

Data File : VW004659.D
Acq On : 14 Aug 2018 09:46
Operator : SY/AP
Sample : VSTD2.589
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.590

Quant Time: Aug 14 11:11:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 11:11:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	969178	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	968679	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	465156	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	40194	3.33	ug/L	0.00
7) Chloroethane-d5	2.90	69	29779	2.94	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	70414	2.88	ug/L	0.00
20) 2-Butanone-d5	7.10	46	14345	2.70	ug/L	0.00
24) Chloroform-d	7.65	84	65336	2.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33847	2.31	ug/L	0.00
29) Benzene-d6	8.28	84	125932	2.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	40697	2.42	ug/L	0.00
37) Toluene-d8	10.33	98	107208	2.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	14456	2.09	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	10501	2.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	35150	1.92	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	43273	2.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	23124	2.295 ug/L	95
3) Chloromethane	2.22	50	35315	2.653 ug/L	95
5) Vinyl chloride	2.37	62	53472	3.079 ug/L	99
6) Bromomethane	2.79	94	30973	3.083 ug/L	99
8) Chloroethane	2.93	64	29654	2.846 ug/L	88
9) Trichlorofluoromethane	3.26	101	26247	3.313 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	38337	2.787 ug/L	99
12) 1,1-Dichloroethene	4.04	96	37596	2.798 ug/L	91
13) Acetone	4.15	43	20397	4.429 ug/L	99
14) Carbon disulfide	4.38	76	130888	3.175 ug/L	100
16) Methylene chloride	4.92	84	72768	3.780 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	44599	2.452 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	37370	2.719 ug/L	98
19) 1,1-Dichloroethane	6.22	63	68763	2.637 ug/L	95
21) 2-Butanone	7.19	43	25119	3.985 ug/L	75
22) cis-1,2-Dichloroethene	7.17	96	38773	2.585 ug/L	99
23) Bromochloromethane	7.52	128	18771	2.615 ug/L	94
25) Chloroform	7.68	83	68829	2.586 ug/L	99
27) 1,2-Dichloroethane	8.40	62	42699	2.388 ug/L	98
30) Cyclohexane	7.96	56	50291	2.195 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	54427	2.645 ug/L	98
32) Carbon tetrachloride	8.07	117	51714	2.607 ug/L	99
34) Benzene	8.33	78	150102	2.513 ug/L	100
35) Trichloroethene	9.09	95	38939	2.592 ug/L	99
36) Methylcyclohexane	9.34	83	62357	2.365 ug/L	96
40) 1,2-Dichloropropane	9.37	63	37895	2.396 ug/L	97
41) Bromodichloromethane	9.65	83	44650	2.350 ug/L	92
42) cis-1,3-Dichloropropene	10.08	75	47700	2.204 ug/L	94
43) 4-Methyl-2-pentanone	10.22	43	39056	3.293 ug/L	98
44) Toluene	10.39	91	145362	2.419 ug/L	98

Data File : VW004659.D
Acq On : 14 Aug 2018 09:46
Operator : SY/AP
Sample : VSTD2.589
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.590

Quant Time: Aug 14 11:11:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 11:11:08 2018
Response via : Initial Calibration

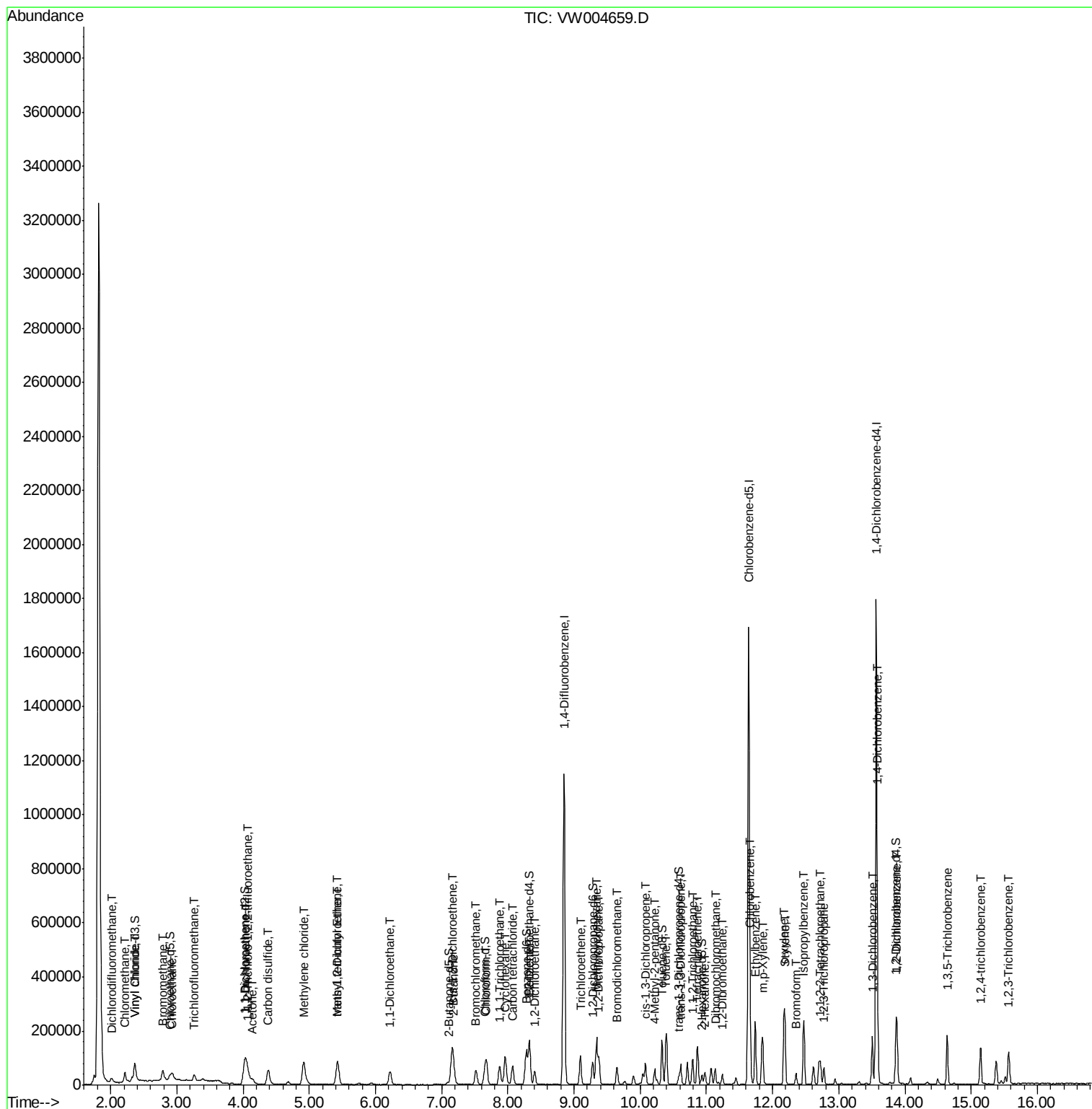
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	40817	2.098	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	28446	2.313	ug/L	95
47) Tetrachloroethene	10.87	164	32654	2.747	ug/L	97
49) 2-Hexanone	10.98	43	26254	2.946	ug/L	96
50) Dibromochloromethane	11.13	129	31041	2.276	ug/L	91
51) 1,2-Dibromoethane	11.24	107	25881	2.196	ug/L	94
52) Chlorobenzene	11.66	112	104360	2.568	ug/L	99
53) Ethylbenzene	11.74	91	157079	2.326	ug/L	98
54) m,p-Xylene	11.85	106	57812	2.294	ug/L	94
55) o-xylene	12.17	106	53377	2.236	ug/L	100
56) Styrene	12.19	104	87789	2.110	ug/L	95
57) Isopropylbenzene	12.47	105	143180	2.216	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	38019	2.130	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	26977	2.024	ug/L	98
62) Bromoform	12.35	173	18238	2.157	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	73769	2.549	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	83168	2.674	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	74532	2.570	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	59382	2.588	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	44726	2.409	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	41297	2.284	ug/L	97

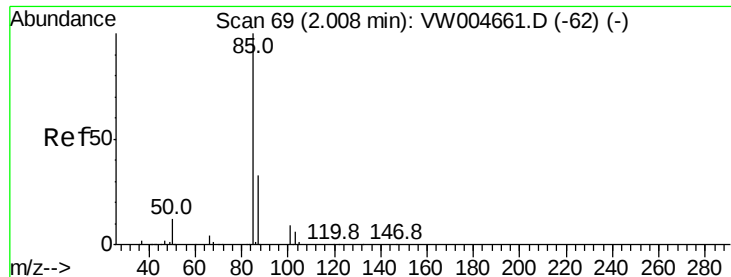
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW004659.D
Acq On : 14 Aug 2018 09:46
Operator : SY/AP
Sample : VSTD2.589
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.590

Quant Time: Aug 14 11:11:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 11:11:08 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.295 ug/L

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

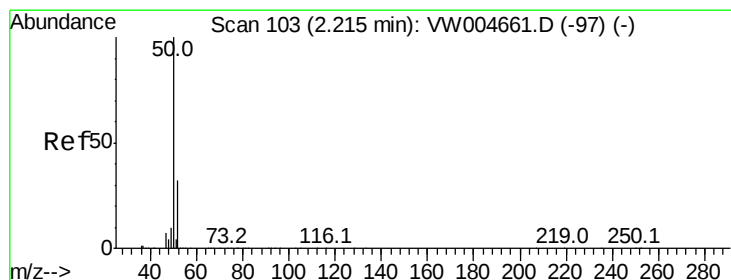
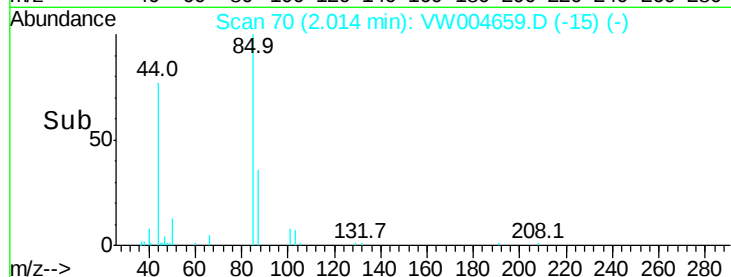
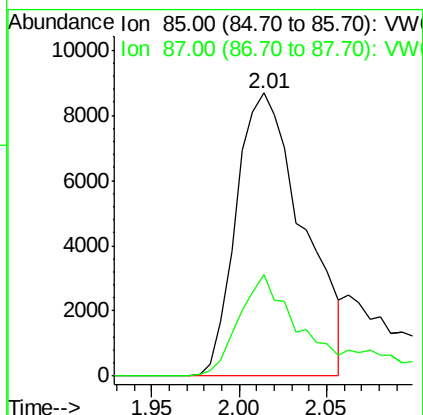
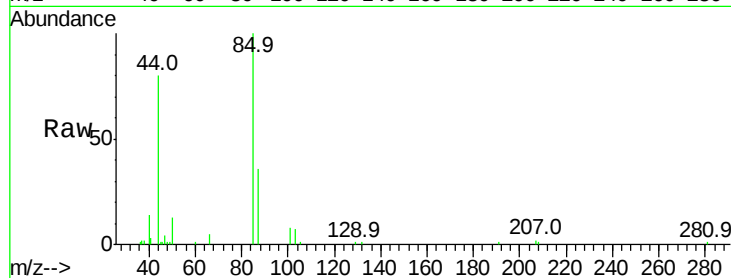
VSTD2.590

Tgt Ion: 85 Resp: 23124

Ion Ratio Lower Upper

85 100

87 31.3 19.9 37.0



#3

Chloromethane

Concen: 2.653 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004659.D

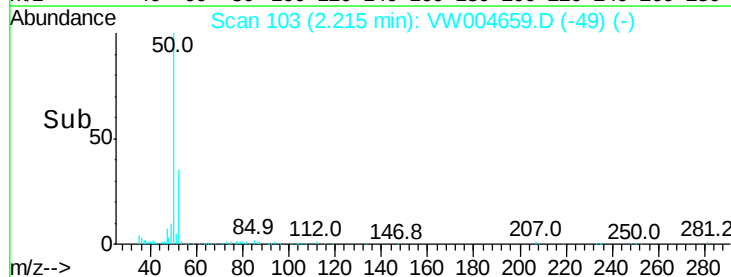
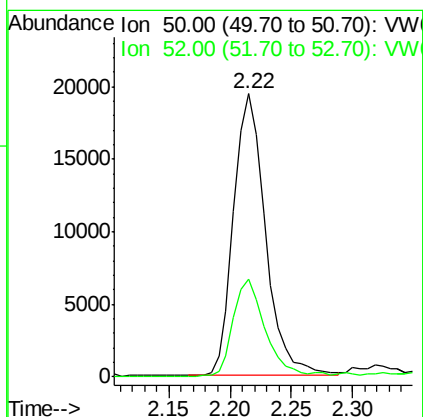
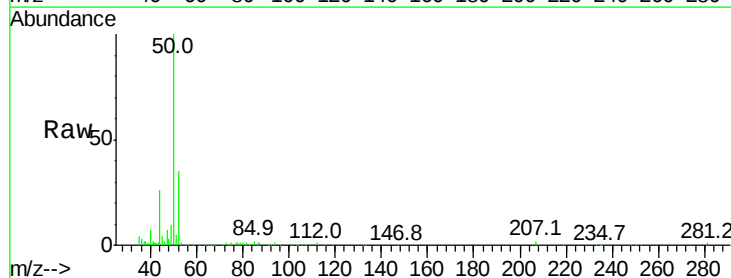
Acq: 14 Aug 2018 09:46

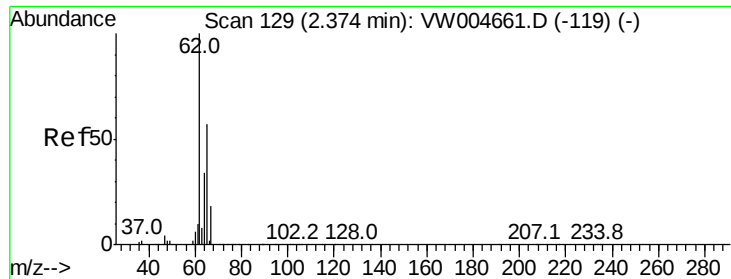
Tgt Ion: 50 Resp: 35315

Ion Ratio Lower Upper

50 100

52 34.6 22.4 41.6





#5

Vinyl chloride

Concen: 3.079 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

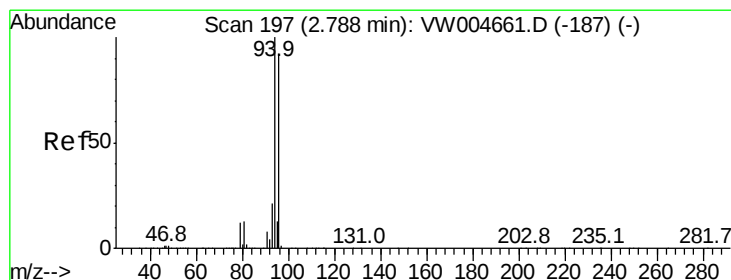
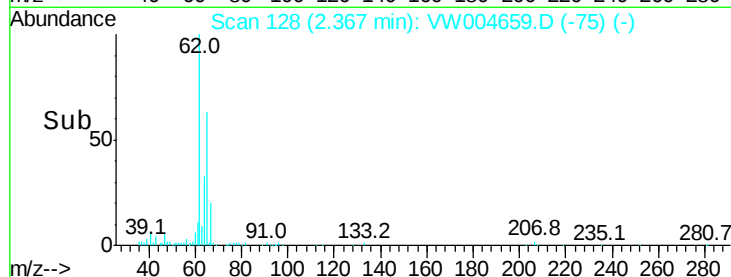
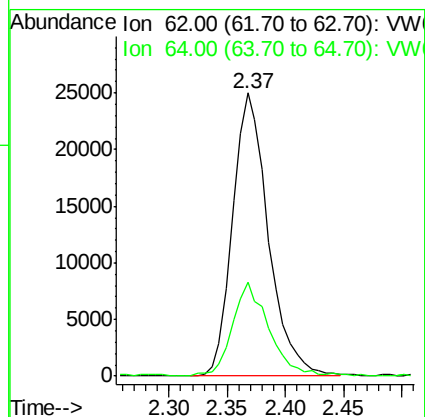
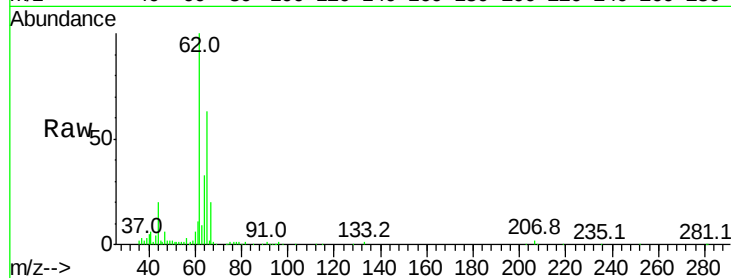
VSTD2.590

Tgt Ion: 62 Resp: 53472

Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



#6

Bromomethane

Concen: 3.083 ug/L

RT: 2.79 min Scan# 197

Delta R.T. -0.00 min

Lab File: VW004659.D

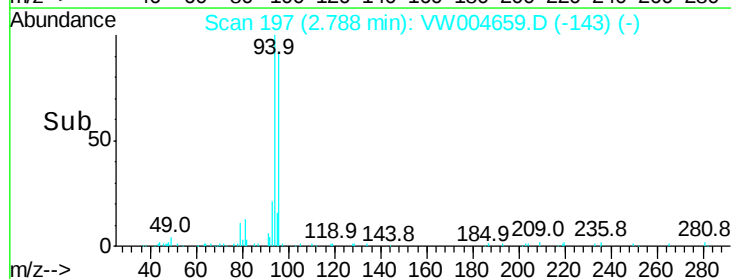
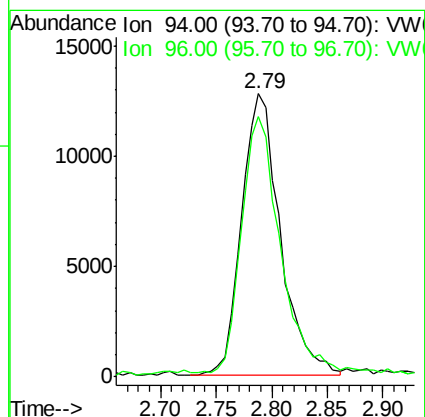
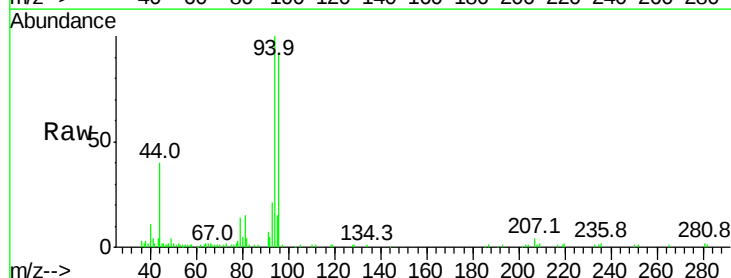
Acq: 14 Aug 2018 09:46

