

Data File : VW004404.D
Acq On : 02 Aug 2018 16:17
Operator : SY/AP
Sample : VSTD2.594
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

Quant Time: Aug 02 16:49:41 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	945603	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	945931	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	448948	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	35404	4.81	ug/L	0.00
7) Chloroethane-d5	2.89	69	28521	3.92	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	66311	3.12	ug/L	0.00
20) 2-Butanone-d5	7.10	46	27110	5.93	ug/L	0.00
24) Chloroform-d	7.65	84	74924	3.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	41466	3.17	ug/L	0.00
29) Benzene-d6	8.27	84	136254	2.79	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	46223	3.05	ug/L	0.00
37) Toluene-d8	10.33	98	110009	2.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	17037	2.33	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	16015	4.12	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	49015	3.10	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	47356	2.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	23874	2.765 ug/L	97
3) Chloromethane	2.21	50	33319	4.066 ug/L	97
5) Vinyl chloride	2.37	62	44602	4.409 ug/L	100
6) Bromomethane	2.78	94	25697	3.547 ug/L	98
8) Chloroethane	2.92	64	25083	3.526 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	33838	2.707 ug/L	99
12) 1,1-Dichloroethene	4.03	96	34910	2.974 ug/L #	81
13) Acetone	4.15	43	28640	7.166 ug/L	97
14) Carbon disulfide	4.38	76	103021	2.967 ug/L	98
15) Methyl Acetate	4.68	43	24791	3.111 ug/L	98
16) Methylene chloride	4.92	84	73240	4.900 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	41246	2.237 ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	34278	2.690 ug/L	94
19) 1,1-Dichloroethane	6.21	63	66104	2.984 ug/L	97
21) 2-Butanone	7.18	43	31358	5.757 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	35263	2.511 ug/L	95
23) Bromochloromethane	7.52	128	18489	2.803 ug/L	93
25) Chloroform	7.68	83	69779	2.994 ug/L	100
27) 1,2-Dichloroethane	8.40	62	46937	2.981 ug/L	98
30) Cyclohexane	7.96	56	45025	2.016 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	51201	2.470 ug/L	98
32) Carbon tetrachloride	8.07	117	48387	2.397 ug/L	100
34) Benzene	8.32	78	141598	2.582 ug/L	100
35) Trichloroethene	9.10	95	36070	2.457 ug/L	97
36) Methylcyclohexane	9.34	83	54400	2.078 ug/L	94
40) 1,2-Dichloropropane	9.37	63	38869	2.826 ug/L	99
41) Bromodichloromethane	9.65	83	46930	2.637 ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	46531	2.157 ug/L	96
43) 4-Methyl-2-pentanone	10.22	43	49800	4.472 ug/L	95
44) Toluene	10.39	91	132976	2.255 ug/L	100

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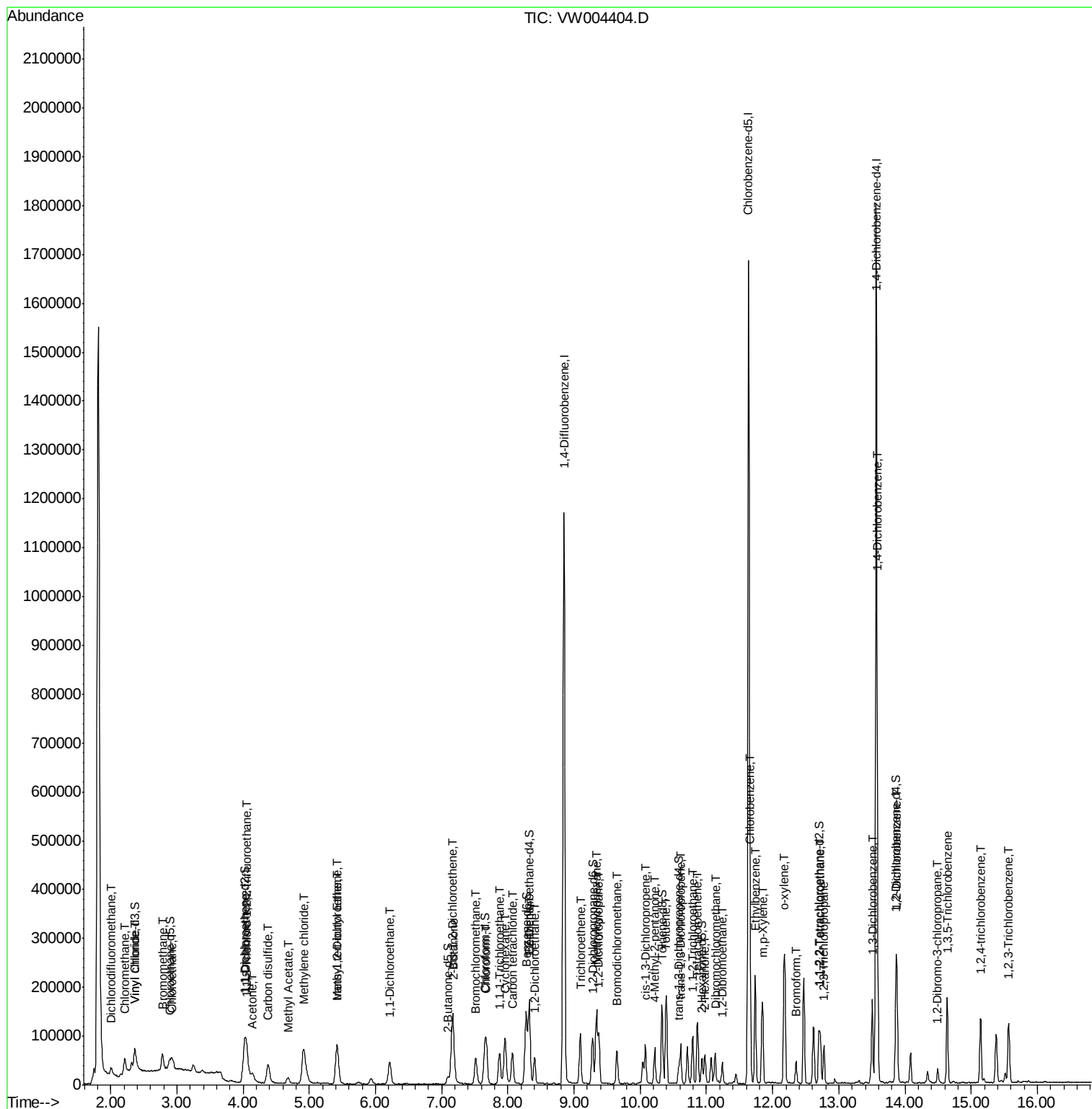
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	41559	2.145	ug/L	91
46) 1,1,2-Trichloroethane	10.79	97	30442	2.684	ug/L	97
47) Tetrachloroethene	10.87	164	29198	2.317	ug/L	93
49) 2-Hexanone	10.98	43	36103	4.362	ug/L	93
50) Dibromochloromethane	11.13	129	32533	2.354	ug/L	95
51) 1,2-Dibromoethane	11.24	107	28655	2.549	ug/L	98
52) Chlorobenzene	11.66	112	100337	2.556	ug/L	99
53) Ethylbenzene	11.74	91	147107	2.205	ug/L	98
54) m,p-Xylene	11.85	106	52119	2.065	ug/L	97
55) o-xylene	12.17	106	47745	2.003	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.72	83	44271	2.843	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	32351	2.698	ug/L	98
62) Bromoform	12.35	173	20884	2.494	ug/L #	97
63) 1,3-Dichlorobenzene	13.51	146	70315	2.428	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	78500	2.635	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	72041	2.632	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	7944	2.945	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.64	180	56459	2.459	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	43783	2.246	ug/L	97
70) 1,2,3-Trichlorobenzene	15.57	180	43330	2.402	ug/L	99

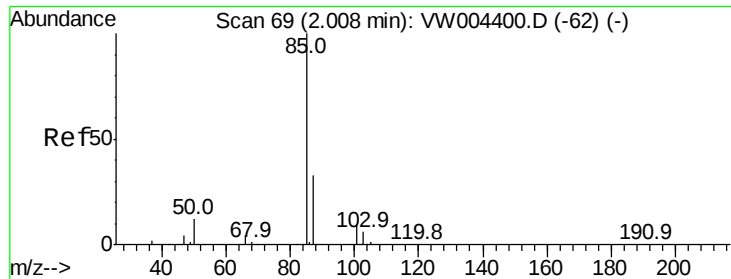
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.765 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

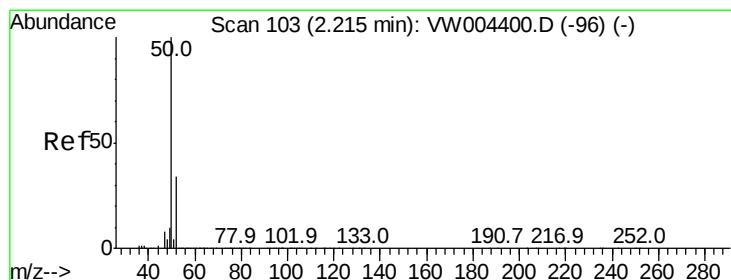
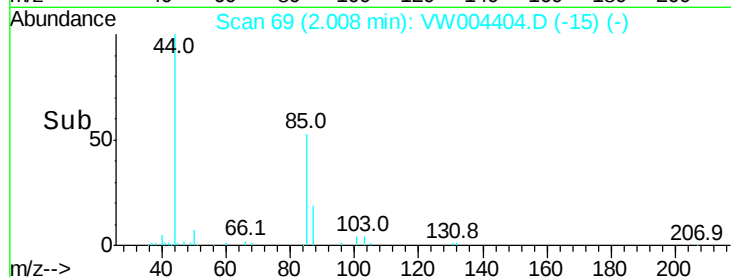
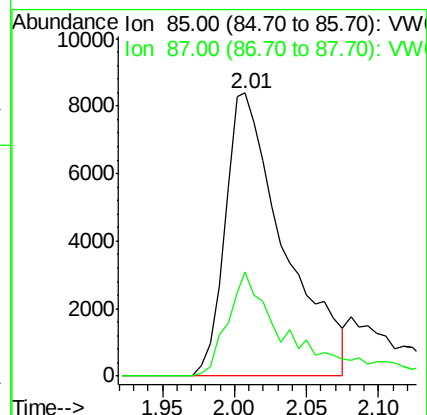
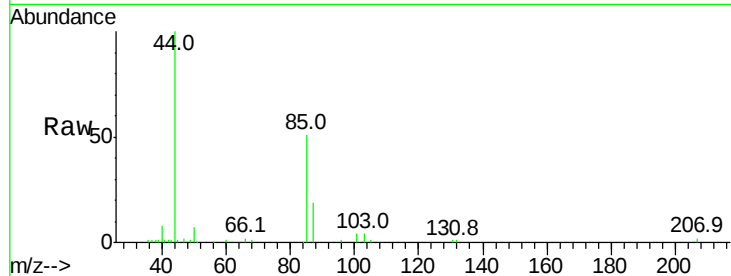
VSTD2.594

Tgt Ion: 85 Resp: 23874

Ion Ratio Lower Upper

85 100

87 30.4 20.2 37.4



#3

Chloromethane

Concen: 4.066 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004404.D

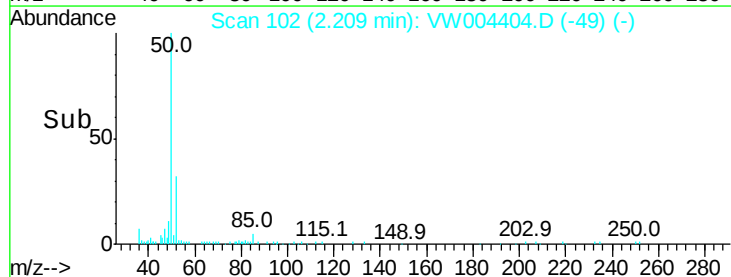
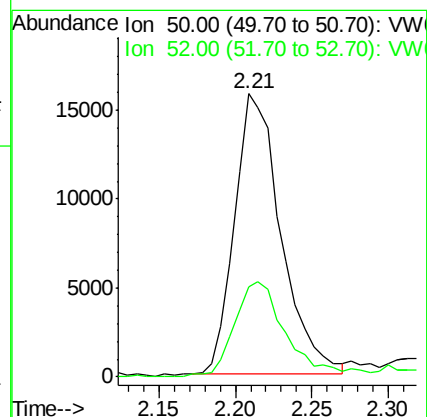
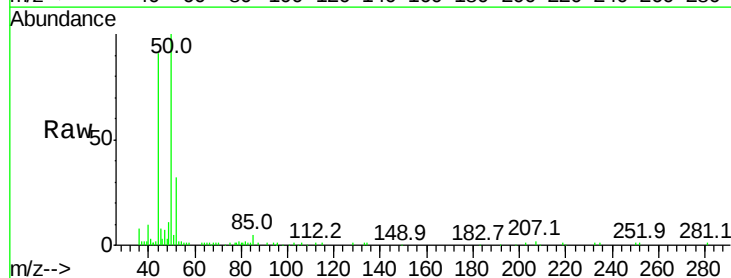
Acq: 02 Aug 2018 16:17

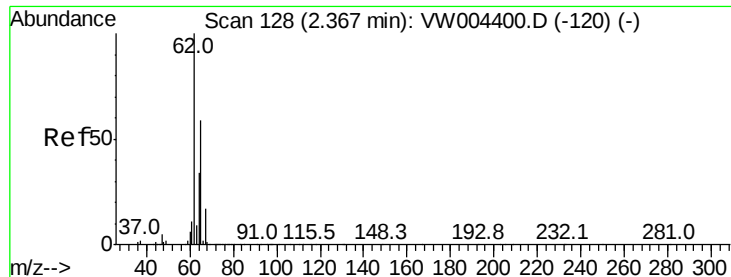
Tgt Ion: 50 Resp: 33319

Ion Ratio Lower Upper

50 100

52 31.8 23.4 43.6





#5

Vinyl chloride

Concen: 4.409 ug/L

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

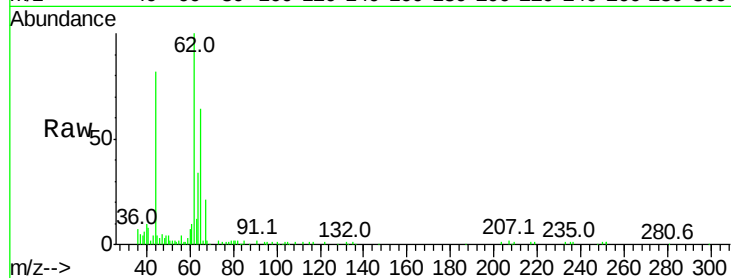
VSTD2.594

Tgt Ion: 62 Resp: 44602

Ion Ratio Lower Upper

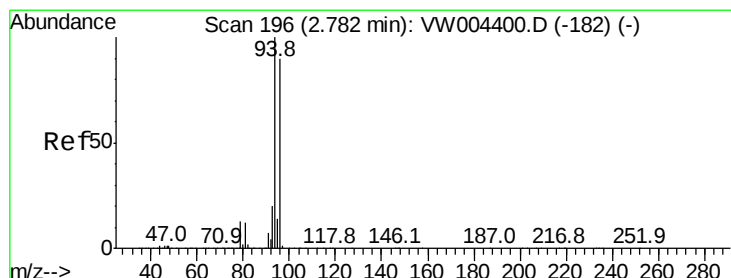
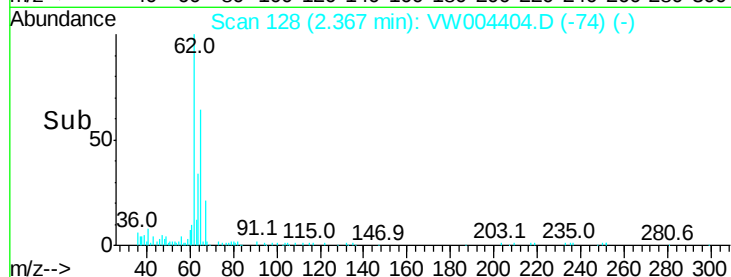
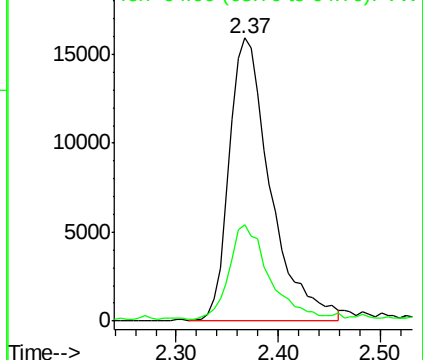
62 100

64 34.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 3.547 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004404.D

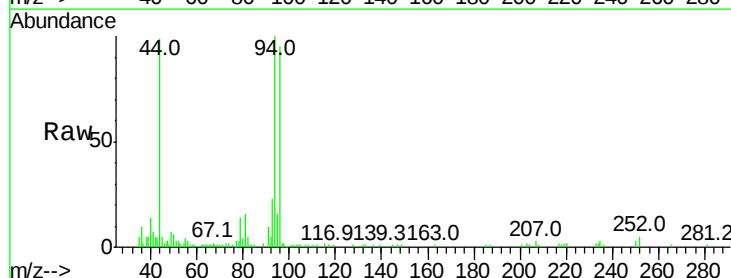
Acq: 02 Aug 2018 16:17

Tgt Ion: 94 Resp: 25697

Ion Ratio Lower Upper

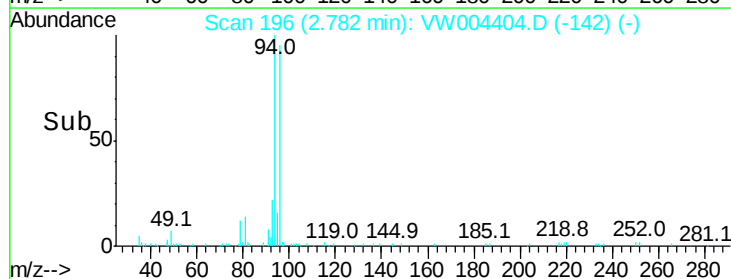
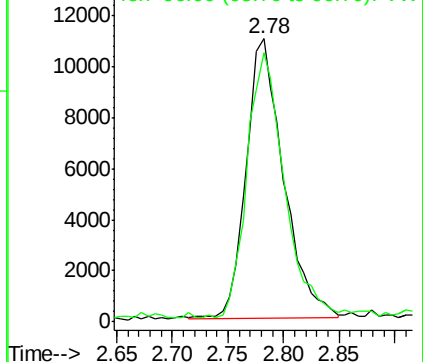
94 100

