

Data File : VW003736.D
Acq On : 06 Jul 2018 09:55
Operator : SY/AP
Sample : VSTD2.581
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

Quant Time: Jul 06 11:18:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 11:18:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319535	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315664	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	149460	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12094	2.79	ug/L	0.00
7) Chloroethane-d5	2.89	69	8584	2.37	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	19151	2.23	ug/L	0.00
20) 2-Butanone-d5	7.09	46	6358	4.66	ug/L	0.00
24) Chloroform-d	7.65	84	23251	2.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14033	2.81	ug/L	0.00
29) Benzene-d6	8.27	84	41250	2.46	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	13640	2.57	ug/L	0.00
37) Toluene-d8	10.32	98	37148	2.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	5880	2.36	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4108	3.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	13057	2.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	14931	2.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5799	3.304	ug/L #	69
3) Chloromethane	2.21	50	9728	2.580	ug/L	99
5) Vinyl chloride	2.36	62	14691	2.692	ug/L	97
6) Bromomethane	2.78	94	7828	2.466	ug/L	98
8) Chloroethane	2.92	64	7775	2.338	ug/L	97
9) Trichlorofluoromethane	3.25	101	6380	2.038	ug/L	91
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	8884	2.102	ug/L #	66
12) 1,1-Dichloroethene	4.03	96	8948	2.240	ug/L	98
13) Acetone	4.15	43	7680	5.276	ug/L #	97
14) Carbon disulfide	4.37	76	29135	2.261	ug/L #	94
16) Methylene chloride	4.91	84	17457	3.965	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	17799	2.415	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	10903	2.620	ug/L	89
19) 1,1-Dichloroethane	6.21	63	20956	2.698	ug/L	99
21) 2-Butanone	7.19	43	9175	5.364	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	11051	2.499	ug/L	95
23) Bromochloromethane	7.51	128	5535	2.705	ug/L	92
25) Chloroform	7.68	83	22219	2.783	ug/L	99
27) 1,2-Dichloroethane	8.40	62	16229	2.807	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	17462	2.518	ug/L	99
32) Carbon tetrachloride	8.07	117	16999	2.537	ug/L	99
34) Benzene	8.32	78	43916	2.440	ug/L	100
35) Trichloroethene	9.09	95	12034	2.480	ug/L	93
36) Methylcyclohexane	9.34	83	17721	2.140	ug/L	94
41) Bromodichloromethane	9.65	83	16110	2.646	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	15935	2.254	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	15477	4.573	ug/L #	93
44) Toluene	10.39	91	44338	2.271	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	14963	2.339	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	9388	2.655	ug/L	94

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Quant Title : VOC Analysis
QLast Update : Fri Jul 06 11:18:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	10.87	164	10404	2.552	ug/L	96
49) 2-Hexanone	10.98	43	11182	4.434	ug/L	93
50) Dibromochloromethane	11.13	129	10749	2.497	ug/L	97
51) 1,2-Dibromoethane	11.24	107	8573	2.440	ug/L #	89
52) Chlorobenzene	11.66	112	32479	2.562	ug/L	93
53) Ethylbenzene	11.74	91	49084	2.242	ug/L	99
54) m,p-Xylene	11.84	106	16984	2.088	ug/L	99
55) o-xylene	12.17	106	15814	2.044	ug/L	93
56) Styrene	12.18	104	27151	2.033	ug/L	92
58) 1,1,2,2-Tetrachloroethane	12.72	83	12319	2.643	ug/L	90
59) 1,2,3-Trichloropropane	12.77	75	9174	2.568	ug/L	98
62) Bromoform	12.35	173	6665	2.650	ug/L #	95
63) 1,3-Dichlorobenzene	13.51	146	21893	2.382	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	26331	2.733	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	22571	2.573	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2191	2.846	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	17901	2.507	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	13539	2.329	ug/L	99
69) Naphthalene	15.38	128	22844	2.100	ug/L	97
70) 1,2,3-Trichlorobenzene	15.57	180	13173	2.472	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

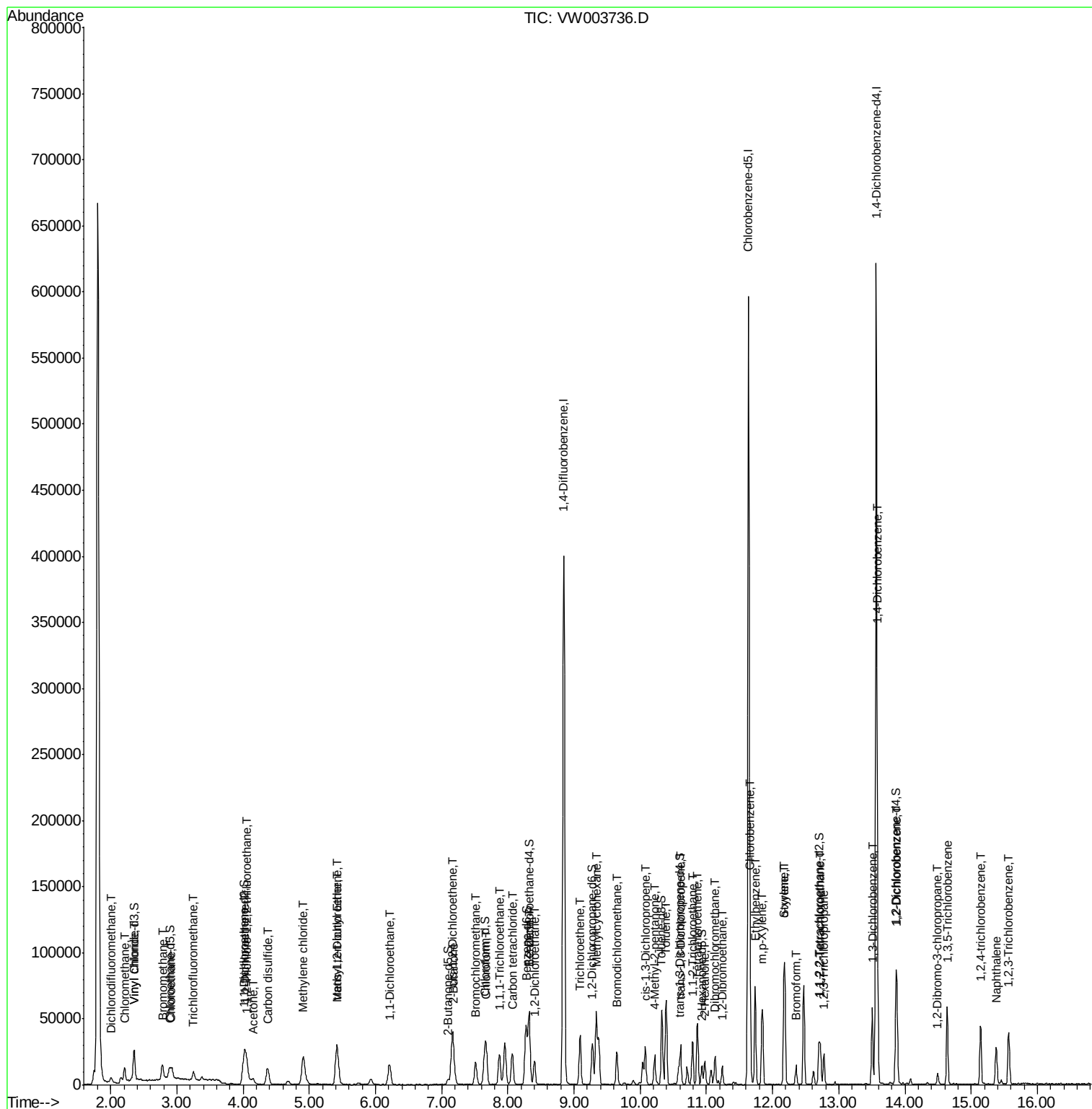
Quant Time: Jul 06 11:18:44 2018

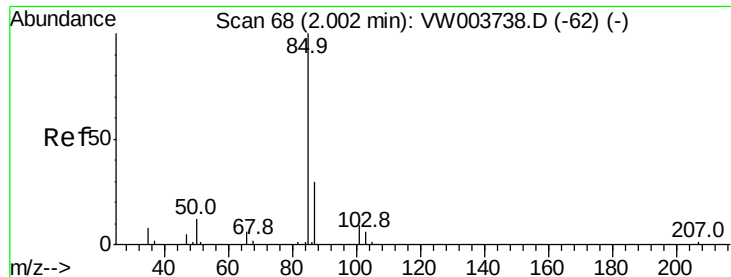
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\S0M2WLM070618S.M

Quant Title : VOC Analysis

QLast Update : Fri Jul 06 11:18:40 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.304 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

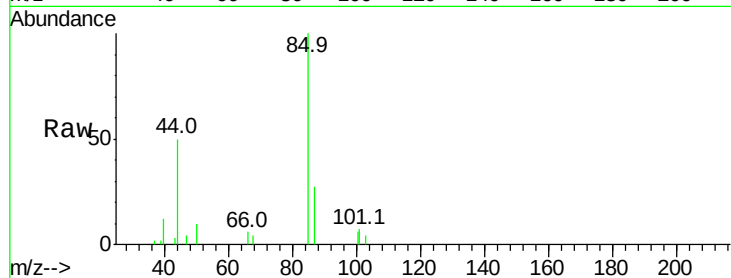
VSTD2.581

Tgt Ion: 85 Resp: 5799

Ion Ratio Lower Upper

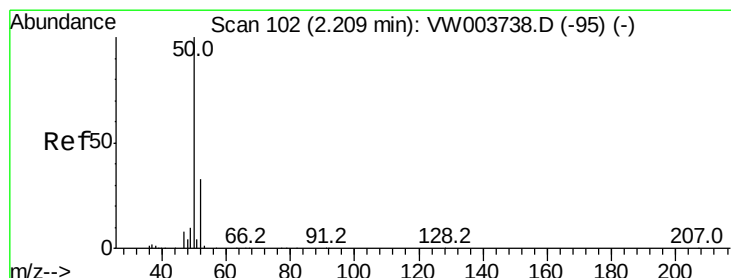
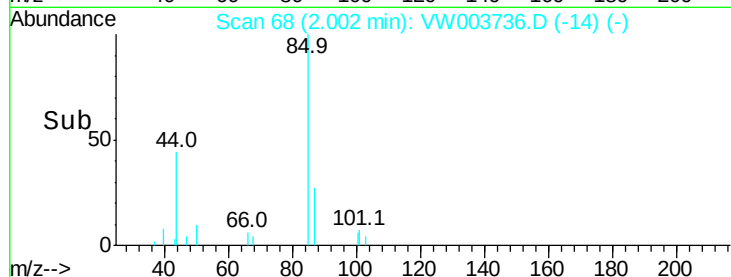
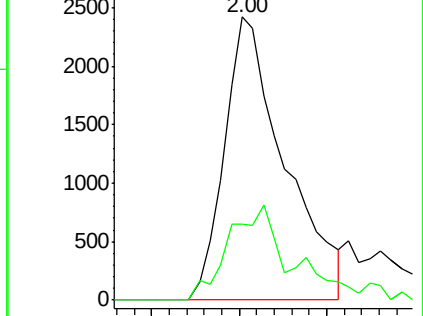
85 100

87 16.0 23.3 43.3#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.580 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003736.D

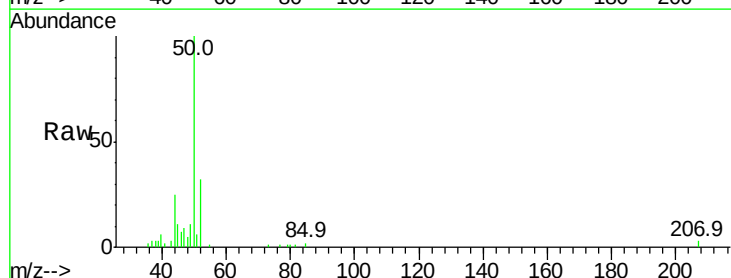
Acq: 06 Jul 2018 09:55

Tgt Ion: 50 Resp: 9728

Ion Ratio Lower Upper

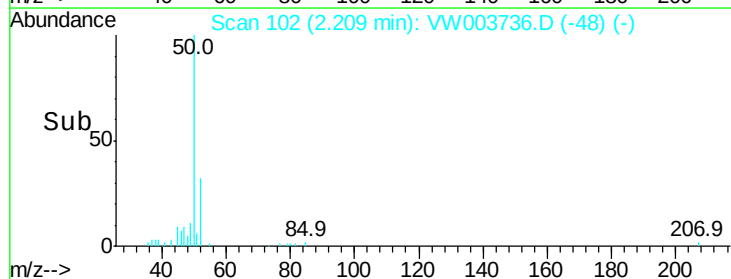
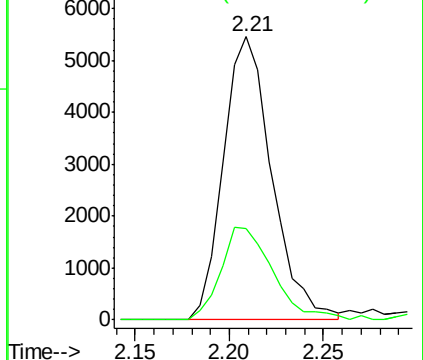
50 100

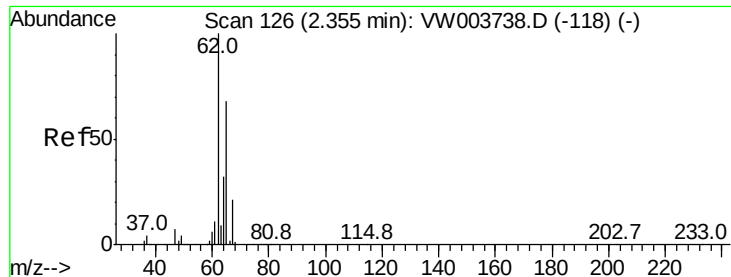
52 32.3 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.692 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

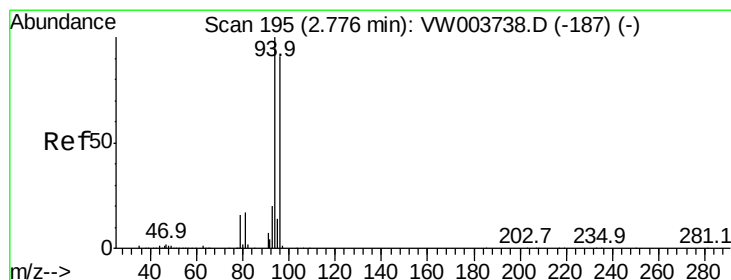
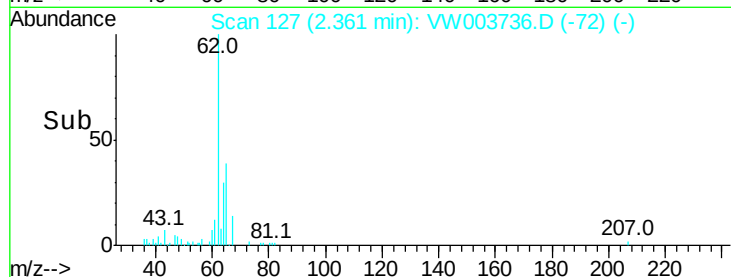
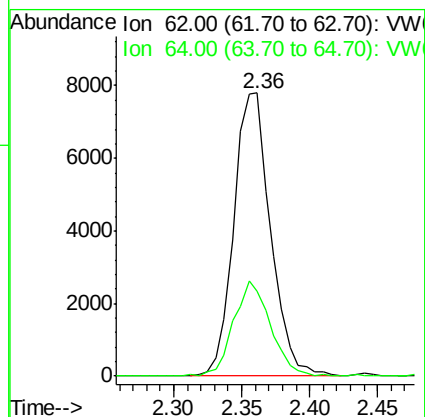
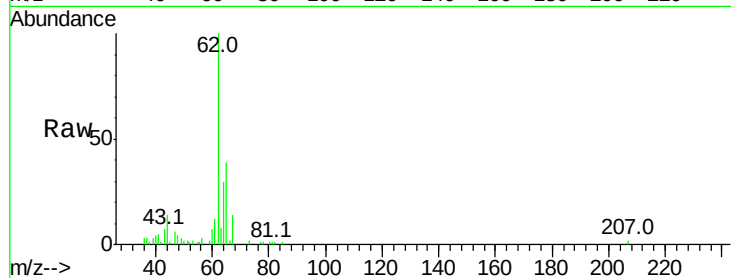
VSTD2.581

Tgt Ion: 62 Resp: 14691

Ion Ratio Lower Upper

62 100

64 30.1 22.2 41.2



#6

Bromomethane

Concen: 2.466 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003736.D

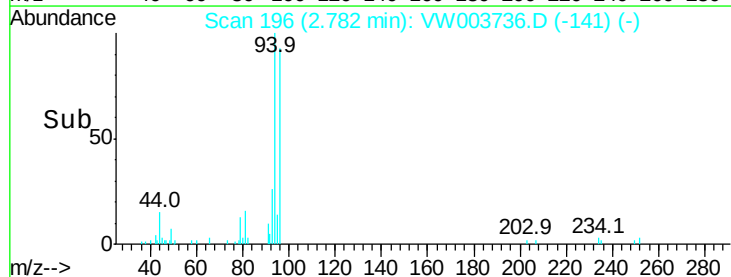
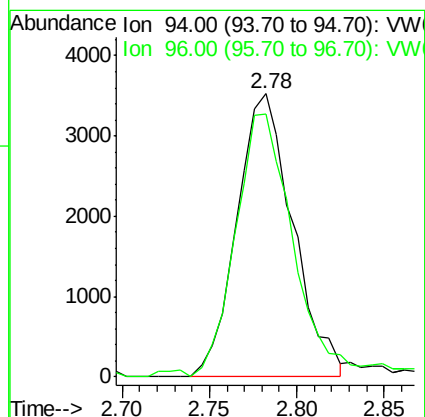
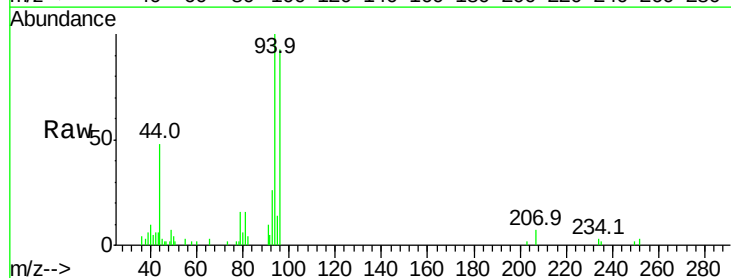
Acq: 06 Jul 2018 09:55

