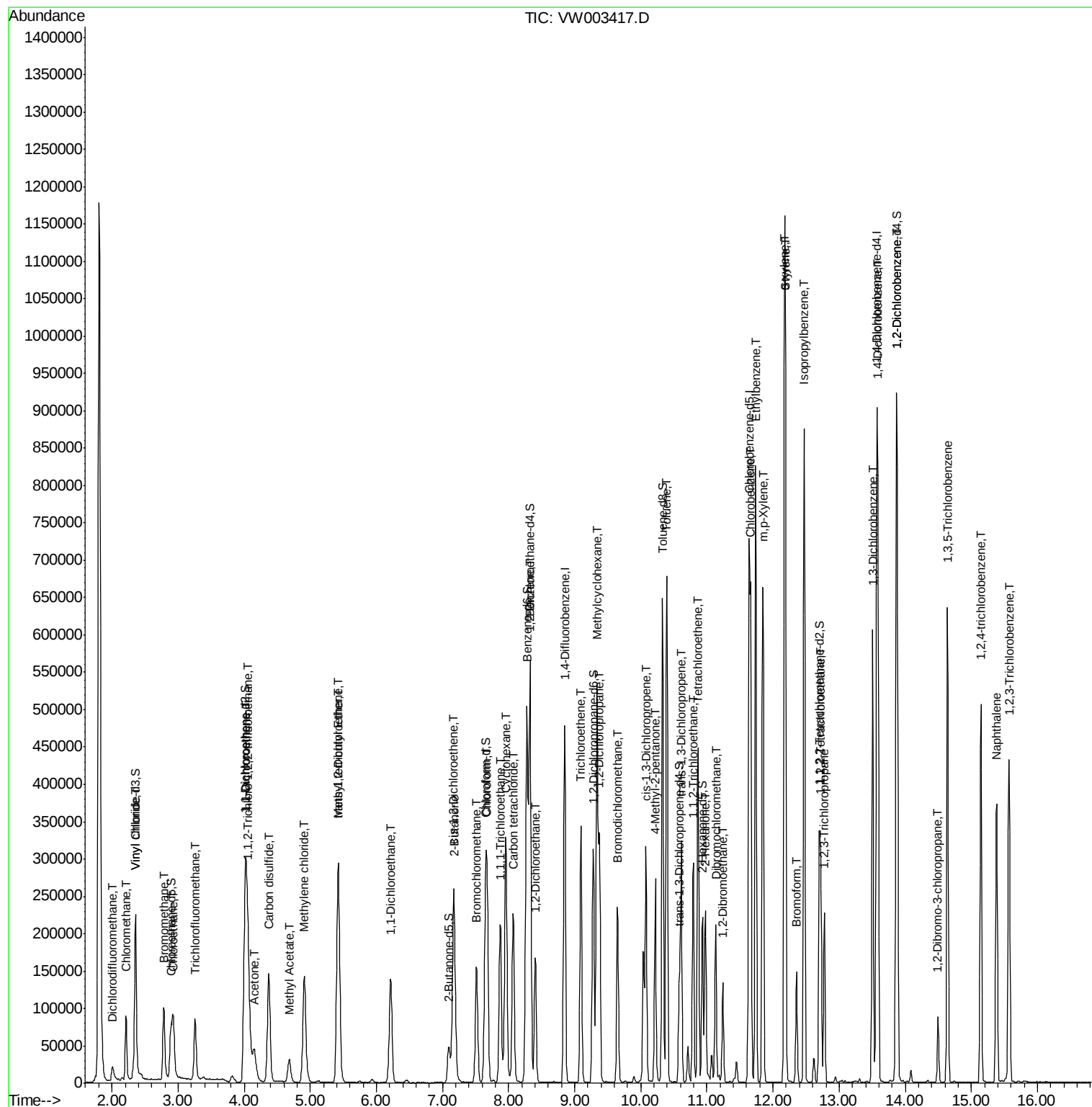
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	52802	21.776	ug/L	96
25) Chloroform	7.68	83	208091	21.990	ug/L	99
27) 1,2-Dichloroethane	8.40	62	153894	22.458	ug/L	100
30) Cyclohexane	7.96	56	183323	22.505	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	169278	21.838	ug/L	99
32) Carbon tetrachloride	8.07	117	162087	21.644	ug/L	99
34) Benzene	8.33	78	448228	22.278	ug/L	100
35) Trichloroethene	9.09	95	116533	21.490	ug/L	99
36) Methylcyclohexane	9.34	83	202240	21.846	ug/L	99
40) 1,2-Dichloropropane	9.37	63	115809	21.873	ug/L	100
41) Bromodichloromethane	9.65	83	149607	21.984	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	178279	22.562	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	179872	47.553	ug/L	99
44) Toluene	10.39	91	484585	22.208	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	162021	22.660	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	88469	22.382	ug/L	98
47) Tetrachloroethene	10.87	164	95559	20.970	ug/L	99
49) 2-Hexanone	10.98	43	148100	52.541	ug/L	98
50) Dibromochloromethane	11.13	129	105623	21.951	ug/L	97
51) 1,2-Dibromoethane	11.24	107	86979	22.145	ug/L	98
52) Chlorobenzene	11.66	112	308534	21.775	ug/L	99
53) Ethylbenzene	11.74	91	548527	22.412	ug/L	98
54) m,p-Xylene	11.85	106	206797	22.750	ug/L	96
55) o-xylene	12.17	106	194568	22.503	ug/L	97
56) Styrene	12.19	104	339362	22.733	ug/L	96
57) Isopropylbenzene	12.47	105	540706	22.539	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	120810	23.185	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	91354	22.877	ug/L	100
62) Bromoform	12.35	173	66348	21.374	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	241475	21.293	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	253430	21.315	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	233736	21.587	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21544	22.673	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	192072	21.796	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	155315	21.649	ug/L	99
69) Naphthalene	15.38	128	308036	22.948	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	146791	22.325	ug/L	99

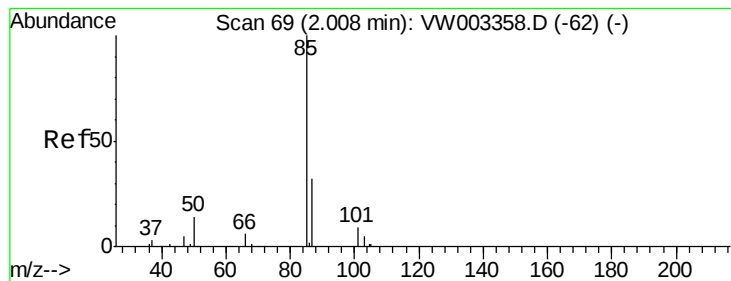
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 15.673 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

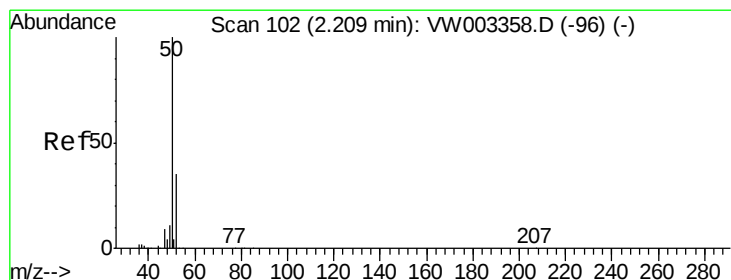
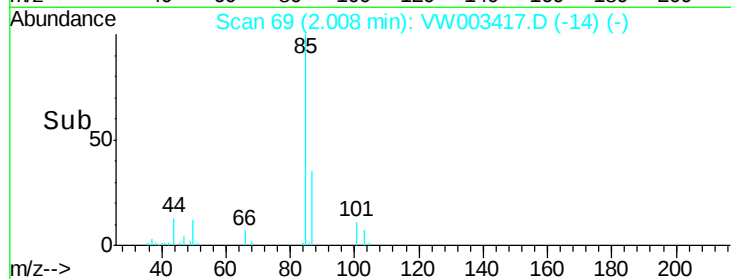
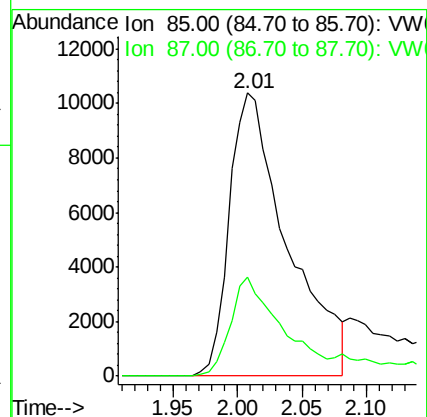
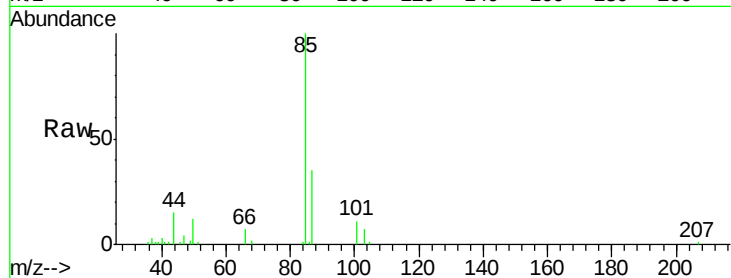
VSTD02597

Tgt Ion: 85 Resp: 32598

Ion Ratio Lower Upper

85 100

87 30.8 17.1 31.7



#3

Chloromethane

Concen: 19.539 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003417.D

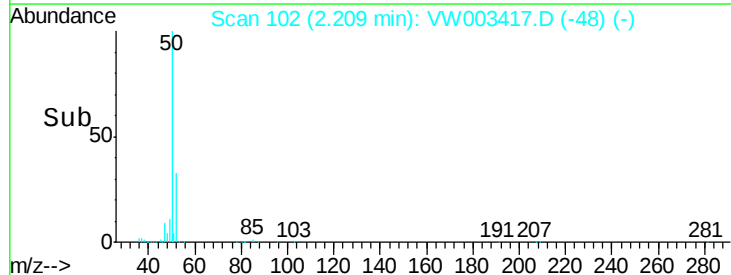
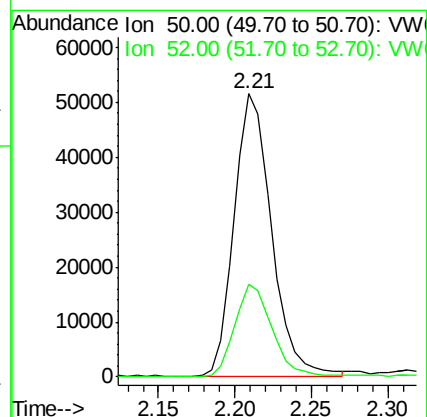
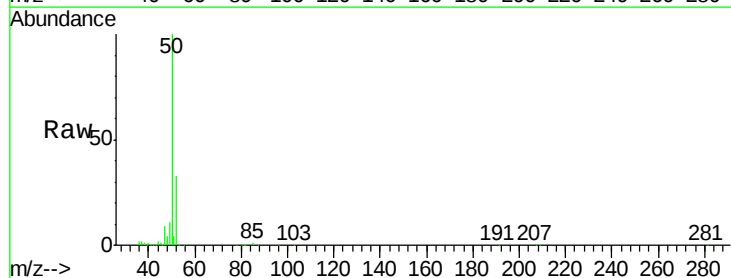
Acq: 22 Jun 2018 10:20

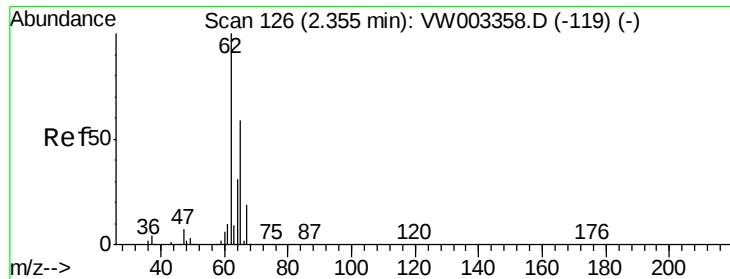
Tgt Ion: 50 Resp: 87305

Ion Ratio Lower Upper

50 100

52 32.8 23.3 43.3





#5

Vinyl chloride

Concen: 21.152 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

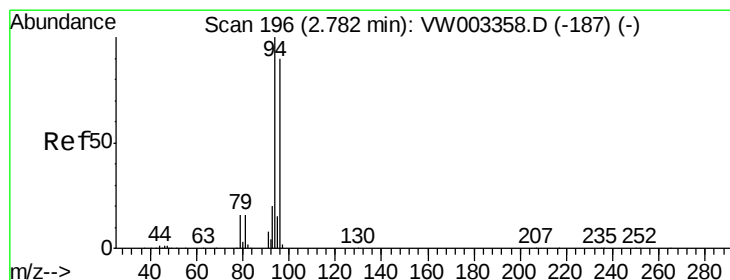
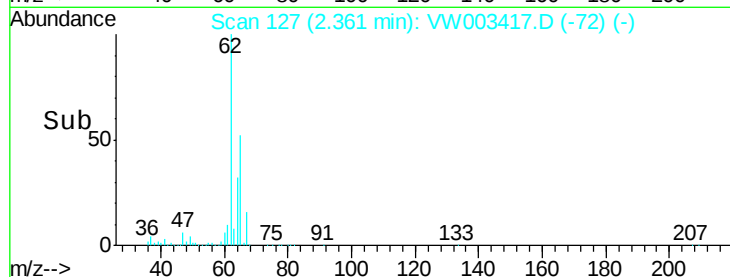
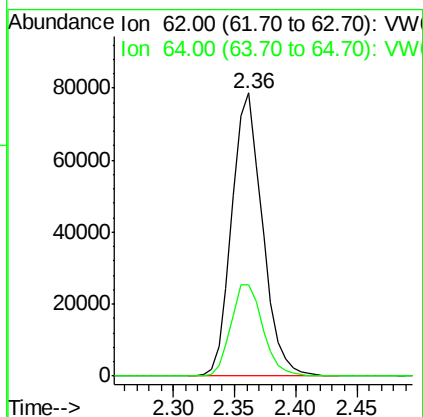
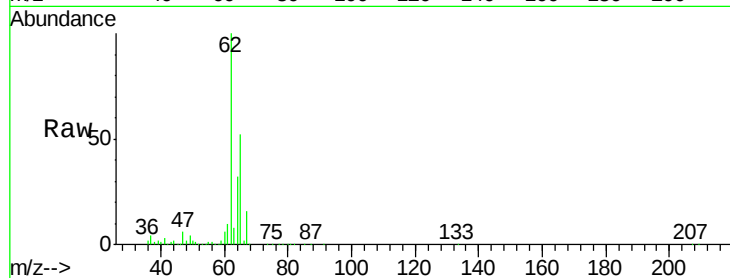
VSTD02597

Tgt Ion: 62 Resp: 136783

Ion Ratio Lower Upper

62 100

64 32.3 23.5 43.7



#6

Bromomethane

Concen: 20.022 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003417.D

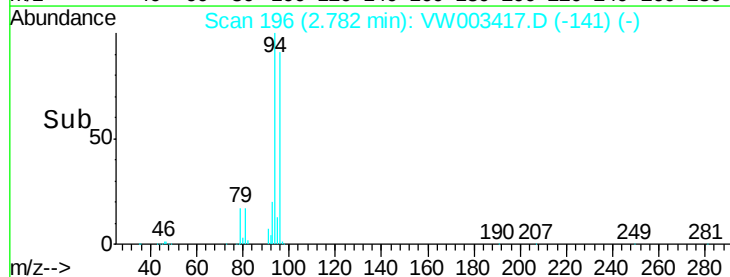
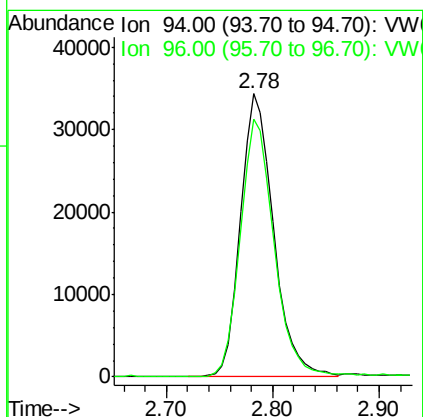
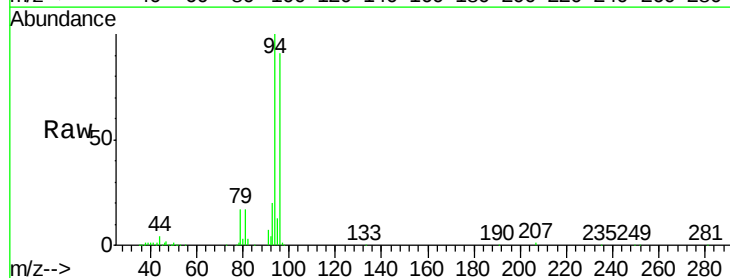
Acq: 22 Jun 2018 10:20

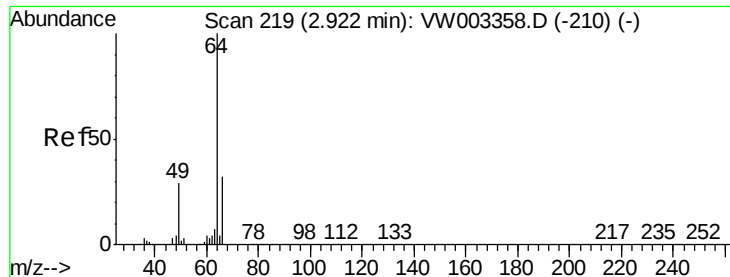
Tgt Ion: 94 Resp: 75335

Ion Ratio Lower Upper

94 100

96 92.7 9.5 180.3





#8

Chloroethane

Concen: 20.992 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

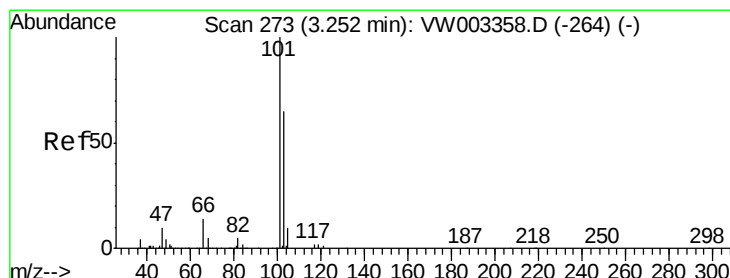
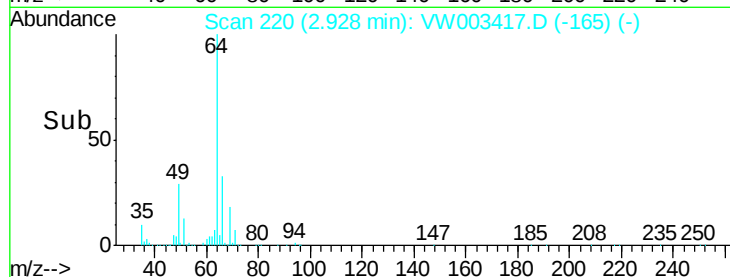
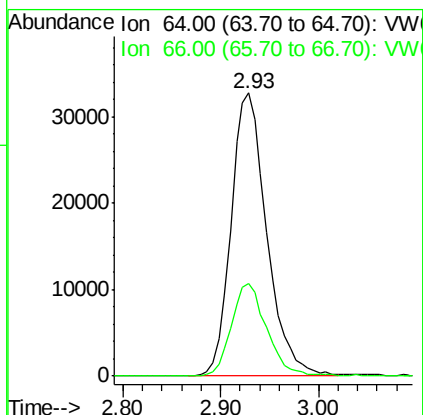
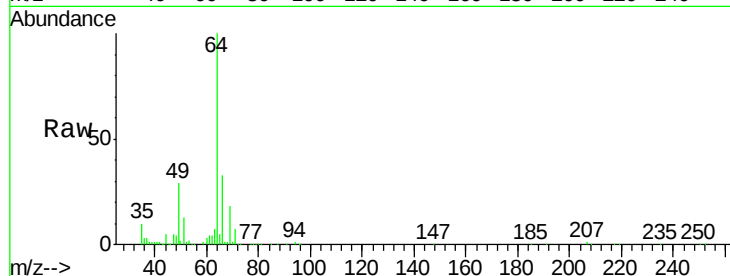
VSTD02597