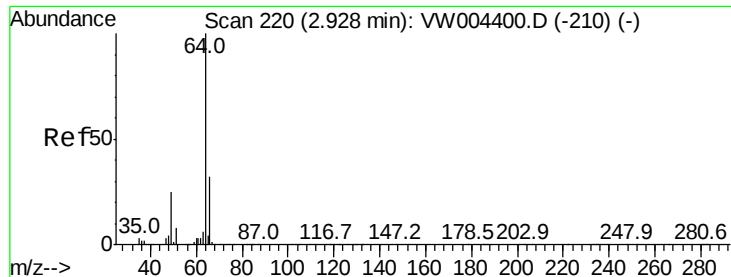
96 94.0 9.2 175.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 3.526 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

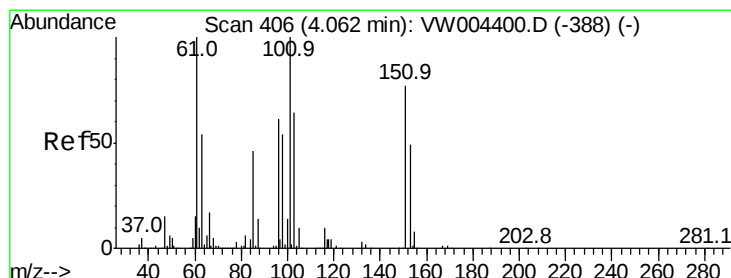
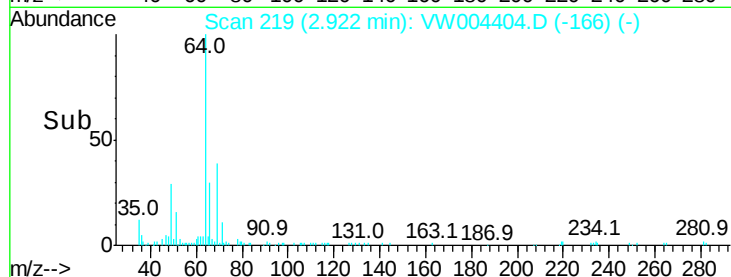
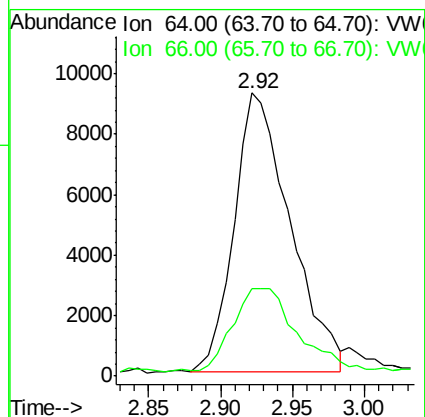
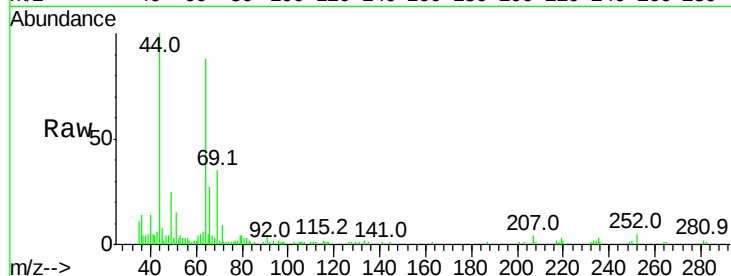
VSTD2.594

Tgt Ion: 64 Resp: 25083

Ion Ratio Lower Upper

64 100

66 30.9 22.8 42.4



#11

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

Concen: 2.707 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

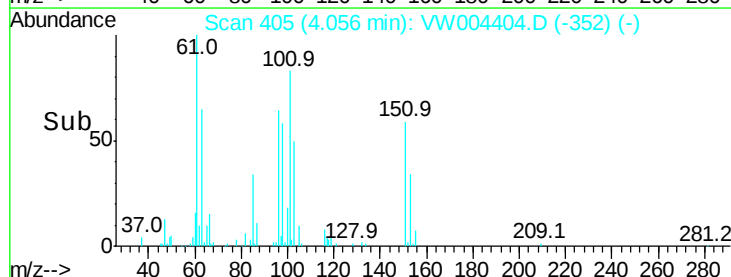
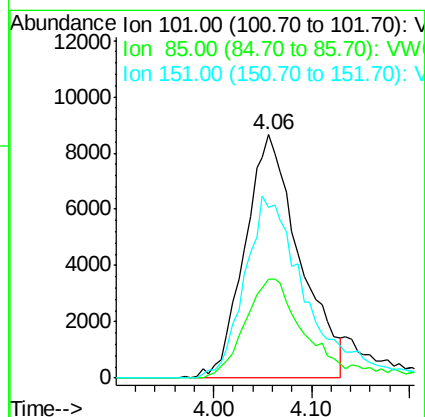
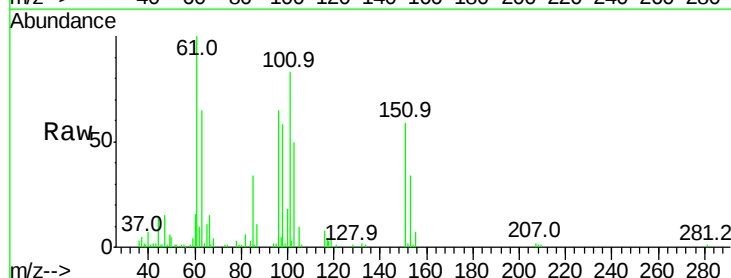
Tgt Ion: 101 Resp: 33838

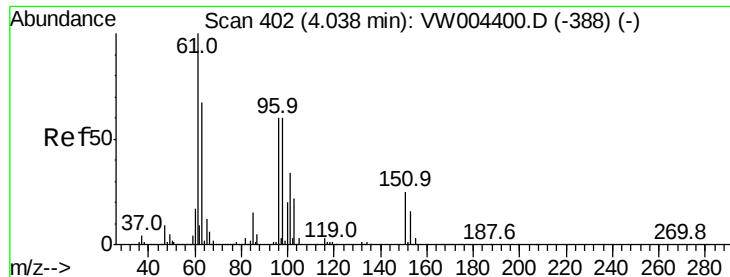
Ion Ratio Lower Upper

101 100

85 42.4 35.6 53.4

151 78.0 62.6 94.0





#12

1,1-Dichloroethene

Concen: 2.974 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

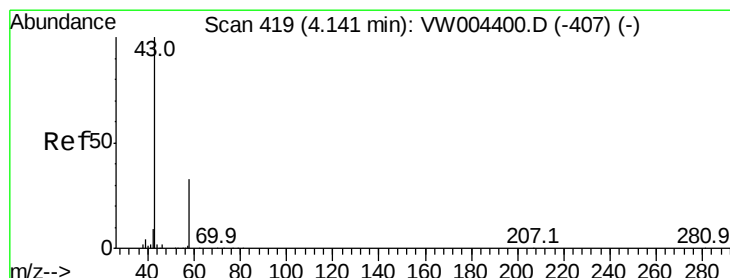
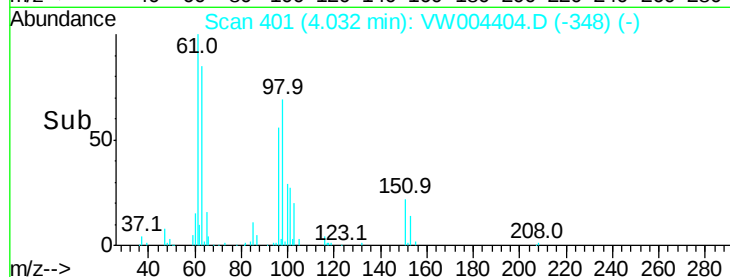
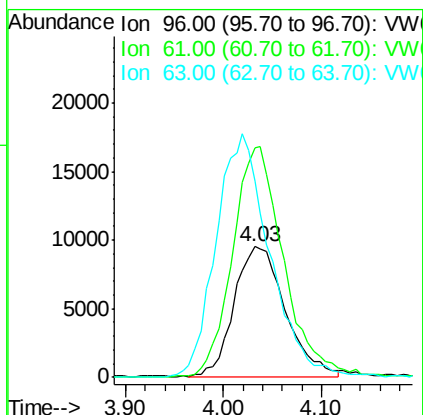
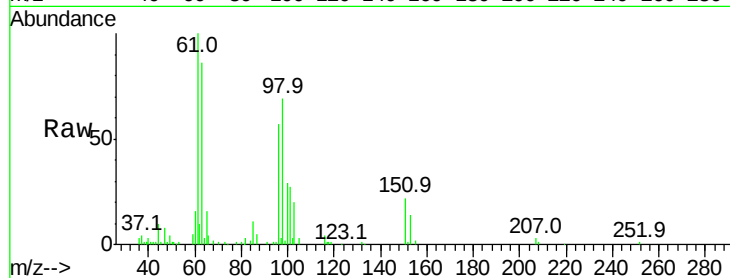
Tgt Ion: 96 Resp: 34910

Ion Ratio Lower Upper

96 100

61 175.5 115.9 215.3

63 150.4 78.0 144.9#



#13

Acetone

Concen: 7.166 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004404.D

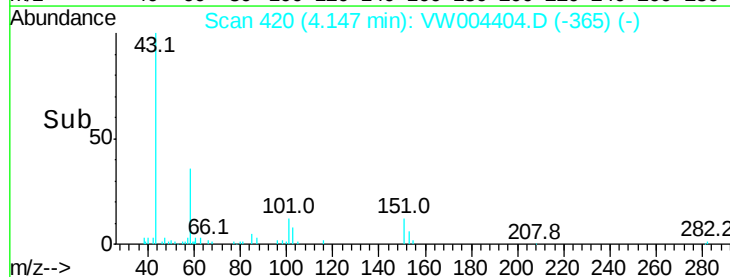
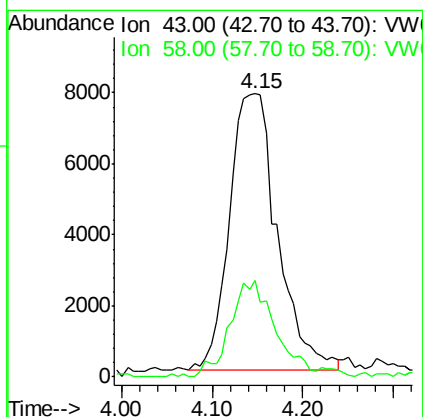
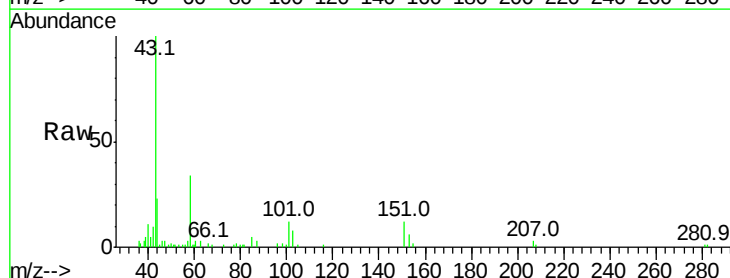
Acq: 02 Aug 2018 16:17

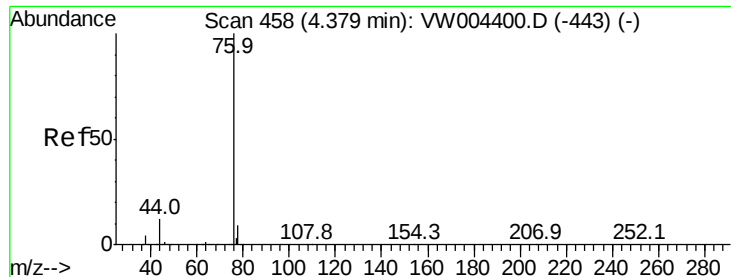
Tgt Ion: 43 Resp: 28640

Ion Ratio Lower Upper

43 100

58 31.5 0.0 66.4





#14

Carbon disulfide

Concen: 2.967 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

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ClientSampleId :

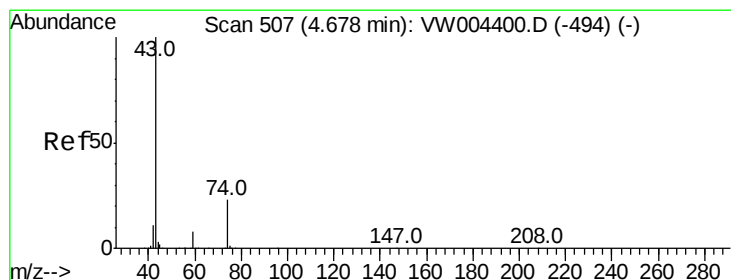
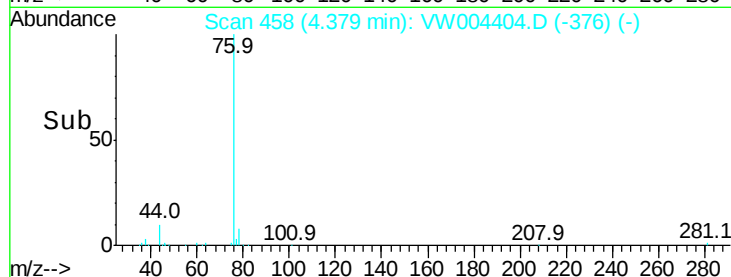
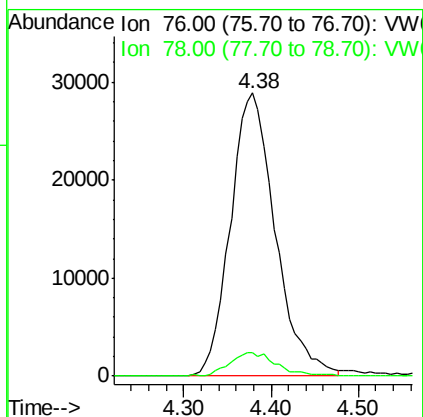
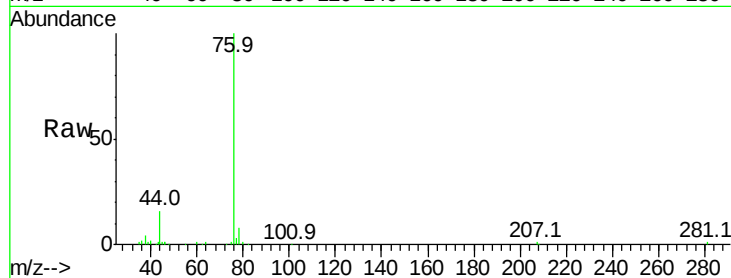
VSTD2.594

Tgt Ion: 76 Resp: 103021

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8



#15

Methyl Acetate

Concen: 3.111 ug/L

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW004404.D

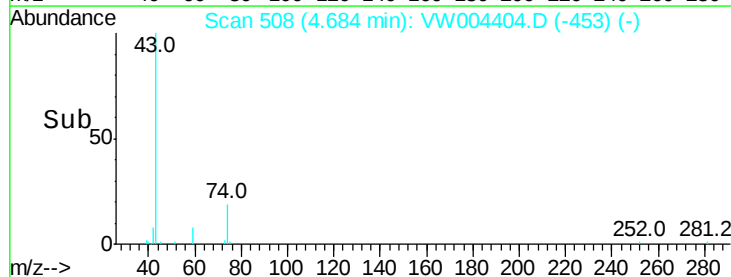
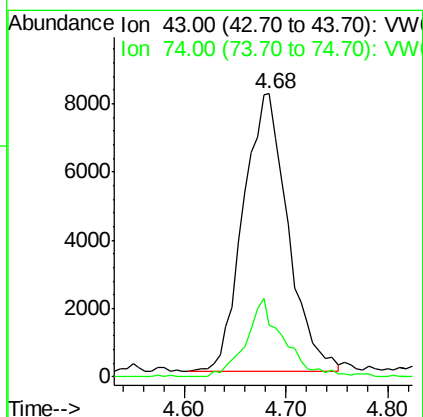
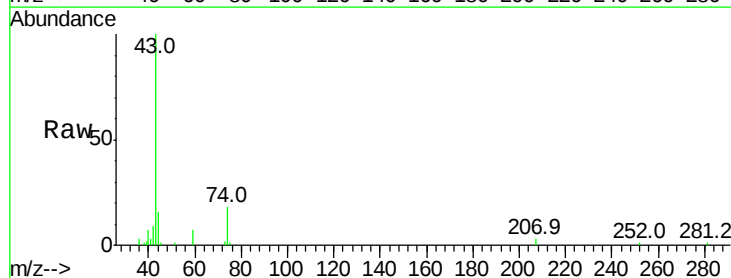
Acq: 02 Aug 2018 16:17