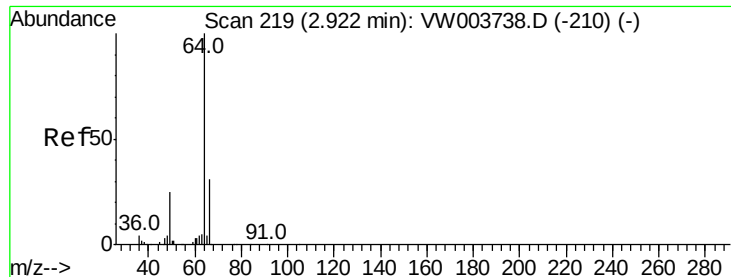
Tgt Ion: 94 Resp: 7828

Ion Ratio Lower Upper

94 100

96 95.3 9.3 177.7





#8

Chloroethane

Concen: 2.338 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

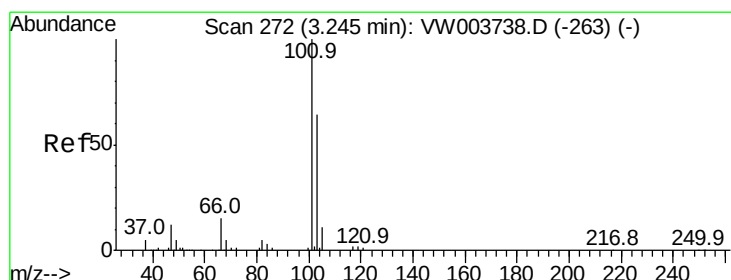
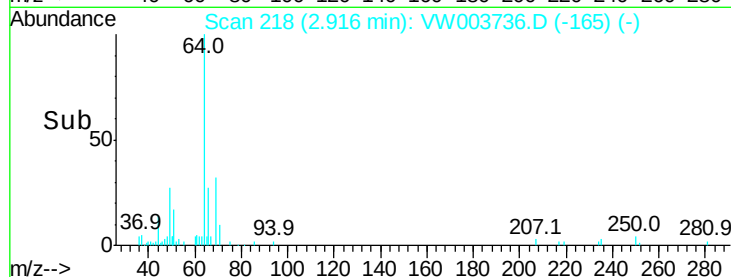
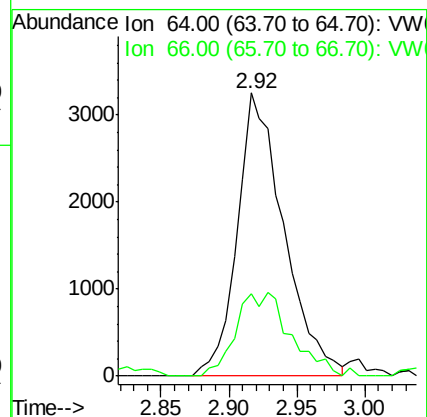
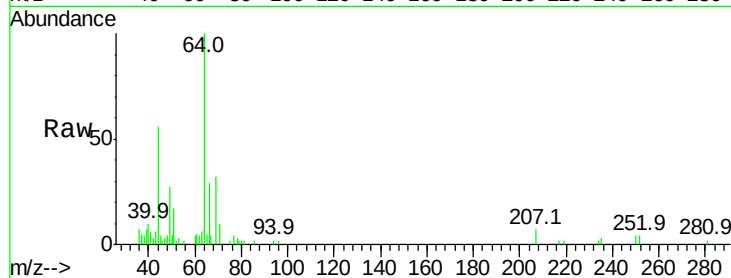
VSTD2.581

Tgt Ion: 64 Resp: 7775

Ion Ratio Lower Upper

64 100

66 29.0 21.5 39.9



#9

Trichlorofluoromethane

Concen: 2.038 ug/L

RT: 3.25 min Scan# 272

Delta R.T. 0.00 min

Lab File: VW003736.D

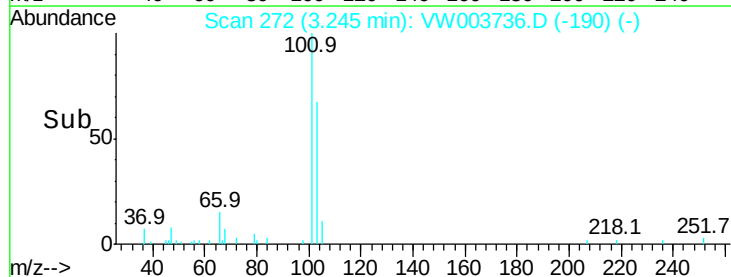
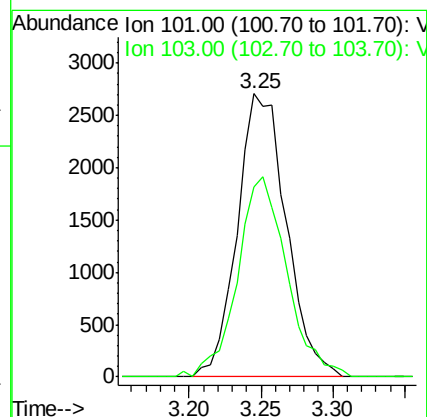
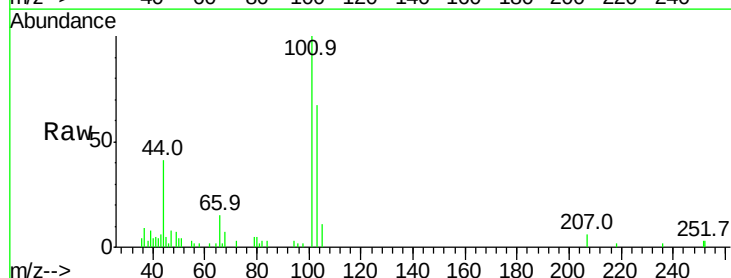
Acq: 06 Jul 2018 09:55

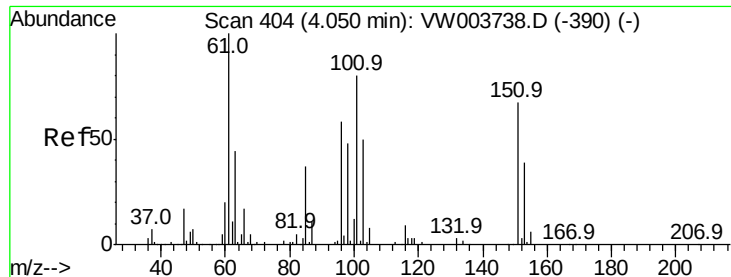
Tgt Ion: 101 Resp: 6380

Ion Ratio Lower Upper

101 100

103 71.1 44.9 83.5





#11

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

Concen: 2.102 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

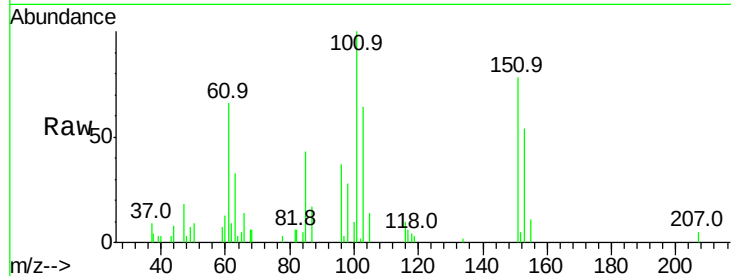
Tgt Ion: 101 Resp: 8884

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

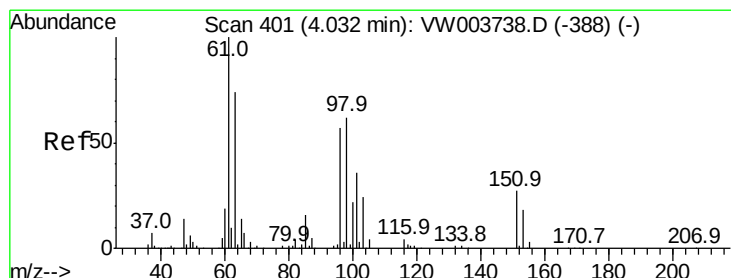
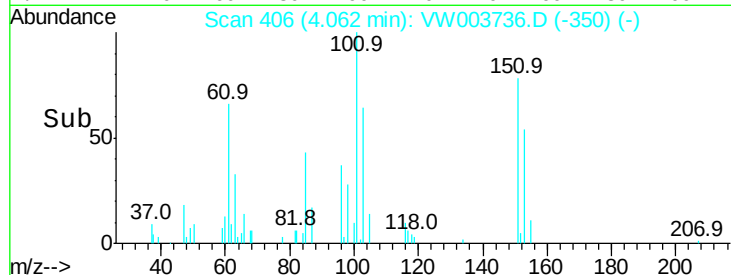
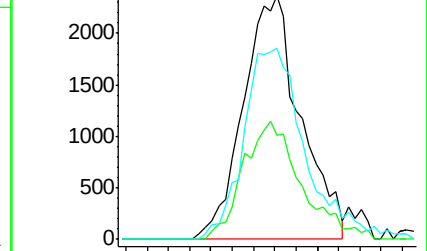
151 32.7 62.9 94.3#



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: 2.240 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

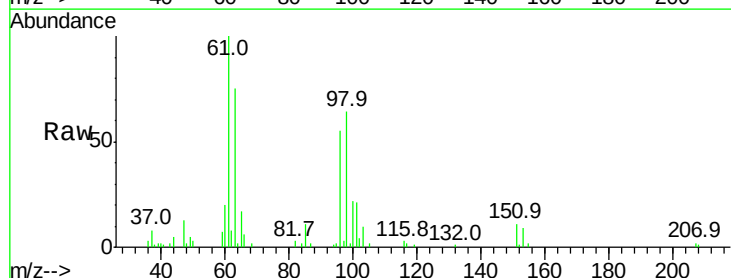
Tgt Ion: 96 Resp: 8948

Ion Ratio Lower Upper

96 100

61 180.5 123.8 229.8

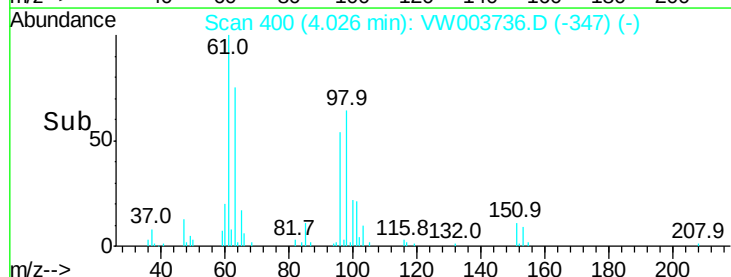
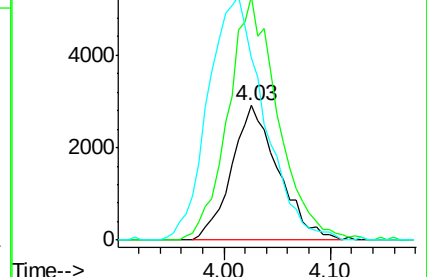
63 135.6 94.2 175.0

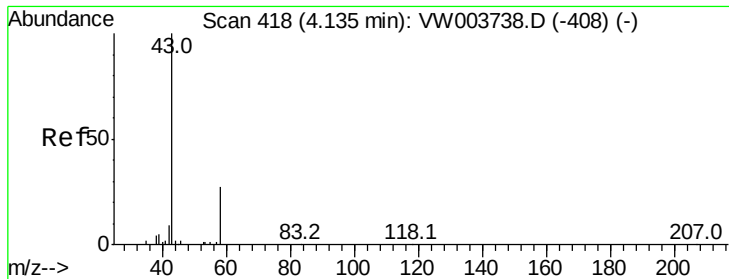


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.276 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

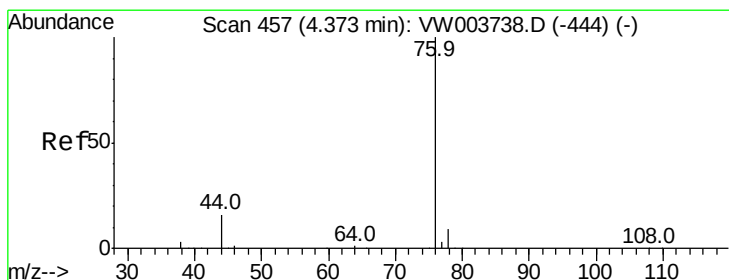
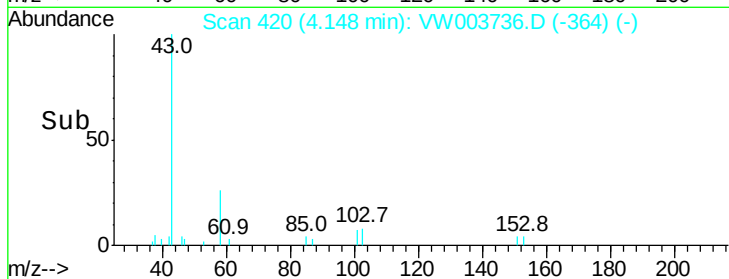
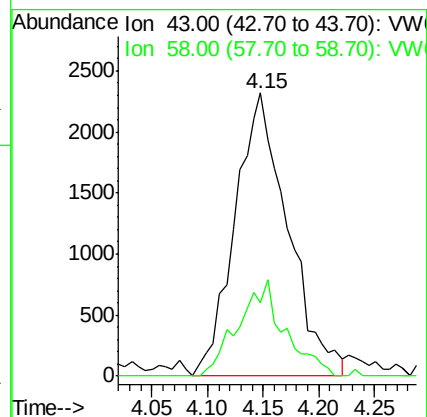
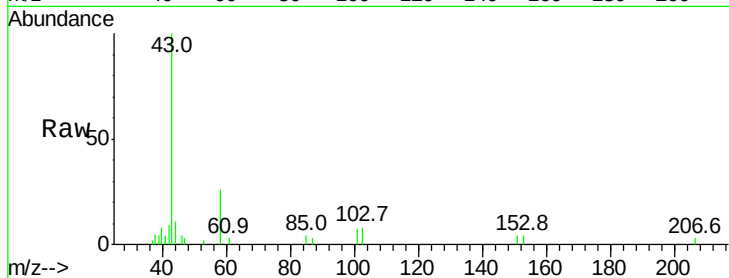
VSTD2.581

Tgt Ion: 43 Resp: 7680

Ion Ratio Lower Upper

43 100

58 3.1 0.0 0.6#



#14

Carbon disulfide

Concen: 2.261 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003736.D

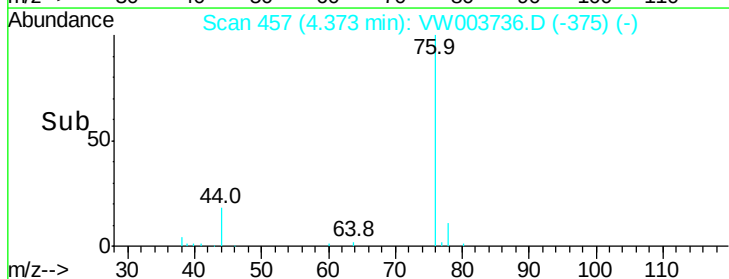
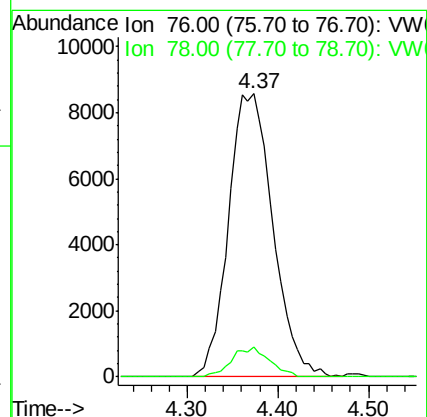
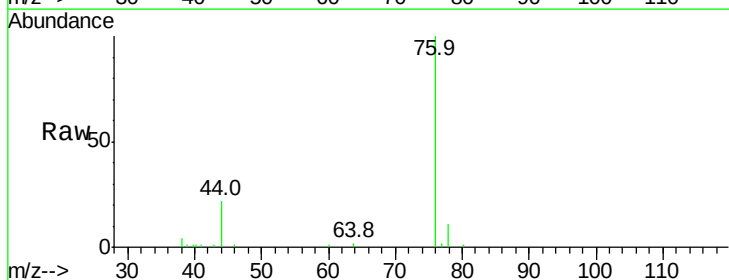
Acq: 06 Jul 2018 09:55