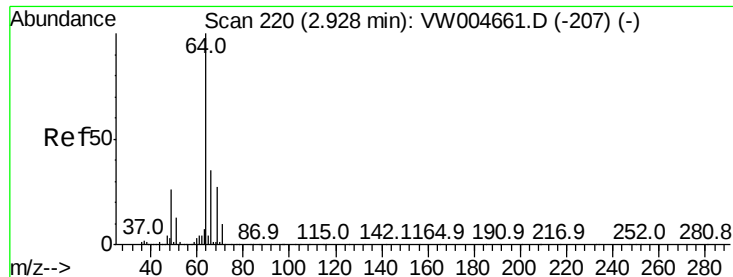
Tgt Ion: 94 Resp: 30973

Ion Ratio Lower Upper

94 100

96 92.9 9.3 177.7





#8

Chloroethane

Concen: 2.846 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

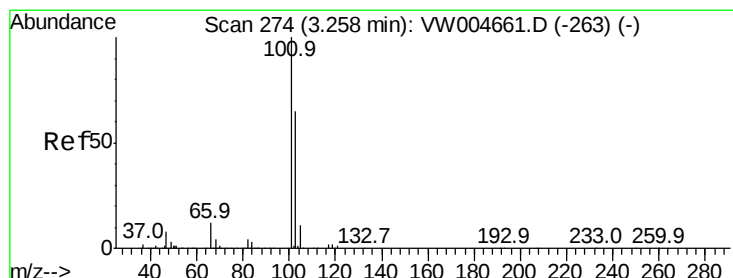
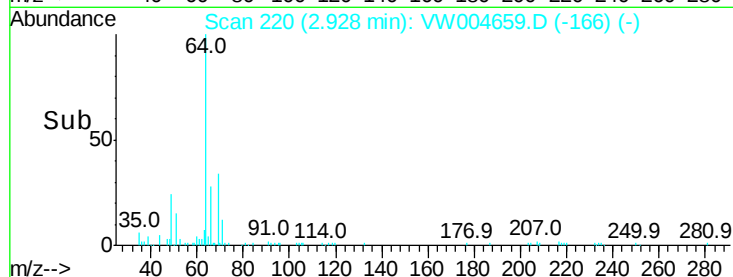
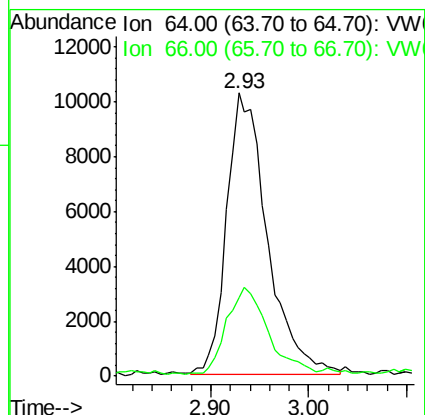
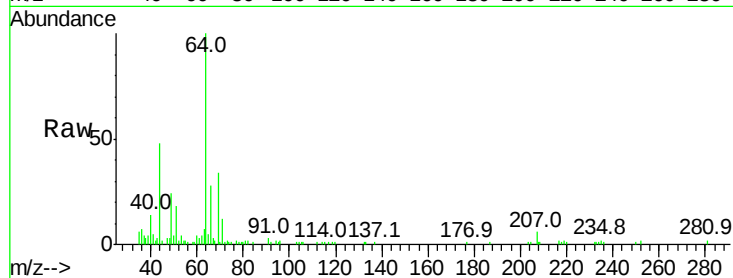
VSTD2.590

Tgt Ion: 64 Resp: 29654

Ion Ratio Lower Upper

64 100

66 27.6 24.2 45.0



#9

Trichlorofluoromethane

Concen: 3.313 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.01 min

Lab File: VW004659.D

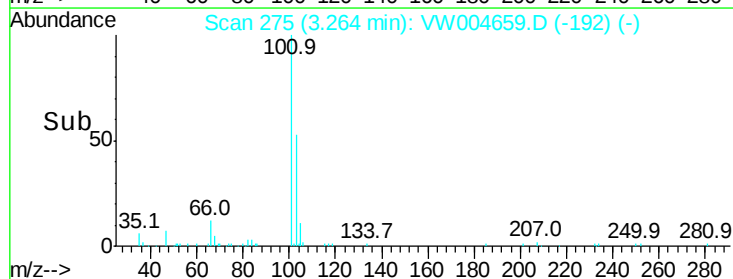
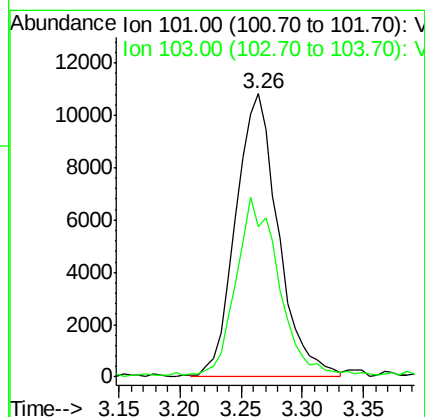
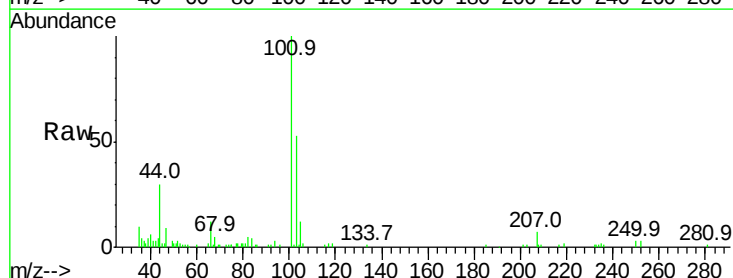
Acq: 14 Aug 2018 09:46

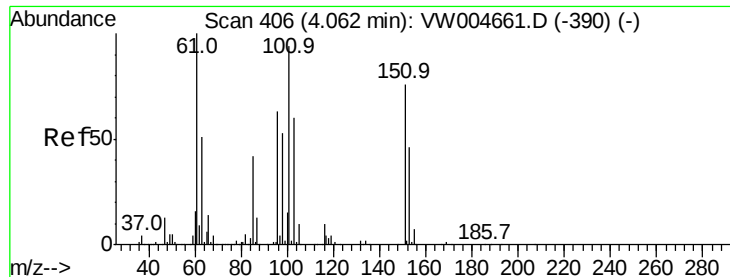
Tgt Ion: 101 Resp: 26247

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.7





#11

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

Concen: 2.787 ug/L

RT: 4.07 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

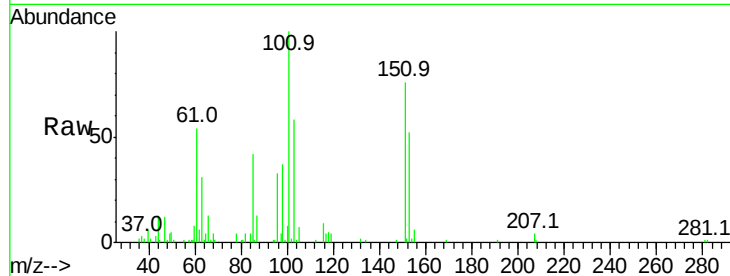
Tgt Ion:101 Resp: 38337

Ion Ratio Lower Upper

101 100

85 41.3 33.2 49.8

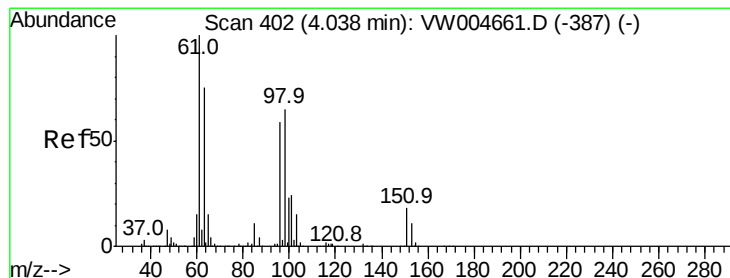
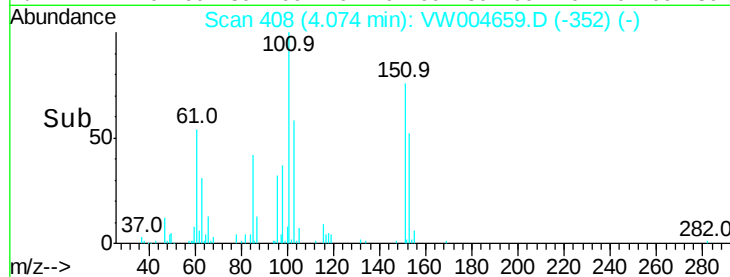
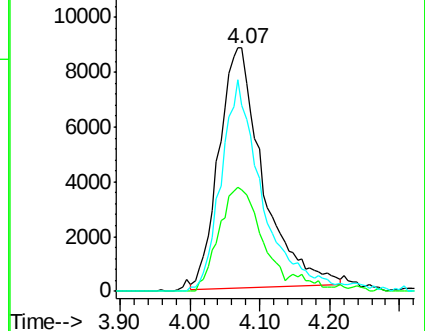
151 80.1 63.0 94.6



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: 2.798 ug/L

RT: 4.04 min Scan# 402

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

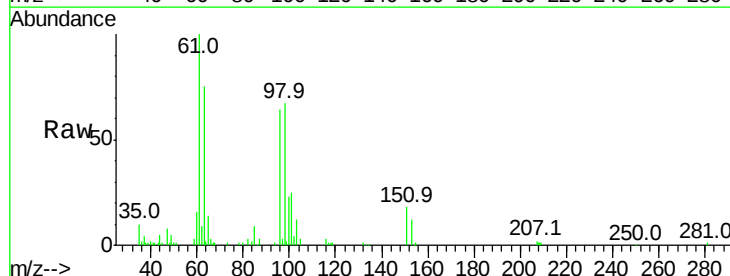
Tgt Ion: 96 Resp: 37596

Ion Ratio Lower Upper

96 100

61 157.1 118.9 220.7

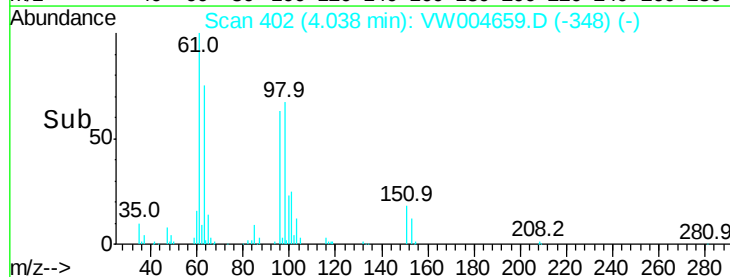
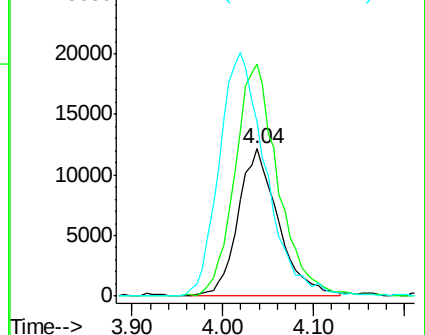
63 118.1 88.9 165.1

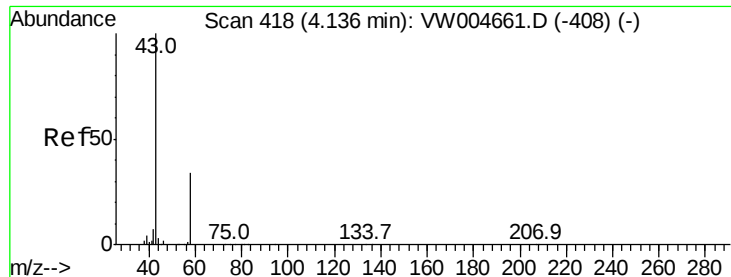


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.429 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

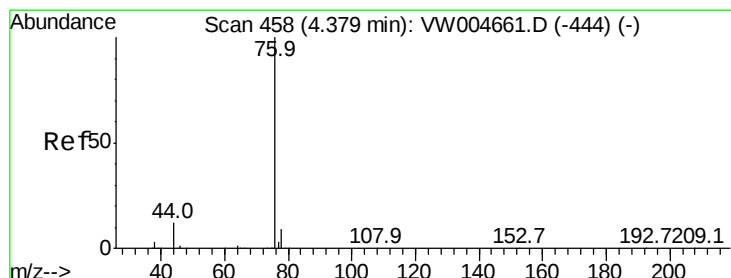
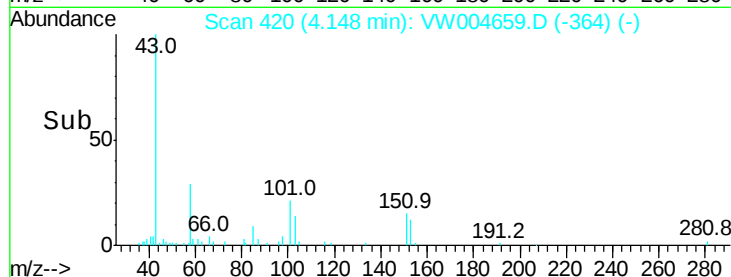
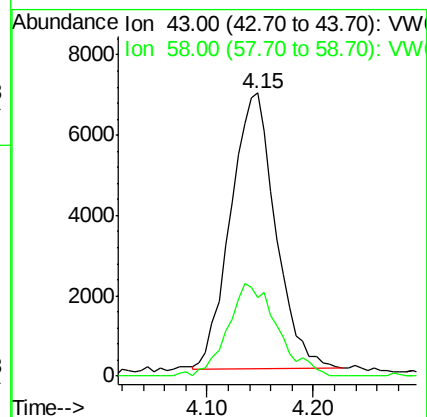
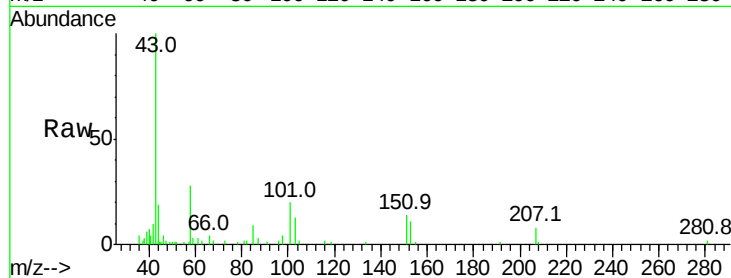
VSTD2.590

Tgt Ion: 43 Resp: 20397

Ion Ratio Lower Upper

43 100

58 34.4 0.0 69.4



#14

Carbon disulfide

Concen: 3.175 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004659.D

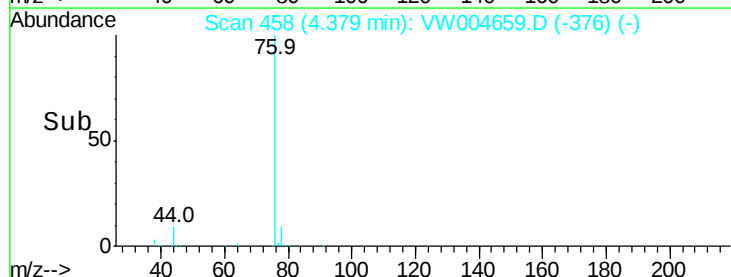
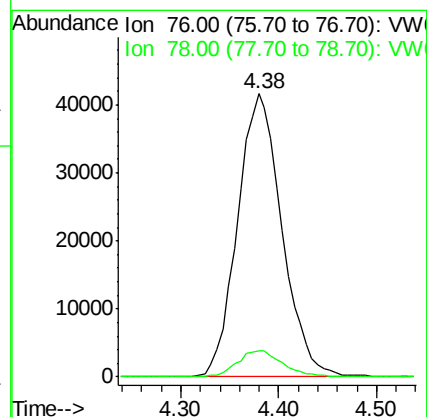
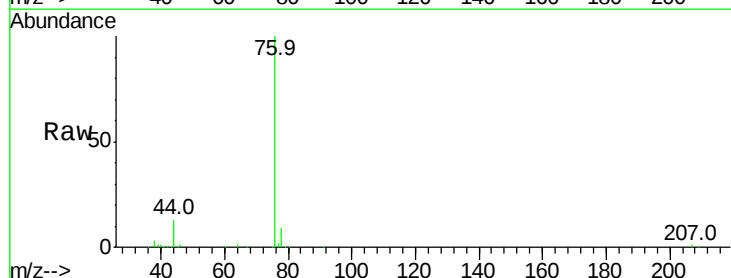
Acq: 14 Aug 2018 09:46