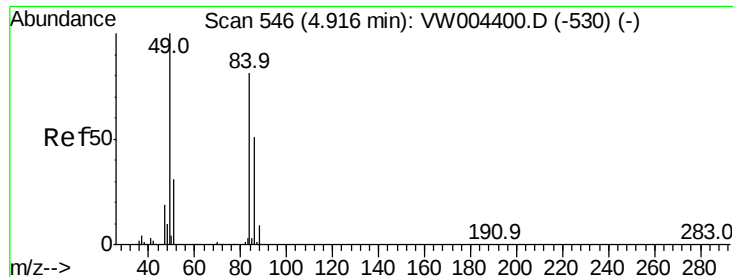
Tgt Ion: 43 Resp: 24791

Ion Ratio Lower Upper

43 100

74 22.4 18.6 28.0

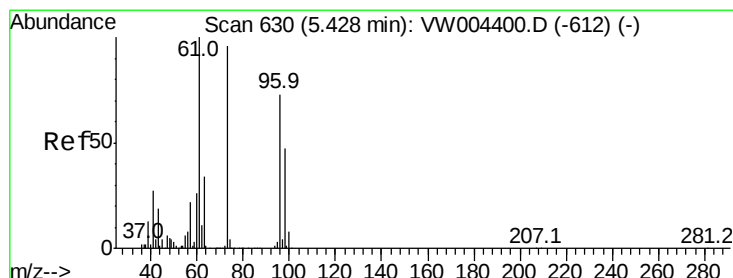
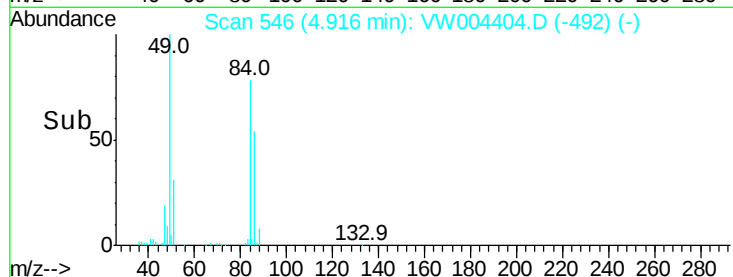
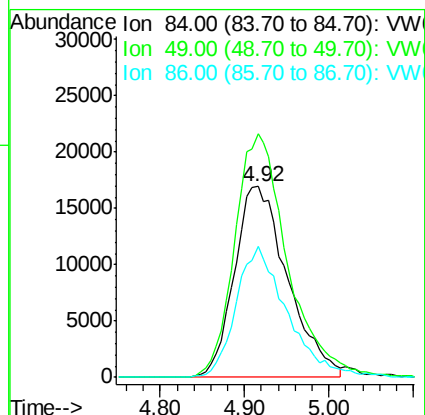
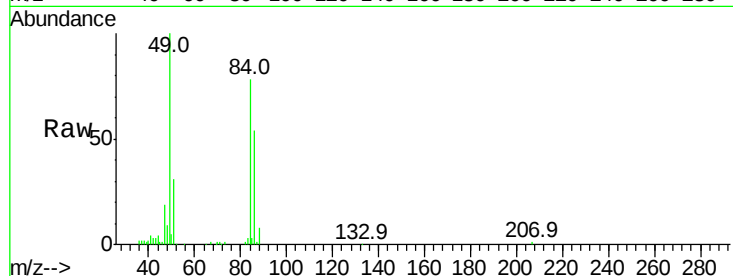




#16
Methylene chloride
Concen: 4.900 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004404.D
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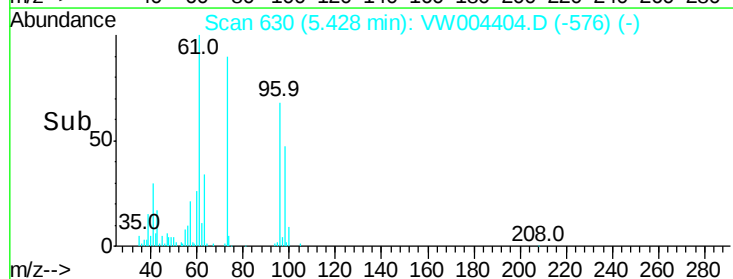
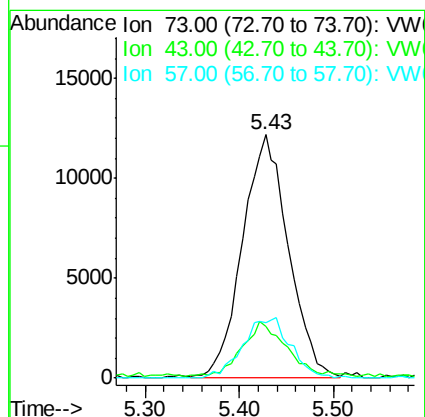
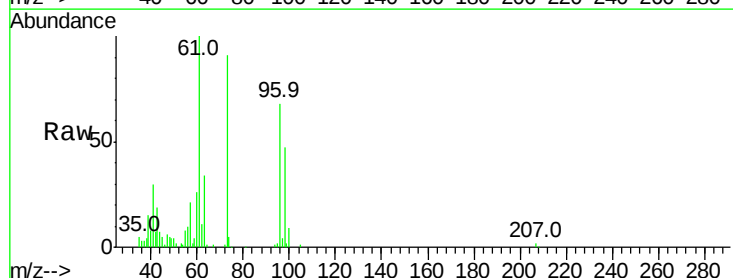
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

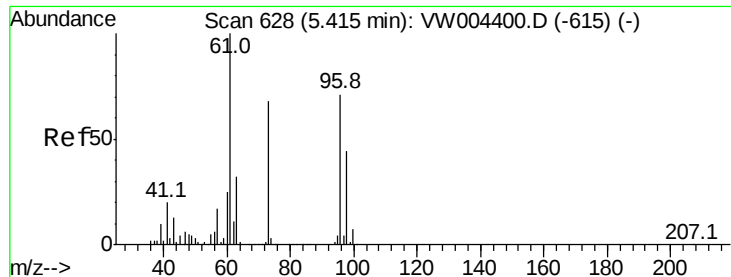
Tgt Ion: 84 Resp: 73240
Ion Ratio Lower Upper
84 100
49 127.6 86.0 159.6
86 68.3 43.5 80.9



#17
Methyl tert-butyl Ether
Concen: 2.237 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004404.D
Acq: 02 Aug 2018 16:17

Tgt Ion: 73 Resp: 41246
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2
57 13.5 18.9 28.3#





#18

trans-1,2-Dichloroethene

Concen: 2.690 ug/L

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTD2.594

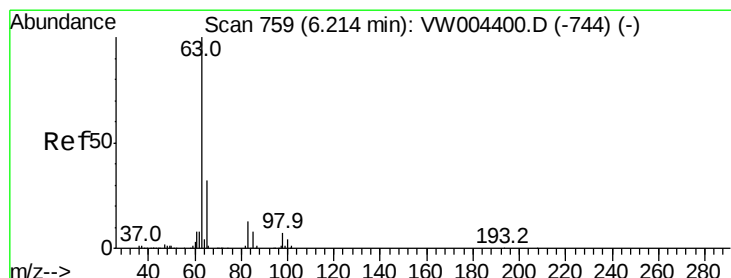
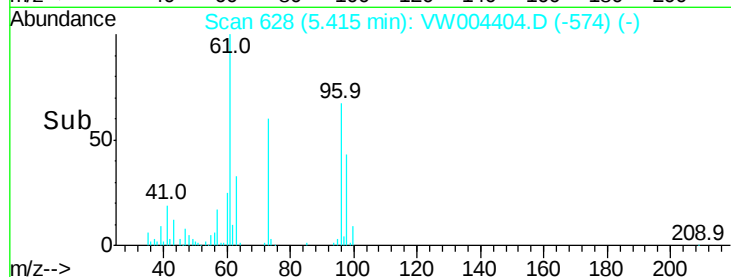
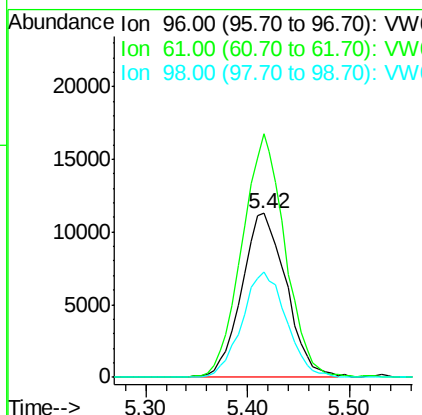
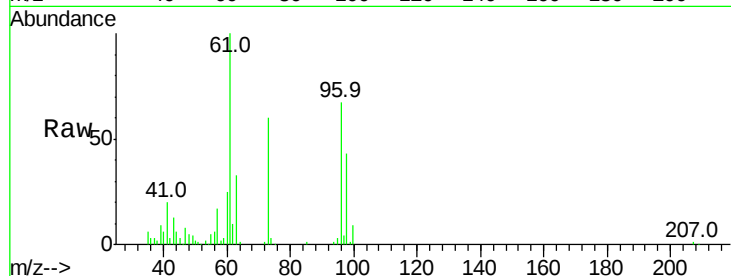
Tgt Ion: 96 Resp: 34278

Ion Ratio Lower Upper

96 100

61 148.4 97.9 181.7

98 64.1 43.0 79.8



#19

1,1-Dichloroethane

Concen: 2.984 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

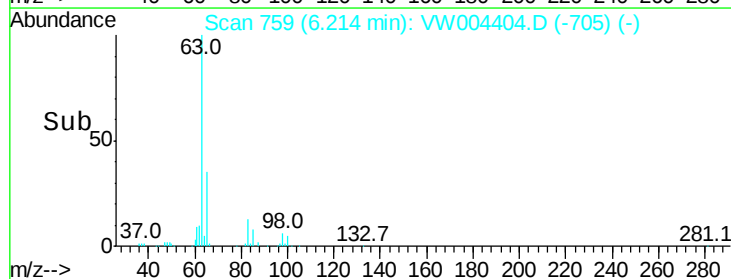
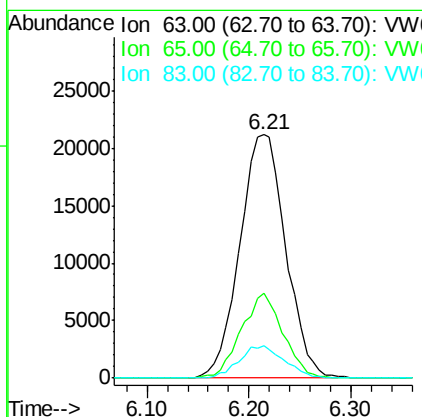
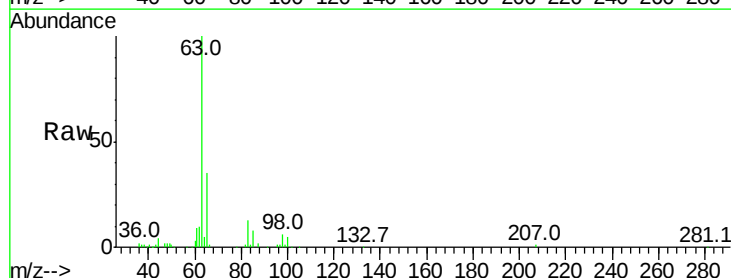
Tgt Ion: 63 Resp: 66104

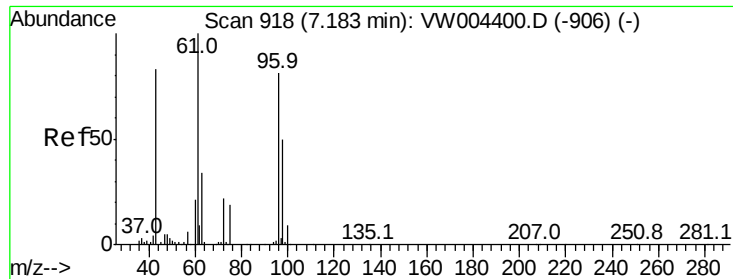
Ion Ratio Lower Upper

63 100

65 34.7 22.5 41.7

83 13.5 9.3 17.3





#21

2-Butanone

Concen: 5.757 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

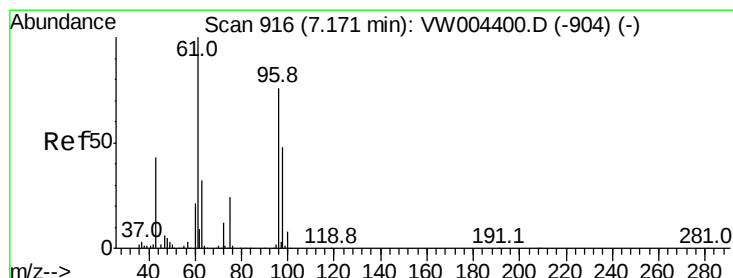
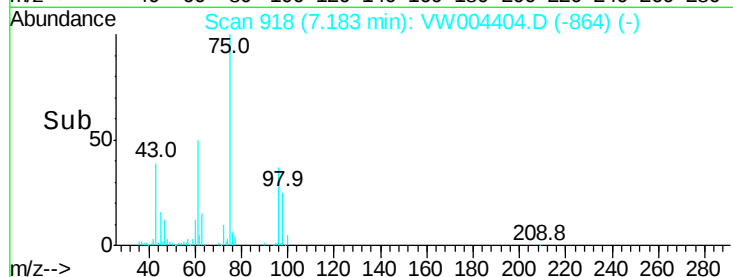
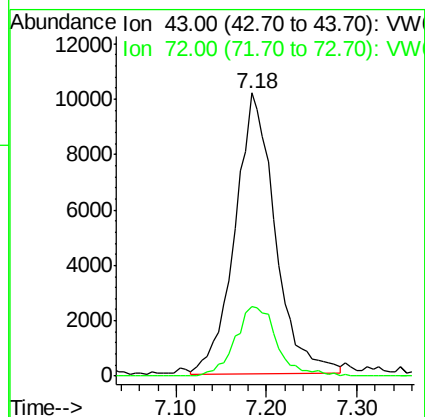
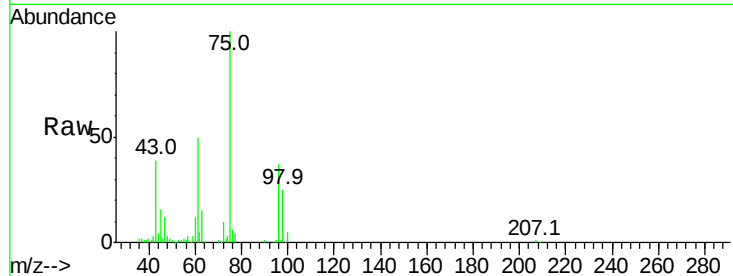
VSTD2.594

Tgt Ion: 43 Resp: 31358

Ion Ratio Lower Upper

43 100

72 24.9 13.2 39.6



#22

cis-1,2-Dichloroethene

Concen: 2.511 ug/L

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

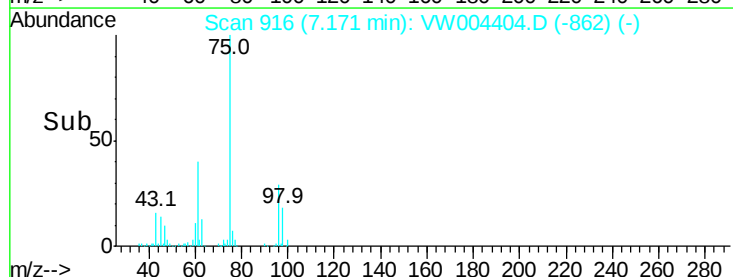
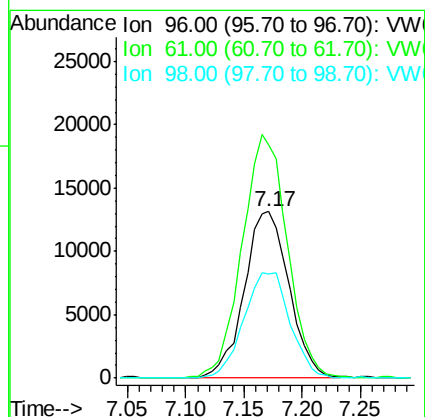
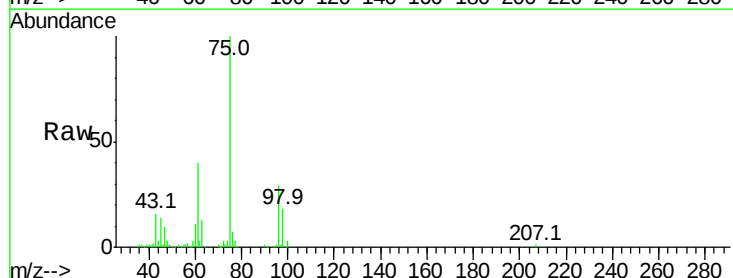
Tgt Ion: 96 Resp: 35263

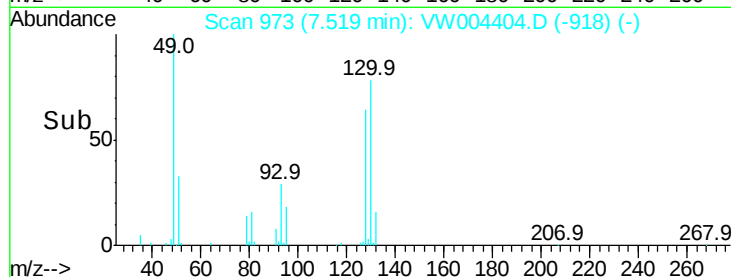
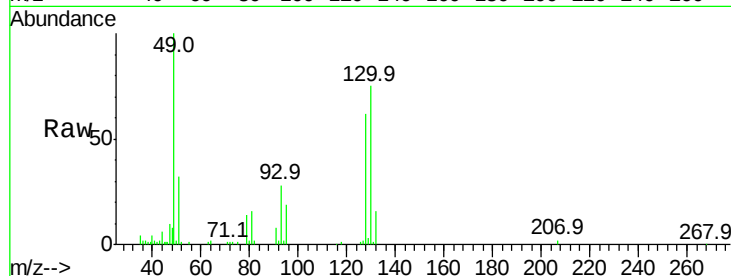
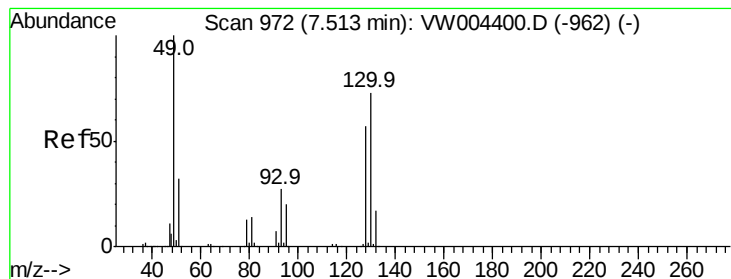
Ion Ratio Lower Upper