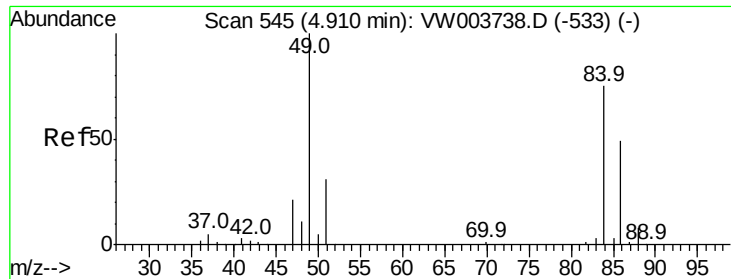
Tgt Ion: 76 Resp: 29135

Ion Ratio Lower Upper

76 100

78 10.6 6.9 10.3#

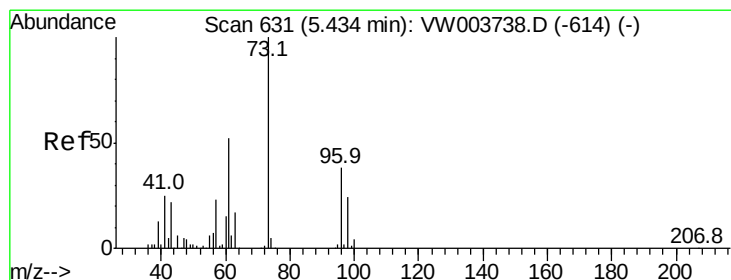
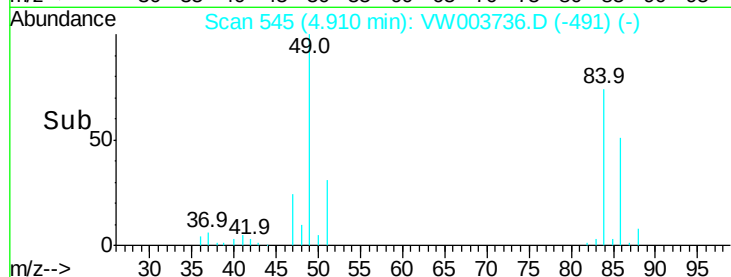
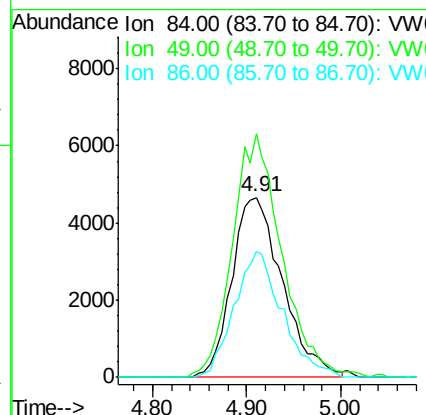
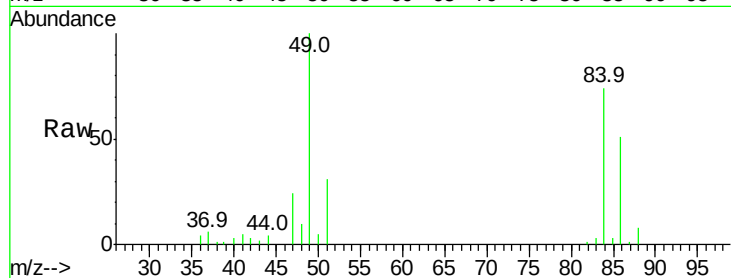




#16
Methylene chloride
Concen: 3.965 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003736.D
Acq: 06 Jul 2018 09:55

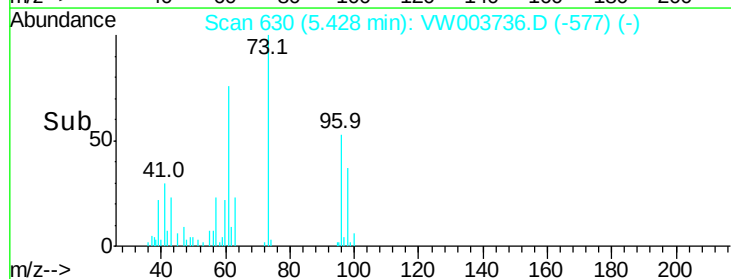
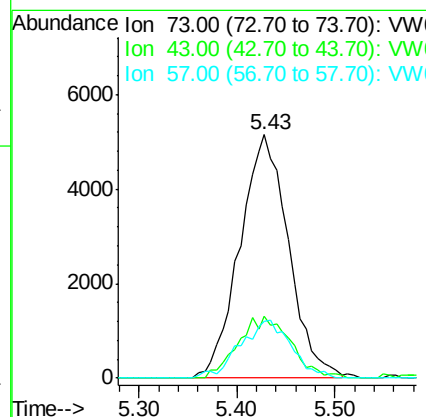
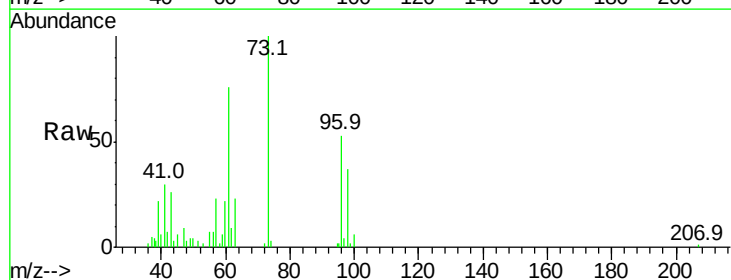
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

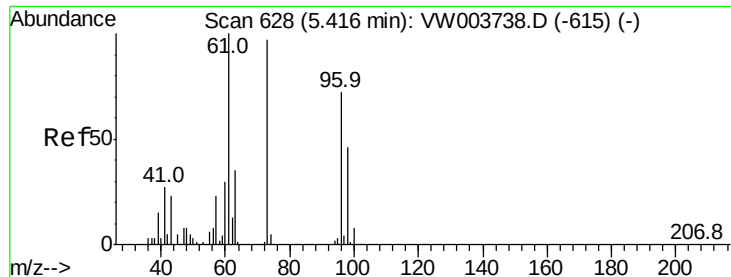
Tgt Ion: 84 Resp: 17457
Ion Ratio Lower Upper
84 100
49 135.3 93.5 173.7
86 69.6 45.6 84.8



#17
Methyl tert-butyl Ether
Concen: 2.415 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW003736.D
Acq: 06 Jul 2018 09:55

Tgt Ion: 73 Resp: 17799
Ion Ratio Lower Upper
73 100
43 26.8 18.2 27.4
57 24.1 18.4 27.6





#18

trans-1,2-Dichloroethene

Concen: 2.620 ug/L

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

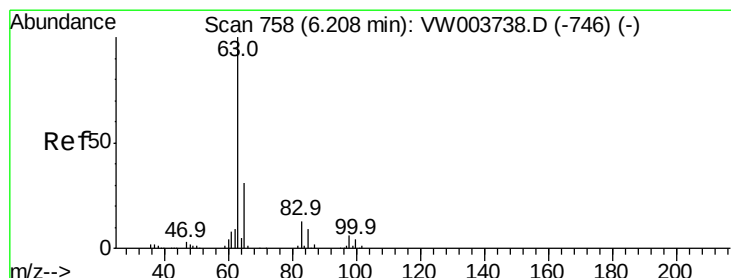
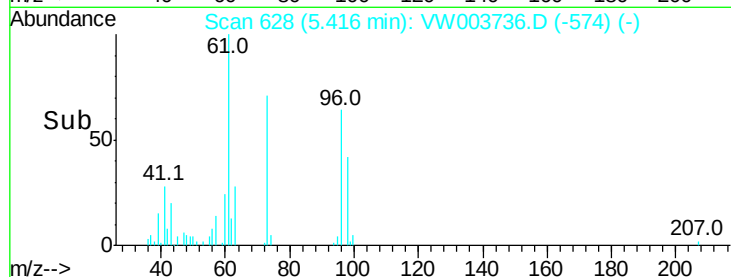
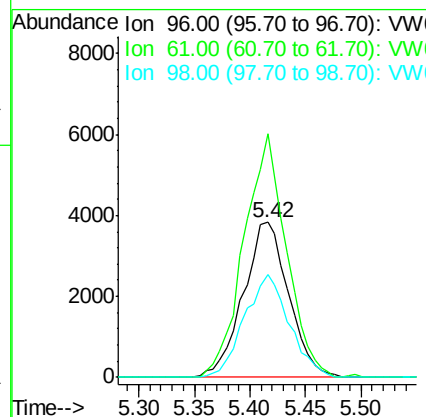
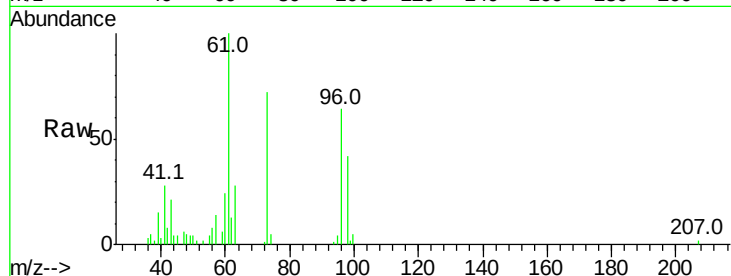
Tgt Ion: 96 Resp: 10903

Ion Ratio Lower Upper

96 100

61 157.3 97.5 181.1

98 66.4 44.6 82.8



#19

1,1-Dichloroethane

Concen: 2.698 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

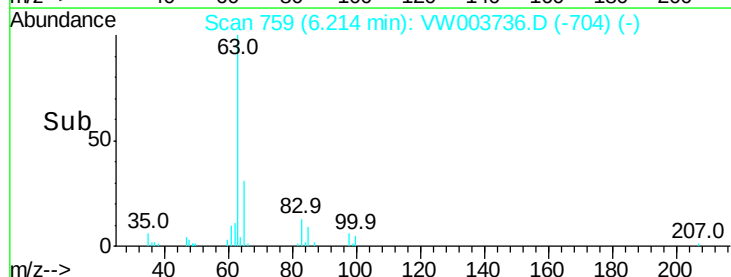
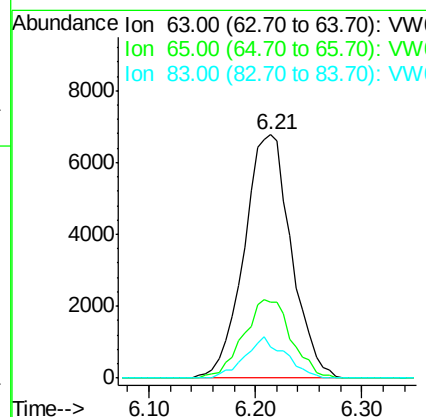
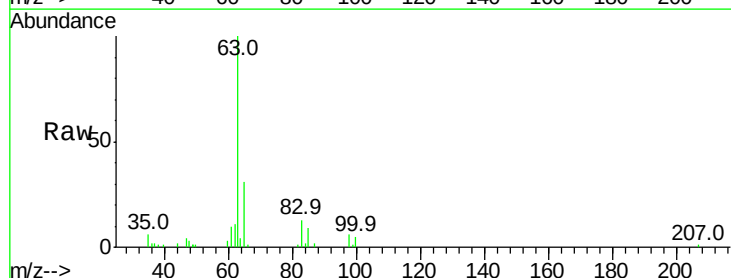
Tgt Ion: 63 Resp: 20956

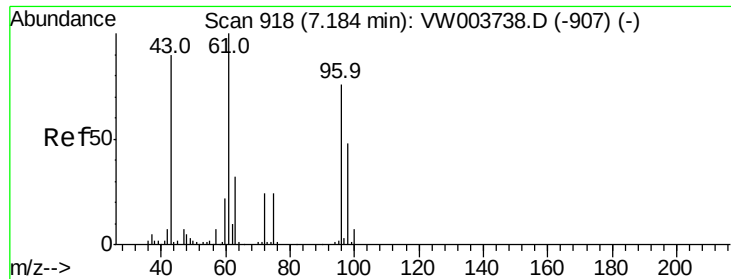
Ion Ratio Lower Upper

63 100

65 31.0 22.0 41.0

83 13.0 9.2 17.2

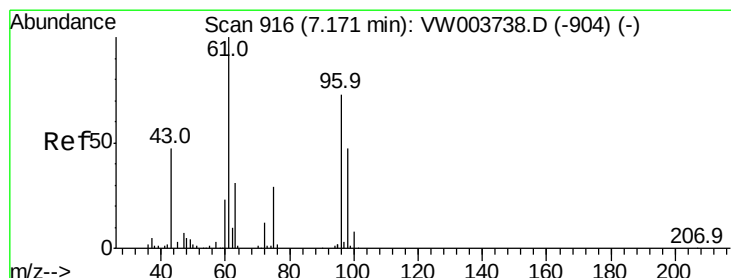
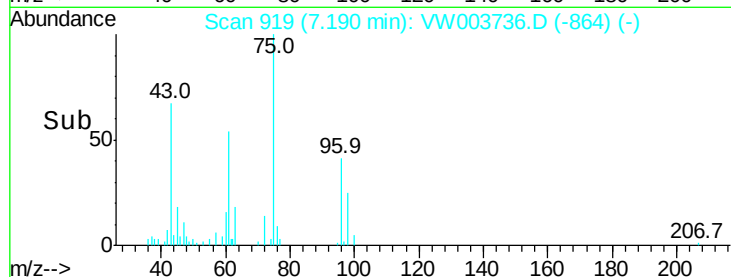
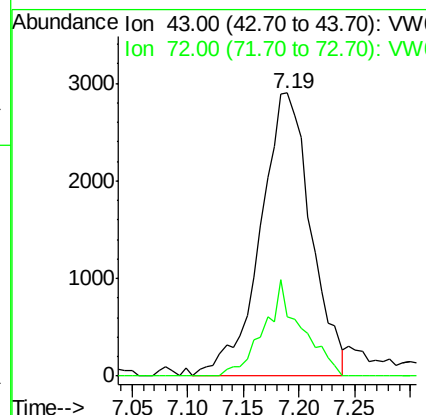
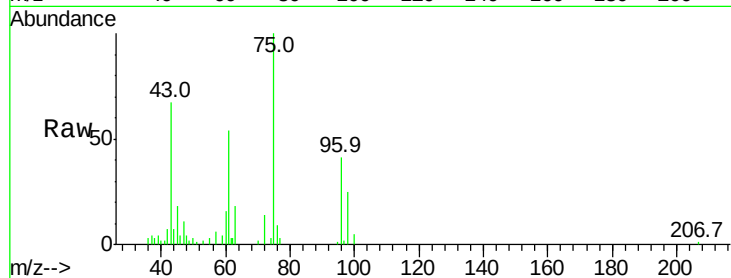




#21
 2-Butanone
 Concen: 5.364 ug/L
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

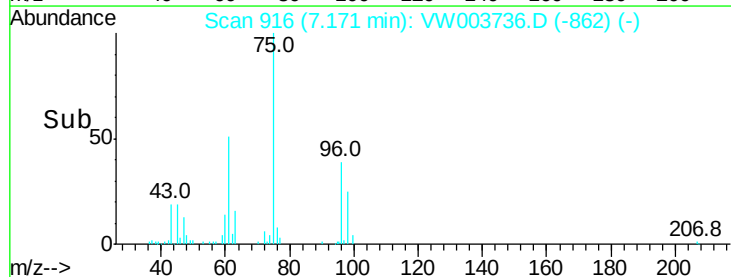
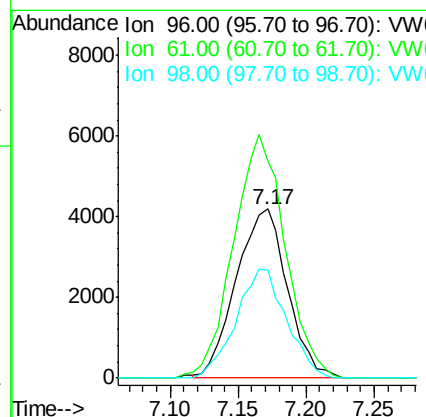
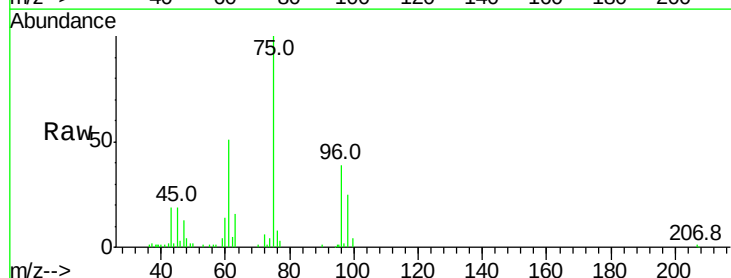
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.581

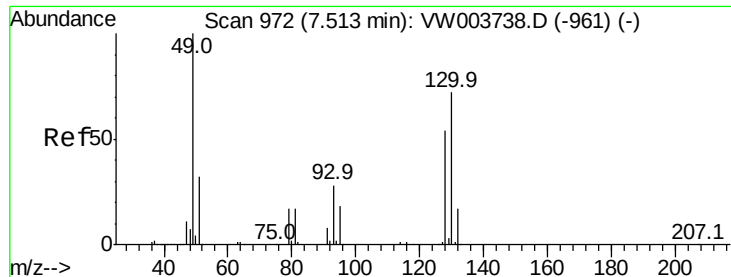
Tgt Ion: 43 Resp: 9175
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.6 37.6



#22
 cis-1,2-Dichloroethene
 Concen: 2.499 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Tgt Ion: 96 Resp: 11051
 Ion Ratio Lower Upper
 96 100
 61 128.2 96.3 178.9
 98 64.1 45.1 83.7