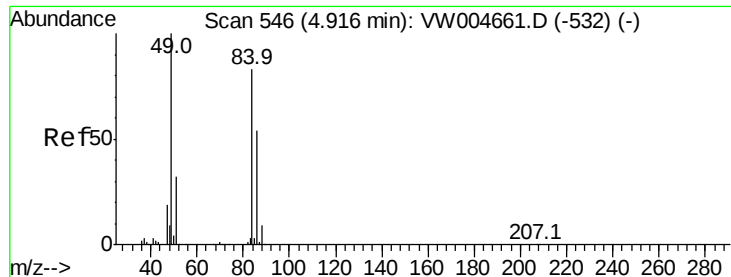
Tgt Ion: 76 Resp: 130888

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

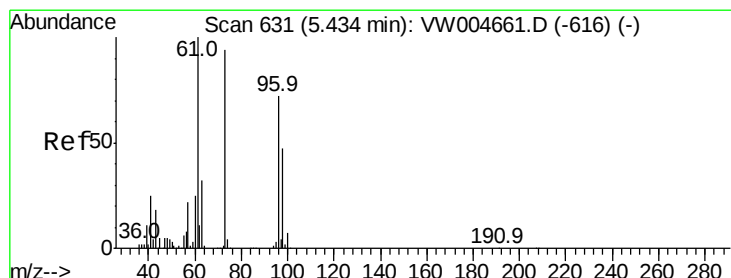
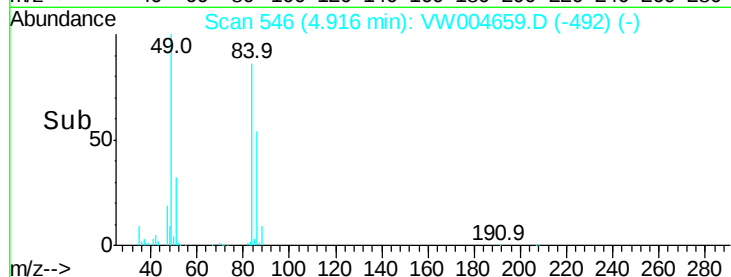
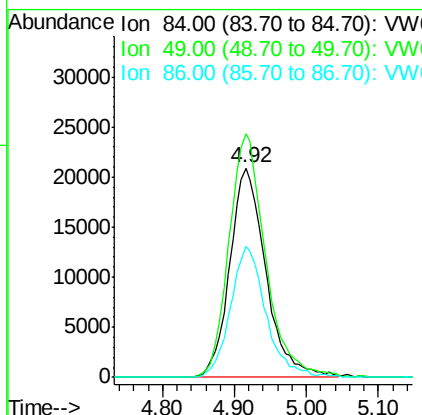
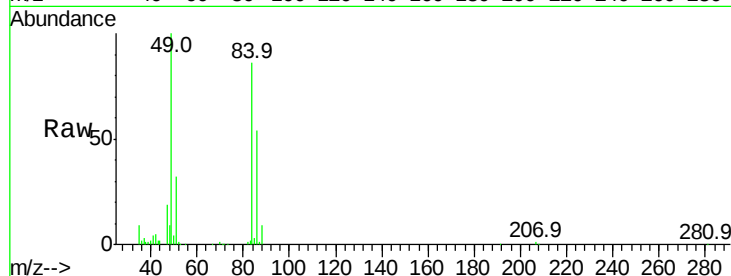




#16
Methylene chloride
Concen: 3.780 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004659.D
Acq: 14 Aug 2018 09:46

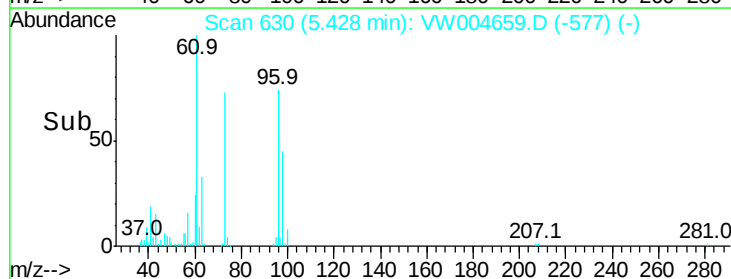
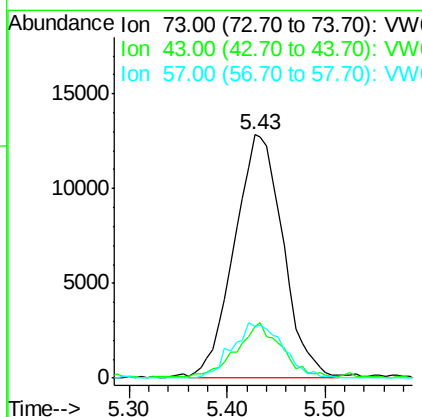
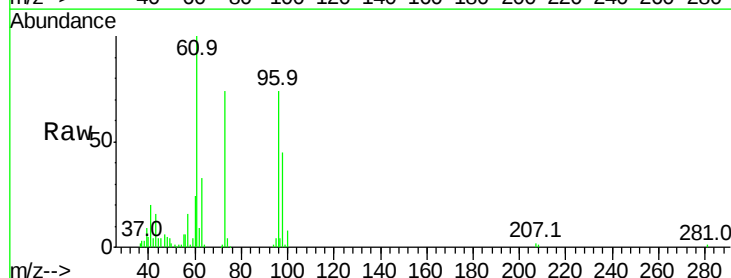
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.590

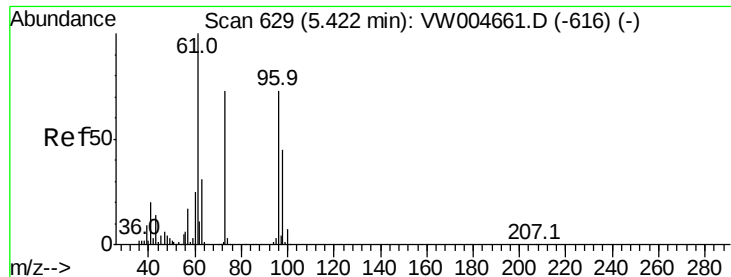
Tgt Ion: 84 Resp: 72768
Ion Ratio Lower Upper
84 100
49 116.3 84.9 157.7
86 62.3 45.7 84.9



#17
Methyl tert-butyl Ether
Concen: 2.452 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004659.D
Acq: 14 Aug 2018 09:46

Tgt Ion: 73 Resp: 44599
Ion Ratio Lower Upper
73 100
43 20.5 15.0 22.6
57 23.3 18.6 27.8





#18

trans-1,2-Dichloroethene

Concen: 2.719 ug/L

RT: 5.43 min Scan# 630

Delta R.T. 0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

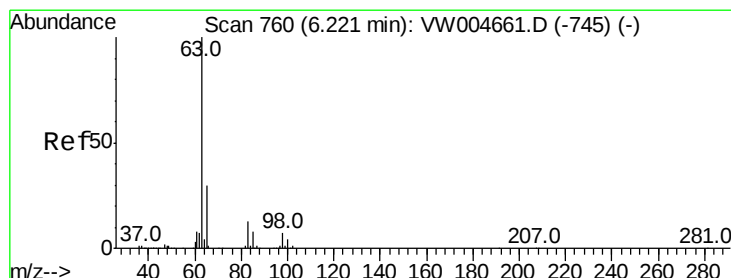
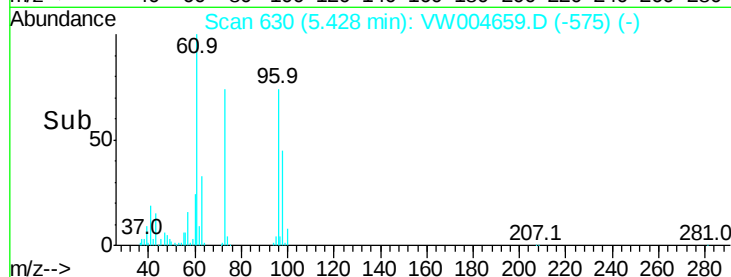
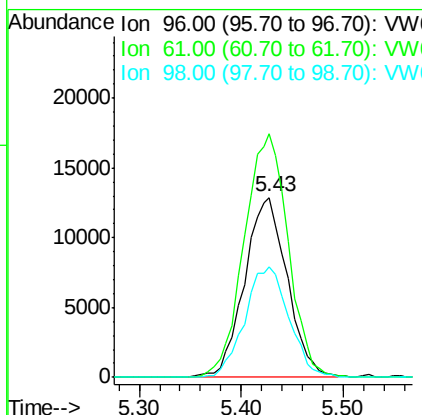
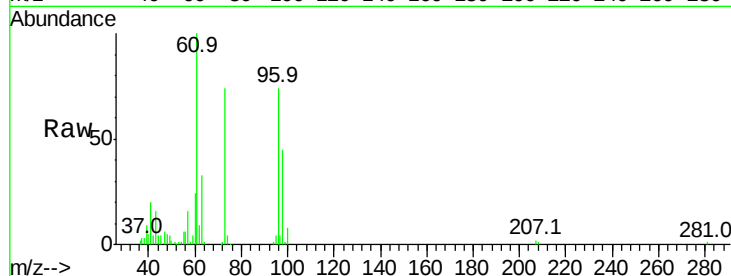
Tgt Ion: 96 Resp: 37370

Ion Ratio Lower Upper

96 100

61 135.1 96.1 178.5

98 61.1 43.3 80.5



#19

1,1-Dichloroethane

Concen: 2.637 ug/L

RT: 6.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

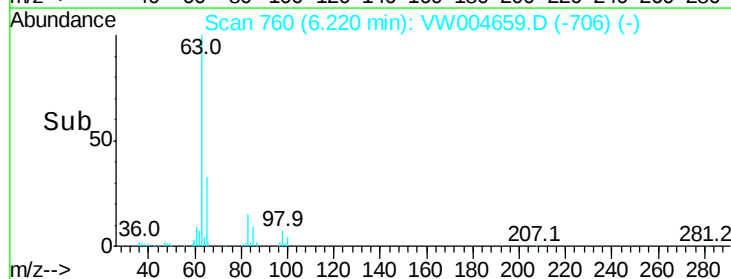
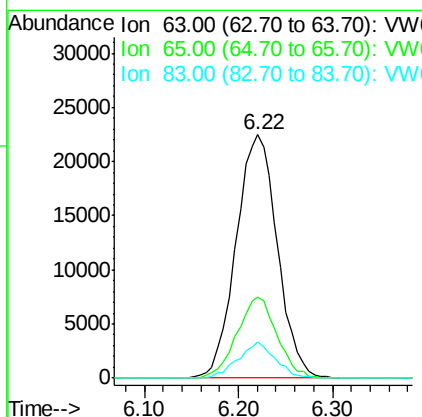
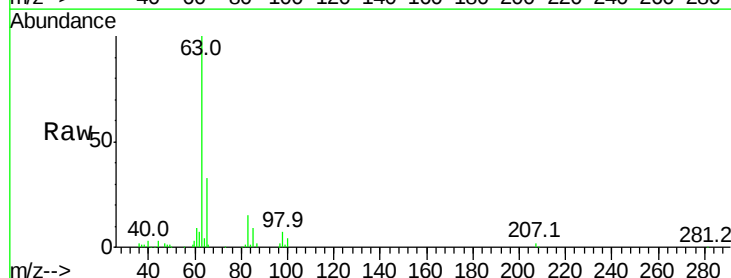
Tgt Ion: 63 Resp: 68763

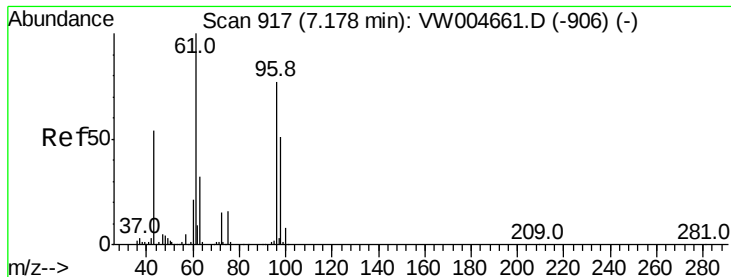
Ion Ratio Lower Upper

63 100

65 33.1 21.2 39.4

83 14.8 9.2 17.0





#21

2-Butanone

Concen: 3.985 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

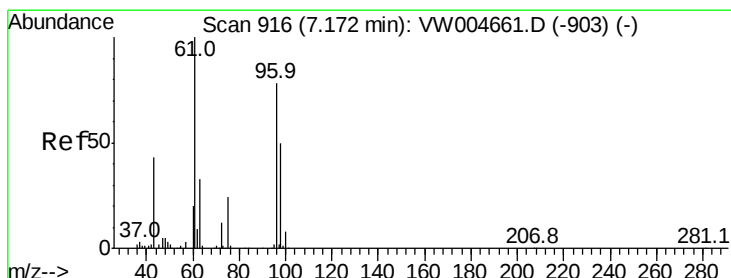
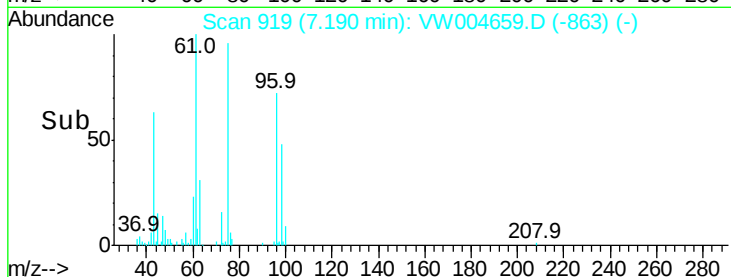
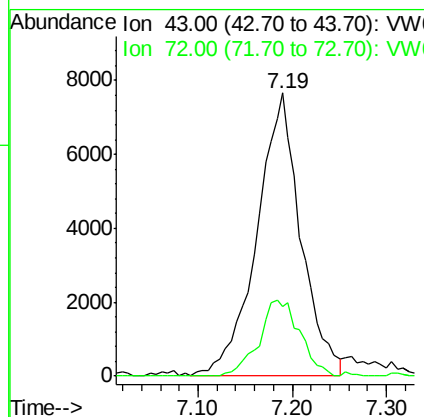
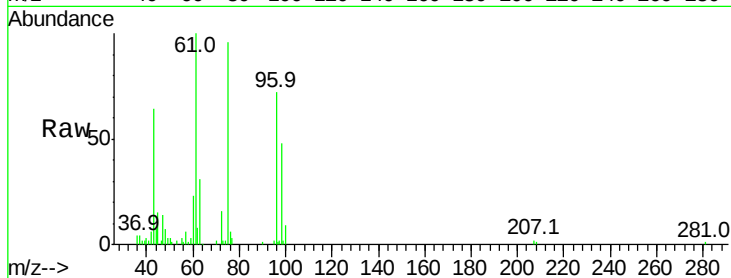
VSTD2.590

Tgt Ion: 43 Resp: 25119

Ion Ratio Lower Upper

43 100

72 15.2 14.1 42.2



#22

cis-1,2-Dichloroethene

Concen: 2.585 ug/L

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

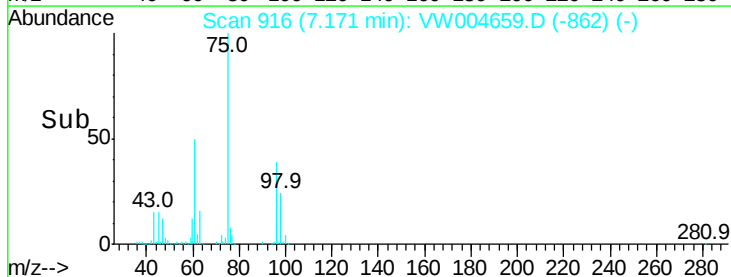
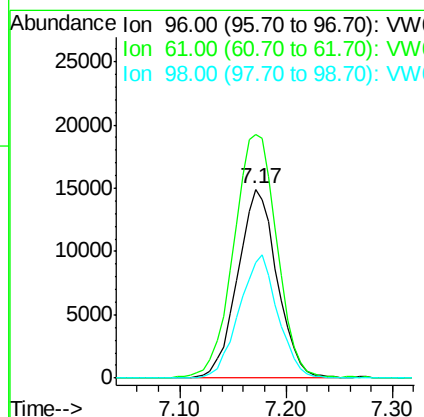
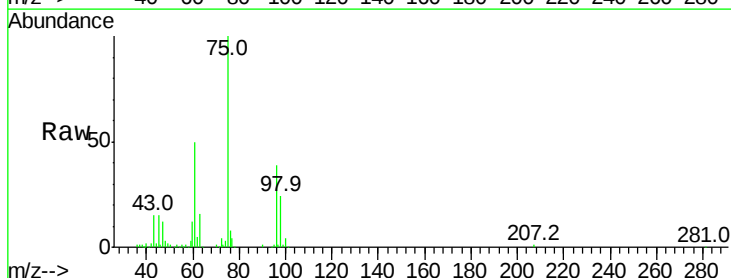
Tgt Ion: 96 Resp: 38773

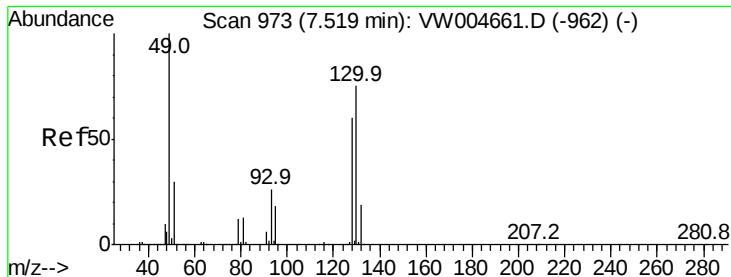
Ion Ratio Lower Upper

96 100

61 128.7 89.6 166.4

98 61.4 44.5 82.7





#23

Bromochloromethane

Concen: 2.615 ug/L

RT: 7.52 min Scan# 973

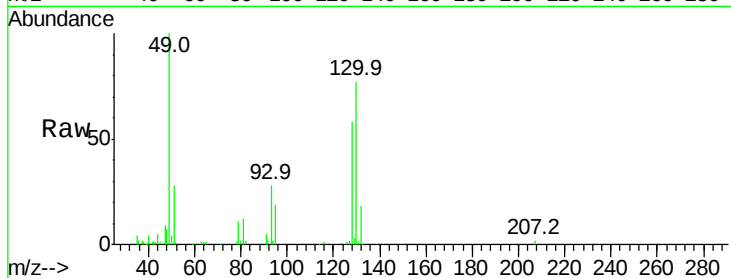
Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.590

Tgt Ion:	128	Resp:	18771
Ion	Ratio	Lower	Upper
128	100		
49	173.9	116.0	215.4
130	133.8	86.6	160.8
51	49.2	39.8	59.8

