

Data File : VW004401.D
Acq On : 02 Aug 2018 14:09
Operator : SY/AP
Sample : VSTD05092
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05092

Quant Time: Aug 02 14:29:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 02 14:26:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	980381	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	935848	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	496644	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	562464	73.63	ug/L	0.00
7) Chloroethane-d5	2.89	69	491794	65.18	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	1185640	53.76	ug/L	0.00
20) 2-Butanone-d5	7.09	46	617734	130.43	ug/L	0.00
24) Chloroform-d	7.65	84	1247183	51.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	704873	51.94	ug/L	0.00
29) Benzene-d6	8.28	84	2472883	51.16	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	784376	52.39	ug/L	0.00
37) Toluene-d8	10.33	98	2263628	49.02	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	339407	46.91	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	505184	131.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	908657	58.10	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	896918	47.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	510553	57.032	ug/L	100
3) Chloromethane	2.22	50	686935	80.861	ug/L	98
5) Vinyl chloride	2.37	62	874201	83.358	ug/L	97
6) Bromomethane	2.78	94	497503	66.239	ug/L	99
8) Chloroethane	2.92	64	537610	72.903	ug/L	99
9) Trichlorofluoromethane	3.25	101	429149	48.810	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	720701	55.605	ug/L	97
12) 1,1-Dichloroethene	4.03	96	683059	56.120	ug/L	94
13) Acetone	4.14	43	485772	117.231	ug/L	98
14) Carbon disulfide	4.37	76	2079734	57.769	ug/L	99
15) Methyl Acetate	4.67	43	519122	62.834	ug/L	100
16) Methylene chloride	4.91	84	743191	47.963	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	981526	51.343	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	708109	53.601	ug/L	96
19) 1,1-Dichloroethane	6.21	63	1323329	57.617	ug/L	100
21) 2-Butanone	7.18	43	729267	129.134	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	801183	55.024	ug/L	98
23) Bromochloromethane	7.51	128	359323	52.542	ug/L	98
25) Chloroform	7.68	83	1330016	55.041	ug/L	100
27) 1,2-Dichloroethane	8.40	62	896165	54.906	ug/L	100
30) Cyclohexane	7.96	56	1280306	57.930	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1023343	49.902	ug/L	99
32) Carbon tetrachloride	8.07	117	988237	49.480	ug/L	100
34) Benzene	8.32	78	3009714	55.477	ug/L	100
35) Trichloroethene	9.09	95	751761	51.766	ug/L	99
36) Methylcyclohexane	9.34	83	1431535	55.263	ug/L	99
40) 1,2-Dichloropropane	9.37	63	780675	57.366	ug/L	100
41) Bromodichloromethane	9.65	83	937809	53.263	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	1137567	53.291	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1391788	126.328	ug/L	100

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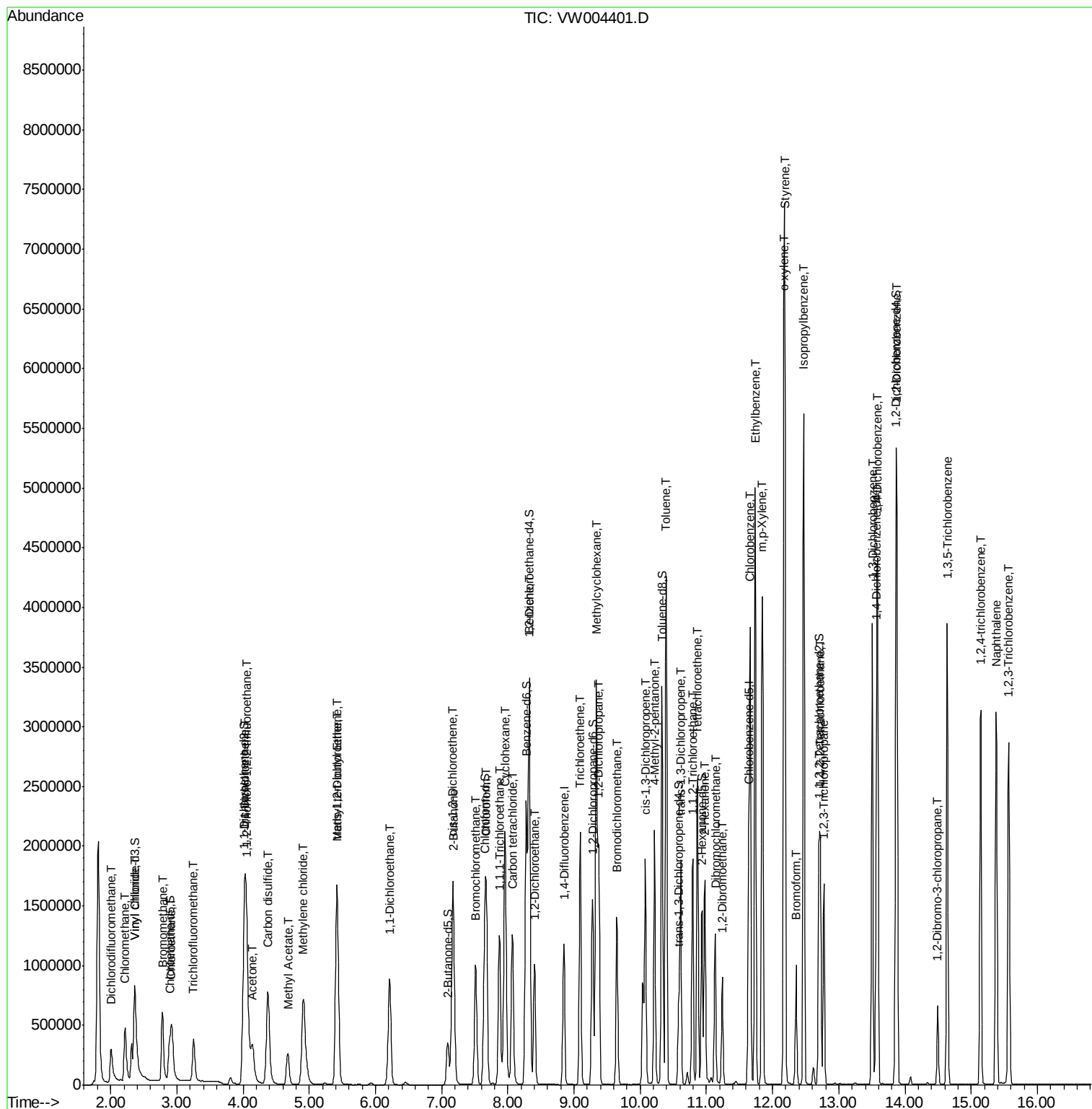
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	3110456	53.316	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	1024603	53.463	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	605556	53.960	ug/L	99
47) Tetrachloroethene	10.87	164	591436	47.430	ug/L	98
49) 2-Hexanone	10.98	43	1068785	130.525	ug/L	99
50) Dibromochloromethane	11.13	129	688610	50.368	ug/L	99
51) 1,2-Dibromoethane	11.24	107	602047	54.128	ug/L	98
52) Chlorobenzene	11.66	112	2000592	51.518	ug/L	99
53) Ethylbenzene	11.74	91	3550490	53.796	ug/L	99
54) m,p-Xylene	11.85	106	1339229	53.643	ug/L	99
55) o-xylene	12.17	106	1286842	54.574	ug/L	98
56) Styrene	12.19	104	2275316	55.744	ug/L	99
57) Isopropylbenzene	12.47	105	3546635	53.647	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	924817	60.024	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	701310	59.119	ug/L	99
62) Bromoform	12.35	173	463742	50.055	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	1571974	49.071	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	1652138	50.128	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	1559506	51.495	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	167541	56.146	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	1241640	48.889	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	1042032	48.312	ug/L	99
69) Naphthalene	15.38	128	2679836	54.977	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	1002934	50.252	ug/L	100

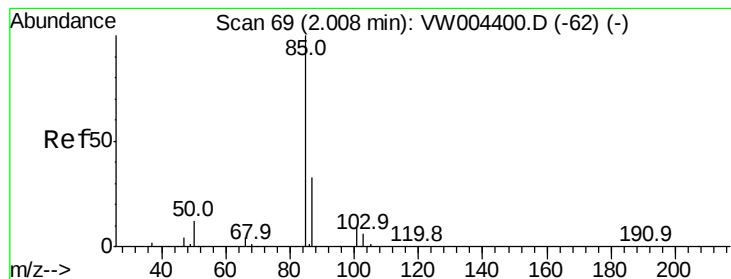
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 57.032 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

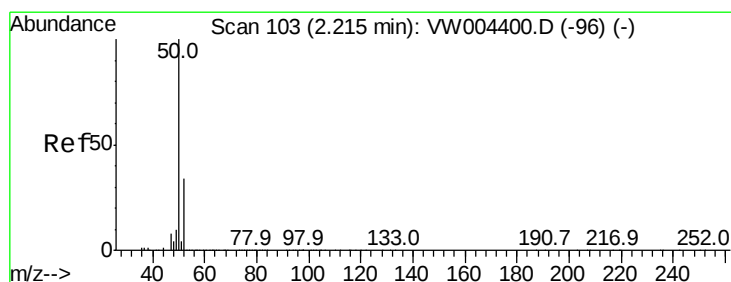
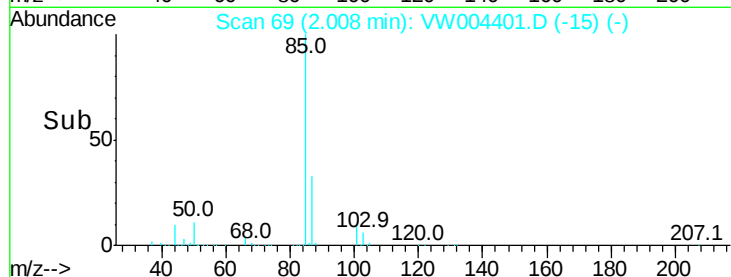
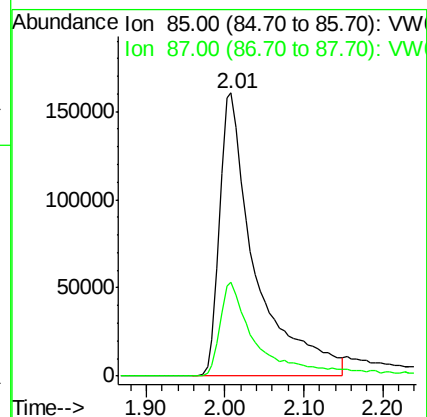
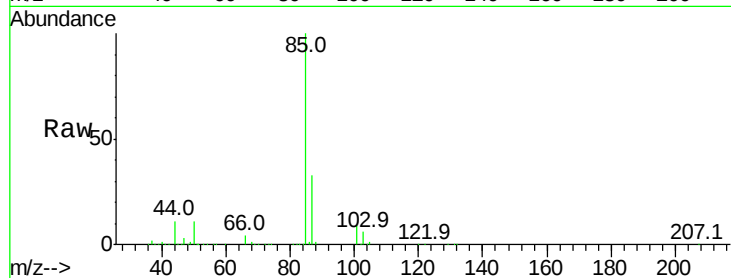
VSTD05092

Tgt Ion: 85 Resp: 510553

Ion Ratio Lower Upper

85 100

87 29.1 20.2 37.4



#3

Chloromethane

Concen: 80.861 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004401.D

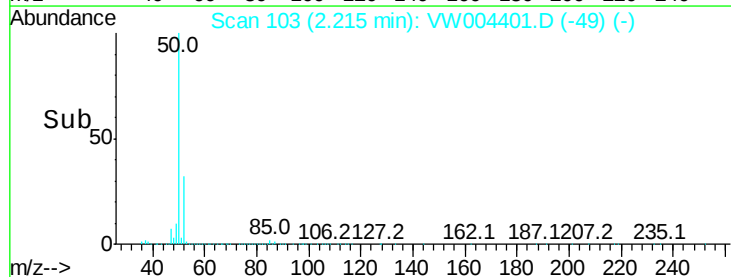
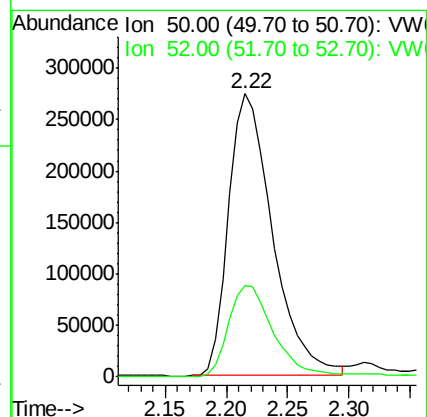
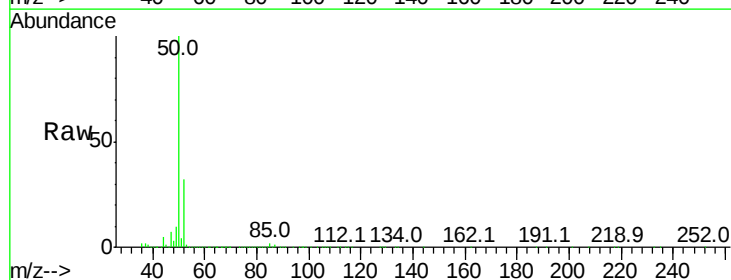
Acq: 02 Aug 2018 14:09

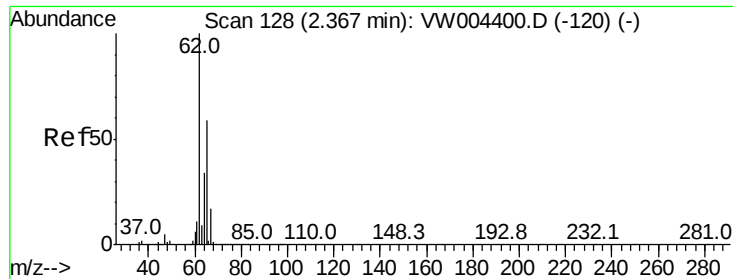
Tgt Ion: 50 Resp: 686935

Ion Ratio Lower Upper

50 100

52 32.1 23.4 43.6





#5

Vinyl chloride

Concen: 83.358 ug/L

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

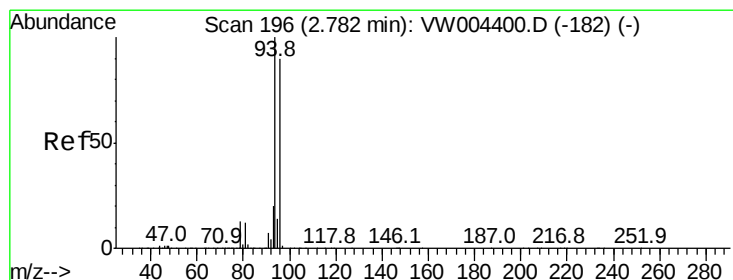
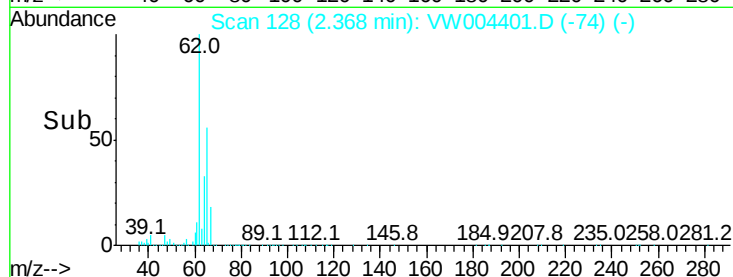
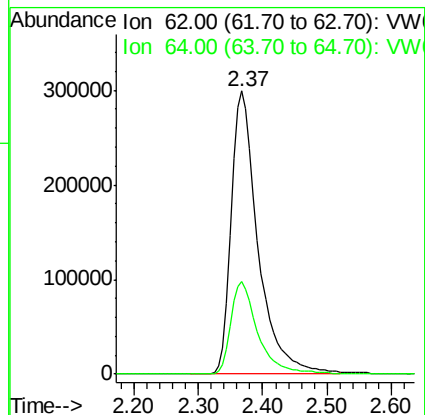
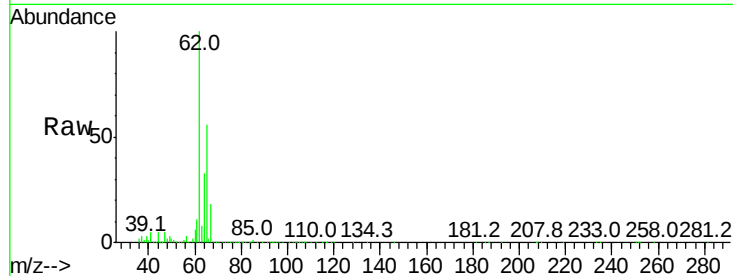
VSTD05092

Tgt Ion: 62 Resp: 874201

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



#6

Bromomethane

Concen: 66.239 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004401.D

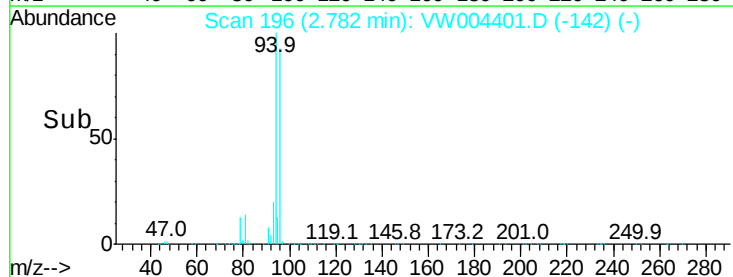
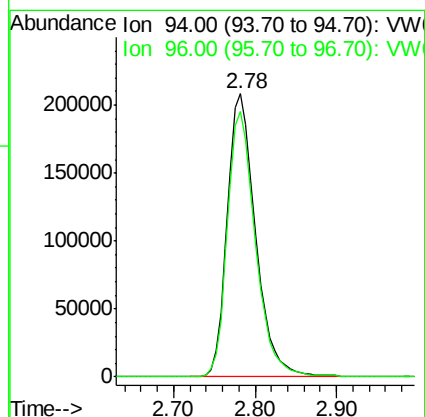
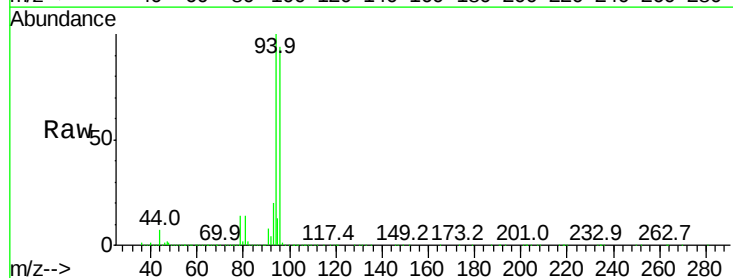
Acq: 02 Aug 2018 14:09