#23

Bromochloromethane

Concen: 2.705 ug/L

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

Tgt Ion:128 Resp: 5535

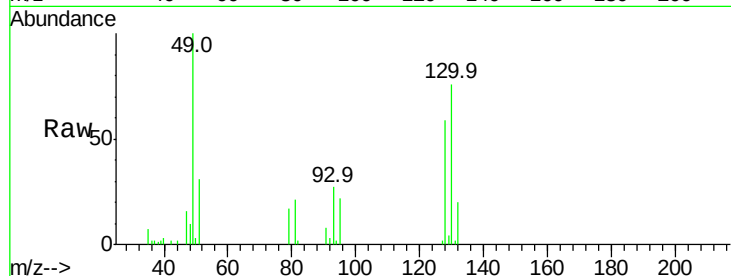
Ion Ratio Lower Upper

128 100

49 169.0 129.4 240.2

130 129.3 92.5 171.9

51 51.9 46.9 70.3

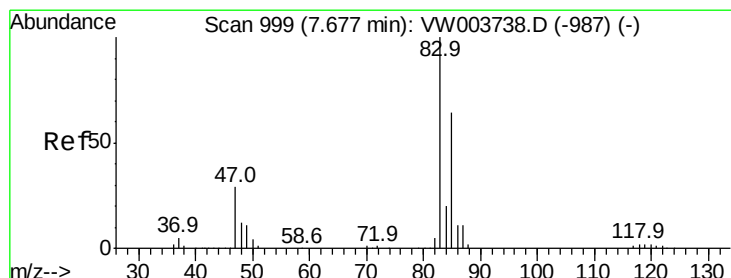
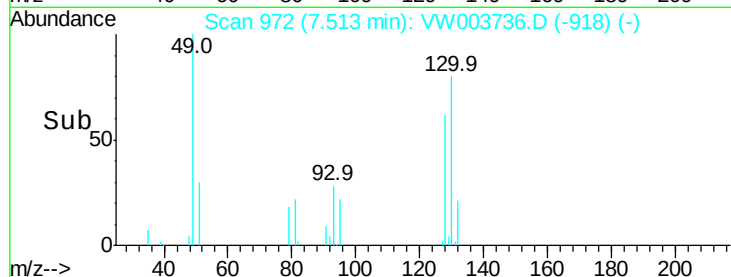
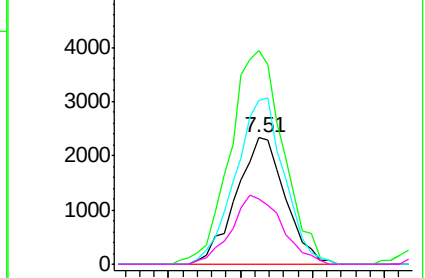


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV



#25

Chloroform

Concen: 2.783 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003736.D

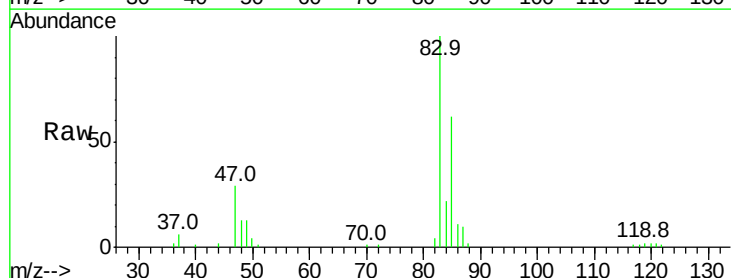
Acq: 06 Jul 2018 09:55

Tgt Ion: 83 Resp: 22219

Ion Ratio Lower Upper

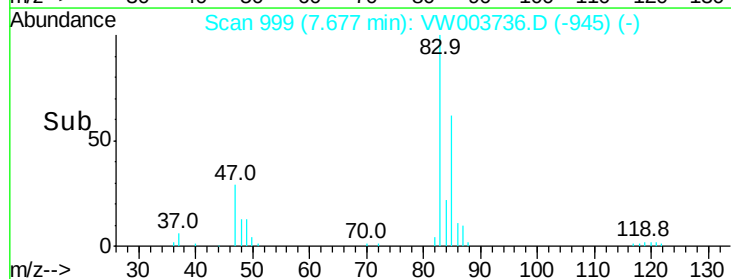
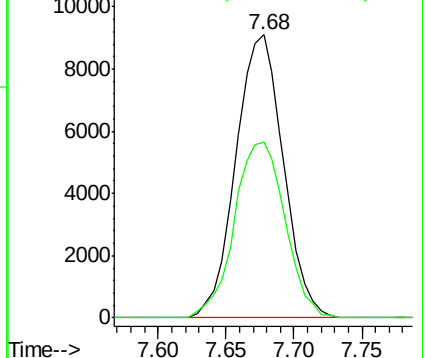
83 100

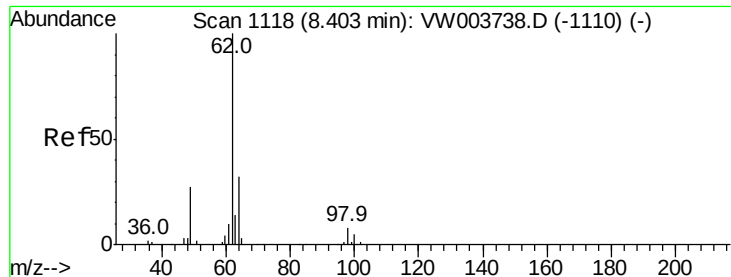
85 66.1 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

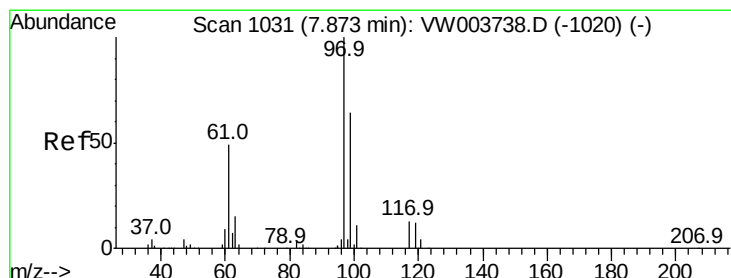
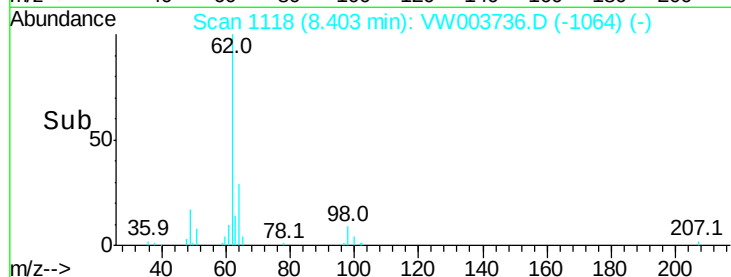
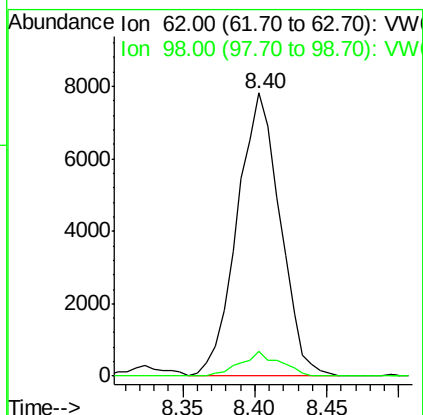
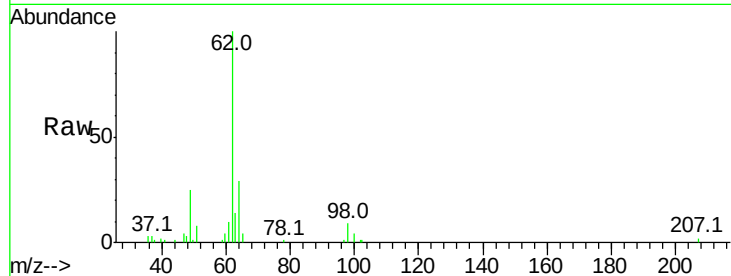




#27
 1,2-Dichloroethane
 Concen: 2.807 ug/L
 RT: 8.40 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

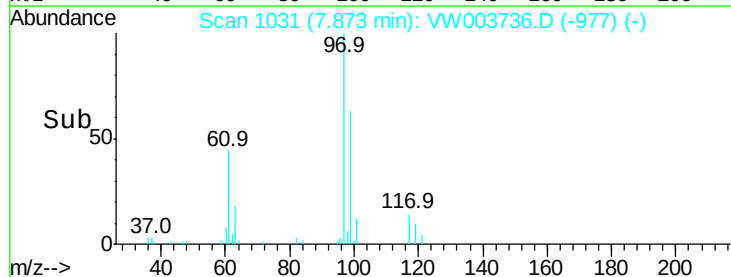
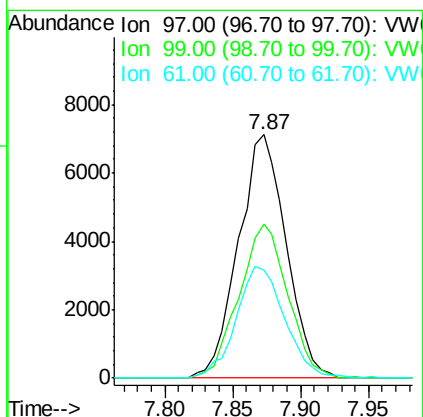
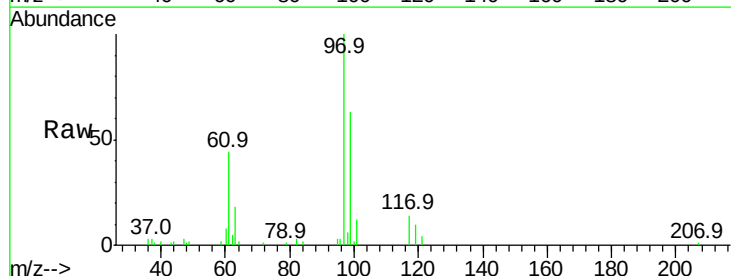
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

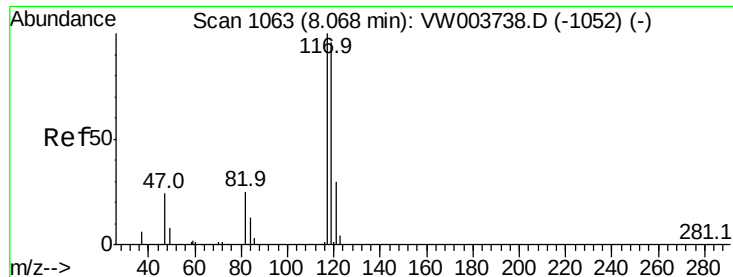
Tgt Ion: 62 Resp: 16229
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.6 10.0



#31
 1,1,1-Trichloroethane
 Concen: 2.518 ug/L
 RT: 7.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Tgt Ion: 97 Resp: 17462
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.4 77.2
 61 46.8 38.2 57.2





#32

Carbon tetrachloride

Concen: 2.537 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

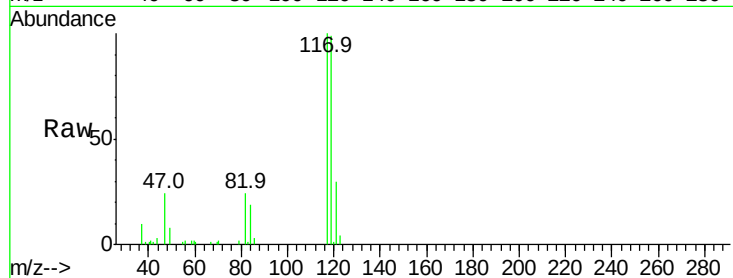
VSTD2.581

Tgt Ion:117 Resp: 16999

Ion Ratio Lower Upper

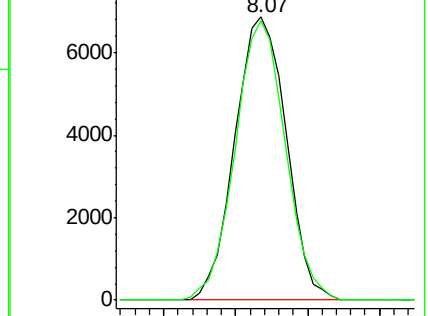
117 100

119 96.5 76.1 114.1

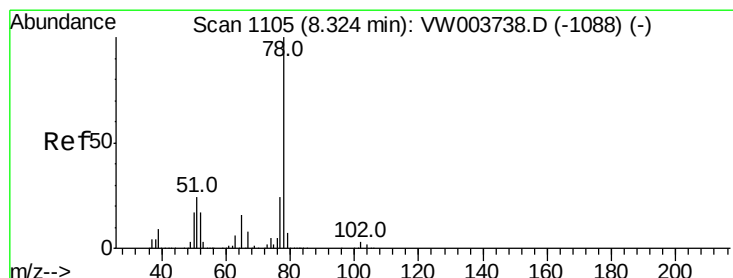
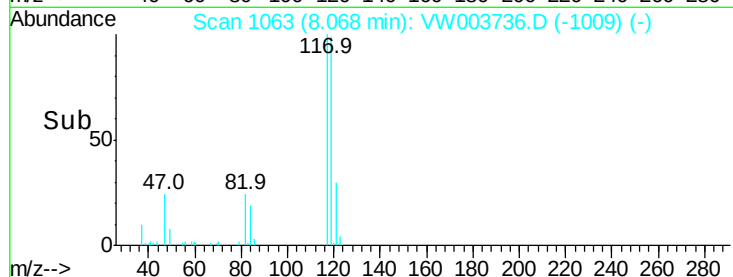


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 2.440 ug/L

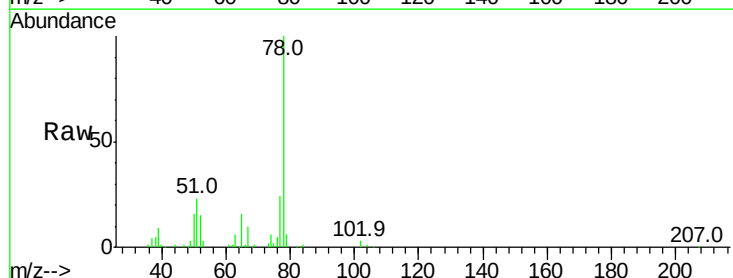
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

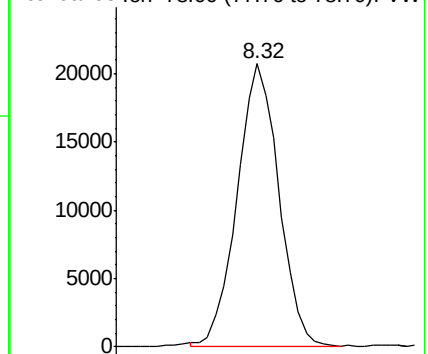
Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

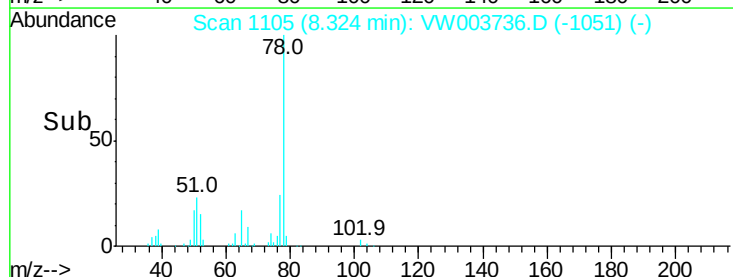
Tgt Ion: 78 Resp: 43916

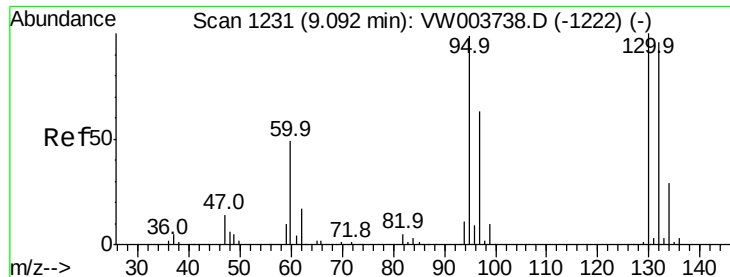


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

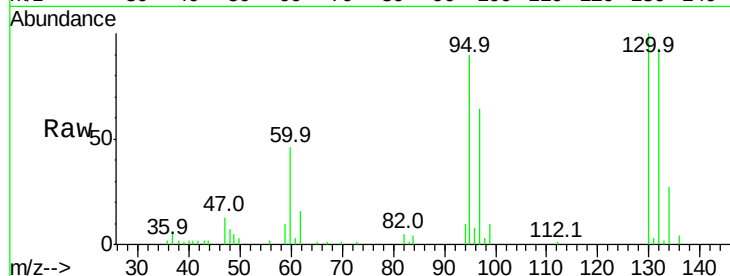




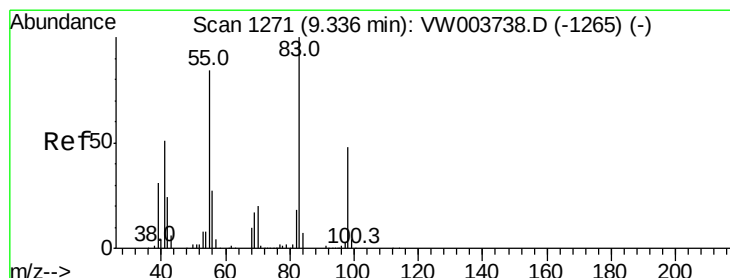
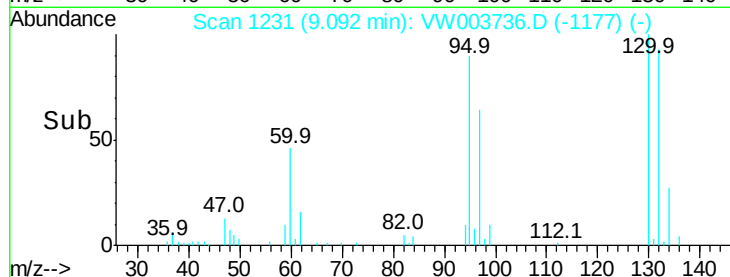
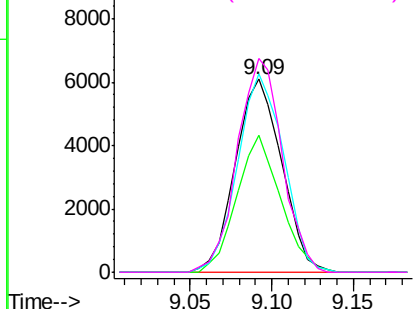
#35
 Trichloroethene
 Concen: 2.480 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