96 100

61 139.8 92.5 171.7

98 62.6 44.1 81.9





#23

Bromochloromethane

Concen: 2.803 ug/L

RT: 7.52 min Scan# 973

Delta R.T. 0.01 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

Tgt Ion:128 Resp: 18489

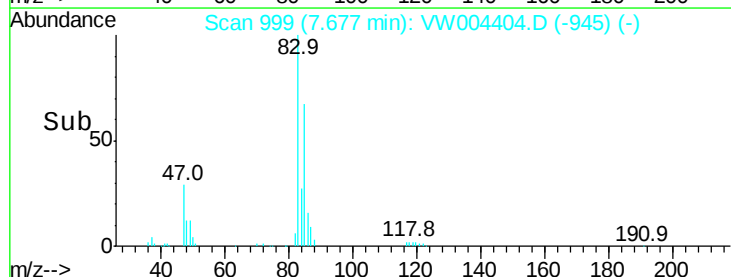
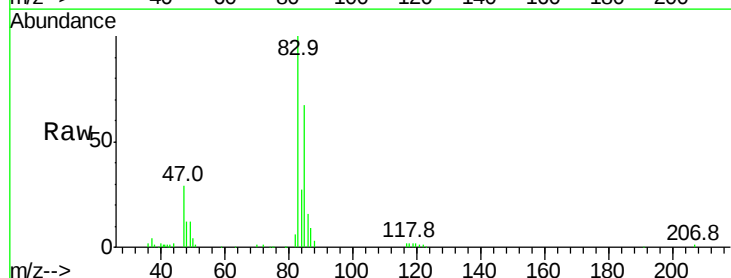
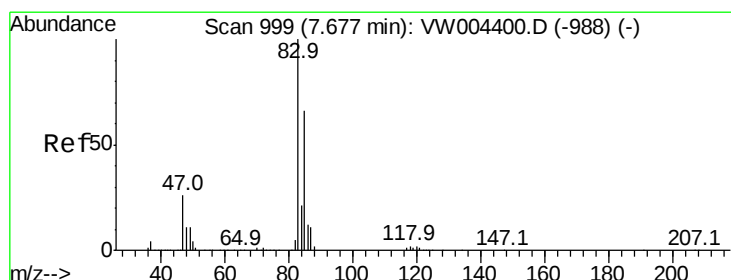
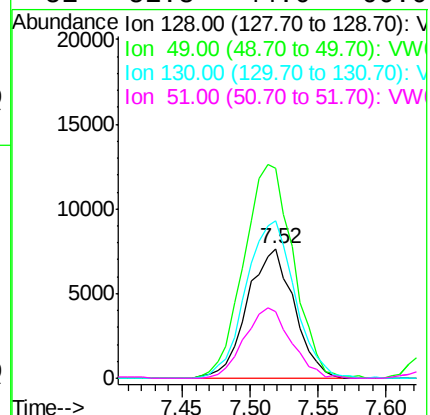
Ion Ratio Lower Upper

128 100

49 161.6 122.0 226.6

130 121.5 88.8 164.8

51 51.8 44.0 66.0



#25

Chloroform

Concen: 2.994 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004404.D

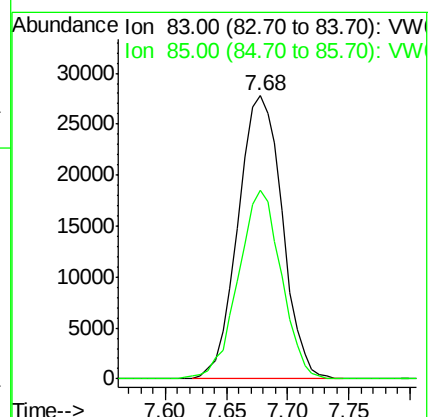
Acq: 02 Aug 2018 16:17

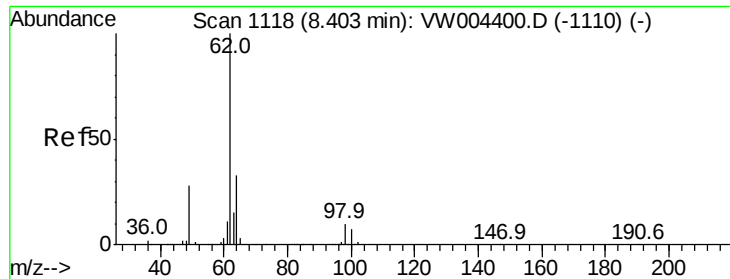
Tgt Ion: 83 Resp: 69779

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9

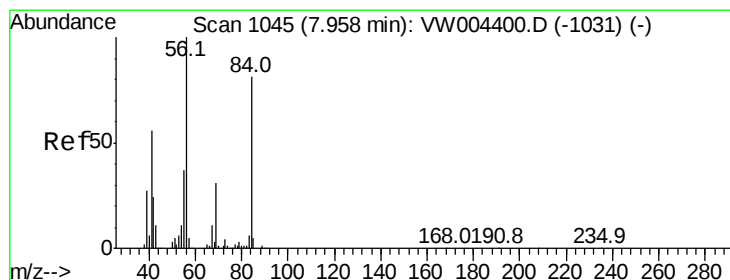
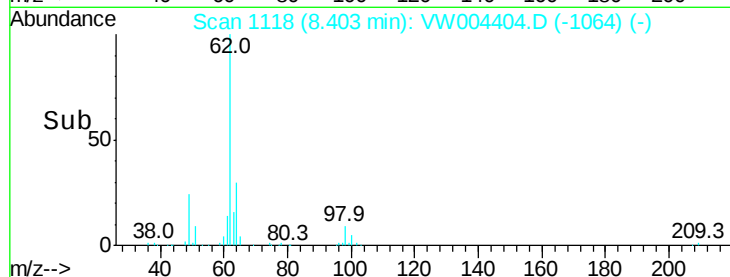
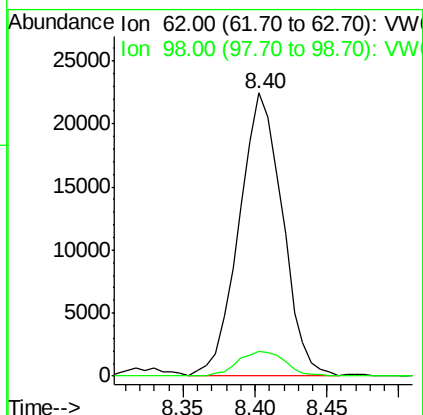
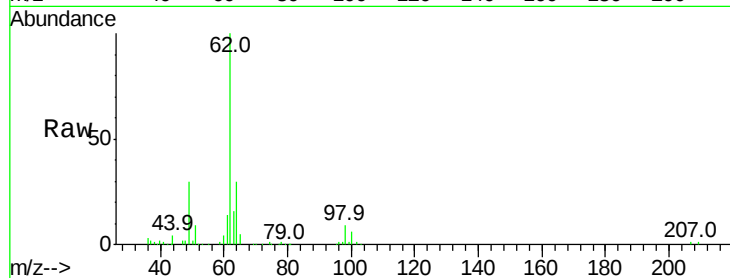




#27
 1,2-Dichloroethane
 Concen: 2.981 ug/L
 RT: 8.40 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

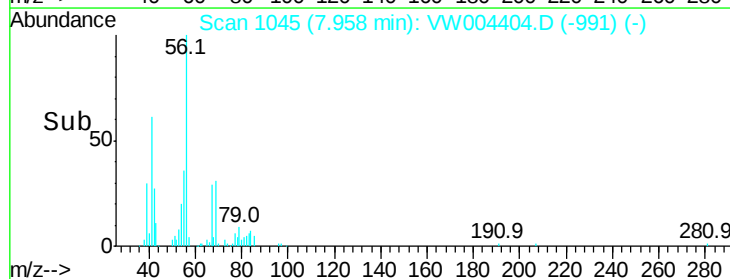
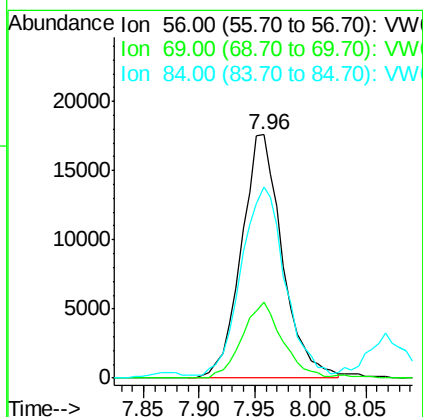
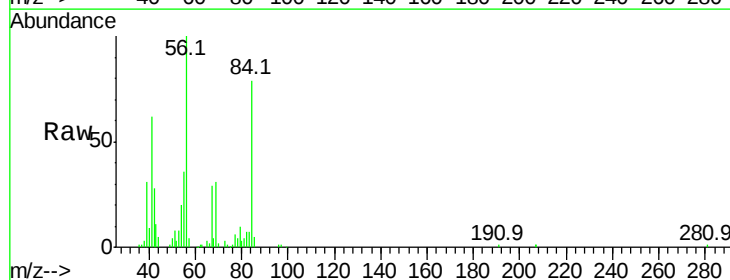
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

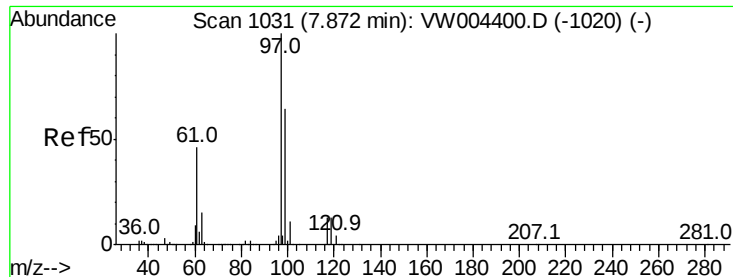
Tgt Ion: 62 Resp: 46937
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.6 11.4



#30
 Cyclohexane
 Concen: 2.016 ug/L
 RT: 7.96 min Scan# 1045
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

Tgt Ion: 56 Resp: 45025
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.0 36.0
 84 85.4 66.7 100.1





#31

1,1,1-Trichloroethane

Concen: 2.470 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

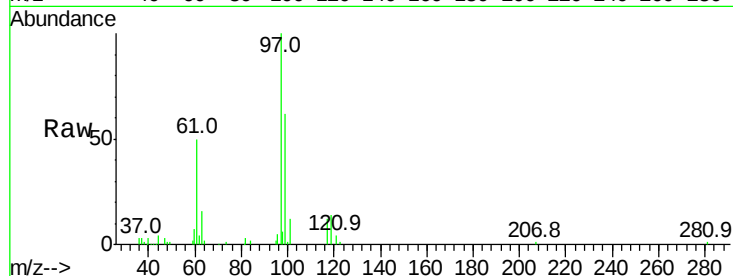
Tgt Ion: 97 Resp: 51201

Ion Ratio Lower Upper

97 100

99 62.0 51.8 77.6

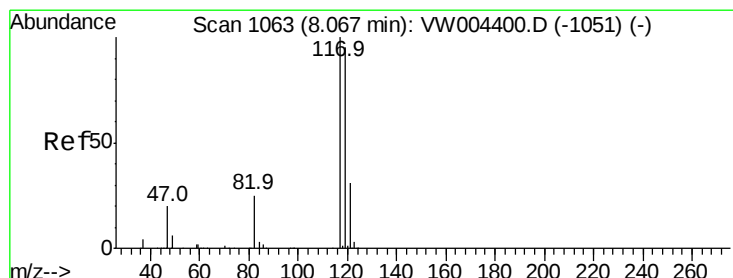
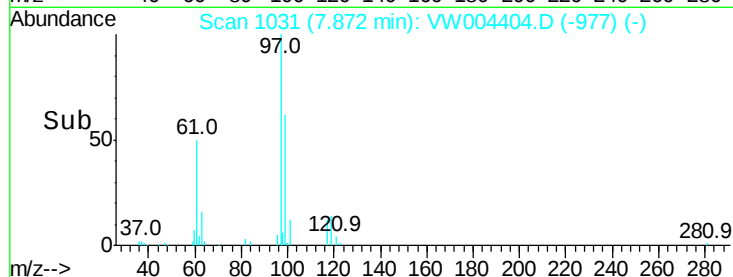
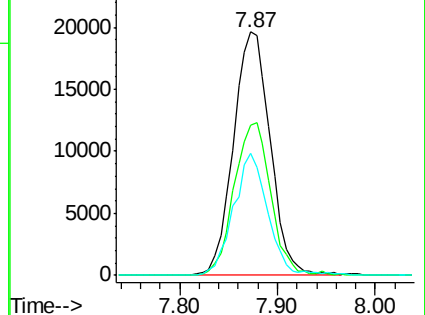
61 45.9 37.3 55.9



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.397 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004404.D

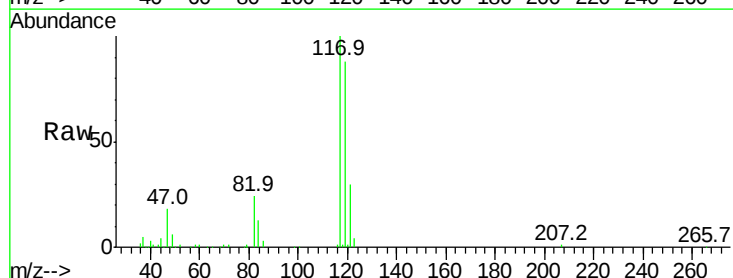
Acq: 02 Aug 2018 16:17

Tgt Ion: 117 Resp: 48387

Ion Ratio Lower Upper

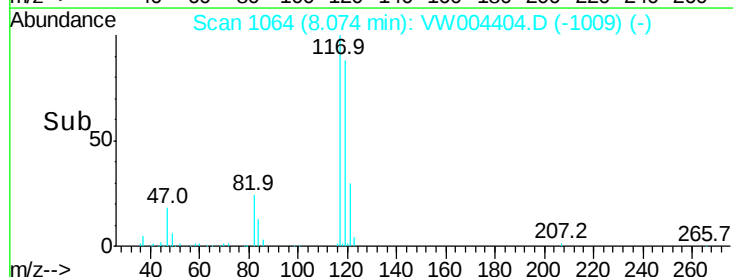
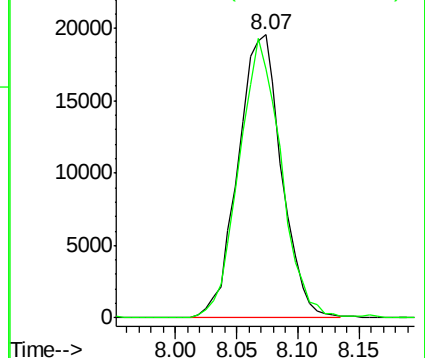
117 100

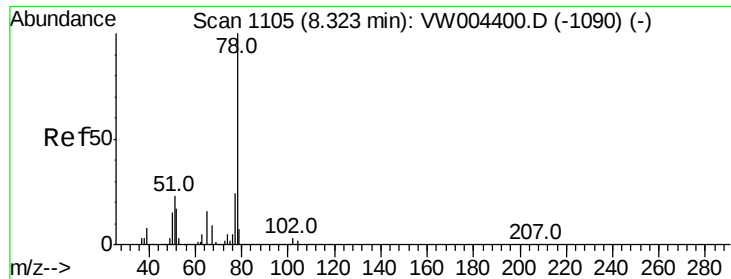
119 95.5 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.582 ug/L

RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

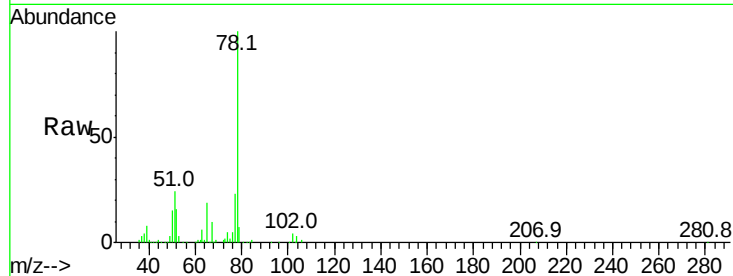
Instrument :

MSVOA_W

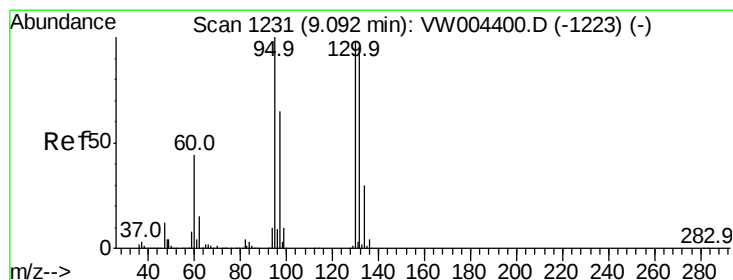
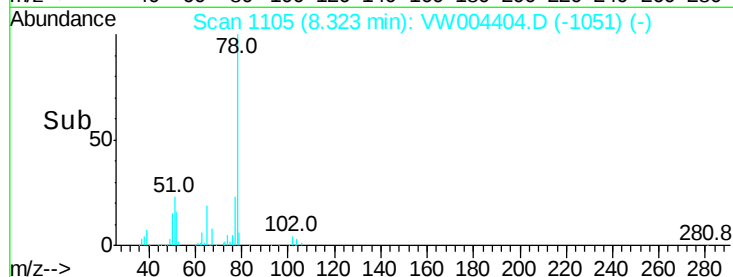
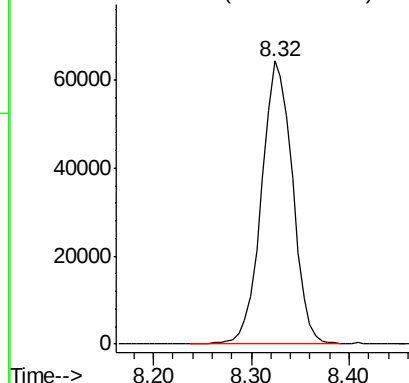
ClientSampleId :

