

Data File : VW005722.D
Acq On : 28 Sep 2018 14:28
Operator : SY/AP
Sample : VSTD10084
Misc : 5.00G/105ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10084

Quant Time: Sep 28 15:06:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 14:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	315052	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	295437	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	158453	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	357060	84.18	ug/L	0.00
7) Chloroethane-d5	2.89	69	297727	88.05	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	815252	87.34	ug/L	0.00
20) 2-Butanone-d5	7.09	46	243562	147.13	ug/L	0.00
24) Chloroform-d	7.65	84	810330	94.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	492534	95.68	ug/L	0.00
29) Benzene-d6	8.28	84	1538659	88.08	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	452090	84.96	ug/L	0.00
37) Toluene-d8	10.33	98	1514417	94.20	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	236542	96.89	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	213097	171.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	408676	85.02	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	571302	93.07	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	356946	81.404	ug/L	95
3) Chloromethane	2.22	50	315426	68.282	ug/L	97
5) Vinyl chloride	2.37	62	418357	93.482	ug/L	99
6) Bromomethane	2.79	94	260544	93.848	ug/L	98
8) Chloroethane	2.93	64	244641	89.766	ug/L	97
9) Trichlorofluoromethane	3.26	101	363231	93.602	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	382786	92.413	ug/L	99
12) 1,1-Dichloroethene	4.03	96	361551	92.775	ug/L	83
13) Acetone	4.14	43	192573	135.863	ug/L	71
14) Carbon disulfide	4.37	76	1088437	86.022	ug/L	100
15) Methyl Acetate	4.68	43	191707	69.296	ug/L	98
16) Methylene chloride	4.91	84	375263	72.016	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	593886	94.741	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	381031	91.865	ug/L	97
19) 1,1-Dichloroethane	6.22	63	700701	88.559	ug/L	100
21) 2-Butanone	7.18	43	255744	131.627	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	426369	94.783	ug/L	99
23) Bromochloromethane	7.52	128	191085	95.530	ug/L	99
25) Chloroform	7.68	83	758418	94.958	ug/L	100
27) 1,2-Dichloroethane	8.40	62	554458	94.085	ug/L	100
30) Cyclohexane	7.96	56	663007	86.001	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	677489	100.400	ug/L	99
32) Carbon tetrachloride	8.07	117	661400	102.885	ug/L	100
34) Benzene	8.33	78	1584594	88.872	ug/L	100
35) Trichloroethene	9.10	95	428532	92.922	ug/L	99
36) Methylcyclohexane	9.34	83	754874	91.314	ug/L	99
40) 1,2-Dichloropropane	9.37	63	398927	86.172	ug/L	100
41) Bromodichloromethane	9.65	83	565407	99.054	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	680529	99.980	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	587258	158.150	ug/L	99

