

Data File : VW009380.D
Acq On : 23 Mar 2019 08:00
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Quant Time: Mar 23 10:13:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 01:25:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	346905	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339999	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171653	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	100734	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.20%
7) Chloroethane-d5	2.89	69	113135	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.28%
10) 1,1-Dichloroethene-d2	4.03	63	225251	25.14	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.56%
20) 2-Butanone-d5	7.07	46	96635	56.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.74%
24) Chloroform-d	7.65	84	266316	28.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.52%
26) 1,2-Dichloroethane-d4	8.31	65	165433	29.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.04%
29) Benzene-d6	8.27	84	486725	25.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.84%
33) 1,2-Dichloropropane-d6	9.27	67	151546	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	10.32	98	450537	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.96%
38) trans-1,3-Dichloropropene-	10.57	79	69159	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.80%
39) 2-Hexanone-d5	10.92	63	71492	52.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	167241	30.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.60%#
61) 1,2-Dichlorobenzene-d4	13.86	152	176314	26.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	108462	23.734	ug/L	96
3) Chloromethane	2.21	50	115733	23.870	ug/L	99
5) Vinyl chloride	2.37	62	146822	29.420	ug/L	97
6) Bromomethane	2.78	94	112114	26.815	ug/L	100
8) Chloroethane	2.93	64	112596	27.270	ug/L	95
9) Trichlorofluoromethane	3.26	101	77032	19.541	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117682	25.850	ug/L	93
12) 1,1-Dichloroethene	4.04	96	116324	27.230	ug/L	90
13) Acetone	4.12	43	69356	49.331	ug/L	99
14) Carbon disulfide	4.39	76	321689	27.981	ug/L	99
15) Methyl Acetate	4.67	43	108386	39.242	ug/L	98
16) Methylene chloride	4.91	84	141458	27.963	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	173646	28.728	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	122019	27.168	ug/L	92
19) 1,1-Dichloroethane	6.21	63	238326	29.102	ug/L	96
21) 2-Butanone	7.17	43	101762	52.421	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	138356	28.437	ug/L	97

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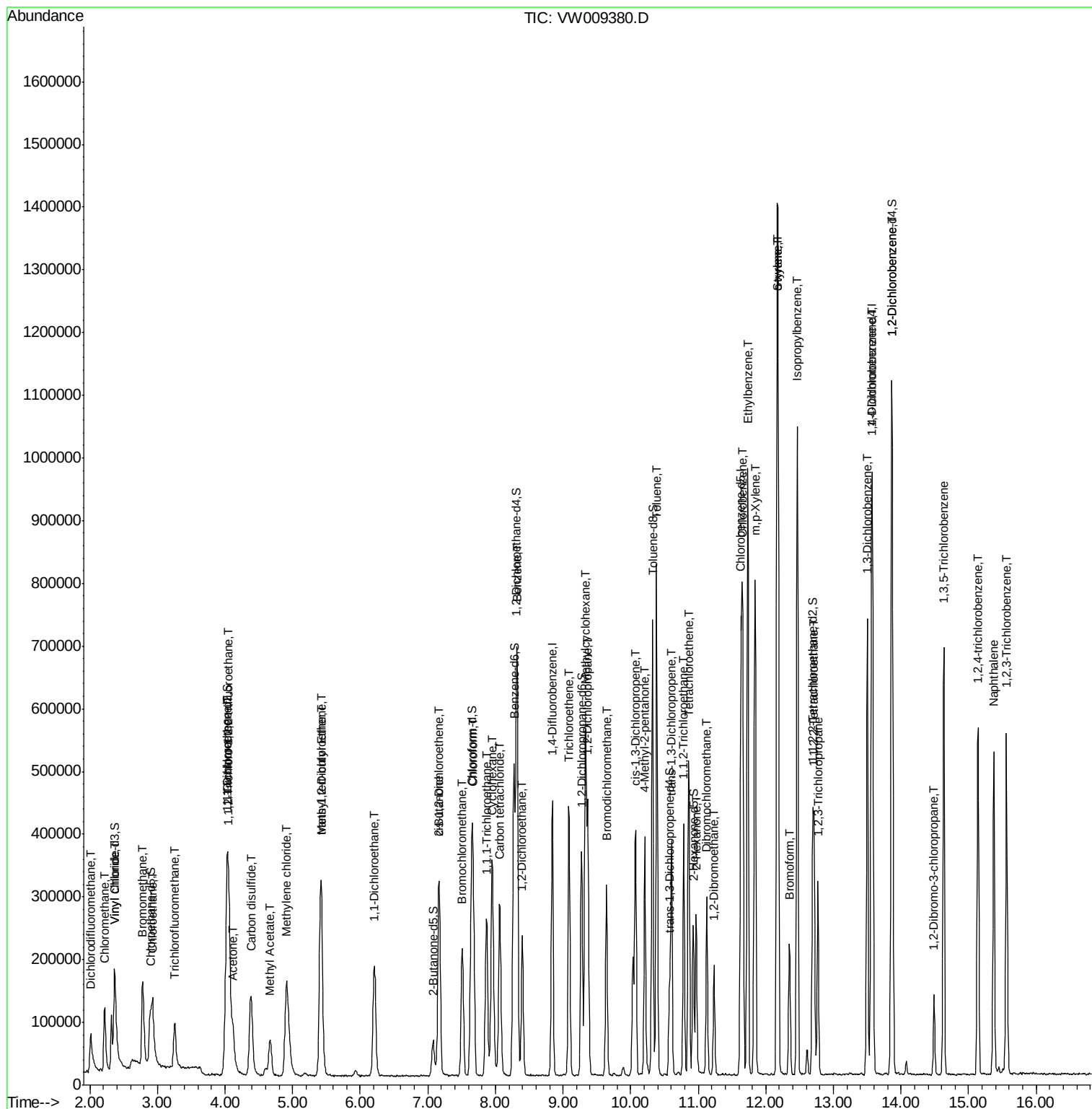
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67675	29.001	ug/L	95
25) Chloroform	7.67	83	259427	30.250	ug/L	98
27) 1,2-Dichloroethane	8.40	62	196329	30.705	ug/L	95
30) Cyclohexane	7.96	56	190311	24.646	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	190425	28.042	ug/L	100
32) Carbon tetrachloride	8.06	117	189758	27.697	ug/L	96
34) Benzene	8.32	78	531435	28.557	ug/L	100
35) Trichloroethene	9.09	95	133744	26.971	ug/L	99
36) Methylcyclohexane	9.34	83	209612	24.433	ug/L	98
40) 1,2-Dichloropropane	9.37	63	139149	29.139	ug/L	99
41) Bromodichloromethane	9.64	83	192085	29.030	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	203769	26.199	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	249861	57.742	ug/L	100
44) Toluene	10.38	91	569873	28.008	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	179191	26.484	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	112605	29.557	ug/L	98
47) Tetrachloroethene	10.86	164	106876	25.508	ug/L	97
49) 2-Hexanone	10.97	43	160043	52.513	ug/L	97
50) Dibromochloromethane	11.13	129	136651	29.056	ug/L	94
51) 1,2-Dibromoethane	11.23	107	109798	28.429	ug/L	95
52) Chlorobenzene	11.66	112	359631	27.558	ug/L	98
53) Ethylbenzene	11.73	91	631691	27.614	ug/L	99
54) m,p-Xylene	11.84	106	237173	27.290	ug/L	91
55) o-xylene	12.17	106	231372	27.289	ug/L	99
56) Styrene	12.18	104	407252	28.152	ug/L	97
57) Isopropylbenzene	12.46	105	621496	27.364	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	155291	30.215	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	117095	30.699	ug/L	99
62) Bromoform	12.35	173	87623	30.212	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	273493	26.734	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	294257	27.821	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	281585	28.862	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	29163	30.500	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	197510	24.752	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	168129	25.084	ug/L	98
69) Naphthalene	15.37	128	409858	29.494	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	171289	27.285	ug/L	100

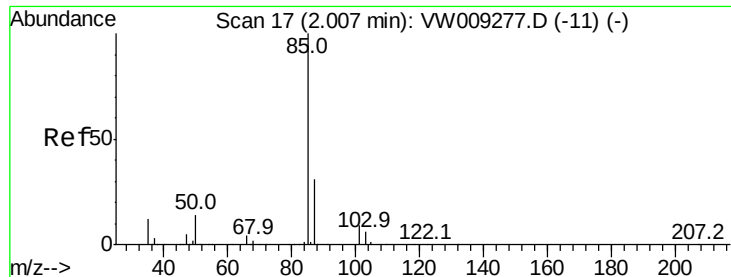
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.734 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

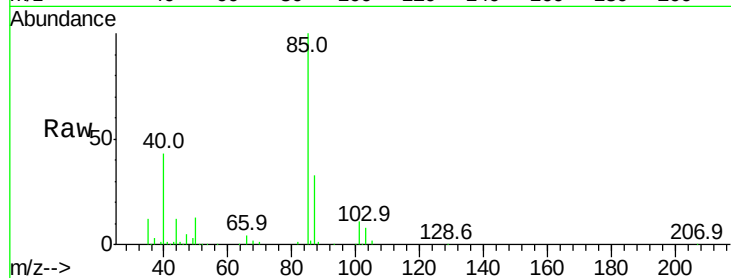
VSTD02521

Tgt Ion: 85 Resp: 108462

Ion Ratio Lower Upper

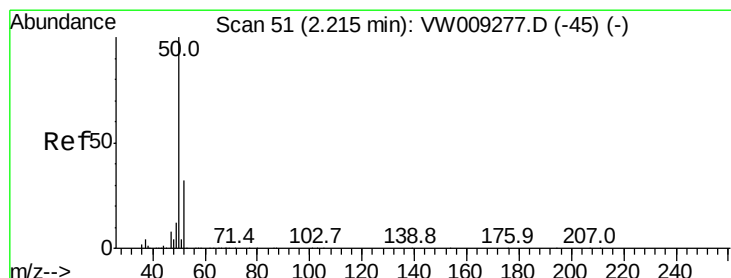
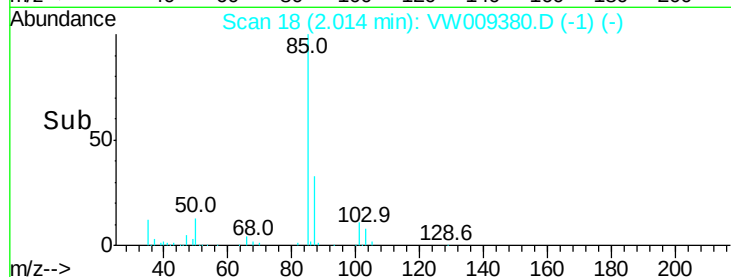
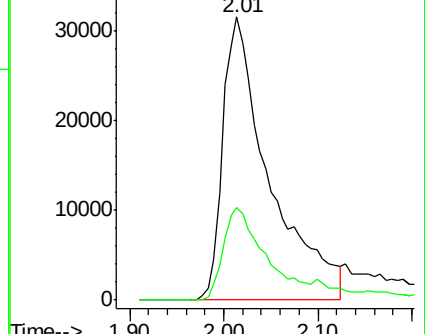
85 100

87 30.0 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.870 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009380.D

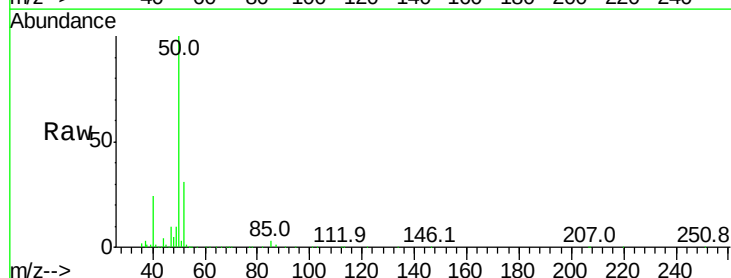
Acq: 23 Mar 2019 08:00

Tgt Ion: 50 Resp: 115733

Ion Ratio Lower Upper

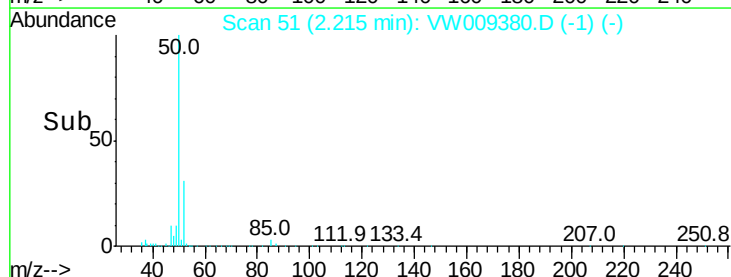
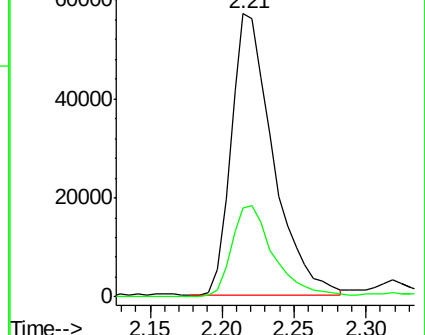
50 100

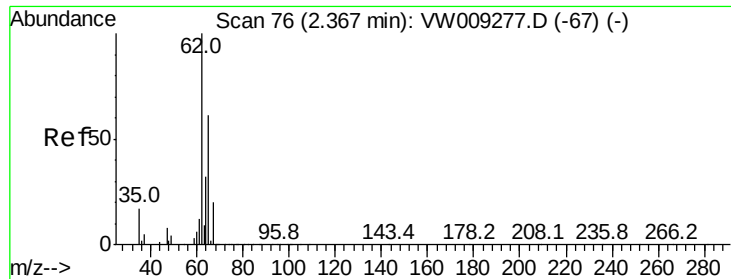
52 31.3 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 29.420 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

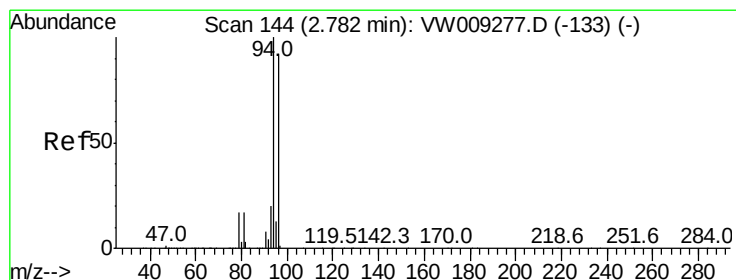
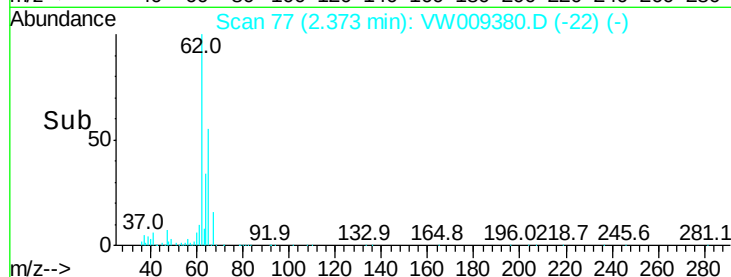
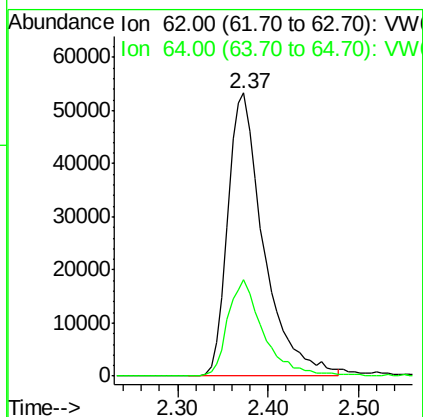
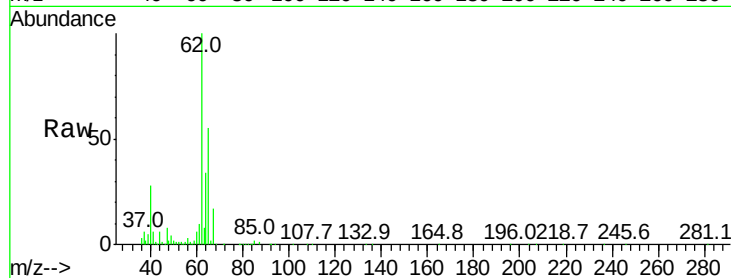
VSTD02521

Tgt Ion: 62 Resp: 146822

Ion Ratio Lower Upper

62 100

64 34.2 23.0 42.6



#6

Bromomethane

Concen: 26.815 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009380.D

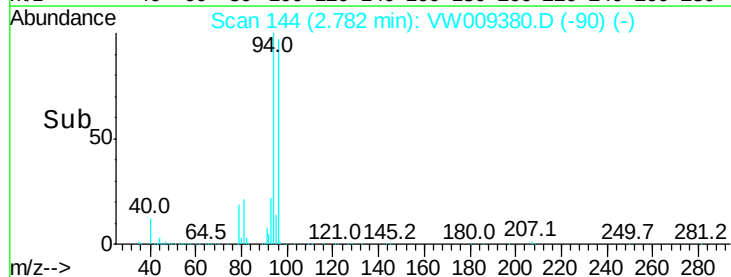
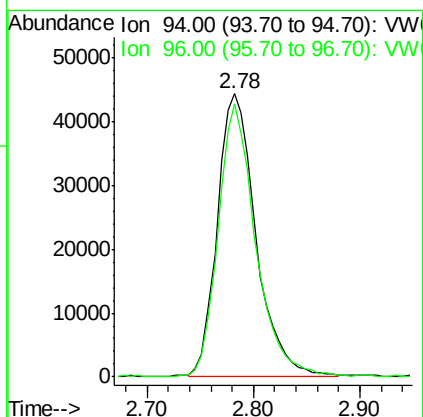
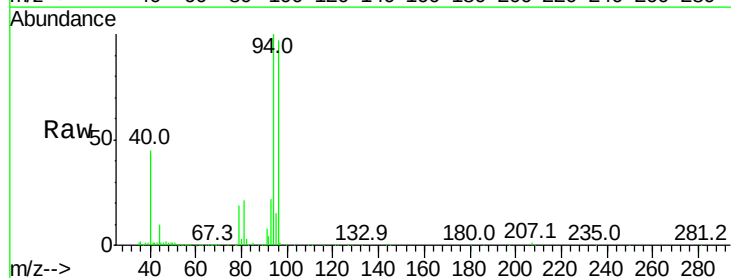
Acq: 23 Mar 2019 08:00