VSTD2.594

Tgt Ion: 78 Resp: 141598



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.457 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Tgt Ion: 95 Resp: 36070

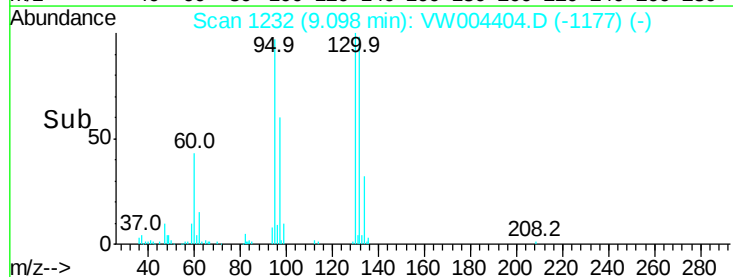
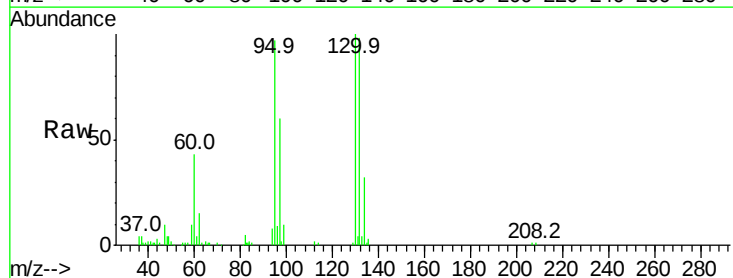
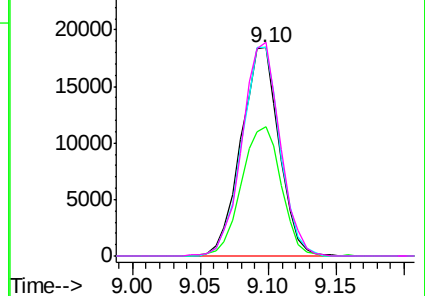
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.9	83.5
132	99.9	67.6	125.6
130	102.3	69.1	128.3

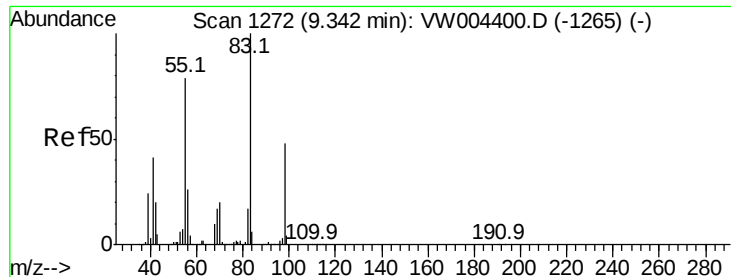
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

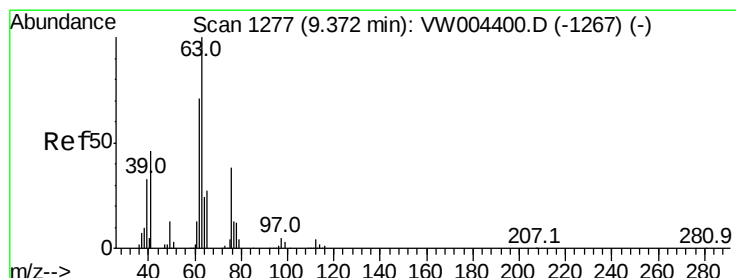
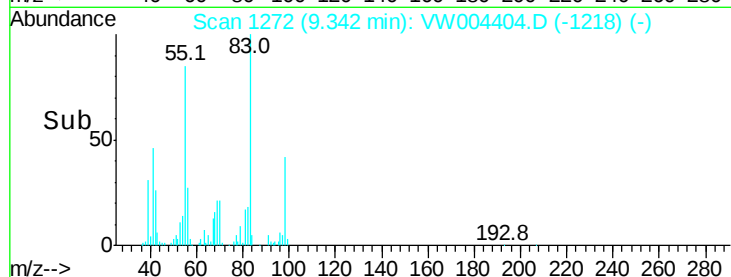
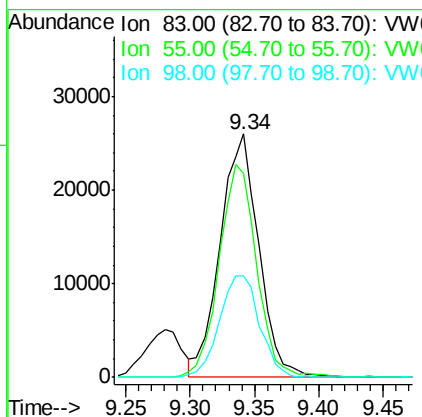
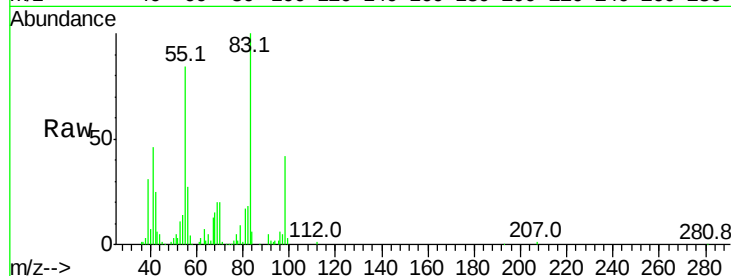




#36
Methylcyclohexane
Concen: 2.078 ug/L
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW004404.D
Acq: 02 Aug 2018 16:17

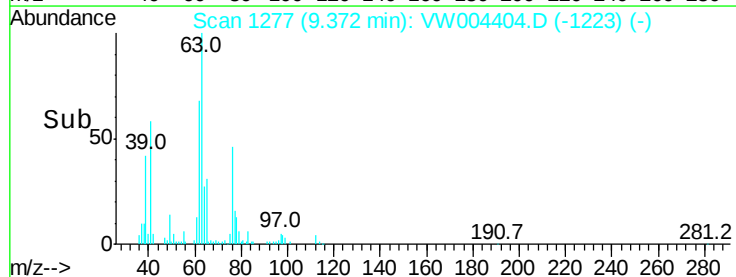
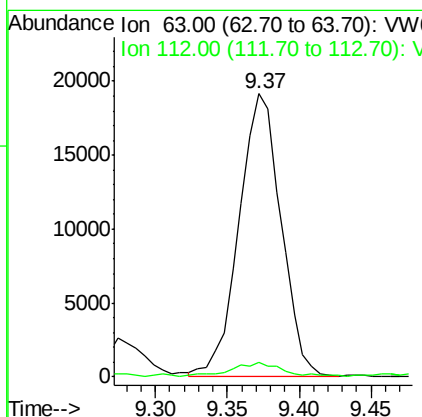
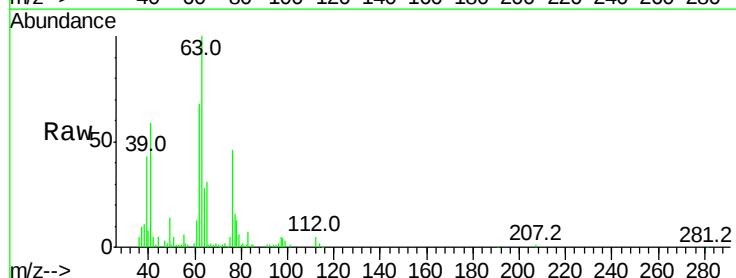
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

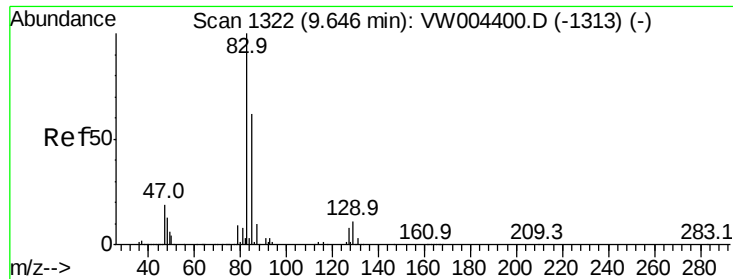
Tgt Ion: 83 Resp: 54400
Ion Ratio Lower Upper
83 100
55 85.5 62.8 94.2
98 43.5 36.6 54.8



#40
1,2-Dichloropropane
Concen: 2.826 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VW004404.D
Acq: 02 Aug 2018 16:17

Tgt Ion: 63 Resp: 38869
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.6





#41

Bromodichloromethane

Concen: 2.637 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

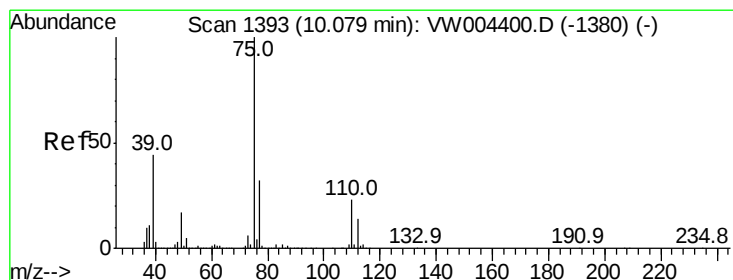
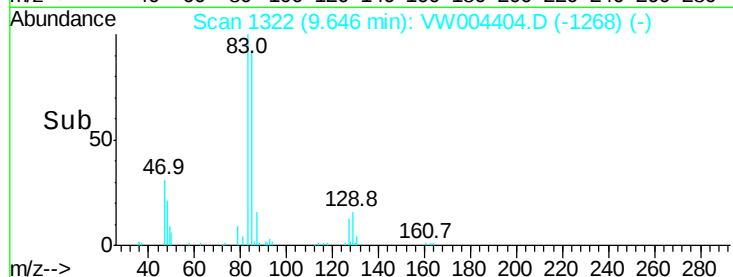
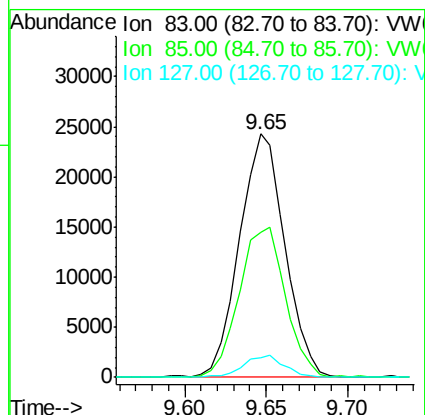
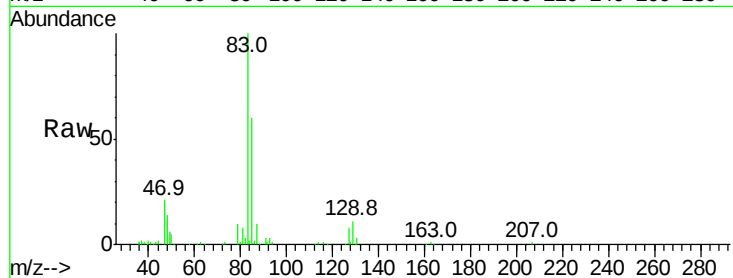
Tgt Ion: 83 Resp: 46930

Ion Ratio Lower Upper

83 100

85 59.8 43.7 81.1

127 8.1 6.6 10.0



#42

cis-1,3-Dichloropropene

Concen: 2.157 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004404.D

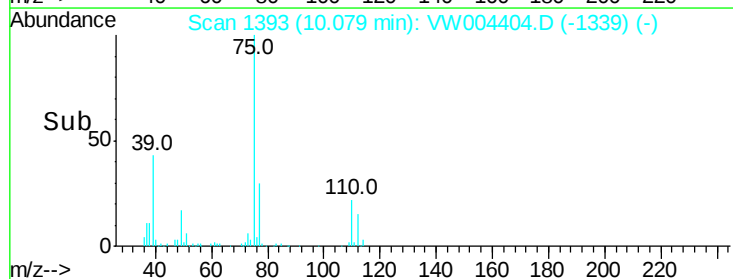
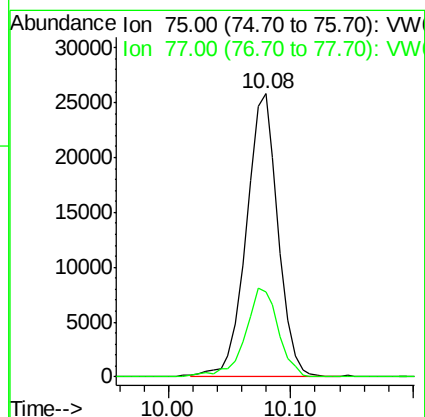
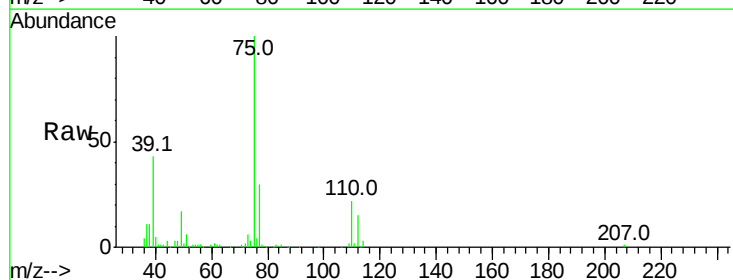
Acq: 02 Aug 2018 16:17

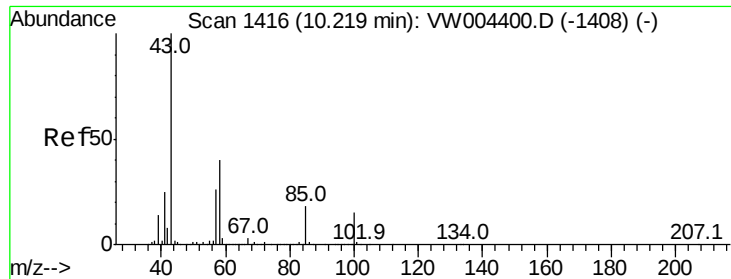
Tgt Ion: 75 Resp: 46531

Ion Ratio Lower Upper

75 100

77 30.0 22.5 41.7

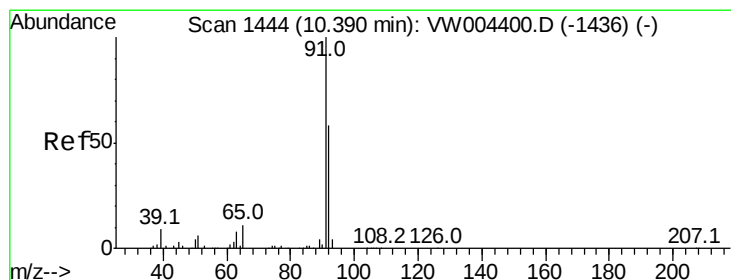
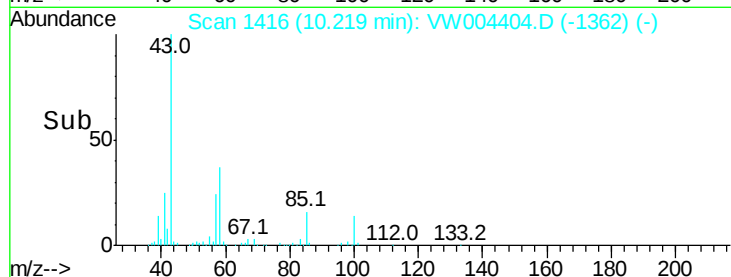
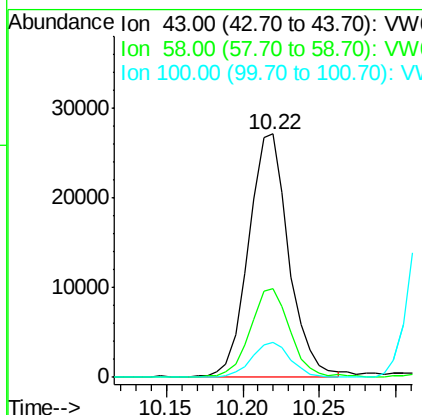
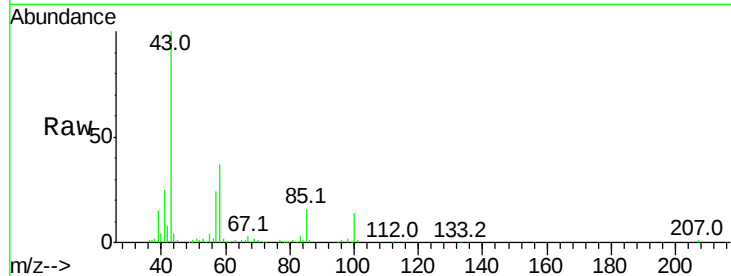




#43
 4-Methyl-2-pentanone
 Concen: 4.472 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

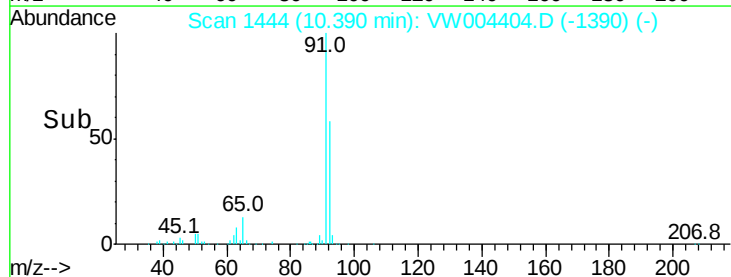
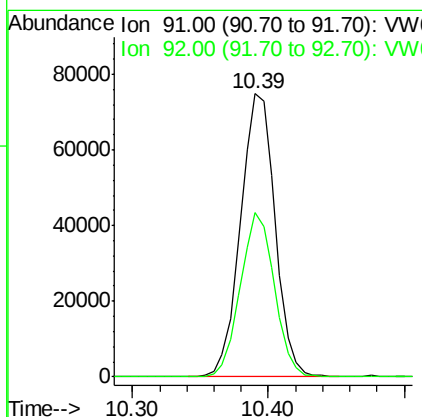
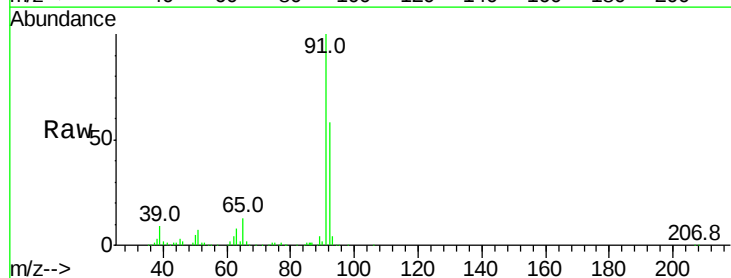
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