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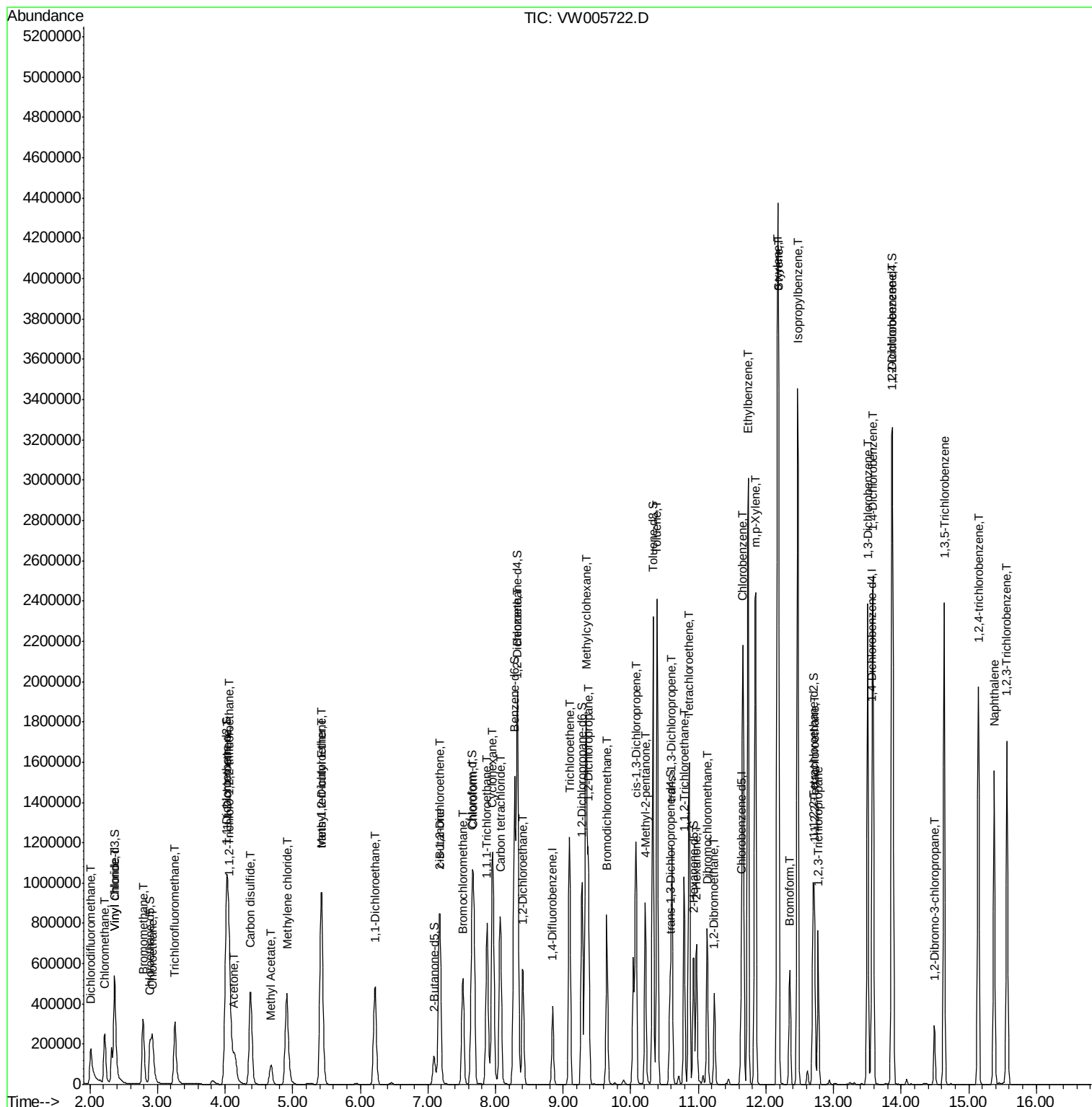
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1759013	95.406	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	622005	100.090	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	308180	89.801	ug/L	96
47) Tetrachloroethene	10.87	164	363414	96.648	ug/L	95
49) 2-Hexanone	10.98	43	424382	158.162	ug/L	99
50) Dibromochloromethane	11.13	129	407937	101.079	ug/L	95
51) 1,2-Dibromoethane	11.24	107	300005	92.427	ug/L	94
52) Chlorobenzene	11.66	112	1141566	95.554	ug/L	98
53) Ethylbenzene	11.74	91	2081533	97.209	ug/L	99
54) m,p-Xylene	11.85	106	778728	99.051	ug/L	99
55) o-xylene	12.17	106	750753	100.891	ug/L	98
56) Styrene	12.19	104	1323658	103.400	ug/L	98
57) Isopropylbenzene	12.47	105	2152143	103.323	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	390419	83.658	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	305629	82.108	ug/L	99
62) Bromoform	12.35	173	263702	95.969	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	960121	95.847	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	971166	94.415	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	891598	94.614	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	77389	79.162	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	752751	95.927	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	649689	100.942	ug/L	99
69) Naphthalene	15.38	128	1322119	96.773	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	588322	96.797	ug/L	99

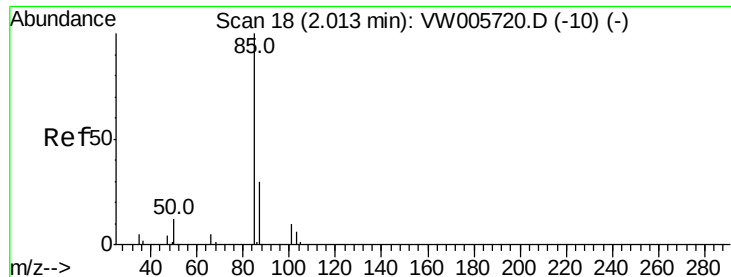
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 81.404 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampled :