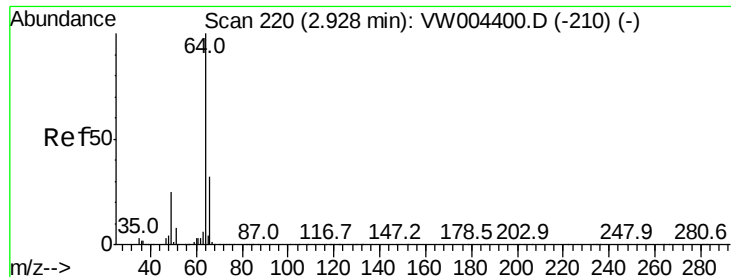
Tgt Ion: 94 Resp: 497503

Ion Ratio Lower Upper

94 100

96 93.1 9.2 175.2





#8

Chloroethane

Concen: 72.903 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

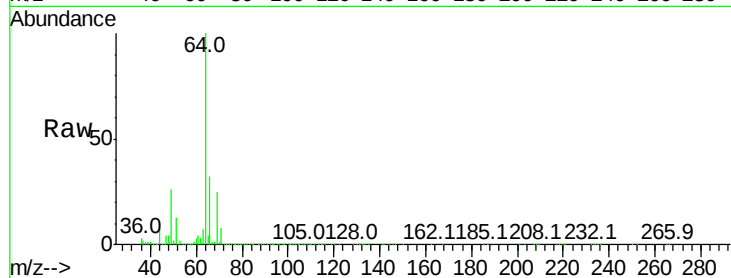
VSTD05092

Tgt Ion: 64 Resp: 537610

Ion Ratio Lower Upper

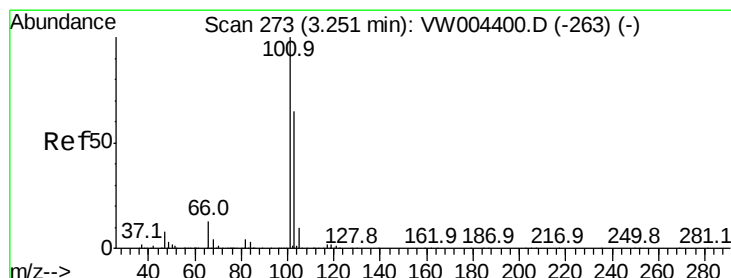
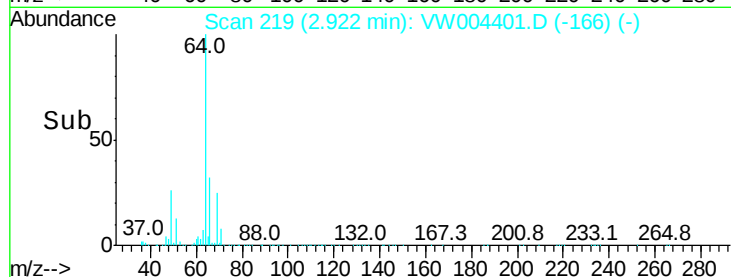
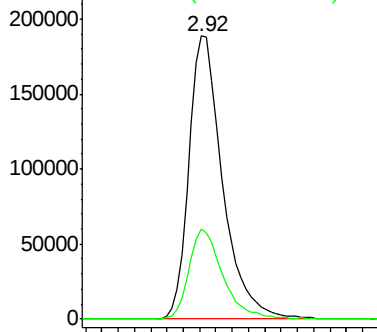
64 100

66 31.9 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 48.810 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004401.D

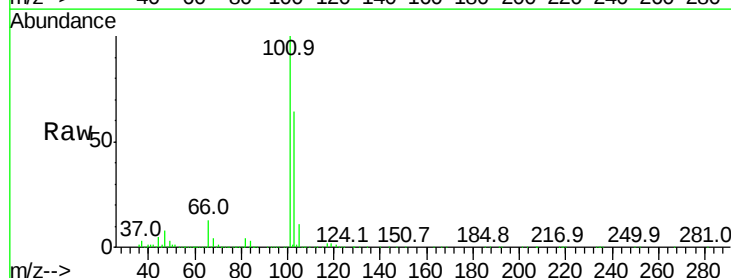
Acq: 02 Aug 2018 14:09

Tgt Ion: 101 Resp: 429149

Ion Ratio Lower Upper

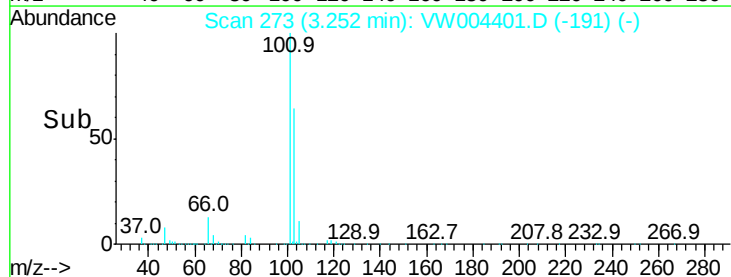
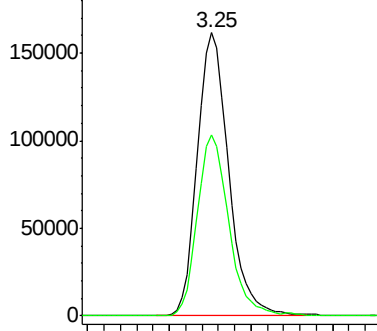
101 100

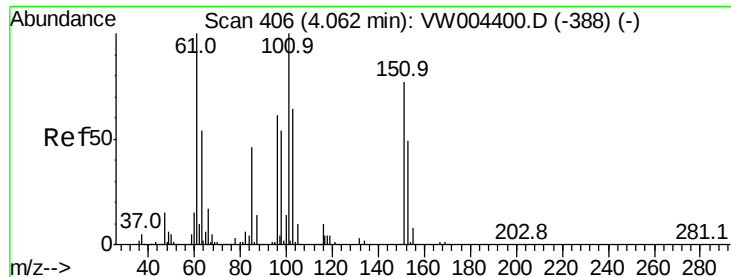
103 63.6 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 55.605 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

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ClientSampleId :

VSTD05092

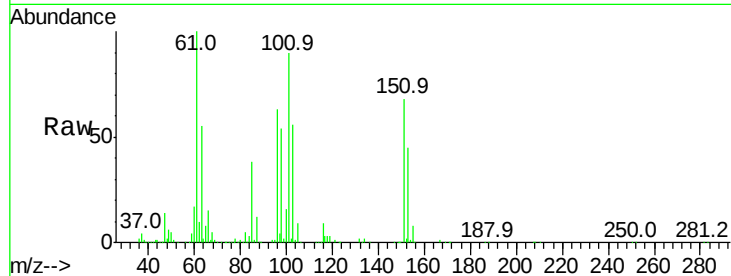
Tgt Ion: 101 Resp: 720701

Ion Ratio Lower Upper

101 100

85 42.2 35.6 53.4

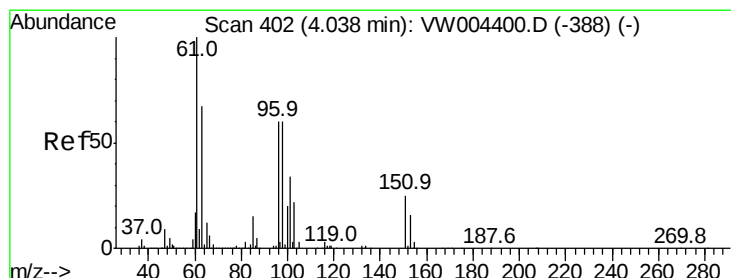
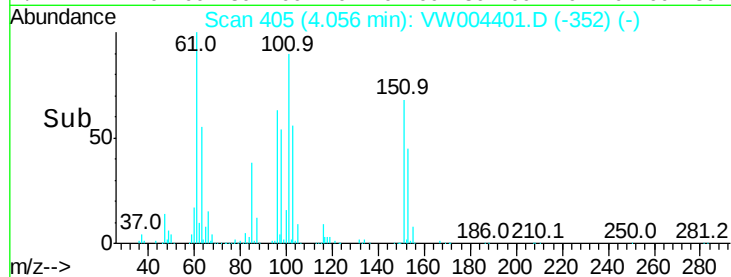
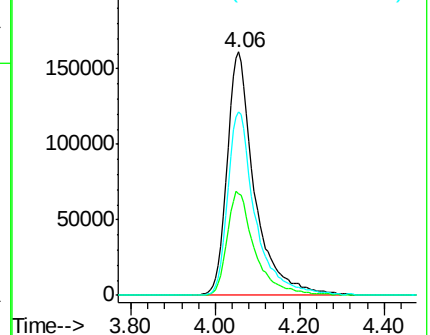
151 75.9 62.6 94.0



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: 56.120 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

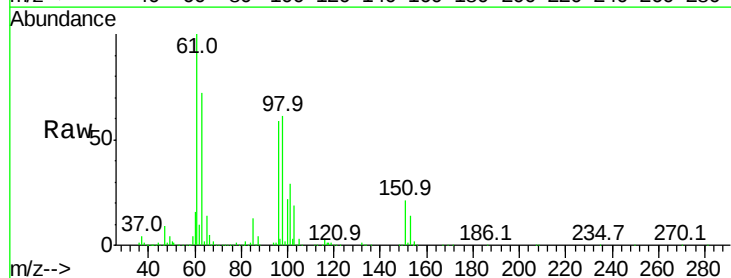
Tgt Ion: 96 Resp: 683059

Ion Ratio Lower Upper

96 100

61 170.2 115.9 215.3

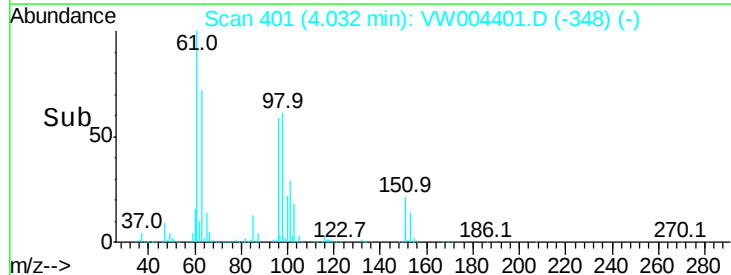
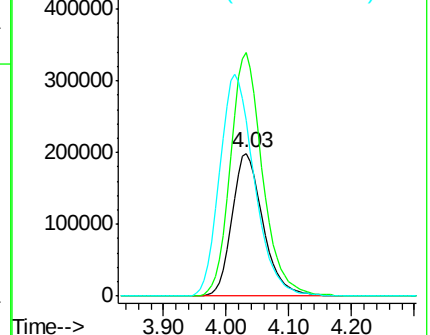
63 122.7 78.0 144.9

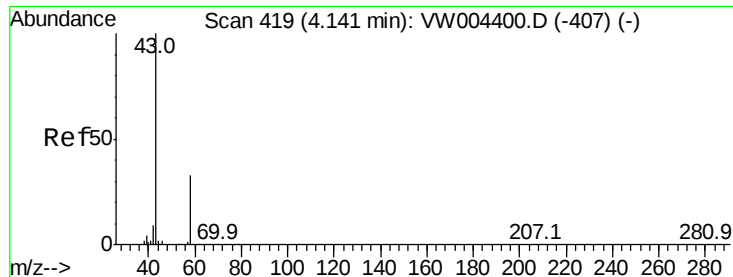


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 117.231 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.00 min

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ClientSampleId :

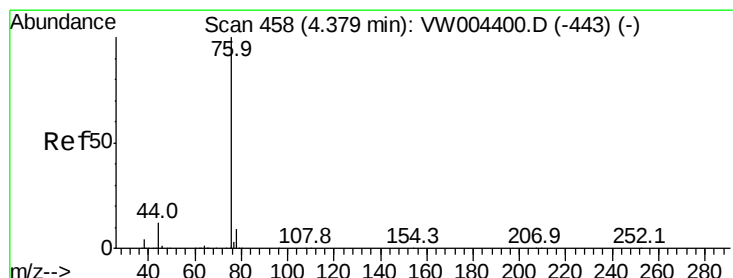
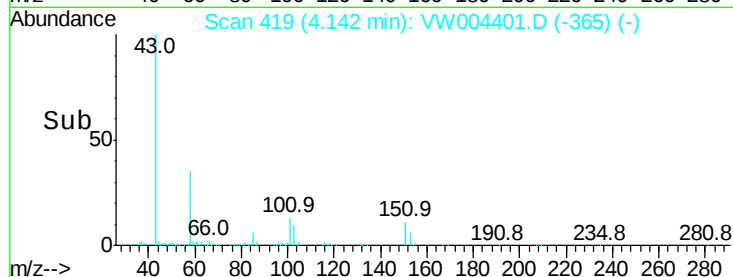
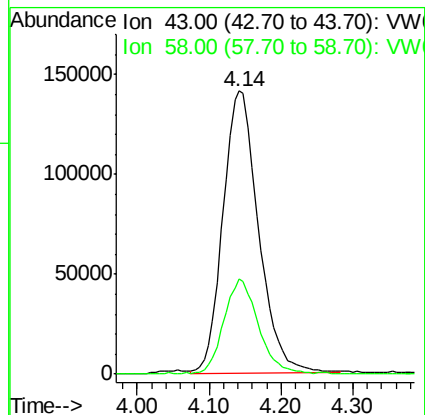
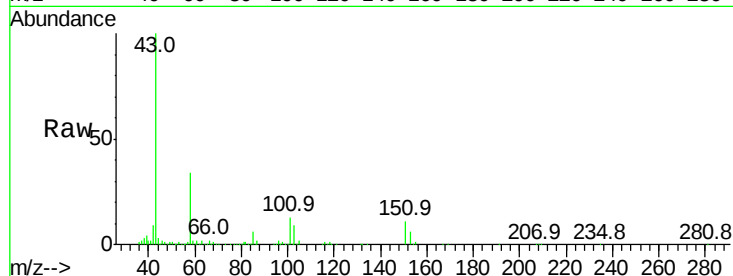
VSTD05092

Tgt Ion: 43 Resp: 485772

Ion Ratio Lower Upper

43 100

58 32.1 0.0 66.4



#14

Carbon disulfide

Concen: 57.769 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004401.D

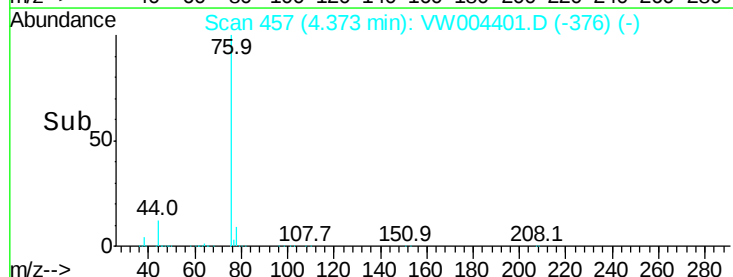
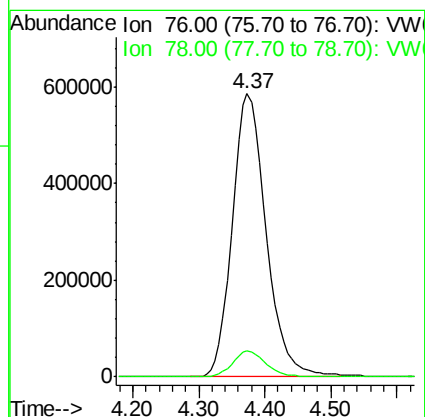
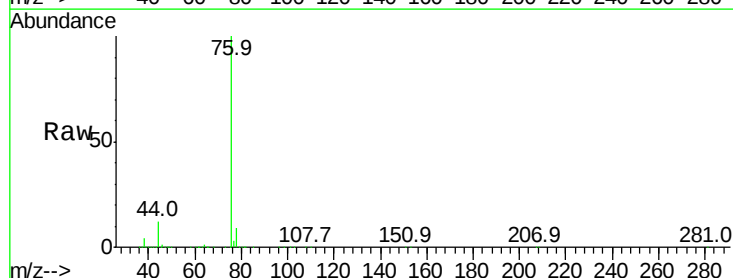
Acq: 02 Aug 2018 14:09

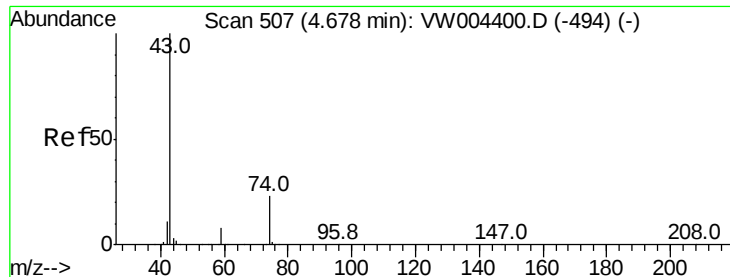
Tgt Ion: 76 Resp: 2079734

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

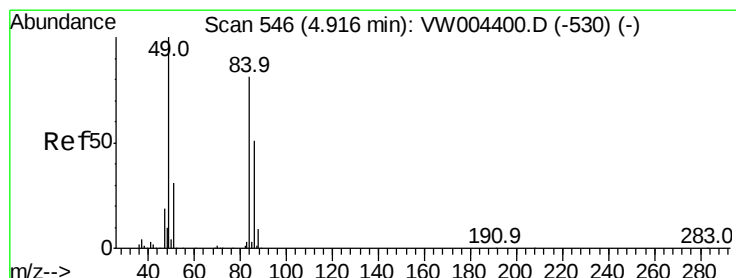
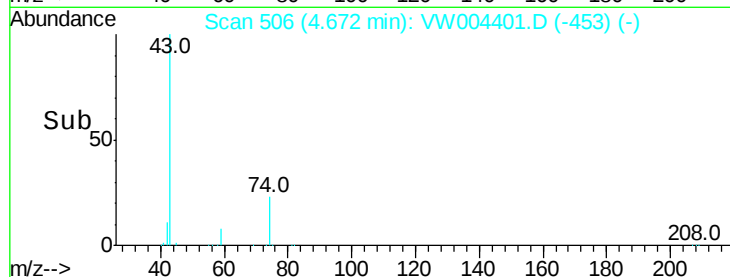
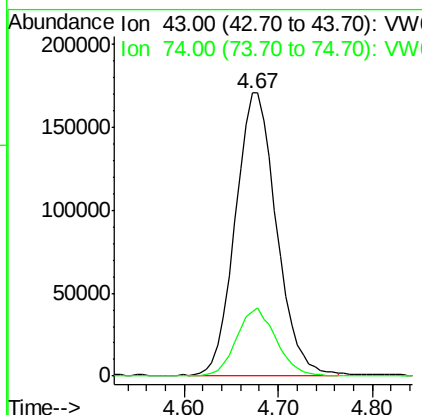
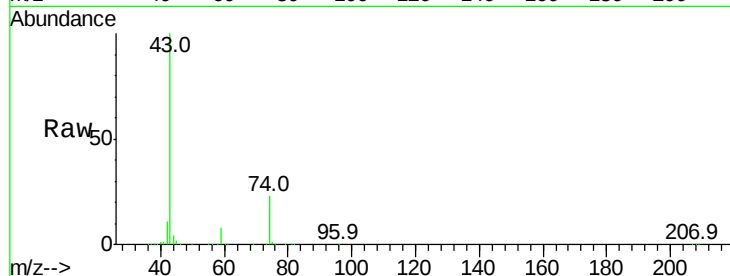




#15
Methyl Acetate
Concen: 62.834 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