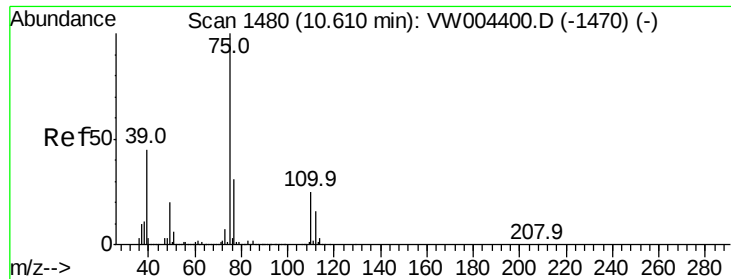
Tgt Ion: 43 Resp: 49800
 Ion Ratio Lower Upper
 43 100
 58 35.8 31.5 47.3
 100 13.9 11.7 17.5



#44
 Toluene
 Concen: 2.255 ug/L
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

Tgt Ion: 91 Resp: 132976
 Ion Ratio Lower Upper
 91 100
 92 58.1 40.8 75.8





#45

trans-1,3-Dichloropropene

Concen: 2.145 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

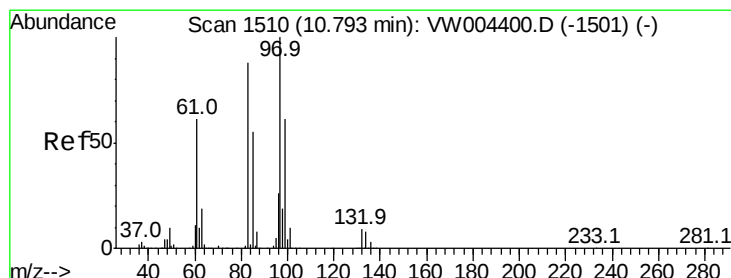
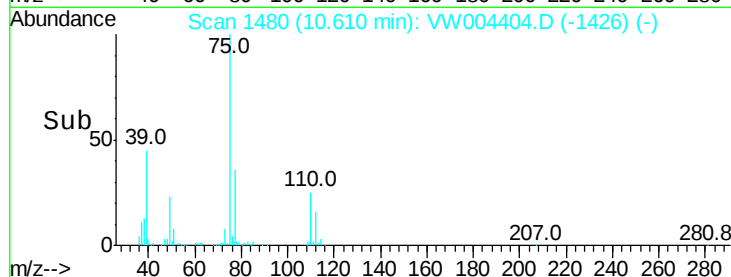
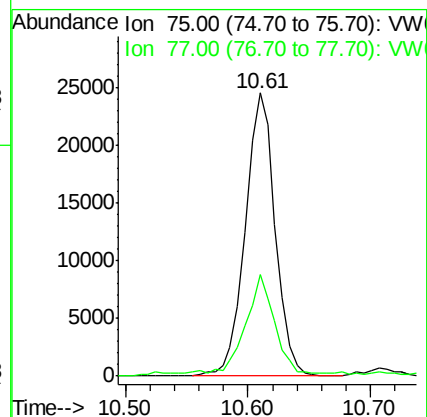
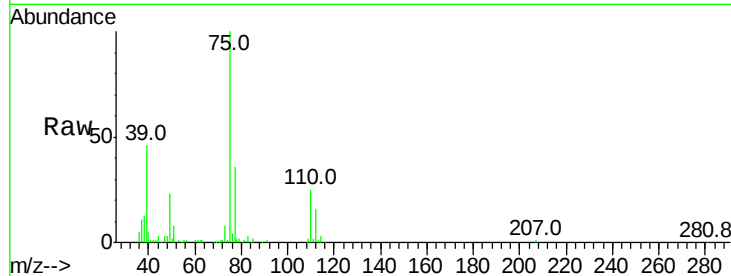
VSTD2.594

Tgt Ion: 75 Resp: 41559

Ion Ratio Lower Upper

75 100

77 35.9 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 2.684 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Tgt Ion: 97 Resp: 30442

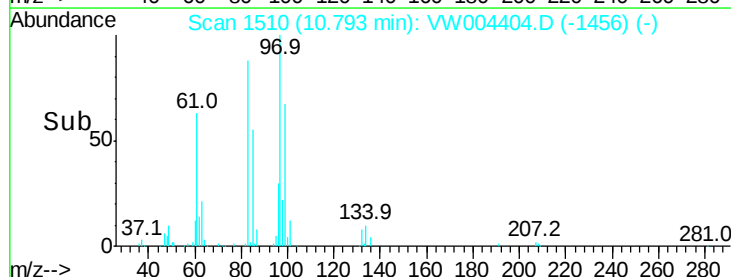
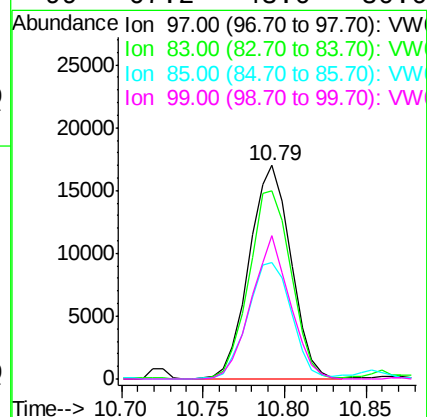
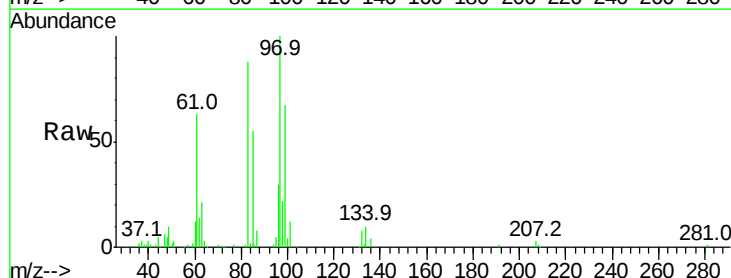
Ion Ratio Lower Upper

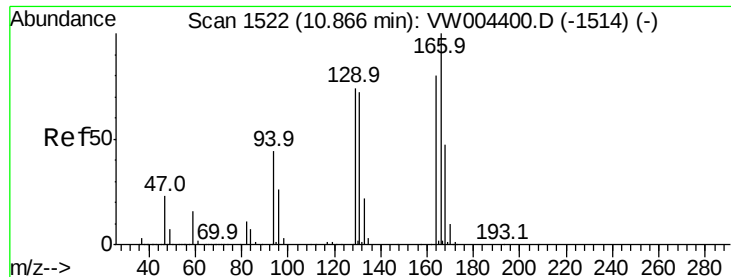
97 100

83 88.0 61.8 114.8

85 54.8 38.8 72.0

99 67.2 43.0 80.0





#47

Tetrachloroethene

Concen: 2.317 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

Tgt Ion:164 Resp: 29198

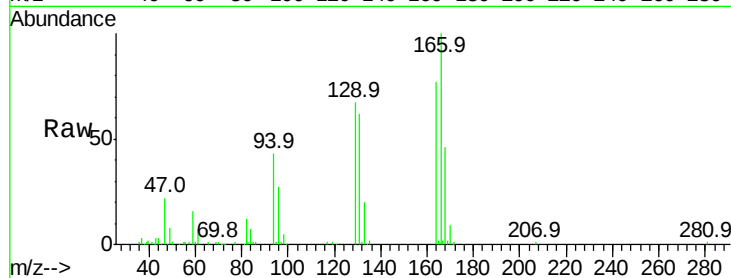
Ion Ratio Lower Upper

164 100

129 87.5 65.4 121.4

131 80.3 63.8 118.6

166 130.3 88.1 163.5

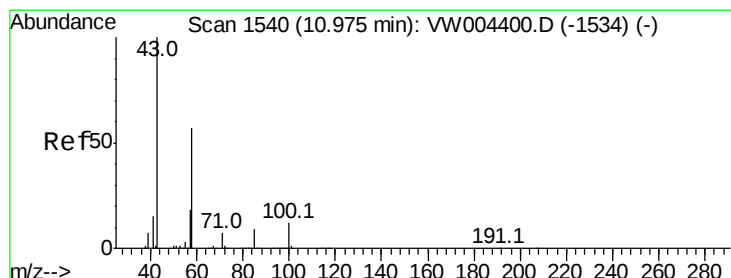
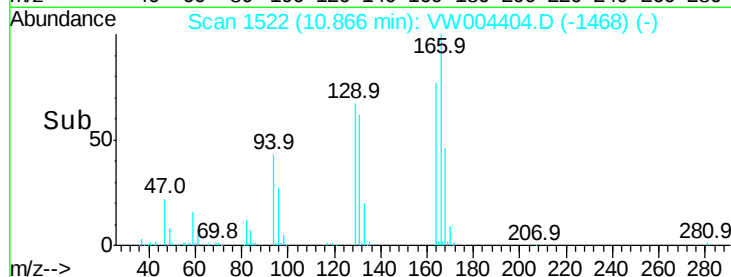
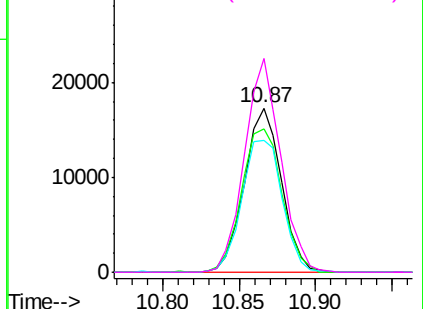


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.362 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Tgt Ion: 43 Resp: 36103

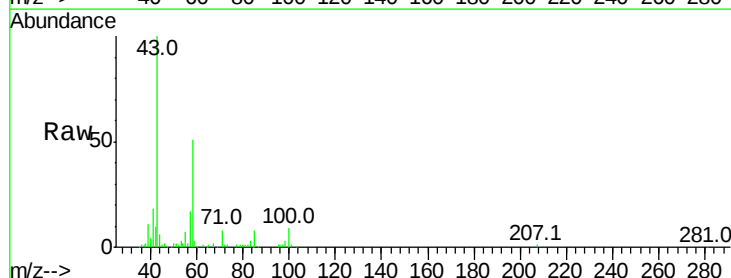
Ion Ratio Lower Upper

43 100

58 47.5 43.4 65.0

57 16.9 15.0 22.6

100 11.4 8.9 13.3

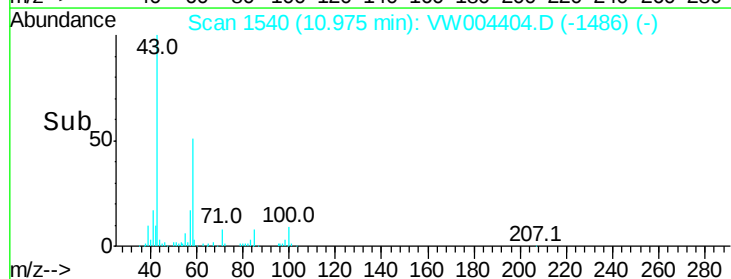
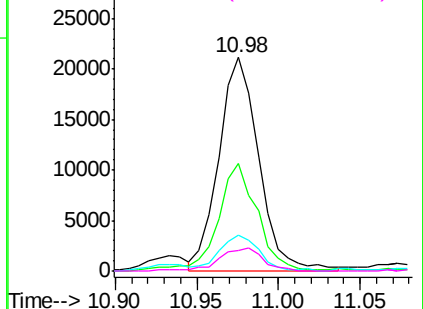


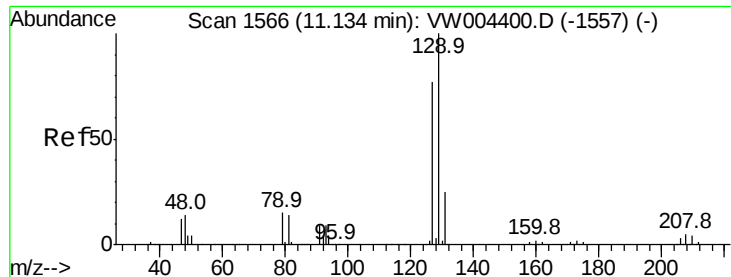
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 2.354 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

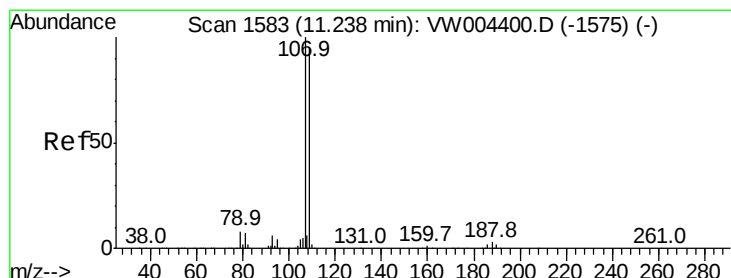
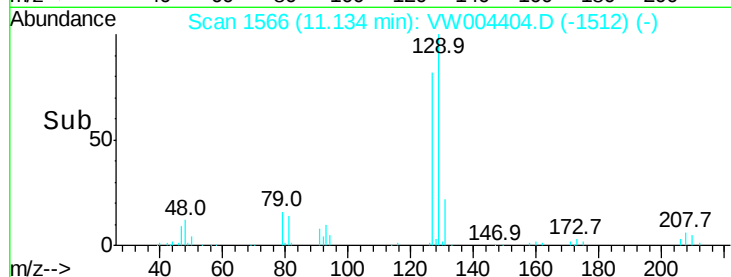
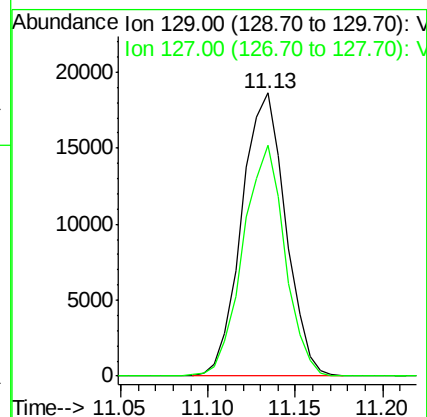
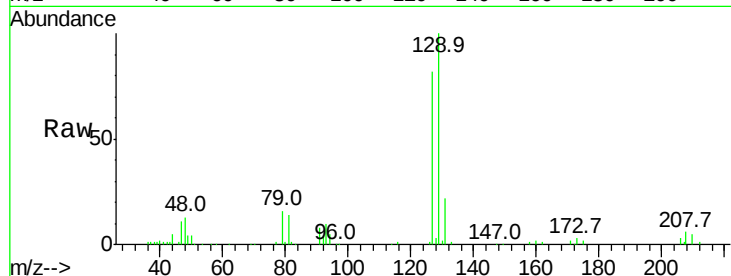
VSTD2.594

Tgt Ion:129 Resp: 32533

Ion Ratio Lower Upper

129 100

127 81.8 54.1 100.5



#51

1,2-Dibromoethane

Concen: 2.549 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

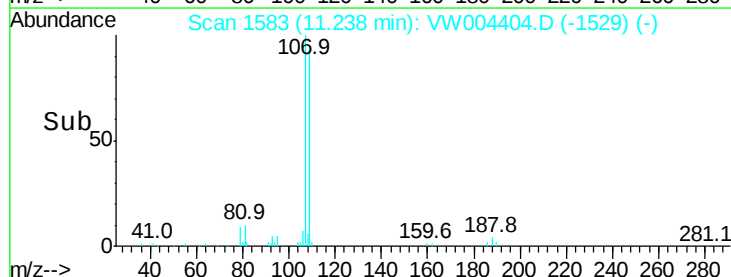
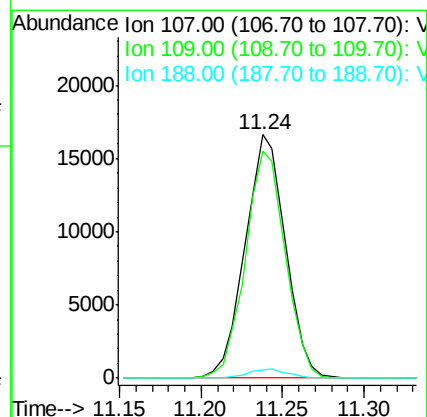
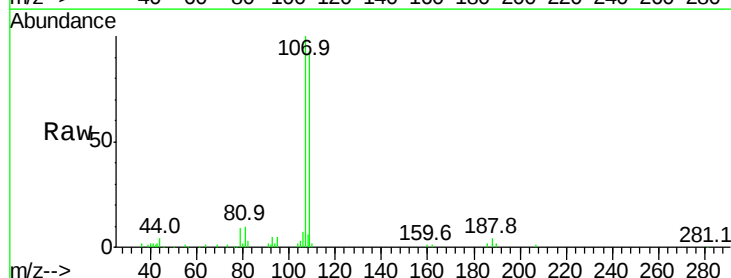
Tgt Ion:107 Resp: 28655