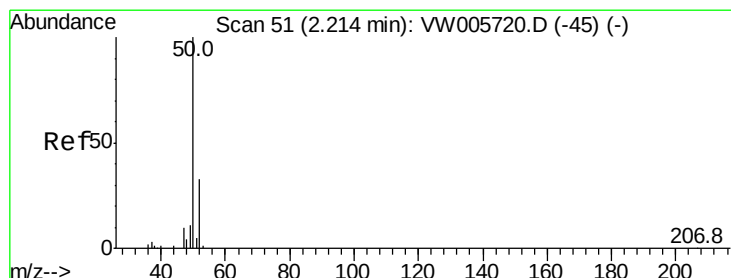
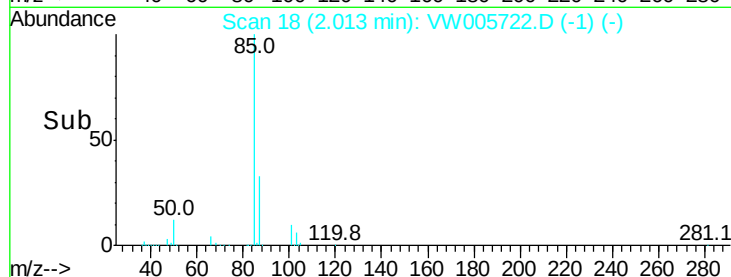
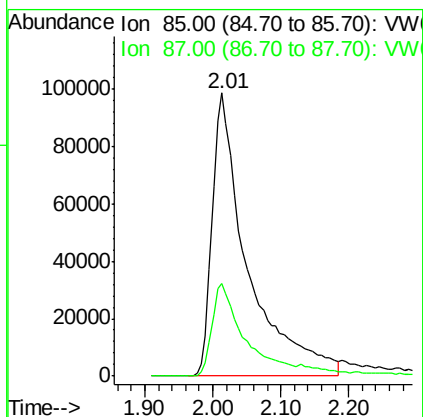
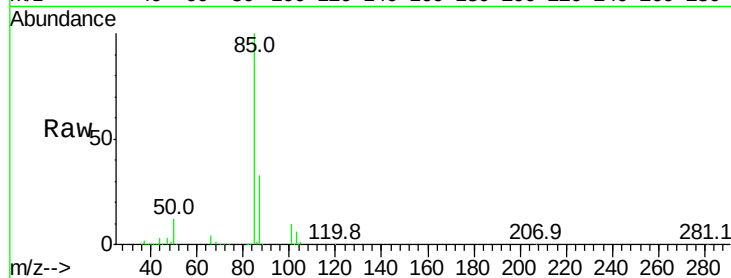
VSTD10084

Tgt Ion: 85 Resp: 356946

Ion Ratio Lower Upper

85 100

87 29.8 19.2 35.6



#3

Chloromethane

Concen: 68.282 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005722.D

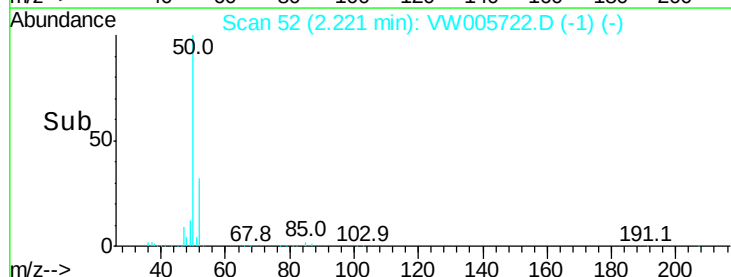
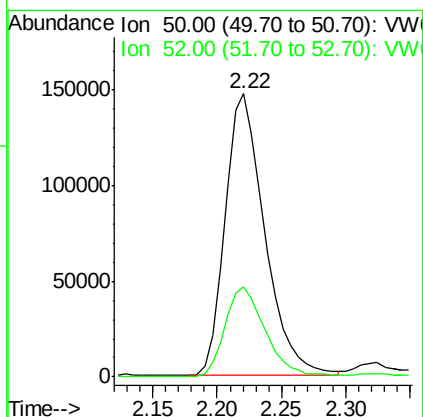
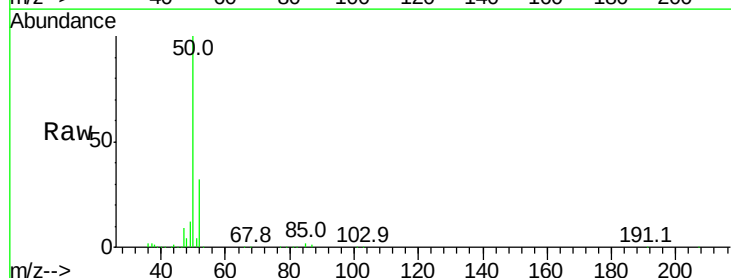
Acq: 28 Sep 2018 14:28