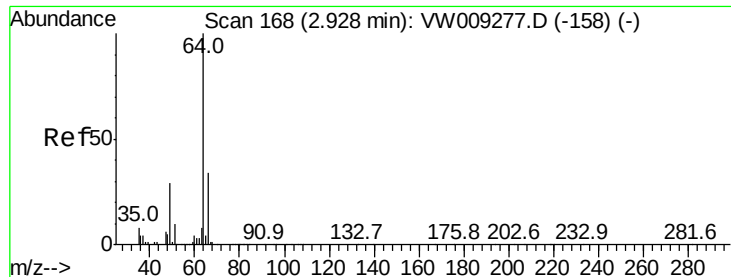
Tgt Ion: 94 Resp: 112114

Ion Ratio Lower Upper

94 100

96 93.9 9.4 178.4





#8

Chloroethane

Concen: 27.270 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

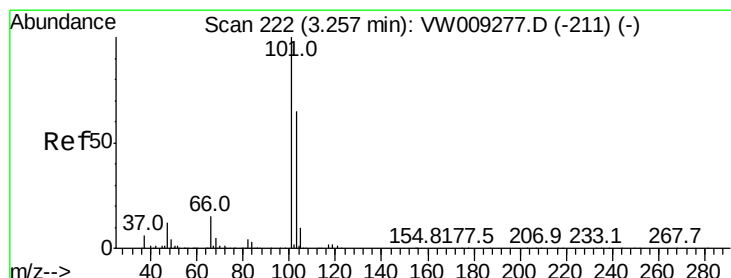
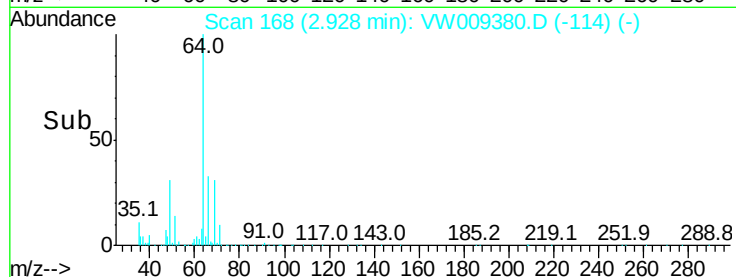
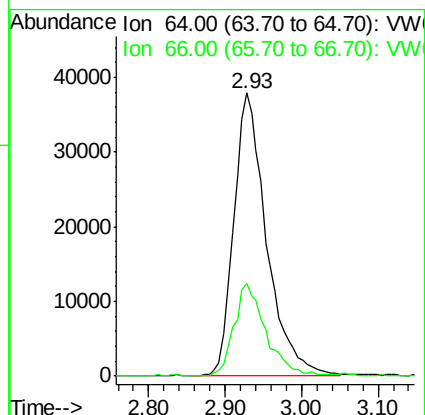
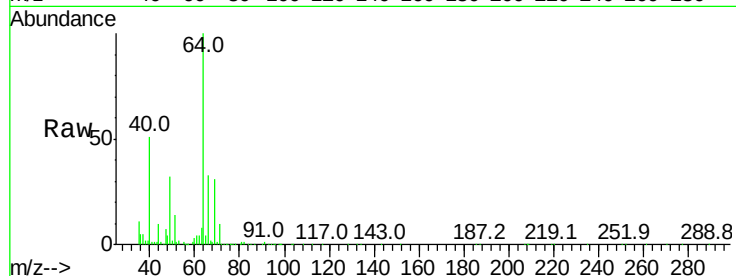
VSTD02521

Tgt Ion: 64 Resp: 112596

Ion Ratio Lower Upper

64 100

66 32.7 25.1 46.7



#9

Trichlorofluoromethane

Concen: 19.541 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW009380.D

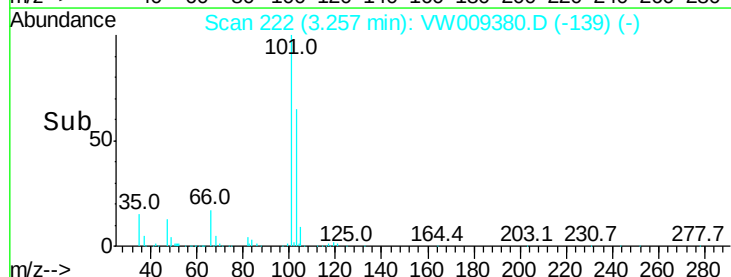
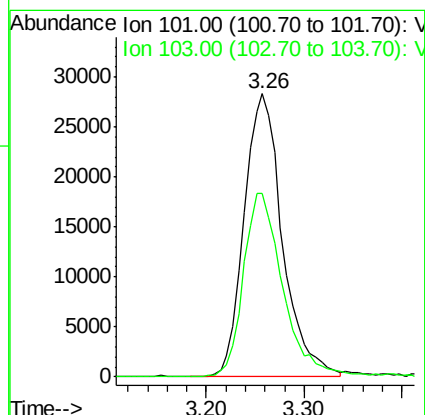
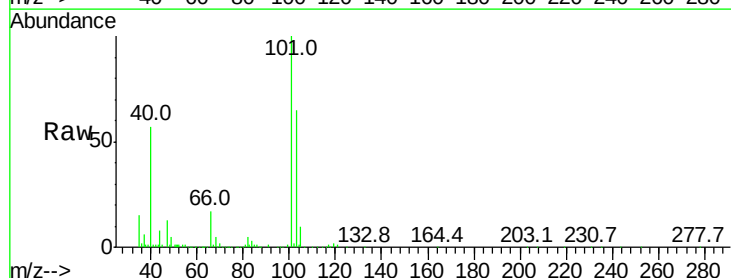
Acq: 23 Mar 2019 08:00

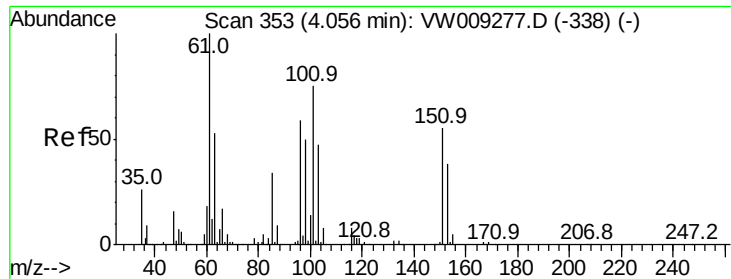
Tgt Ion: 101 Resp: 77032

Ion Ratio Lower Upper

101 100

103 66.7 45.0 83.6





#11

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

Concen: 25.850 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

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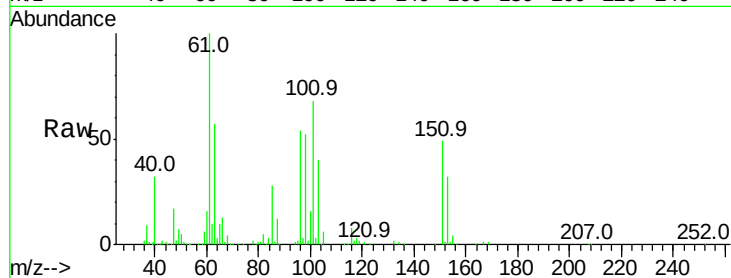
Tgt Ion: 101 Resp: 117682

Ion Ratio Lower Upper

101 100

85 47.0 32.6 48.8

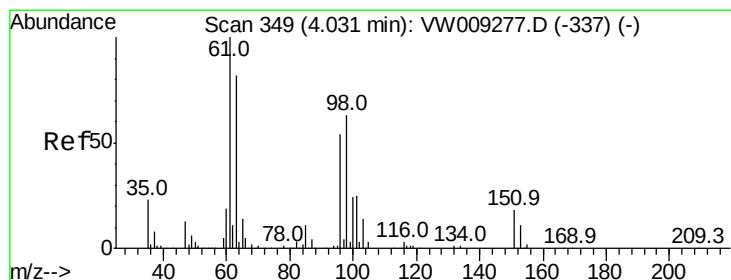
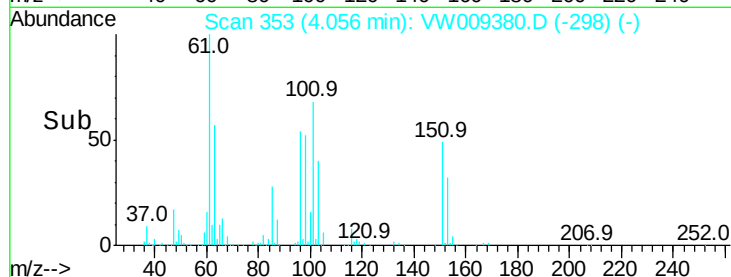
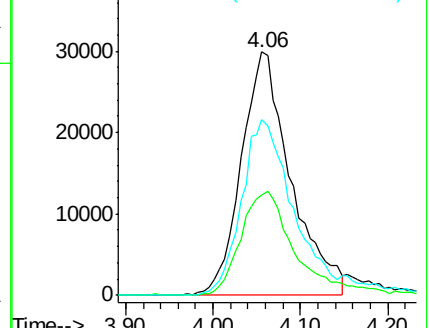
151 74.6 63.3 94.9



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: 27.230 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

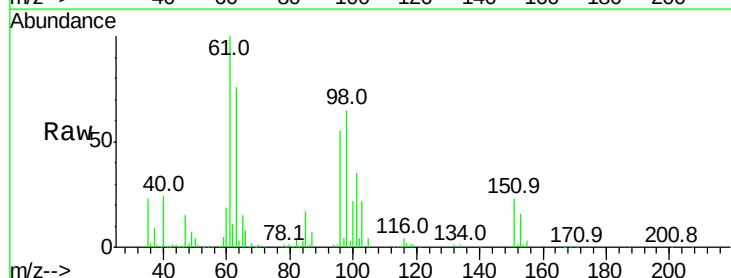
Tgt Ion: 96 Resp: 116324

Ion Ratio Lower Upper

96 100

61 183.1 129.4 240.2

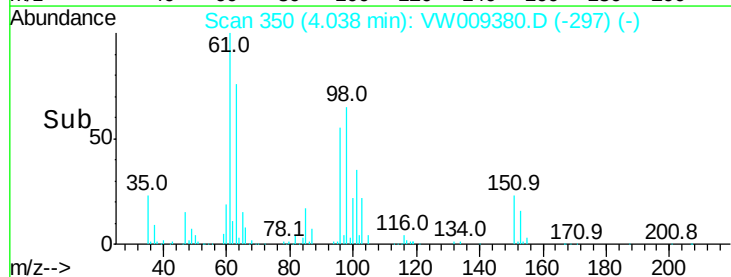
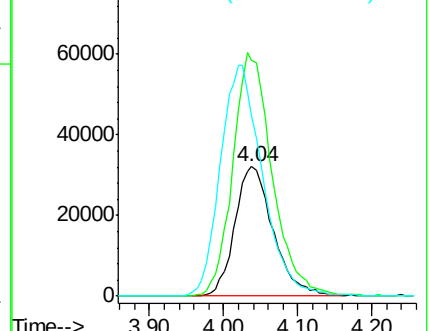
63 139.8 116.8 217.0

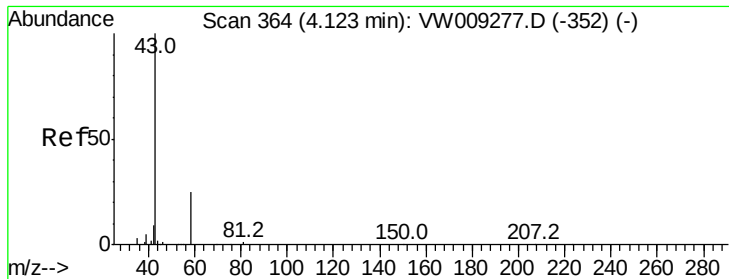


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.331 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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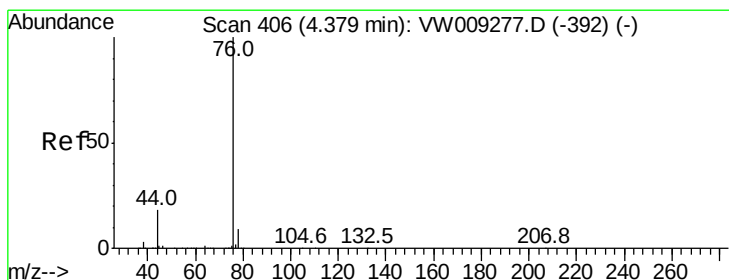
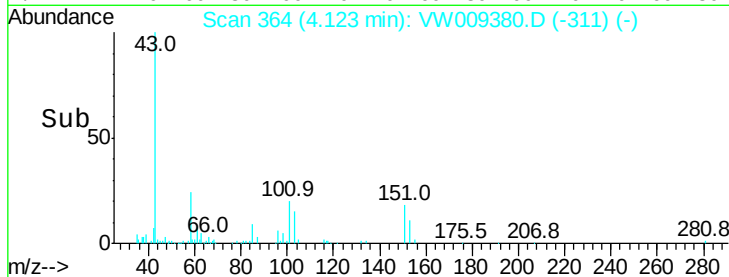
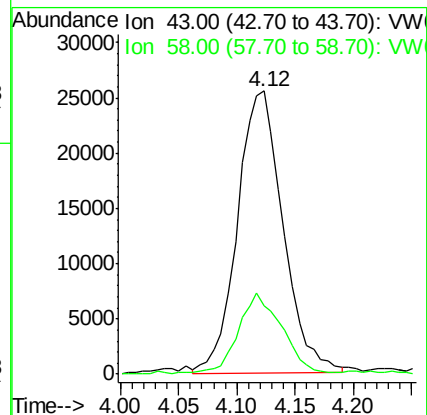
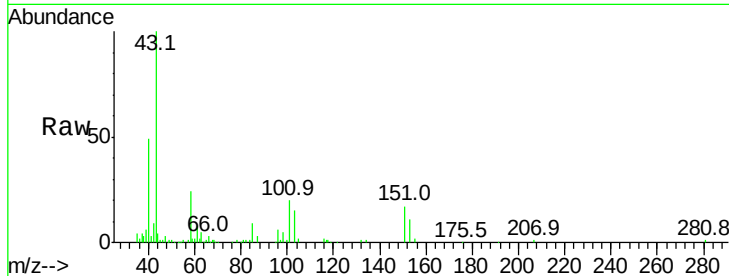
VSTD02521

Tgt Ion: 43 Resp: 69356

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.2



#14

Carbon disulfide

Concen: 27.981 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009380.D

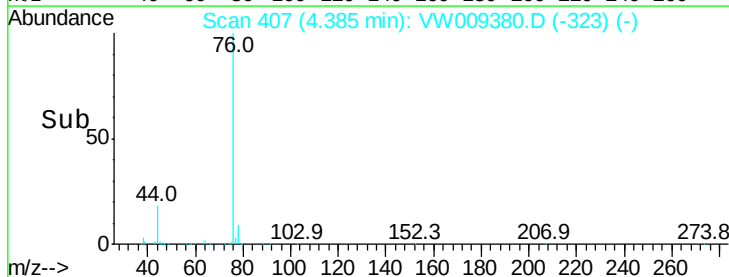
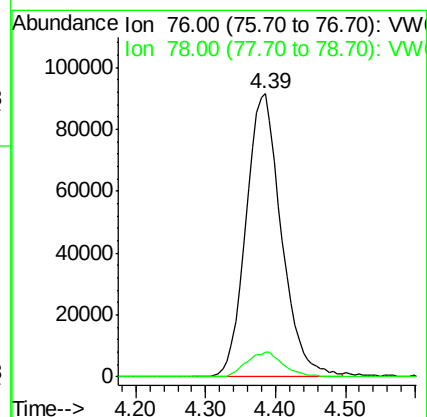
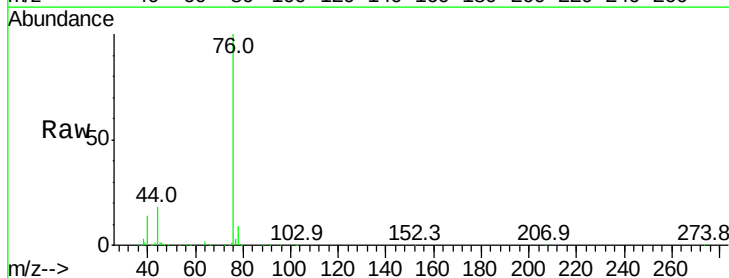
Acq: 23 Mar 2019 08:00

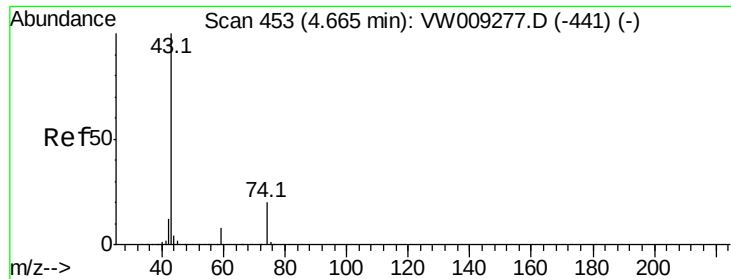
Tgt Ion: 76 Resp: 321689

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

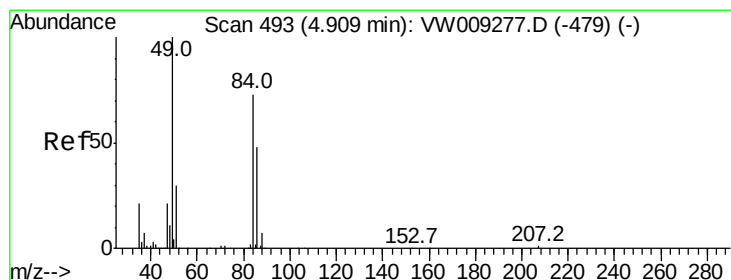
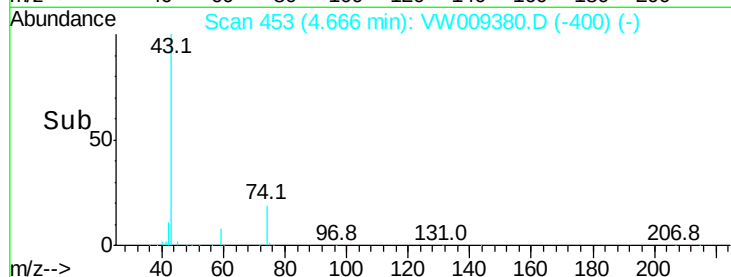
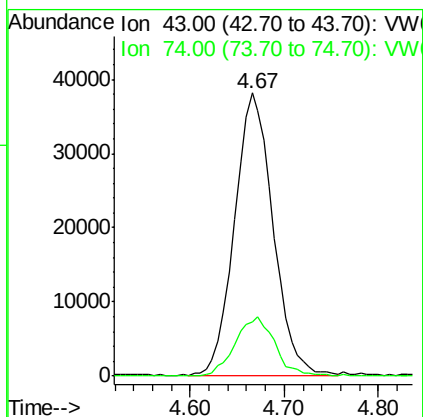
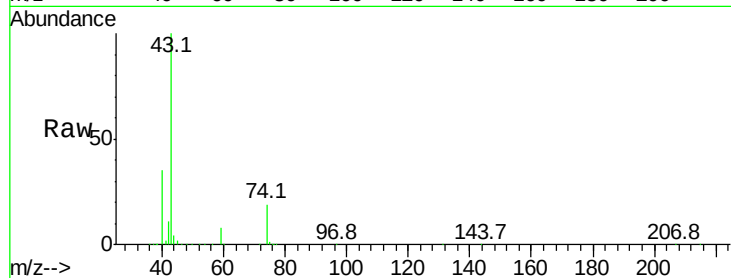