Tgt Ion: 64 Resp: 82711

Ion Ratio Lower Upper

64 100

66 32.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 22.088 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW003417.D

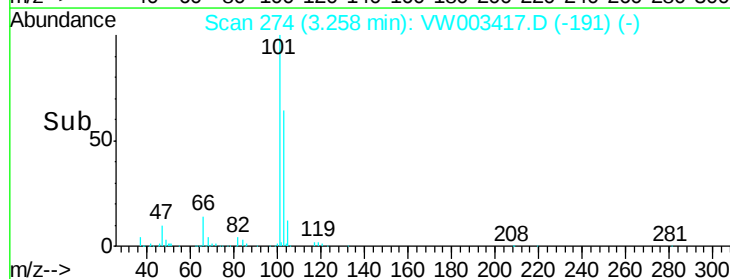
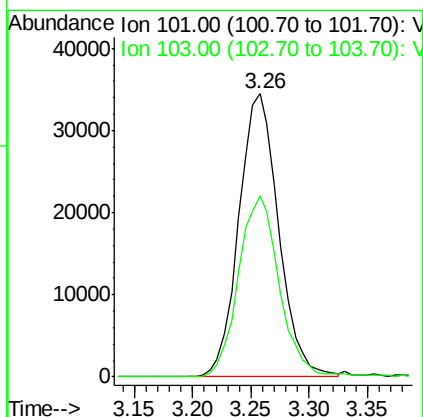
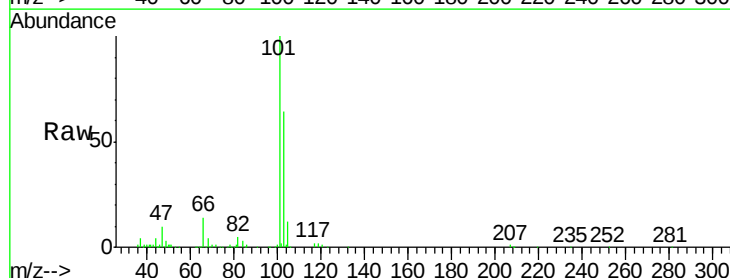
Acq: 22 Jun 2018 10:20

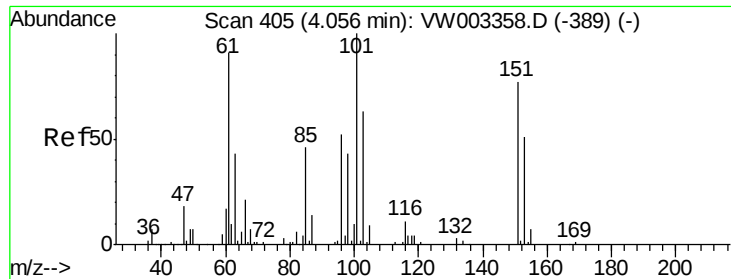
Tgt Ion: 101 Resp: 81926

Ion Ratio Lower Upper

101 100

103 65.0 45.1 83.7





#11

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

Concen: 21.489 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

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VSTD02597

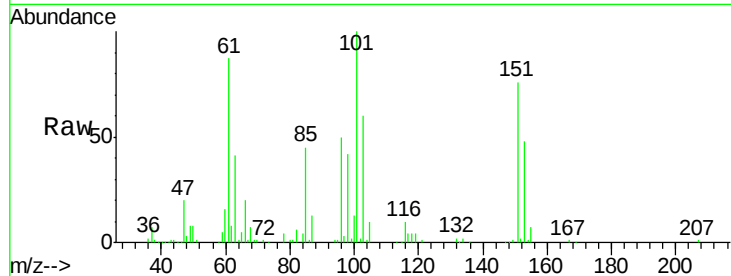
Tgt Ion:101 Resp: 107617

Ion Ratio Lower Upper

101 100

85 43.2 35.4 53.0

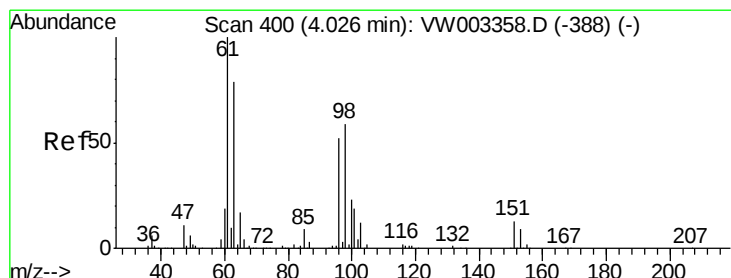
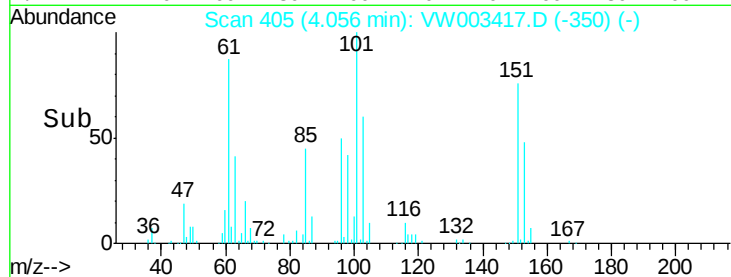
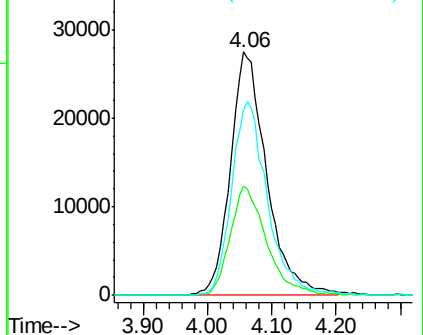
151 78.8 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.635 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

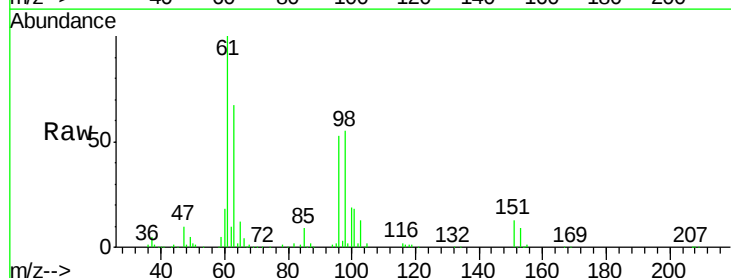
Tgt Ion: 96 Resp: 102408

Ion Ratio Lower Upper

96 100

61 187.3 124.1 230.5

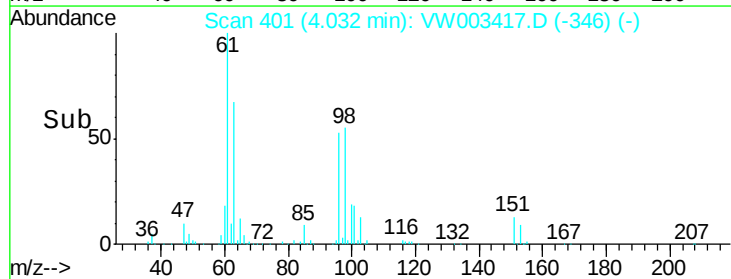
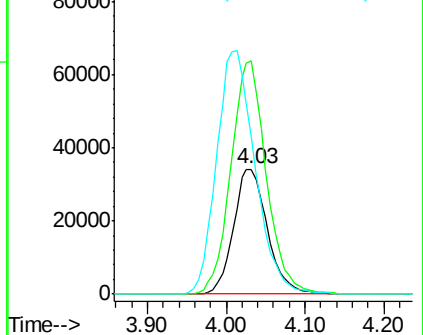
63 125.9 93.1 172.9

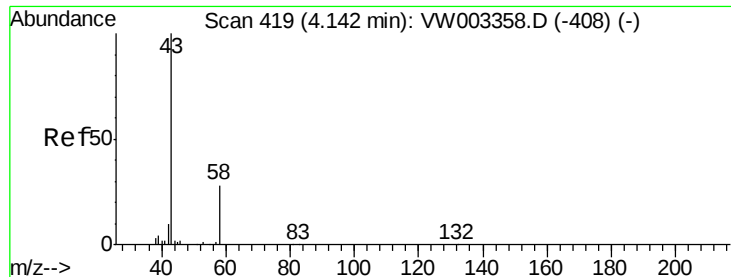


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.021 ug/L

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003417.D

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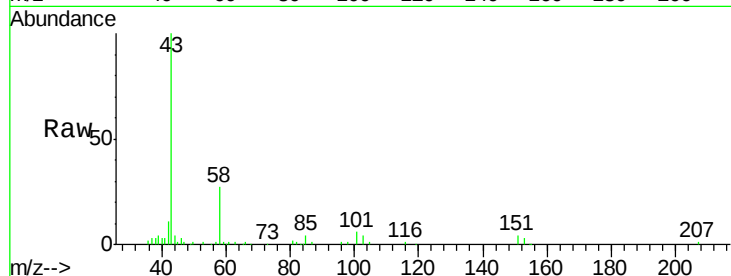
VSTD02597

Tgt Ion: 43 Resp: 89735

Ion Ratio Lower Upper

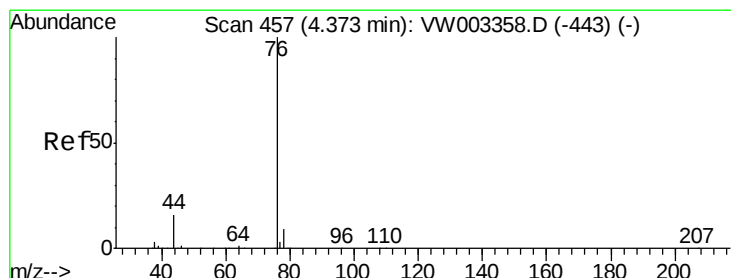
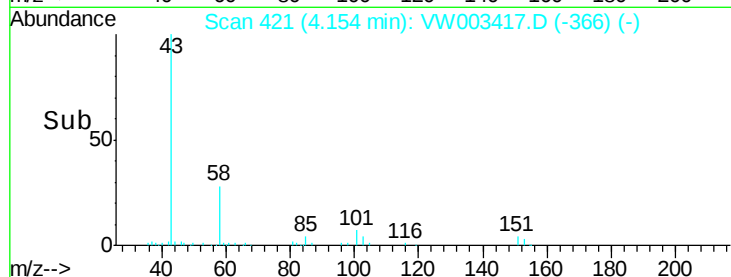
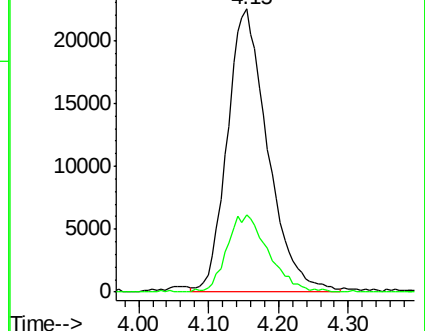
43 100

58 27.0 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 21.190 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003417.D

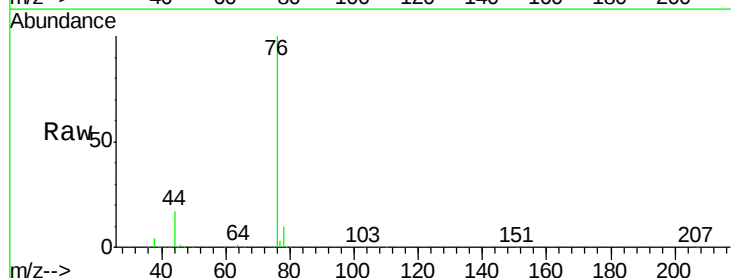
Acq: 22 Jun 2018 10:20

Tgt Ion: 76 Resp: 323611

Ion Ratio Lower Upper

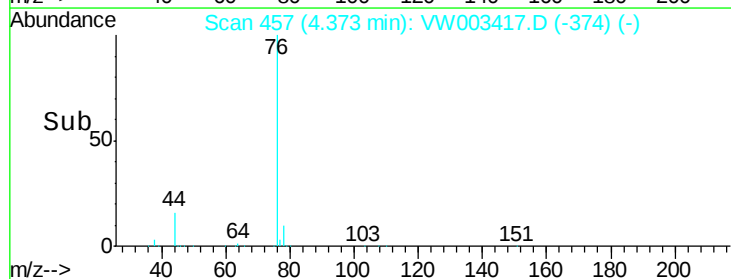
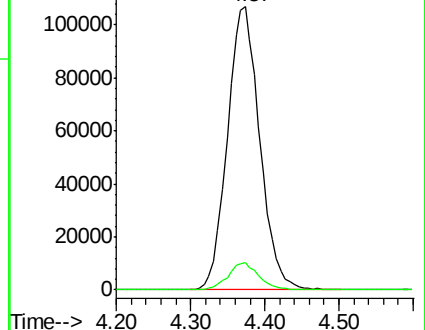
76 100

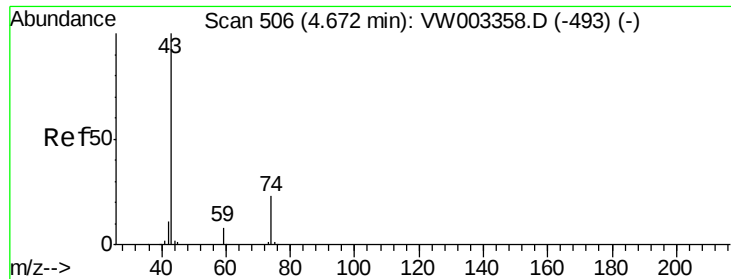
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

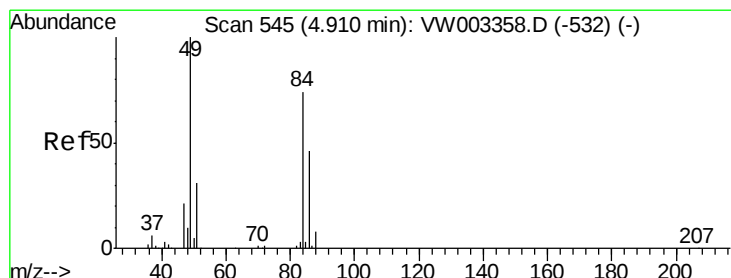
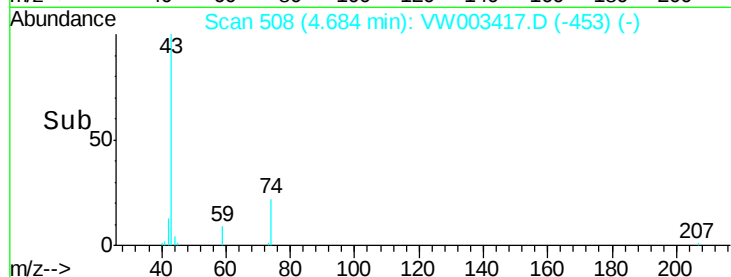
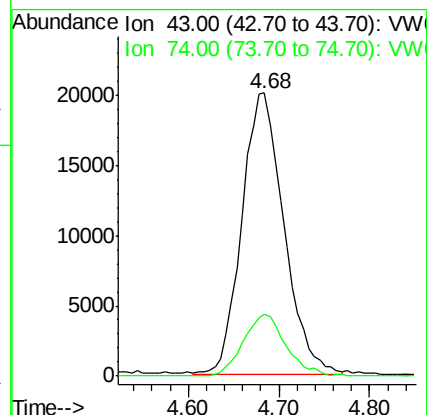
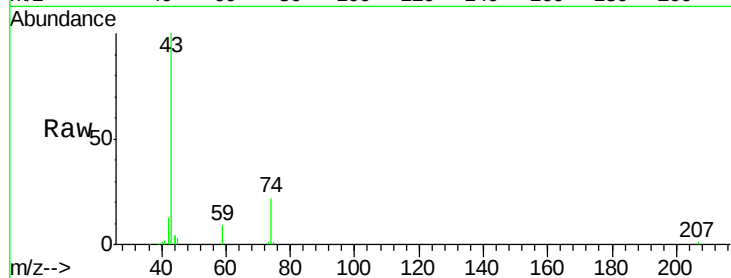




#15
Methyl Acetate
Concen: 22.787 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

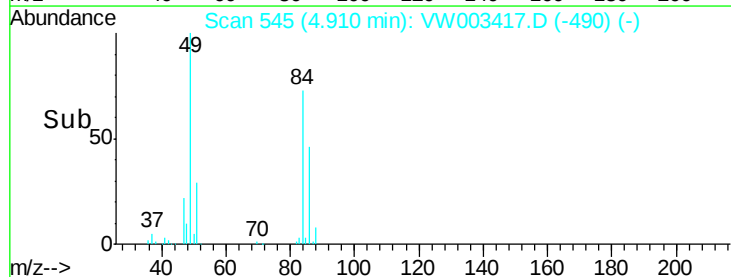
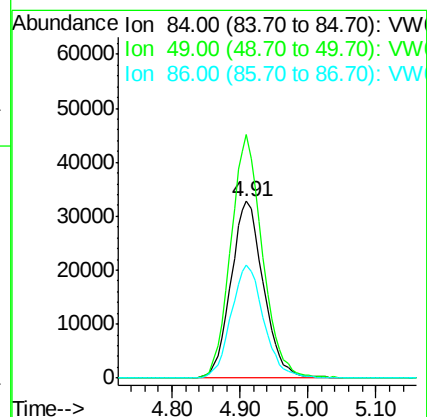
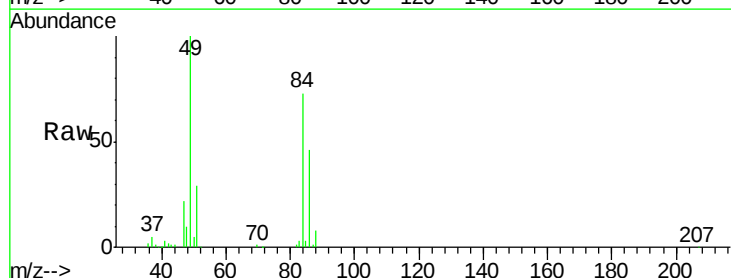
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