Tgt Ion: 95 Resp: 12034
 Ion Ratio Lower Upper
 95 100
 97 67.3 44.6 82.8
 132 102.0 67.3 124.9
 130 107.3 69.3 128.7

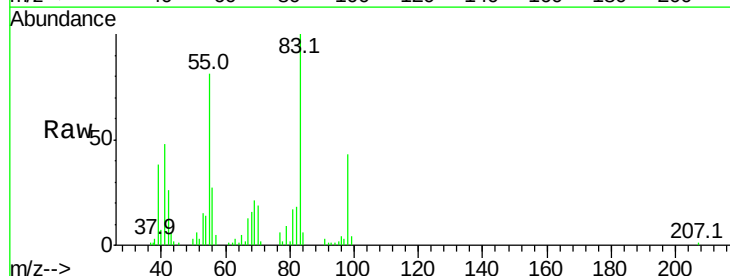


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

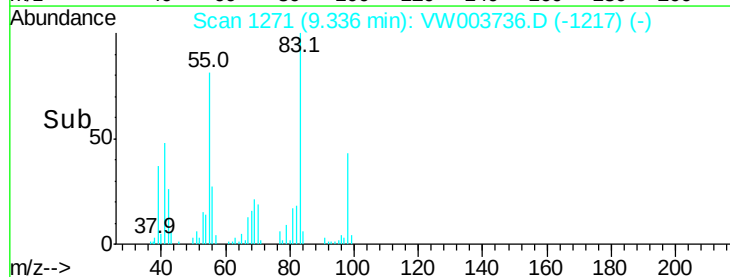
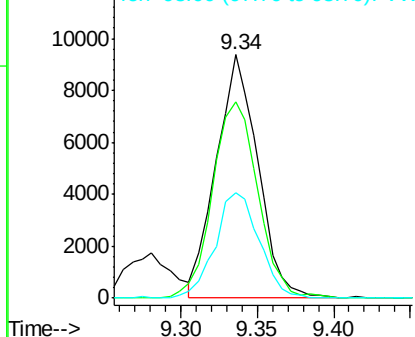


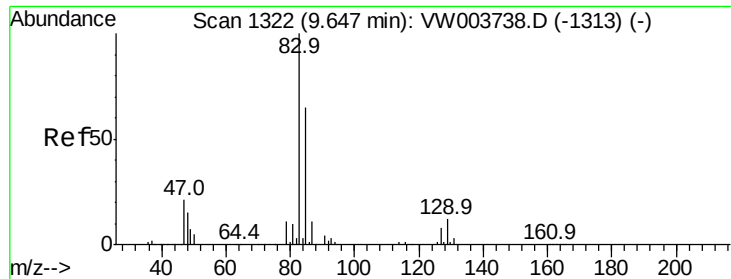
#36
 Methylcyclohexane
 Concen: 2.140 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Tgt Ion: 83 Resp: 17721
 Ion Ratio Lower Upper
 83 100
 55 87.8 64.3 96.5
 98 45.6 37.0 55.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#41

Bromodichloromethane

Concen: 2.646 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

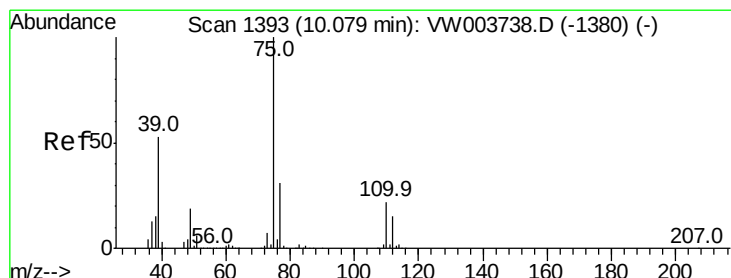
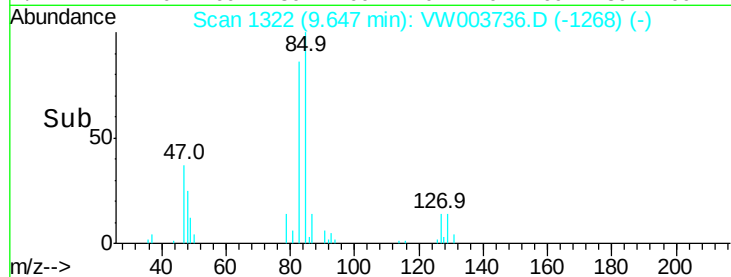
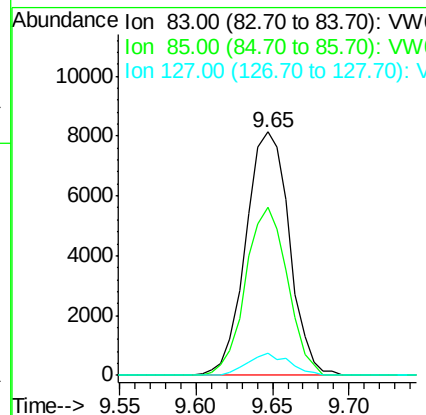
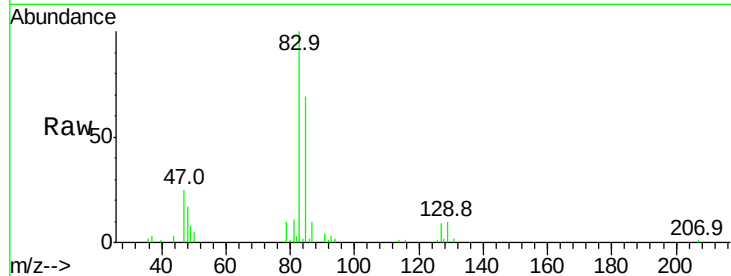
Tgt Ion: 83 Resp: 16110

Ion Ratio Lower Upper

83 100

85 69.1 45.8 85.0

127 9.3 6.6 10.0



#42

cis-1,3-Dichloropropene

Concen: 2.254 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003736.D

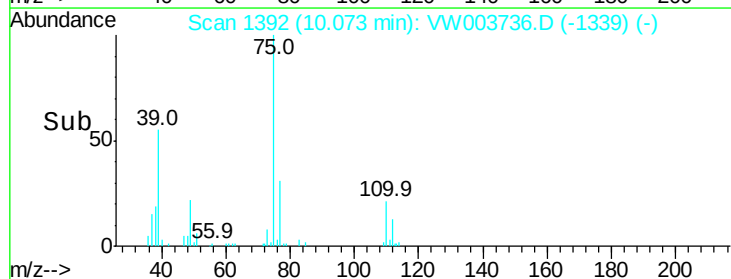
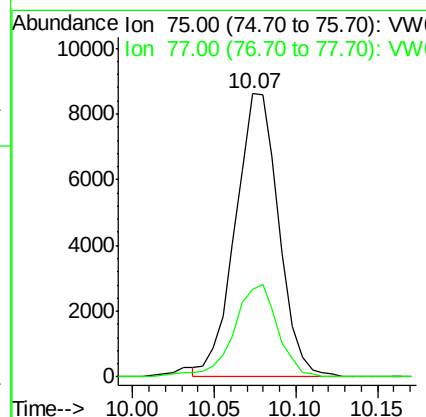
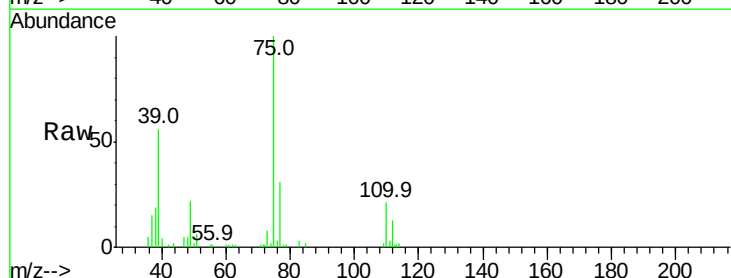
Acq: 06 Jul 2018 09:55

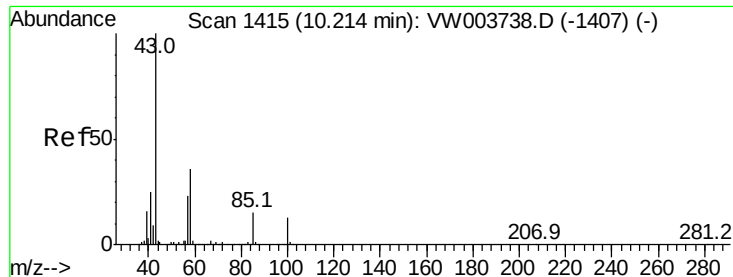
Tgt Ion: 75 Resp: 15935

Ion Ratio Lower Upper

75 100

77 30.9 21.4 39.8





#43

4-Methyl-2-pentanone

Concen: 4.573 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

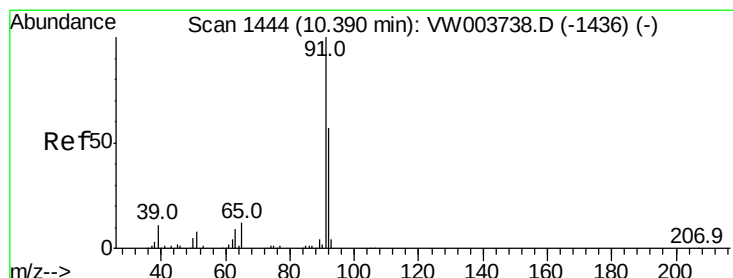
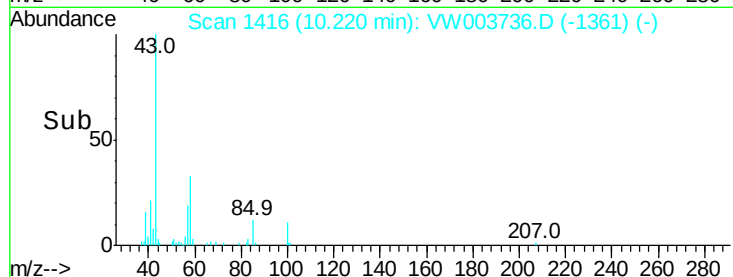
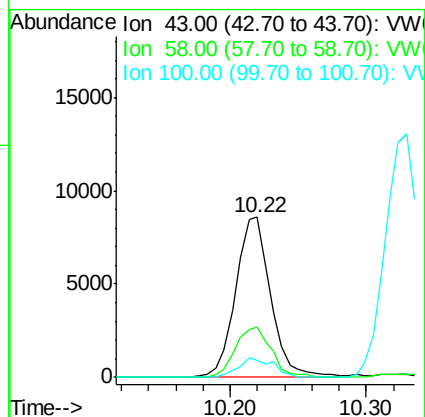
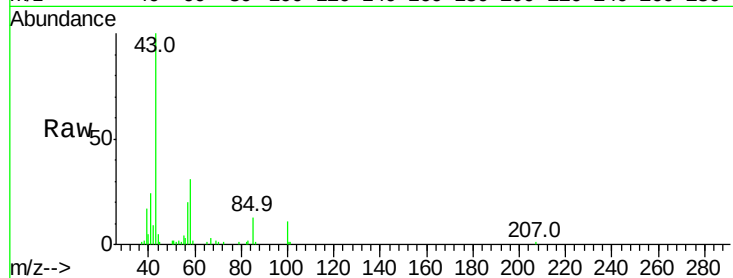
Tgt Ion: 43 Resp: 15477

Ion Ratio Lower Upper

43 100

58 32.1 28.6 42.8

100 9.1 10.7 16.1#



#44

Toluene

Concen: 2.271 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003736.D

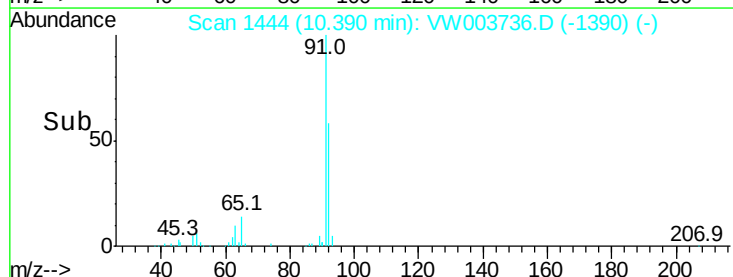
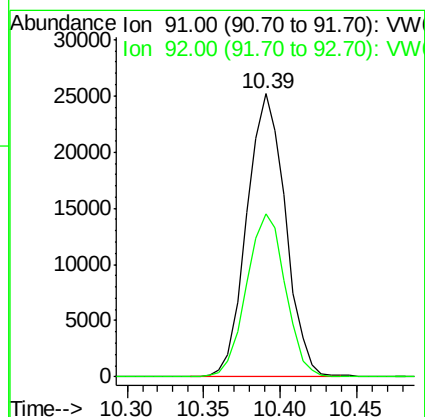
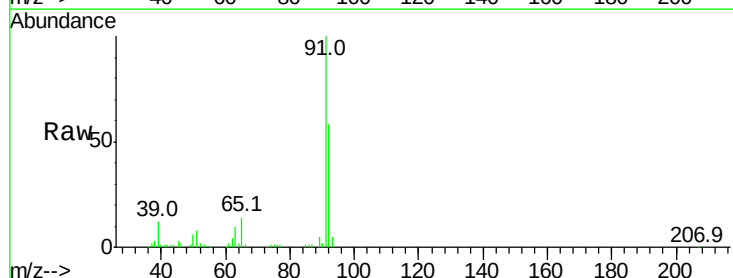
Acq: 06 Jul 2018 09:55

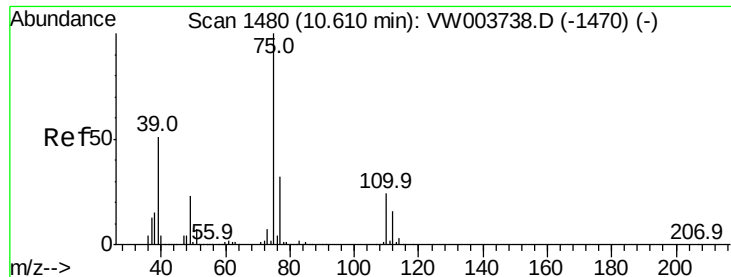
Tgt Ion: 91 Resp: 44338

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.4





#45

trans-1,3-Dichloropropene

Concen: 2.339 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

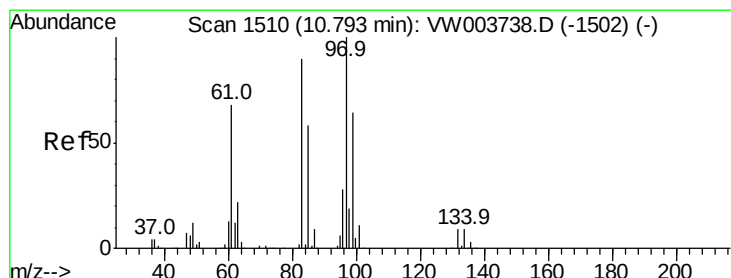
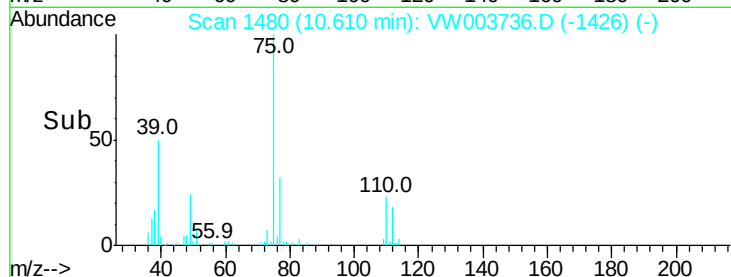
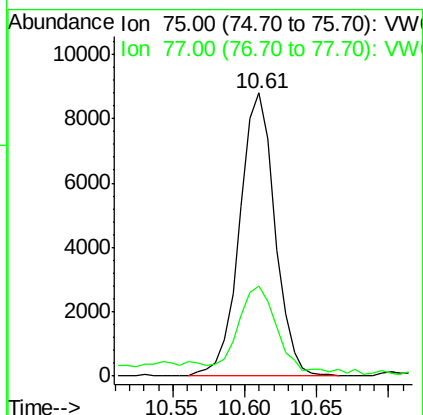
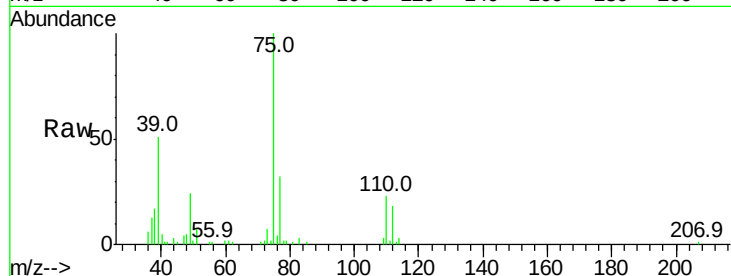
VSTD2.581

Tgt Ion: 75 Resp: 14963

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



#46

1,1,2-Trichloroethane

Concen: 2.655 ug/L

RT: 10.79 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Tgt Ion: 97 Resp: 9388