#15
Methyl Acetate
Concen: 39.242 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009380.D
Acq: 23 Mar 2019 08:00

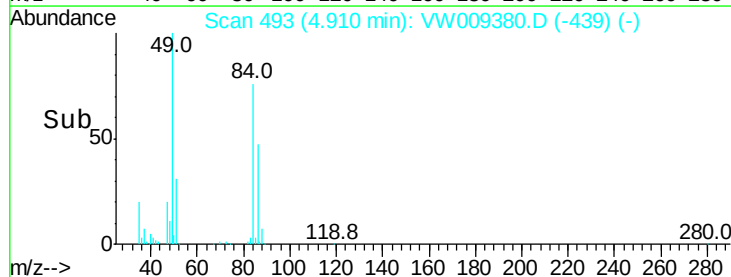
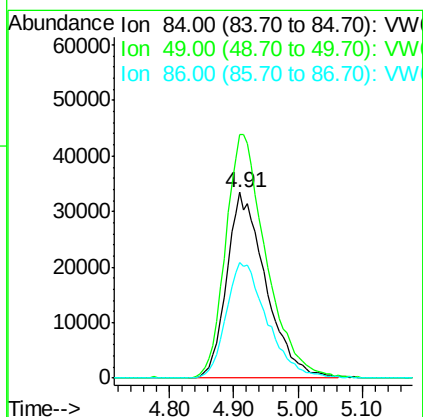
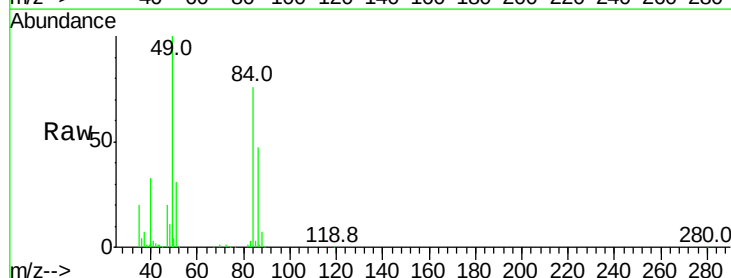
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

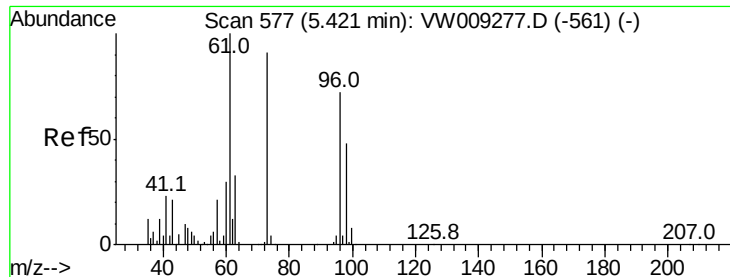
Tgt Ion: 43 Resp: 108386
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1



#16
Methylene chloride
Concen: 27.963 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW009380.D
Acq: 23 Mar 2019 08:00

Tgt Ion: 84 Resp: 141458
Ion Ratio Lower Upper
84 100
49 131.2 96.0 178.2
86 62.2 44.4 82.5

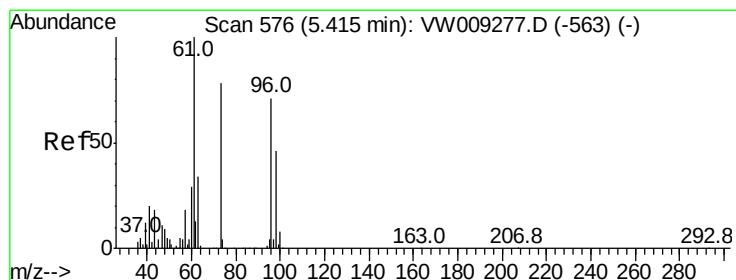
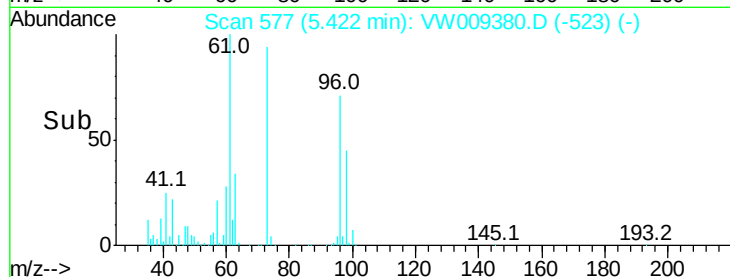
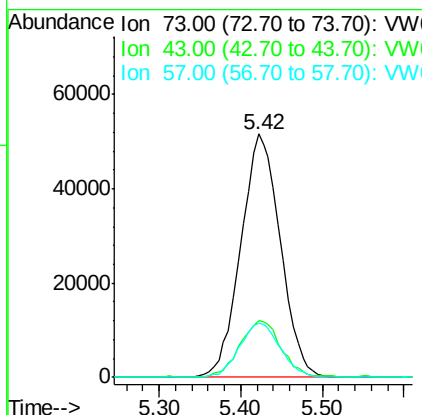
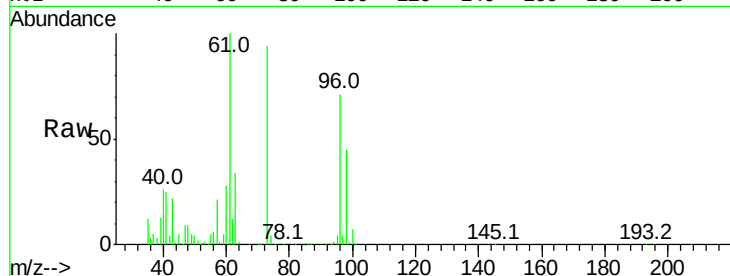




#17
Methyl tert-butyl Ether
Concen: 28.728 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009380.D
Acq: 23 Mar 2019 08:00

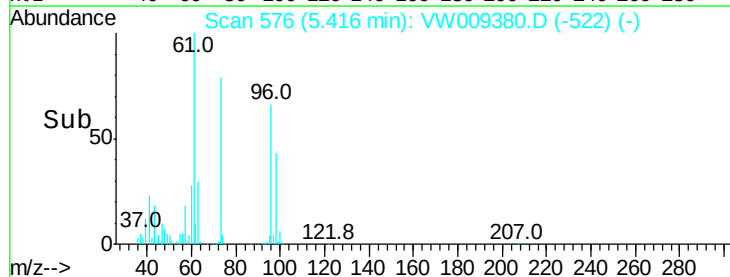
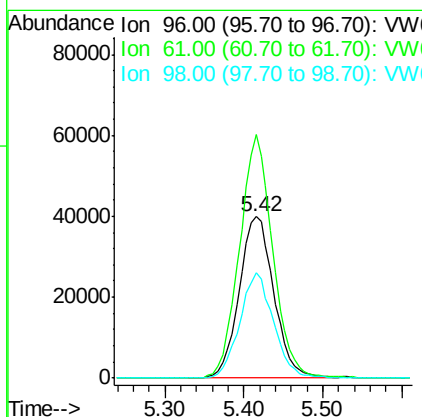
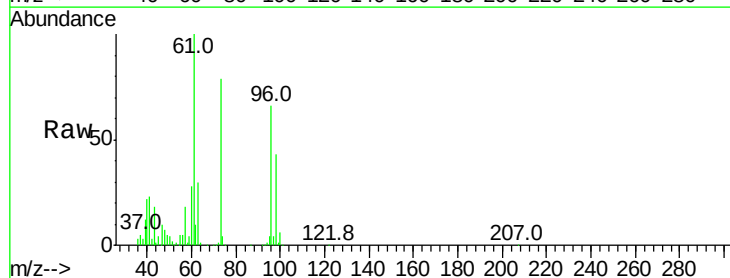
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

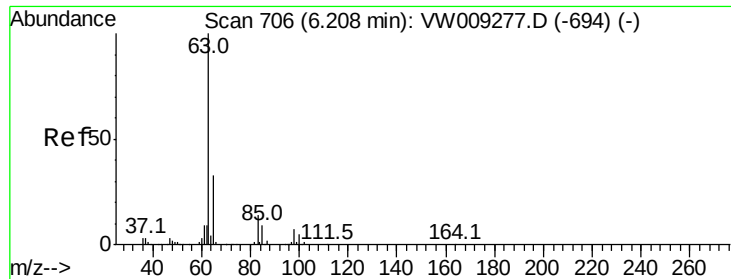
Tgt Ion: 73 Resp: 173646
Ion Ratio Lower Upper
73 100
43 23.9 18.2 27.4
57 23.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 27.168 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009380.D
Acq: 23 Mar 2019 08:00

Tgt Ion: 96 Resp: 122019
Ion Ratio Lower Upper
96 100
61 151.0 96.7 179.5
98 65.1 43.8 81.4

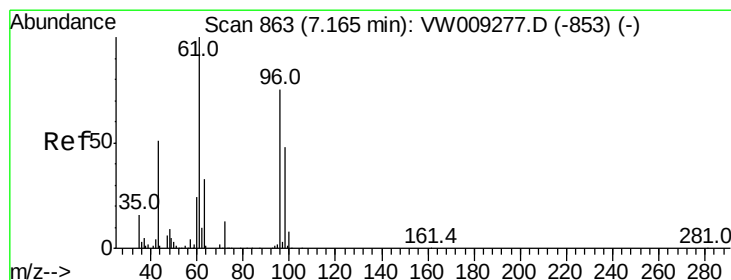
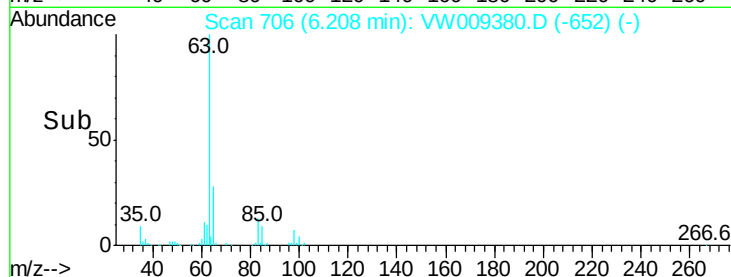
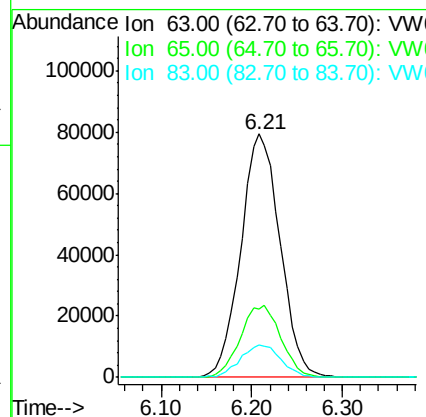
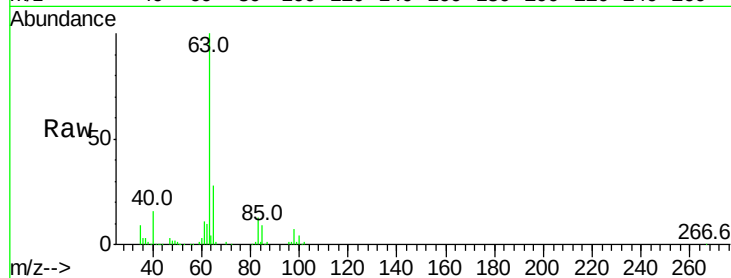




#19
 1,1-Dichloroethane
 Concen: 29.102 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

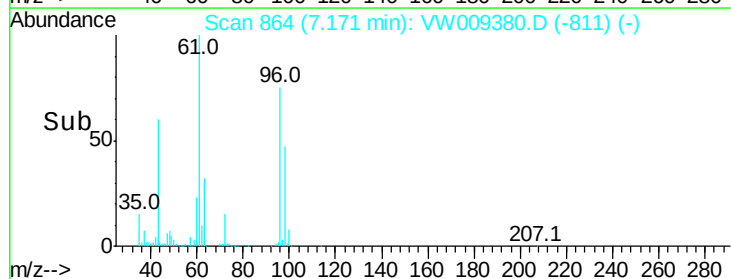
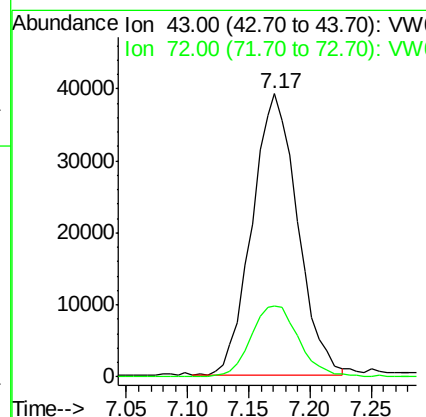
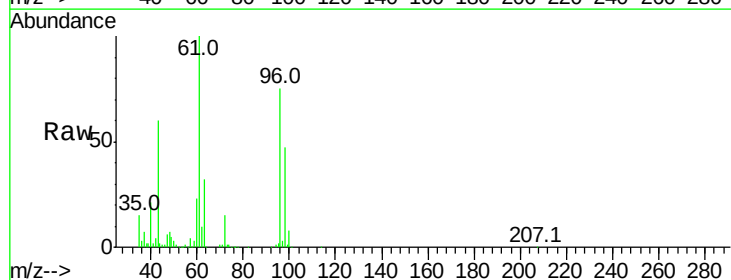
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

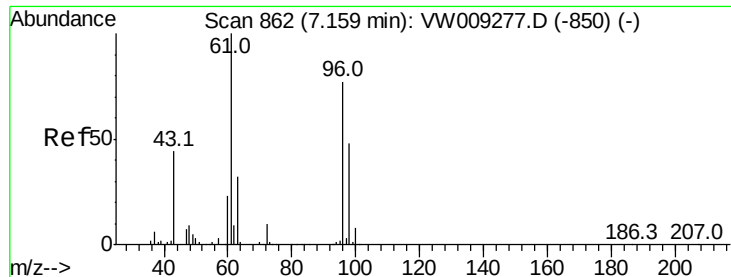
Tgt Ion: 63 Resp: 238326
 Ion Ratio Lower Upper
 63 100
 65 27.9 21.6 40.0
 83 13.2 10.1 18.7



#21
 2-Butanone
 Concen: 52.421 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

Tgt Ion: 43 Resp: 101762
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.1 39.1





#22

cis-1,2-Dichloroethene

Concen: 28.437 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

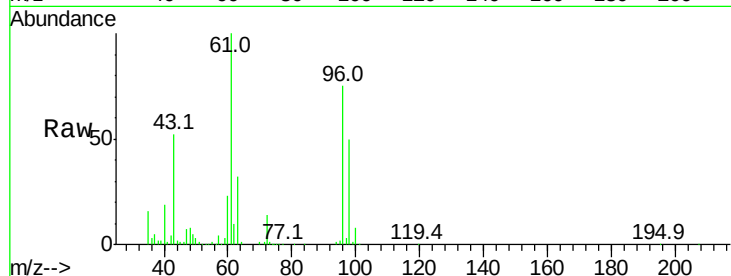
Tgt Ion: 96 Resp: 138356

Ion Ratio Lower Upper

96 100

61 133.1 90.6 168.3

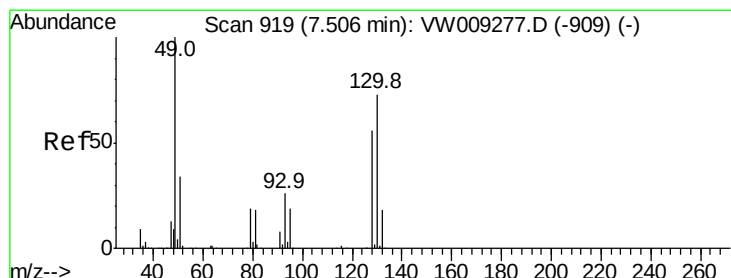
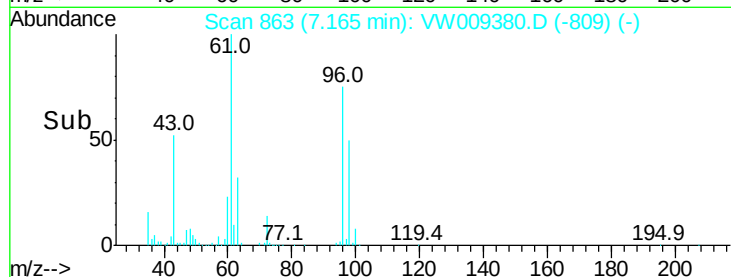
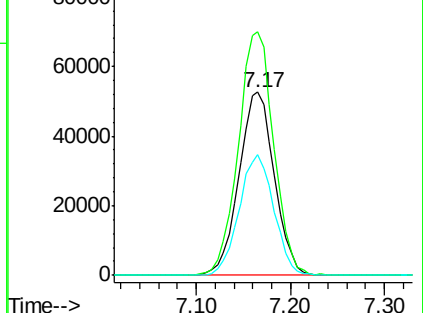
98 66.1 44.0 81.8



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: 29.001 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Tgt Ion:128 Resp: 67675

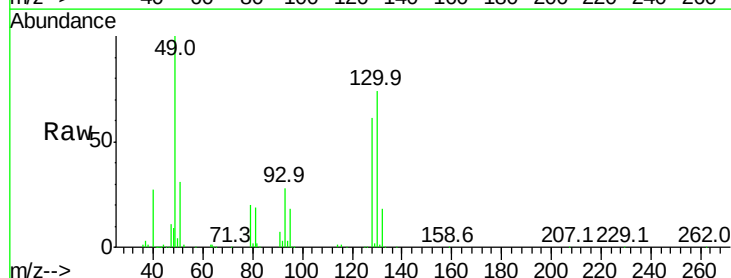
Ion Ratio Lower Upper

128 100

49 162.7 118.4 219.8

130 119.9 87.8 163.2

51 50.3 44.6 67.0

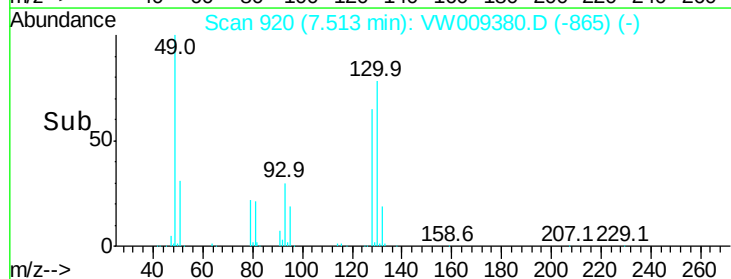
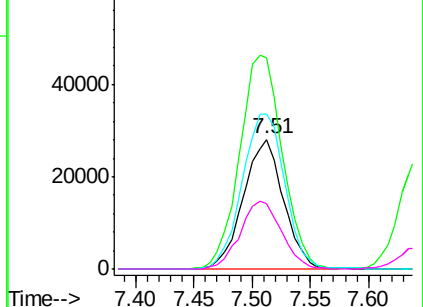