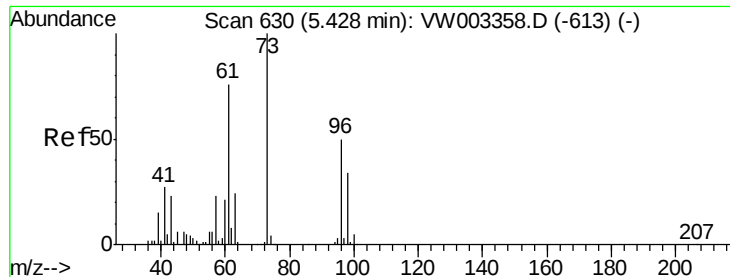
Tgt Ion: 43 Resp: 64428
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3



#16
Methylene chloride
Concen: 20.860 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion: 84 Resp: 108846
Ion Ratio Lower Upper
84 100
49 137.6 88.7 164.7
86 63.9 44.2 82.0

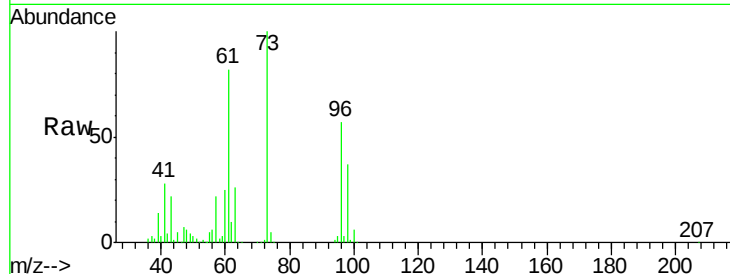




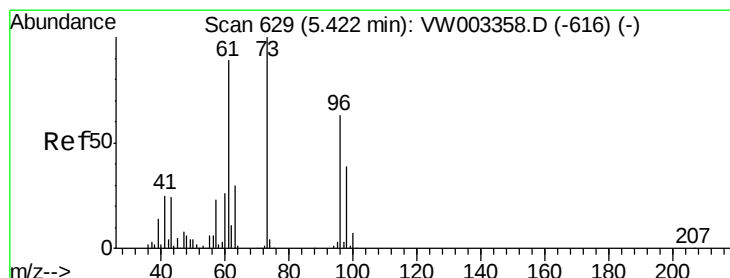
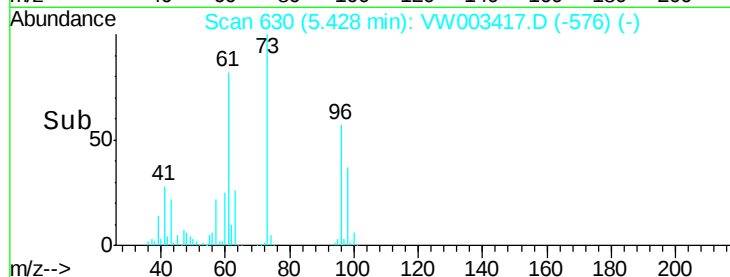
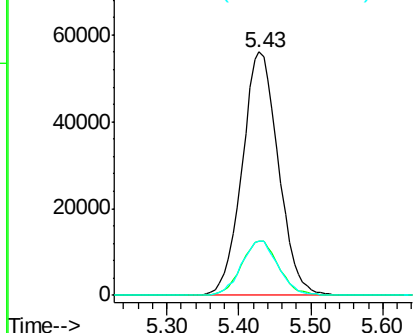
#17
Methyl tert-butyl Ether
Concen: 22.438 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

Tgt Ion: 73 Resp: 195968
Ion Ratio Lower Upper
73 100
43 22.6 18.6 27.8
57 22.7 18.1 27.1

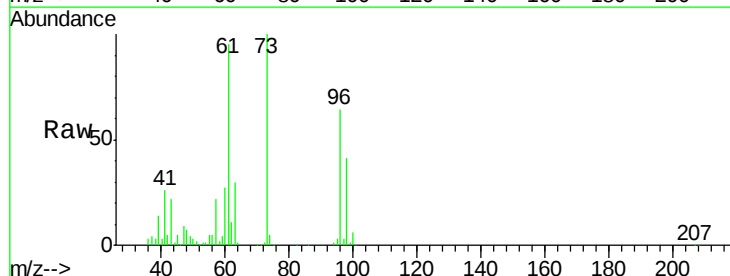


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

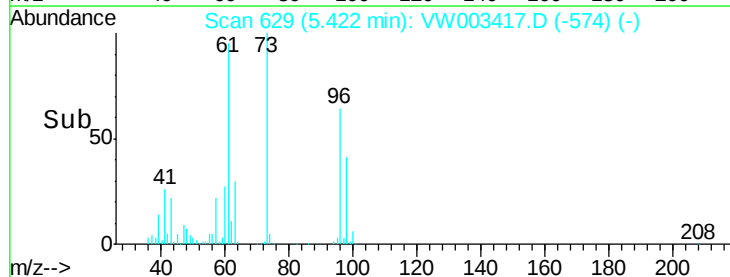
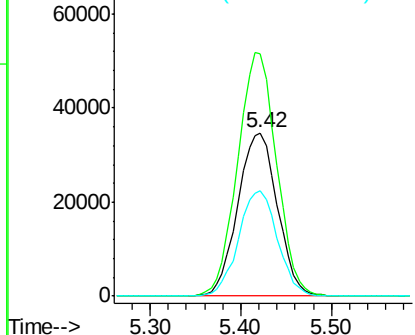


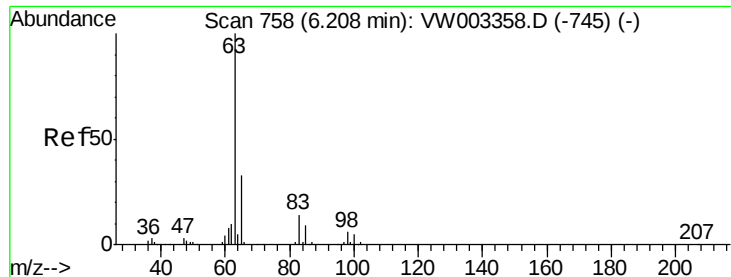
#18
trans-1,2-Dichloroethene
Concen: 21.379 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion: 96 Resp: 105441
Ion Ratio Lower Upper
96 100
61 148.1 98.0 182.0
98 64.3 44.2 82.2



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: 21.571 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

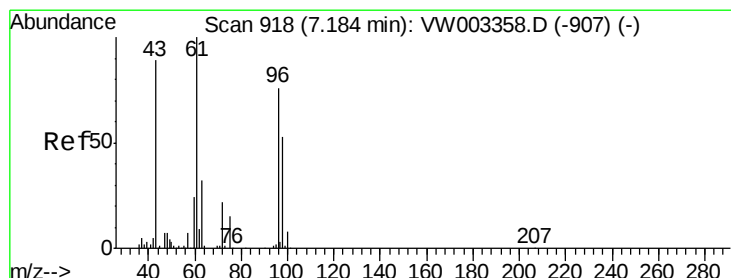
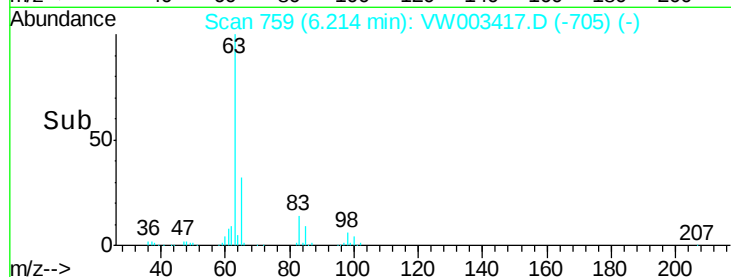
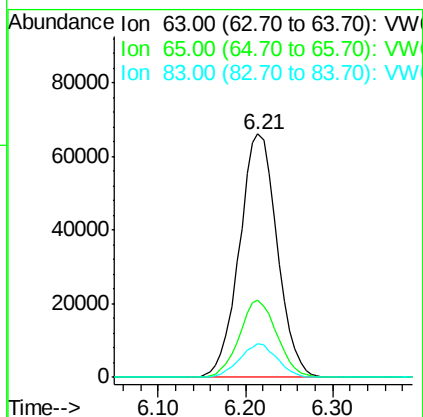
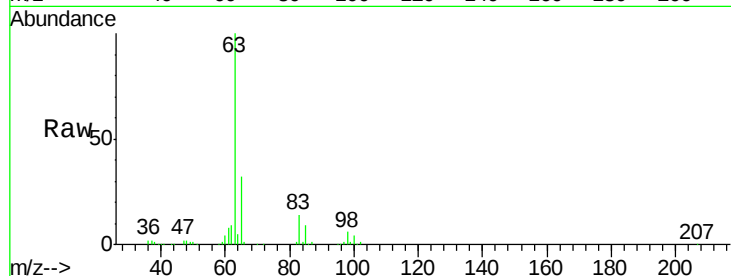
Tgt Ion: 63 Resp: 198540

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.4

83 14.0 9.0 16.6



#21

2-Butanone

Concen: 47.808 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003417.D

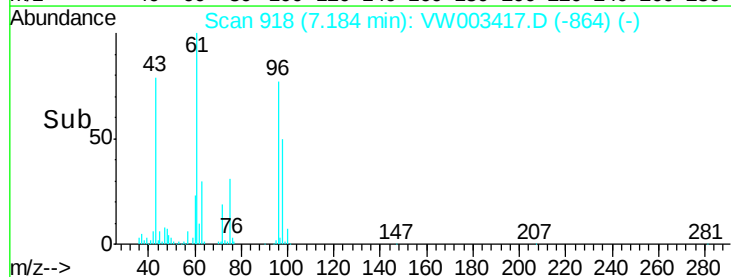
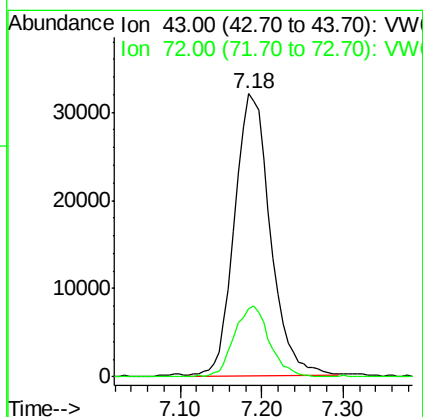
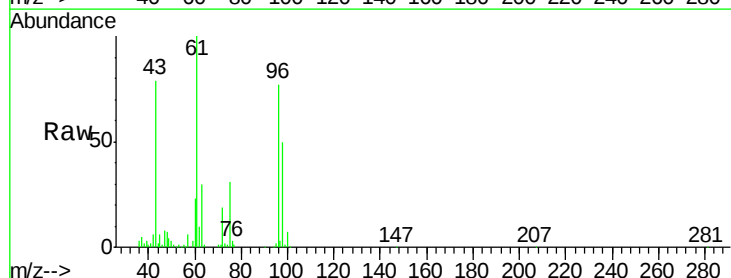
Acq: 22 Jun 2018 10:20

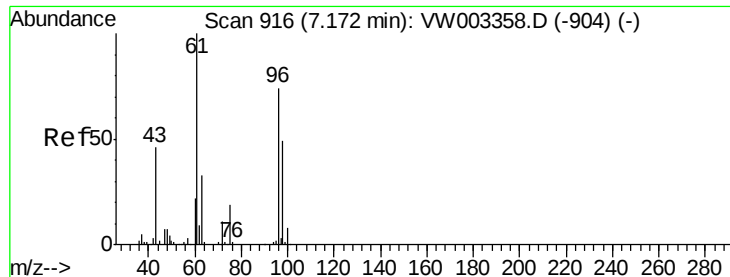
Tgt Ion: 43 Resp: 96909

Ion Ratio Lower Upper

43 100

72 25.0 12.5 37.5



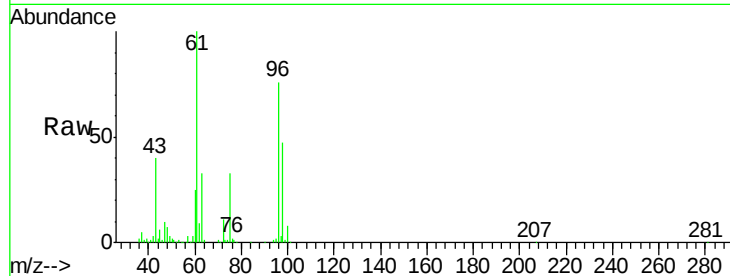


#22

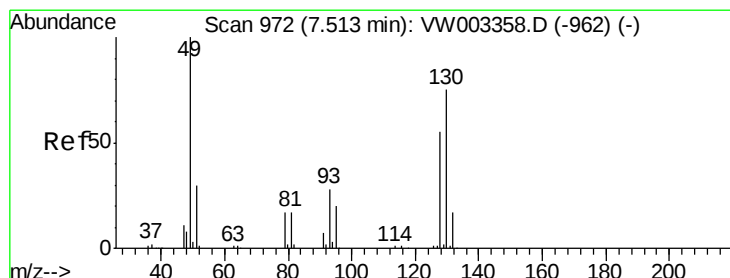
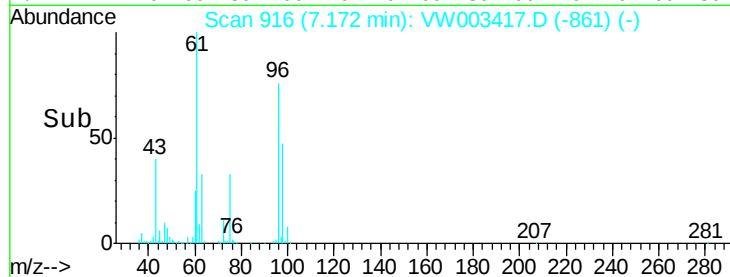
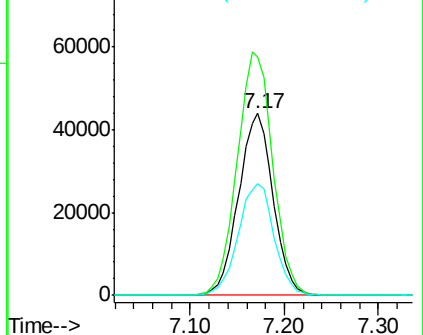
cis-1,2-Dichloroethene
Concen: 21.509 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

Tgt Ion: 96 Resp: 112741
Ion Ratio Lower Upper
96 100
61 131.1 97.7 181.5
98 61.4 45.0 83.6



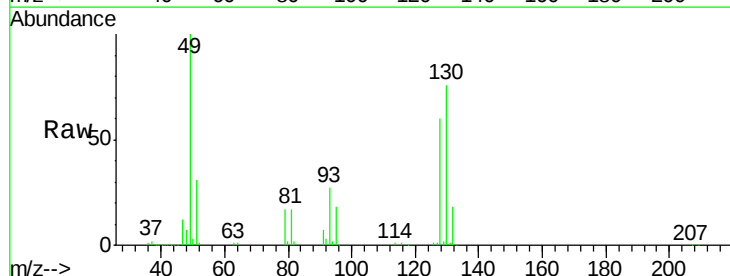
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



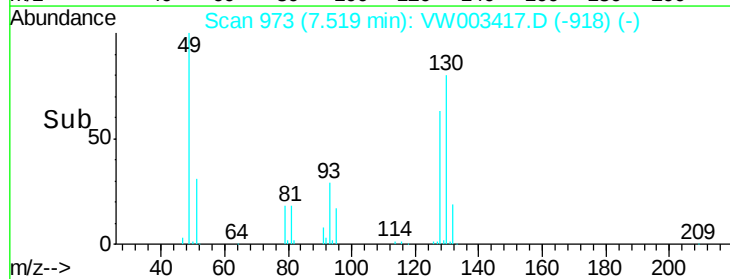
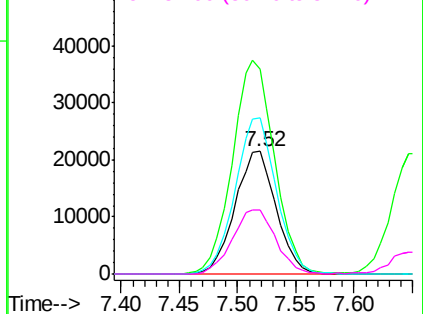
#23

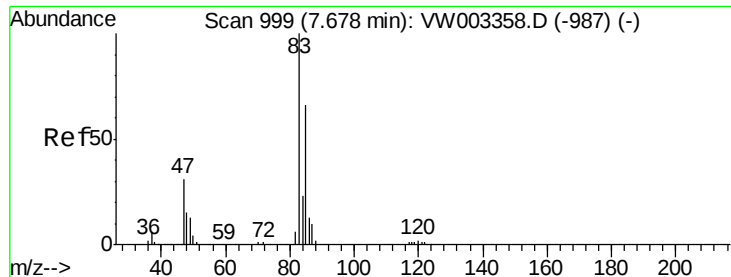
Bromochloromethane
Concen: 21.776 ug/L
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion: 128 Resp: 52802
Ion Ratio Lower Upper
128 100
49 167.0 122.0 226.6
130 127.4 88.1 163.5
51 51.7 43.5 65.3