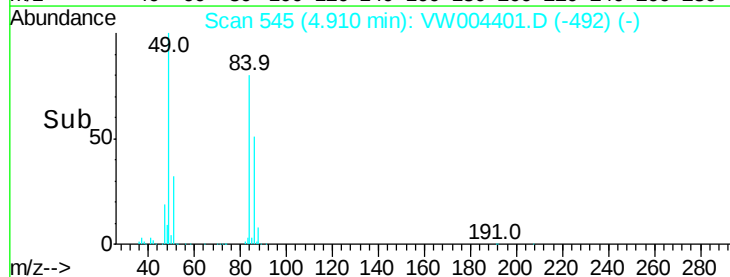
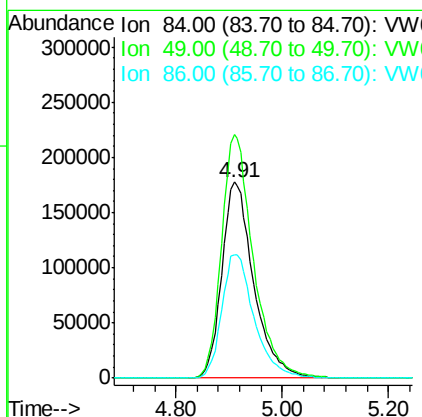
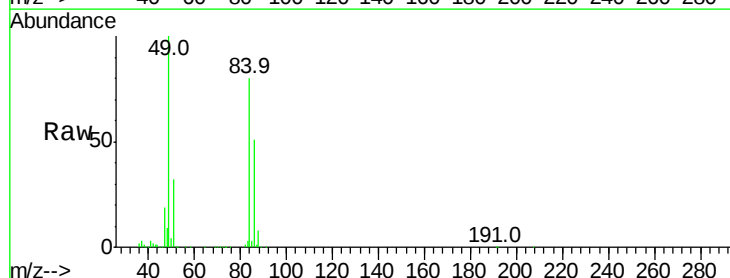
Instrument :
MSVOA_W
ClientSampleId :
VSTD05092

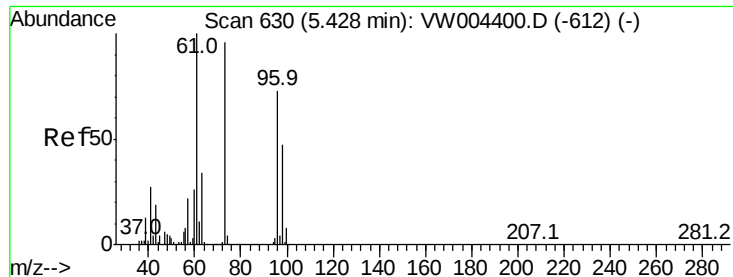
Tgt Ion: 43 Resp: 519122
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



#16
Methylene chloride
Concen: 47.963 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Tgt Ion: 84 Resp: 743191
Ion Ratio Lower Upper
84 100
49 124.3 86.0 159.6
86 63.1 43.5 80.9

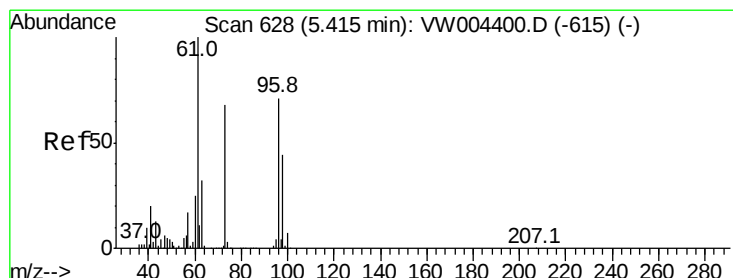
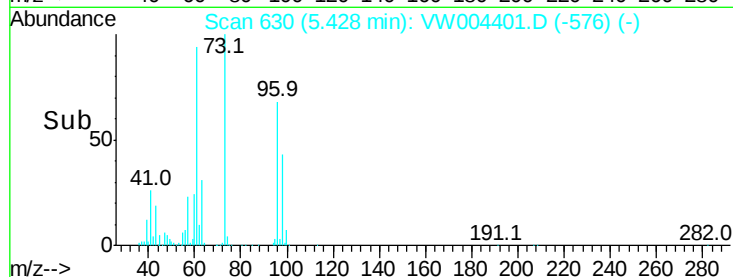
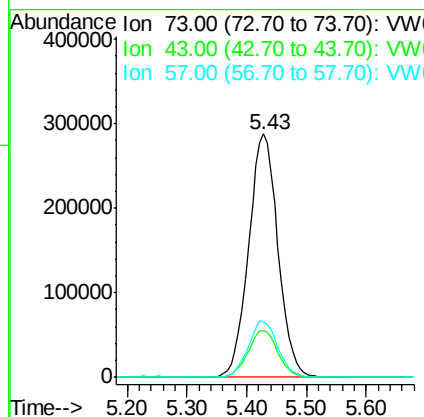
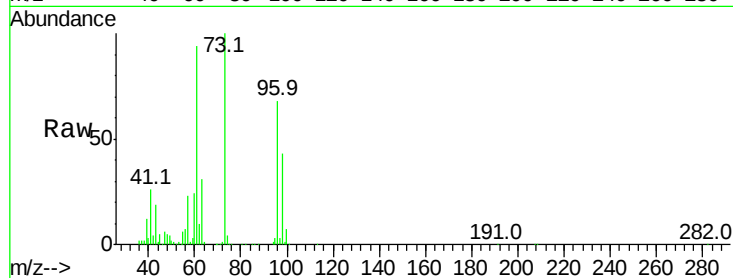




#17
Methyl tert-butyl Ether
Concen: 51.343 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

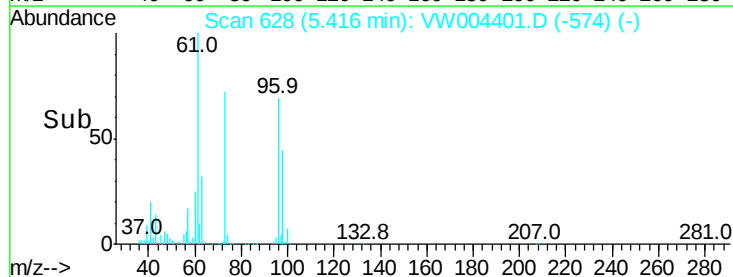
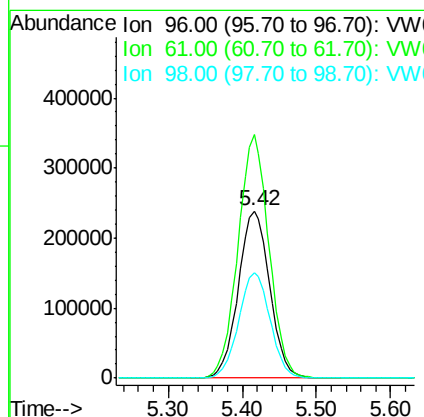
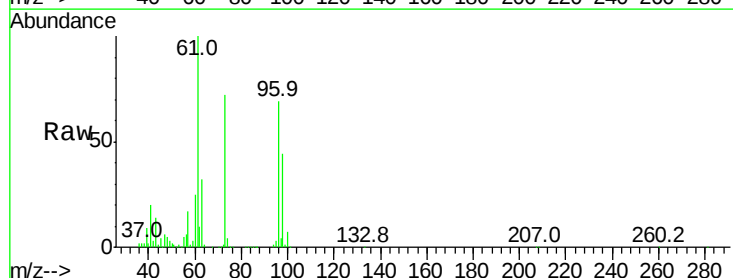
Instrument :
MSVOA_W
ClientSampleId :
VSTD05092

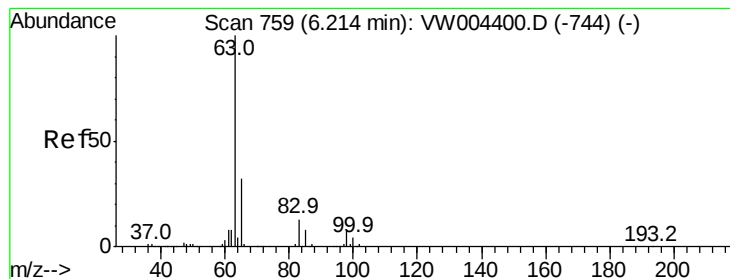
Tgt Ion: 73 Resp: 981526
Ion Ratio Lower Upper
73 100
43 19.5 16.2 24.2
57 23.4 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 53.601 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Tgt Ion: 96 Resp: 708109
Ion Ratio Lower Upper
96 100
61 145.8 97.9 181.7
98 63.4 43.0 79.8





#19

1,1-Dichloroethane

Concen: 57.617 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD05092

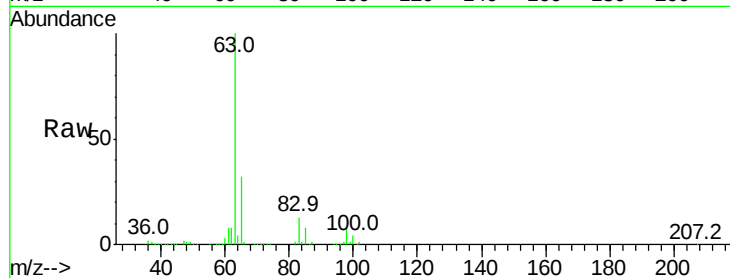
Tgt Ion: 63 Resp: 1323329

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

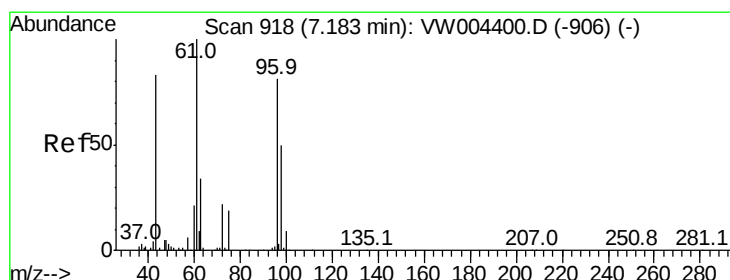
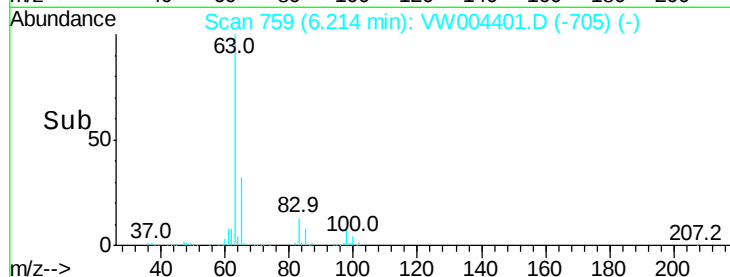
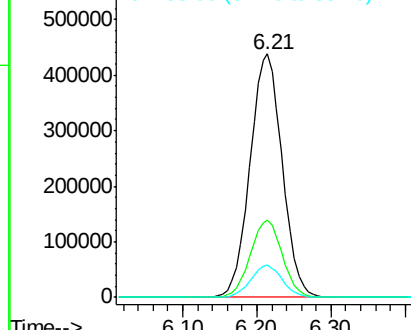
83 13.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 129.134 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004401.D

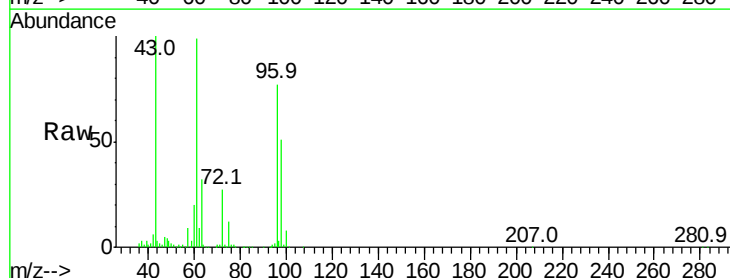
Acq: 02 Aug 2018 14:09

Tgt Ion: 43 Resp: 729267

Ion Ratio Lower Upper

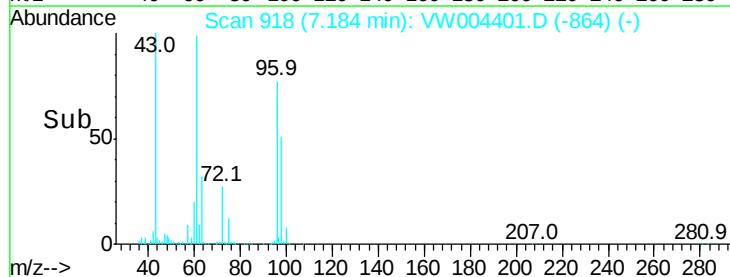
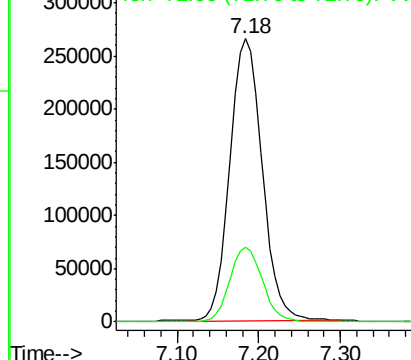
43 100

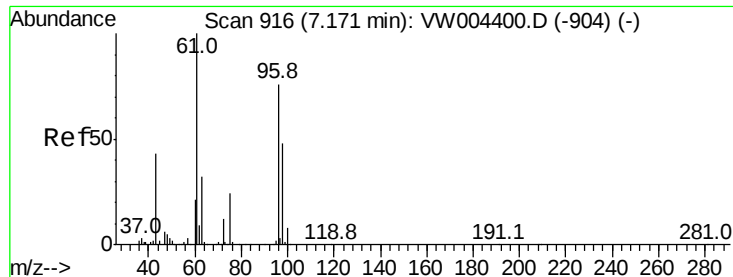
72 26.7 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



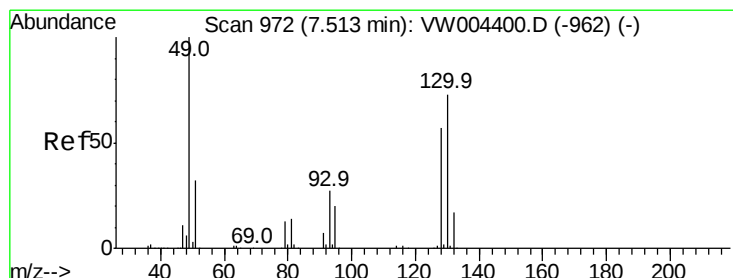
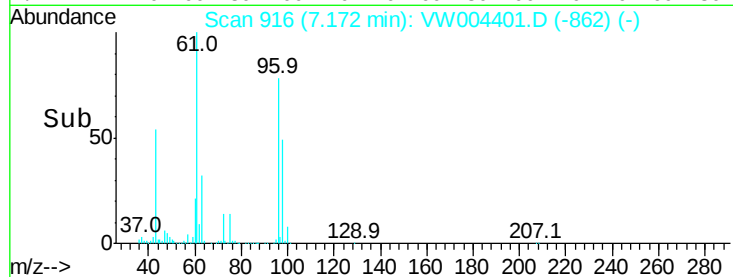
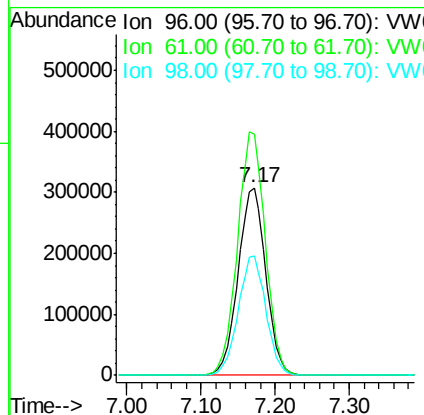
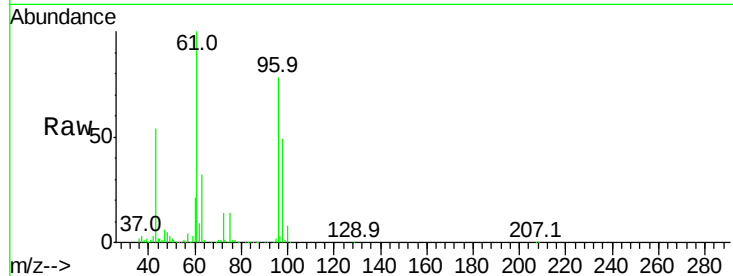


#22

cis-1,2-Dichloroethene
Concen: 55.024 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Instrument :
MSVOA_W
ClientSampled :
VSTD05092

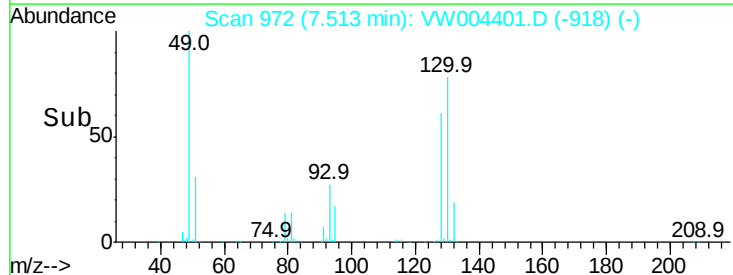
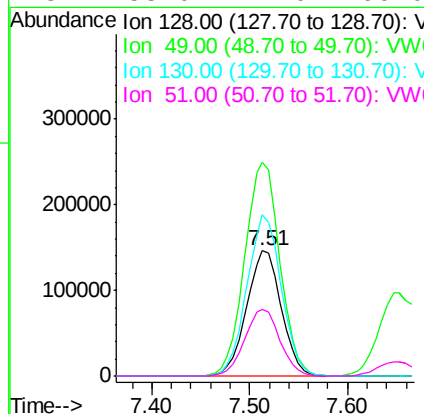
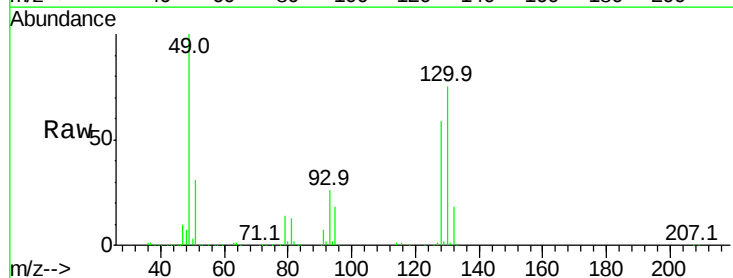
Tgt Ion: 96 Resp: 801183
Ion Ratio Lower Upper
96 100
61 128.6 92.5 171.7
98 63.5 44.1 81.9

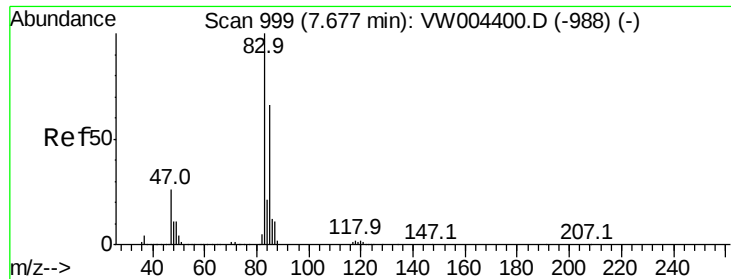


#23

Bromochloromethane
Concen: 52.542 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Tgt Ion: 128 Resp: 359323
Ion Ratio Lower Upper
128 100
49 170.9 122.0 226.6
130 128.7 88.8 164.8
51 53.0 44.0 66.0