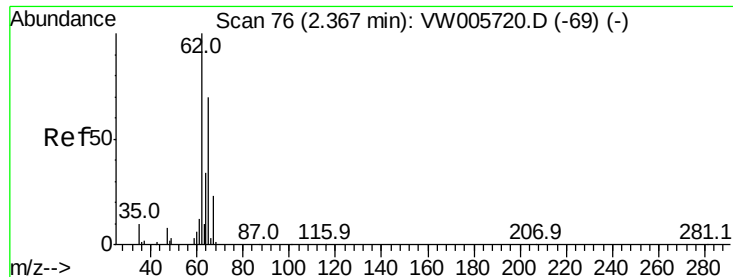
Tgt Ion: 50 Resp: 315426

Ion Ratio Lower Upper

50 100

52 31.8 23.4 43.4





#5

Vinyl chloride

Concen: 93.482 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

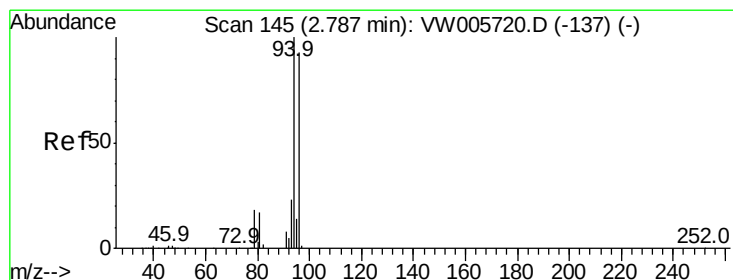
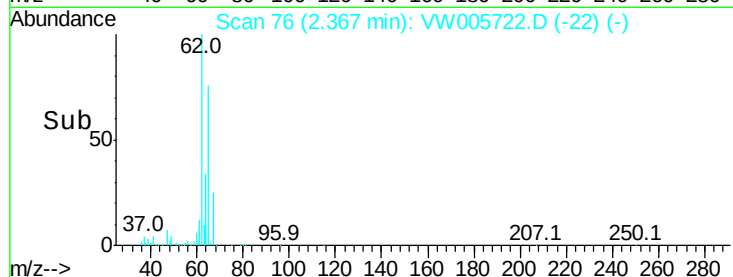
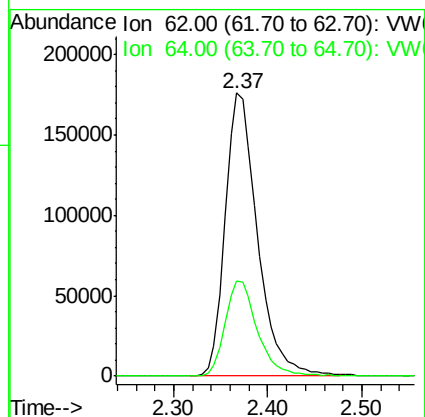
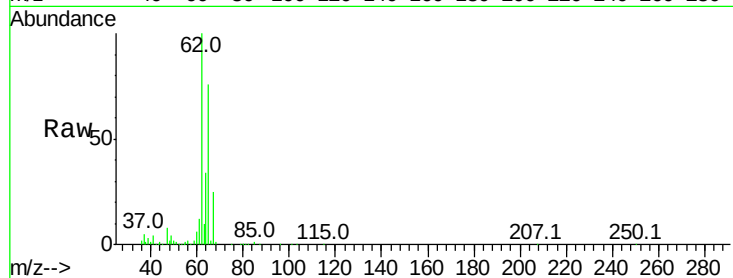
VSTD10084