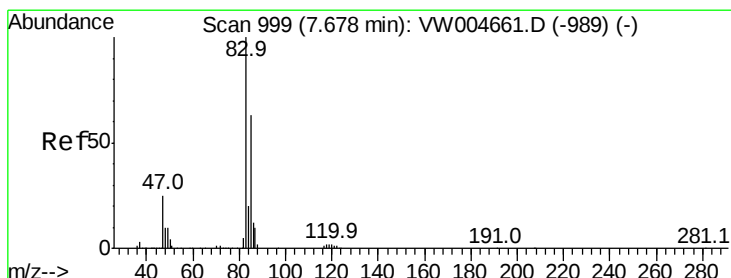
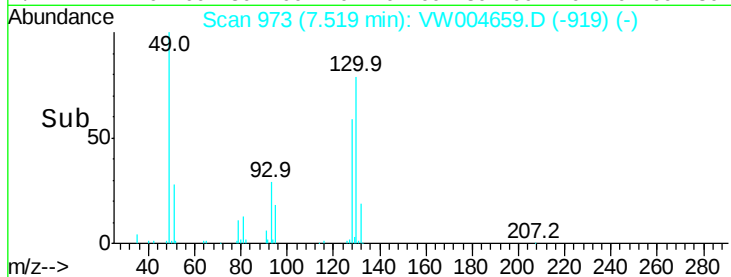
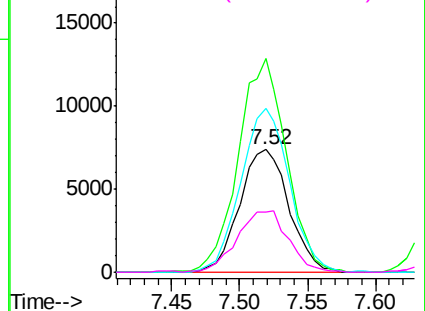


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): V



#25

Chloroform

Concen: 2.586 ug/L

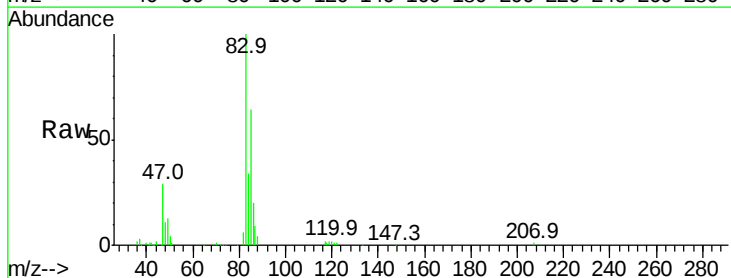
RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004659.D

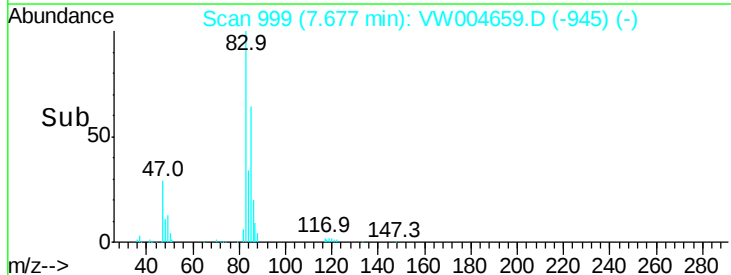
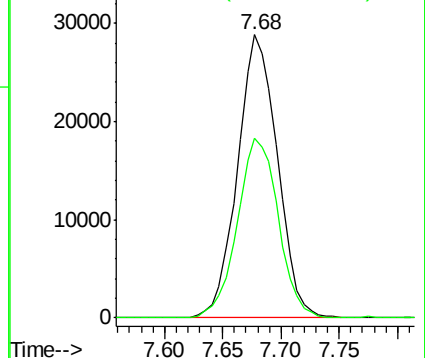
Acq: 14 Aug 2018 09:46

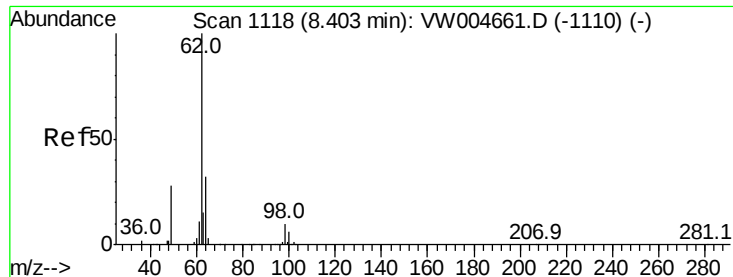
Tgt Ion:	83	Resp:	68829
Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.5	84.5



Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V





#27

1,2-Dichloroethane

Concen: 2.388 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

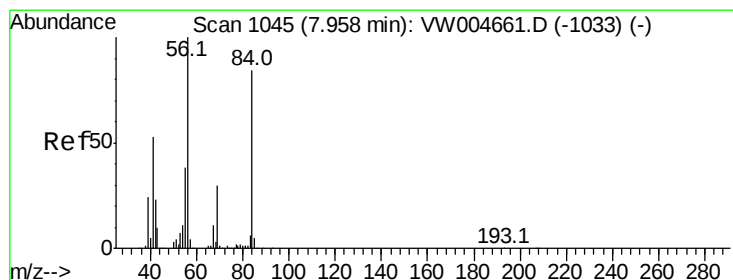
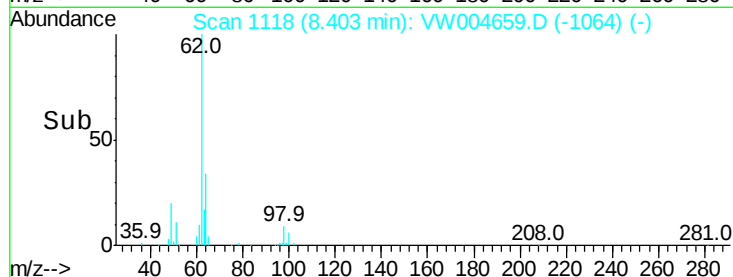
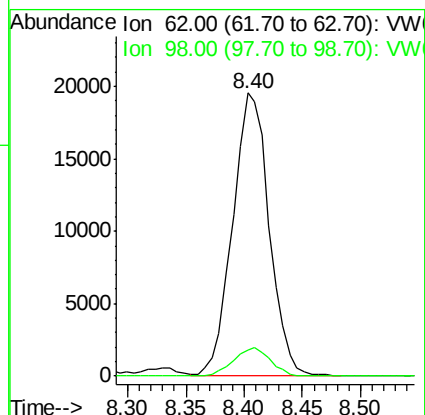
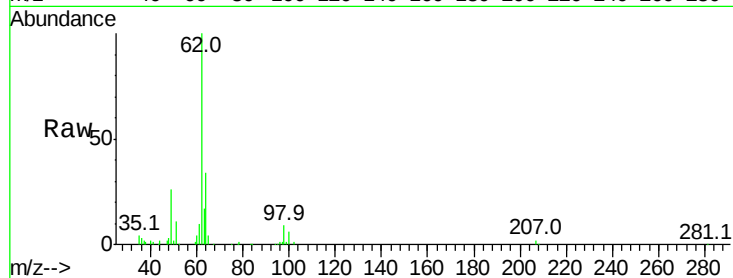
VSTD2.590

Tgt Ion: 62 Resp: 42699

Ion Ratio Lower Upper

62 100

98 9.2 7.8 11.8



#30

Cyclohexane

Concen: 2.195 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

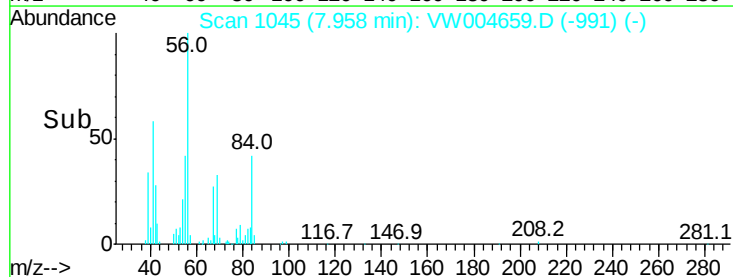
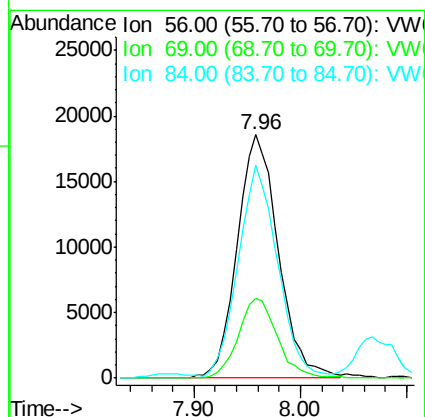
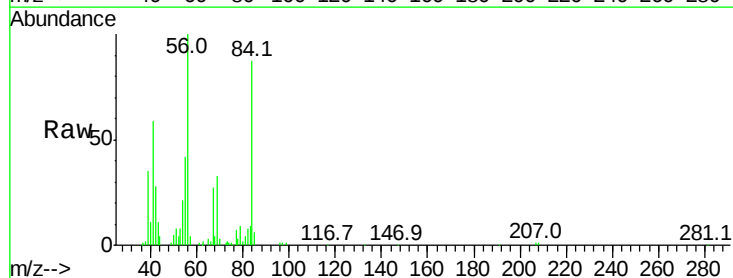
Tgt Ion: 56 Resp: 50291

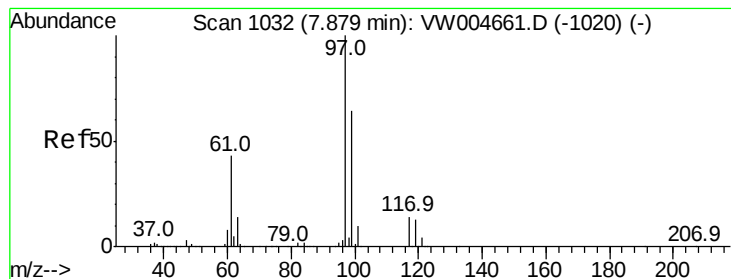
Ion Ratio Lower Upper

56 100

69 31.2 23.9 35.9

84 84.6 66.4 99.6





#31

1,1,1-Trichloroethane

Concen: 2.645 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

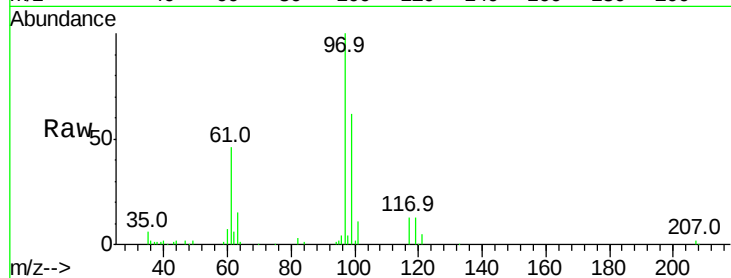
Tgt Ion: 97 Resp: 54427

Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

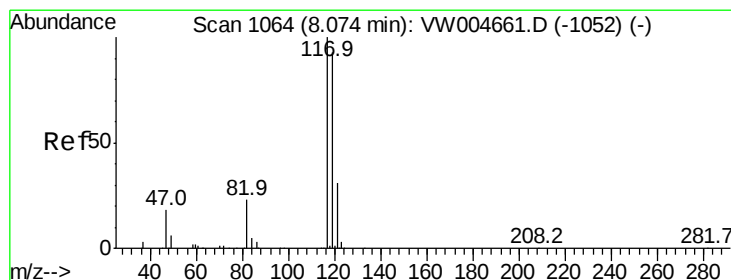
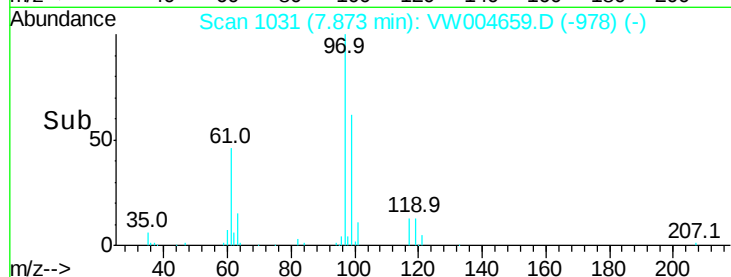
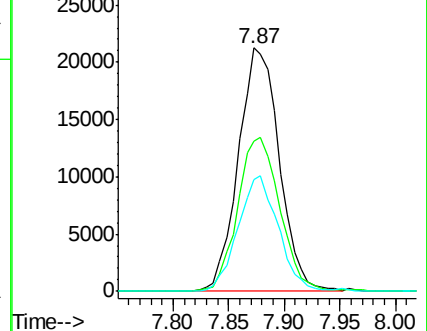
61 46.7 35.6 53.4



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: 2.607 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004659.D

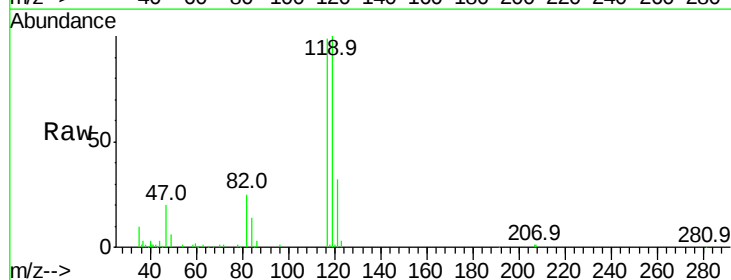
Acq: 14 Aug 2018 09:46

Tgt Ion: 117 Resp: 51714

Ion Ratio Lower Upper

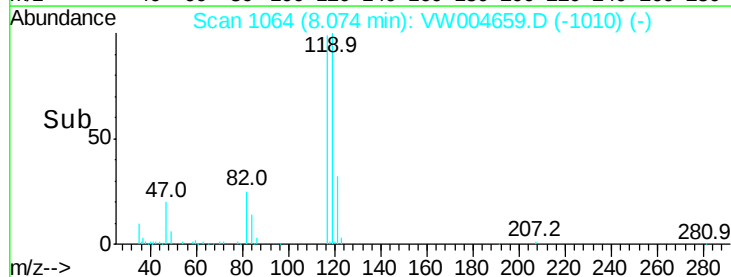
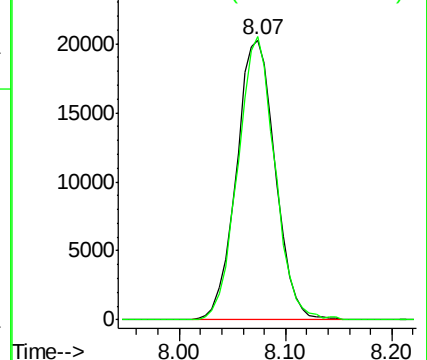
117 100

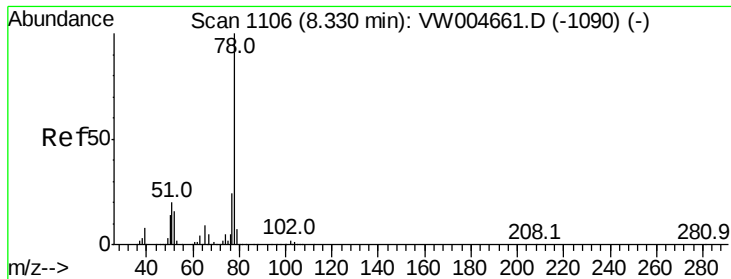
119 96.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.513 ug/L

RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

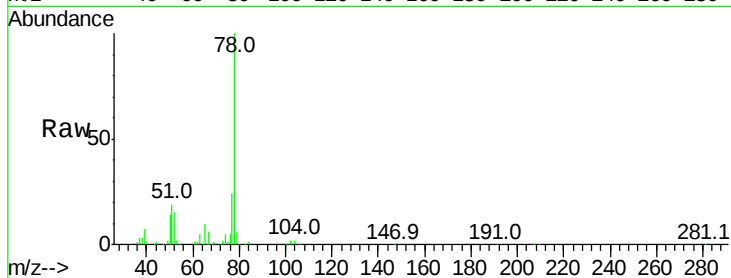
Instrument :

MSVOA_W

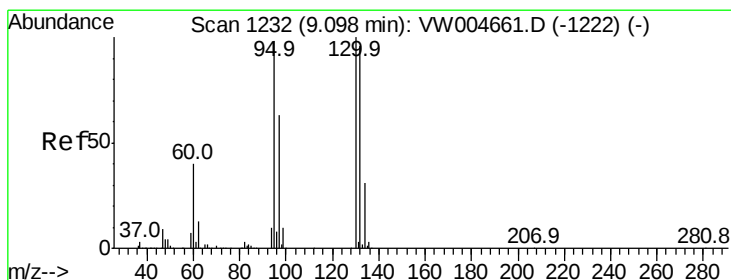
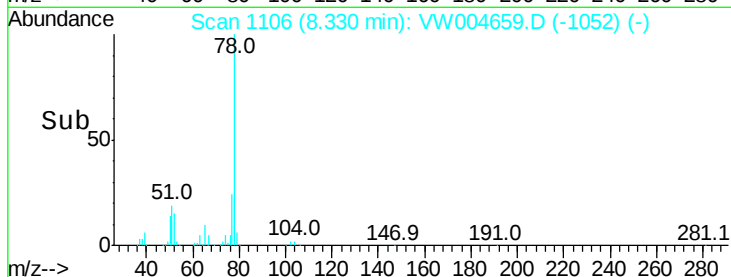
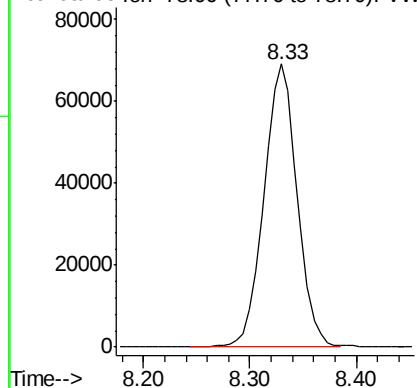
ClientSampleId :

VSTD2.590

Tgt Ion: 78 Resp: 150102



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.592 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Tgt Ion: 95 Resp: 38939