#25

Chloroform

Concen: 55.041 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

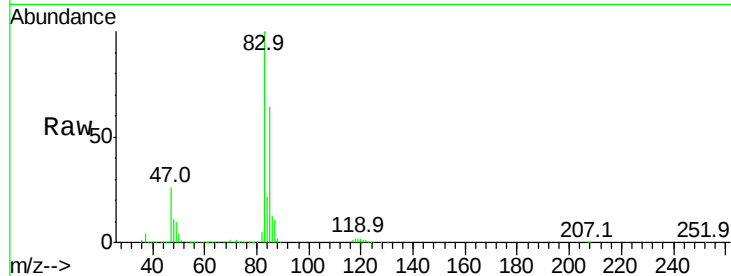
VSTD05092

Tgt Ion: 83 Resp: 1330016

Ion Ratio Lower Upper

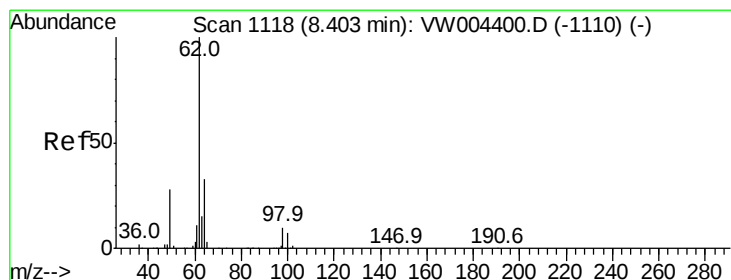
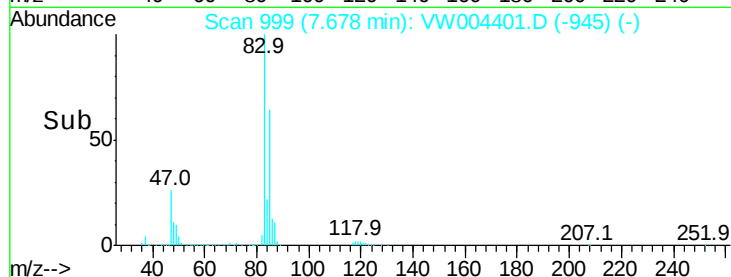
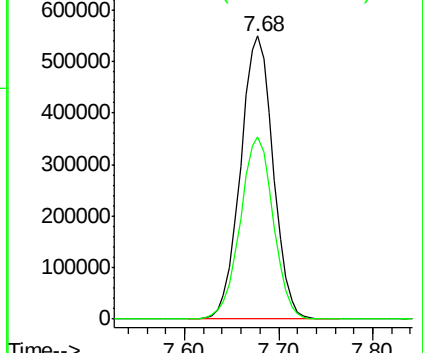
83 100

85 65.5 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 54.906 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004401.D

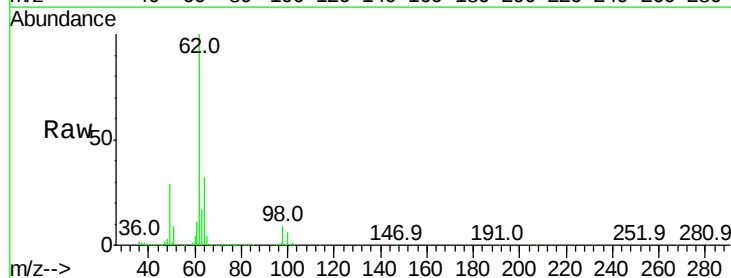
Acq: 02 Aug 2018 14:09

Tgt Ion: 62 Resp: 896165

Ion Ratio Lower Upper

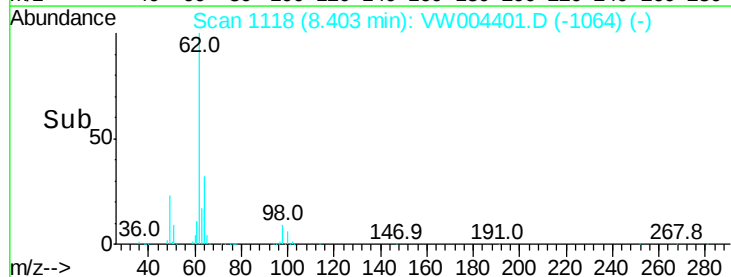
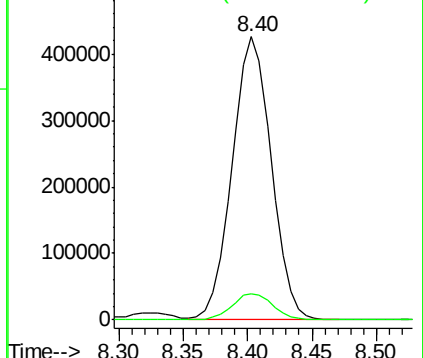
62 100

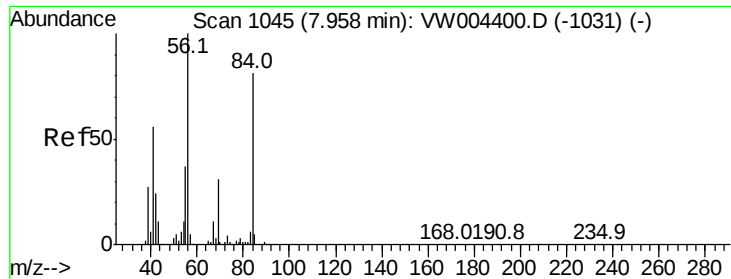
98 9.4 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

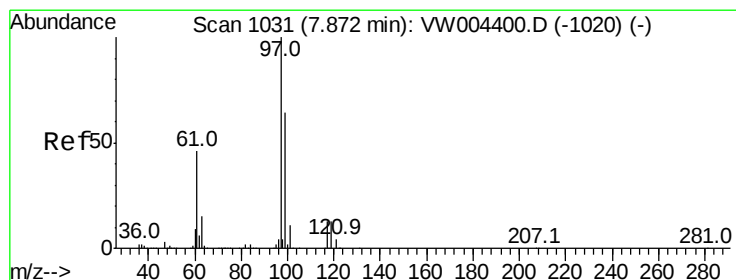
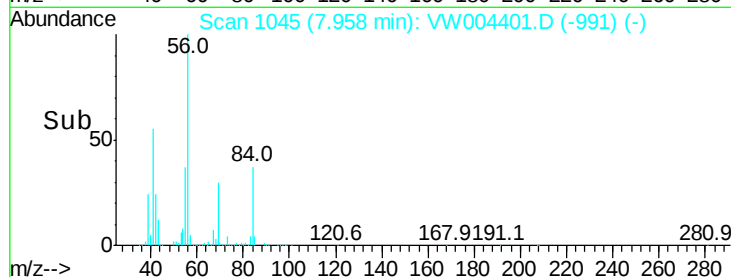
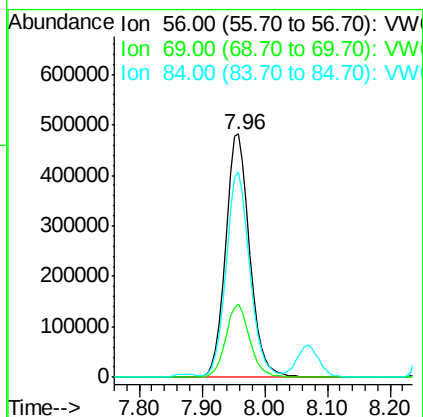
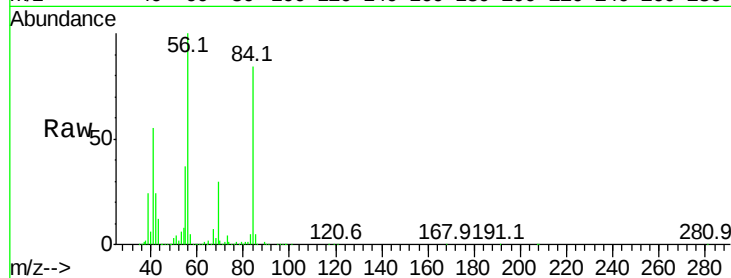




#30
Cyclohexane
Concen: 57.930 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

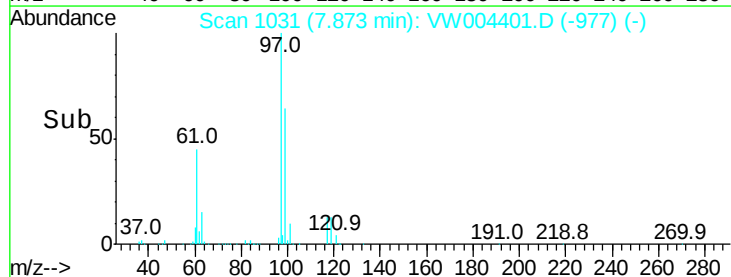
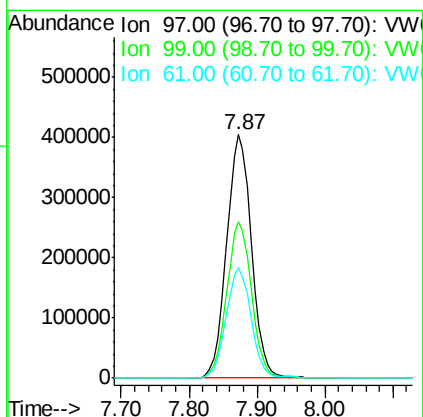
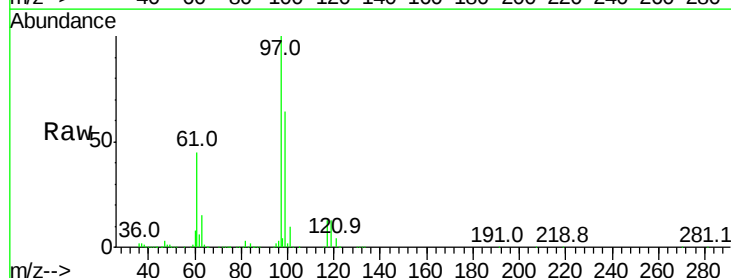
Instrument :
MSVOA_W
ClientSampleId :
VSTD05092

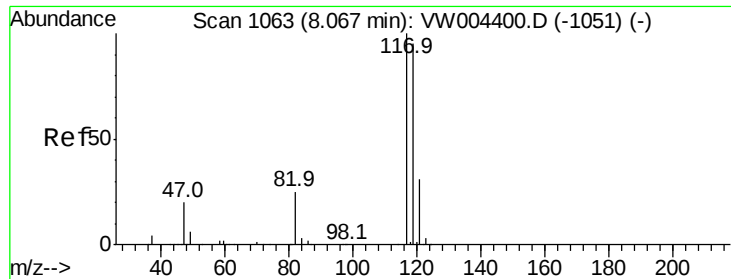
Tgt Ion: 56 Resp: 1280306
Ion Ratio Lower Upper
56 100
69 29.8 24.0 36.0
84 83.3 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 49.902 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Tgt Ion: 97 Resp: 1023343
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 45.4 37.3 55.9





#32

Carbon tetrachloride

Concen: 49.480 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

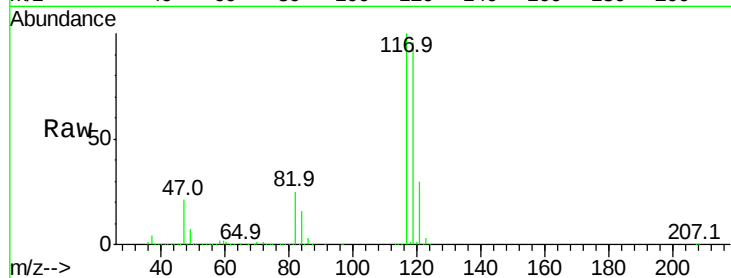
VSTD05092

Tgt Ion:117 Resp: 988237

Ion Ratio Lower Upper

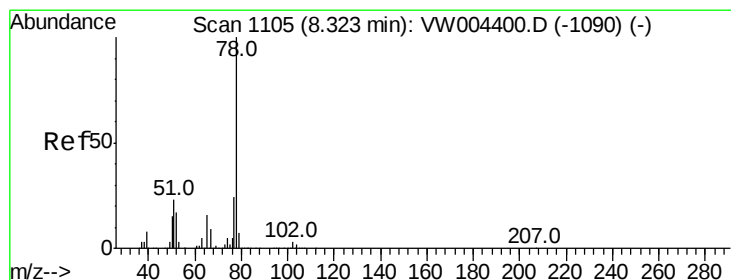
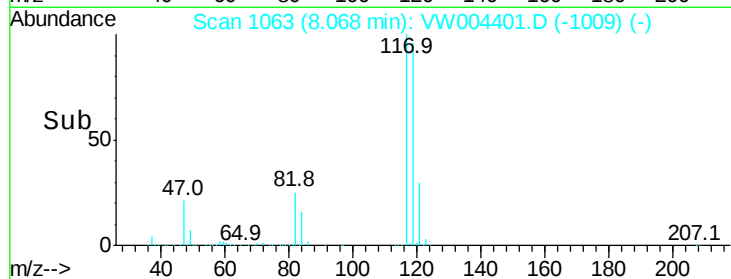
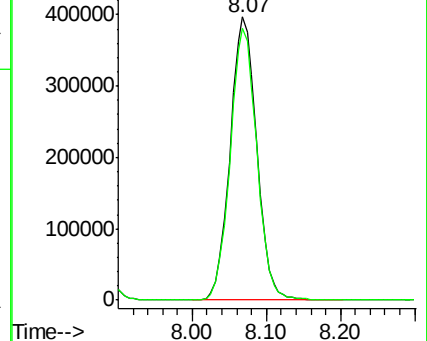
117 100

119 96.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 55.477 ug/L

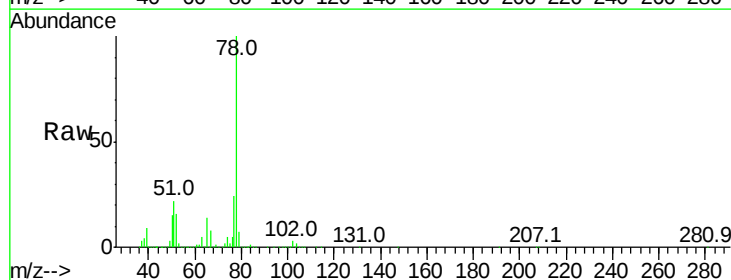
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

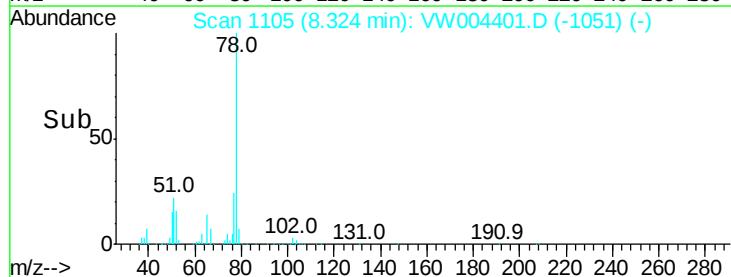
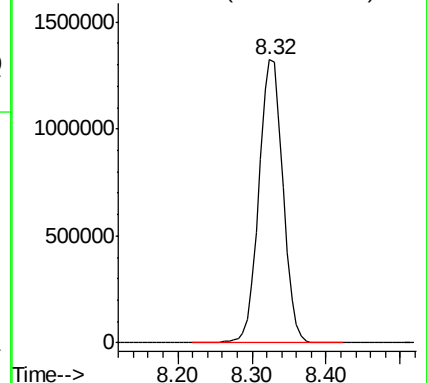
Lab File: VW004401.D

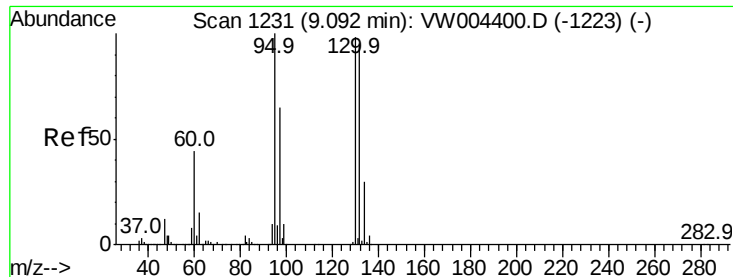
Acq: 02 Aug 2018 14:09

Tgt Ion: 78 Resp: 3009714



Abundance Ion 78.00 (77.70 to 78.70): VW

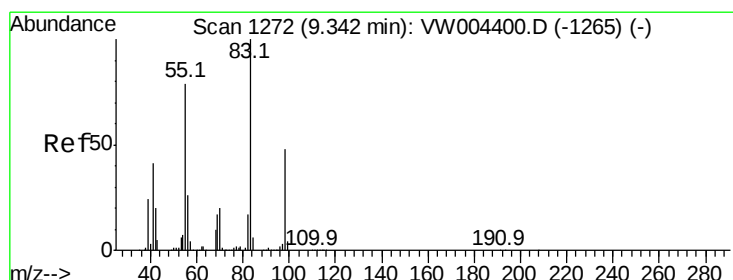
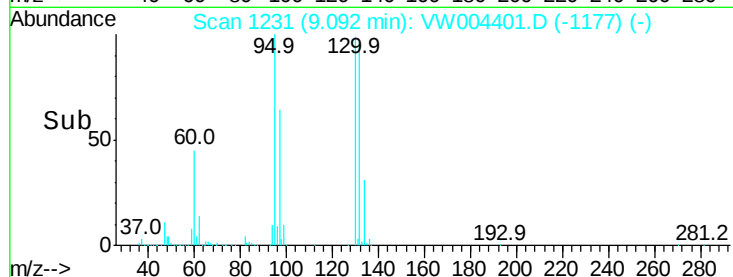
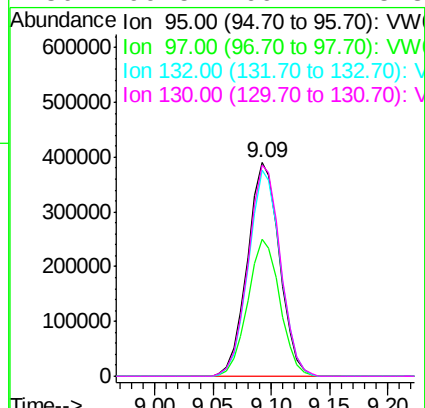
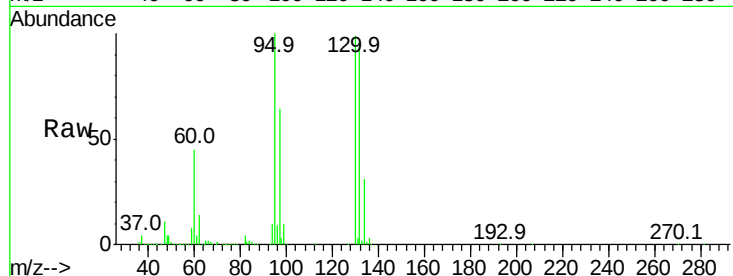




#35
 Trichloroethene
 Concen: 51.766 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