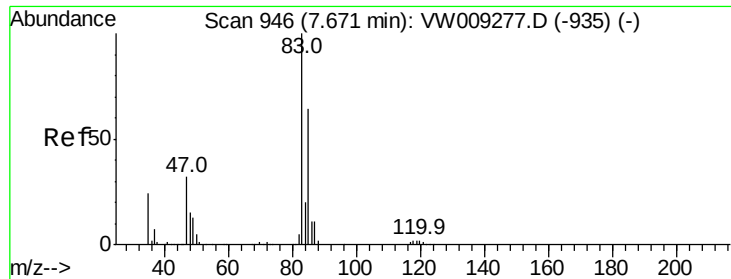
Abundance Ion 128.00 (127.70 to 128.70): V

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





#25

Chloroform

Concen: 30.250 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

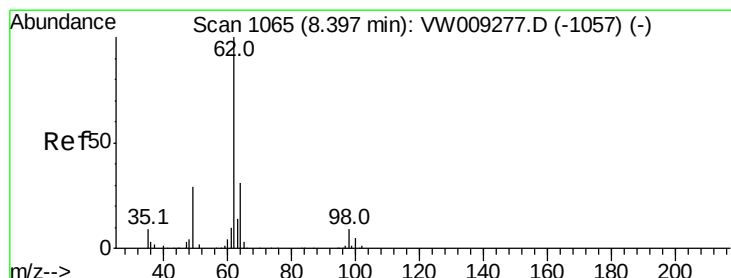
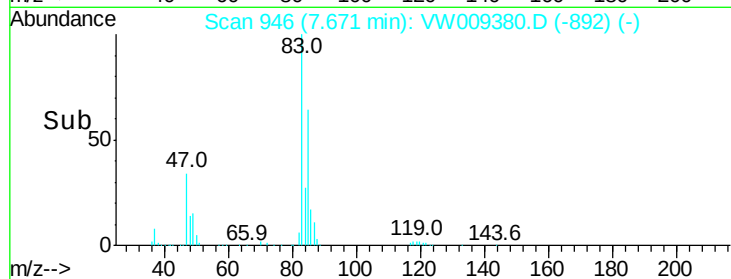
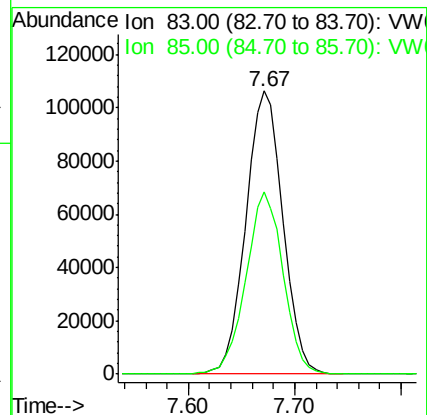
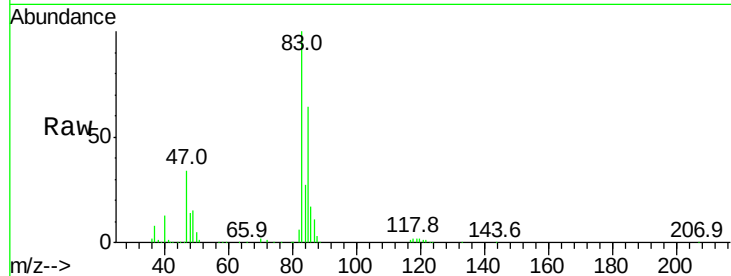
VSTD02521

Tgt Ion: 83 Resp: 259427

Ion Ratio Lower Upper

83 100

85 64.5 46.0 85.4



#27

1,2-Dichloroethane

Concen: 30.705 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009380.D

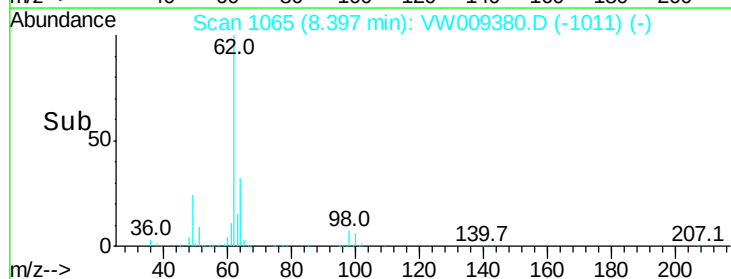
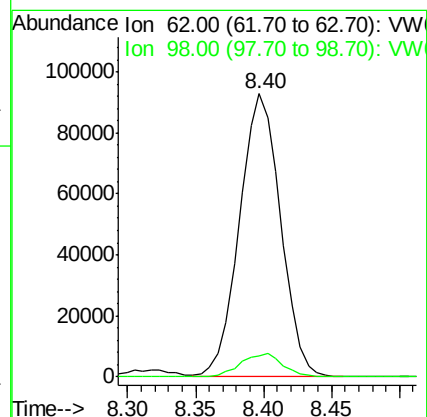
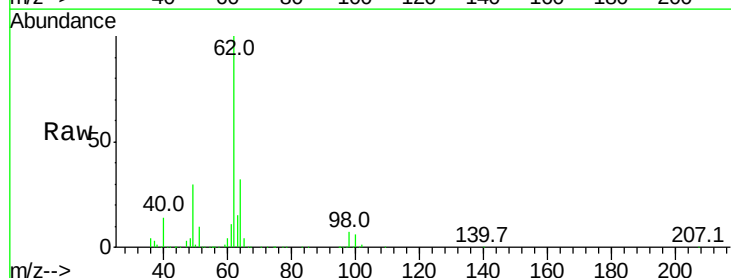
Acq: 23 Mar 2019 08:00

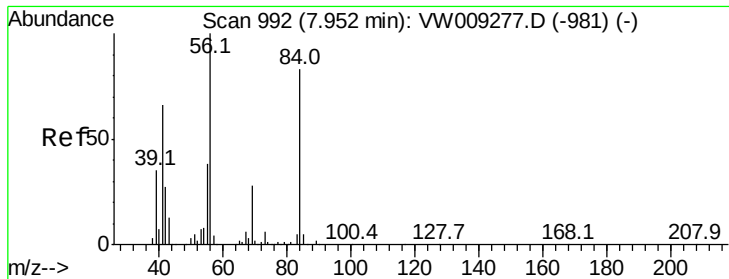
Tgt Ion: 62 Resp: 196329

Ion Ratio Lower Upper

62 100

98 7.4 7.3 10.9





#30

Cyclohexane

Concen: 24.646 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

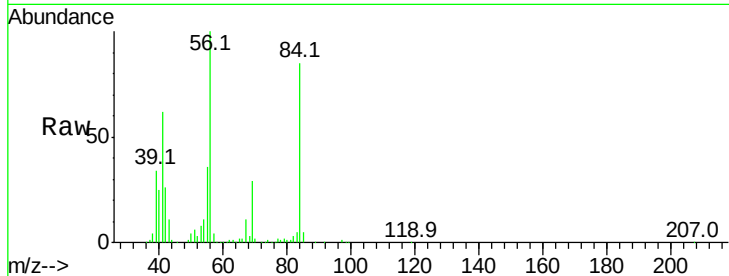
Tgt Ion: 56 Resp: 190311

Ion Ratio Lower Upper

56 100

69 29.0 24.0 36.0

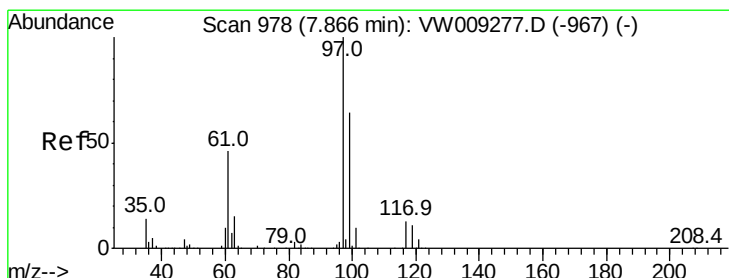
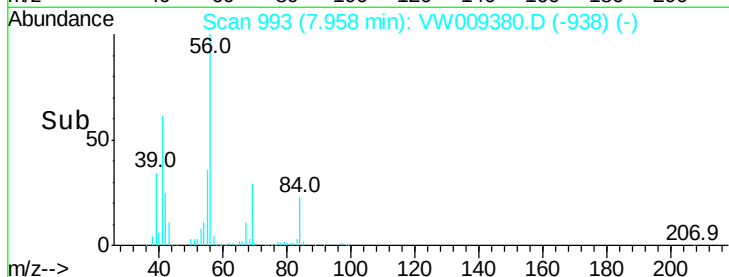
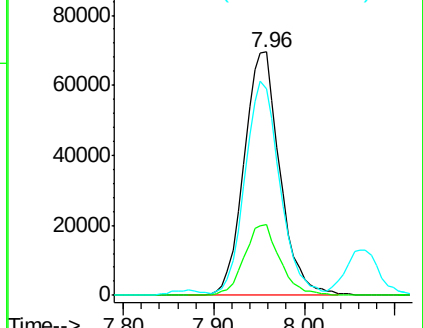
84 85.7 69.2 103.8



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: 28.042 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

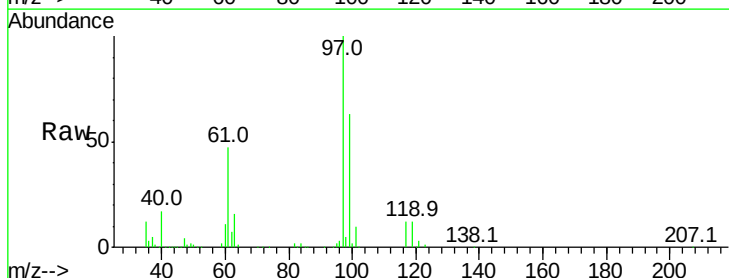
Tgt Ion: 97 Resp: 190425

Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

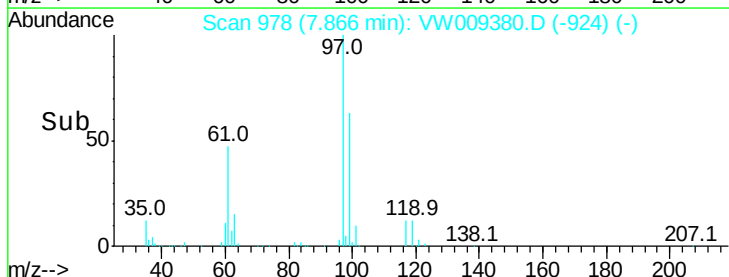
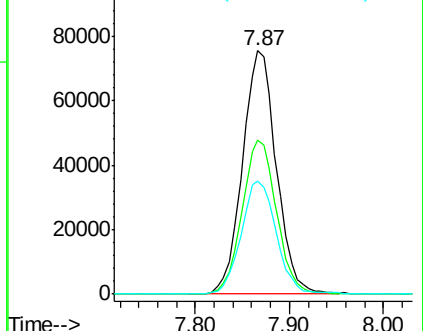
61 47.7 38.4 57.6

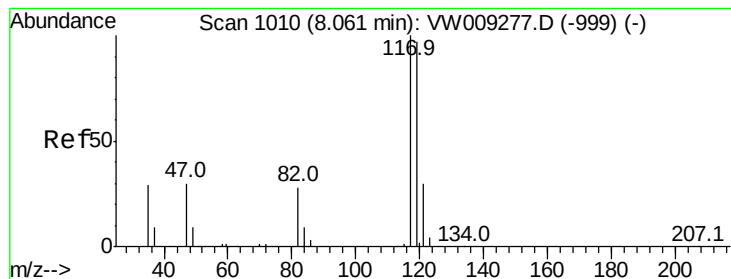


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.697 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

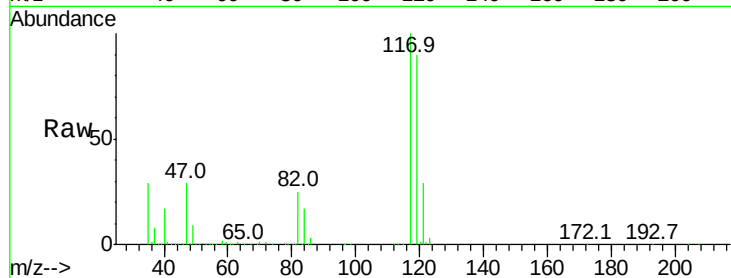
VSTD02521

Tgt Ion:117 Resp: 189758

Ion Ratio Lower Upper

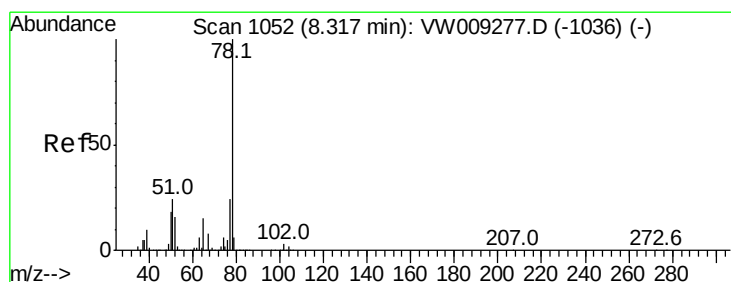
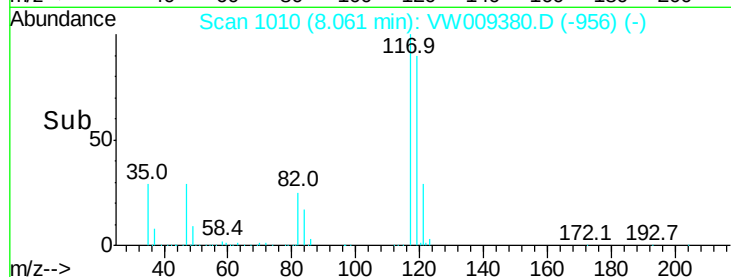
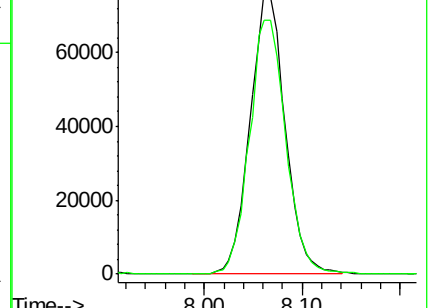
117 100

119 94.0 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.557 ug/L

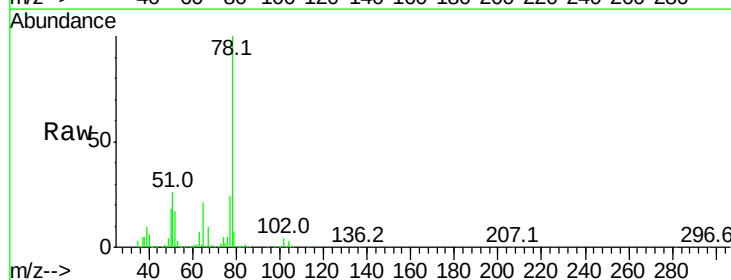
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW009380.D

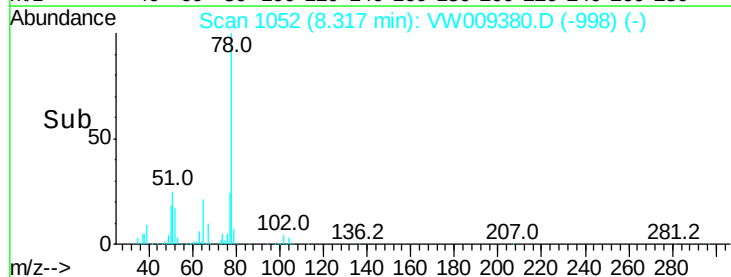
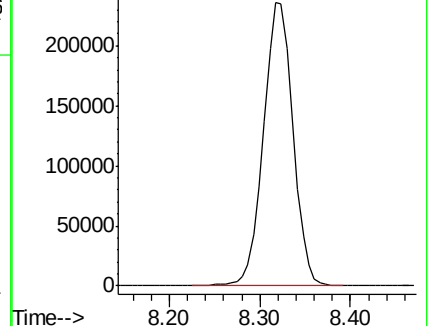
Acq: 23 Mar 2019 08:00

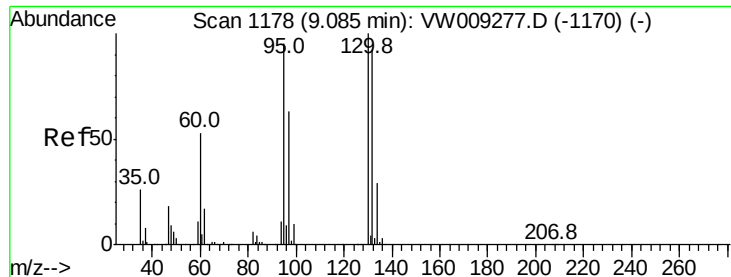
Tgt Ion: 78 Resp: 531435



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32





#35

Trichloroethene

Concen: 26.971 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

Tgt Ion: 95 Resp: 133744

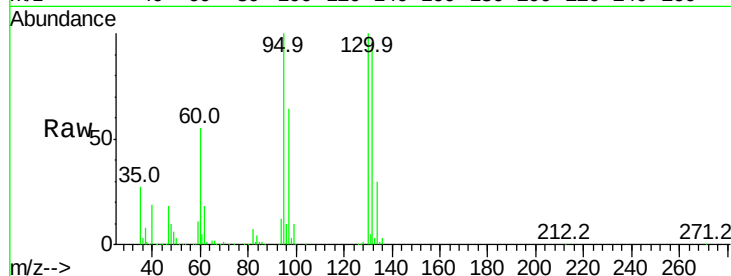
Ion Ratio Lower Upper

95 100

97 64.3 44.7 82.9

132 99.7 69.0 128.2

130 104.3 72.7 134.9

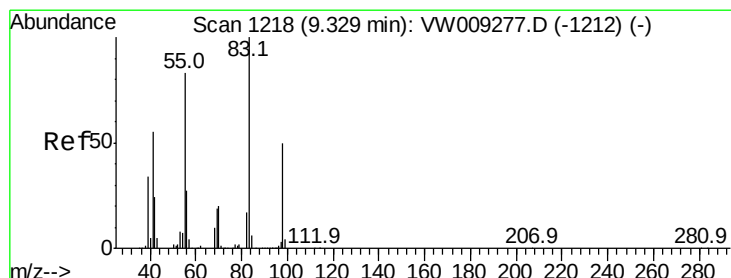
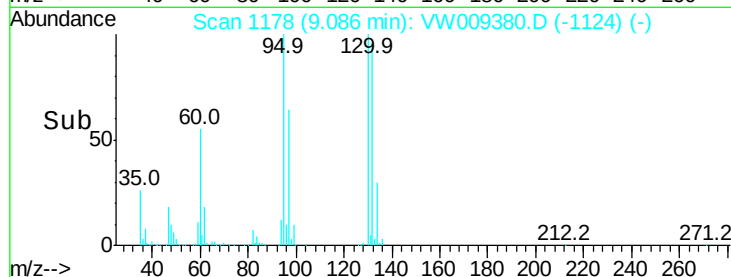
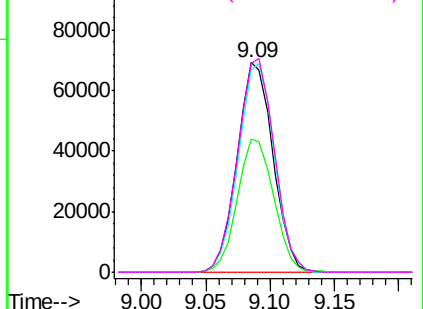