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

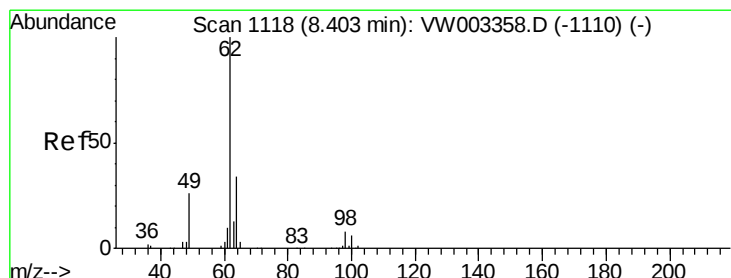
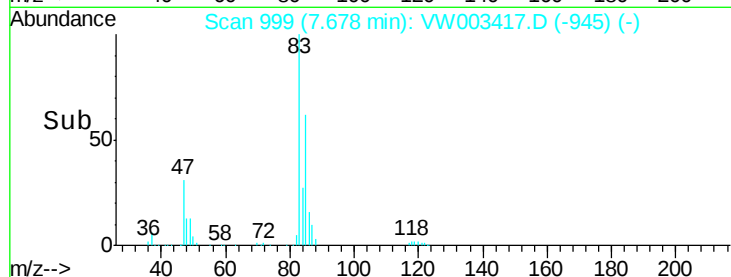
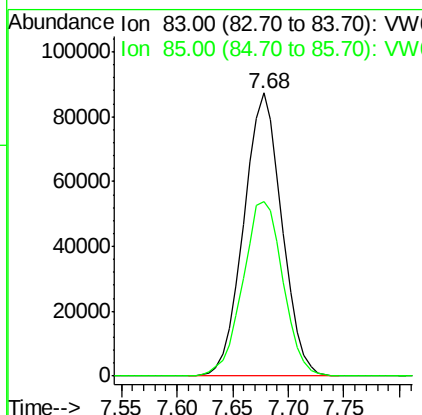
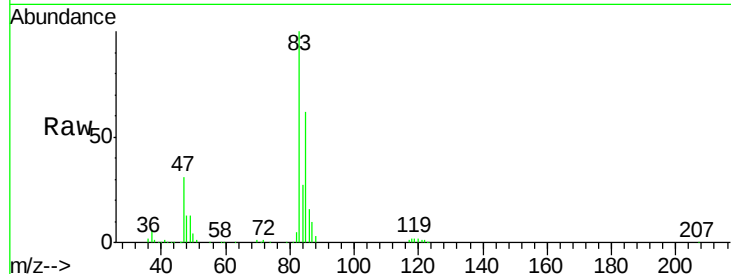




#25
Chloroform
Concen: 21.990 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

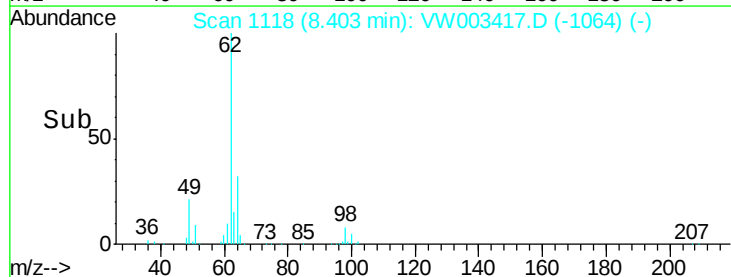
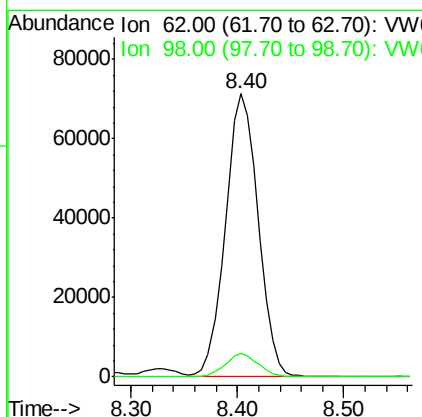
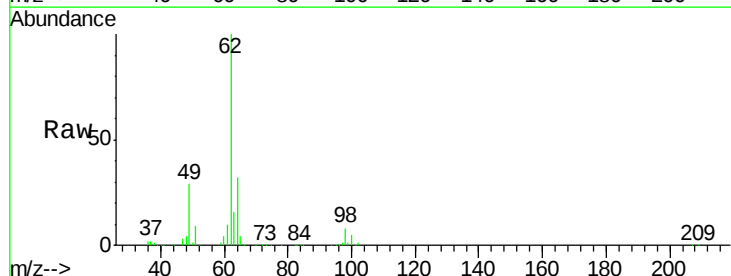
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

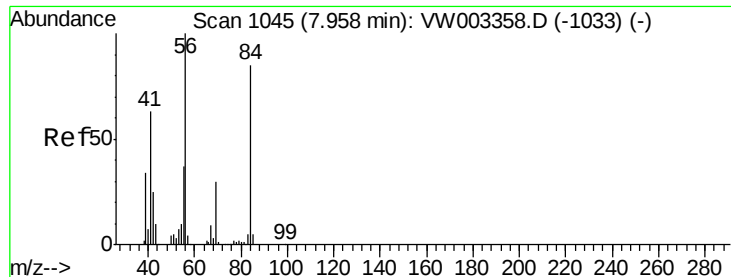
Tgt Ion: 83 Resp: 208091
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 22.458 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion: 62 Resp: 153894
Ion Ratio Lower Upper
62 100
98 8.2 6.5 9.7

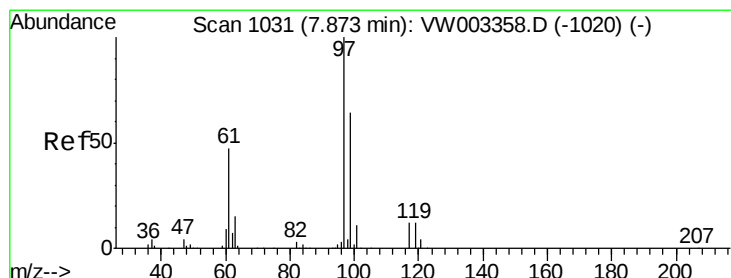
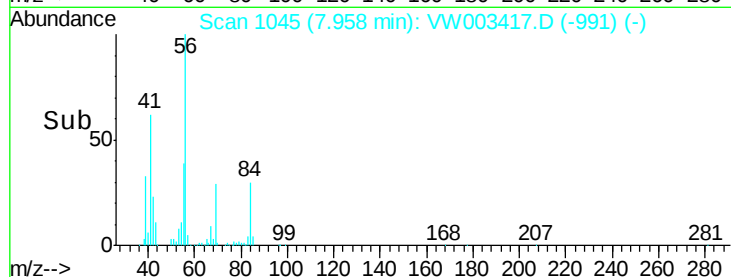
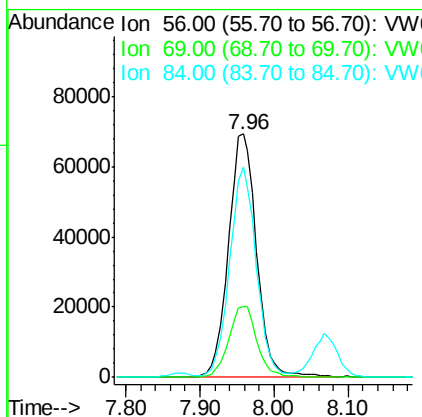
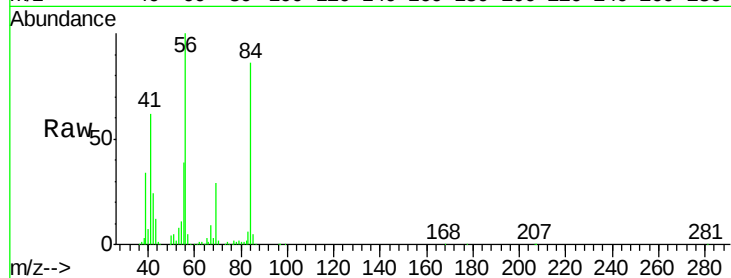




#30
Cyclohexane
Concen: 22.505 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

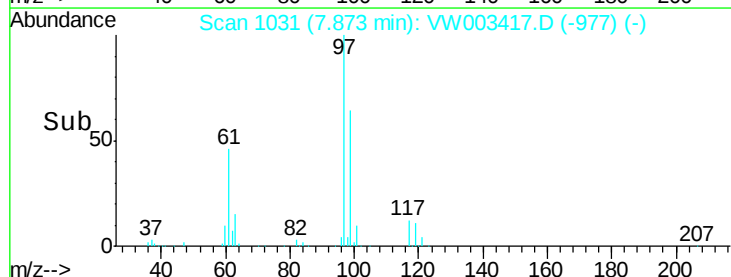
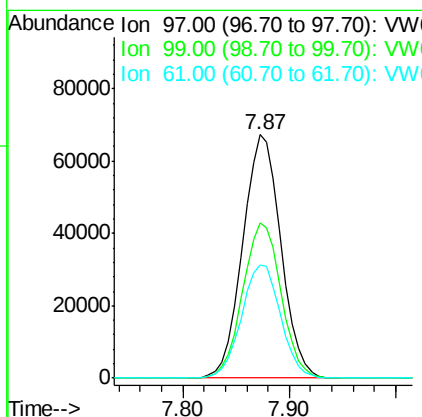
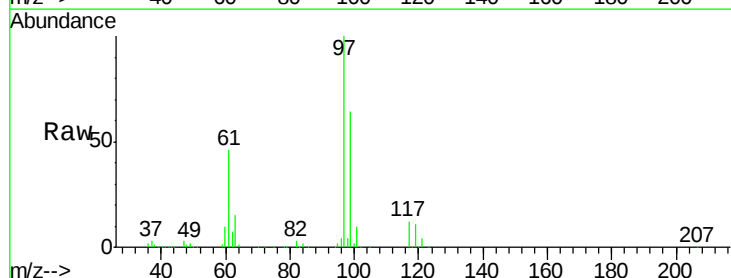
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

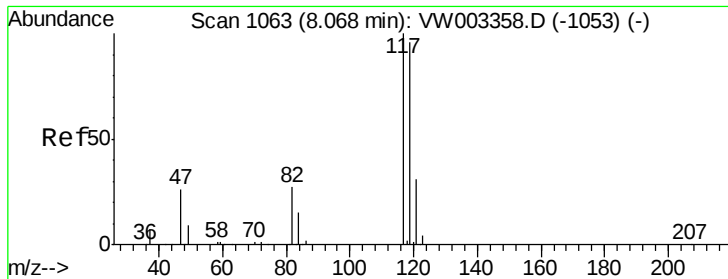
Tgt Ion: 56 Resp: 183323
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.2
84 82.2 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 21.838 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion: 97 Resp: 169278
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 47.5 37.7 56.5





#32

Carbon tetrachloride

Concen: 21.644 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

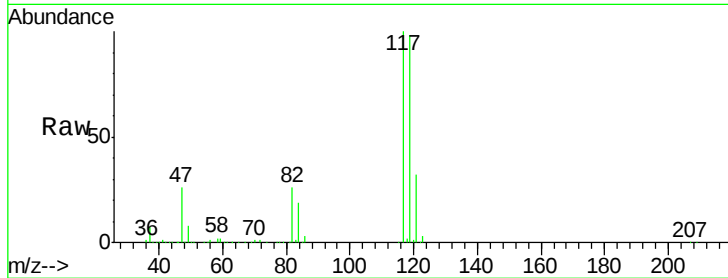
VSTD02597

Tgt Ion:117 Resp: 162087

Ion Ratio Lower Upper

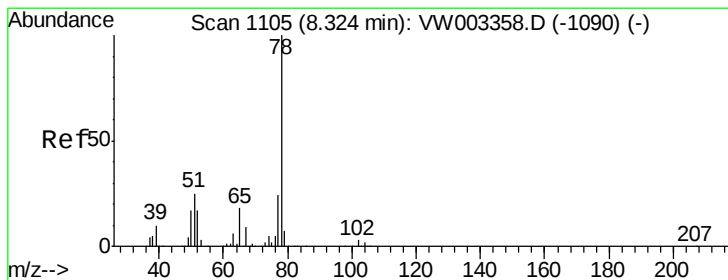
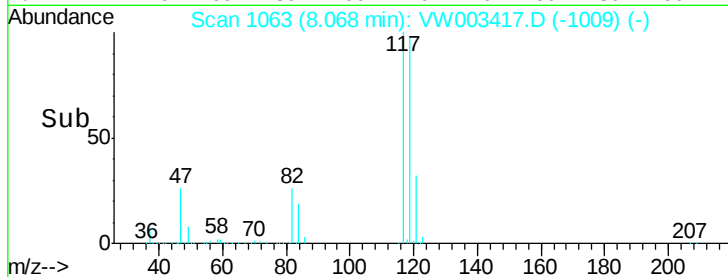
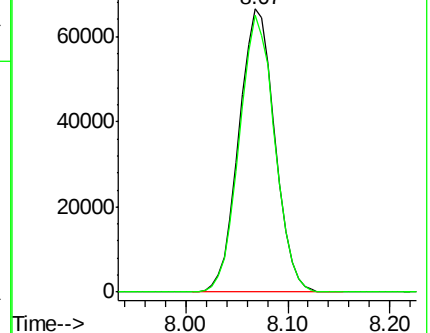
117 100

119 96.5 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.278 ug/L

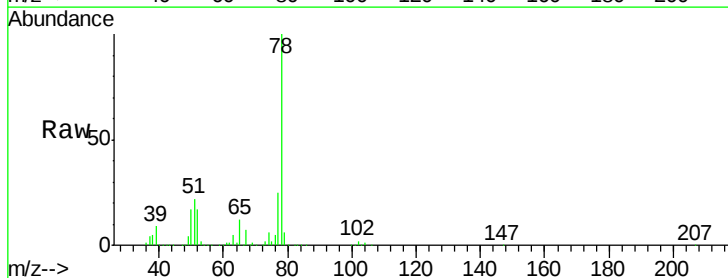
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

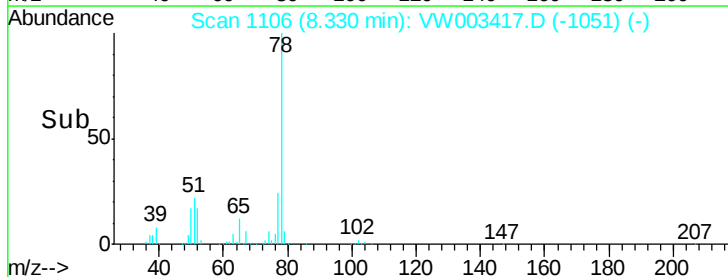
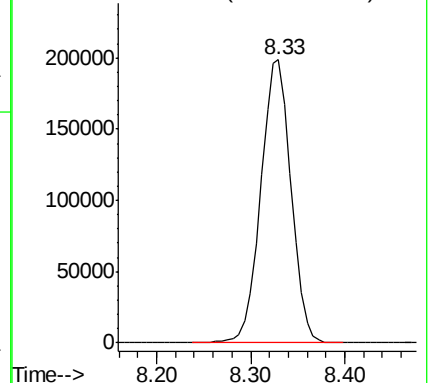
Lab File: VW003417.D

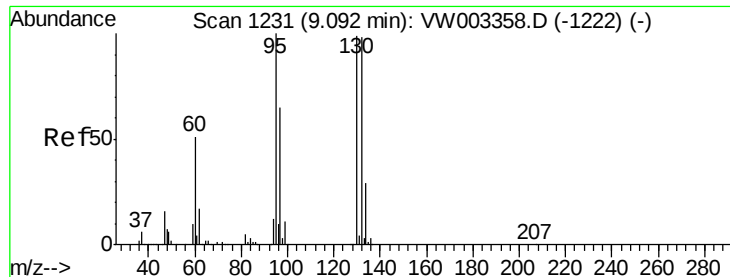
Acq: 22 Jun 2018 10:20

Tgt Ion: 78 Resp: 448228



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 21.490 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

Tgt Ion: 95 Resp: 116533

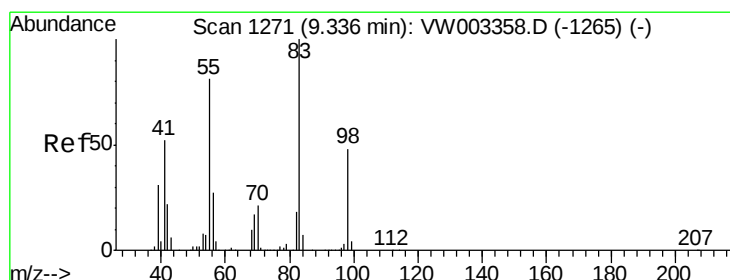
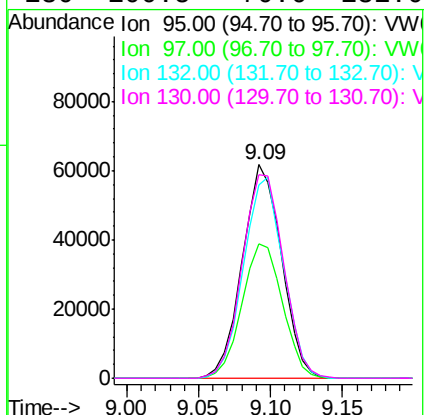
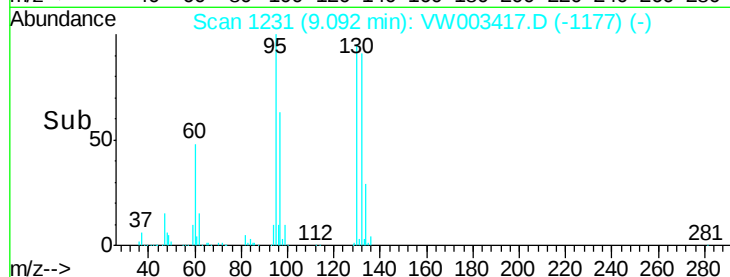
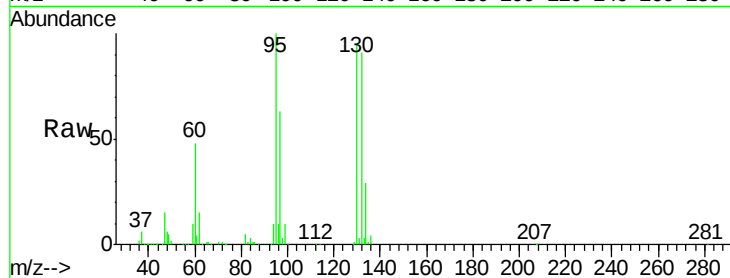
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.6

132 95.6 67.8 125.8

130 100.5 70.6 131.0



#36

Methylcyclohexane

Concen: 21.846 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

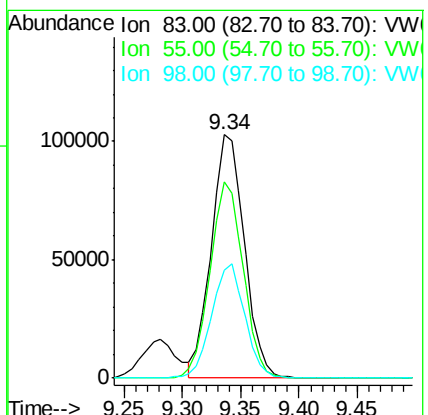
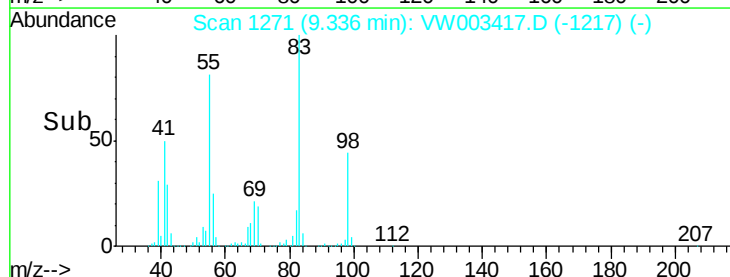
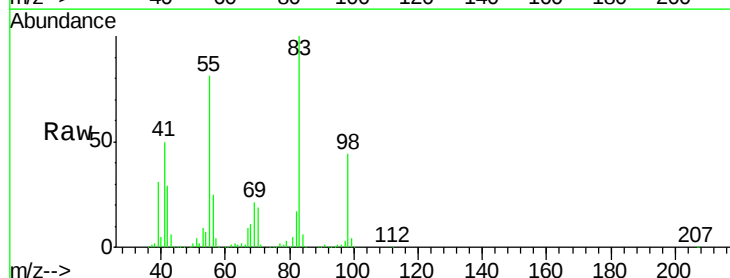
Tgt Ion: 83 Resp: 202240