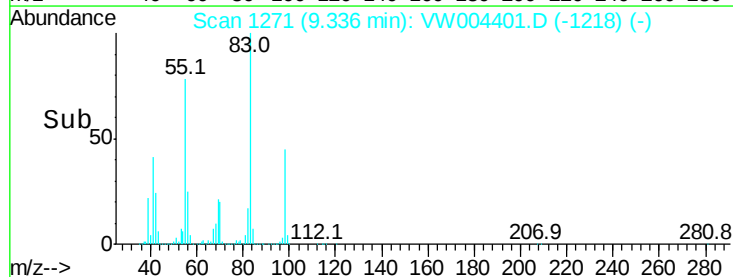
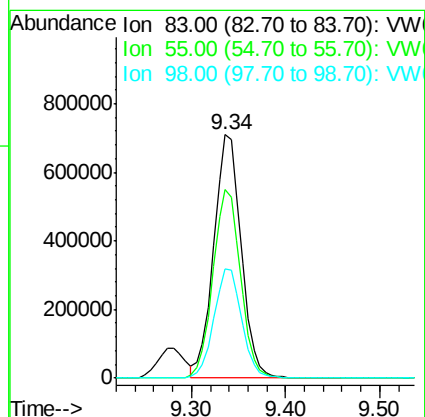
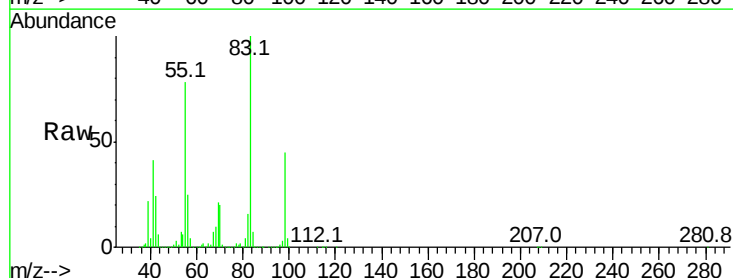
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05092

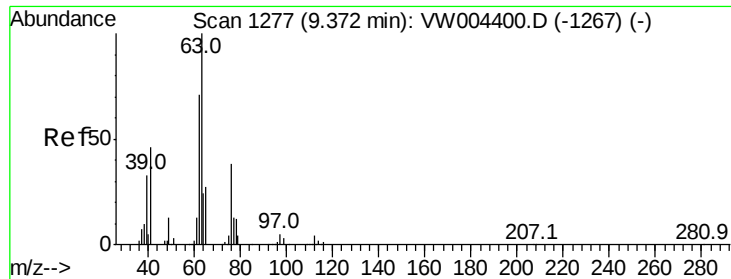
Tgt Ion:	95	Resp:	751761
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.9	83.5
132	96.0	67.6	125.6
130	99.5	69.1	128.3



#36
 Methylcyclohexane
 Concen: 55.263 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

Tgt Ion:	83	Resp:	1431535
Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	45.3	36.6	54.8





#40

1,2-Dichloropropane

Concen: 57.366 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

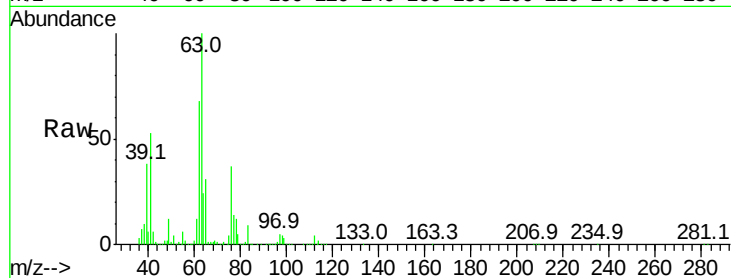
VSTD05092

Tgt Ion: 63 Resp: 780675

Ion Ratio Lower Upper

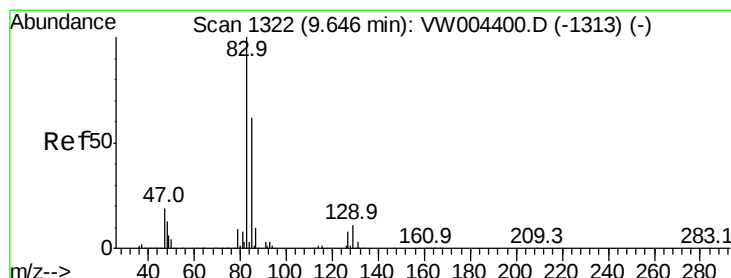
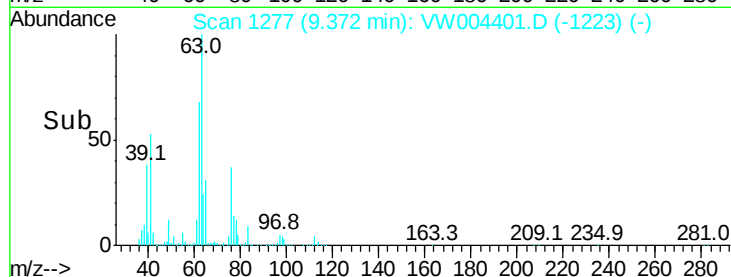
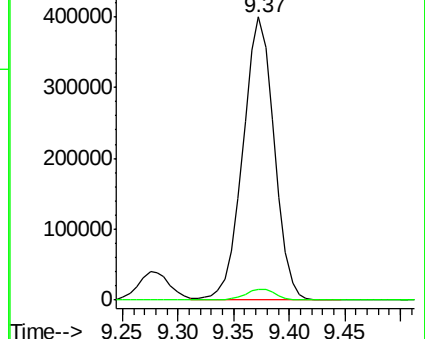
63 100

112 3.9 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 53.263 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

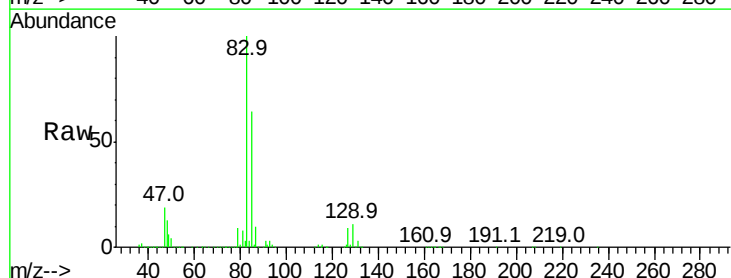
Tgt Ion: 83 Resp: 937809

Ion Ratio Lower Upper

83 100

85 63.5 43.7 81.1

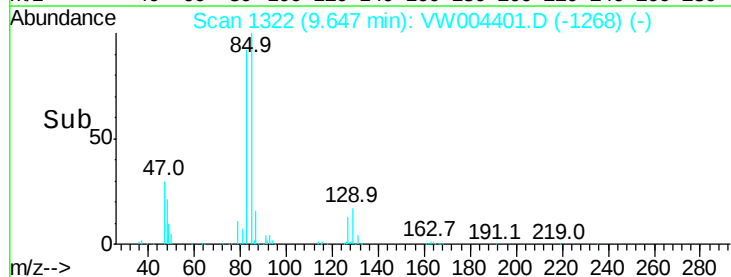
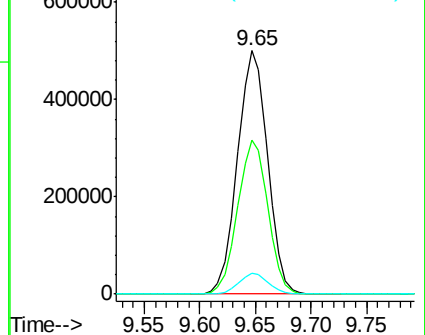
127 8.5 6.6 10.0

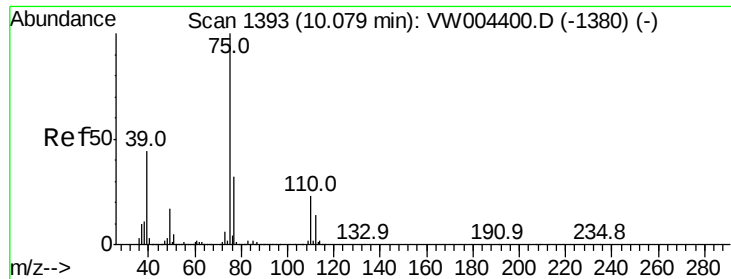


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 53.291 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

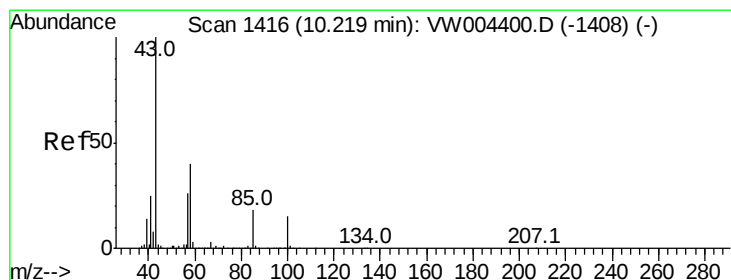
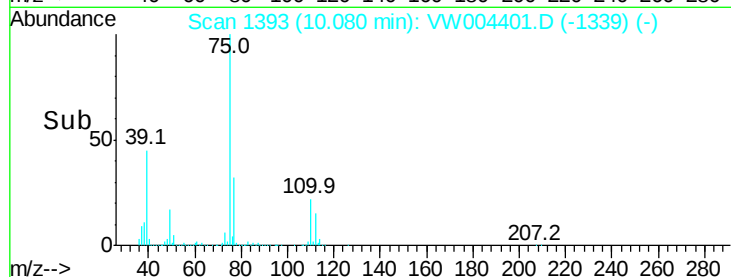
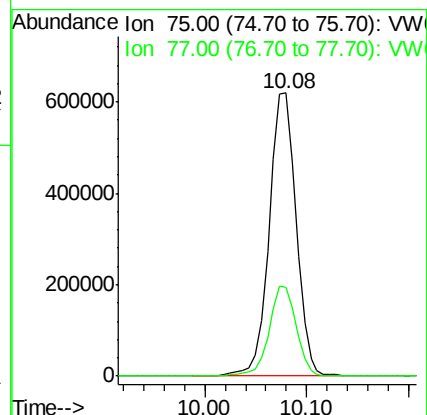
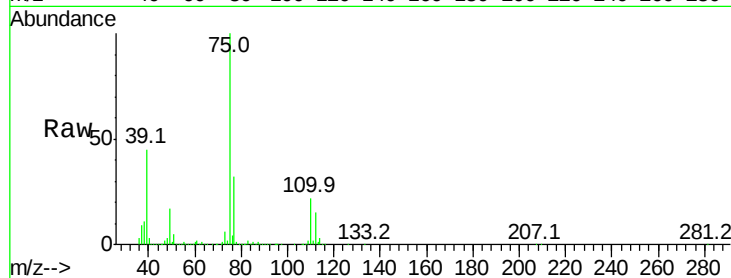
VSTD05092

Tgt Ion: 75 Resp: 1137567

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 126.328 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

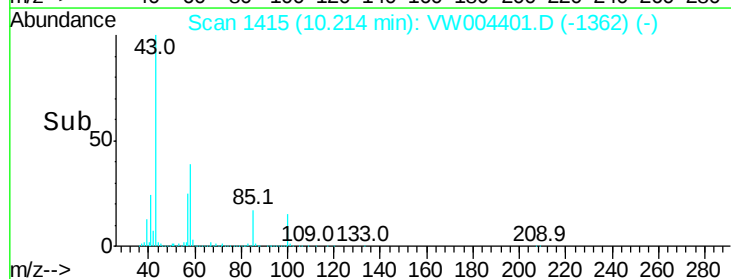
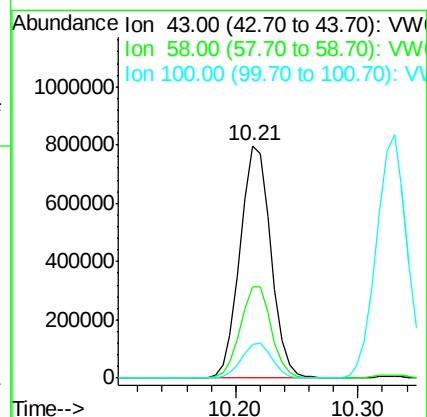
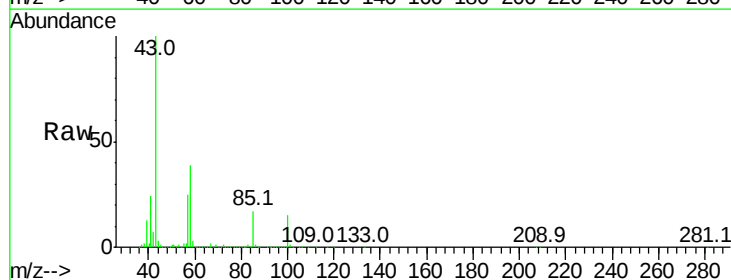
Tgt Ion: 43 Resp: 1391788

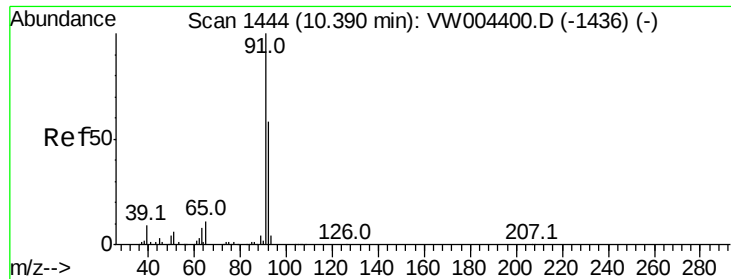
Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3

100 14.8 11.7 17.5





#44

Toluene

Concen: 53.316 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

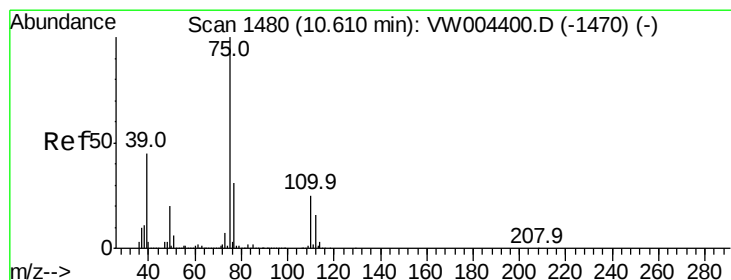
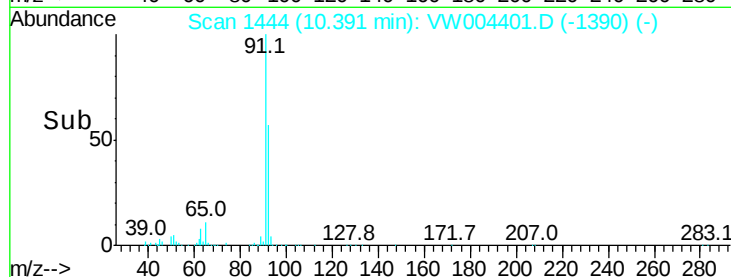
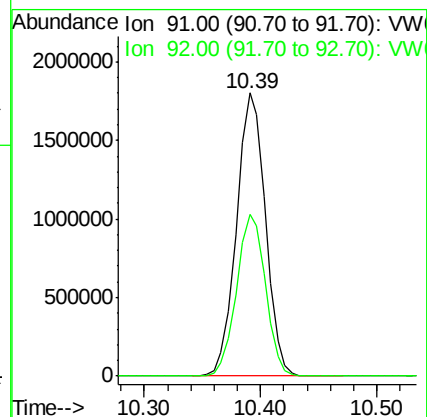
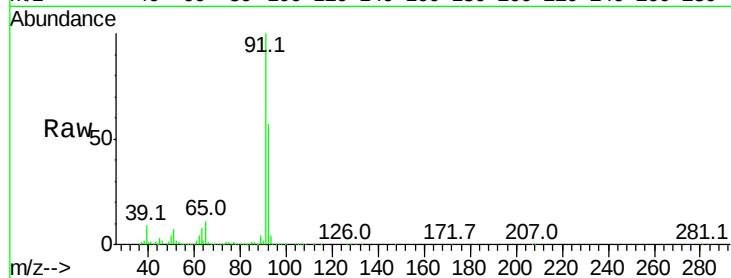
VSTD05092

Tgt Ion: 91 Resp: 3110456

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 53.463 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004401.D

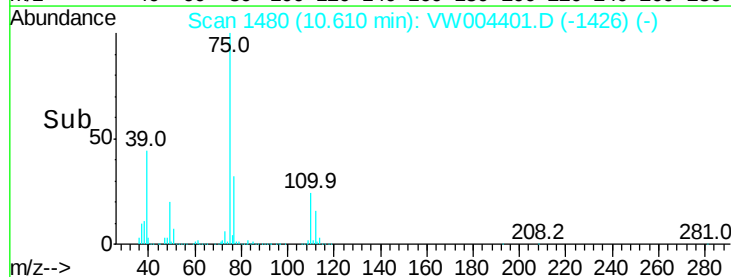
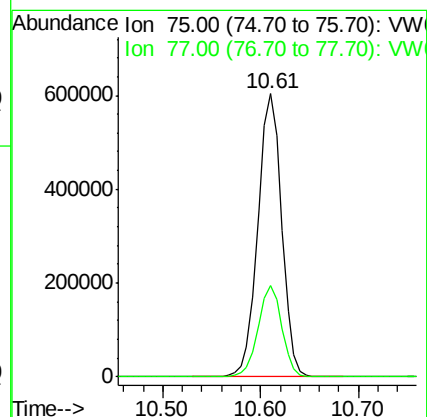
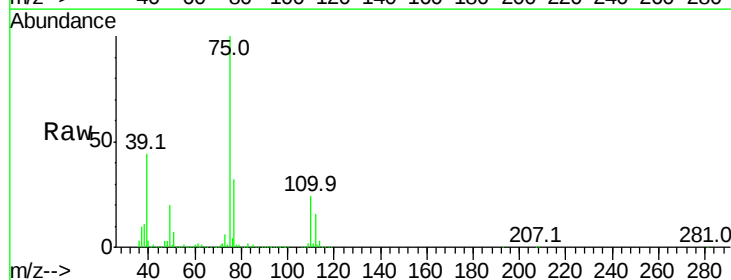
Acq: 02 Aug 2018 14:09