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.433 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

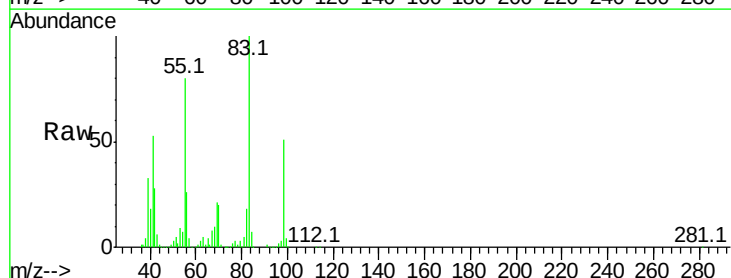
Tgt Ion: 83 Resp: 209612

Ion Ratio Lower Upper

83 100

55 81.4 63.5 95.3

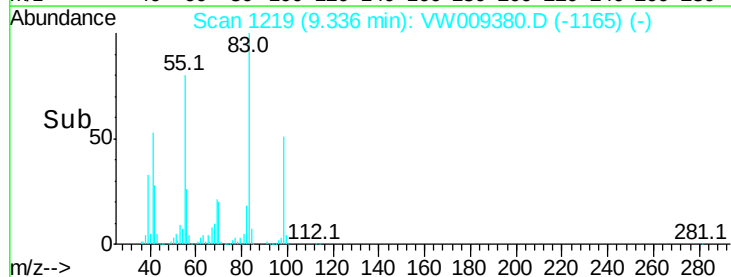
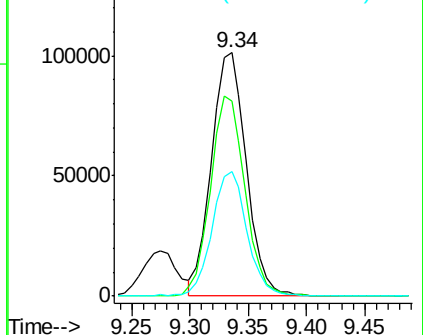
98 51.4 39.8 59.8

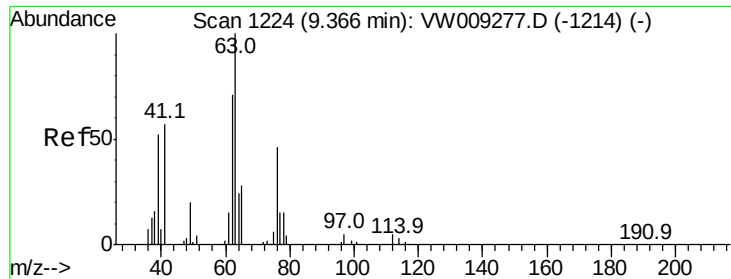


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

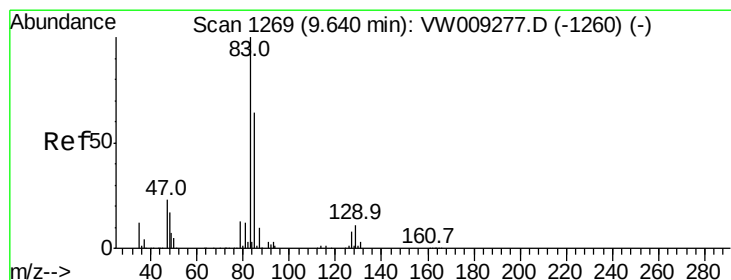
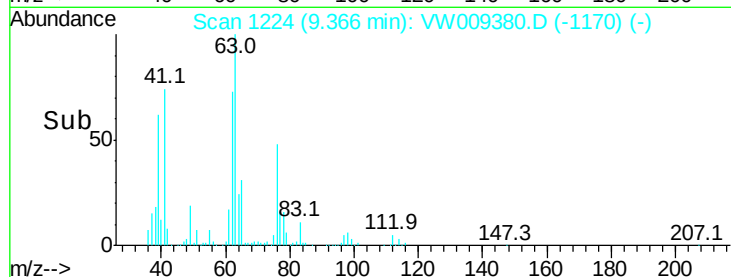
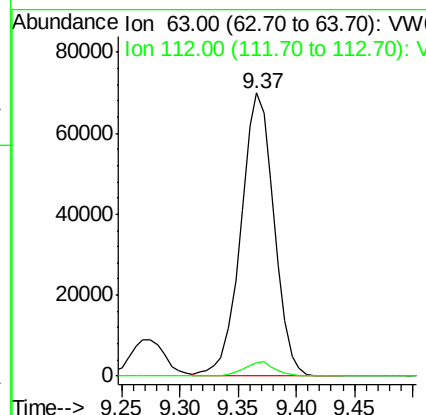
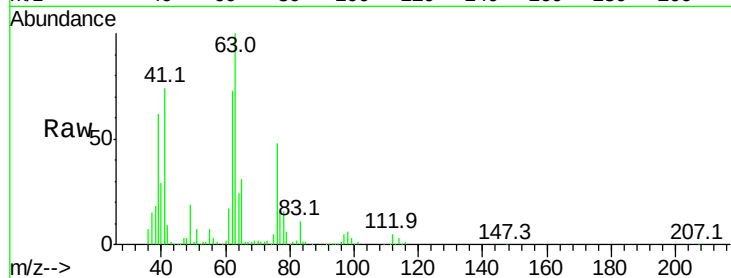




#40
 1,2-Dichloropropane
 Concen: 29.139 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

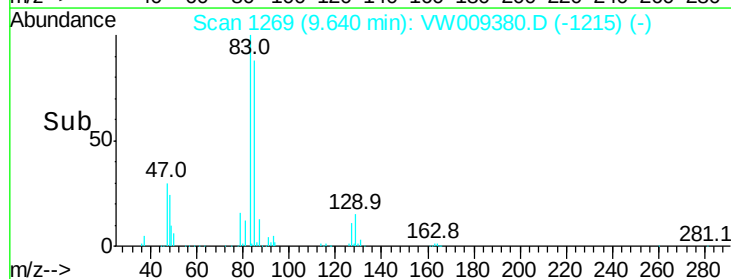
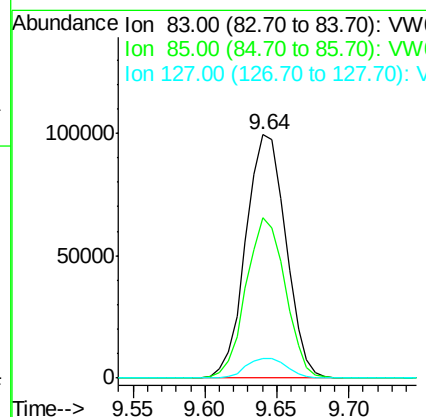
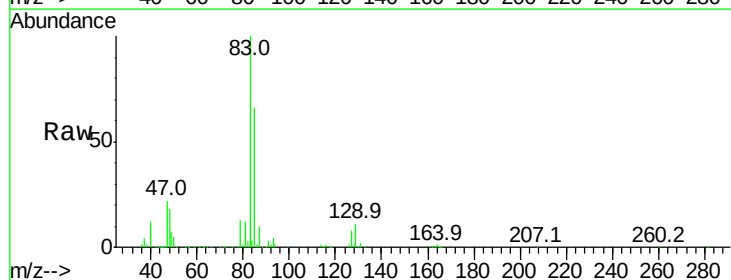
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

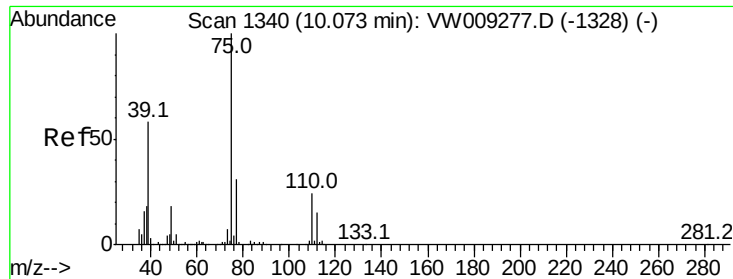
Tgt Ion: 63 Resp: 139149
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#41
 Bromodichloromethane
 Concen: 29.030 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

Tgt Ion: 83 Resp: 192085
 Ion Ratio Lower Upper
 83 100
 85 65.9 43.5 80.7
 127 8.2 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.199 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampled :

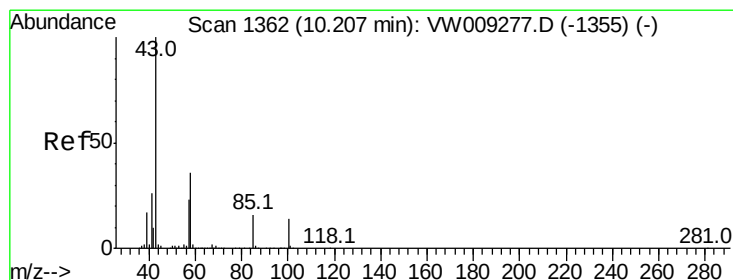
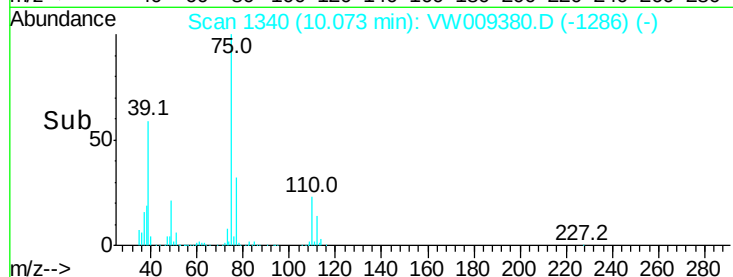
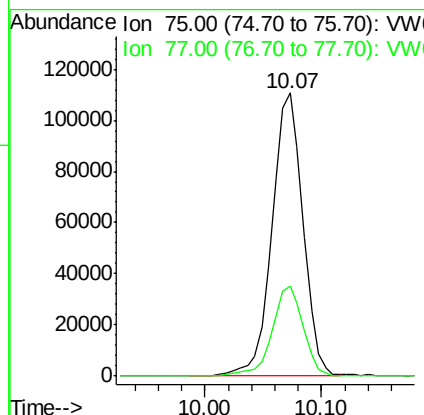
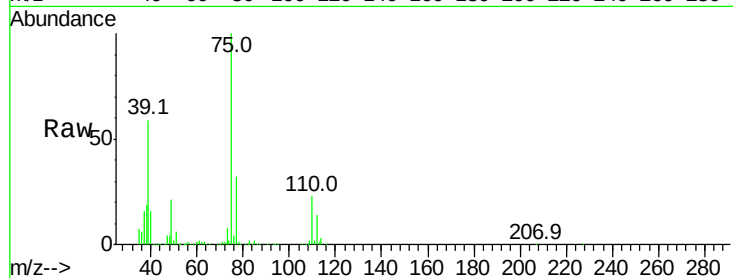
VSTD02521

Tgt Ion: 75 Resp: 203769

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 57.742 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

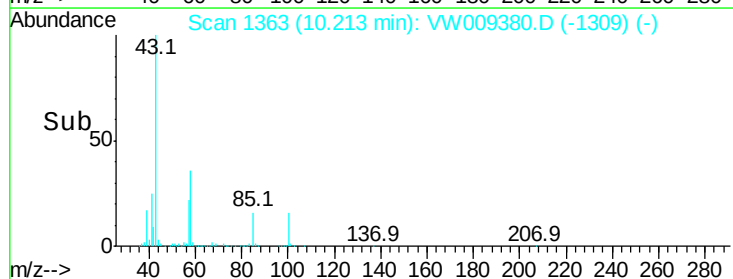
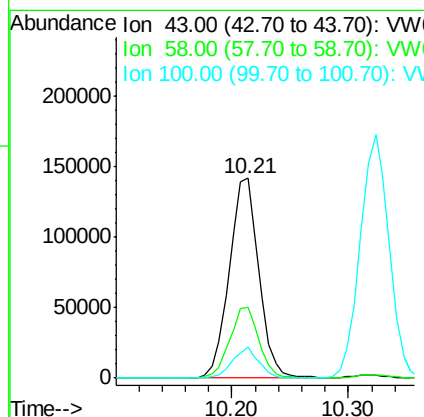
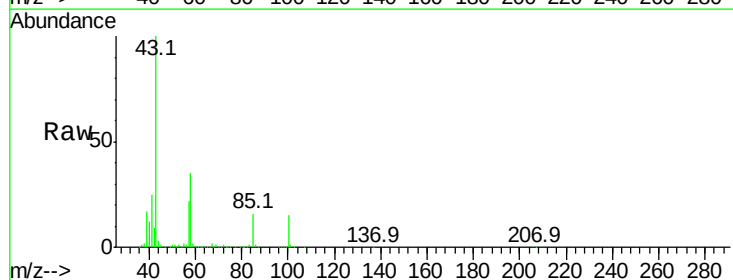
Tgt Ion: 43 Resp: 249861

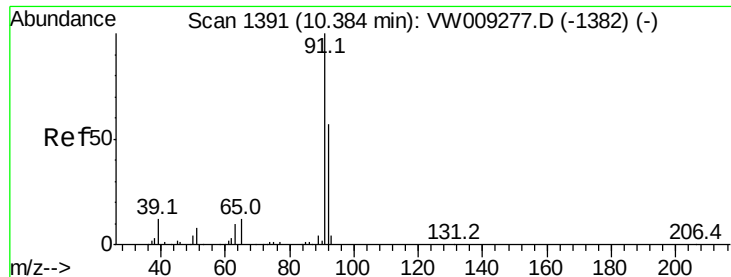
Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2

100 13.8 11.4 17.2





#44

Toluene

Concen: 28.008 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

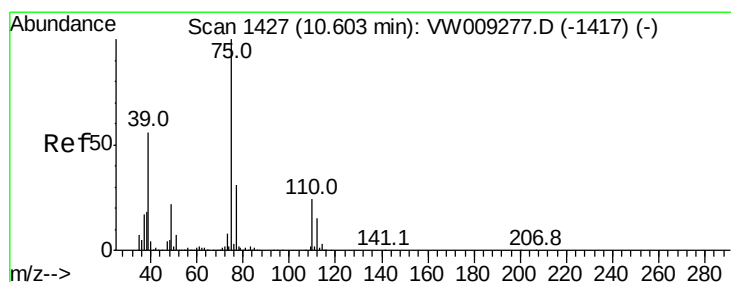
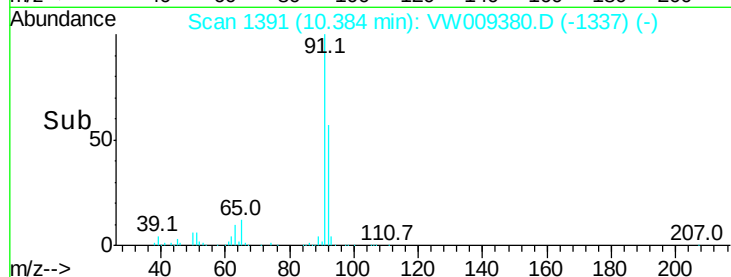
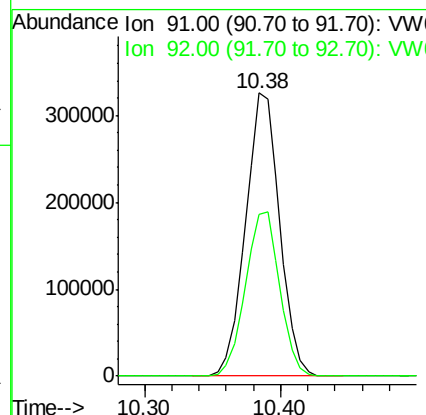
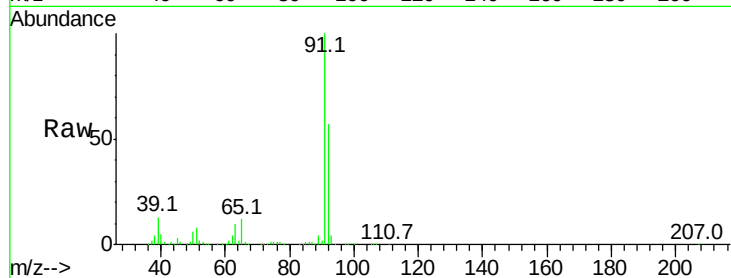
VSTD02521

Tgt Ion: 91 Resp: 569873

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.484 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009380.D

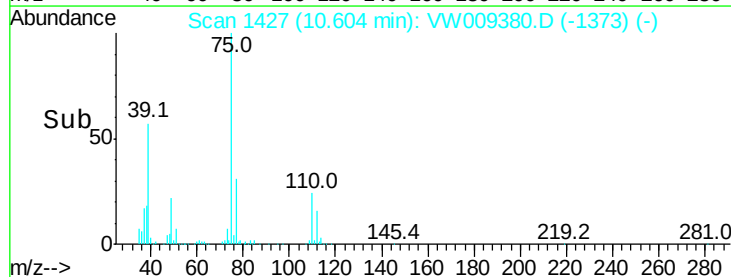
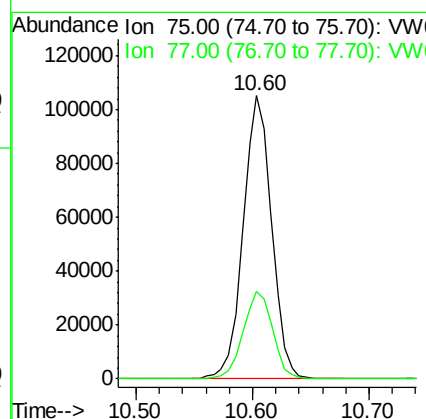
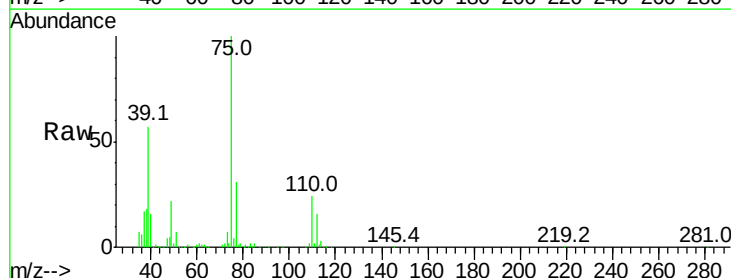
Acq: 23 Mar 2019 08:00