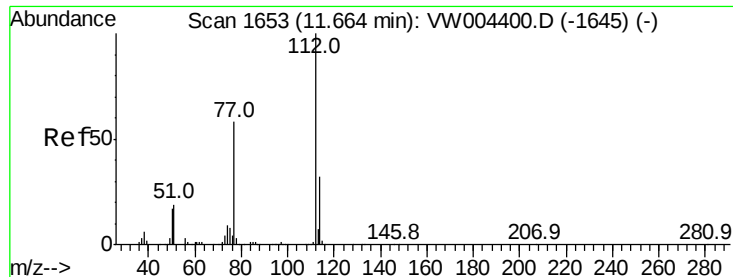
Ion Ratio Lower Upper

107 100

109 93.2 66.8 124.2

188 3.5 2.6 3.8





#52

Chlorobenzene

Concen: 2.556 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

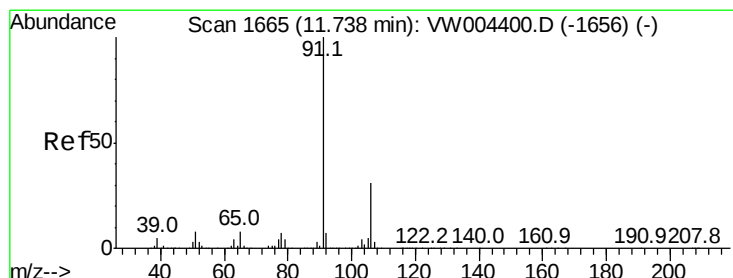
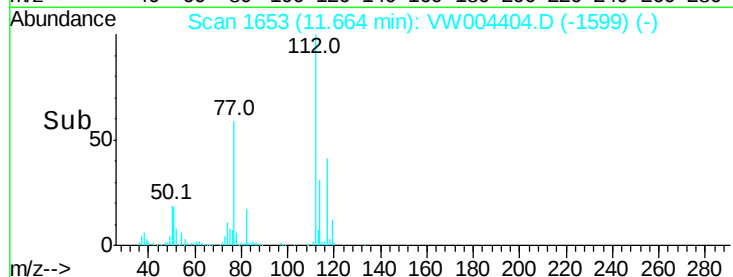
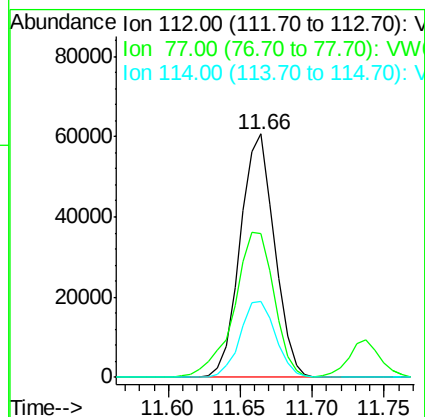
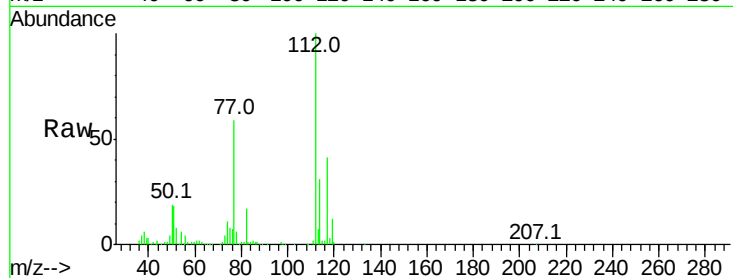
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

Tgt Ion:	112	Resp:	100337
Ion	Ratio	Lower	Upper
112	100		
77	59.3	46.5	69.7
114	31.2	22.0	41.0



#53

Ethylbenzene

Concen: 2.205 ug/L

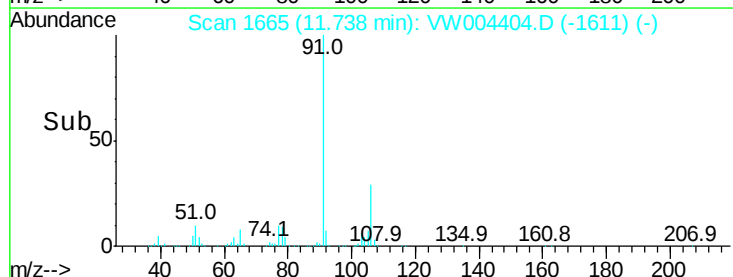
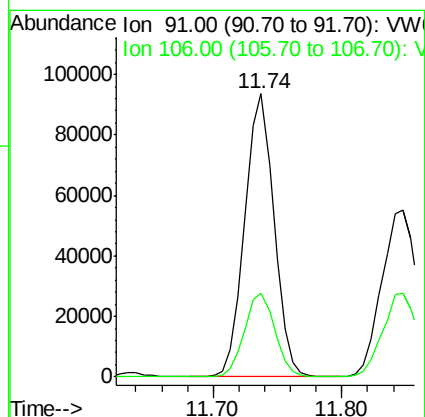
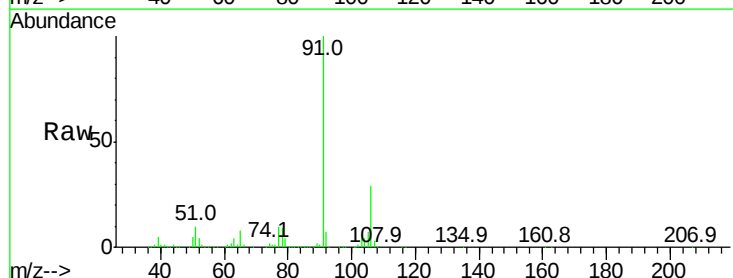
RT: 11.74 min Scan# 1665

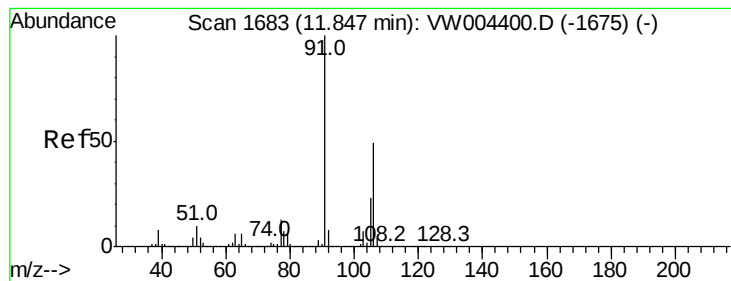
Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Tgt Ion:	91	Resp:	147107
Ion	Ratio	Lower	Upper
91	100		
106	29.5	21.6	40.0





#54

m,p-Xylene

Concen: 2.065 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

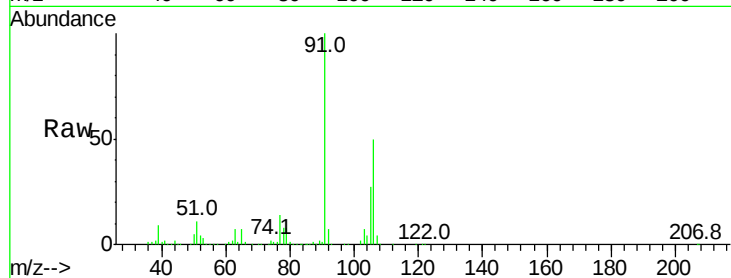
VSTD2.594

Tgt Ion:106 Resp: 52119

Ion Ratio Lower Upper

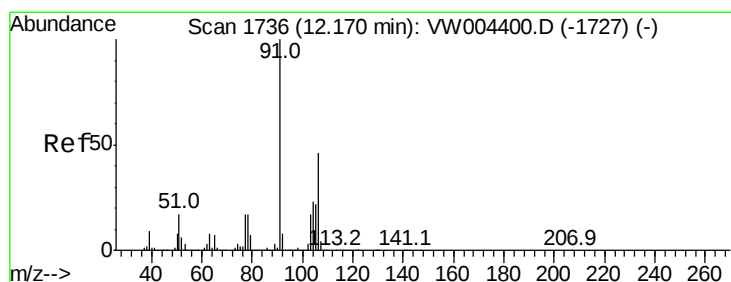
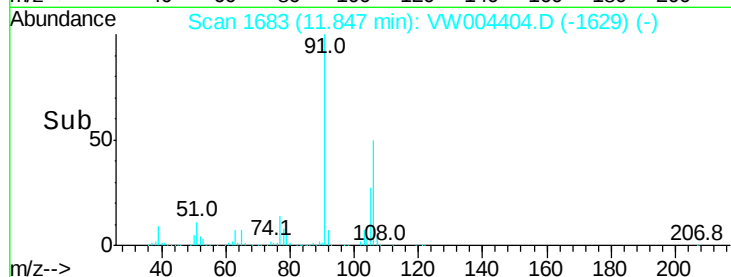
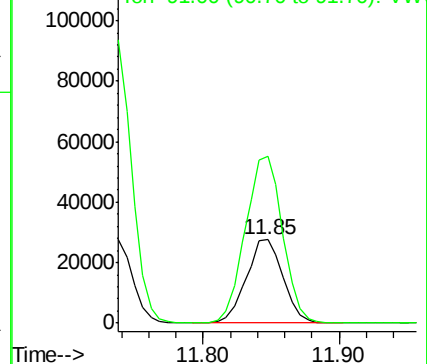
106 100

91 200.2 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.003 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004404.D

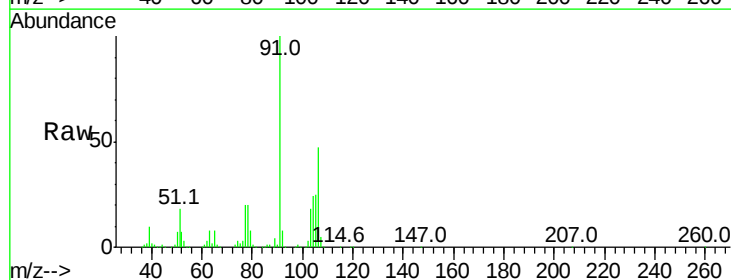
Acq: 02 Aug 2018 16:17

Tgt Ion:106 Resp: 47745

Ion Ratio Lower Upper

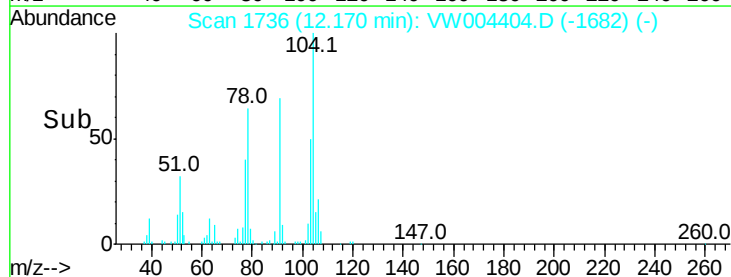
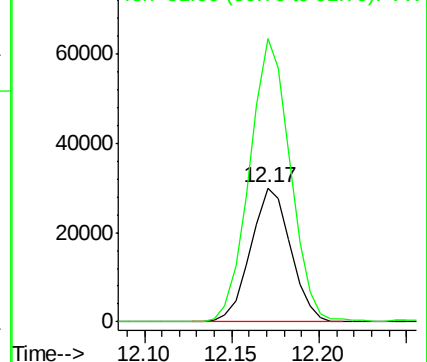
106 100

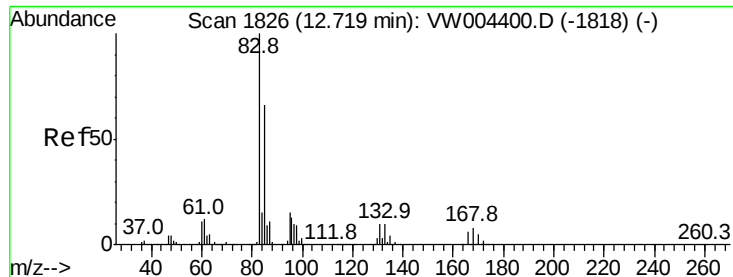
91 211.9 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.843 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

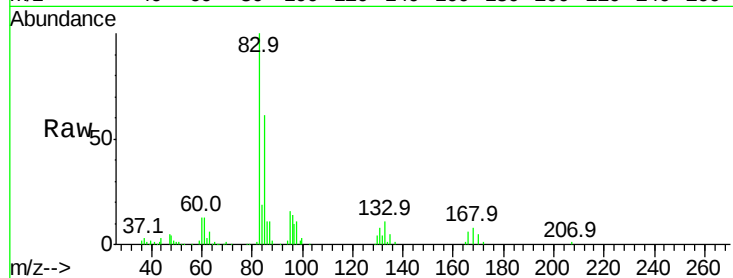
Tgt Ion: 83 Resp: 44271

Ion Ratio Lower Upper

83 100

85 61.3 46.1 85.5

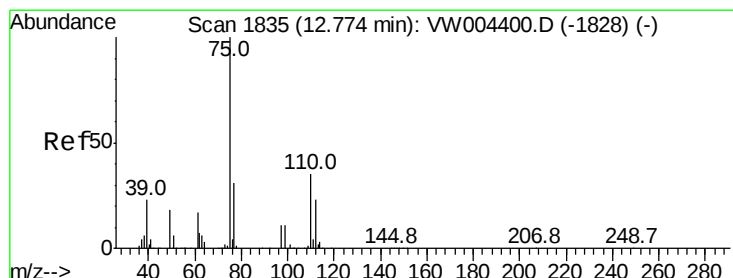
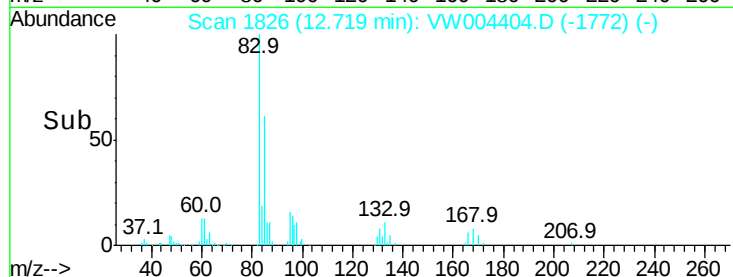
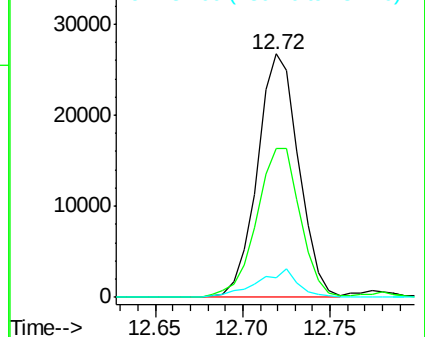
131 8.2 8.1 12.1



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): VW



#59

1,2,3-Trichloropropane

Concen: 2.698 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004404.D

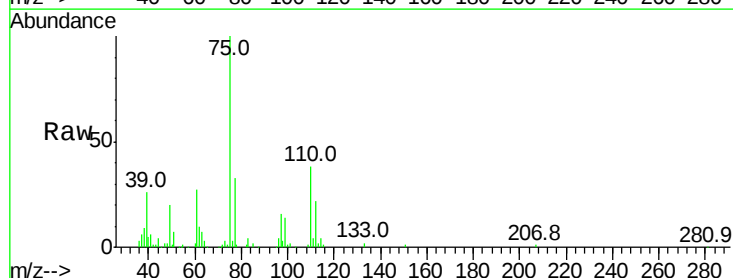
Acq: 02 Aug 2018 16:17

Tgt Ion: 75 Resp: 32351

Ion Ratio Lower Upper

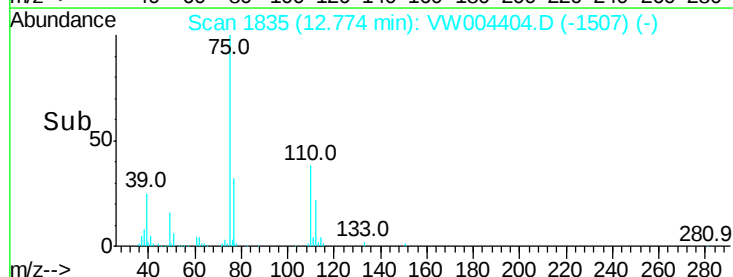
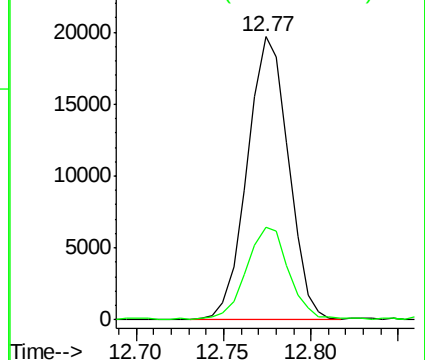
75 100

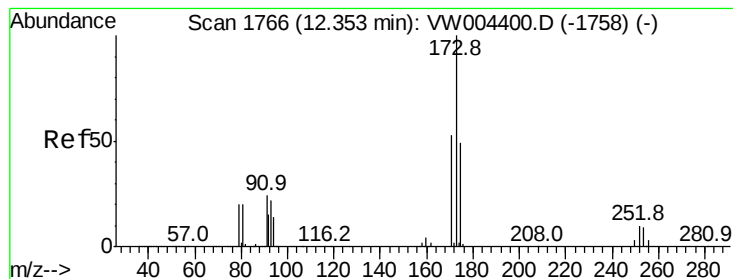
77 32.4 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 2.494 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

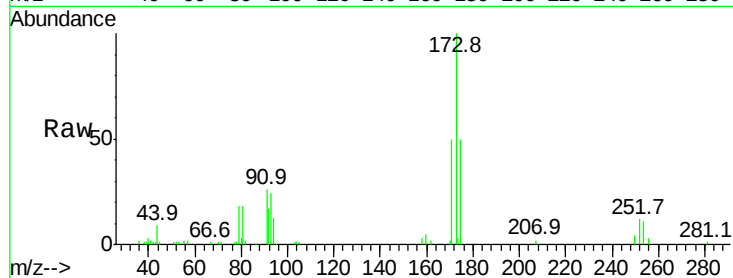
Tgt Ion:173 Resp: 20884

Ion Ratio Lower Upper

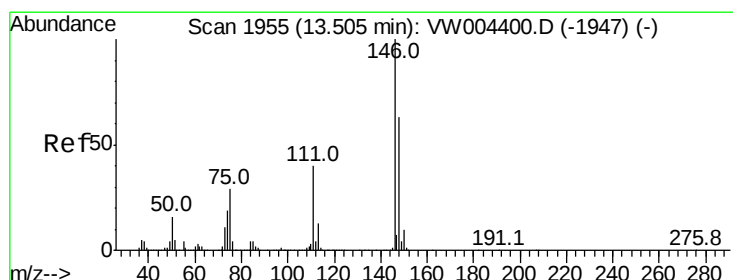
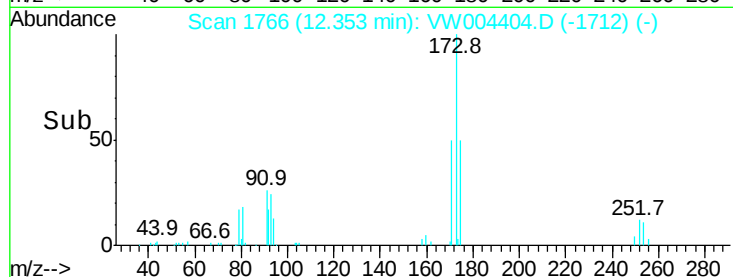
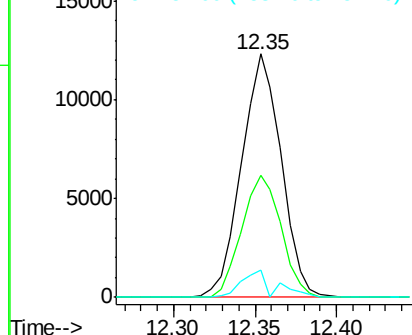
173 100