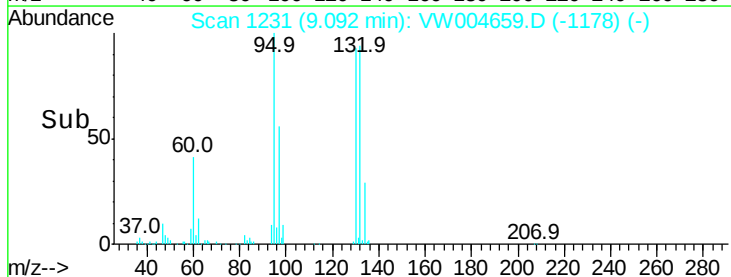
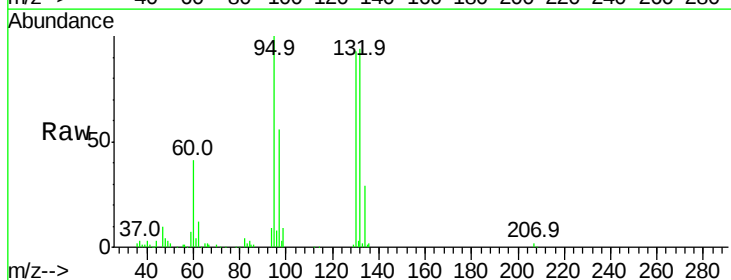
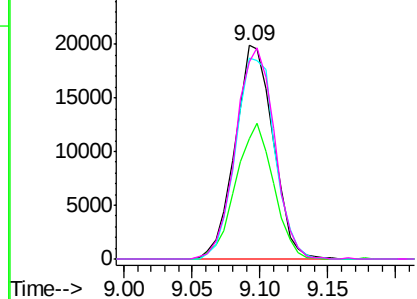
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.1	83.9
132	97.6	68.8	127.8
130	100.5	71.5	132.9

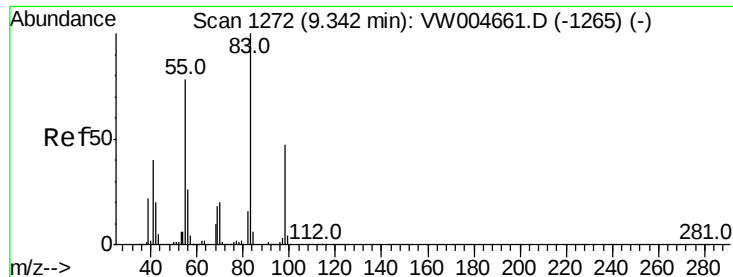
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

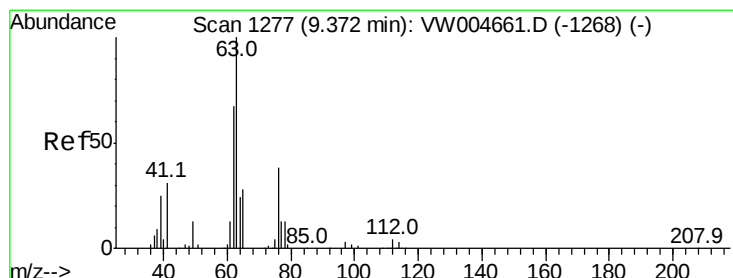
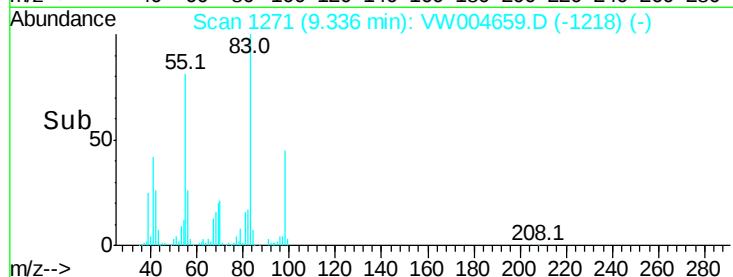
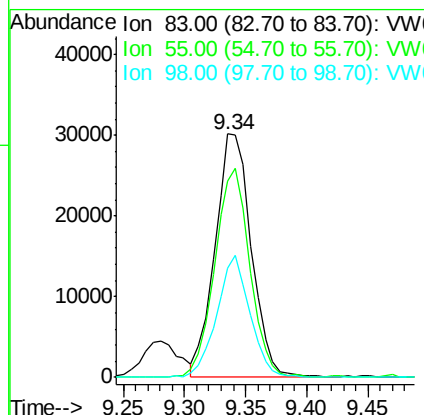
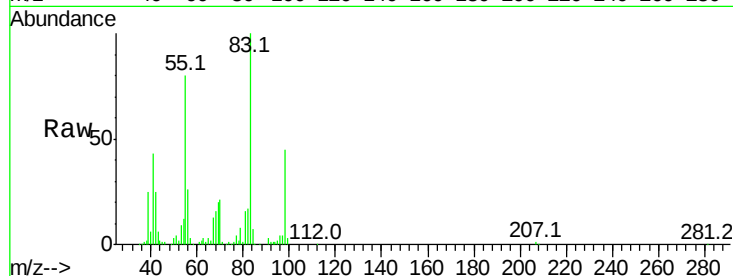




#36
Methylcyclohexane
Concen: 2.365 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW004659.D
Acq: 14 Aug 2018 09:46

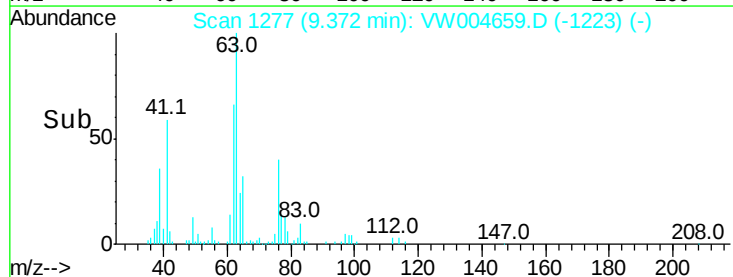
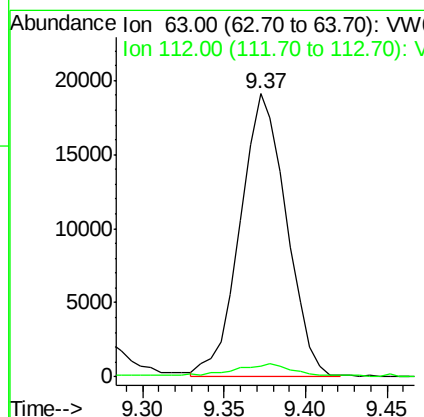
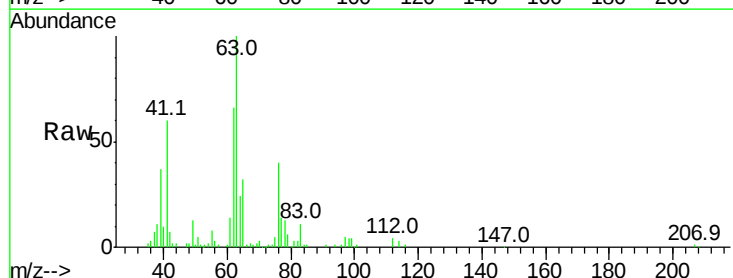
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.590

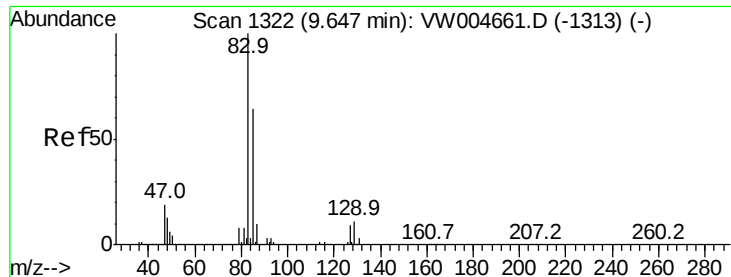
Tgt Ion: 83 Resp: 62357
Ion Ratio Lower Upper
83 100
55 82.9 61.4 92.2
98 45.3 36.2 54.4



#40
1,2-Dichloropropane
Concen: 2.396 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VW004659.D
Acq: 14 Aug 2018 09:46

Tgt Ion: 63 Resp: 37895
Ion Ratio Lower Upper
63 100
112 5.3 3.4 5.0#





#41

Bromodichloromethane

Concen: 2.350 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

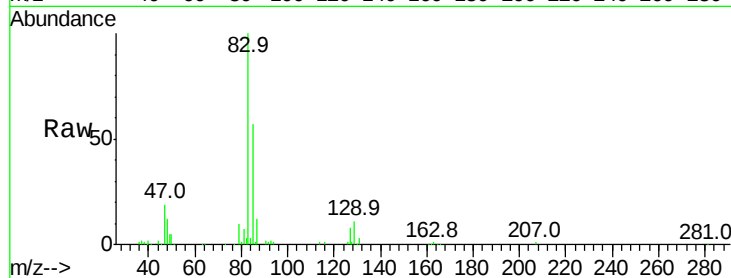
Tgt Ion: 83 Resp: 44650

Ion Ratio Lower Upper

83 100

85 57.0 44.9 83.5

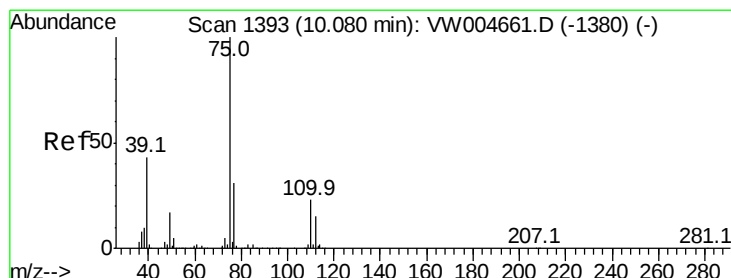
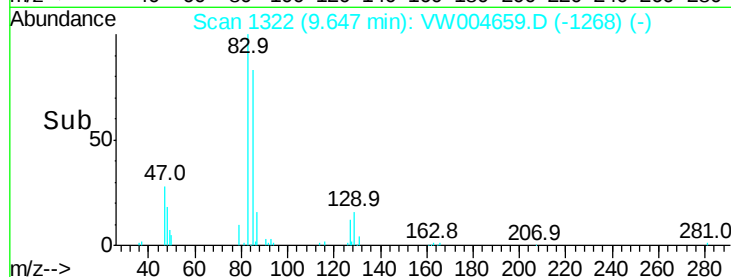
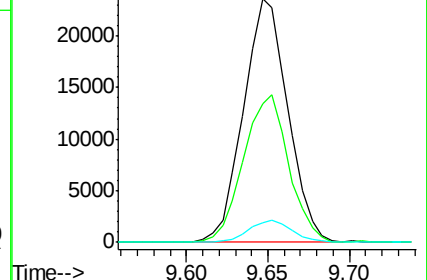
127 8.2 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 2.204 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004659.D

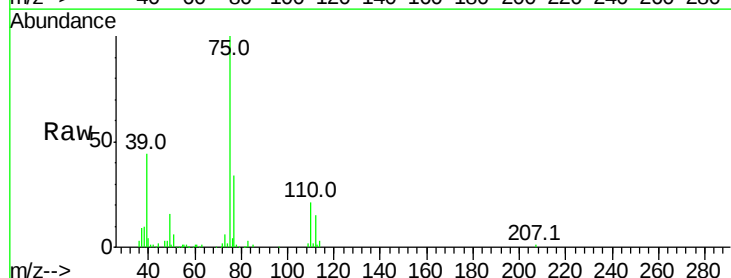
Acq: 14 Aug 2018 09:46

Tgt Ion: 75 Resp: 47700

Ion Ratio Lower Upper

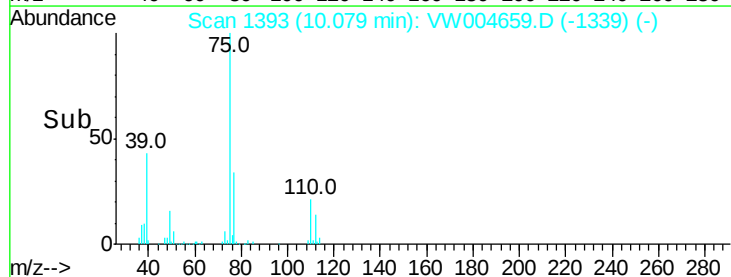
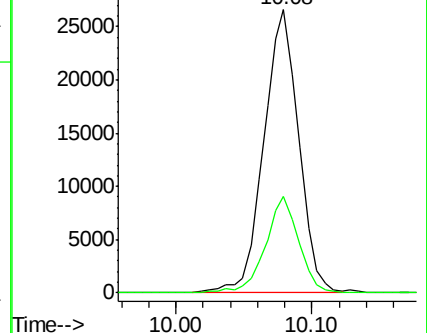
75 100

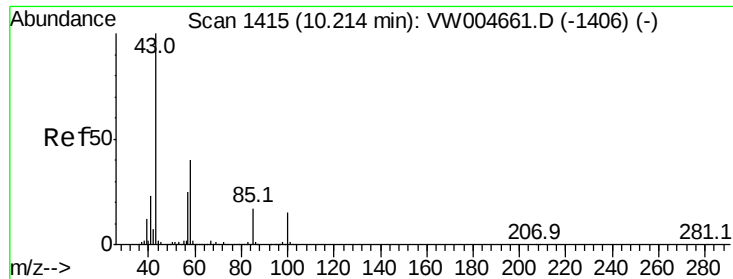
77 34.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

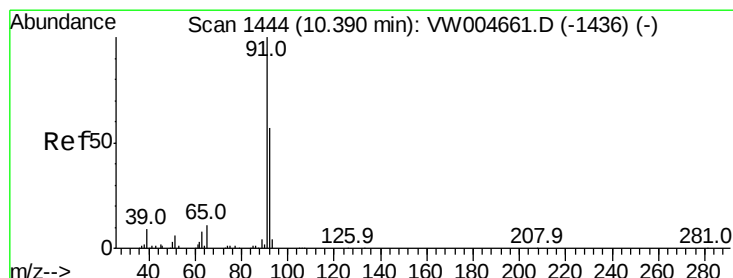
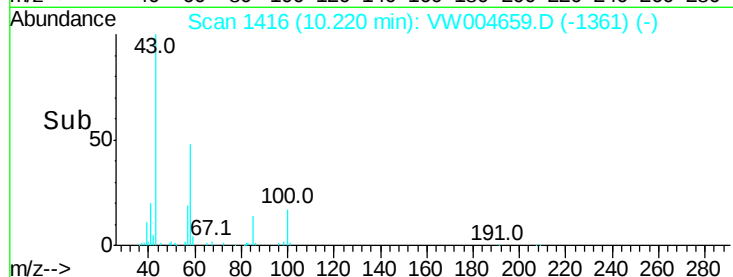
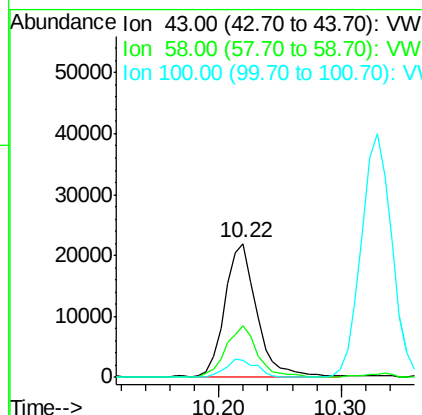
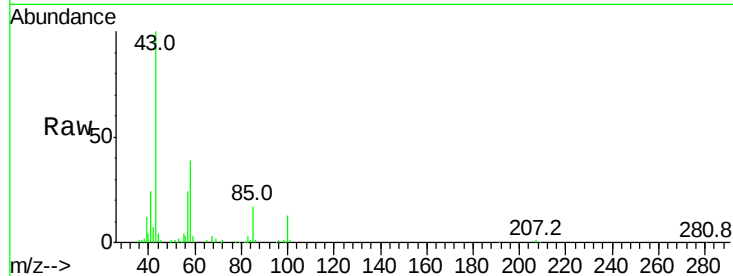




#43
 4-Methyl-2-pentanone
 Concen: 3.293 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VW004659.D
 Acq: 14 Aug 2018 09:46

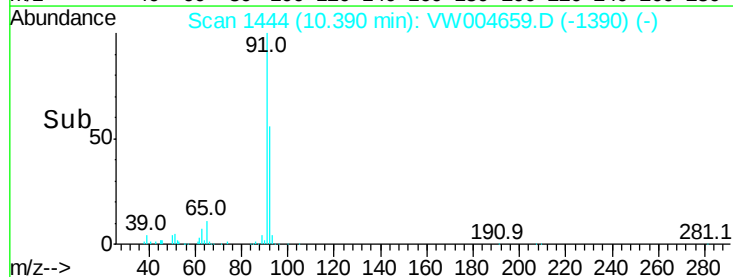
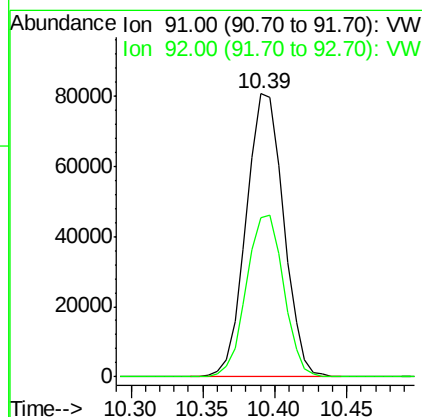
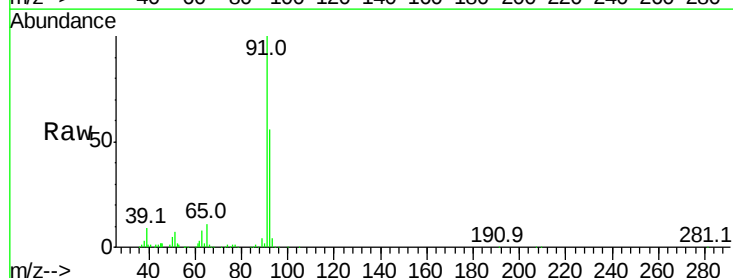
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.590

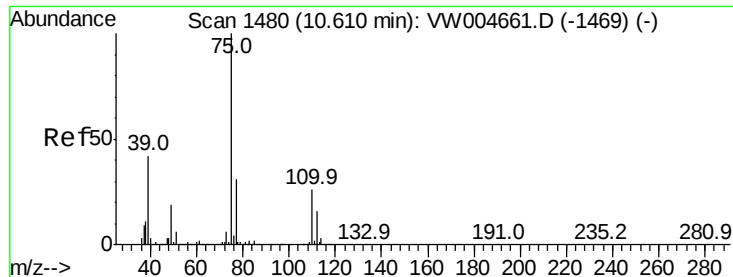
Tgt Ion: 43 Resp: 39056
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.8 47.8
 100 13.6 12.2 18.4