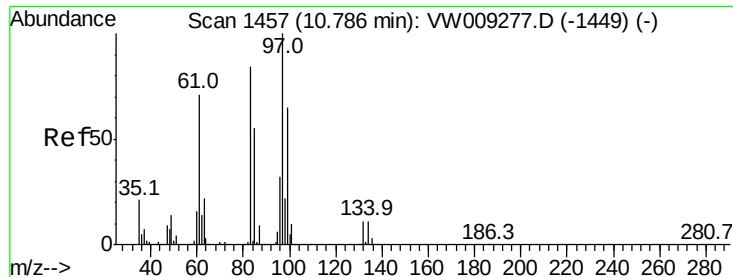
Tgt Ion: 75 Resp: 179191

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 29.557 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

Tgt Ion: 97 Resp: 112605

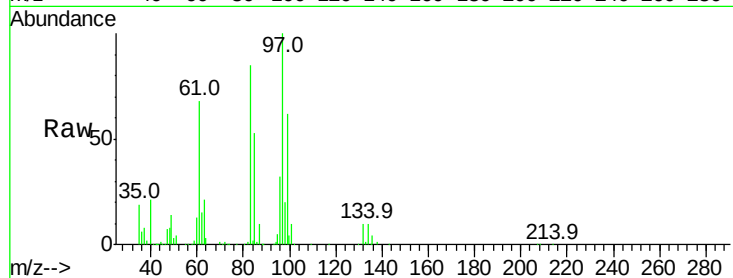
Ion Ratio Lower Upper

97 100

83 85.1 60.7 112.7

85 53.5 40.1 74.5

99 62.1 43.8 81.3

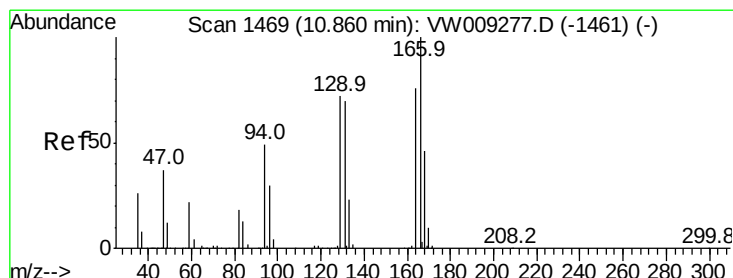
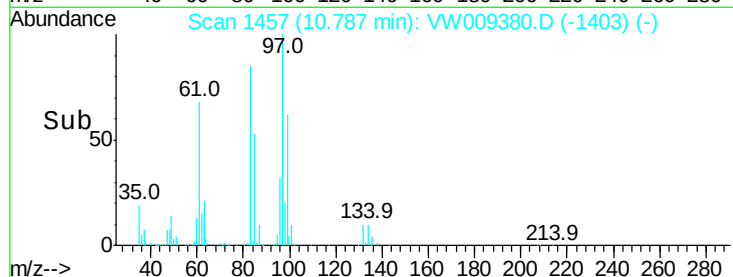
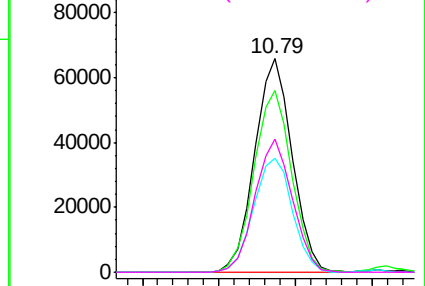


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.508 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Tgt Ion: 164 Resp: 106876

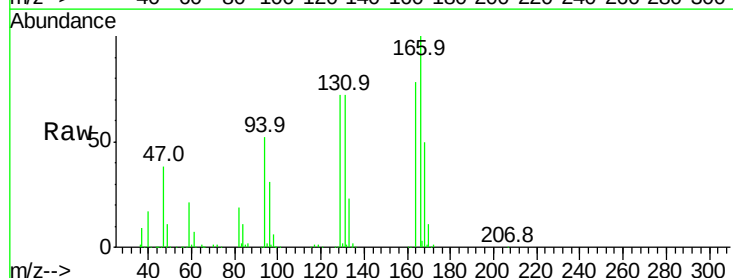
Ion Ratio Lower Upper

164 100

129 91.5 66.5 123.5

131 92.4 62.6 116.3

166 127.5 91.6 170.0

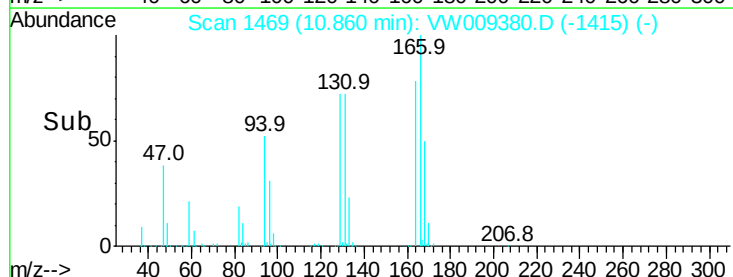
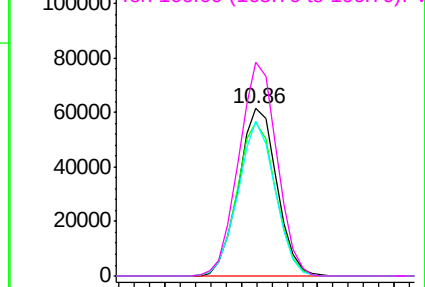


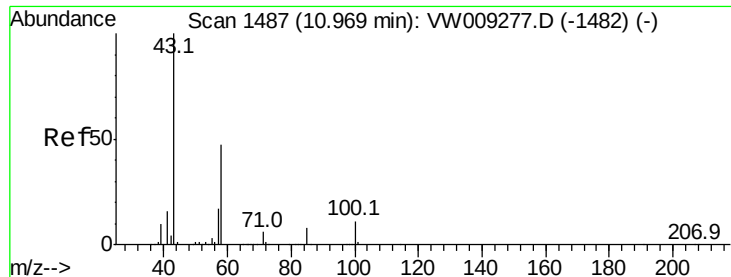
Abundance Ion 164.00 (163.70 to 164.70): V

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: 52.513 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tgt Ion: 43 Resp: 160043

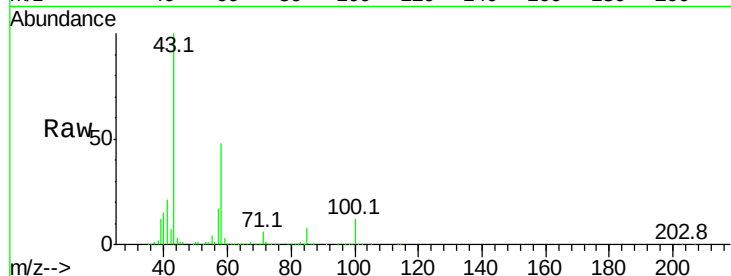
Ion Ratio Lower Upper

43 100

58 52.2 39.2 58.8

57 17.8 14.2 21.2

100 11.5 8.9 13.3

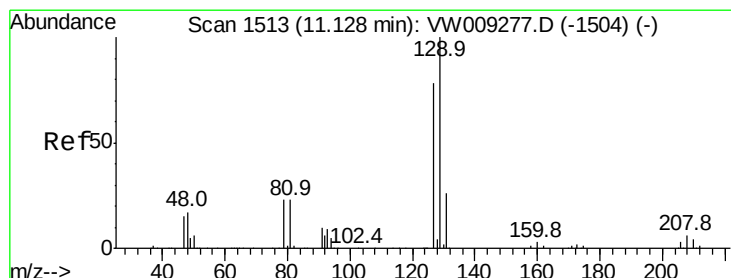
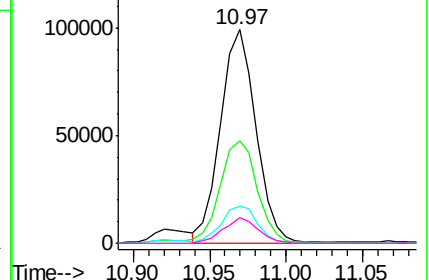
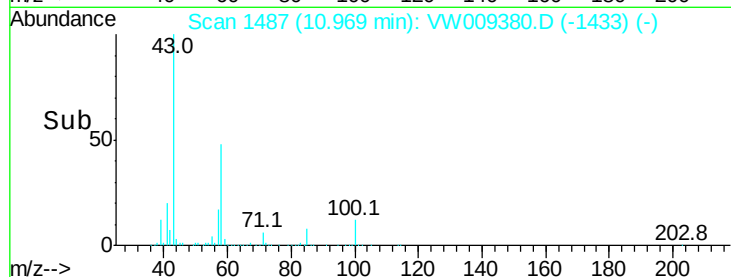


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 29.056 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009380.D

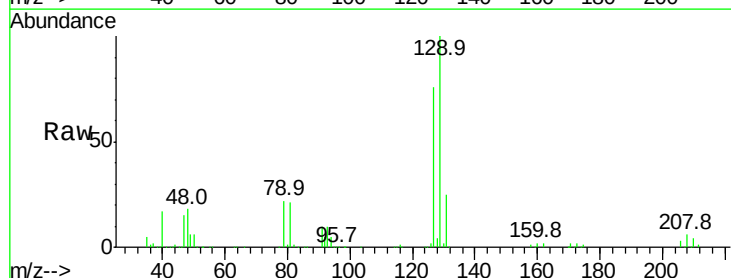
Acq: 23 Mar 2019 08:00

Tgt Ion: 129 Resp: 136651

Ion Ratio Lower Upper

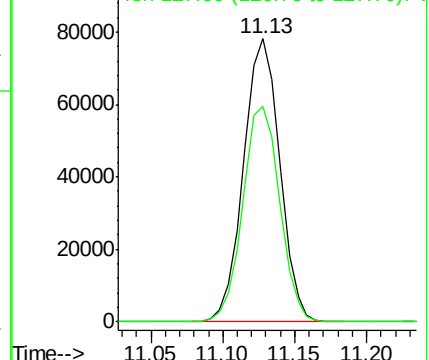
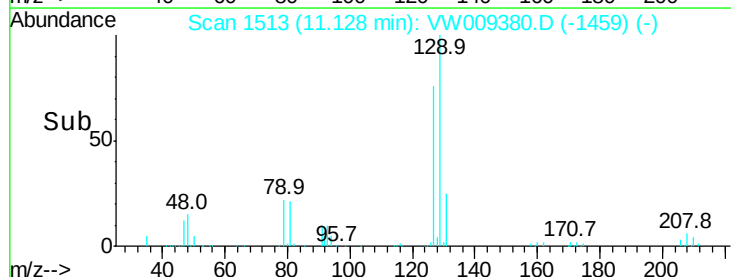
129 100

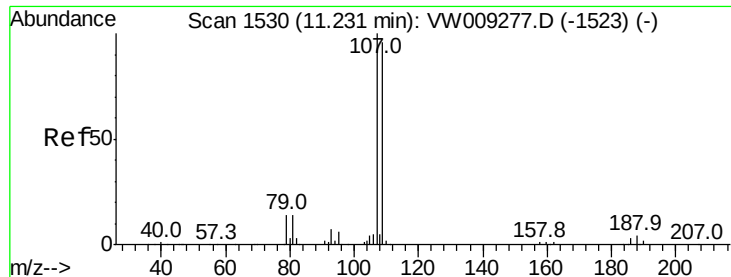
127 76.3 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

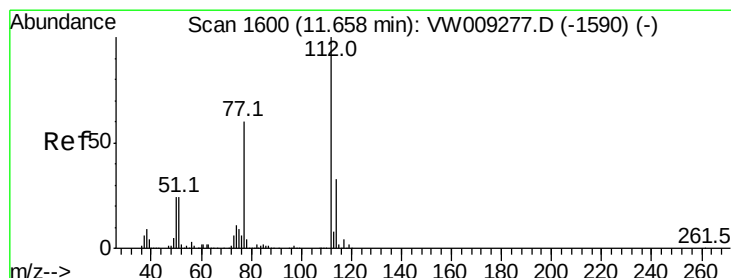
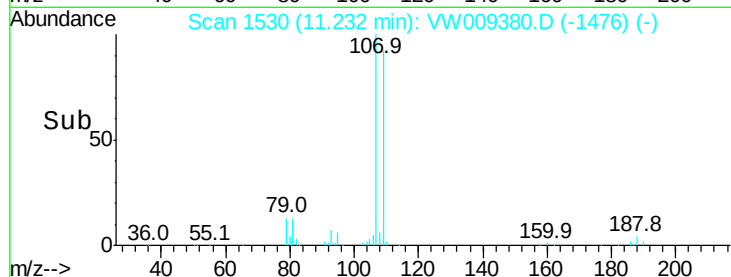
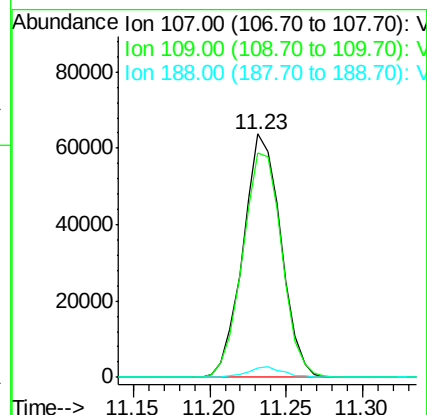
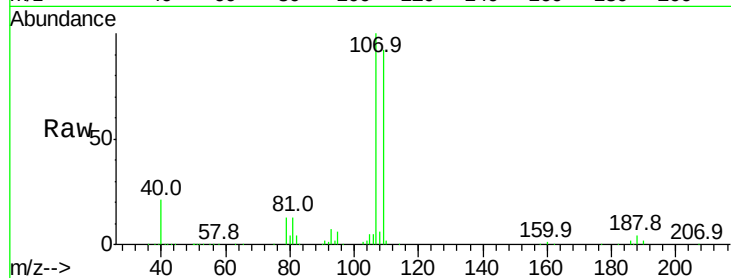




#51
1,2-Dibromoethane
Concen: 28.429 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW009380.D
Acq: 23 Mar 2019 08:00

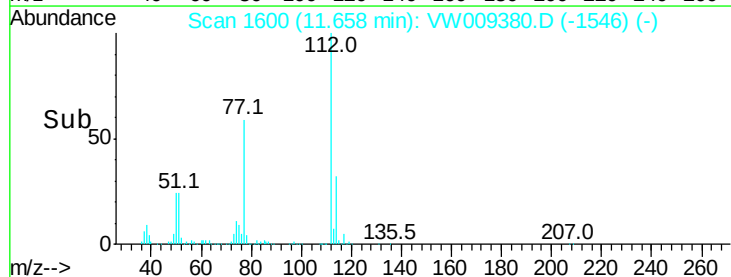
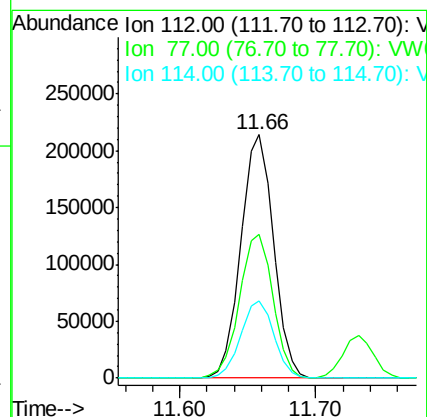
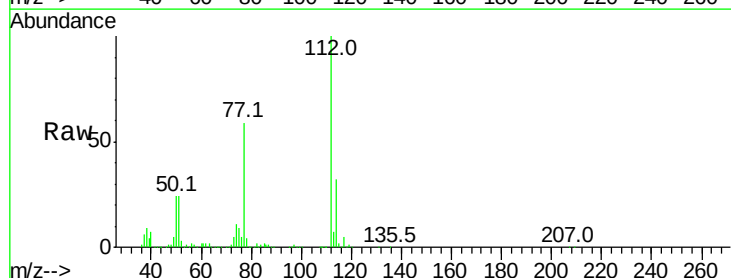
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

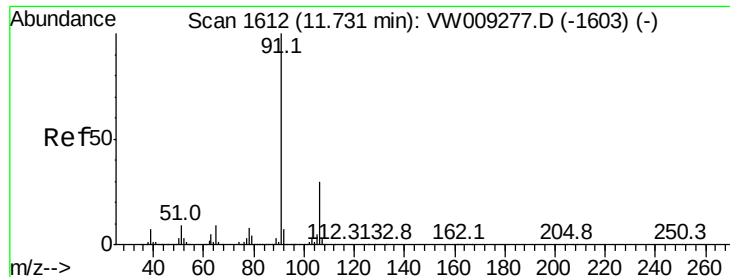
Tgt Ion:107 Resp: 109798
Ion Ratio Lower Upper
107 100
109 92.1 68.0 126.4
188 4.0 3.5 5.3



#52
Chlorobenzene
Concen: 27.558 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009380.D
Acq: 23 Mar 2019 08:00

Tgt Ion:112 Resp: 359631
Ion Ratio Lower Upper
112 100
77 59.2 45.7 68.5
114 31.8 22.8 42.4





#53

Ethylbenzene

Concen: 27.614 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

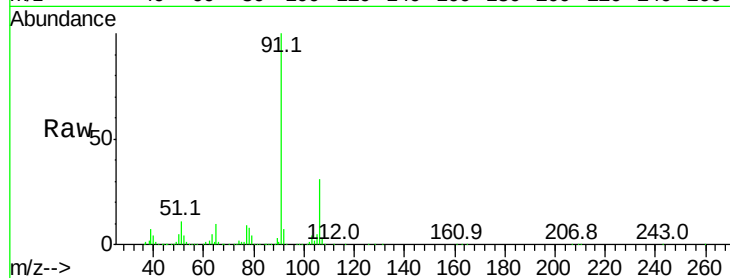
VSTD02521

Tgt Ion: 91 Resp: 631691

Ion Ratio Lower Upper

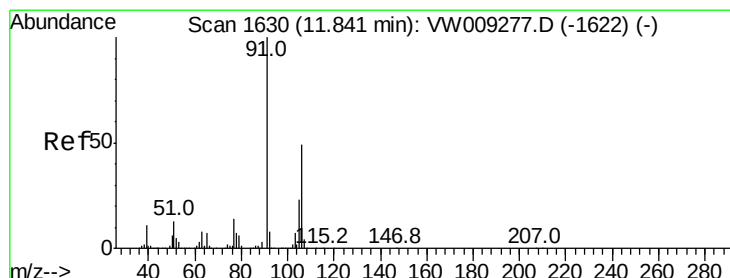
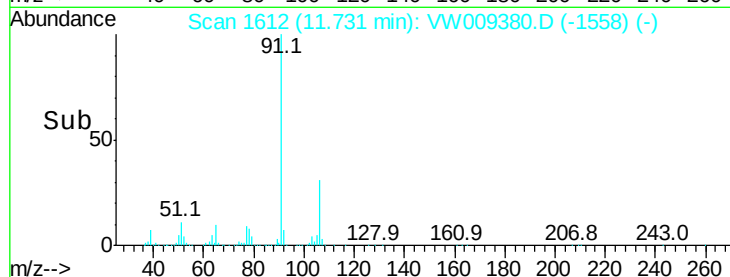
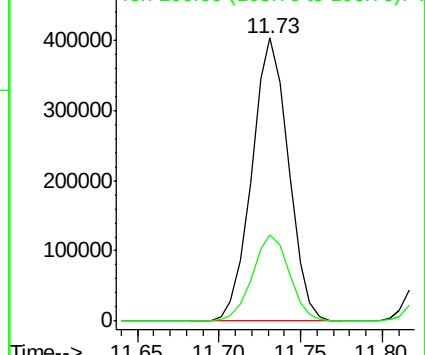
91 100