175 49.5 39.0 58.4

254 6.3 8.1 12.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.428 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

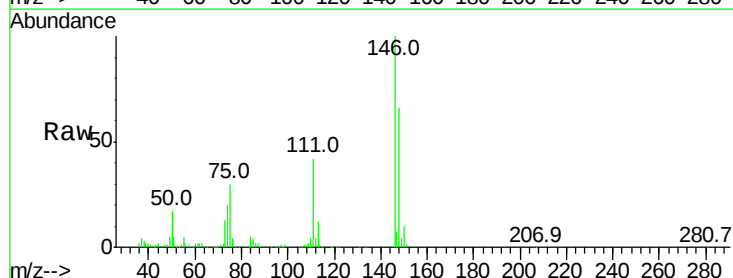
Tgt Ion:146 Resp: 70315

Ion Ratio Lower Upper

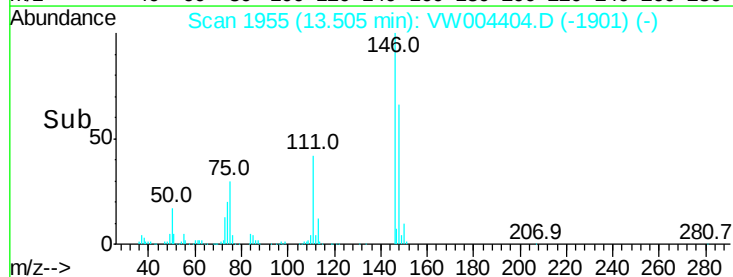
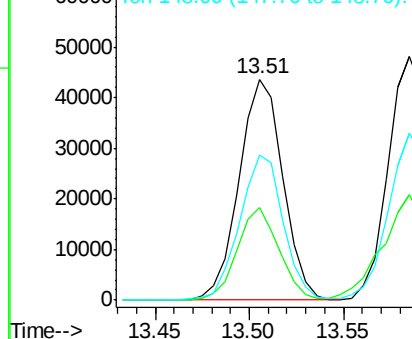
146 100

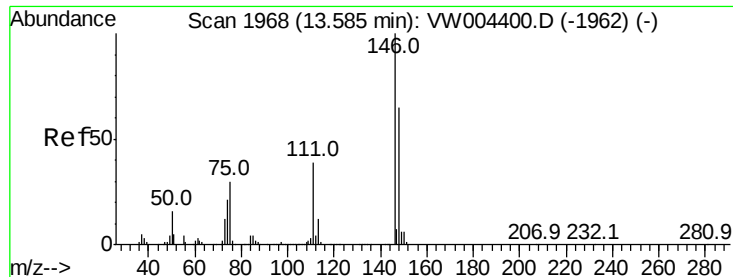
111 41.8 27.7 51.5

148 65.5 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.635 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTD2.594

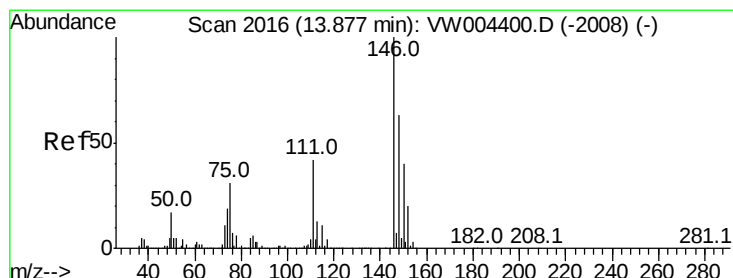
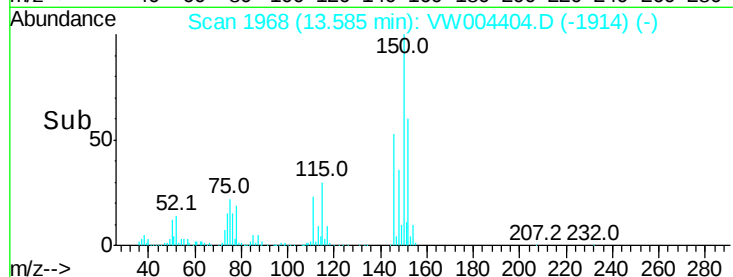
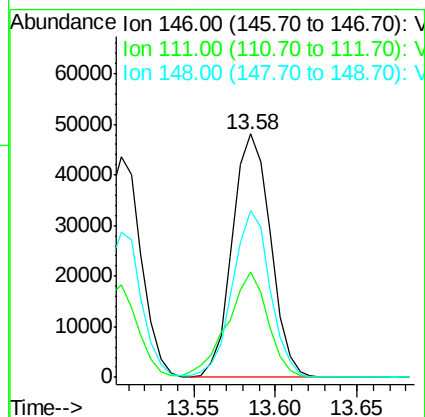
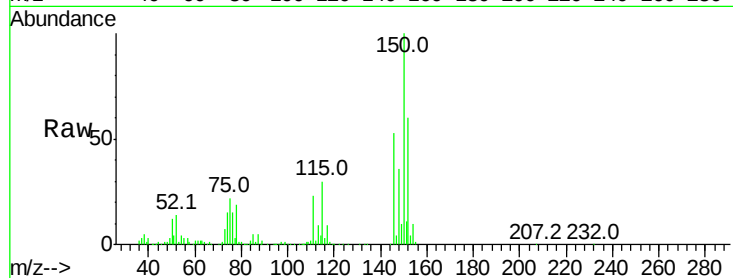
Tgt Ion:146 Resp: 78500

Ion Ratio Lower Upper

146 100

111 43.2 27.7 51.5

148 68.3 45.5 84.5



#65

1,2-Dichlorobenzene

Concen: 2.632 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004404.D

Acq: 02 Aug 2018 16:17

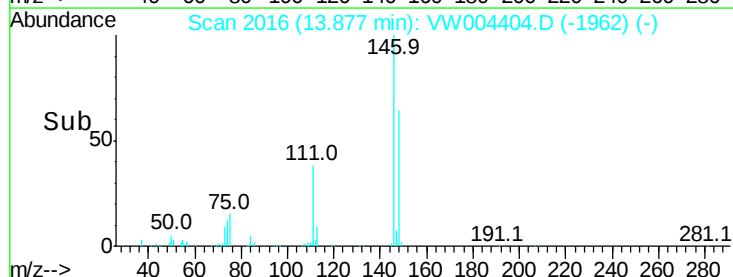
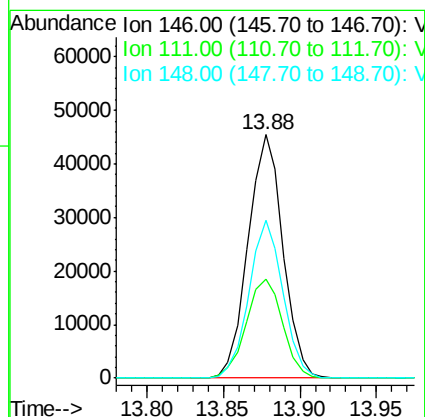
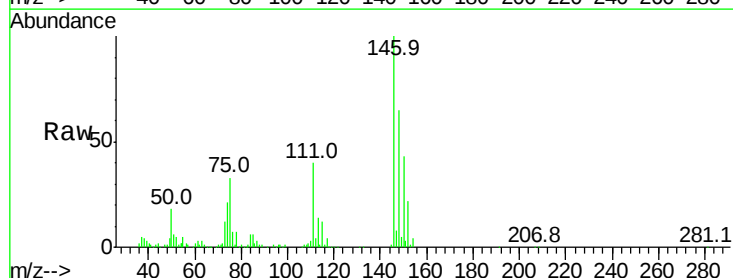
Tgt Ion:146 Resp: 72041

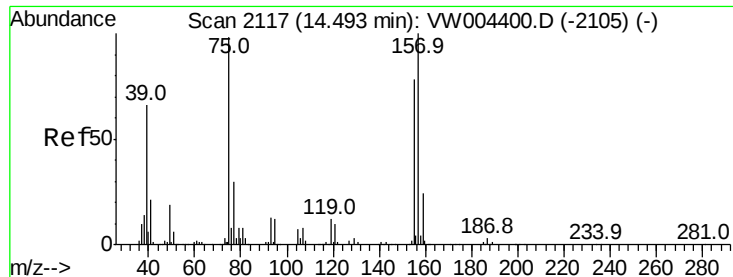
Ion Ratio Lower Upper

146 100

111 40.5 33.4 50.2

148 64.6 50.8 76.2

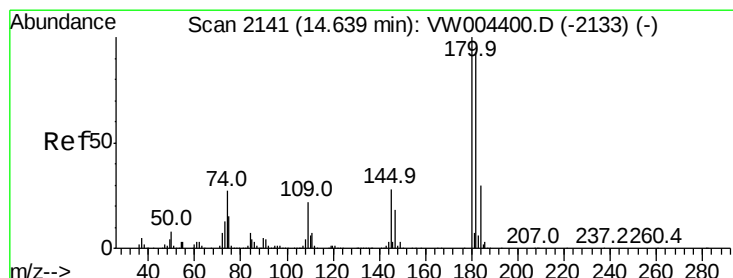
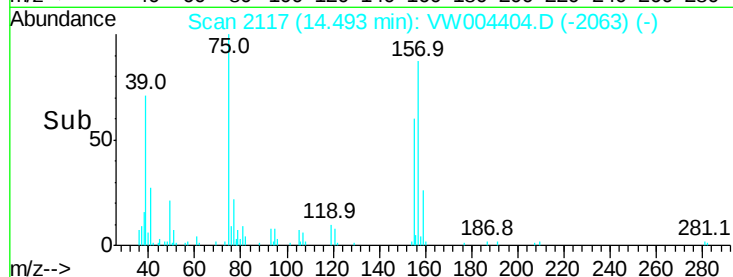
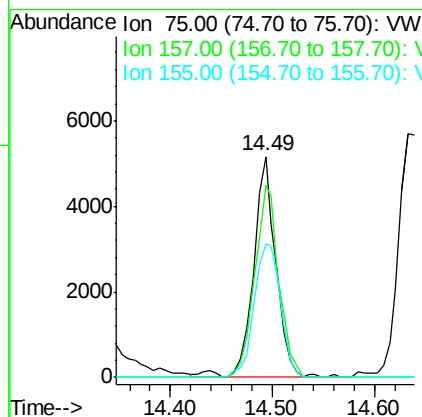
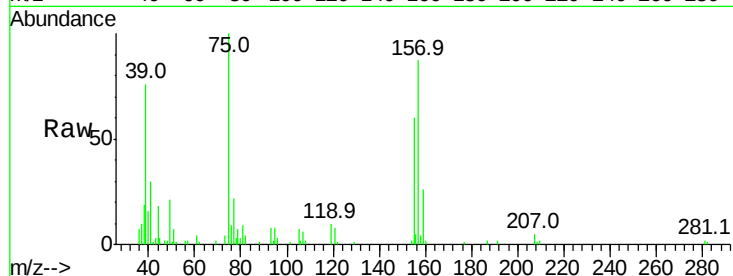




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.945 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

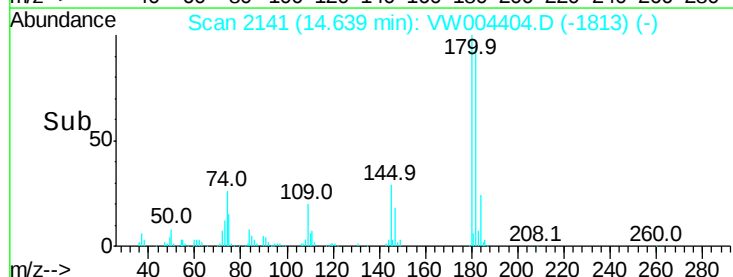
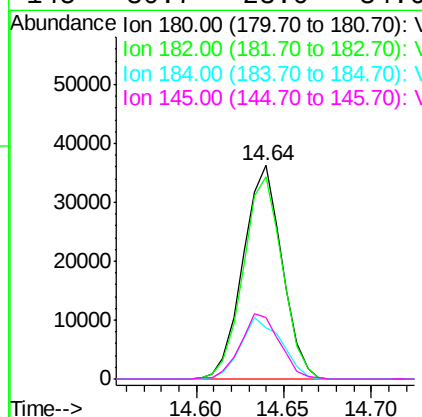
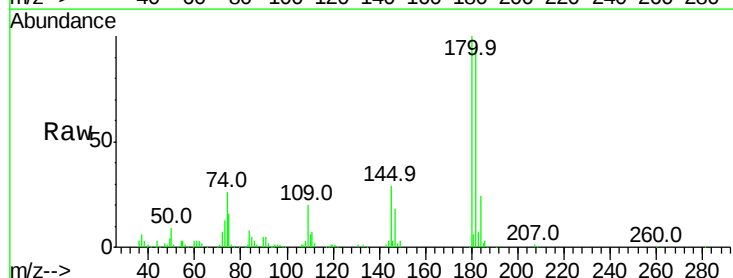
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

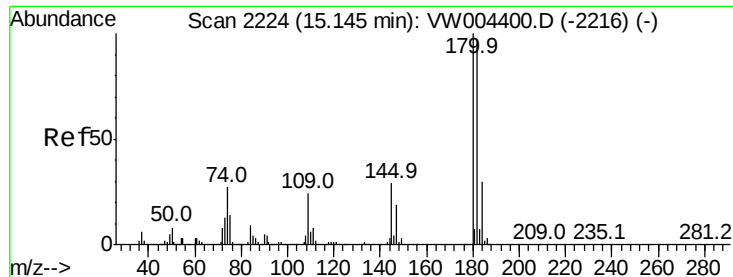
Tgt Ion: 75 Resp: 7944
 Ion Ratio Lower Upper
 75 100
 157 87.1 81.4 122.0
 155 60.3 63.0 94.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.459 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

Tgt Ion: 180 Resp: 56459
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.1 112.7
 184 30.1 24.0 36.0
 145 30.7 23.0 34.6

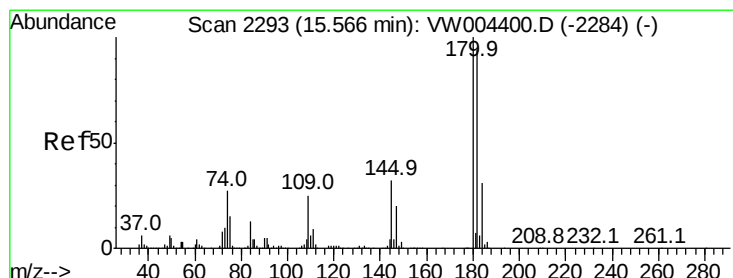
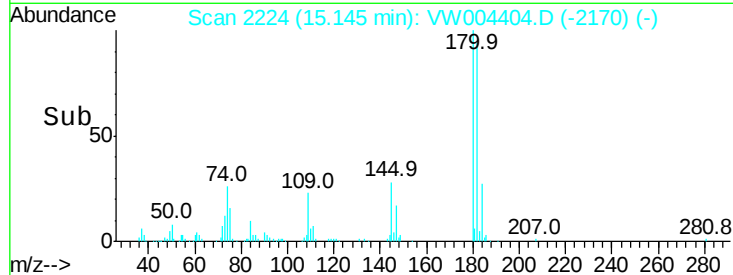
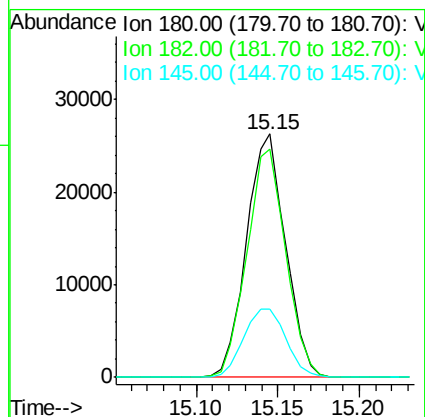
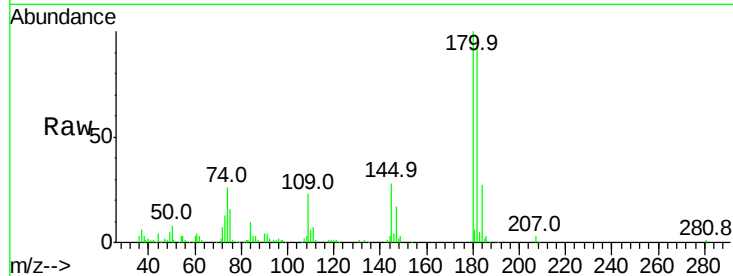




#68
 1,2,4-trichlorobenzene
 Concen: 2.246 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

Tgt Ion:180 Resp: 43783
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.9 115.3
 145 30.5 23.4 35.2



#70
 1,2,3-Trichlorobenzene
 Concen: 2.402 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VW004404.D
 Acq: 02 Aug 2018 16:17

Tgt Ion:180 Resp: 43330
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.0 114.0
 145 31.4 25.2 37.8