#44
 Toluene
 Concen: 2.419 ug/L
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004659.D
 Acq: 14 Aug 2018 09:46

Tgt Ion: 91 Resp: 145362
 Ion Ratio Lower Upper
 91 100
 92 56.3 40.3 74.8





#45

trans-1,3-Dichloropropene

Concen: 2.098 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

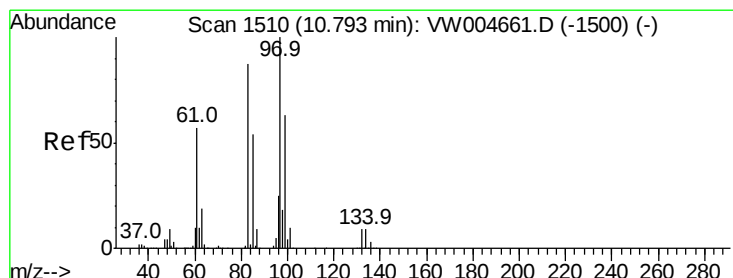
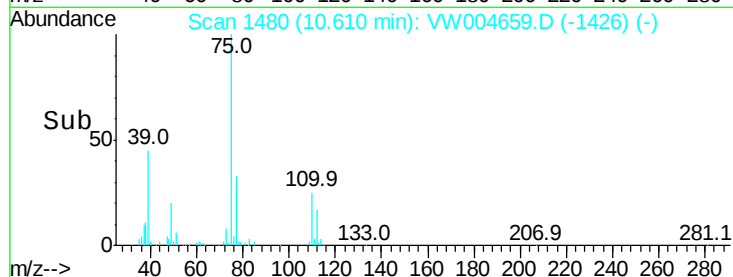
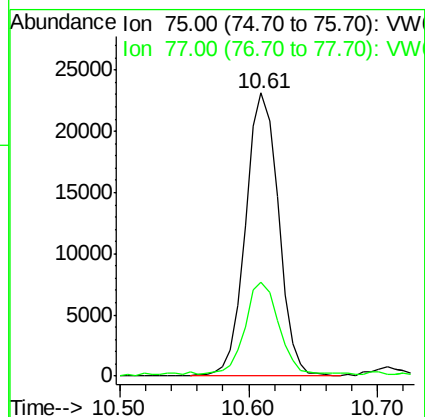
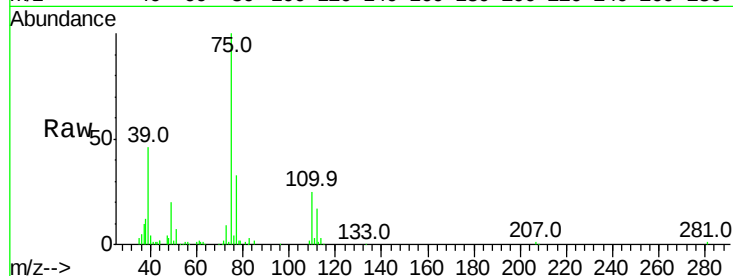
VSTD2.590

Tgt Ion: 75 Resp: 40817

Ion Ratio Lower Upper

75 100

77 33.1 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 2.313 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Tgt Ion: 97 Resp: 28446

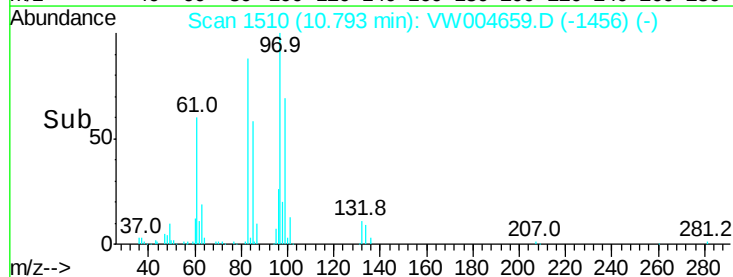
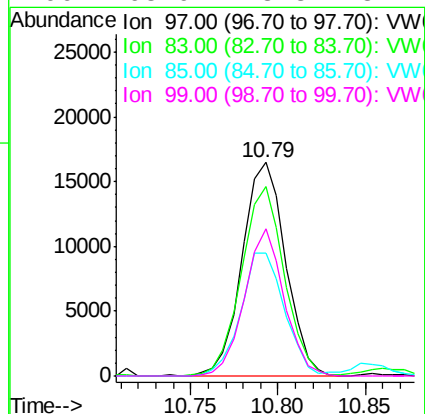
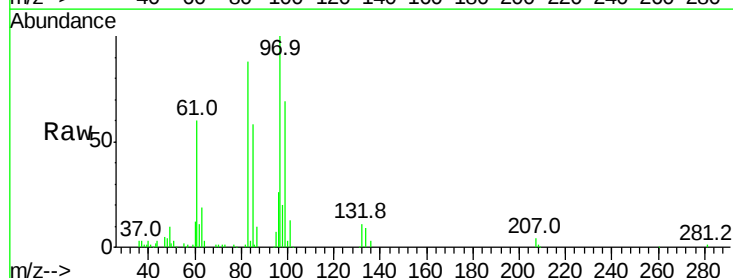
Ion Ratio Lower Upper

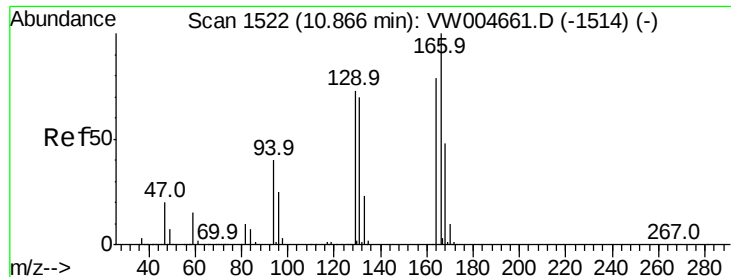
97 100

83 88.5 60.6 112.6

85 57.8 37.9 70.5

99 68.9 43.8 81.4





#47

Tetrachloroethene

Concen: 2.747 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

Tgt Ion:164 Resp: 32654

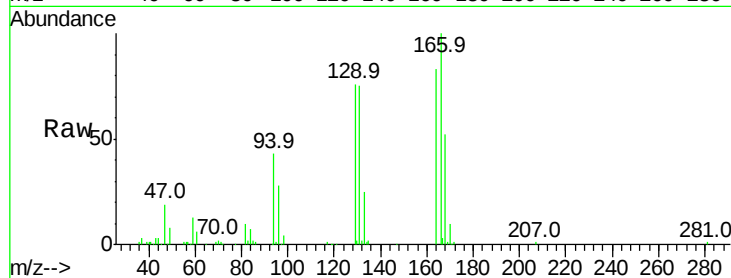
Ion Ratio Lower Upper

164 100

129 91.9 65.0 120.6

131 91.1 62.2 115.4

166 121.0 88.9 165.1

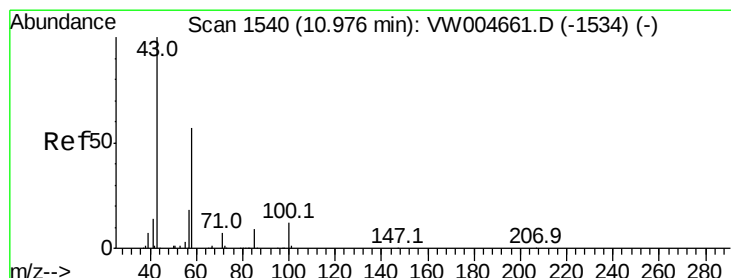
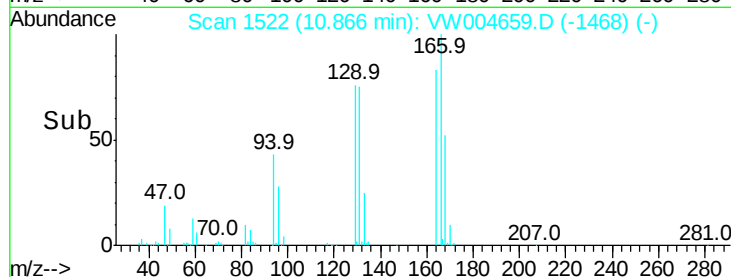
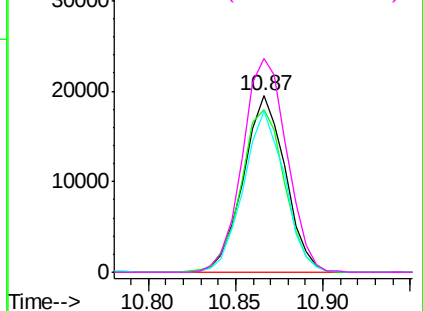


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.946 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Tgt Ion: 43 Resp: 26254

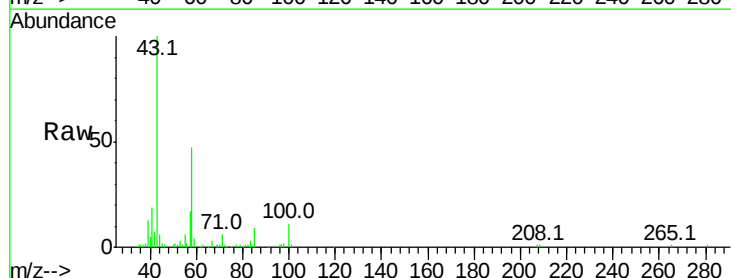
Ion Ratio Lower Upper

43 100

58 51.3 44.4 66.6

57 18.3 14.8 22.2

100 11.5 9.4 14.2

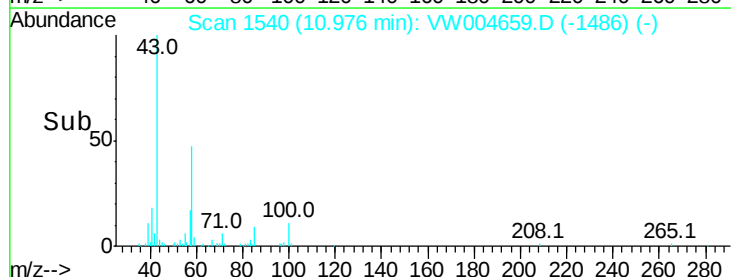
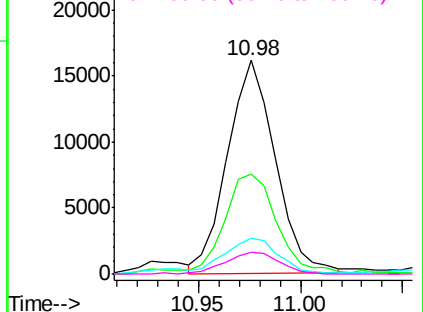


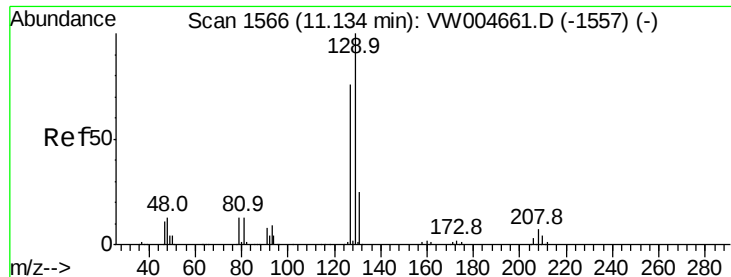
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 2.276 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

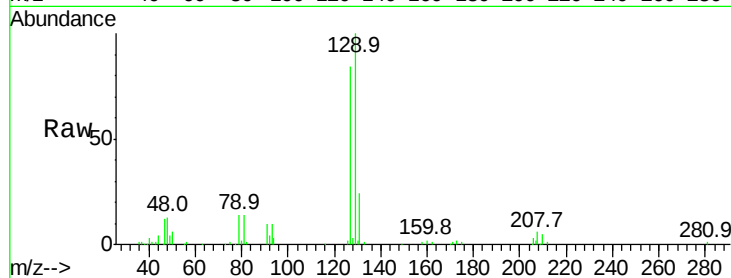
VSTD2.590

Tgt Ion:129 Resp: 31041

Ion Ratio Lower Upper

129 100

127 83.9 53.3 98.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

20000

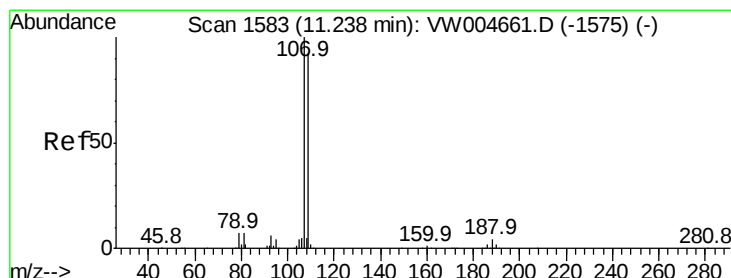
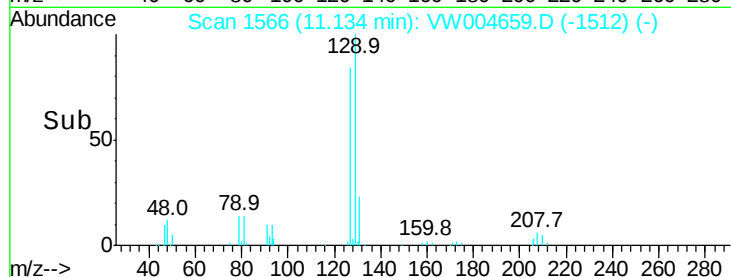
15000

10000

5000

0

Time--> 11.05 11.10 11.15 11.20



#51

1,2-Dibromoethane

Concen: 2.196 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

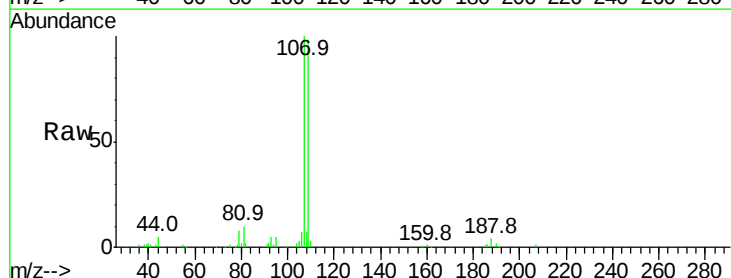
Tgt Ion:107 Resp: 25881

Ion Ratio Lower Upper

107 100

109 98.2 64.5 119.9

188 3.7 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.24

20000

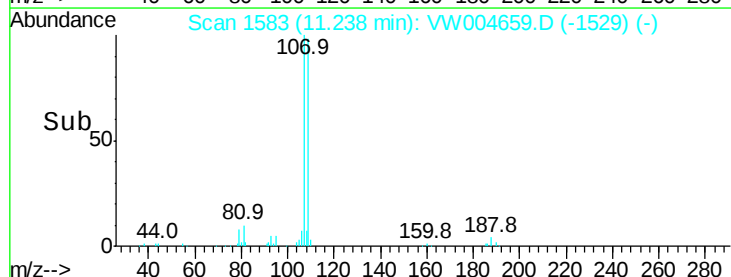
15000

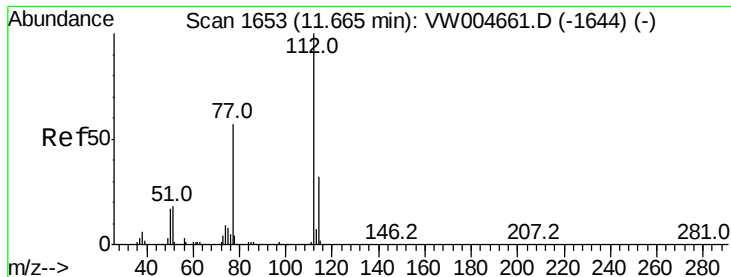
10000

5000

0

Time--> 11.15 11.20 11.25 11.30





#52

Chlorobenzene

Concen: 2.568 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

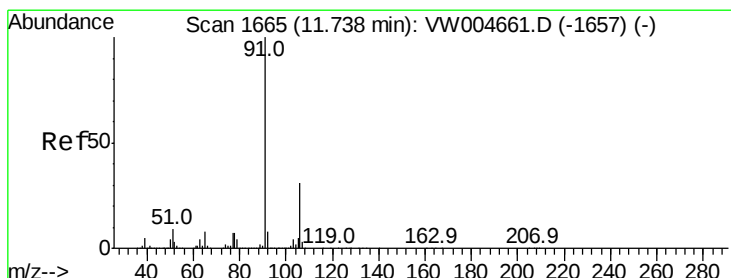
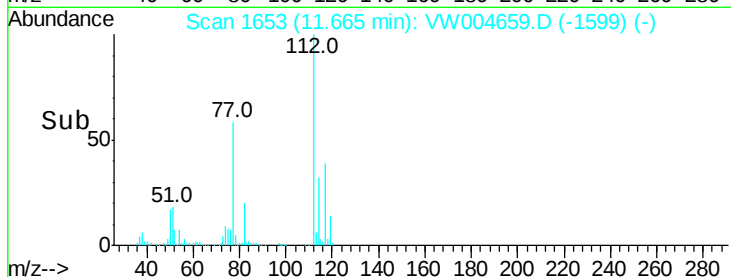
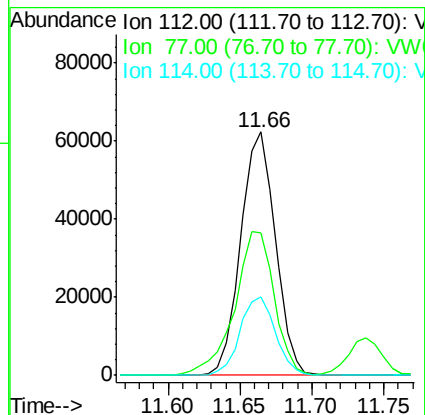
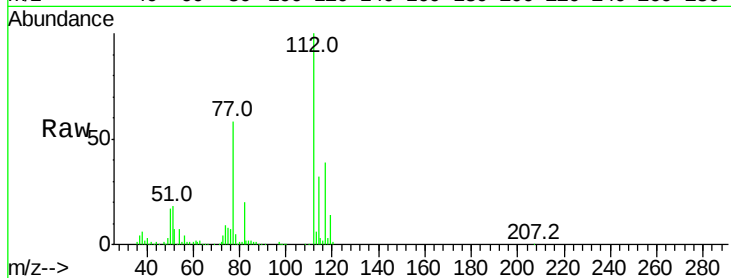
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