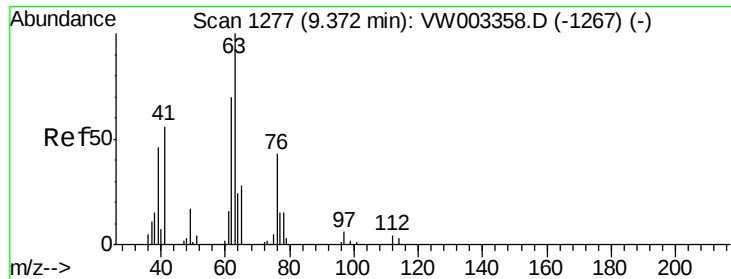
Ion Ratio Lower Upper

83 100

55 80.8 63.9 95.9

98 46.9 37.1 55.7





#40

1,2-Dichloropropane

Concen: 21.873 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

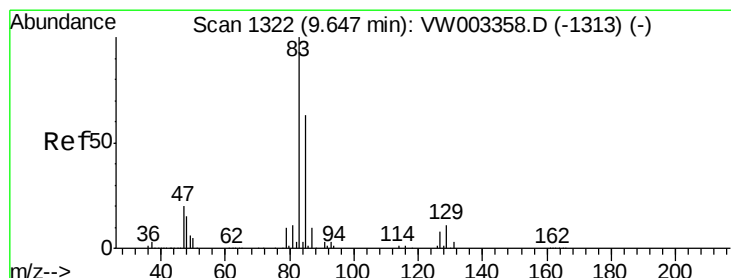
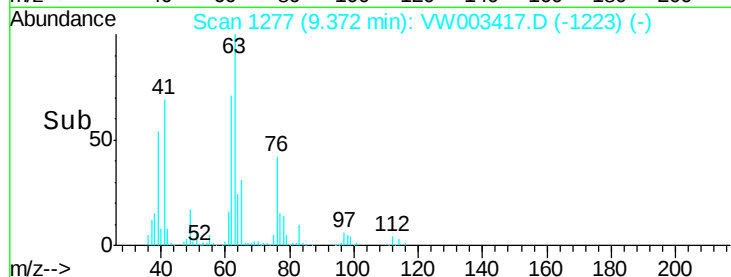
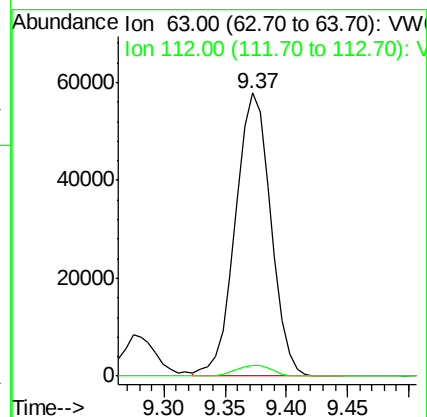
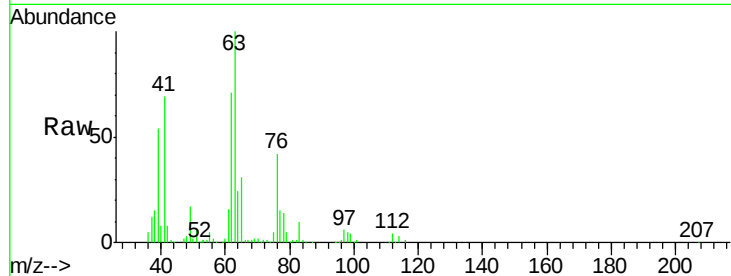
VSTD02597

Tgt Ion: 63 Resp: 115809

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#41

Bromodichloromethane

Concen: 21.984 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

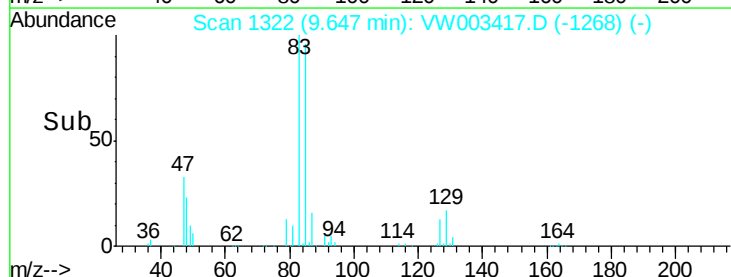
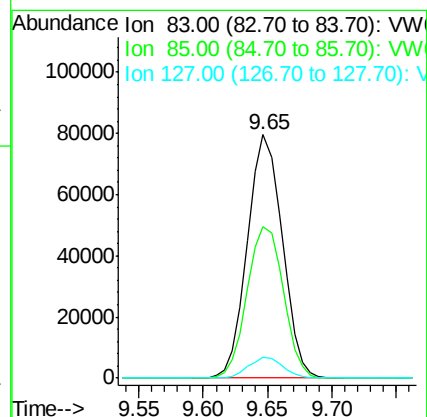
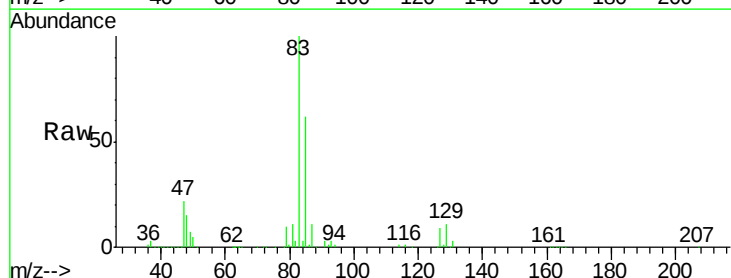
Tgt Ion: 83 Resp: 149607

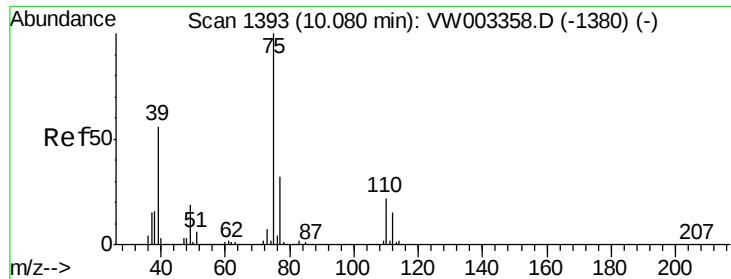
Ion Ratio Lower Upper

83 100

85 62.5 44.7 83.1

127 8.8 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 22.562 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampled :

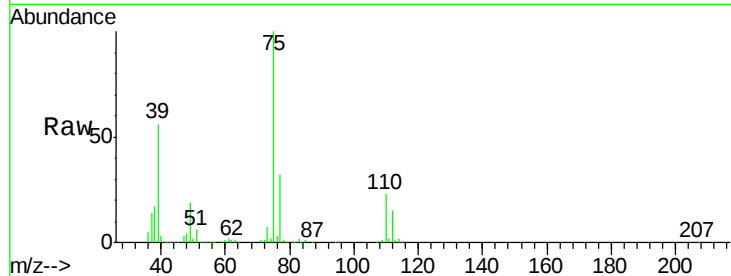
VSTD02597

Tgt Ion: 75 Resp: 178279

Ion Ratio Lower Upper

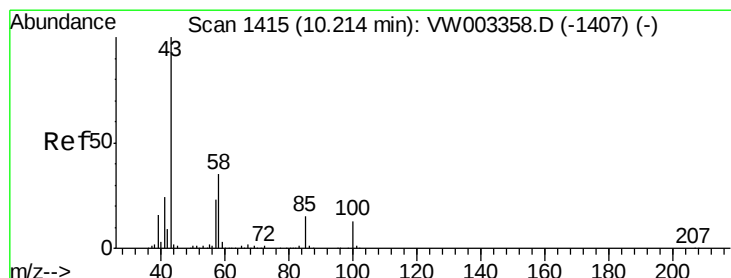
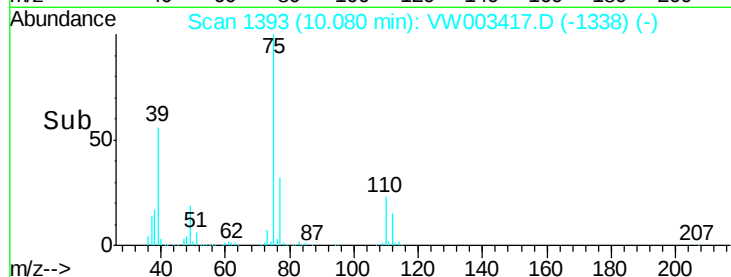
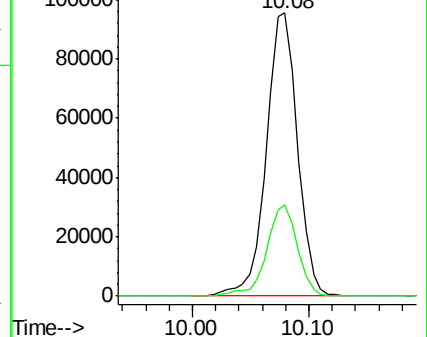
75 100

77 32.1 21.8 40.6



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: 47.553 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

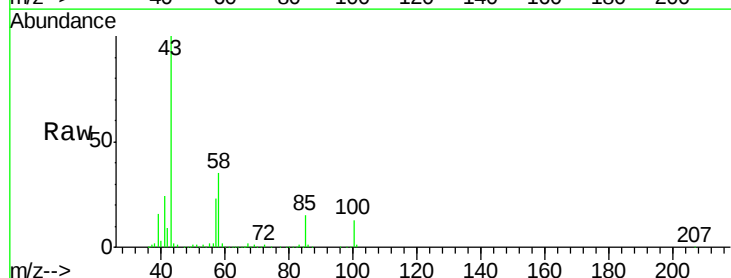
Tgt Ion: 43 Resp: 179872

Ion Ratio Lower Upper

43 100

58 36.1 28.7 43.1

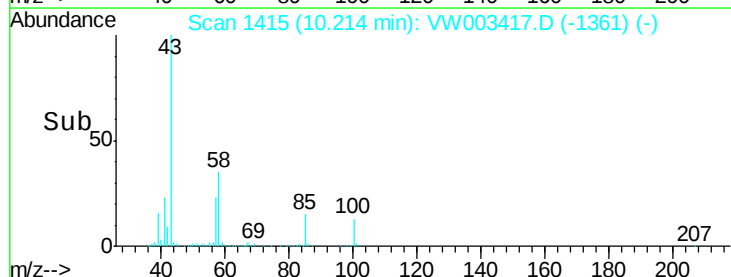
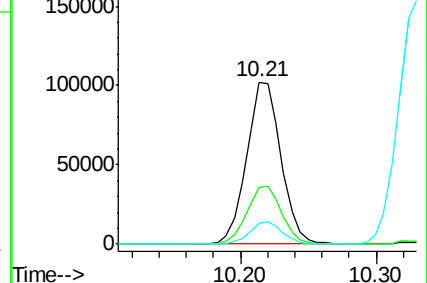
100 13.4 11.1 16.7

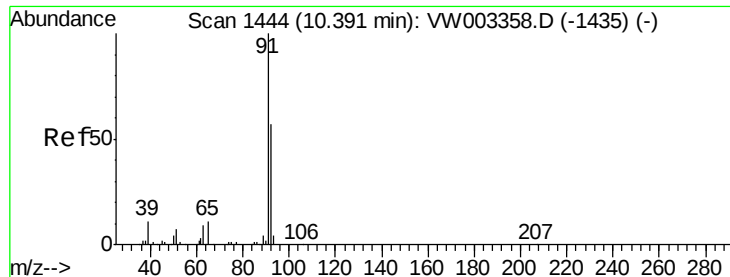


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 22.208 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

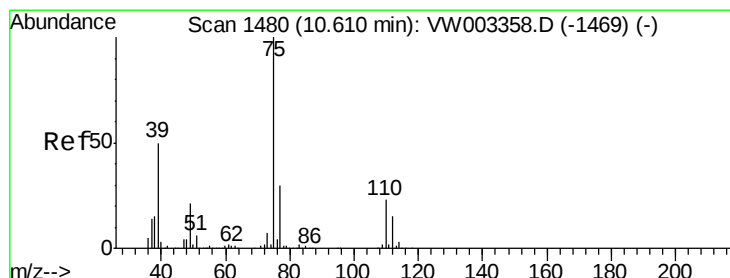
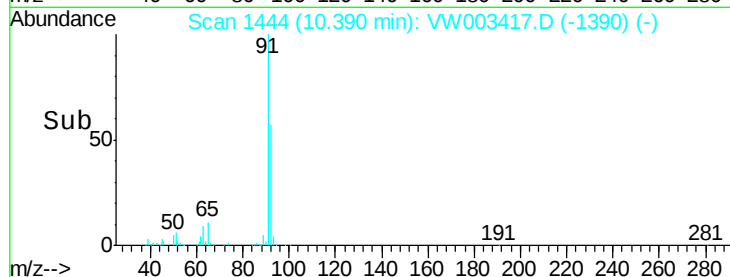
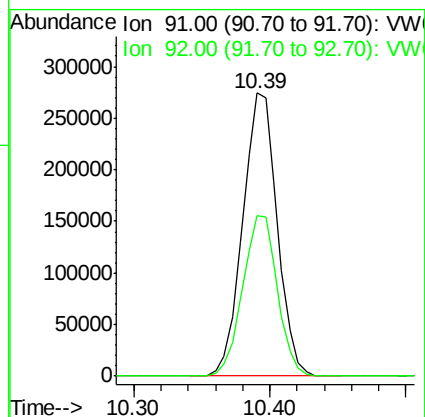
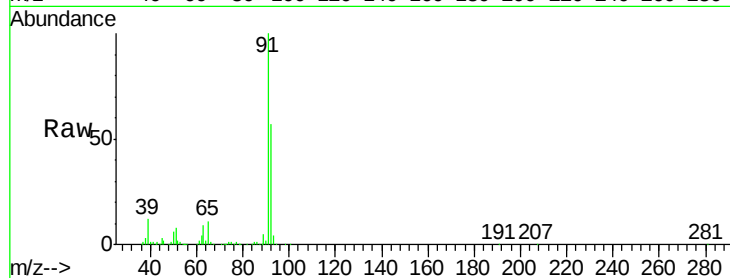
VSTD02597

Tgt Ion: 91 Resp: 484585

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 22.660 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003417.D

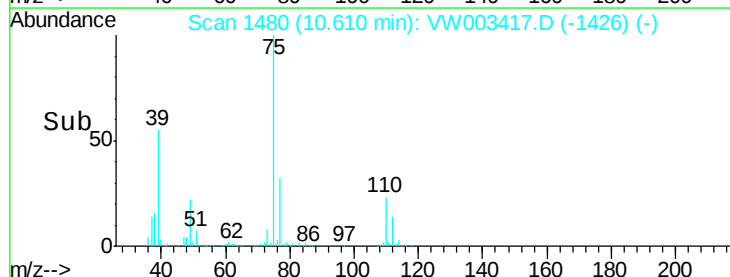
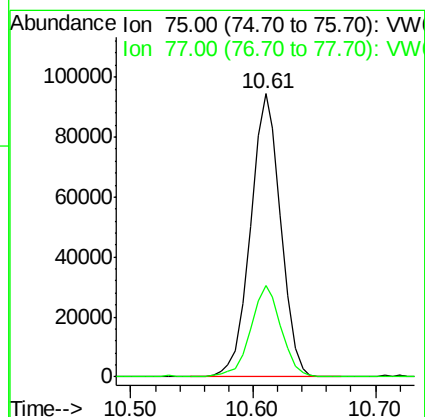
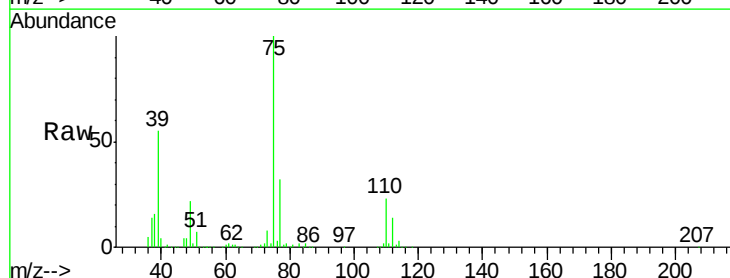
Acq: 22 Jun 2018 10:20

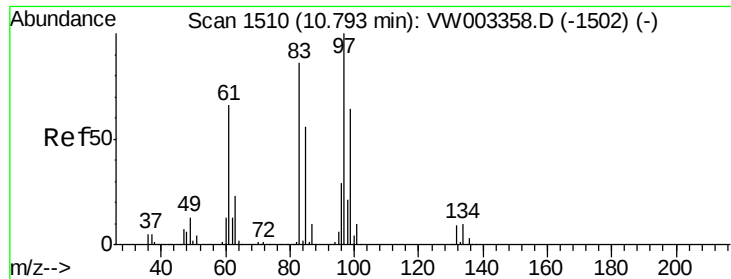
Tgt Ion: 75 Resp: 162021

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 22.382 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