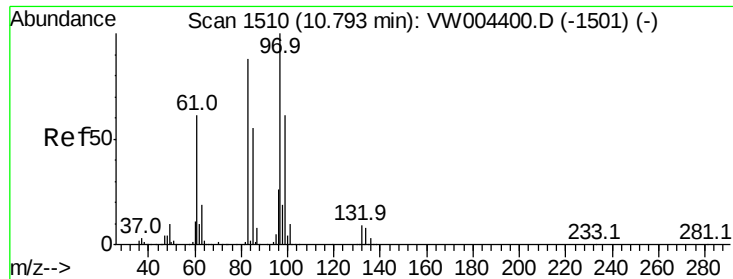
Tgt Ion: 75 Resp: 1024603

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6

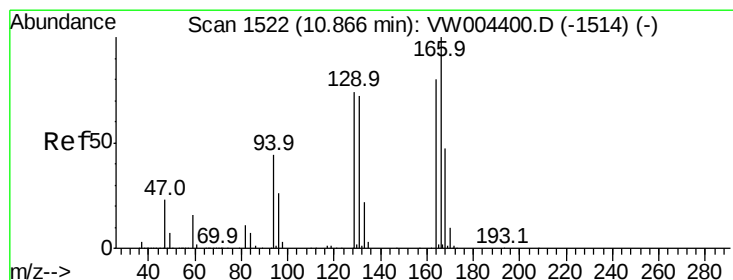
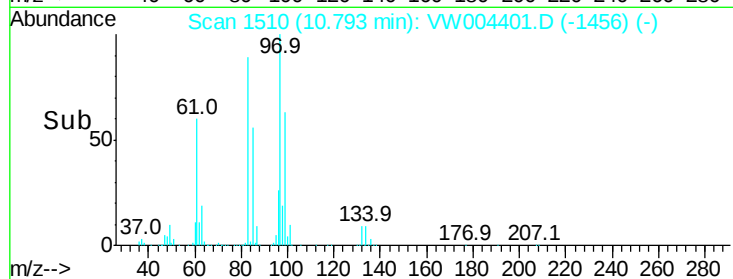
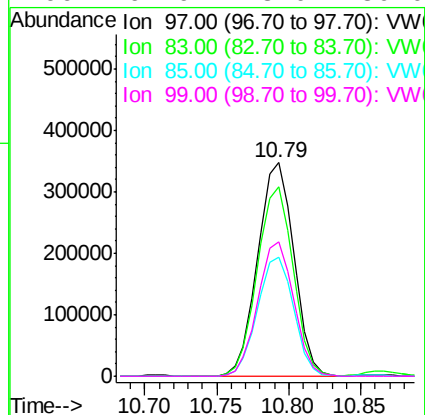
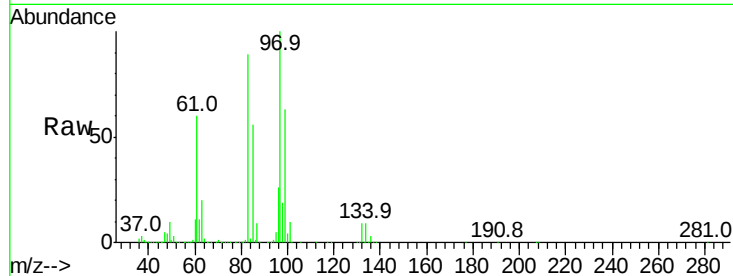




#46
 1,1,2-Trichloroethane
 Concen: 53.960 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

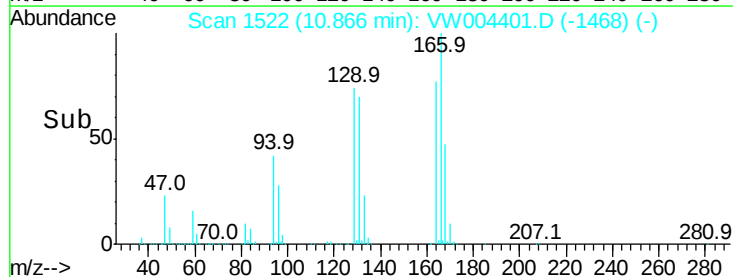
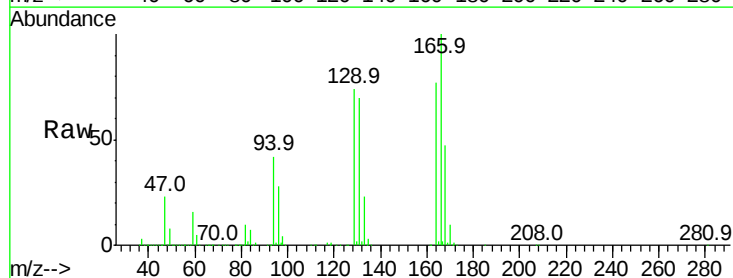
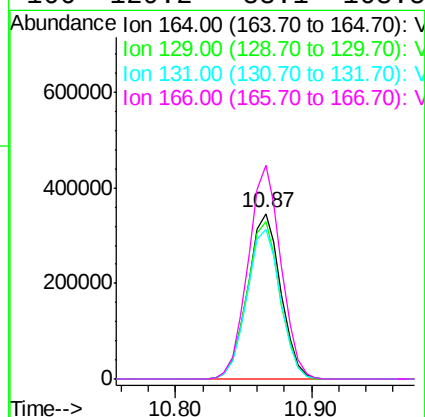
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05092

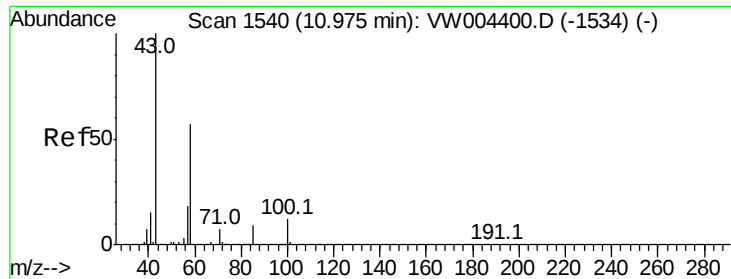
Tgt Ion:	97	Resp:	605556
Ion	Ratio	Lower	Upper
97	100		
83	88.6	61.8	114.8
85	55.9	38.8	72.0
99	62.9	43.0	80.0



#47
 Tetrachloroethene
 Concen: 47.430 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

Tgt Ion:	164	Resp:	591436
Ion	Ratio	Lower	Upper
164	100		
129	95.1	65.4	121.4
131	90.5	63.8	118.6
166	129.2	88.1	163.5



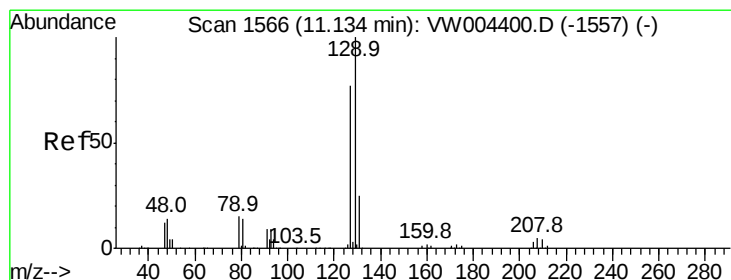
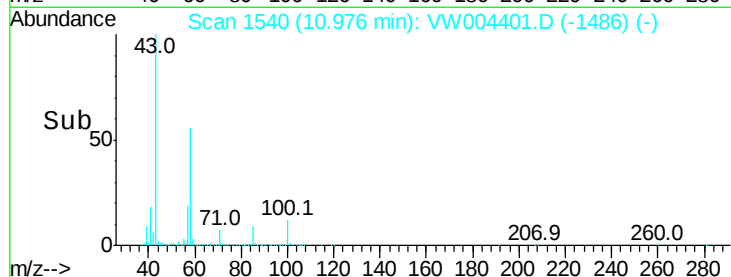
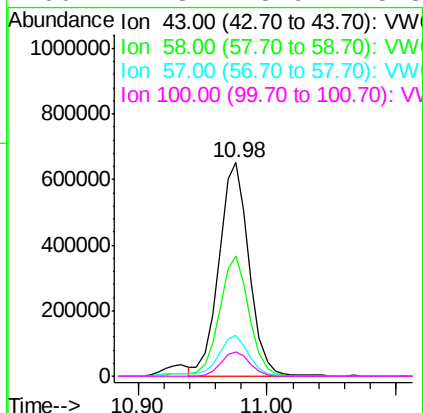
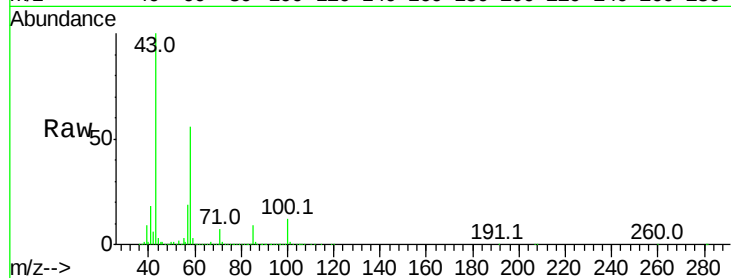


#49
2-Hexanone
Concen: 130.525 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD05092

Tgt Ion: 43 Resp: 1068785

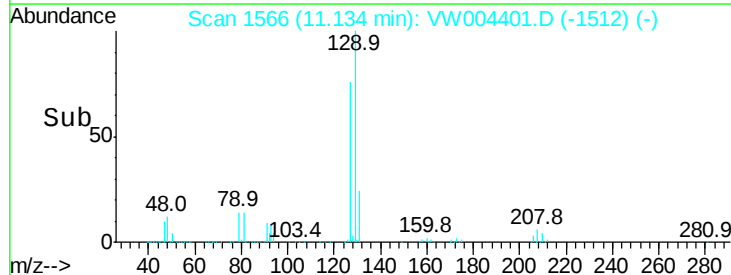
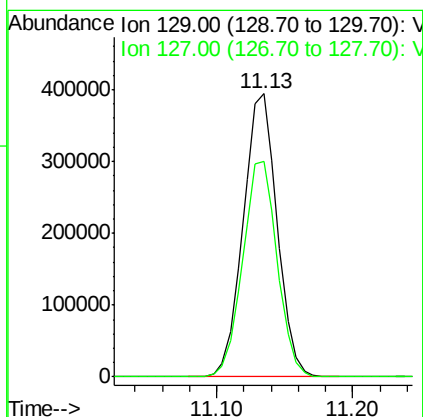
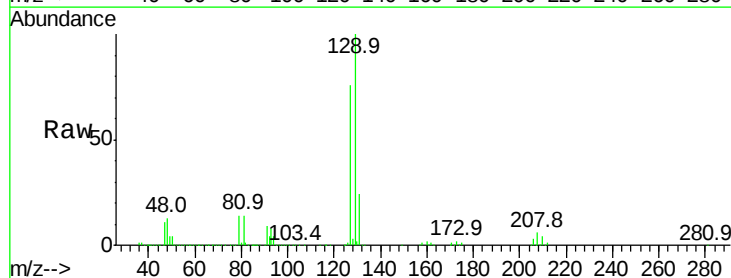
Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.4	65.0
57	18.8	15.0	22.6
100	11.3	8.9	13.3

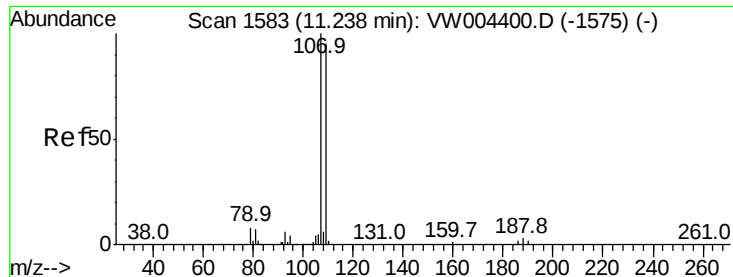


#50
Dibromochloromethane
Concen: 50.368 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004401.D
Acq: 02 Aug 2018 14:09

Tgt Ion: 129 Resp: 688610

Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.1	100.5





#51

1,2-Dibromoethane

Concen: 54.128 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

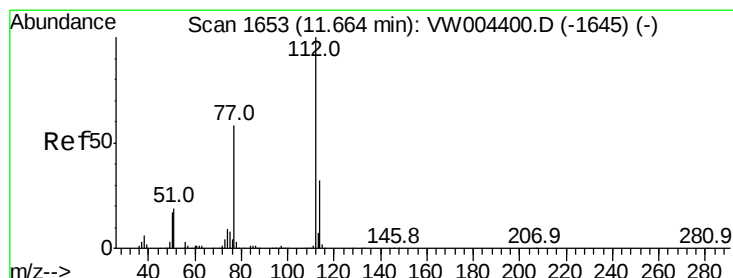
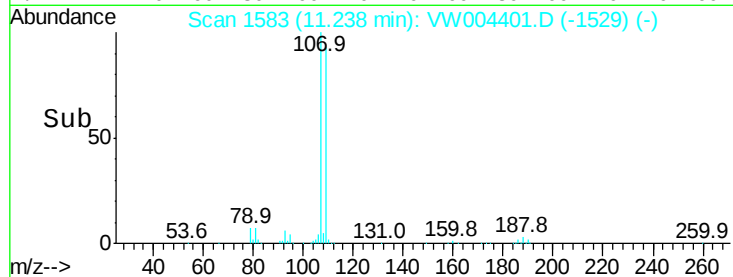
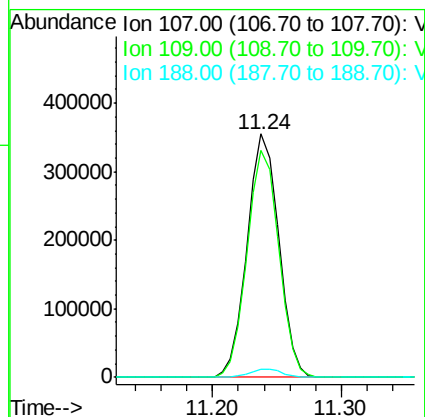
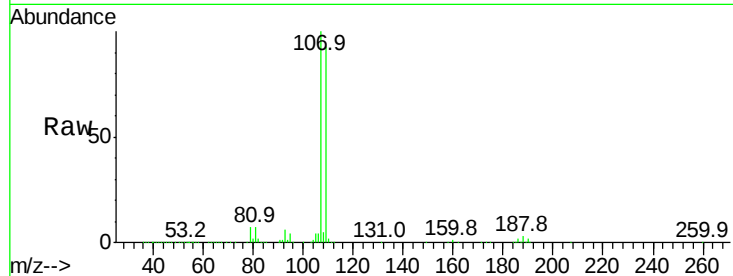
Instrument :

MSVOA_W

ClientSampleId :

VSTD05092

Tgt Ion:	107	Resp:	602047
Ion Ratio	Lower	Upper	
107	100		
109	93.0	66.8	124.2
188	3.3	2.6	3.8



#52

Chlorobenzene

Concen: 51.518 ug/L

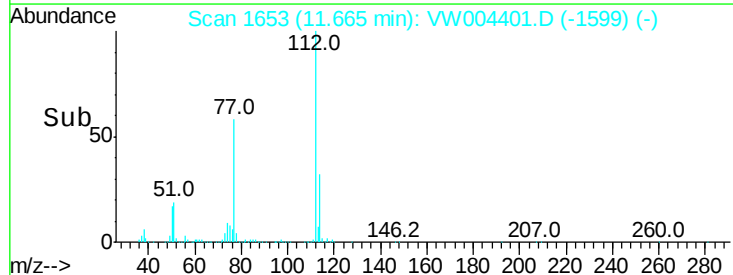
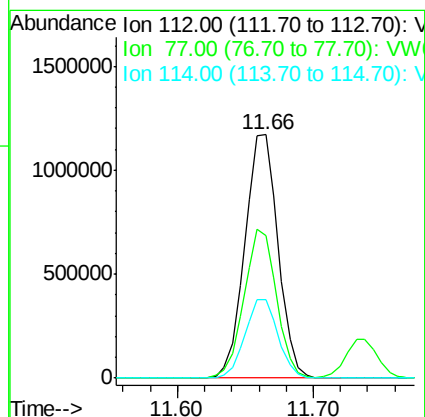
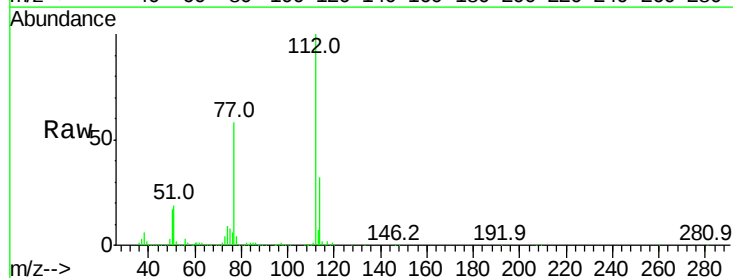
RT: 11.66 min Scan# 1653

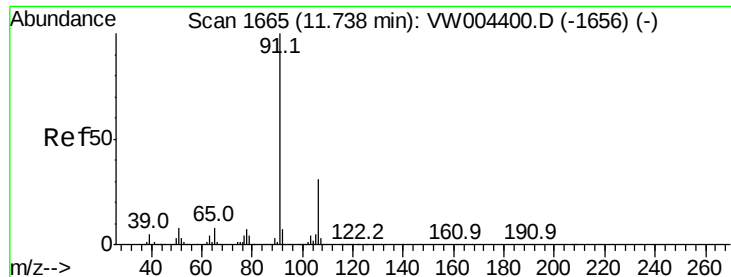
Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Tgt Ion:	112	Resp:	2000592
Ion Ratio	Lower	Upper	
112	100		
77	58.3	46.5	69.7
114	32.4	22.0	41.0





#53

Ethylbenzene

Concen: 53.796 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

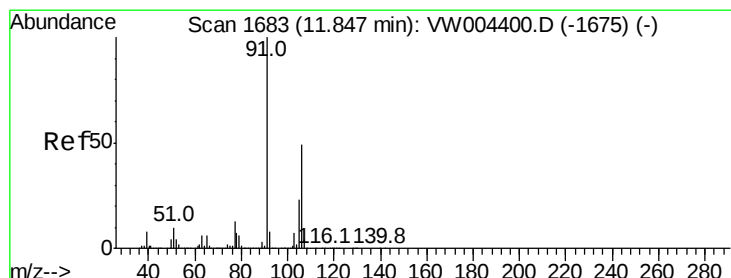
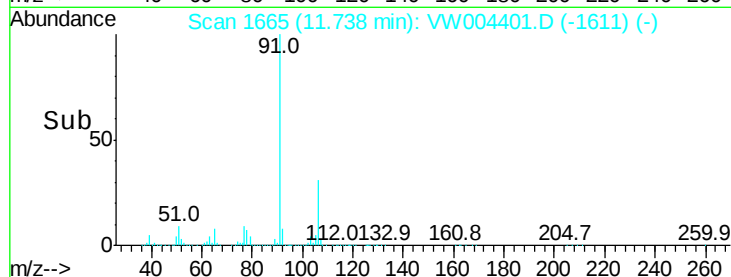
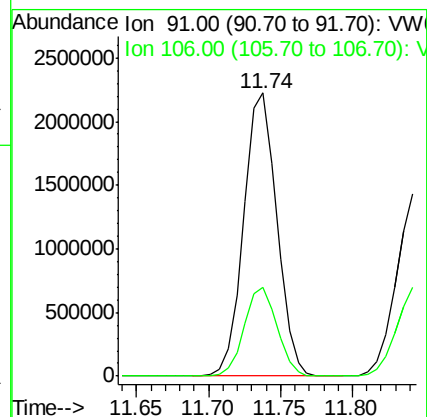
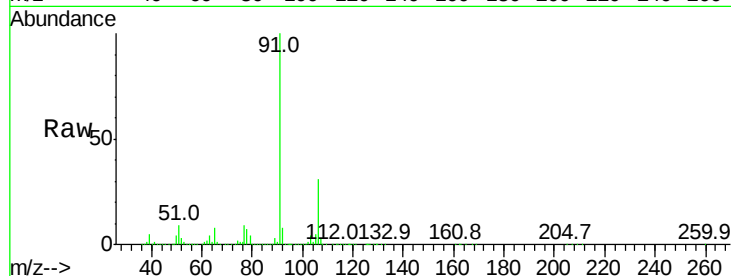
VSTD05092