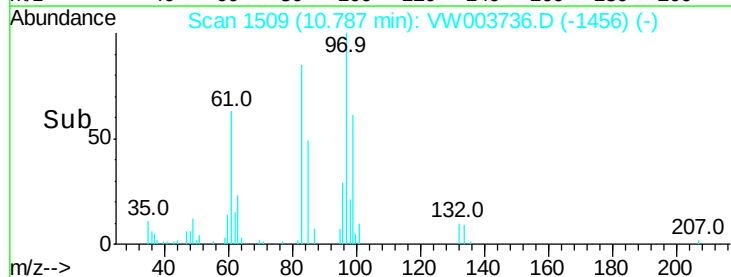
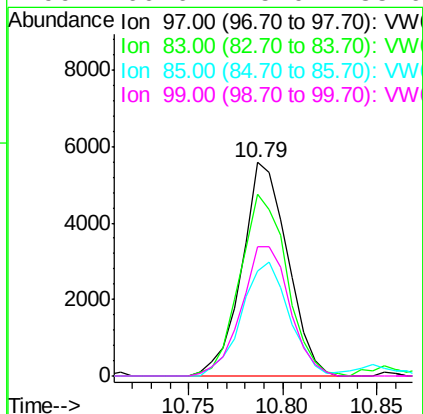
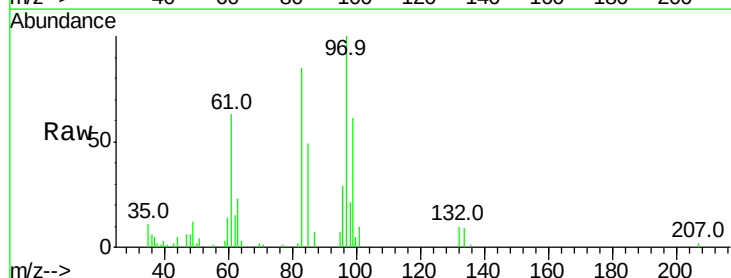
Ion Ratio Lower Upper

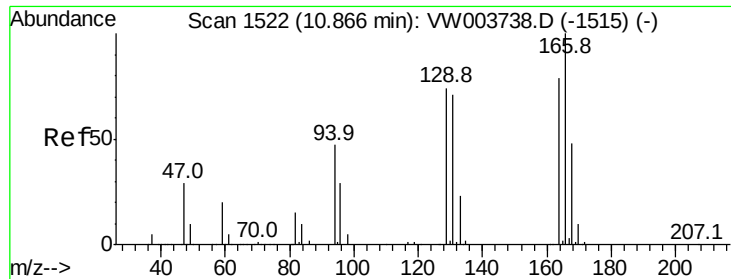
97 100

83 85.1 62.7 116.5

85 49.4 40.3 74.9

99 60.6 45.0 83.6

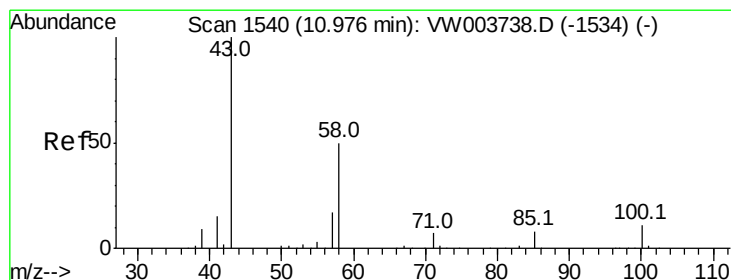
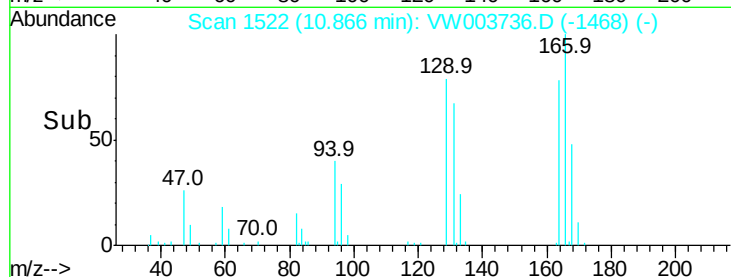
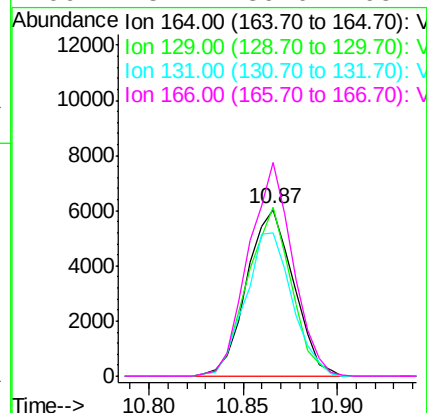
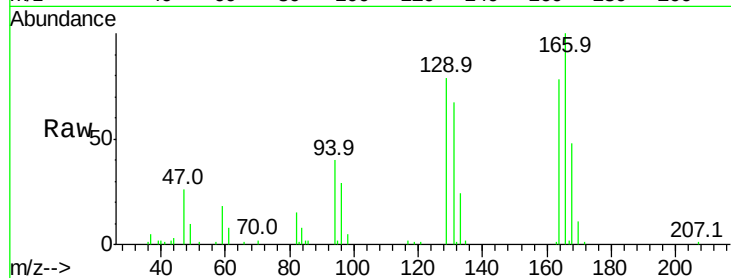




#47
Tetrachloroethene
Concen: 2.552 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003736.D
Acq: 06 Jul 2018 09:55

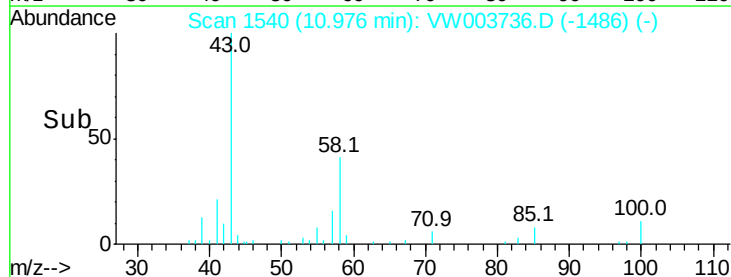
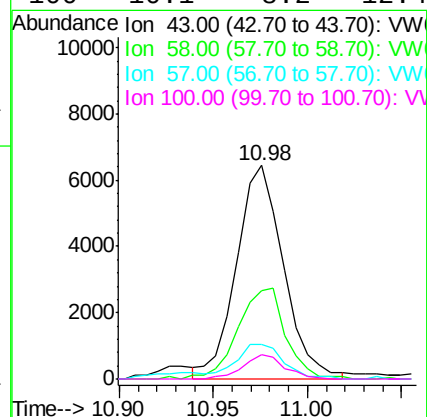
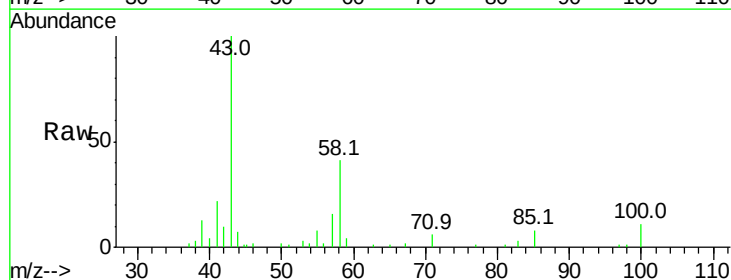
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

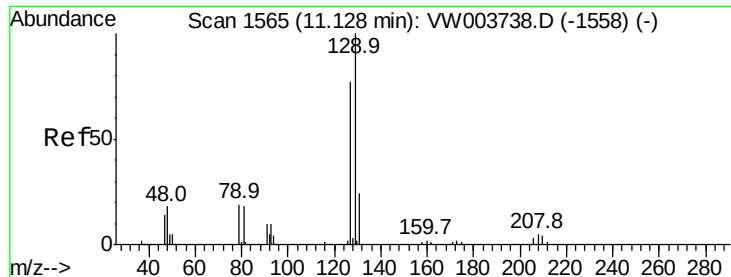
Tgt Ion:164 Resp: 10404
Ion Ratio Lower Upper
164 100
129 101.8 65.9 122.3
131 86.4 63.4 117.8
166 128.2 89.0 165.4



#49
2-Hexanone
Concen: 4.434 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003736.D
Acq: 06 Jul 2018 09:55

Tgt Ion: 43 Resp: 11182
Ion Ratio Lower Upper
43 100
58 42.5 39.4 59.2
57 16.2 14.2 21.4
100 10.1 8.2 12.4





#50

Dibromochloromethane

Concen: 2.497 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

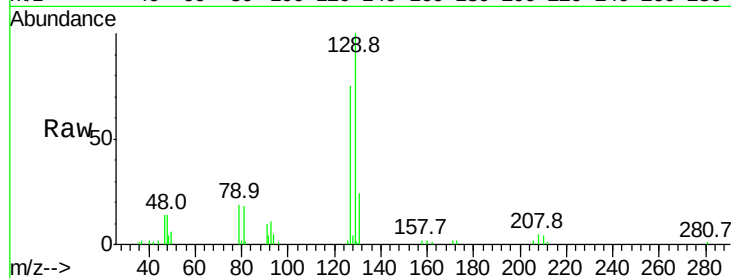
VSTD2.581

Tgt Ion:129 Resp: 10749

Ion Ratio Lower Upper

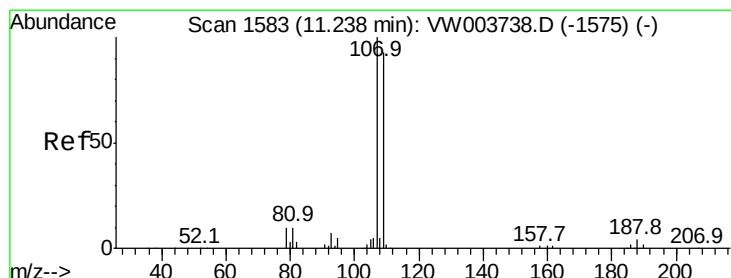
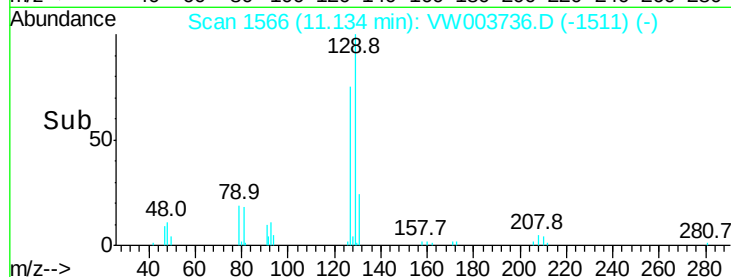
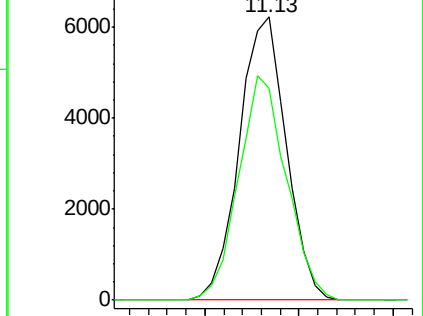
129 100

127 74.7 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.440 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

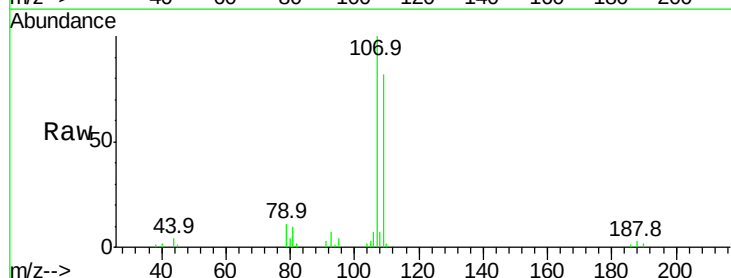
Tgt Ion:107 Resp: 8573

Ion Ratio Lower Upper

107 100

109 82.0 64.8 120.3

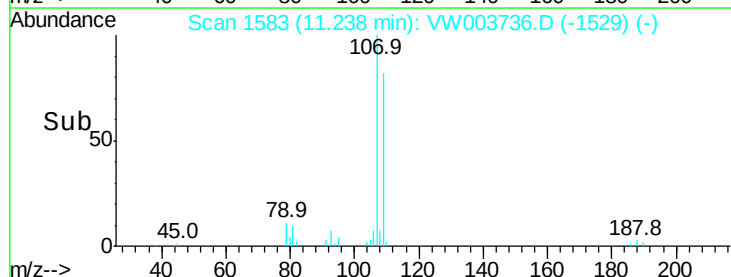
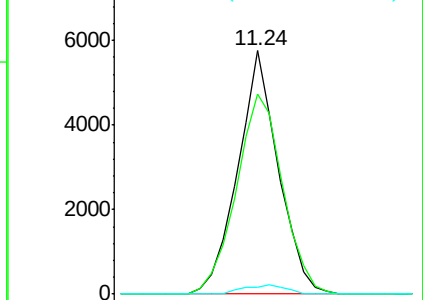
188 3.0 3.4 5.0#

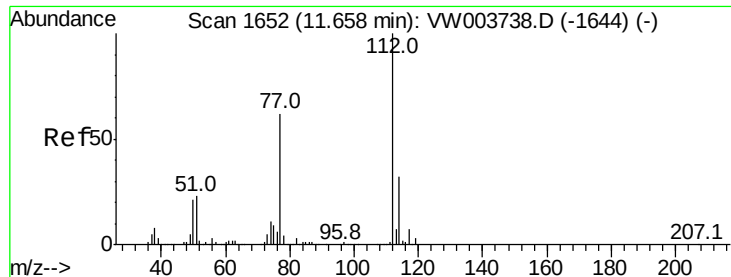


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.562 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

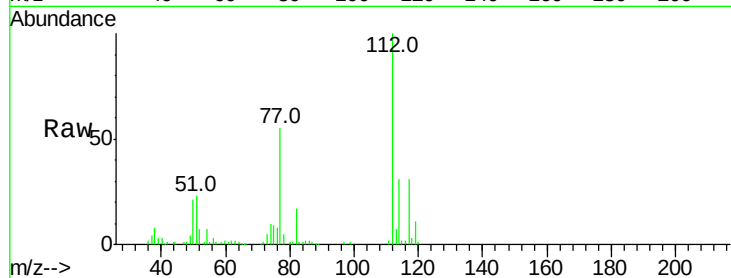
Tgt Ion: 112 Resp: 32479

Ion Ratio Lower Upper

112 100

77 55.5 49.9 74.9

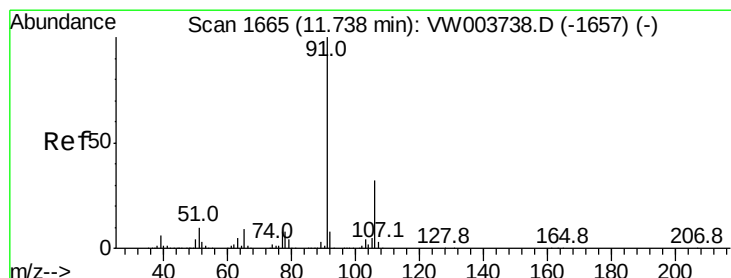
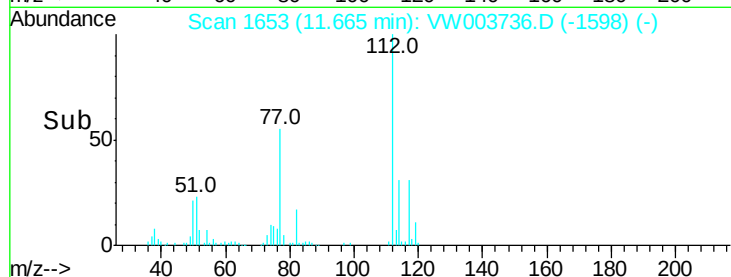
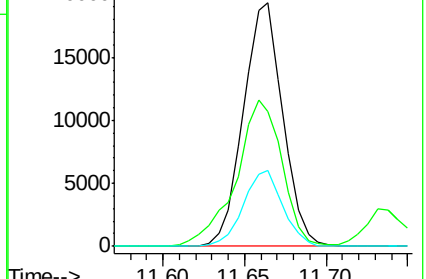
114 31.1 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 2.242 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003736.D

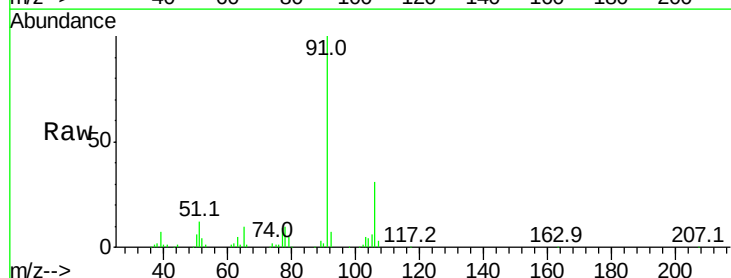
Acq: 06 Jul 2018 09:55

Tgt Ion: 91 Resp: 49084

Ion Ratio Lower Upper

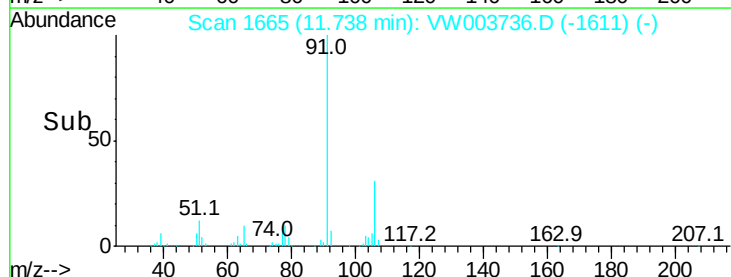
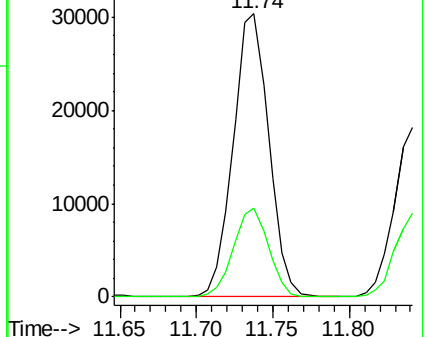
91 100