106 30.7 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.290 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009380.D

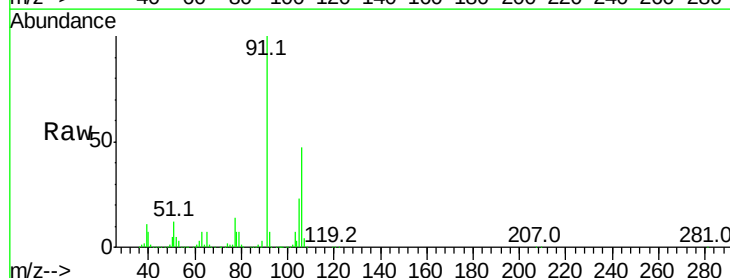
Acq: 23 Mar 2019 08:00

Tgt Ion: 106 Resp: 237173

Ion Ratio Lower Upper

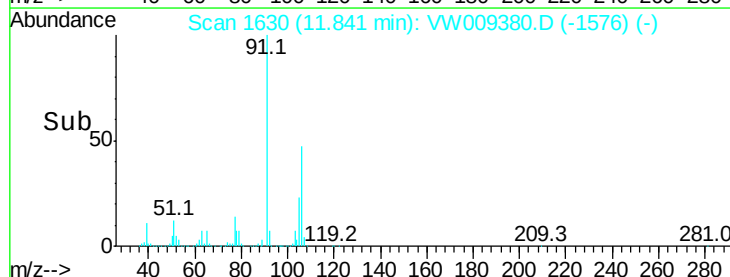
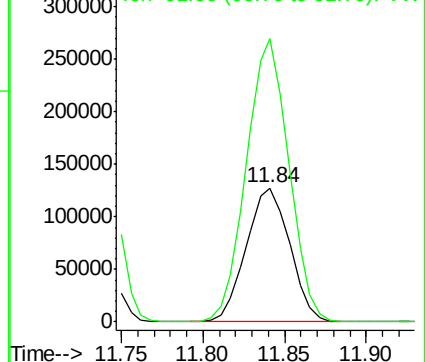
106 100

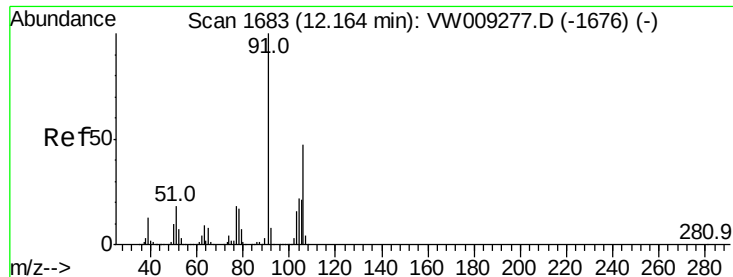
91 211.8 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.289 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

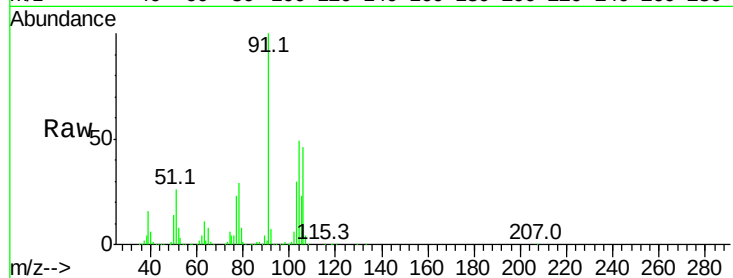
VSTD02521

Tgt Ion:106 Resp: 231372

Ion Ratio Lower Upper

106 100

91 216.7 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

200000

100000

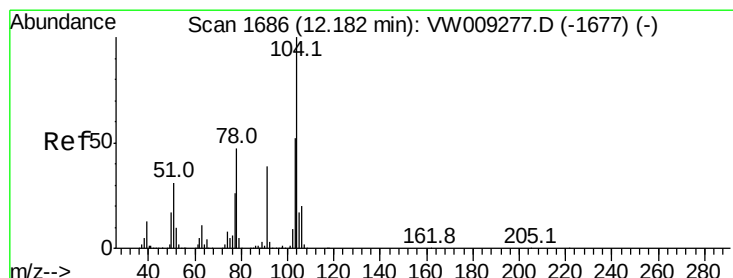
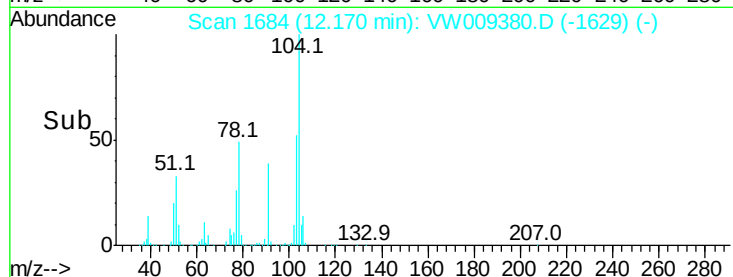
0

12.10

12.15

12.20

Time-->



#56

Styrene

Concen: 28.152 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009380.D

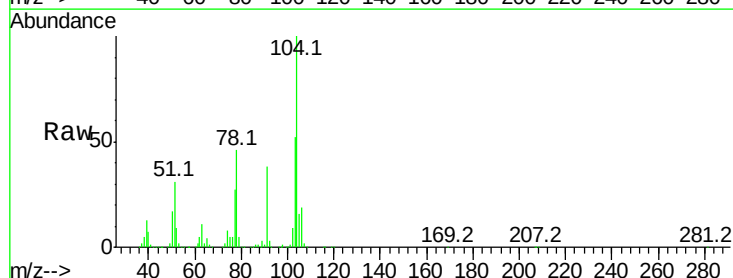
Acq: 23 Mar 2019 08:00

Tgt Ion:104 Resp: 407252

Ion Ratio Lower Upper

104 100

78 46.2 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

100000

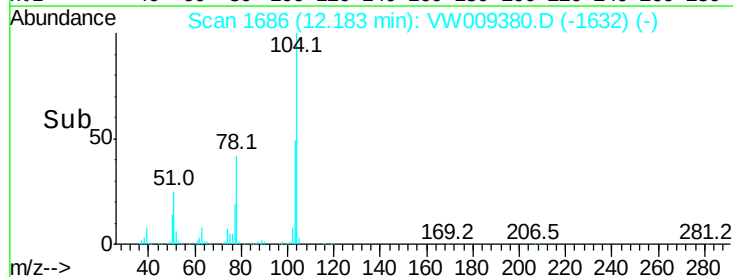
50000

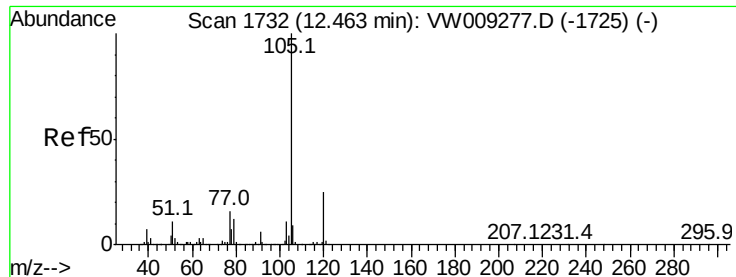
0

12.10

12.20

Time-->





#57

Isopropylbenzene

Concen: 27.364 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

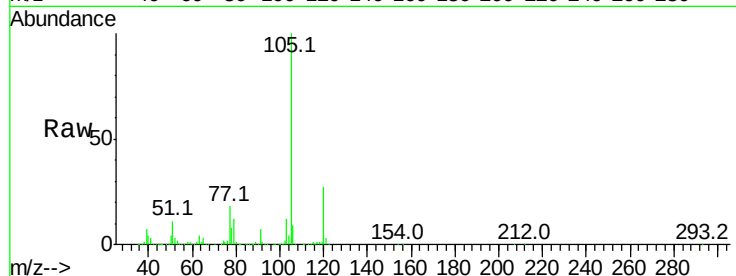
Tgt Ion: 105 Resp: 621496

Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

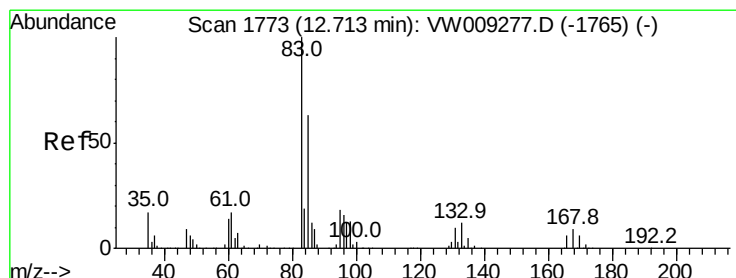
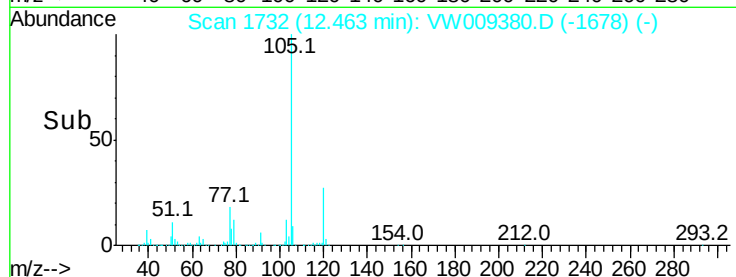
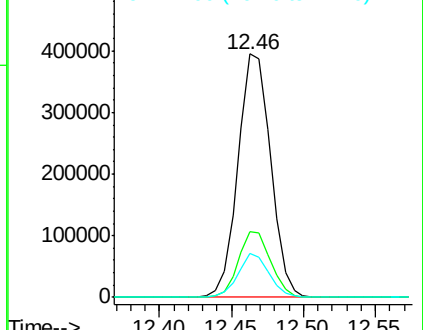
77 17.1 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 30.215 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

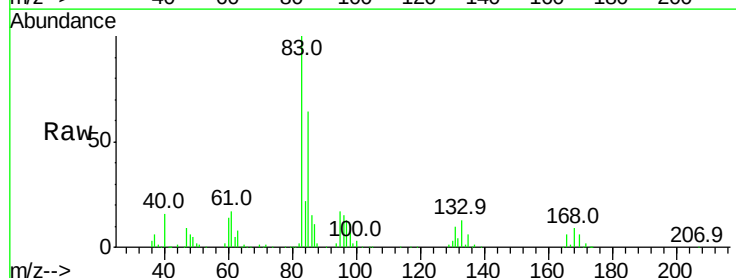
Tgt Ion: 83 Resp: 155291

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.8

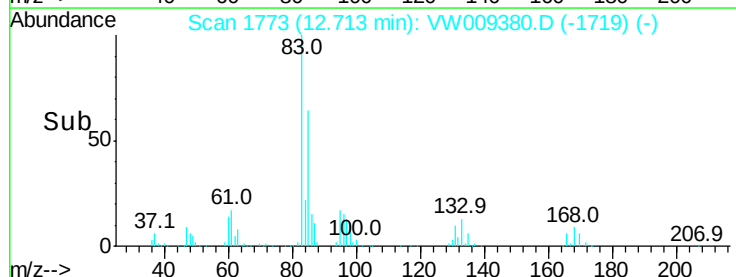
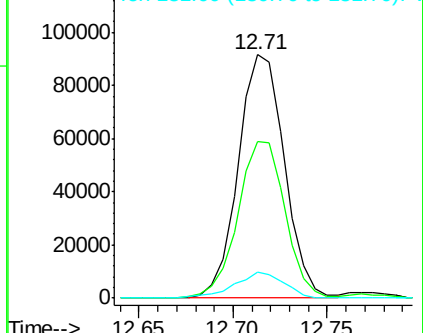
131 10.5 9.2 13.8

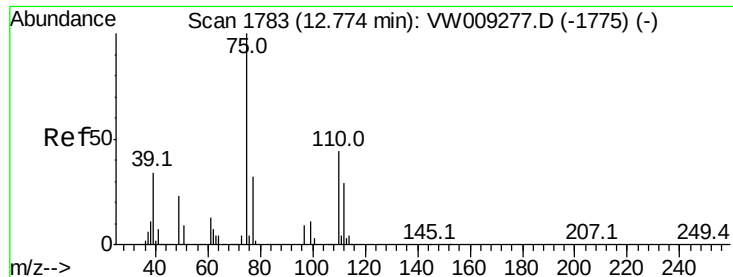


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.699 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

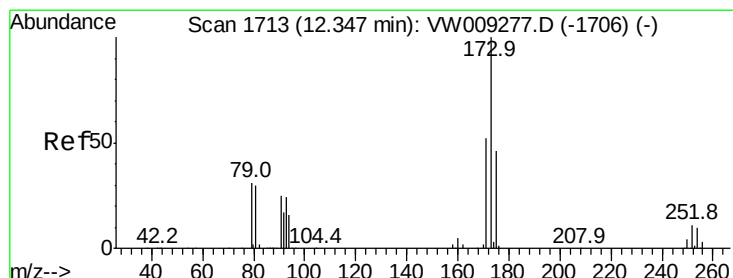
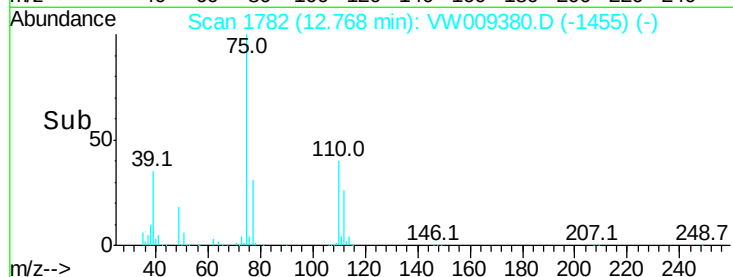
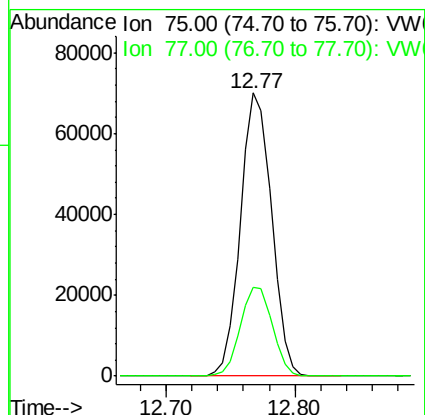
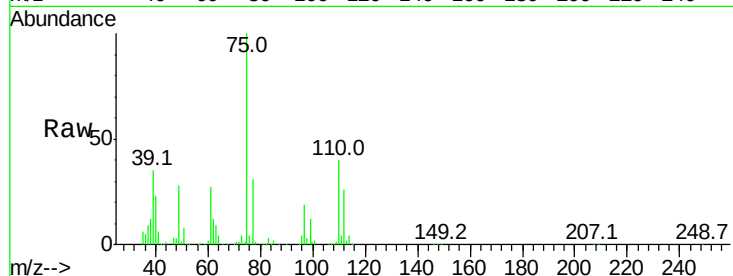
VSTD02521

Tgt Ion: 75 Resp: 117095

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



#62

Bromoform

Concen: 30.212 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

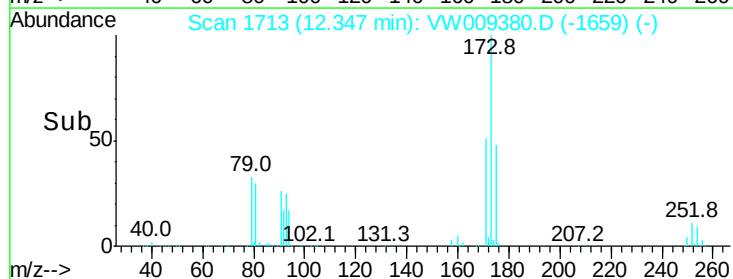
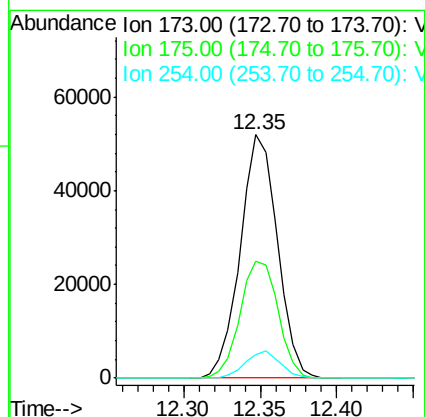
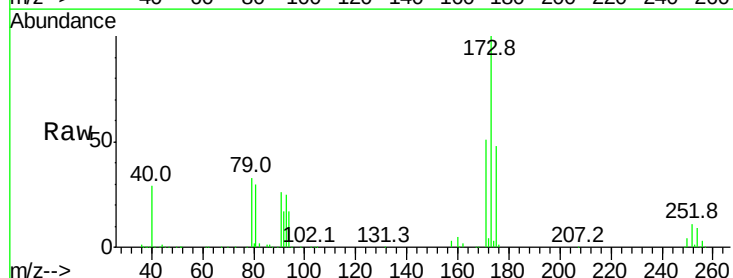
Tgt Ion: 173 Resp: 87623

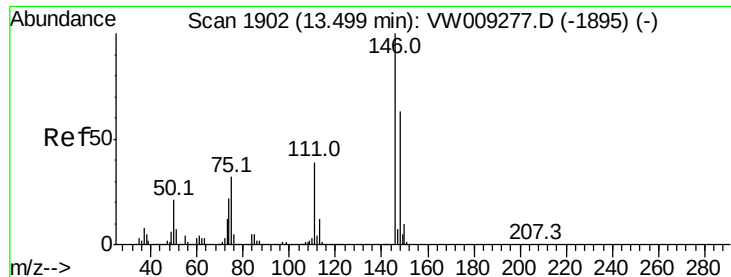
Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

254 10.6 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 26.734 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