Tgt Ion:	112	Resp:	104360
Ion	Ratio	Lower	Upper
112	100		
77	58.3	46.0	69.0
114	32.2	22.3	41.5



#53

Ethylbenzene

Concen: 2.326 ug/L

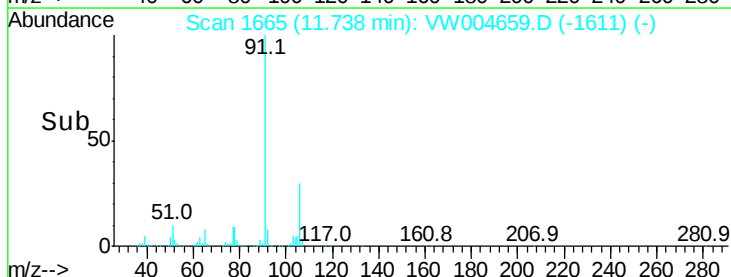
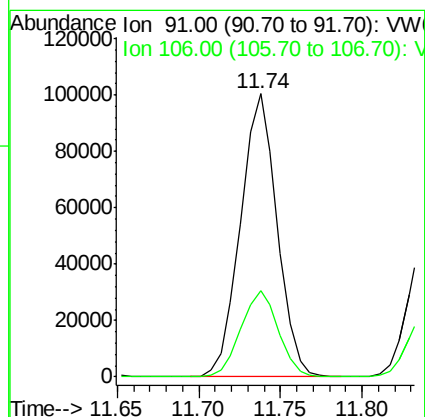
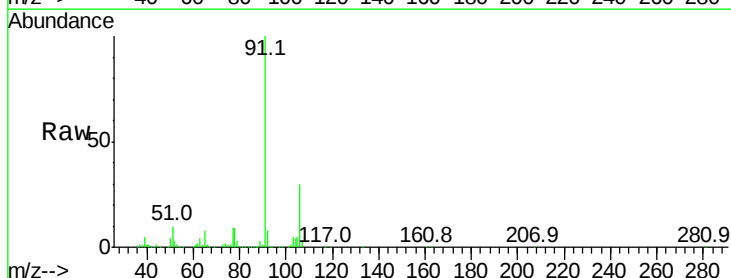
RT: 11.74 min Scan# 1665

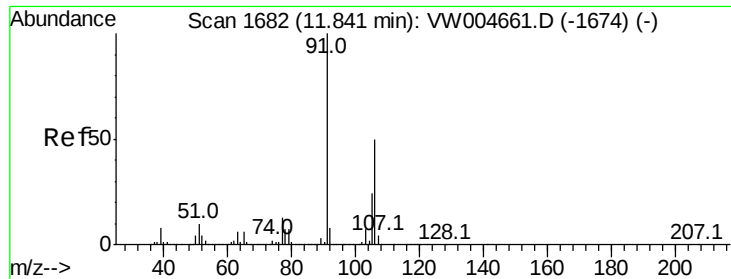
Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Tgt Ion:	91	Resp:	157079
Ion	Ratio	Lower	Upper
91	100		
106	30.5	22.0	40.8





#54

m,p-Xylene

Concen: 2.294 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampled :

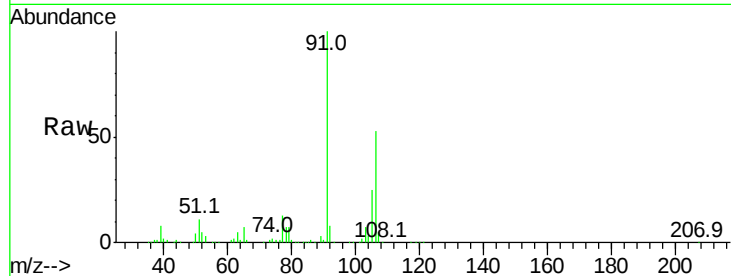
VSTD2.590

Tgt Ion:106 Resp: 57812

Ion Ratio Lower Upper

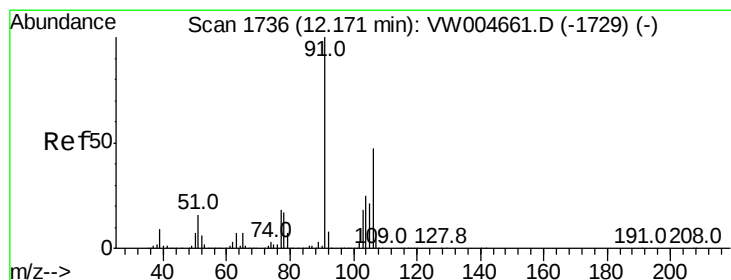
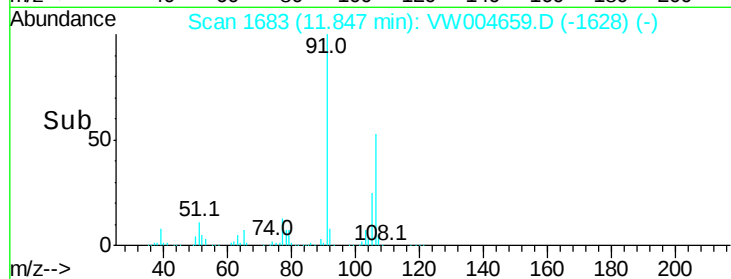
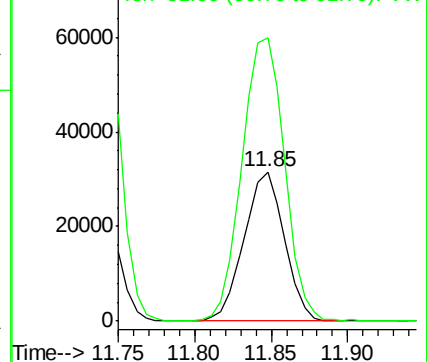
106 100

91 189.9 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.236 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004659.D

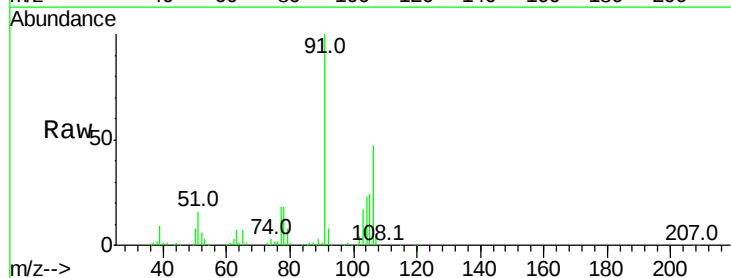
Acq: 14 Aug 2018 09:46

Tgt Ion:106 Resp: 53377

Ion Ratio Lower Upper

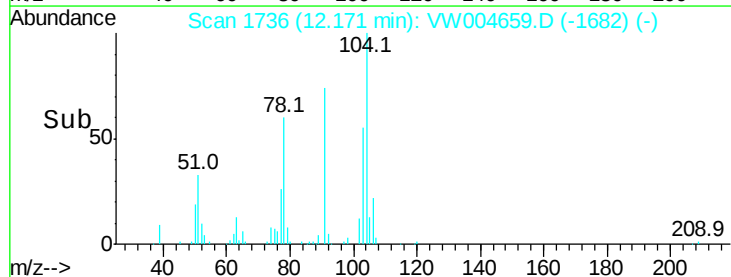
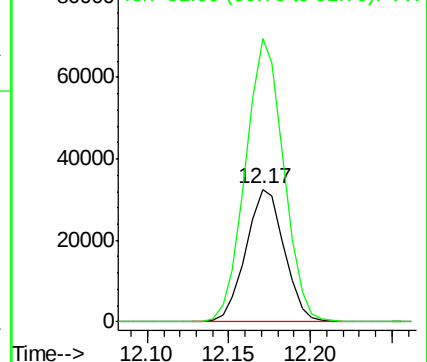
106 100

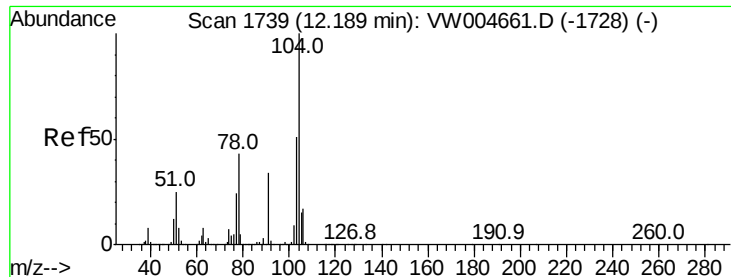
91 213.7 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.110 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

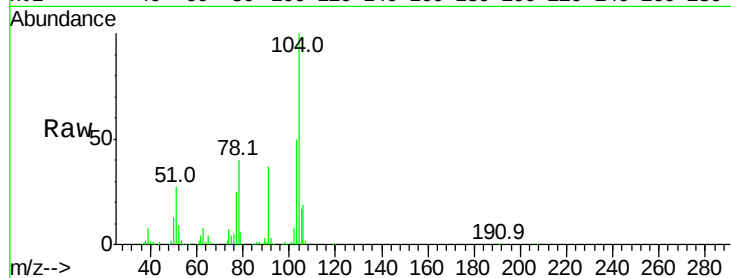
VSTD2.590

Tgt Ion:104 Resp: 87789

Ion Ratio Lower Upper

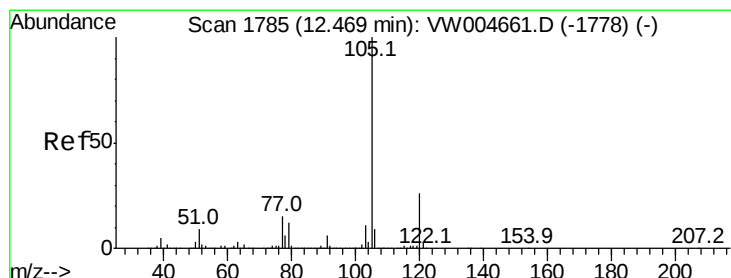
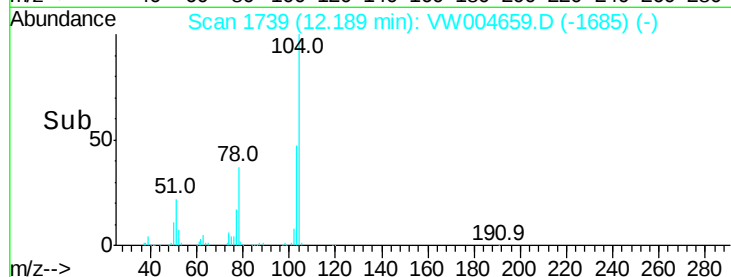
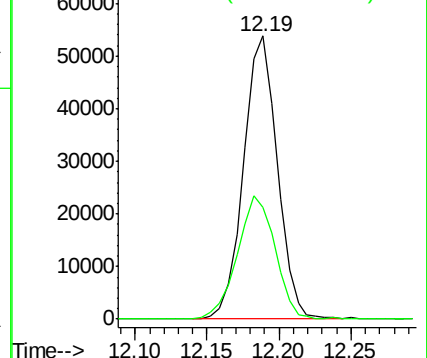
104 100

78 39.5 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.216 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

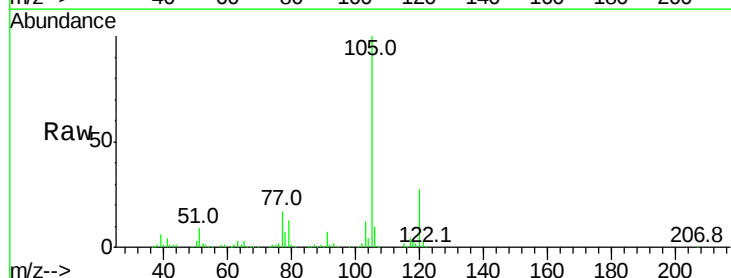
Tgt Ion:105 Resp: 143180

Ion Ratio Lower Upper

105 100

120 27.1 21.2 31.8

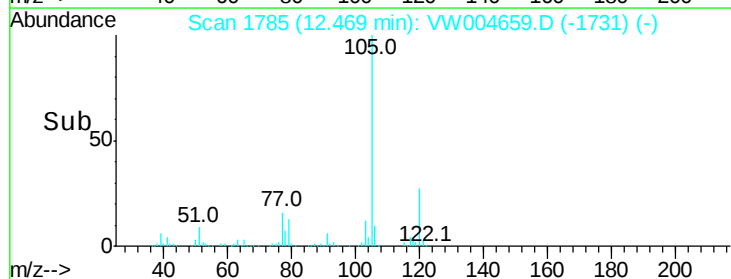
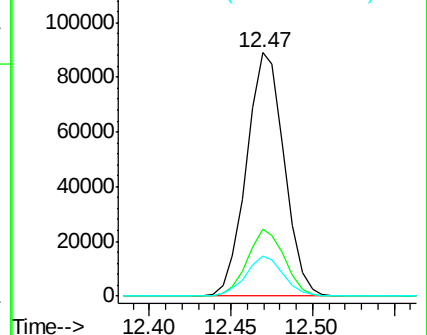
77 16.2 12.1 18.1

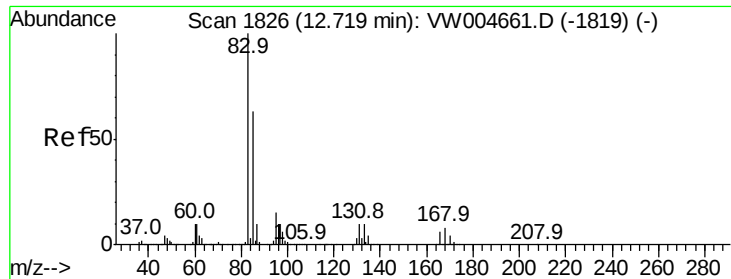


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.130 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

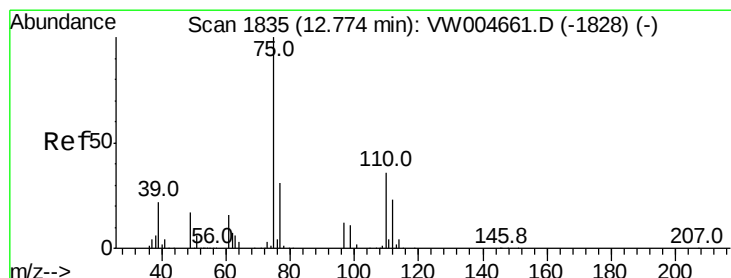
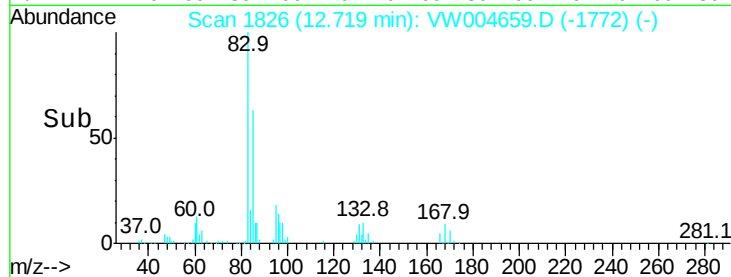
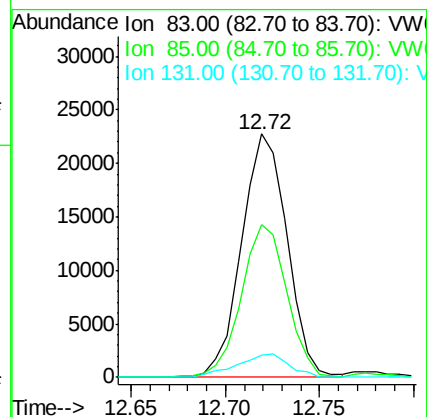
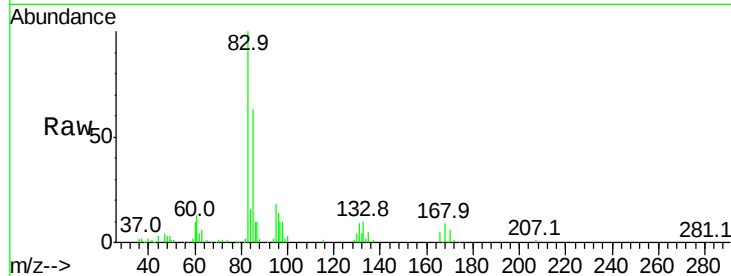
Tgt Ion: 83 Resp: 38019

Ion Ratio Lower Upper

83 100

85 62.5 44.4 82.5

131 9.3 8.2 12.4



#59

1,2,3-Trichloropropane

Concen: 2.024 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004659.D

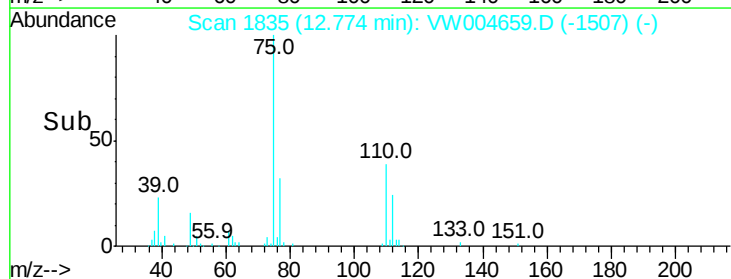
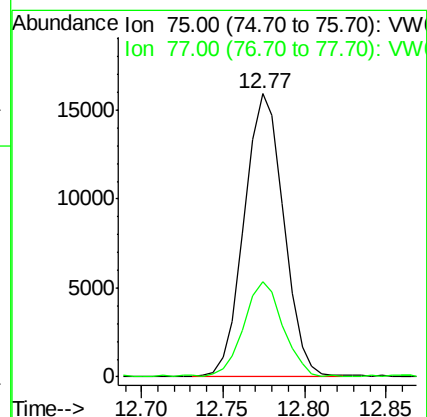
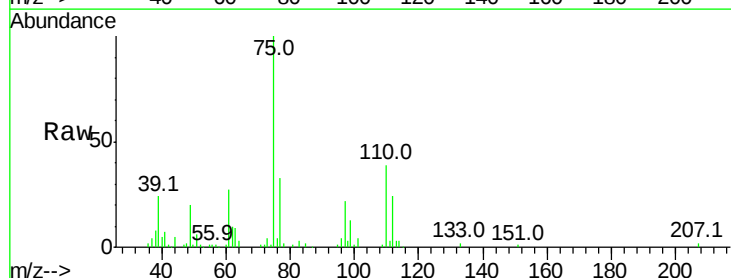
Acq: 14 Aug 2018 09:46