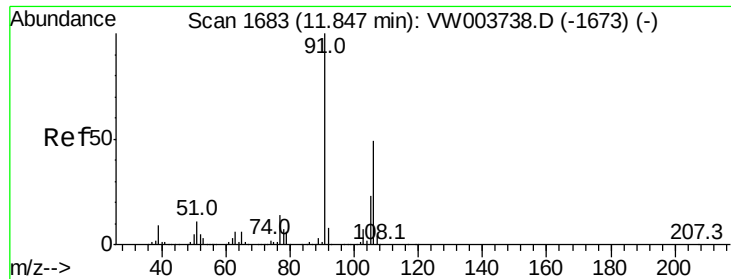
106 31.3 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 2.088 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampled :

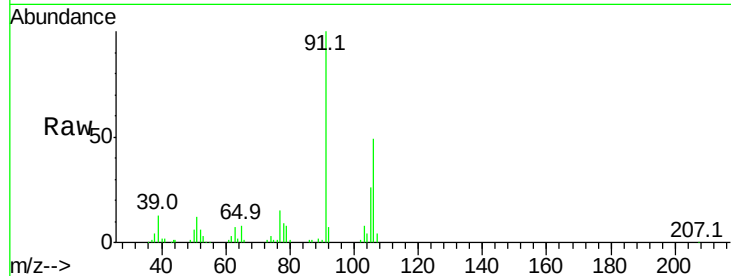
VSTD2.581

Tgt Ion:106 Resp: 16984

Ion Ratio Lower Upper

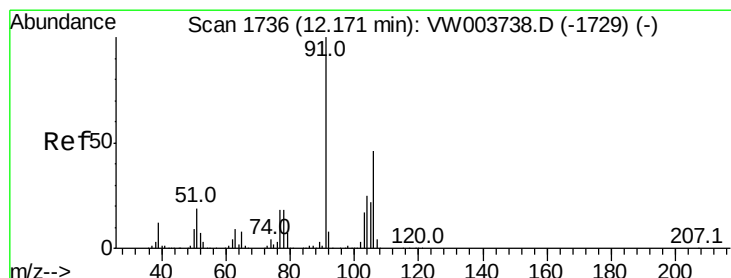
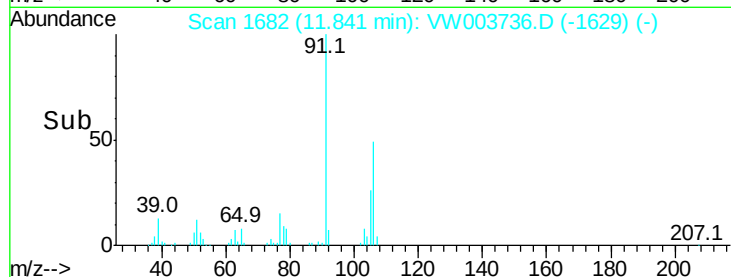
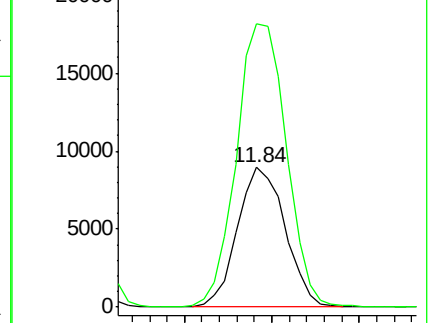
106 100

91 202.4 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.044 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003736.D

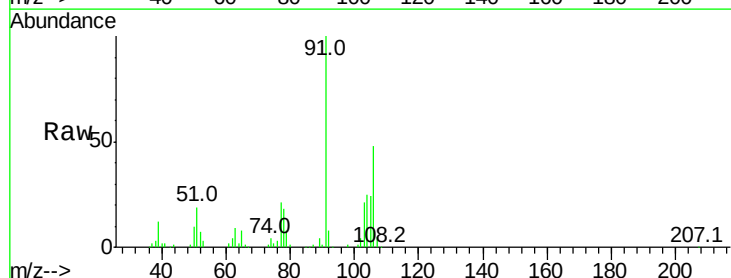
Acq: 06 Jul 2018 09:55

Tgt Ion:106 Resp: 15814

Ion Ratio Lower Upper

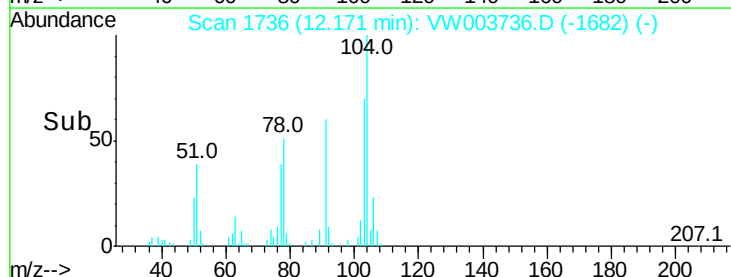
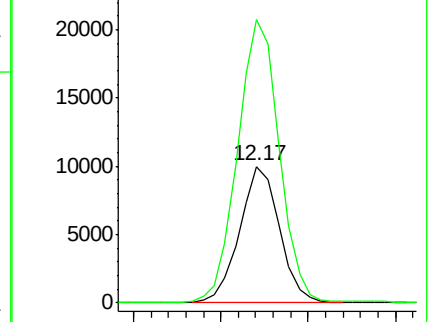
106 100

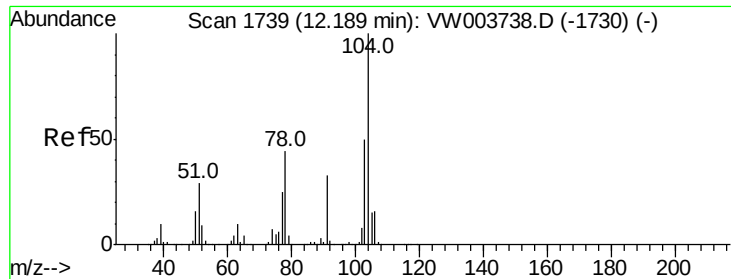
91 207.6 153.7 285.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.033 ug/L

RT: 12.18 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

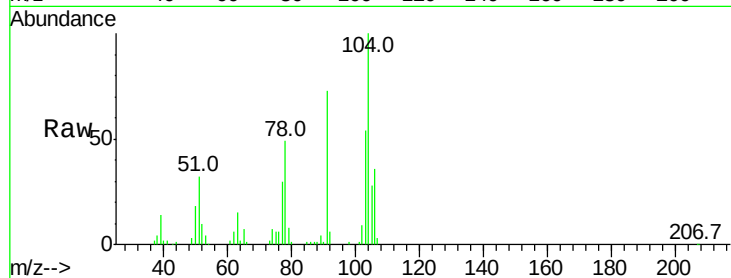
VSTD2.581

Tgt Ion:104 Resp: 27151

Ion Ratio Lower Upper

104 100

78 49.2 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW

12.18

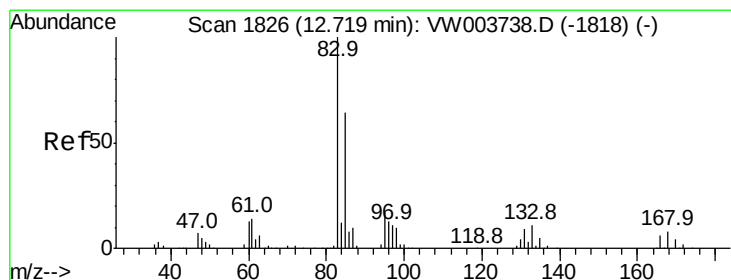
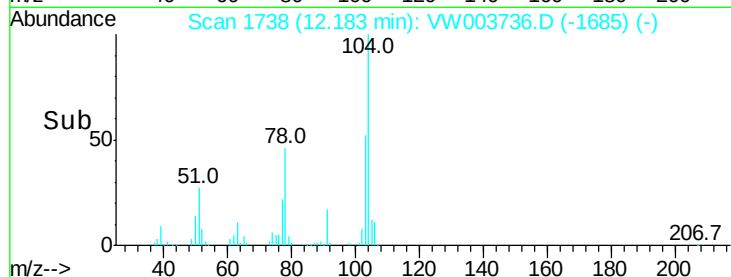
15000

10000

5000

0

Time--> 12.10 12.15 12.20 12.25



#58

1,1,2,2-Tetrachloroethane

Concen: 2.643 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

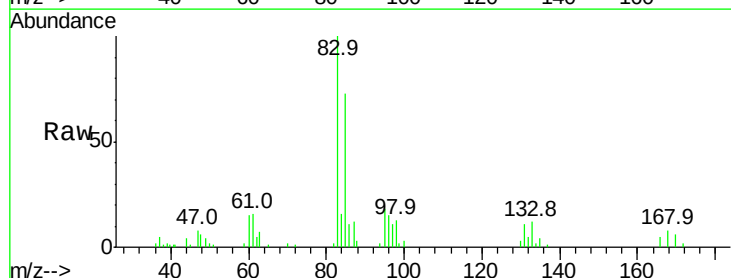
Tgt Ion: 83 Resp: 12319

Ion Ratio Lower Upper

83 100

85 72.7 45.1 83.9

131 10.7 7.5 11.3



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

10000

8000

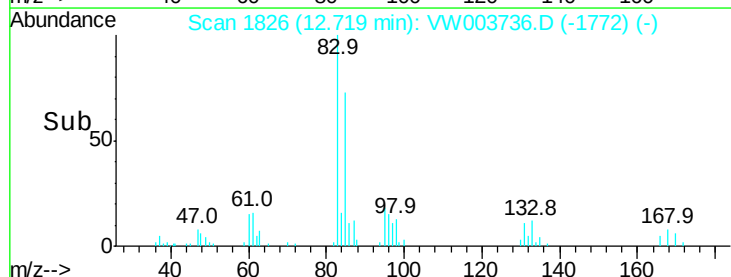
6000

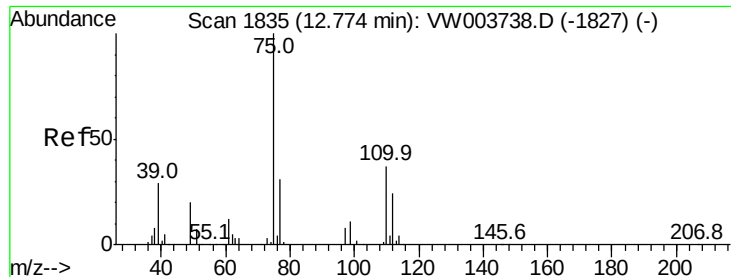
4000

2000

0

Time--> 12.65 12.70 12.75





#59

1,2,3-Trichloropropane

Concen: 2.568 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

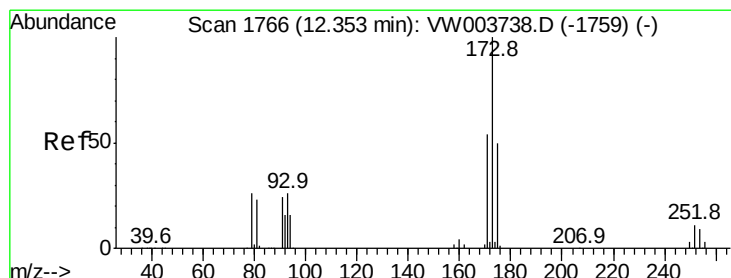
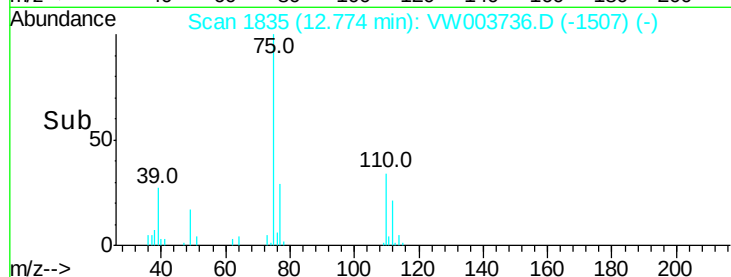
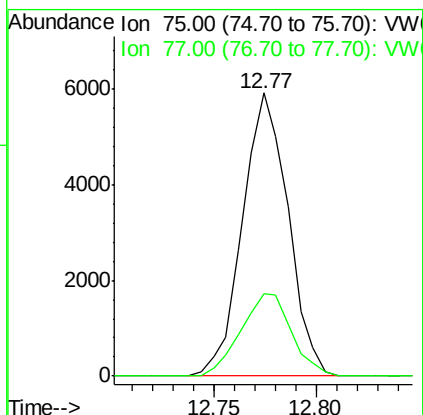
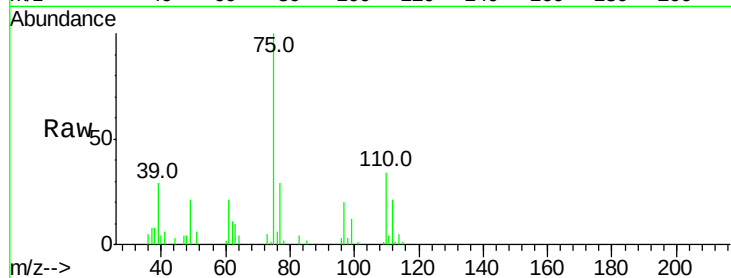
VSTD2.581

Tgt Ion: 75 Resp: 9174

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#62

Bromoform

Concen: 2.650 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

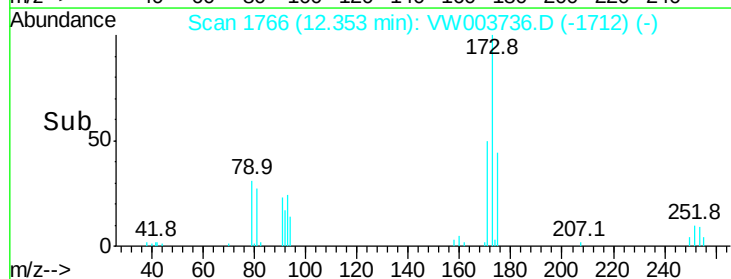
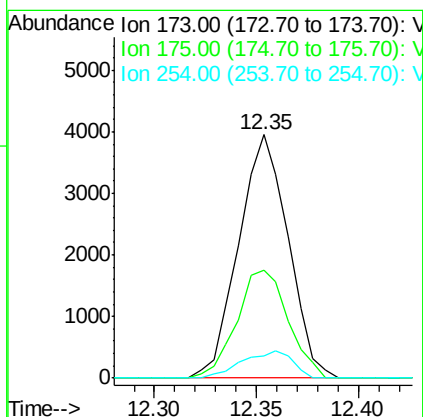
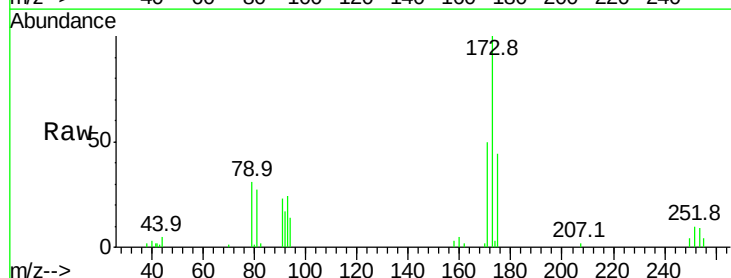
Tgt Ion: 173 Resp: 6665

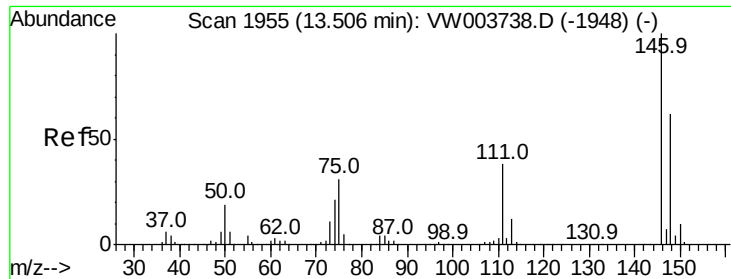
Ion Ratio Lower Upper

173 100

175 46.0 39.5 59.3

254 11.3 7.4 11.0#





#63

1,3-Dichlorobenzene

Concen: 2.382 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

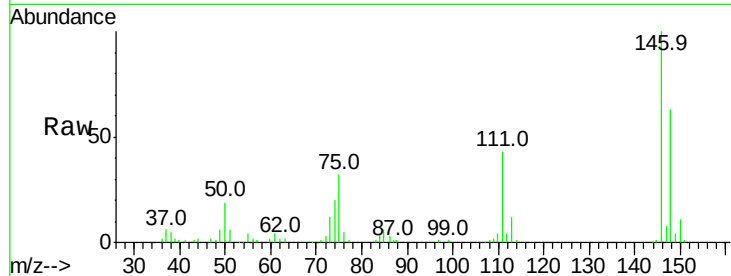
Tgt Ion:146 Resp: 21893

Ion Ratio Lower Upper

146 100

111 42.7 26.9 50.1

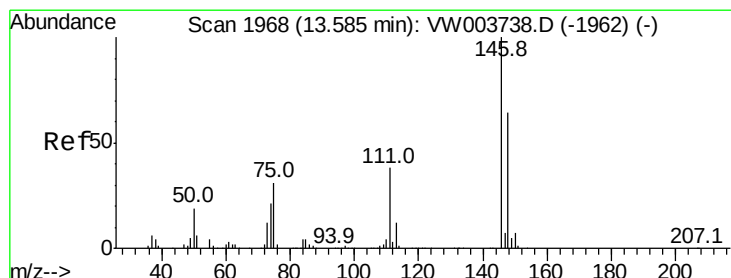
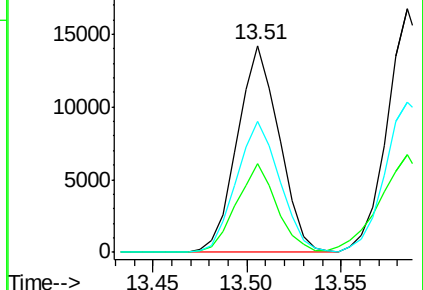
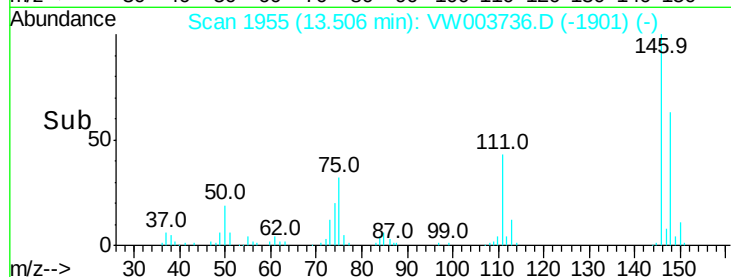
148 63.4 43.2 80.2