Tgt Ion: 97 Resp: 88469

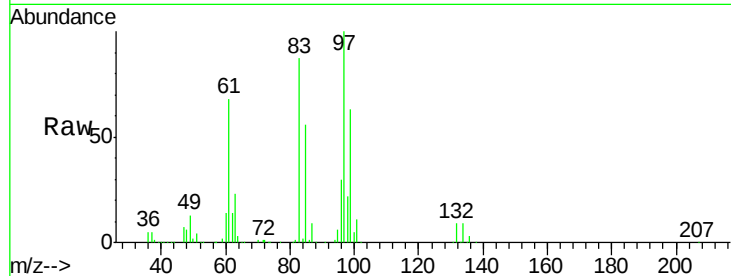
Ion Ratio Lower Upper

97 100

83 86.7 58.8 109.2

85 56.0 38.8 72.0

99 63.3 43.8 81.3



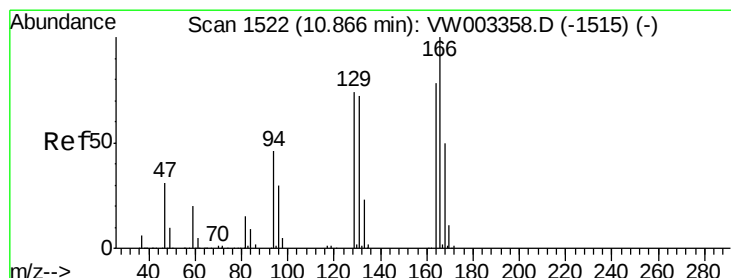
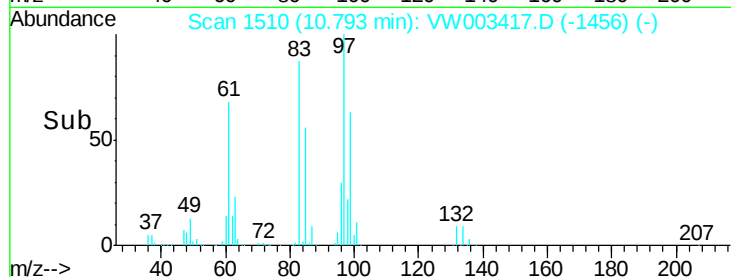
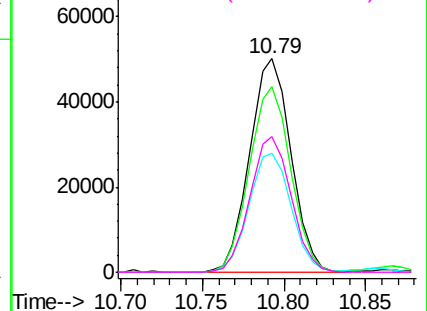
Abundance

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: 20.970 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Tgt Ion: 164 Resp: 95559

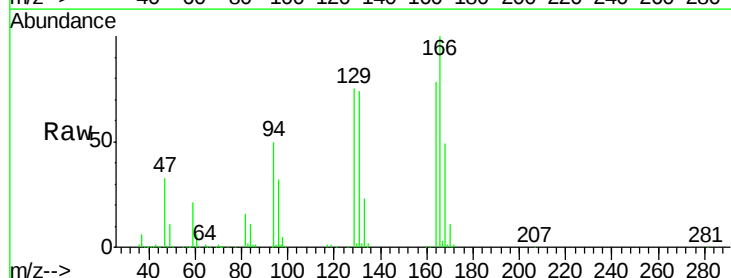
Ion Ratio Lower Upper

164 100

129 96.5 67.3 124.9

131 94.6 63.8 118.4

166 128.7 90.2 167.4



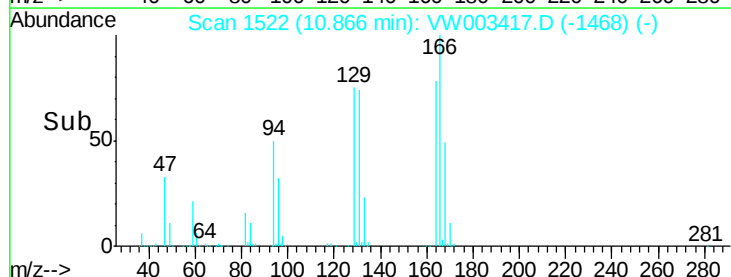
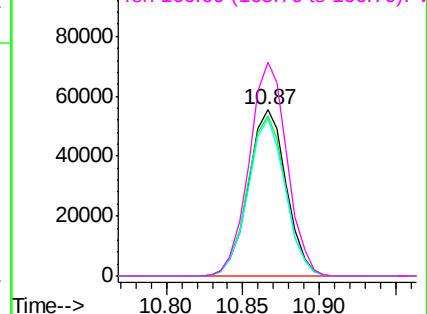
Abundance

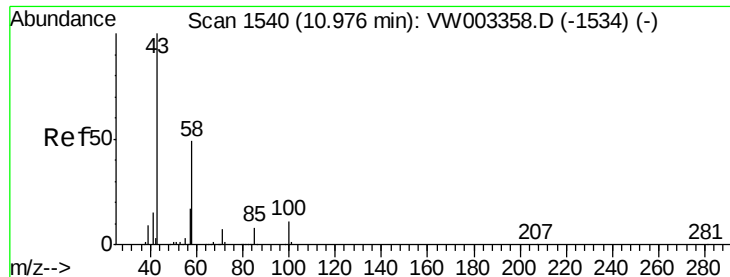
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 52.541 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

Tgt Ion: 43 Resp: 148100

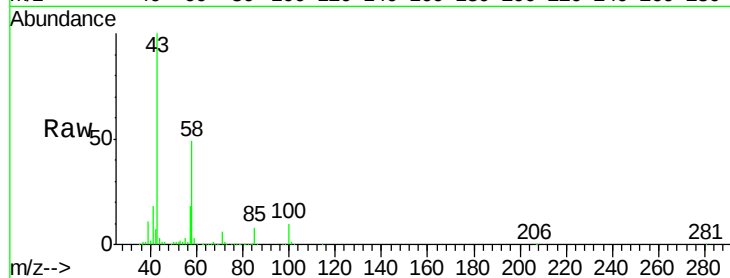
Ion Ratio Lower Upper

43 100

58 49.2 40.4 60.6

57 18.0 14.6 21.8

100 10.0 8.6 12.8

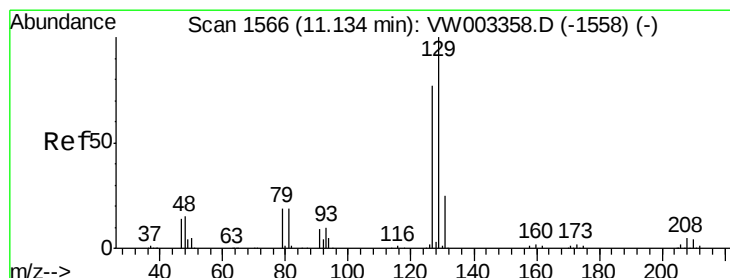
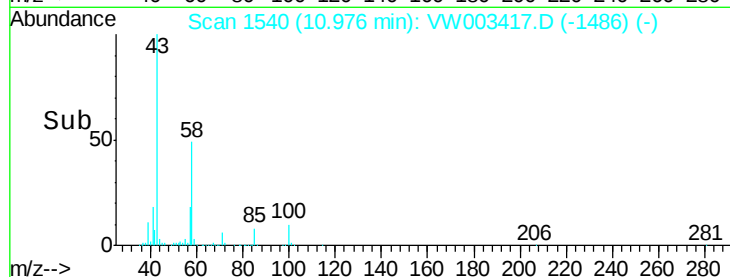
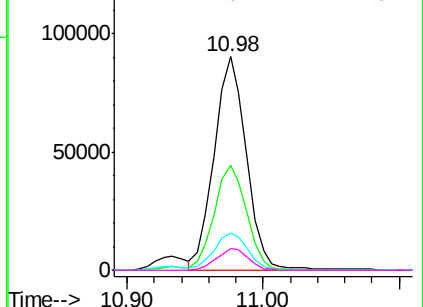


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 21.951 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003417.D

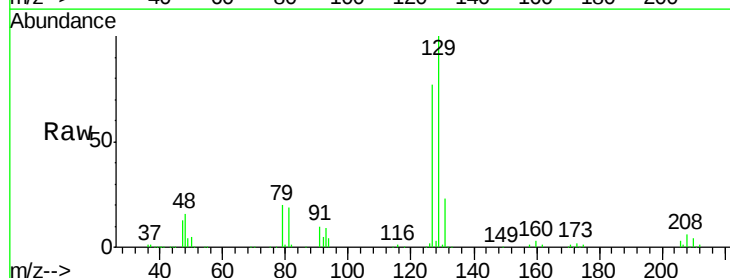
Acq: 22 Jun 2018 10:20

Tgt Ion: 129 Resp: 105623

Ion Ratio Lower Upper

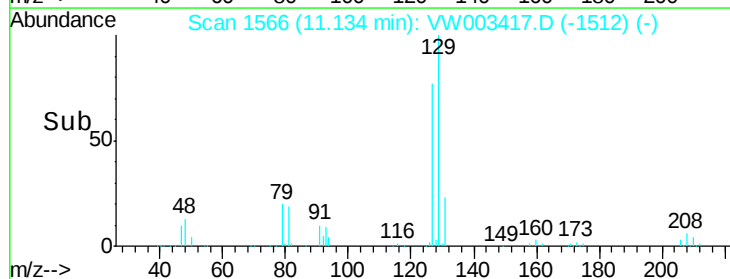
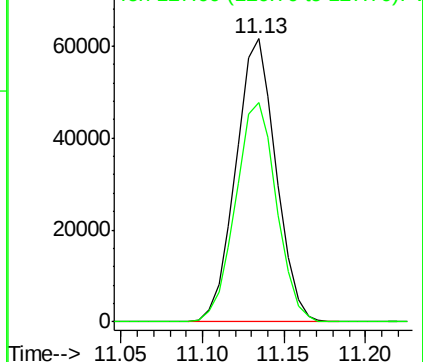
129 100

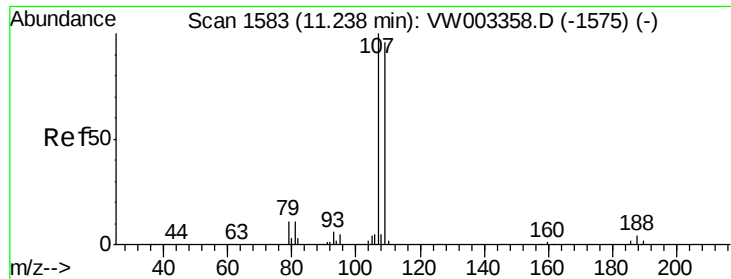
127 77.4 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 22.145 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

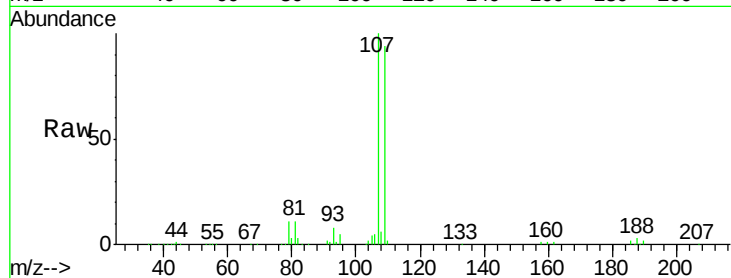
Tgt Ion:107 Resp: 86979

Ion Ratio Lower Upper

107 100

109 93.9 64.5 119.9

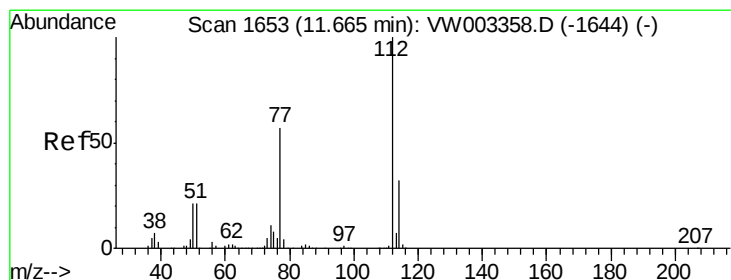
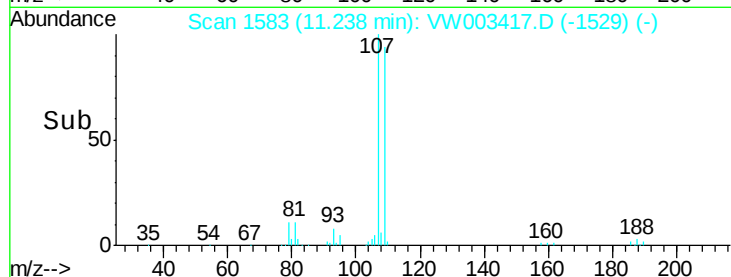
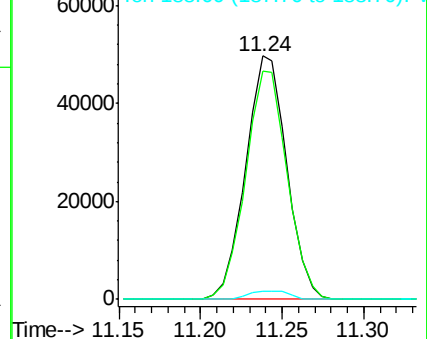
188 3.6 2.8 4.2



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: 21.775 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

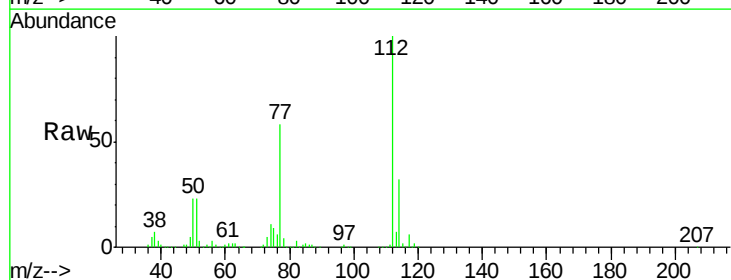
Tgt Ion:112 Resp: 308534

Ion Ratio Lower Upper

112 100

77 58.4 47.3 70.9

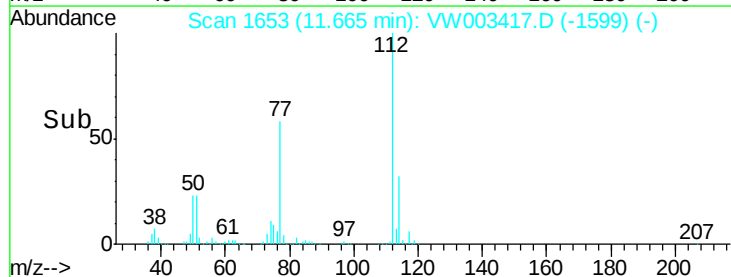
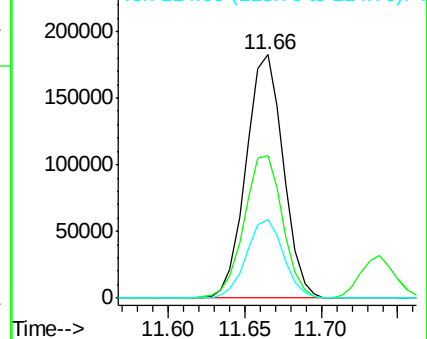
114 32.1 22.2 41.2

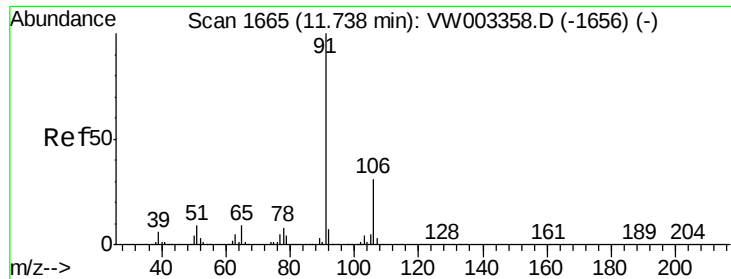


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.412 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

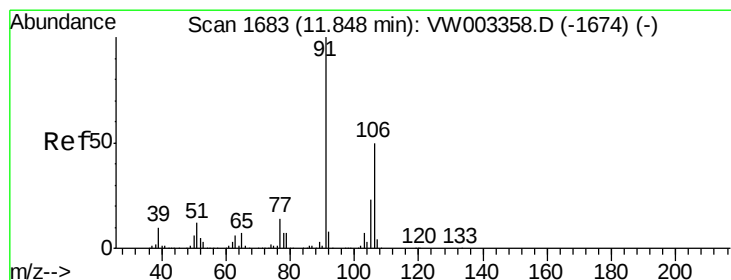
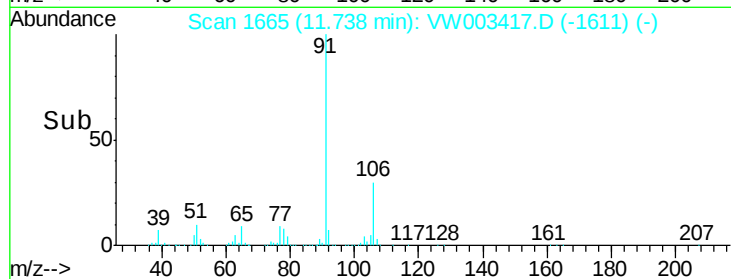
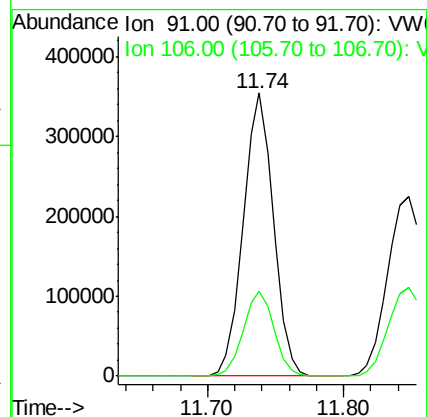
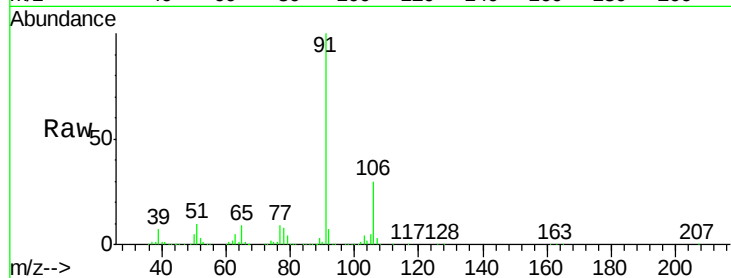
VSTD02597

Tgt Ion: 91 Resp: 548527

Ion Ratio Lower Upper

91 100

106 30.1 21.8 40.4



#54

m,p-Xylene

Concen: 22.750 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003417.D

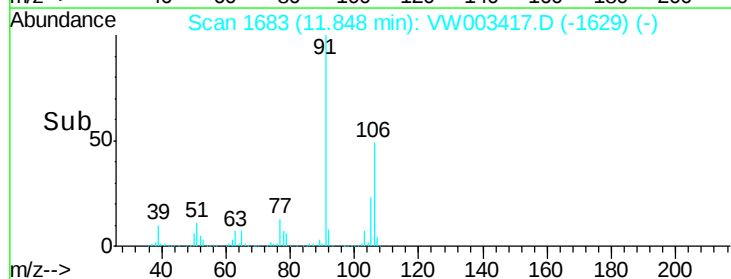
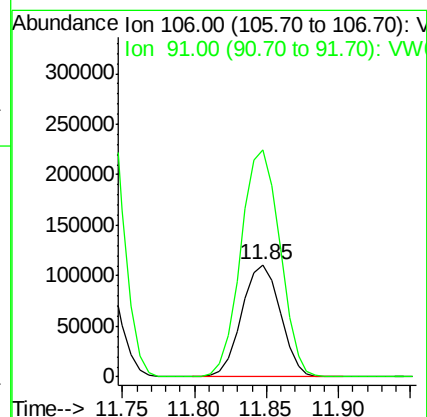
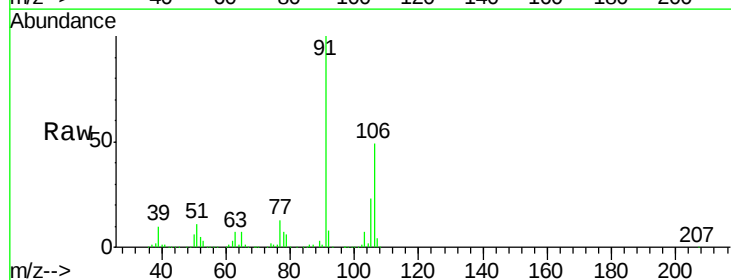
Acq: 22 Jun 2018 10:20