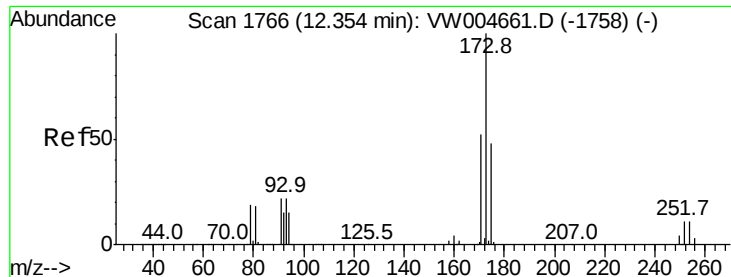
Tgt Ion: 75 Resp: 26977

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.6





#62

Bromoform

Concen: 2.157 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

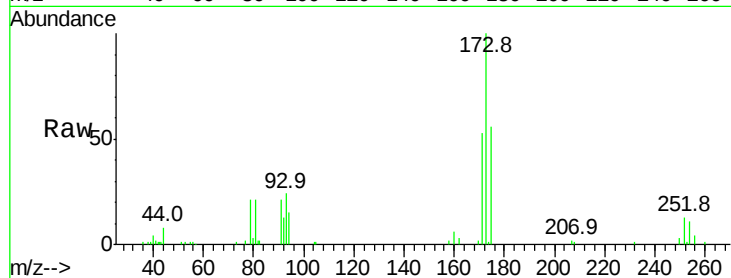
Tgt Ion:173 Resp: 18238

Ion Ratio Lower Upper

173 100

175 51.7 39.2 58.8

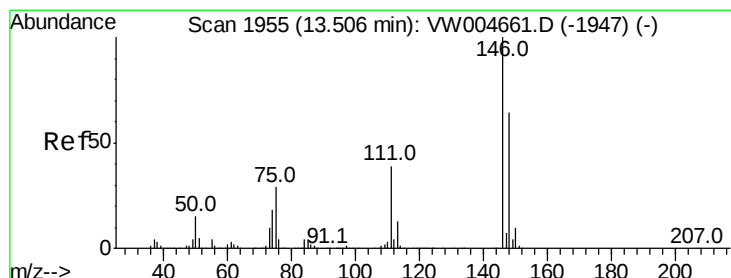
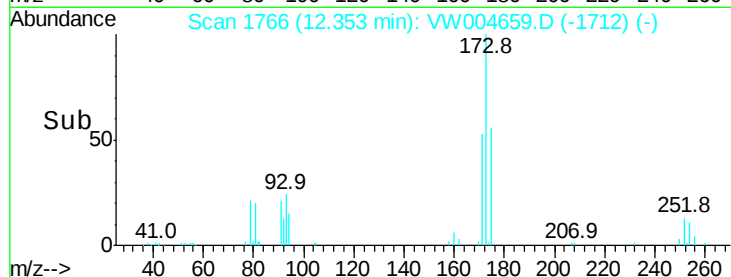
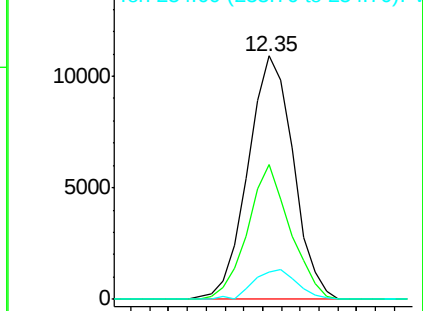
254 11.5 8.8 13.2



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: 2.549 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

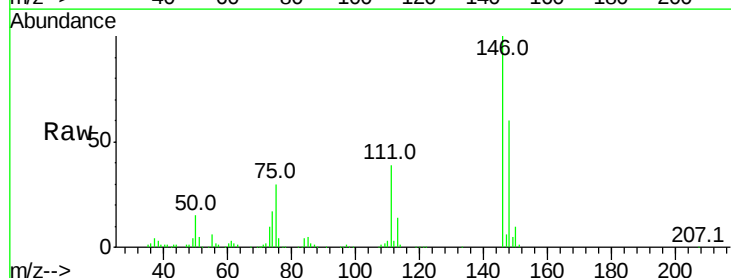
Tgt Ion:146 Resp: 73769

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

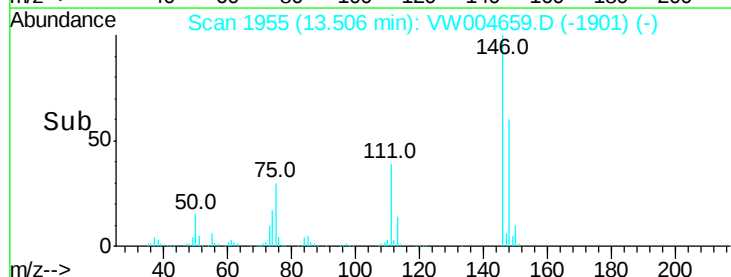
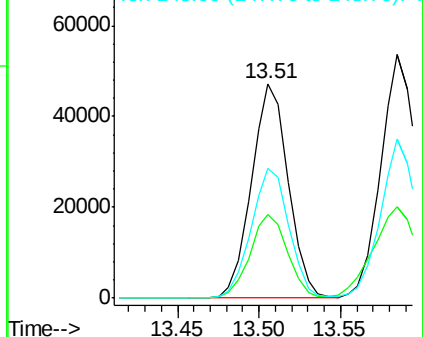
148 60.2 45.1 83.9

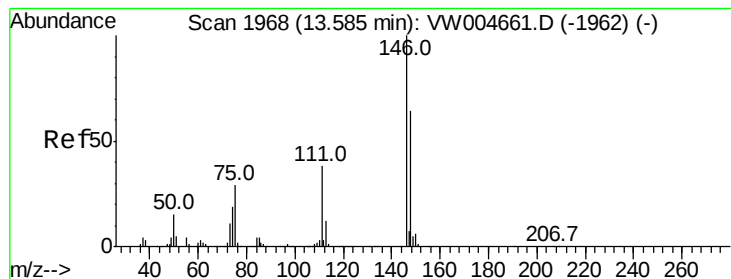


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.674 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.590

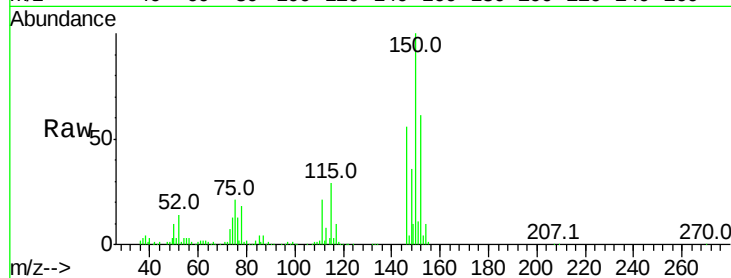
Tgt Ion:146 Resp: 83168

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.5

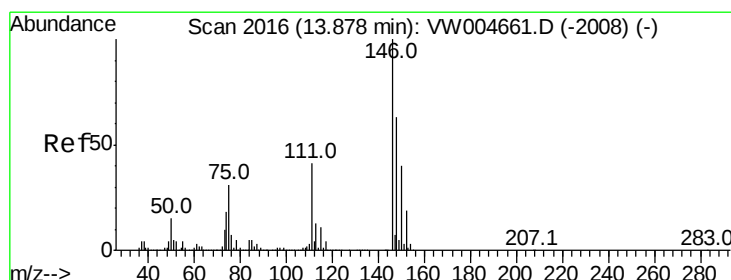
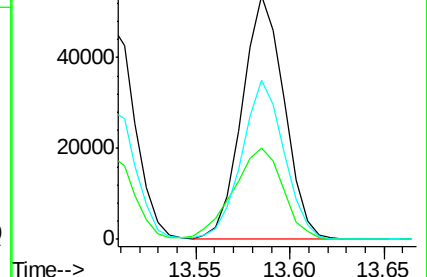
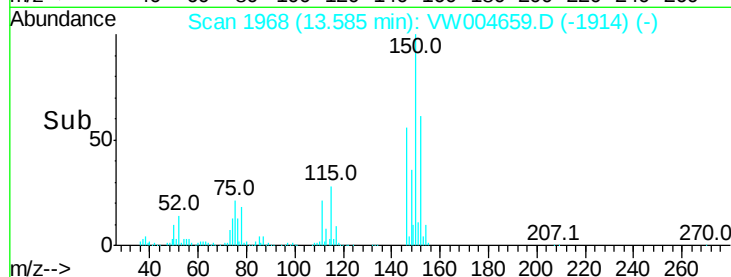
148 65.4 44.8 83.2



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



#65

1,2-Dichlorobenzene

Concen: 2.570 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004659.D

Acq: 14 Aug 2018 09:46

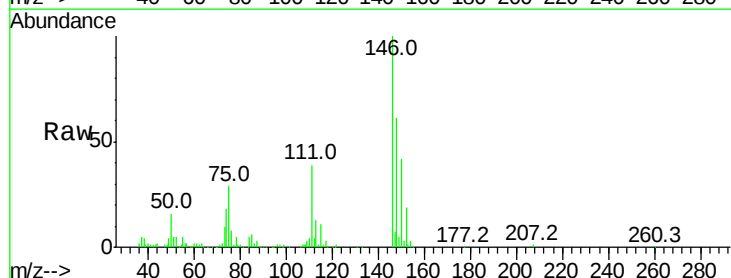
Tgt Ion:146 Resp: 74532

Ion Ratio Lower Upper

146 100

111 39.0 32.9 49.3

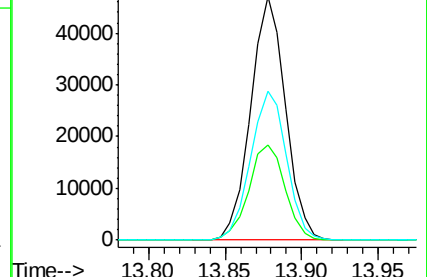
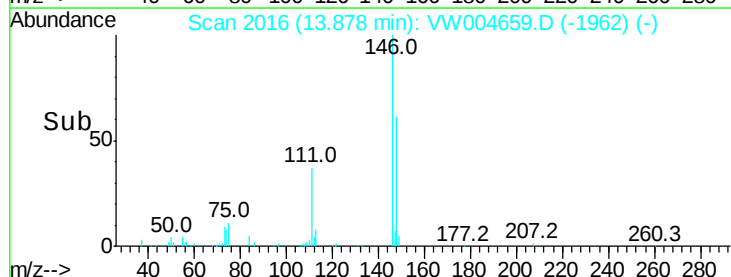
148 61.2 50.7 76.1

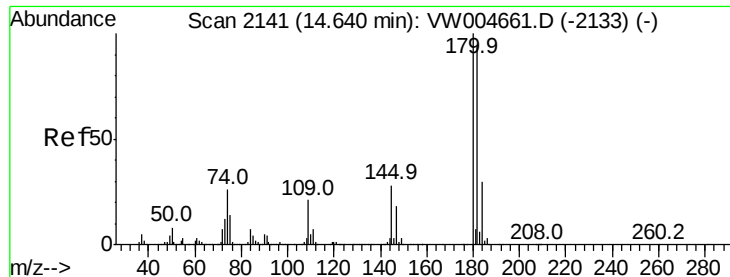


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

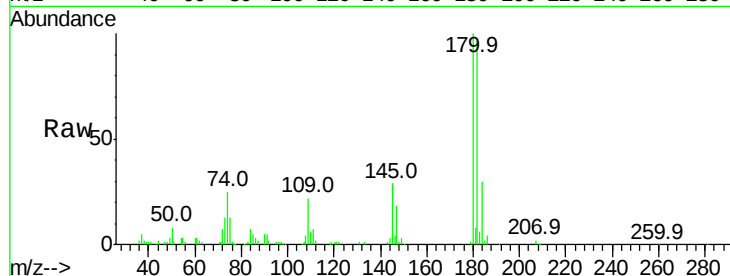




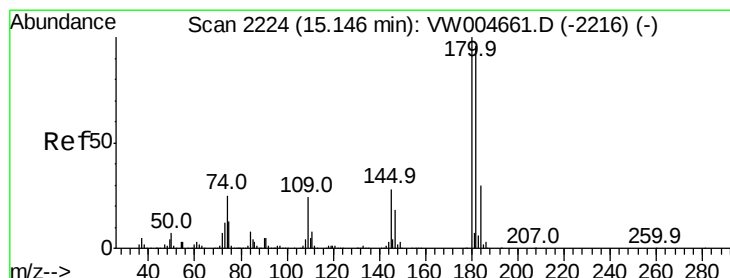
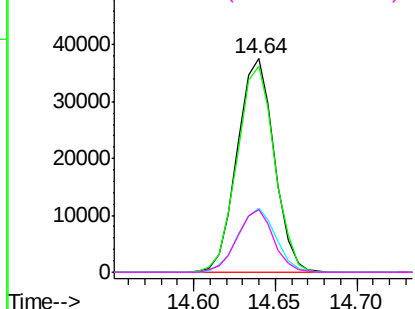
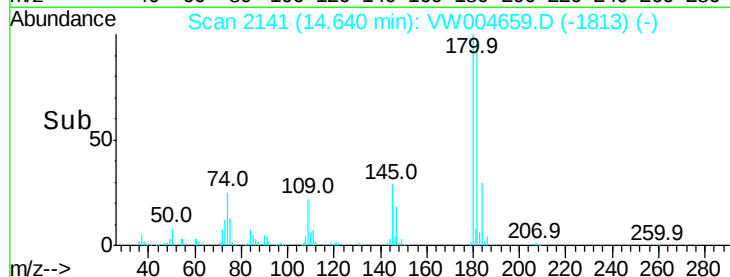
#67
 1,3,5-Trichlorobenzene
 Concen: 2.588 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004659.D
 Acq: 14 Aug 2018 09:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.590

Tgt Ion:180 Resp: 59382
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.1 114.1
 184 31.0 24.2 36.4
 145 28.8 22.6 34.0

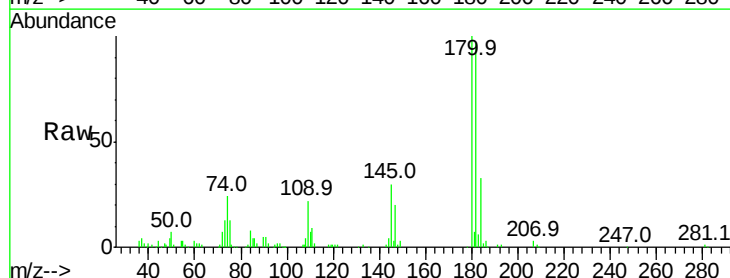


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

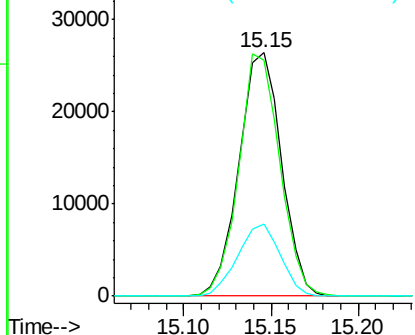
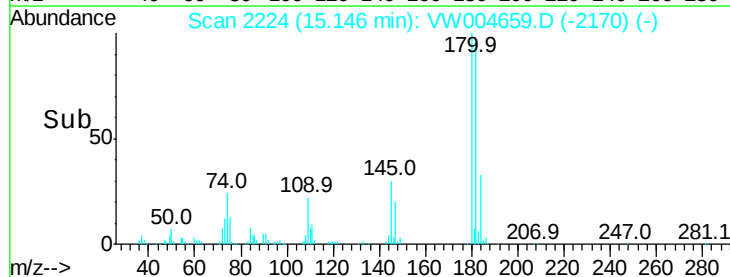


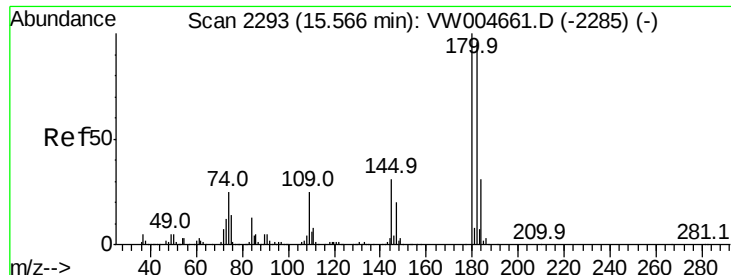
#68
 1,2,4-trichlorobenzene
 Concen: 2.409 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004659.D
 Acq: 14 Aug 2018 09:46

Tgt Ion:180 Resp: 44726
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 29.7 23.4 35.2



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

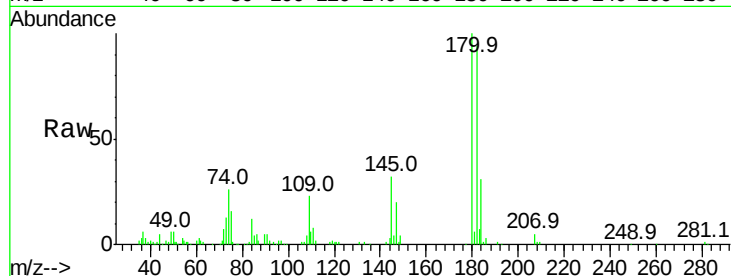




#70
 1,2,3-Trichlorobenzene
 Concen: 2.284 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW004659.D
 Acq: 14 Aug 2018 09:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.590

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.8	113.8
145	32.0	24.4	36.6



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