Tgt Ion: 91 Resp: 3550490

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.0



#54

m,p-Xylene

Concen: 53.643 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004401.D

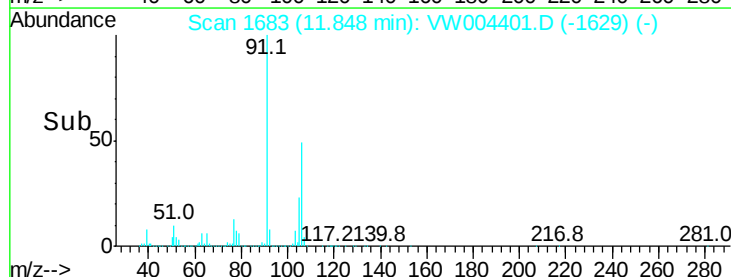
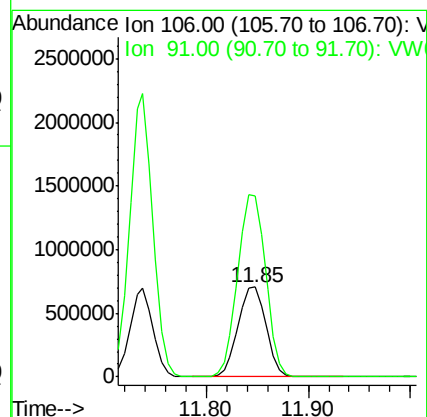
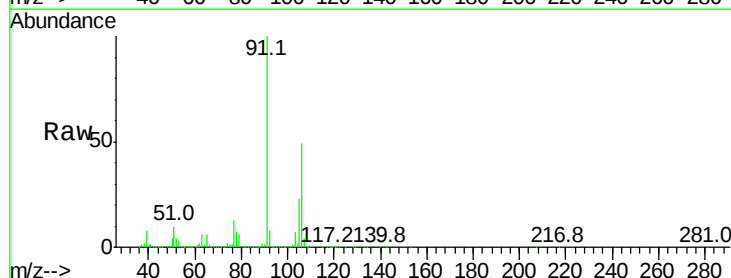
Acq: 02 Aug 2018 14:09

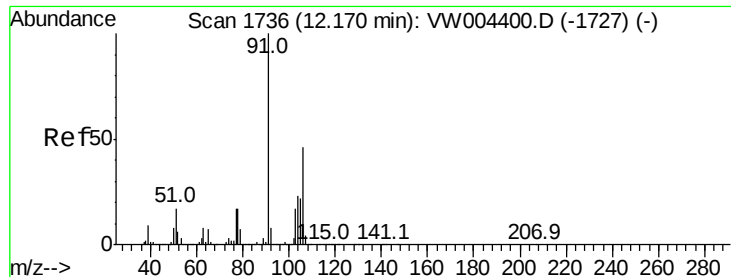
Tgt Ion: 106 Resp: 1339229

Ion Ratio Lower Upper

106 100

91 202.9 143.0 265.6





#55

o-xylene

Concen: 54.574 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

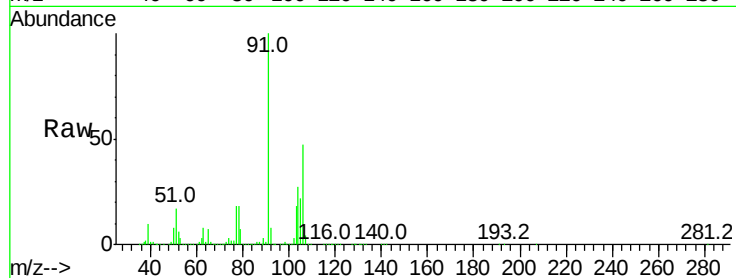
VSTD05092

Tgt Ion:106 Resp: 1286842

Ion Ratio Lower Upper

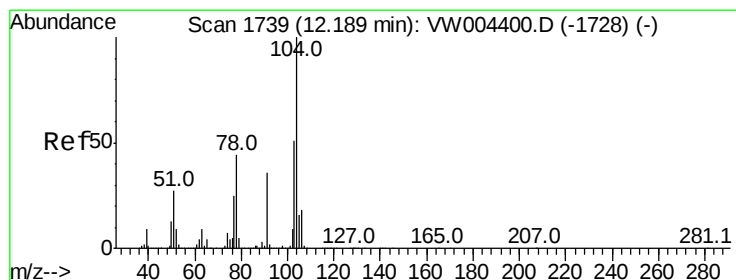
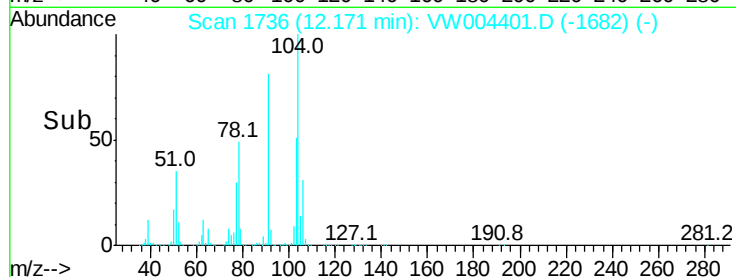
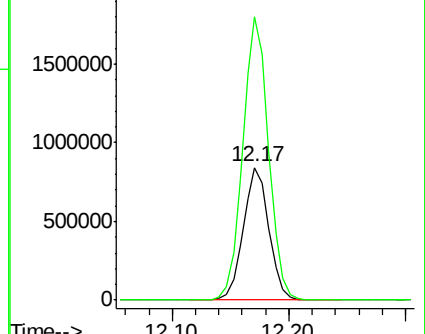
106 100

91 213.5 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 55.744 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004401.D

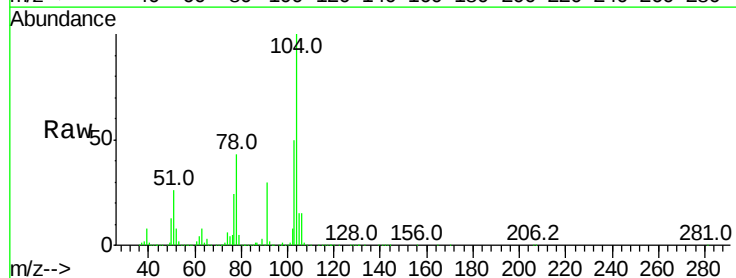
Acq: 02 Aug 2018 14:09

Tgt Ion:104 Resp: 2275316

Ion Ratio Lower Upper

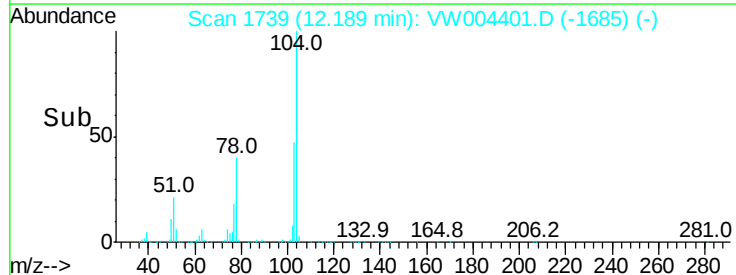
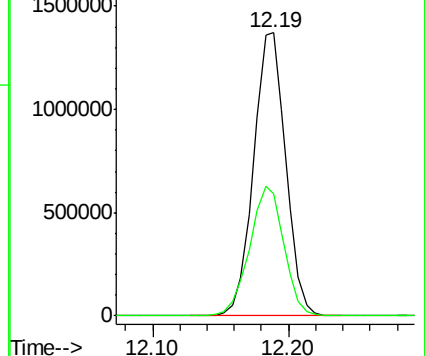
104 100

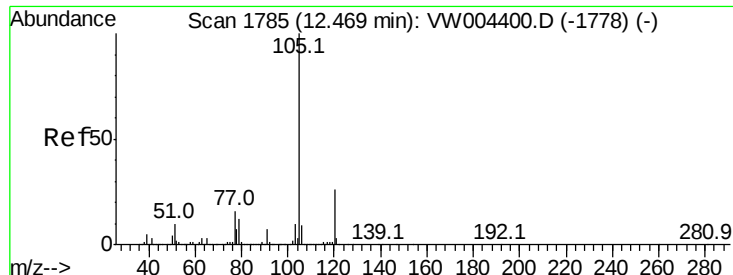
78 43.2 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 53.647 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD05092

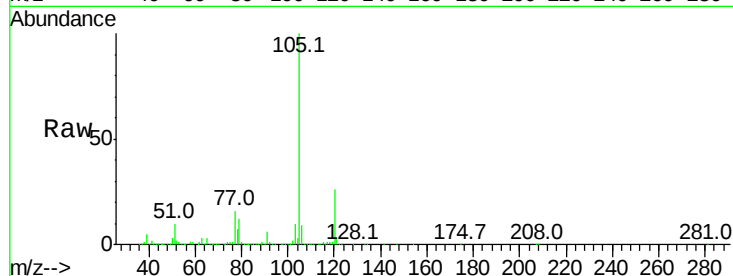
Tgt Ion:105 Resp: 3546635

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

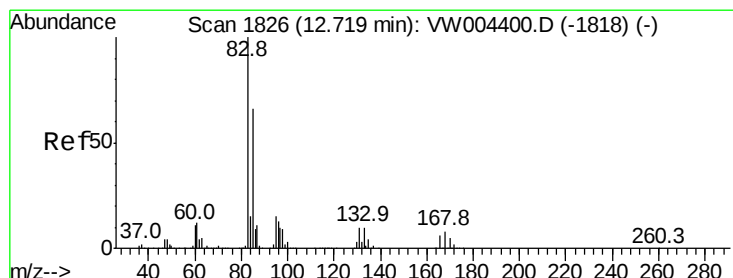
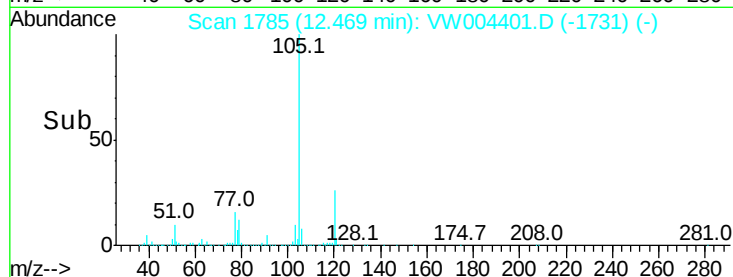
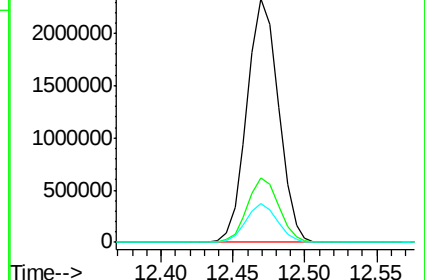
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 60.024 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

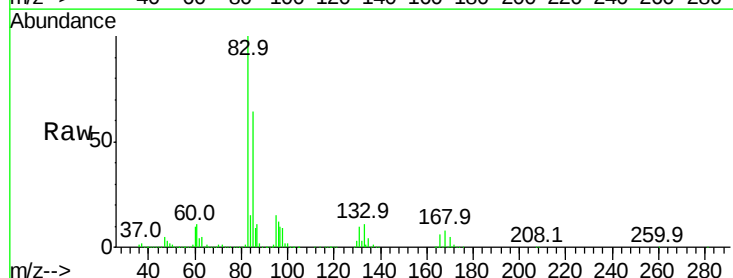
Tgt Ion: 83 Resp: 924817

Ion Ratio Lower Upper

83 100

85 64.1 46.1 85.5

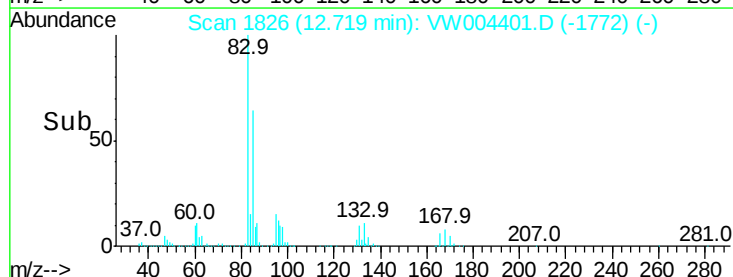
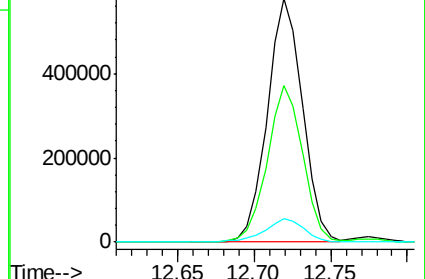
131 9.5 8.1 12.1

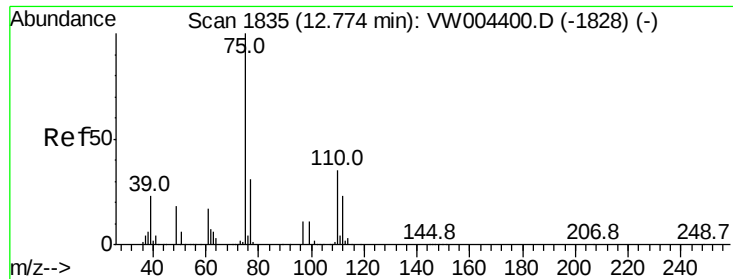


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 59.119 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

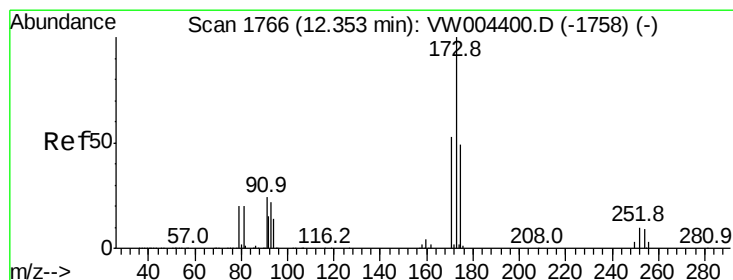
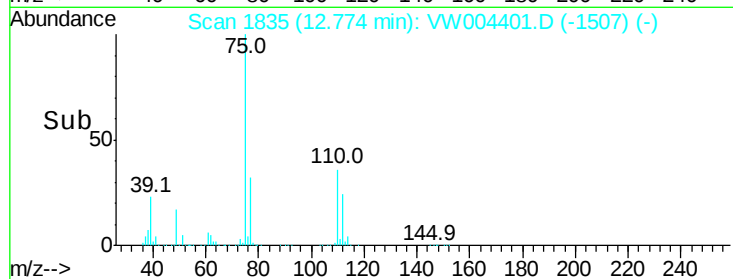
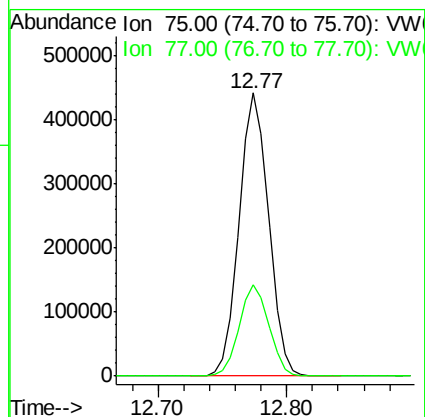
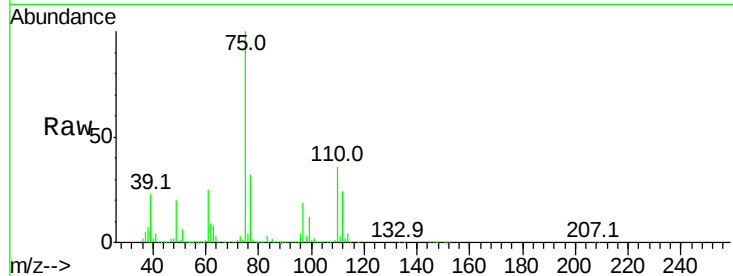
VSTD05092

Tgt Ion: 75 Resp: 701310

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



#62

Bromoform

Concen: 50.055 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

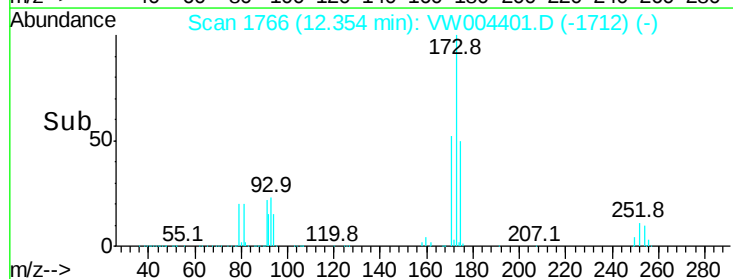
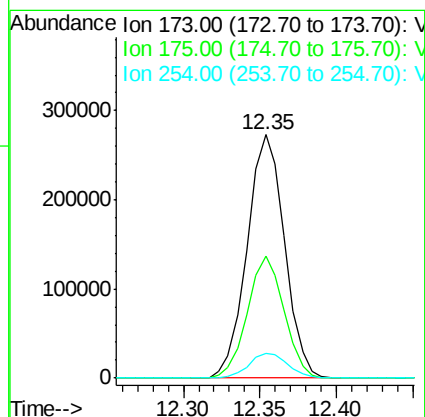
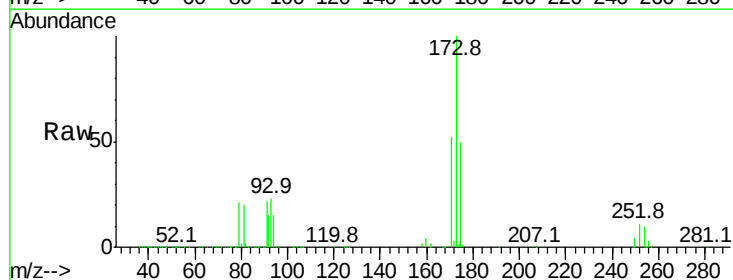
Tgt Ion: 173 Resp: 463742

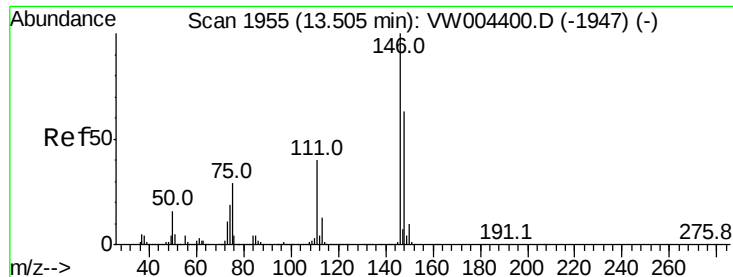
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 10.4 8.1 12.1