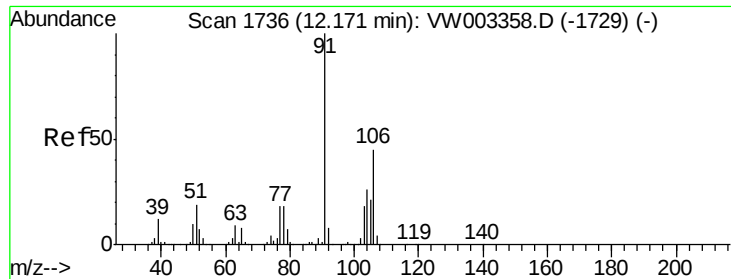
Tgt Ion: 106 Resp: 206797

Ion Ratio Lower Upper

106 100

91 203.1 146.4 271.8

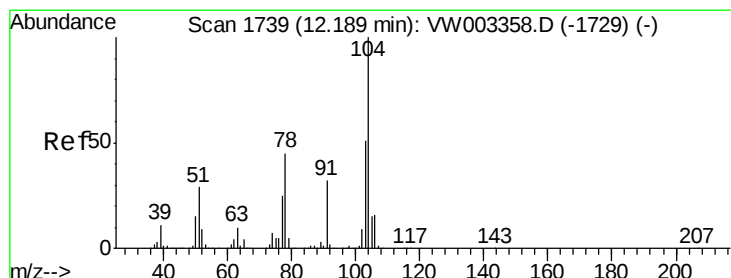
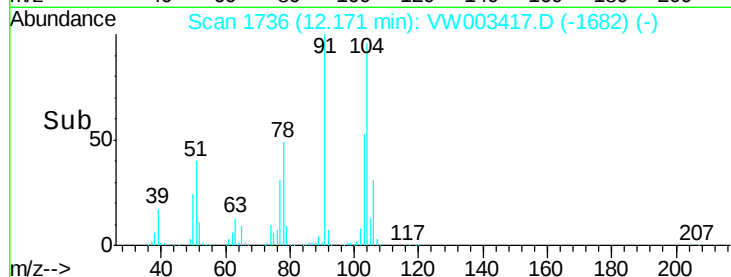
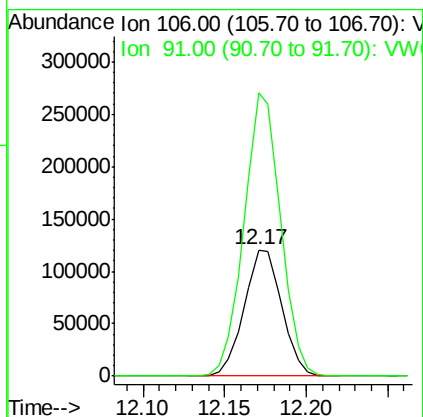
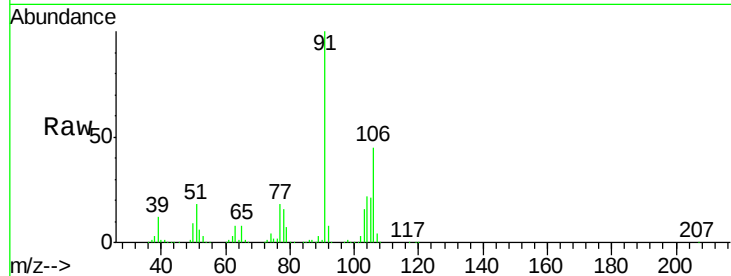




#55
o-xylene
Concen: 22.503 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

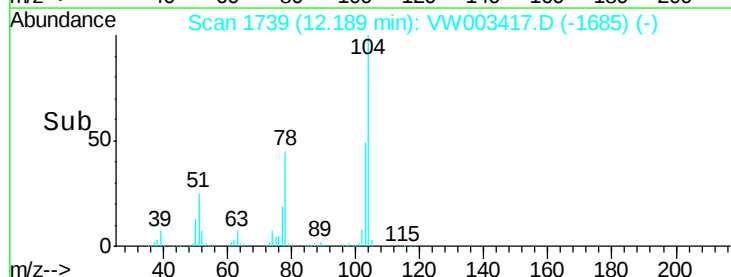
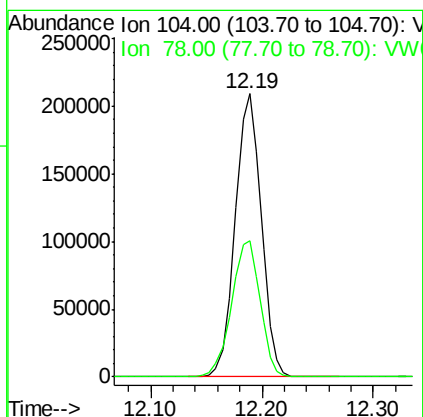
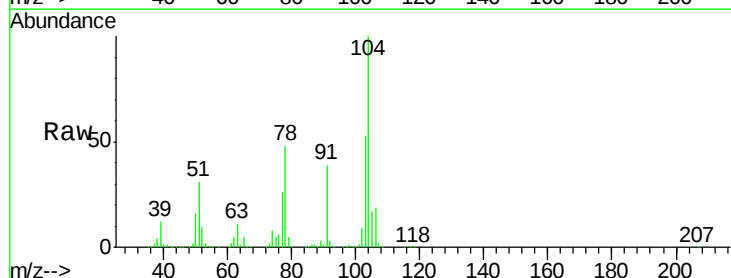
Instrument :
MSVOA_W
ClientSampled :
VSTD02597

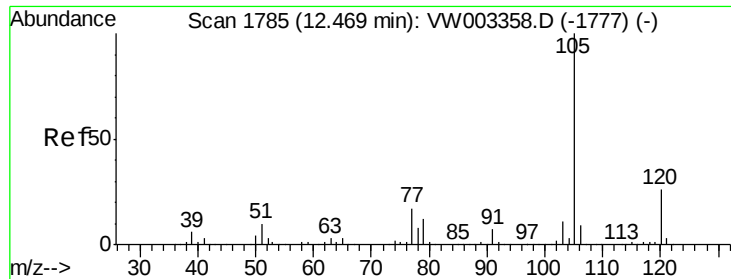
Tgt Ion:106 Resp: 194568
Ion Ratio Lower Upper
106 100
91 224.0 153.4 285.0



#56
Styrene
Concen: 22.733 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion:104 Resp: 339362
Ion Ratio Lower Upper
104 100
78 48.3 32.1 59.7





#57

Isopropylbenzene

Concen: 22.539 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

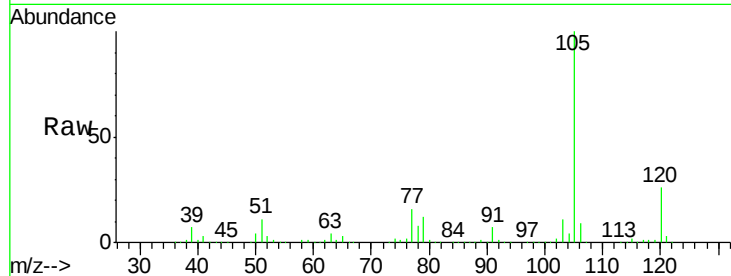
Tgt Ion: 105 Resp: 540706

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

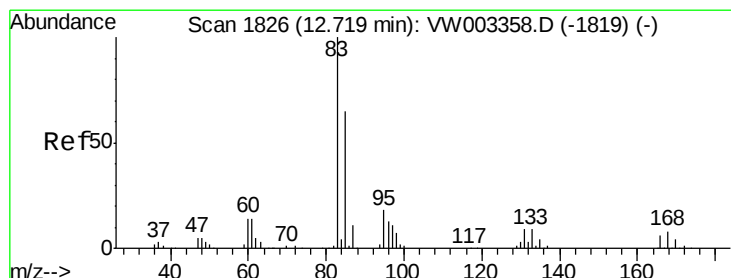
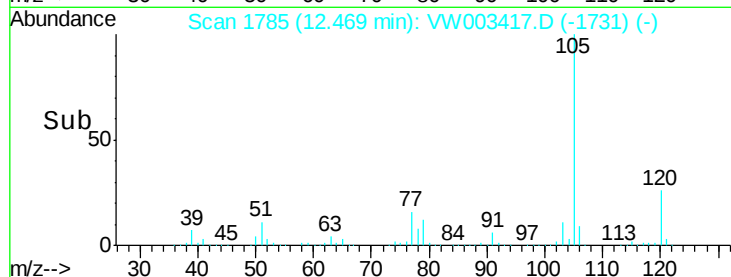
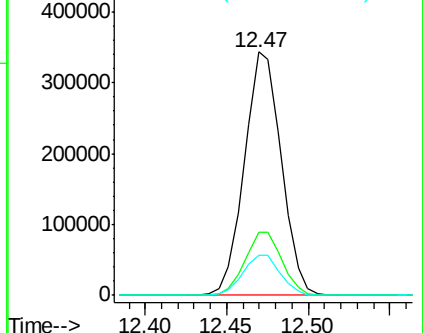
77 16.7 13.3 19.9



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: 23.185 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

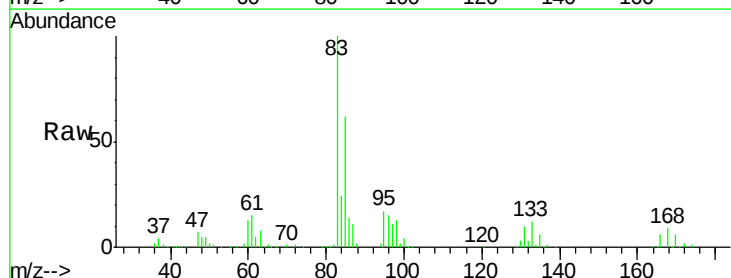
Tgt Ion: 83 Resp: 120810

Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.9

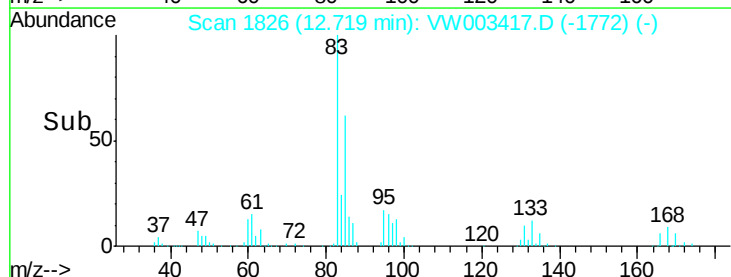
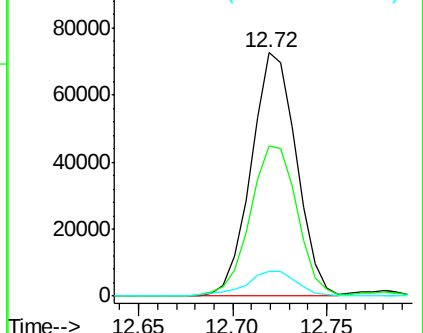
131 10.4 8.2 12.2

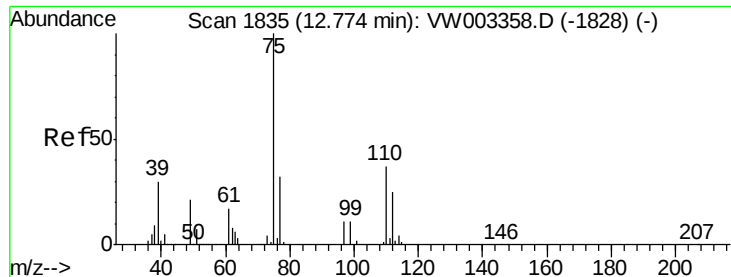


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.877 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

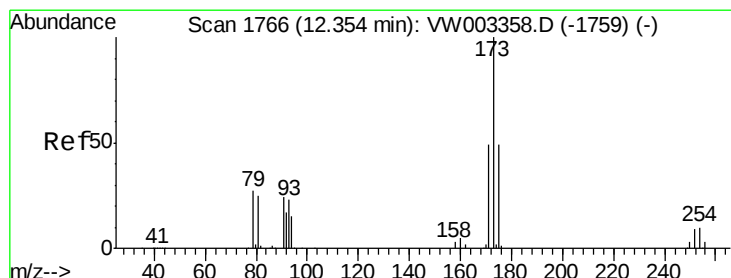
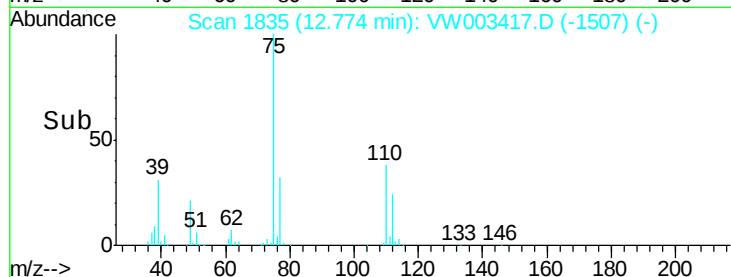
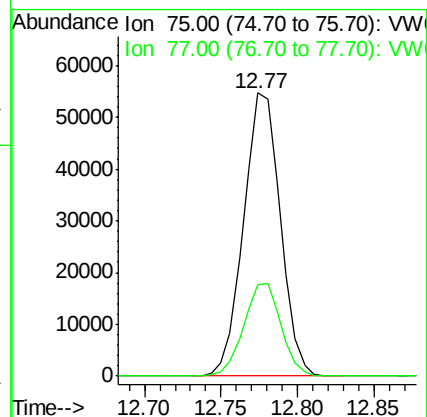
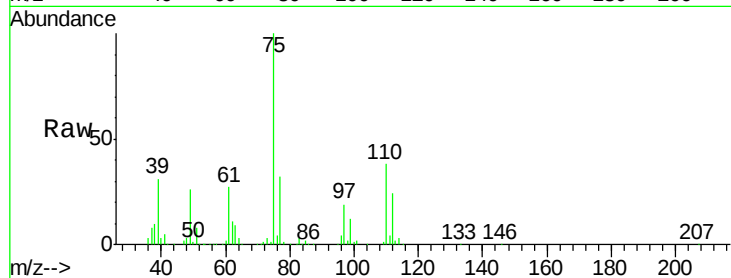
VSTD02597

Tgt Ion: 75 Resp: 91354

Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0



#62

Bromoform

Concen: 21.374 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

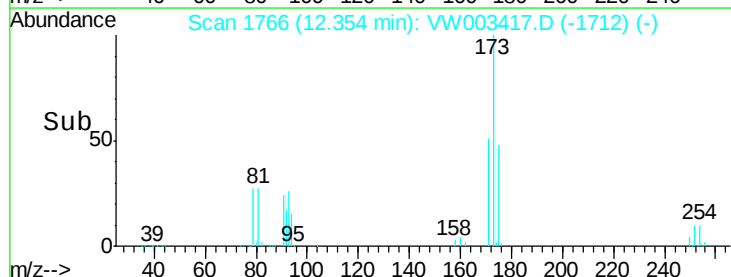
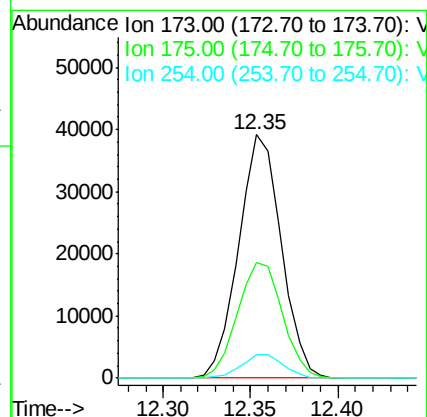
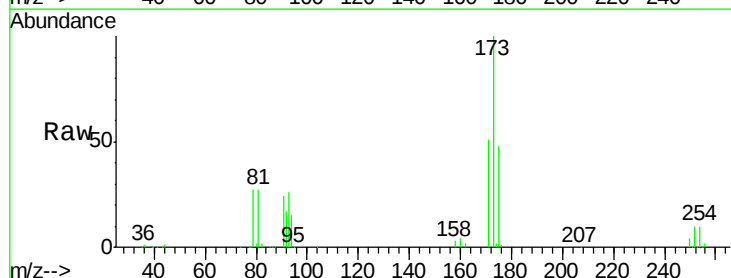
Tgt Ion: 173 Resp: 66348

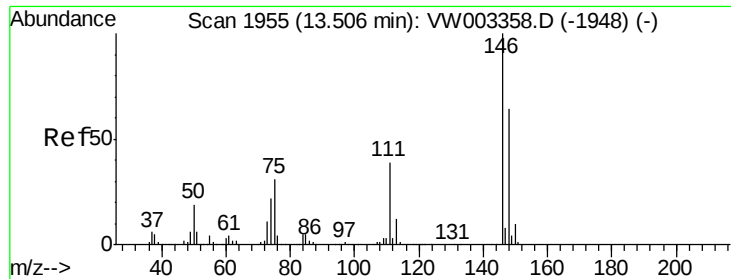
Ion Ratio Lower Upper

173 100

175 50.2 39.9 59.9

254 9.6 7.7 11.5

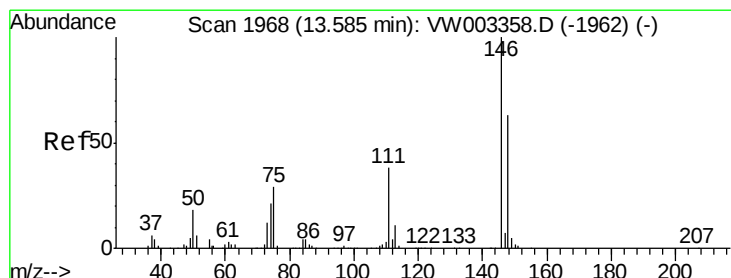
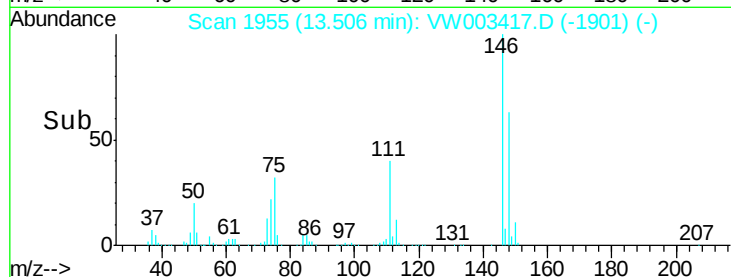
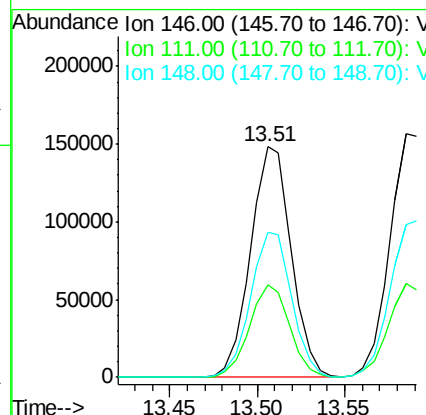
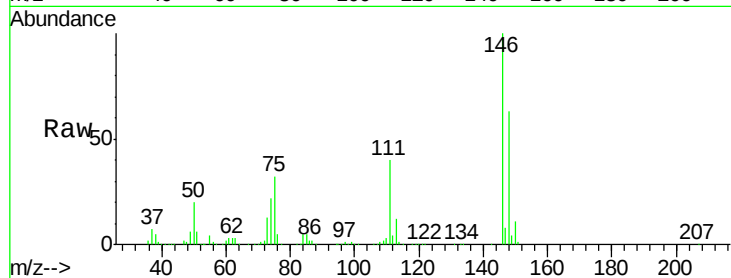