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



#64

1,4-Dichlorobenzene

Concen: 2.733 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

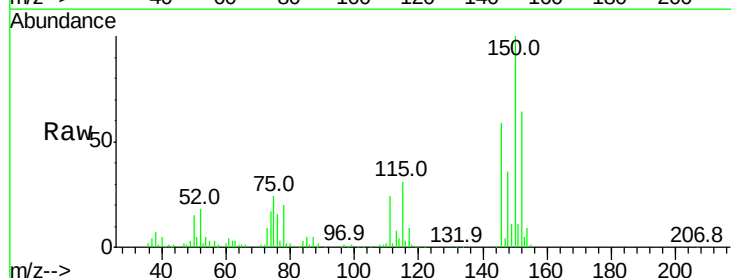
Tgt Ion:146 Resp: 26331

Ion Ratio Lower Upper

146 100

111 40.2 27.0 50.2

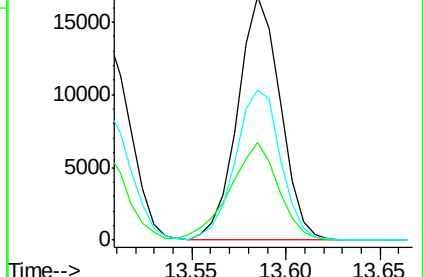
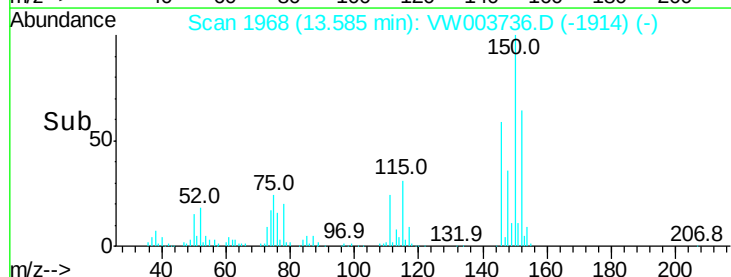
148 61.5 44.5 82.7

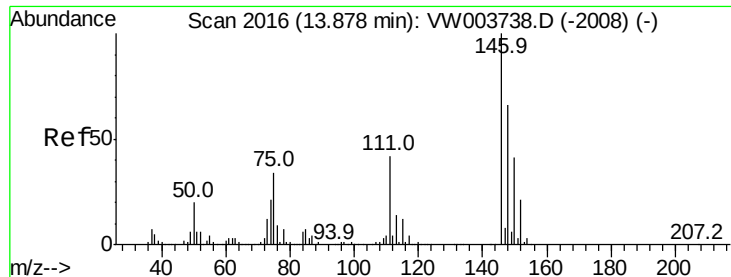


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

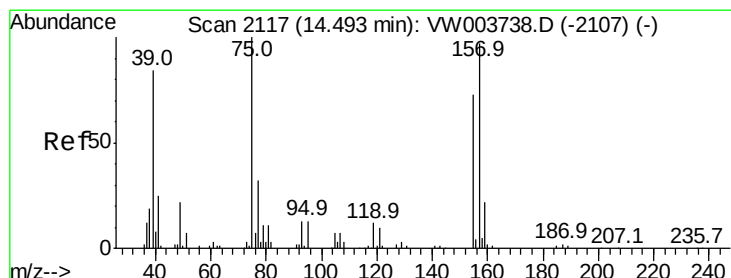
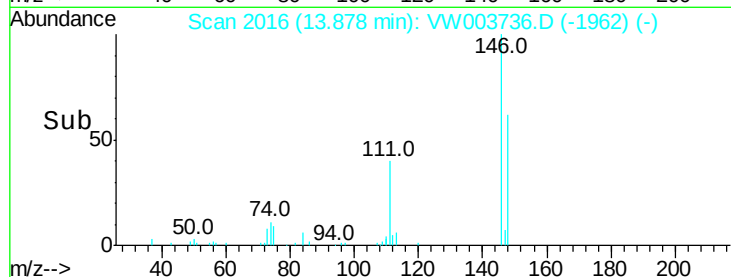
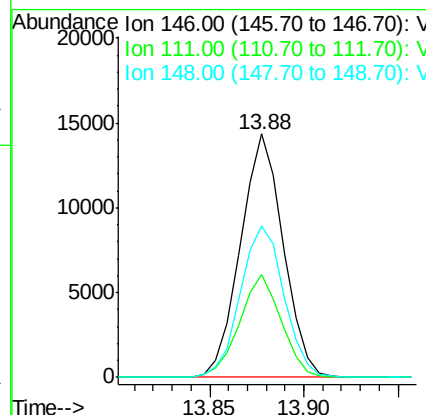
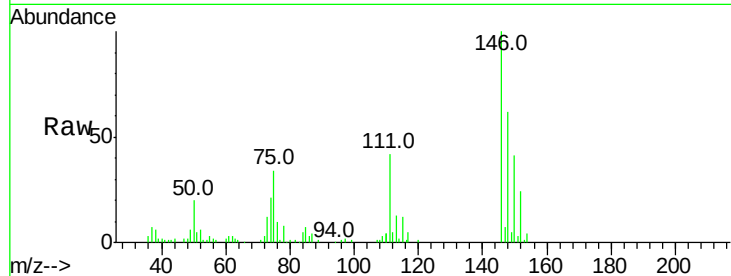




#65
 1,2-Dichlorobenzene
 Concen: 2.573 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

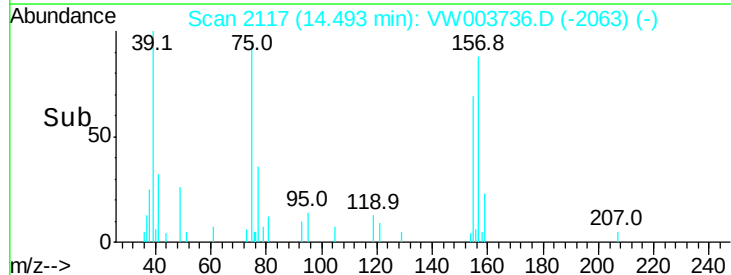
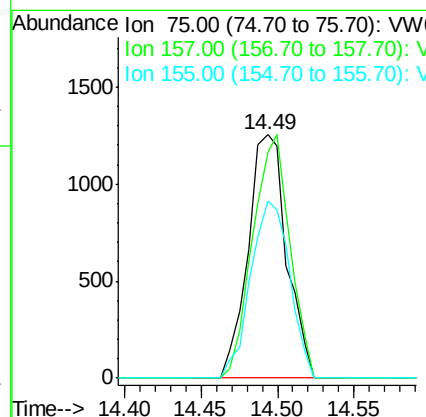
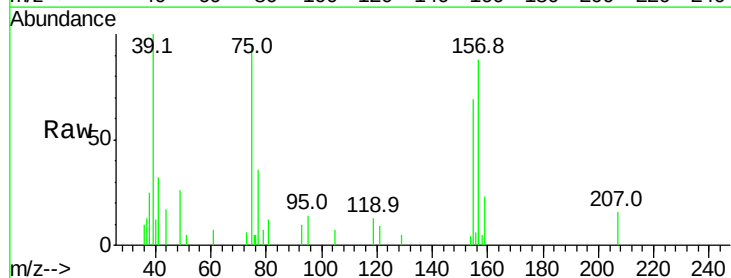
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

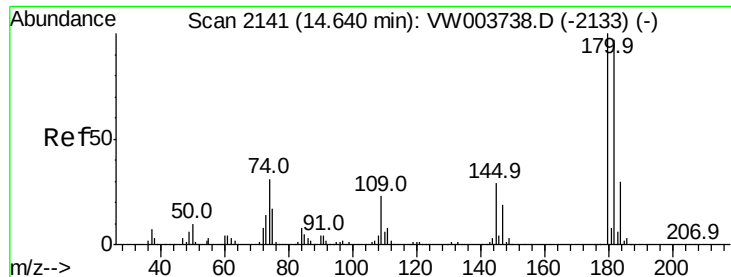
Tgt Ion: 146 Resp: 22571
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.8 50.8
 148 62.1 52.8 79.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.846 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Tgt Ion: 75 Resp: 2191
 Ion Ratio Lower Upper
 75 100
 157 92.6 77.3 115.9
 155 72.7 58.2 87.2

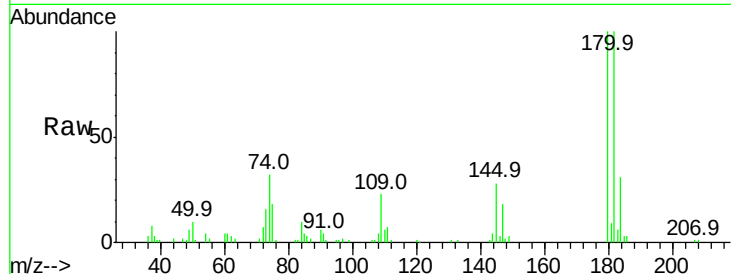




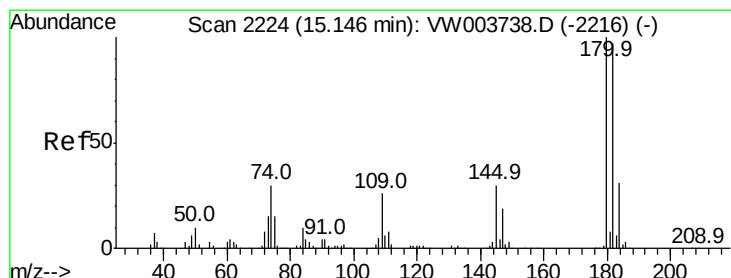
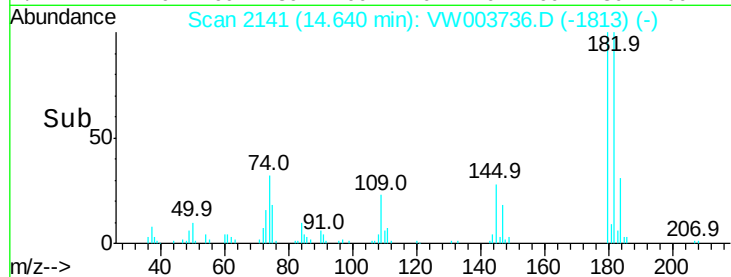
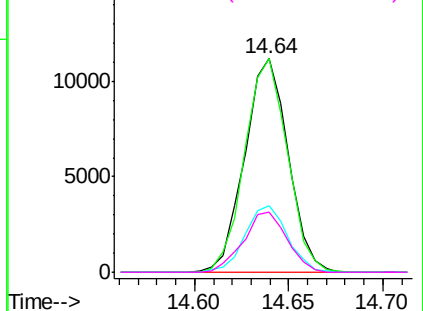
#67
 1,3,5-Trichlorobenzene
 Concen: 2.507 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

Tgt Ion:180 Resp: 17901
 Ion Ratio Lower Upper
 180 100
 182 98.1 76.7 115.1
 184 30.6 24.1 36.1
 145 28.3 23.5 35.3

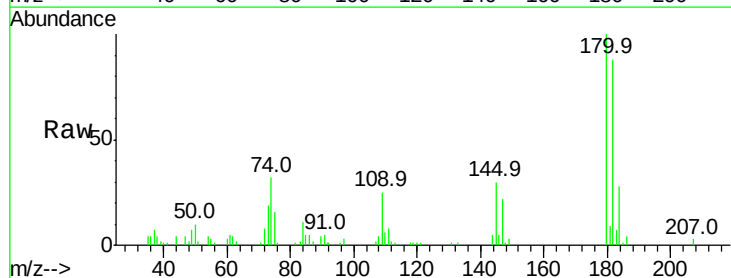


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

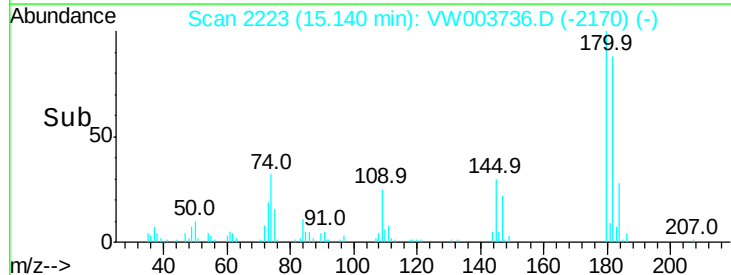
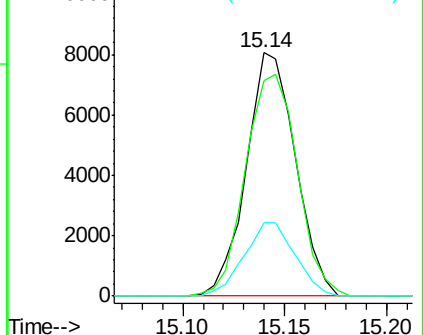


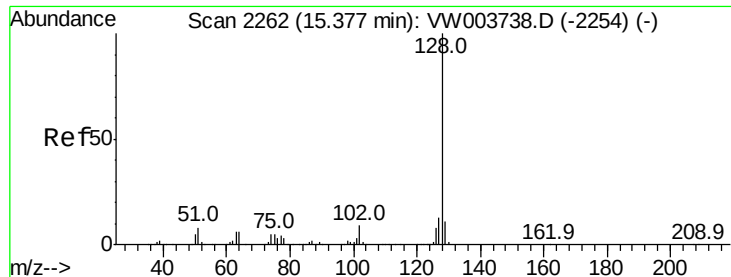
#68
 1,2,4-trichlorobenzene
 Concen: 2.329 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW003736.D
 Acq: 06 Jul 2018 09:55

Tgt Ion:180 Resp: 13539
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.2
 145 31.3 23.8 35.6



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





#69

Naphthalene

Concen: 2.100 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

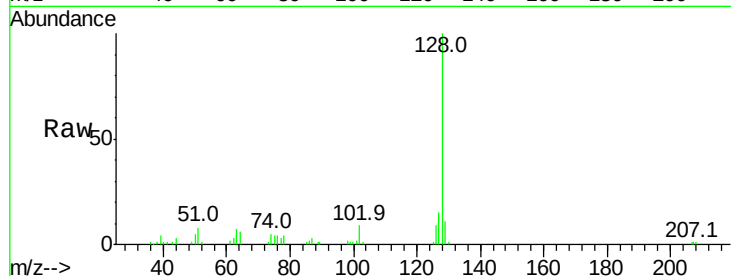
Tgt Ion:128 Resp: 22844

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

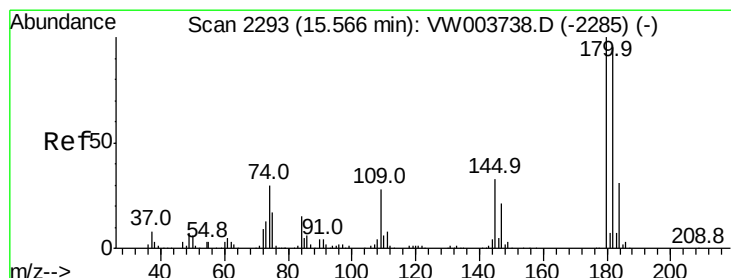
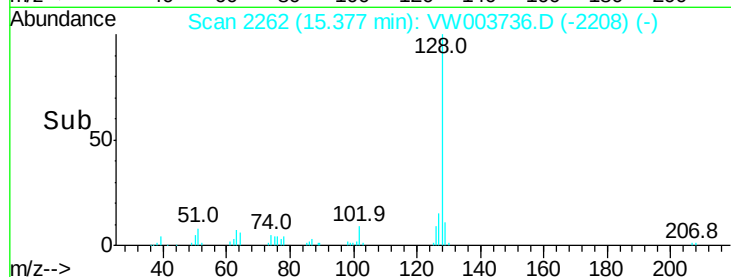
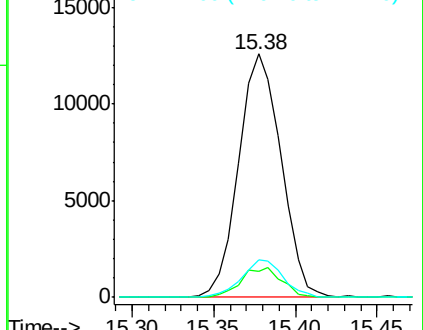
127 15.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.472 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003736.D

Acq: 06 Jul 2018 09:55

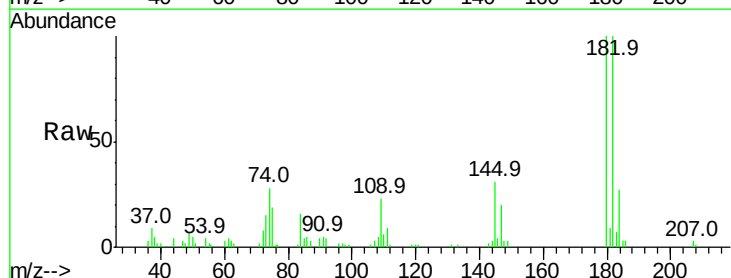
Tgt Ion:180 Resp: 13173

Ion Ratio Lower Upper

180 100

182 93.3 75.4 113.2

145 30.2 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