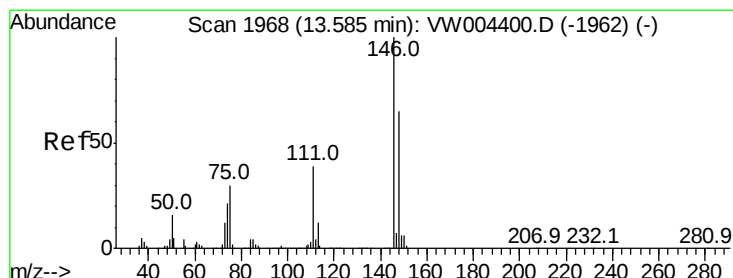
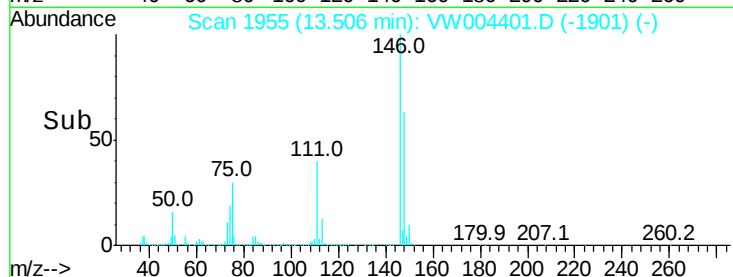
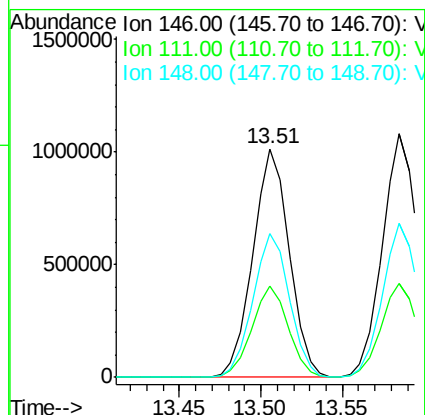
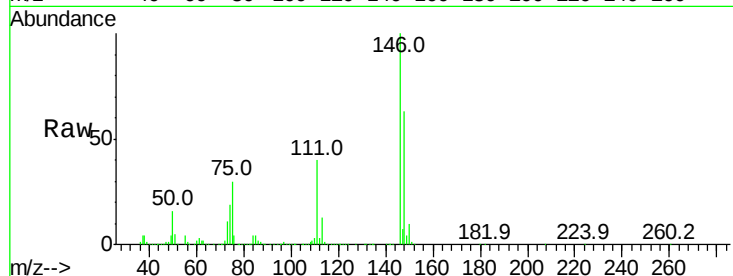




#63
 1,3-Dichlorobenzene
 Concen: 49.071 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

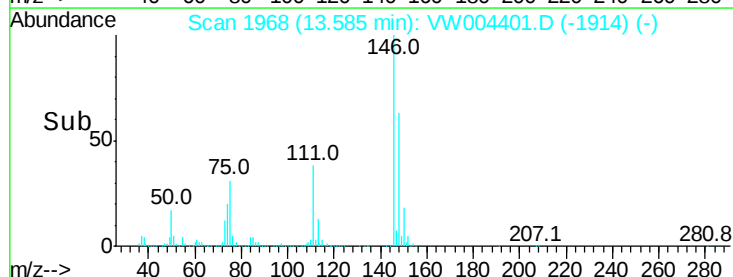
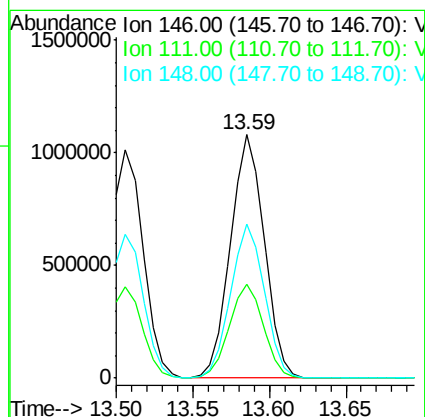
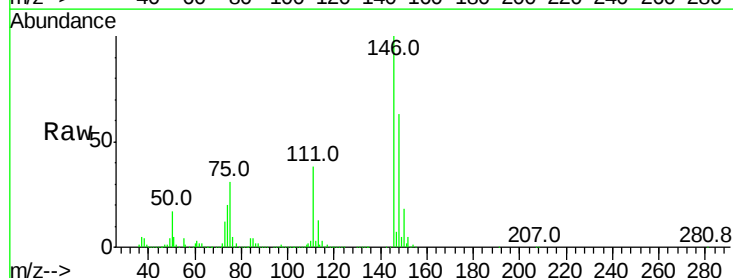
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05092

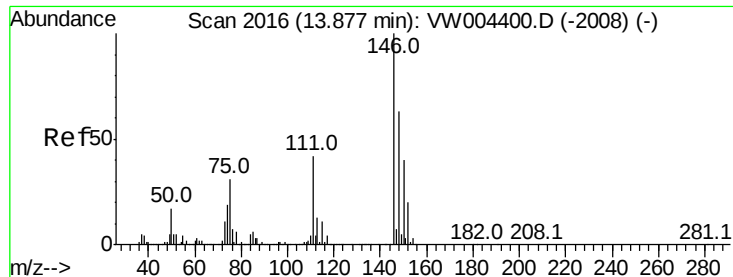
Tgt Ion:146 Resp: 1571974
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.7 51.5
 148 63.2 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 50.128 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

Tgt Ion:146 Resp: 1652138
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.7 51.5
 148 63.3 45.5 84.5





#65

1,2-Dichlorobenzene

Concen: 51.495 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD05092

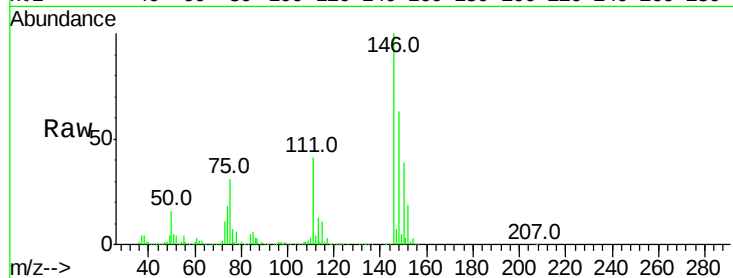
Tgt Ion:146 Resp: 1559506

Ion Ratio Lower Upper

146 100

111 40.9 33.4 50.2

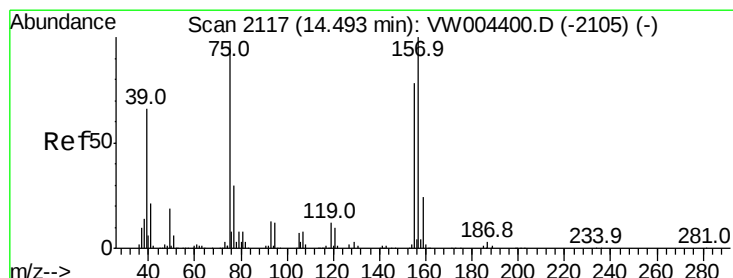
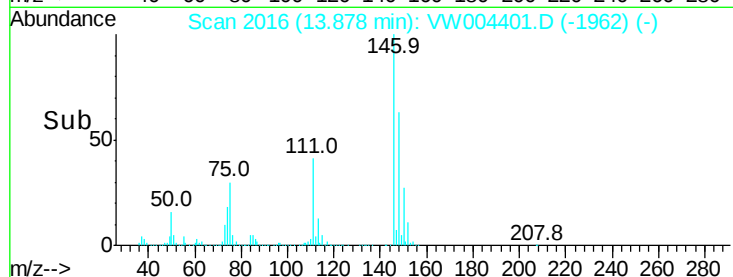
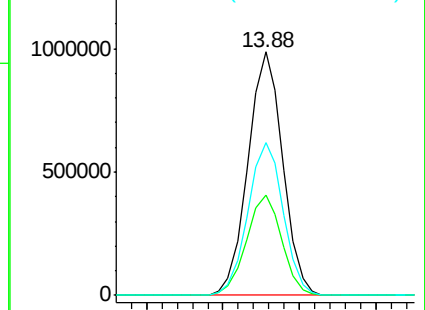
148 62.9 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 56.146 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

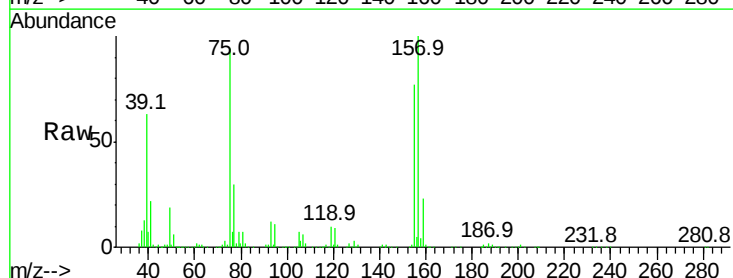
Tgt Ion: 75 Resp: 167541

Ion Ratio Lower Upper

75 100

157 106.5 81.4 122.0

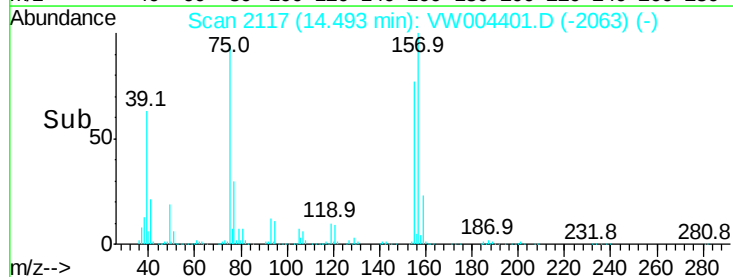
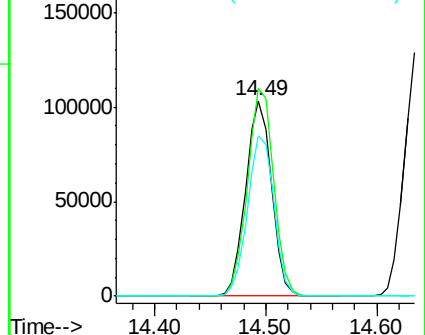
155 82.2 63.0 94.6

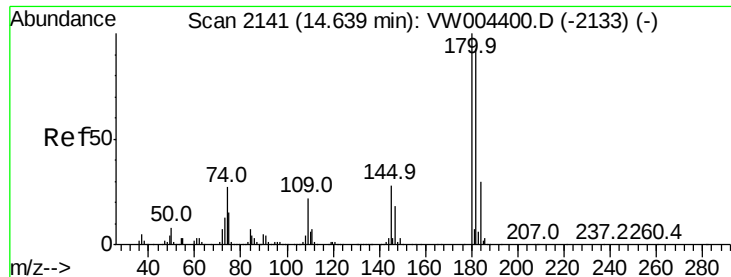


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

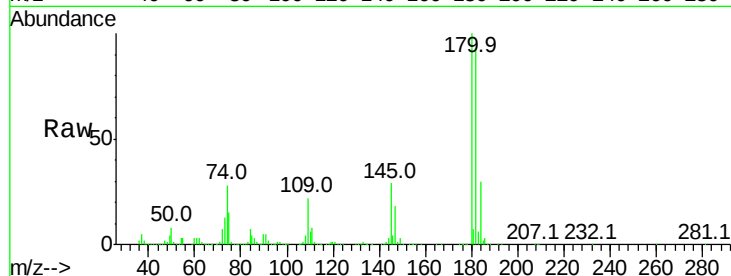




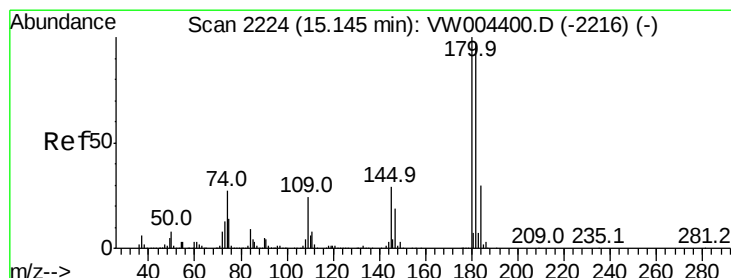
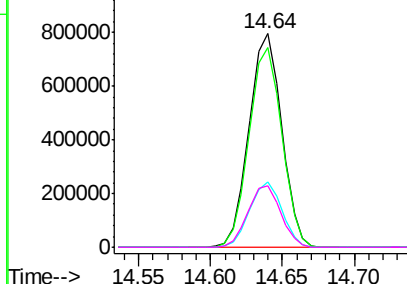
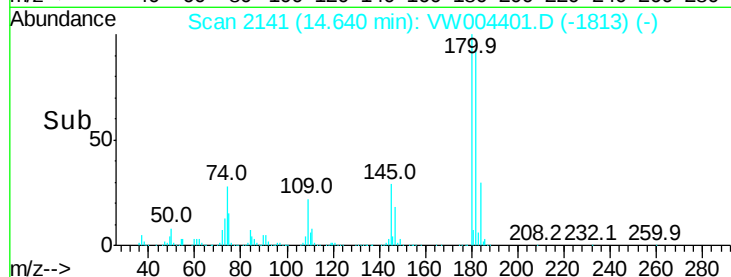
#67
 1,3,5-Trichlorobenzene
 Concen: 48.889 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05092

Tgt Ion:180 Resp: 1241640
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.1 112.7
 184 30.2 24.0 36.0
 145 29.1 23.0 34.6

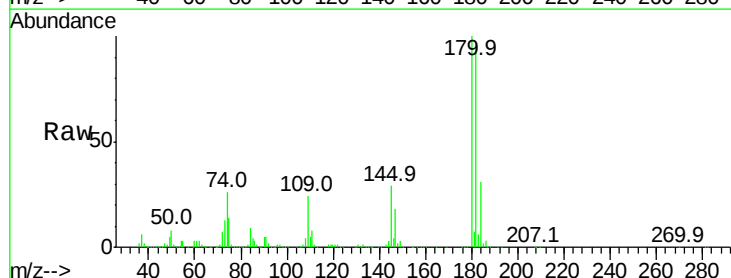


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

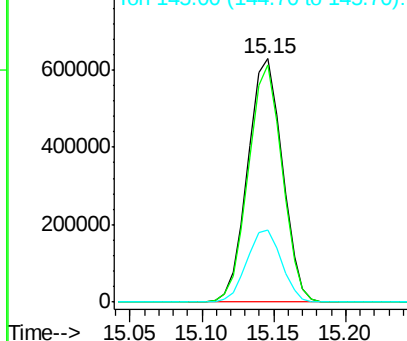
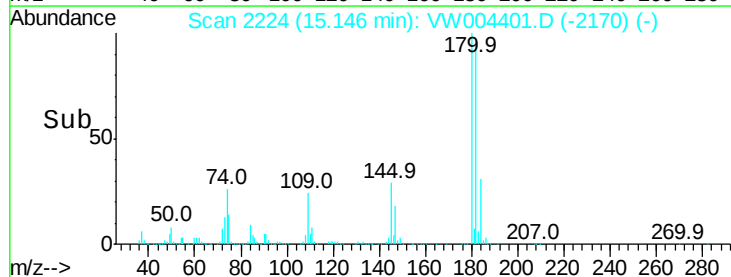


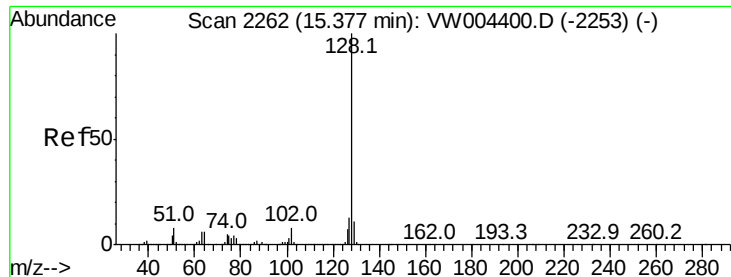
#68
 1,2,4-trichlorobenzene
 Concen: 48.312 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004401.D
 Acq: 02 Aug 2018 14:09

Tgt Ion:180 Resp: 1042032
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.9 115.3
 145 29.8 23.4 35.2



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





#69

Naphthalene

Concen: 54.977 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD05092

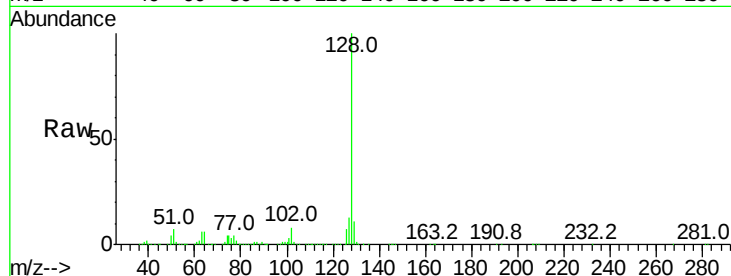
Tgt Ion:128 Resp: 2679836

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

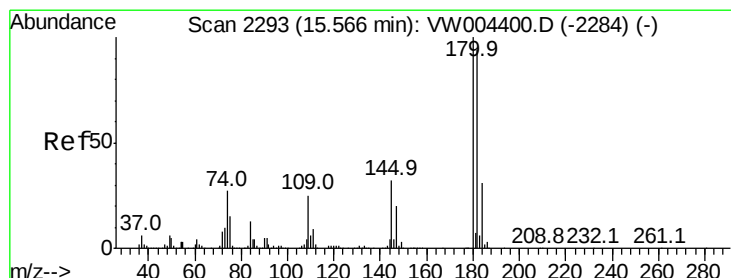
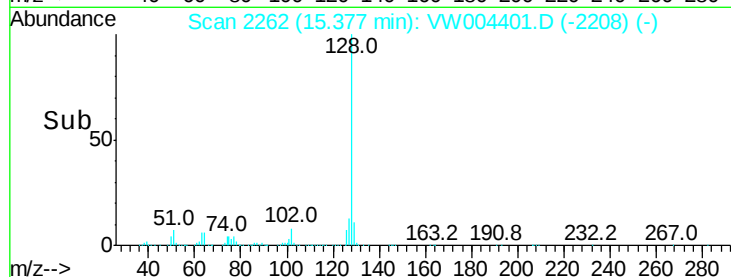
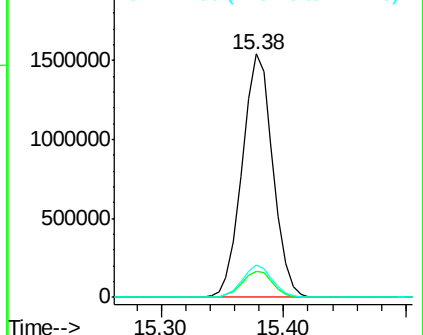
127 13.1 10.6 16.0



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: 50.252 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004401.D

Acq: 02 Aug 2018 14:09

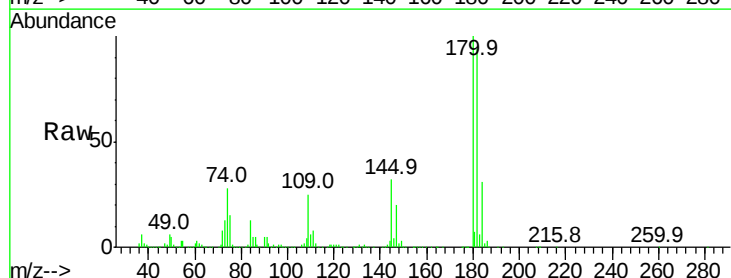
Tgt Ion:180 Resp: 1002934

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 31.6 25.2 37.8



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