#63
 1,3-Dichlorobenzene
 Concen: 21.293 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003417.D
 Acq: 22 Jun 2018 10:20

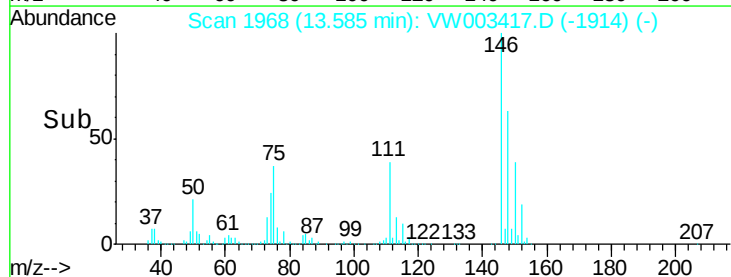
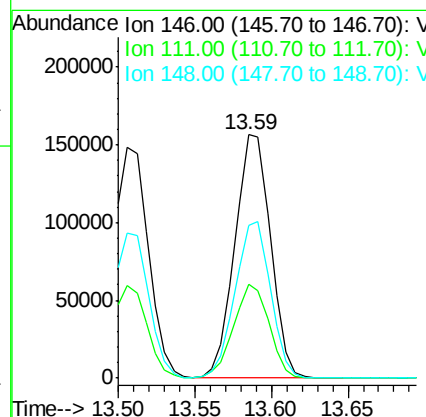
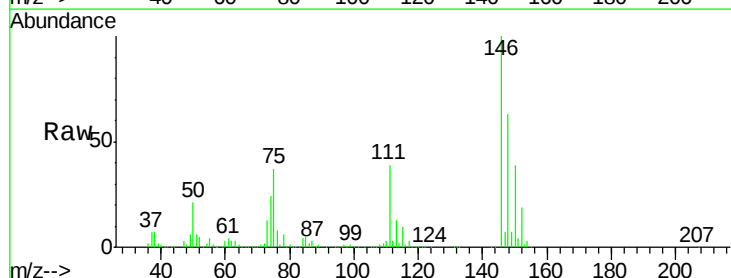
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

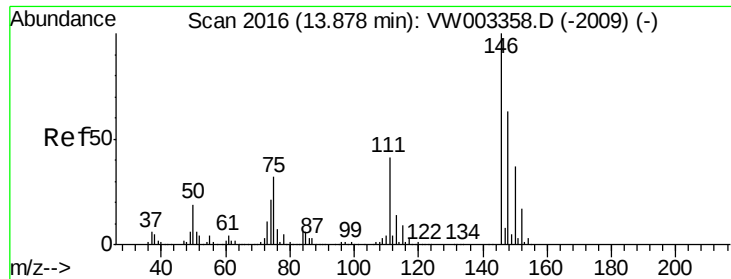
Tgt Ion:146 Resp: 241475
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.9 51.7
 148 63.1 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 21.315 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003417.D
 Acq: 22 Jun 2018 10:20

Tgt Ion:146 Resp: 253430
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.8 49.8
 148 62.7 45.4 84.2

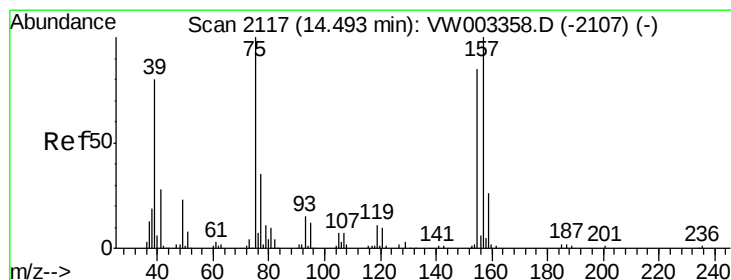
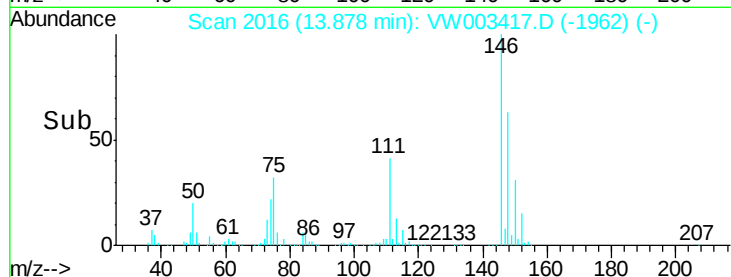
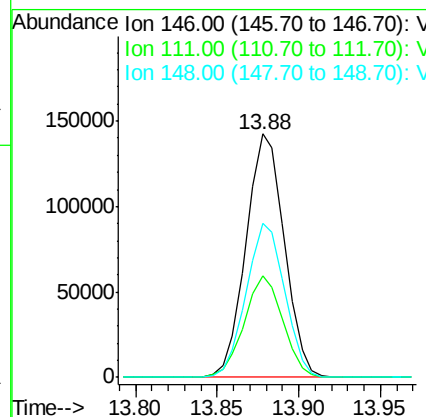
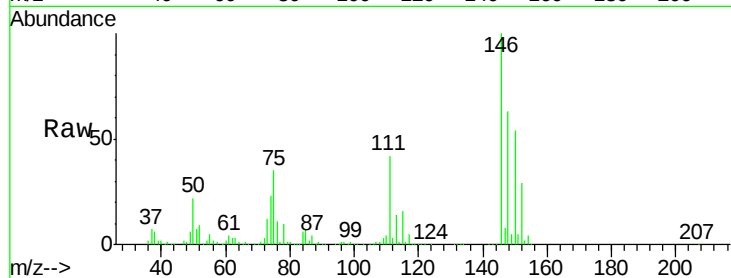




#65
1,2-Dichlorobenzene
Concen: 21.587 ug/L
RT: 13.88 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

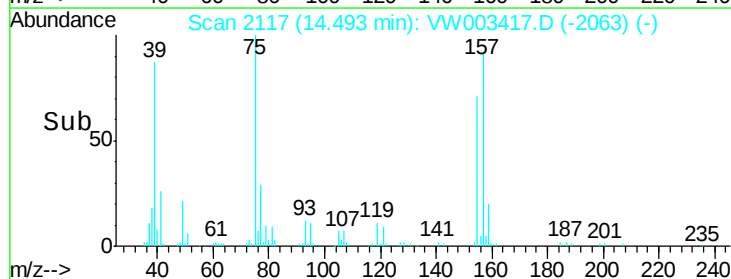
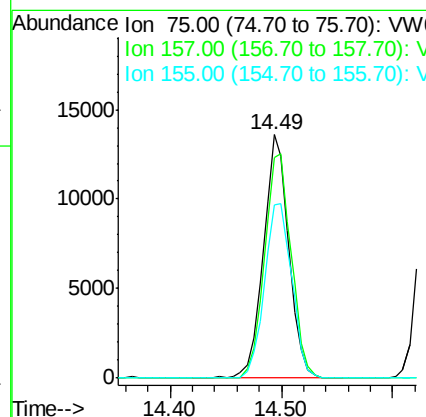
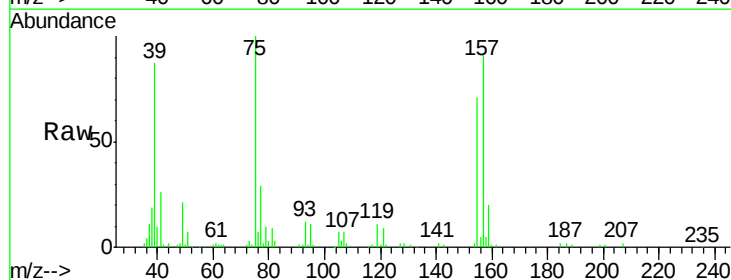
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

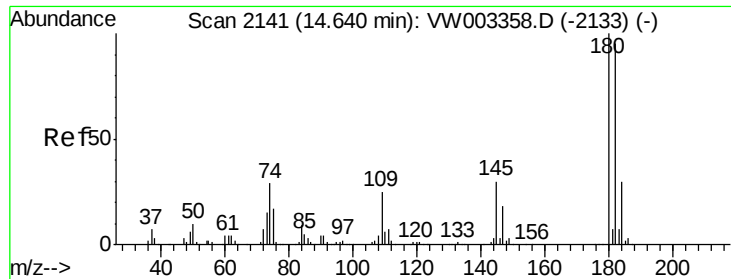
Tgt Ion: 146 Resp: 233736
Ion Ratio Lower Upper
146 100
111 41.5 33.1 49.7
148 63.1 51.0 76.6



#66
1,2-Dibromo-3-chloropropane
Concen: 22.673 ug/L
RT: 14.49 min Scan# 2117
Delta R.T. 0.00 min
Lab File: VW003417.D
Acq: 22 Jun 2018 10:20

Tgt Ion: 75 Resp: 21544
Ion Ratio Lower Upper
75 100
157 90.7 70.7 106.1
155 70.9 59.0 88.6

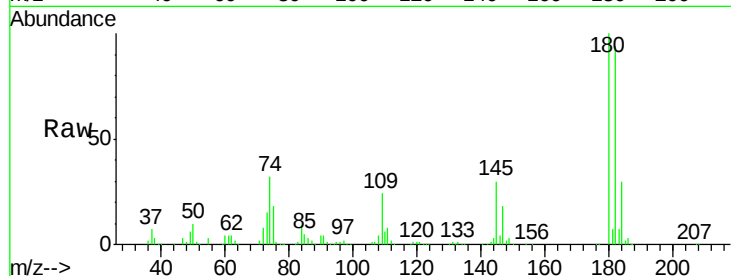




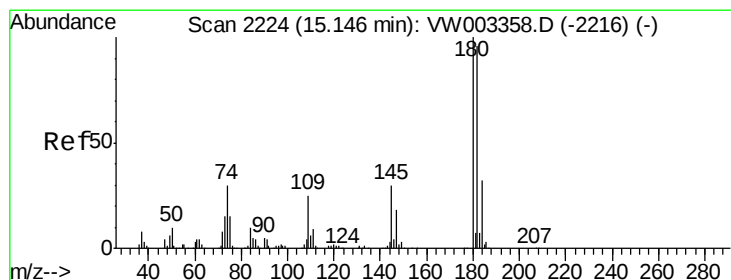
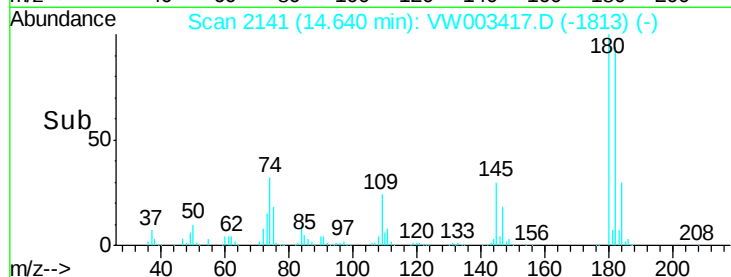
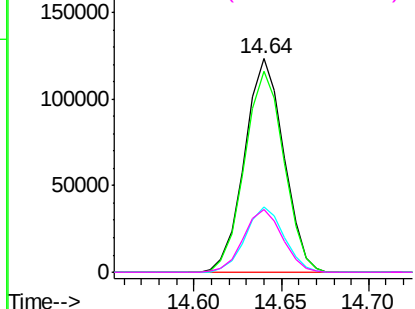
#67
 1,3,5-Trichlorobenzene
 Concen: 21.796 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003417.D
 Acq: 22 Jun 2018 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

Tgt Ion:	180	Resp:	192072
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
184	30.1	24.5	36.7
145	29.4	23.4	35.2

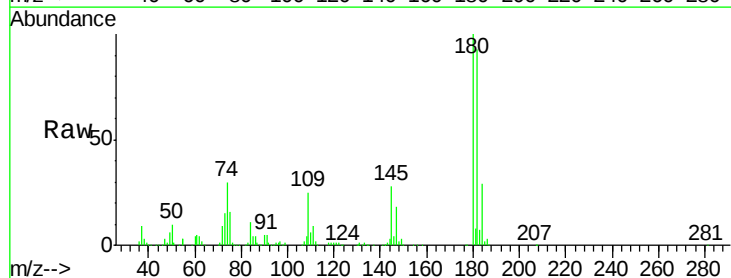


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

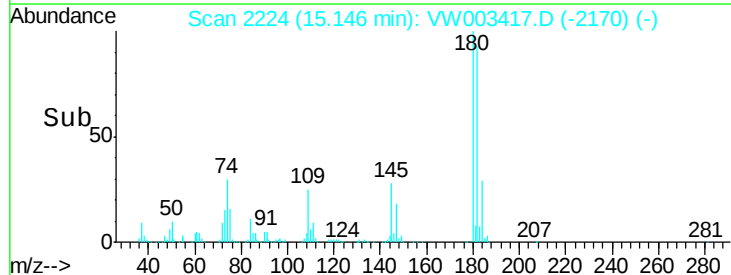
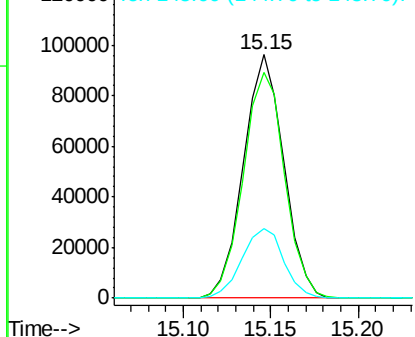


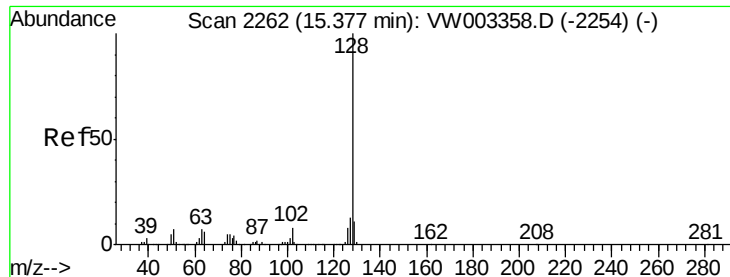
#68
 1,2,4-trichlorobenzene
 Concen: 21.649 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003417.D
 Acq: 22 Jun 2018 10:20

Tgt Ion:	180	Resp:	155315
Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.8	112.2
145	29.7	23.6	35.4



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





#69

Naphthalene

Concen: 22.948 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

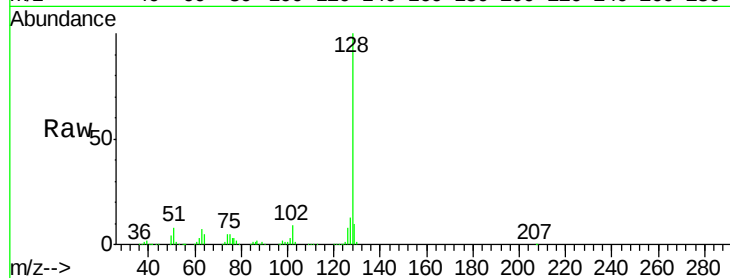
Tgt Ion:128 Resp: 308036

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

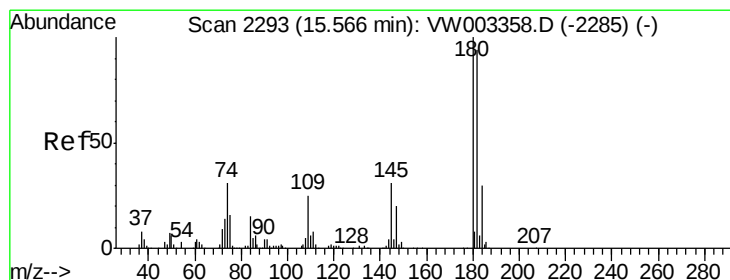
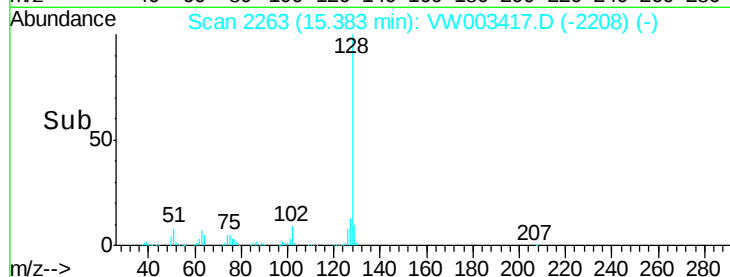
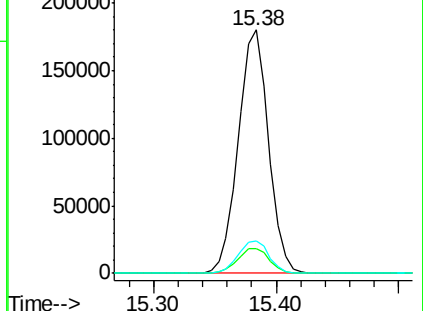
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.325 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW003417.D

Acq: 22 Jun 2018 10:20

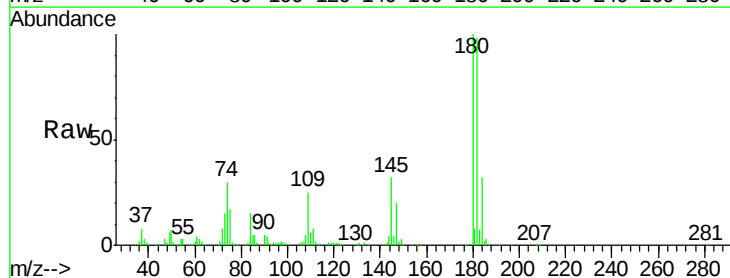
Tgt Ion:180 Resp: 146791

Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.0

145 31.7 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