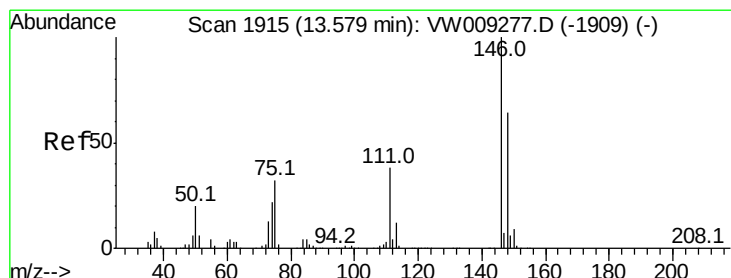
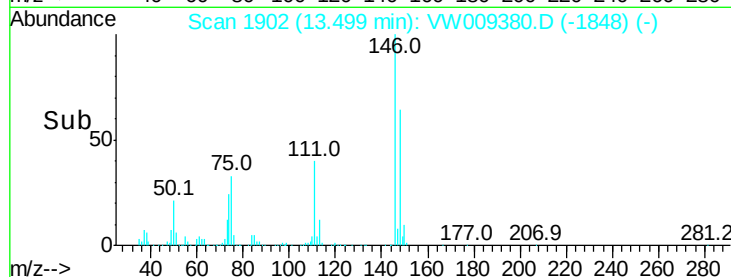
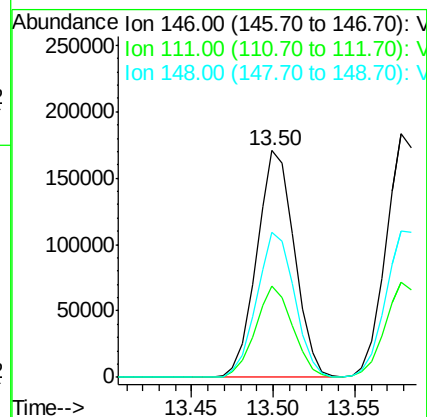
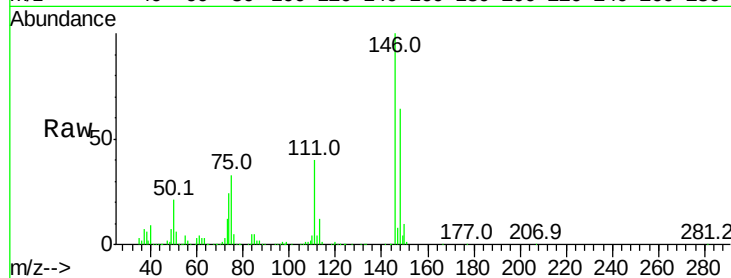
Tgt Ion:146 Resp: 273493

Ion Ratio Lower Upper

146 100

111 40.2 26.9 49.9

148 63.8 45.1 83.7



#64

1,4-Dichlorobenzene

Concen: 27.821 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

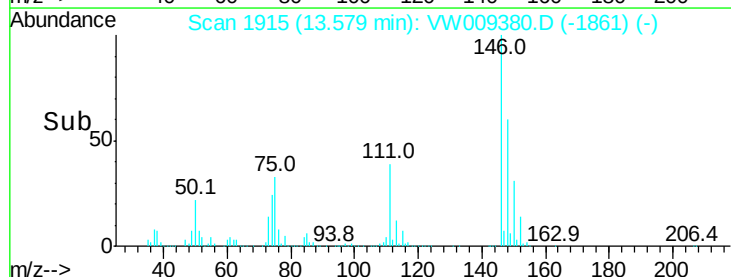
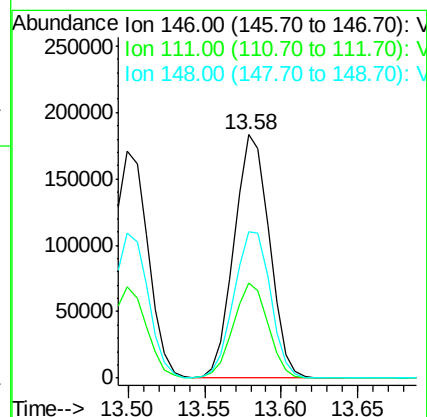
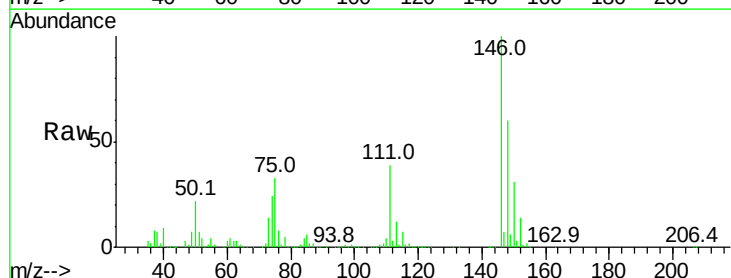
Tgt Ion:146 Resp: 294257

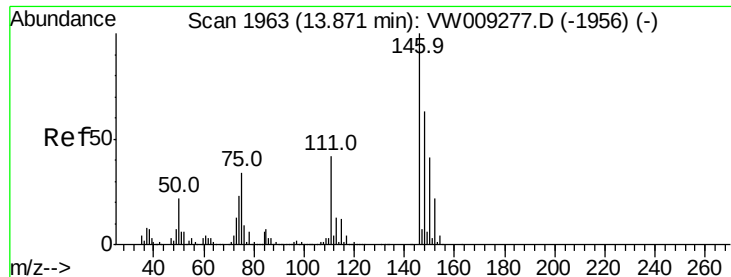
Ion Ratio Lower Upper

146 100

111 38.8 27.8 51.6

148 60.2 46.3 86.1

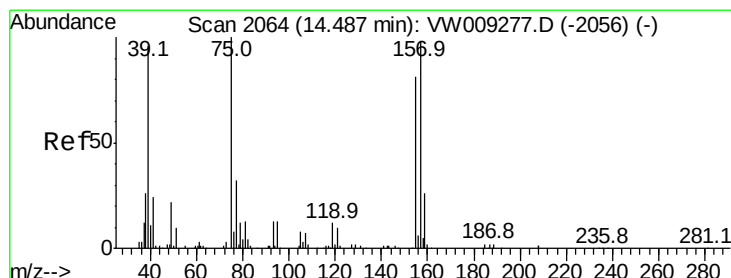
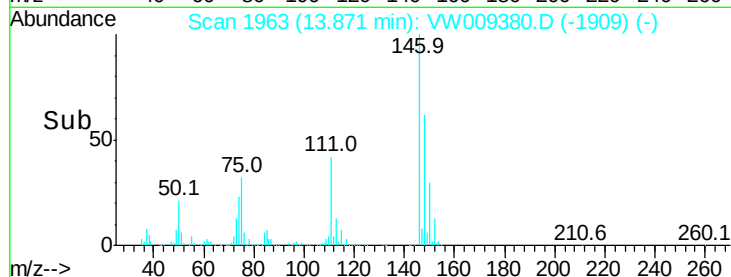
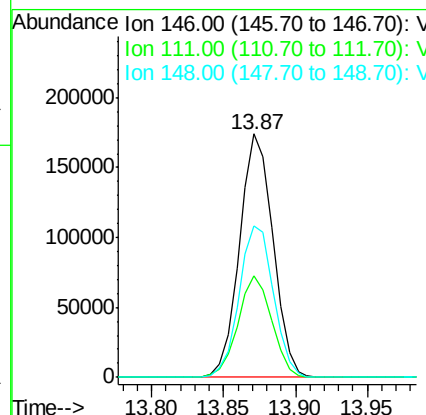
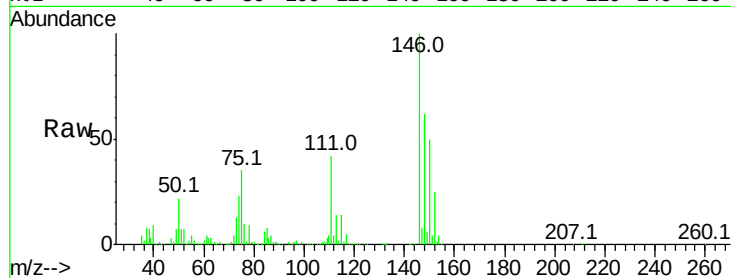




#65
 1,2-Dichlorobenzene
 Concen: 28.862 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

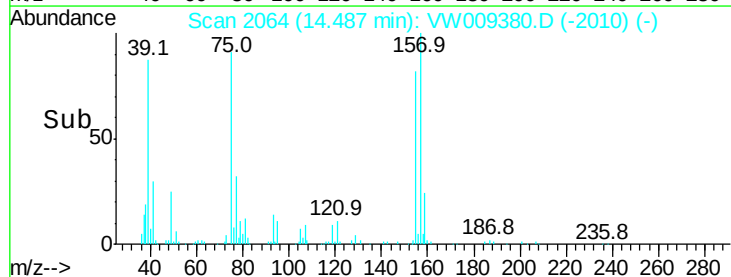
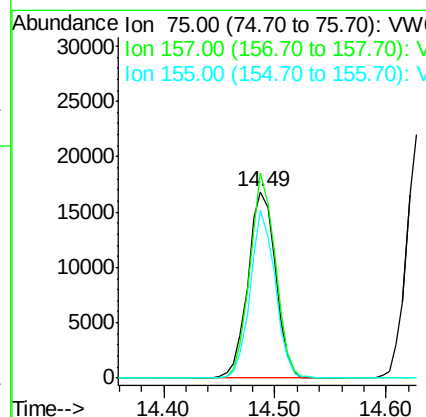
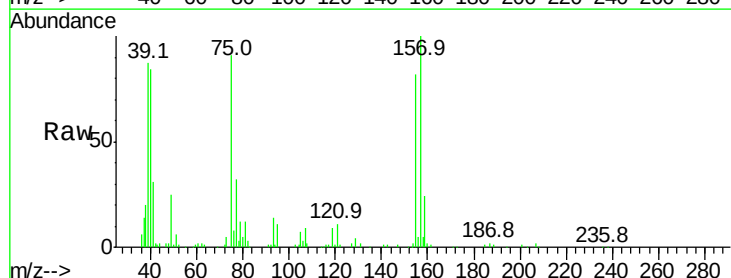
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

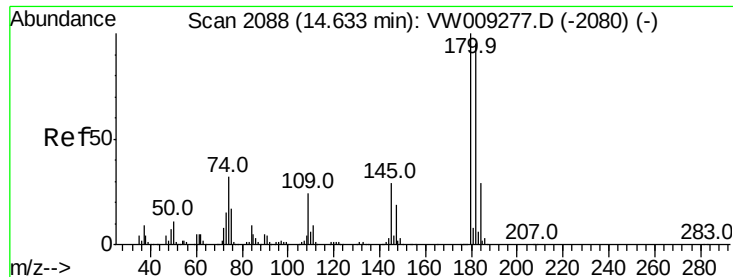
Tgt Ion: 146 Resp: 281585
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.5 50.3
 148 62.2 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.500 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

Tgt Ion: 75 Resp: 29163
 Ion Ratio Lower Upper
 75 100
 157 109.9 89.0 133.4
 155 89.8 64.2 96.2

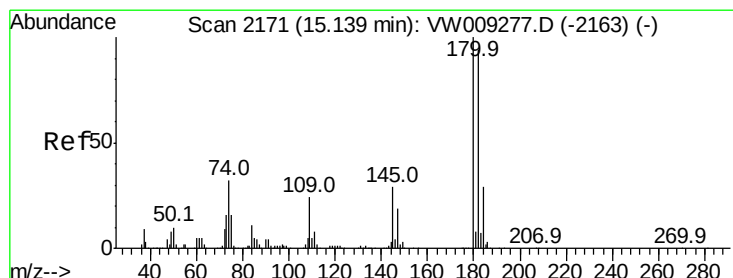
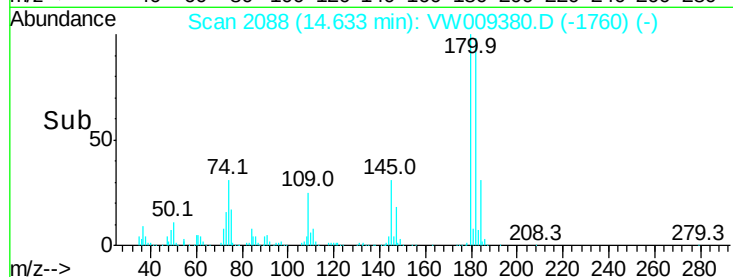
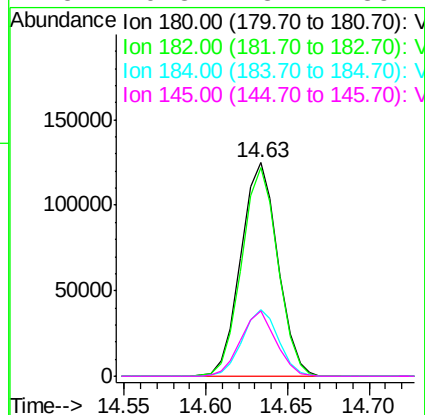
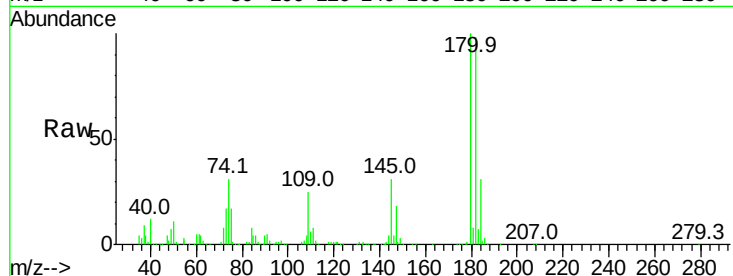




#67
 1,3,5-Trichlorobenzene
 Concen: 24.752 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

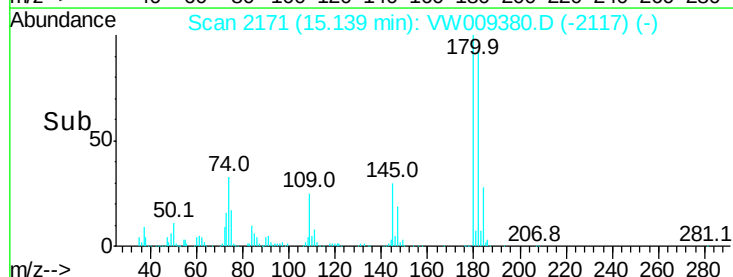
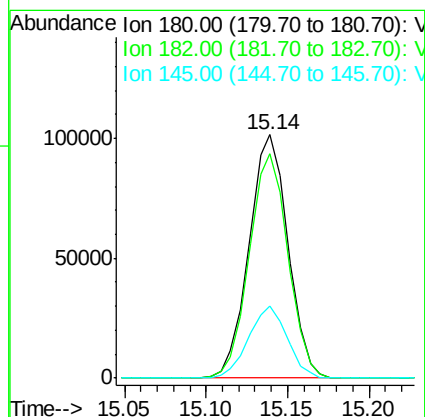
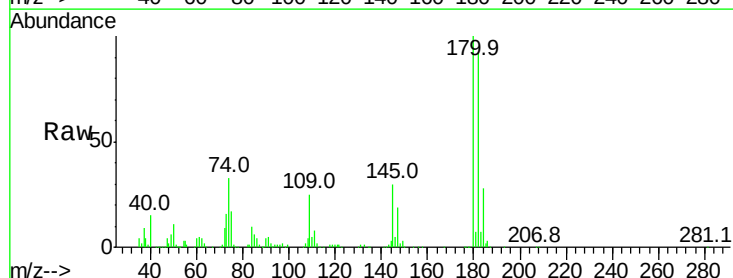
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

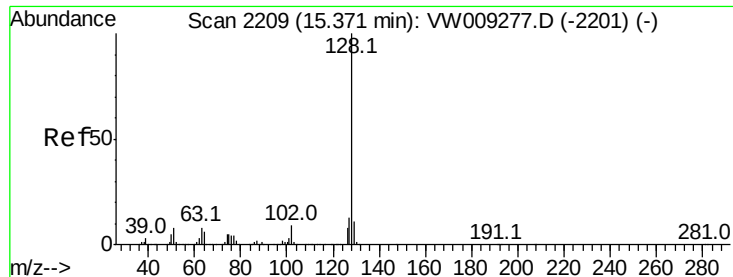
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	197510		
182	95.7	76.1	114.1	
184	30.4	23.8	35.6	
145	29.3	23.4	35.2	



#68
 1,2,4-trichlorobenzene
 Concen: 25.084 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009380.D
 Acq: 23 Mar 2019 08:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	168129		
182	92.1	75.5	113.3	
145	29.6	24.1	36.1	





#69

Naphthalene

Concen: 29.494 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

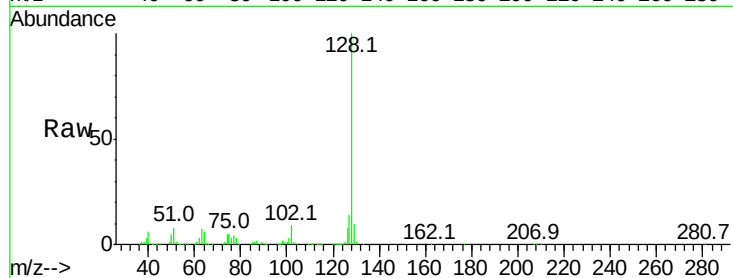
Tgt Ion:128 Resp: 409858

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

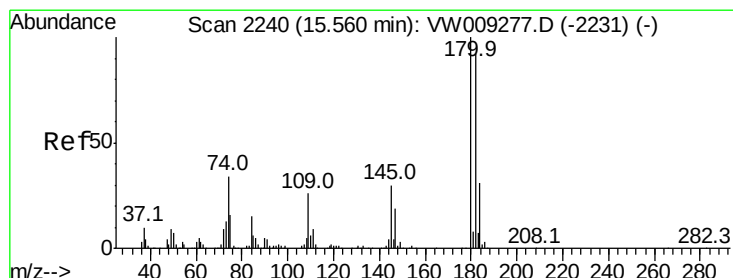
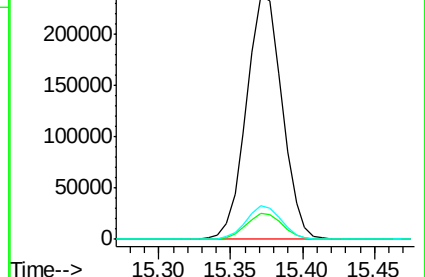
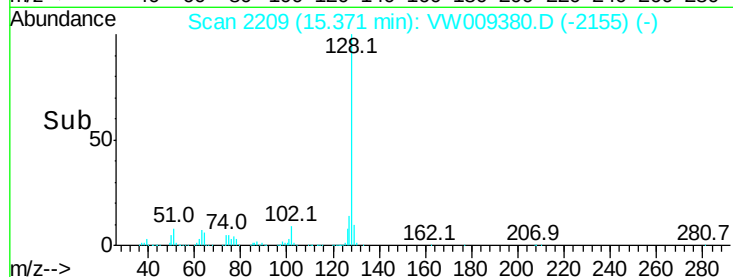
127 13.6 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.285 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009380.D

Acq: 23 Mar 2019 08:00

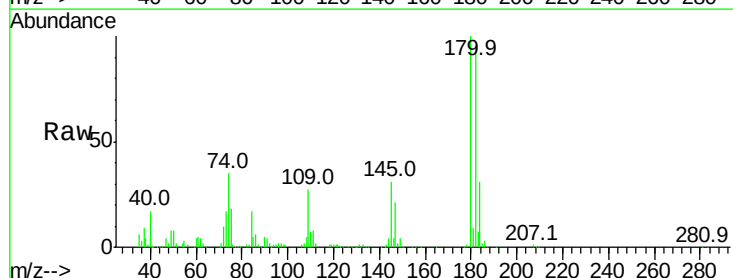
Tgt Ion:180 Resp: 171289

Ion Ratio Lower Upper

180 100

182 96.8 77.2 115.8

145 31.9 25.8 38.6



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