Tgt Ion: 62 Resp: 418357

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.7



#6

Bromomethane

Concen: 93.848 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW005722.D

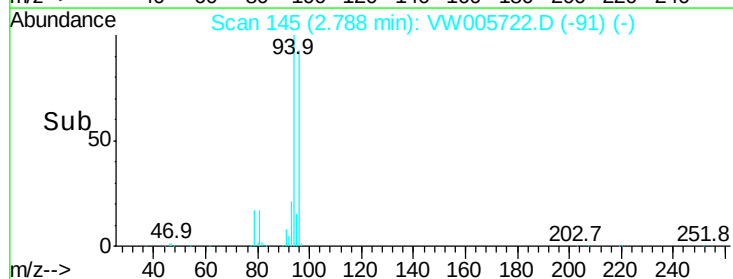
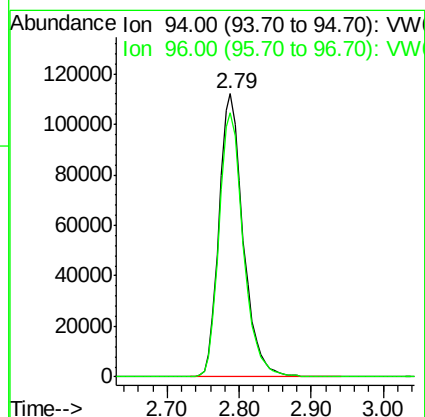
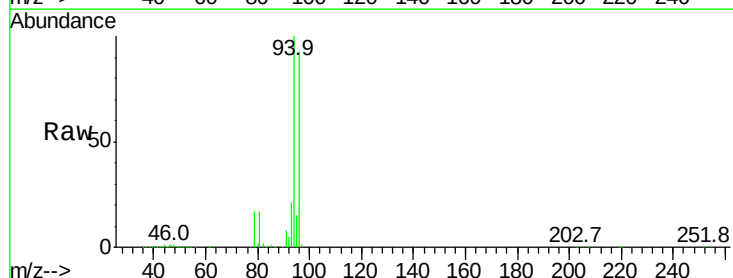
Acq: 28 Sep 2018 14:28

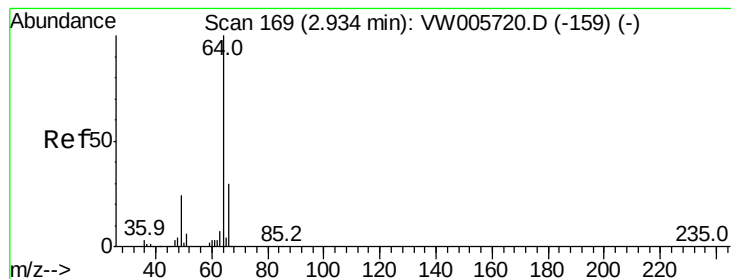
Tgt Ion: 94 Resp: 260544

Ion Ratio Lower Upper

94 100

96 93.8 9.6 181.6





#8

Chloroethane

Concen: 89.766 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

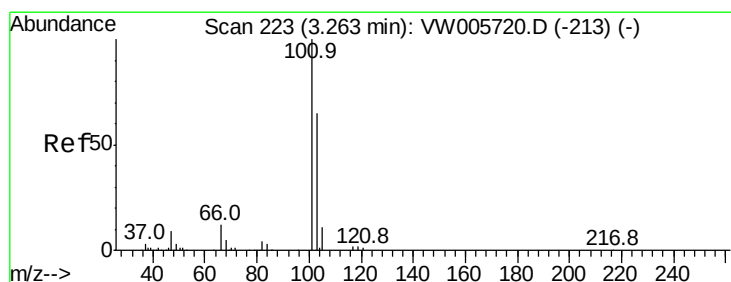
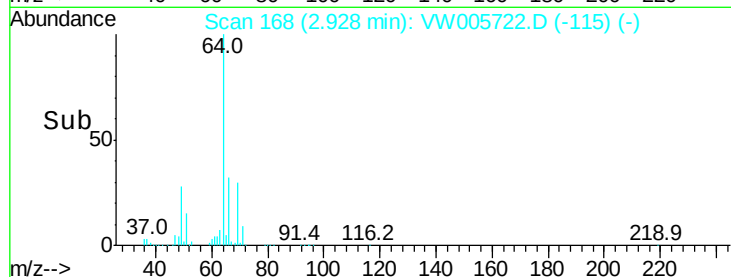
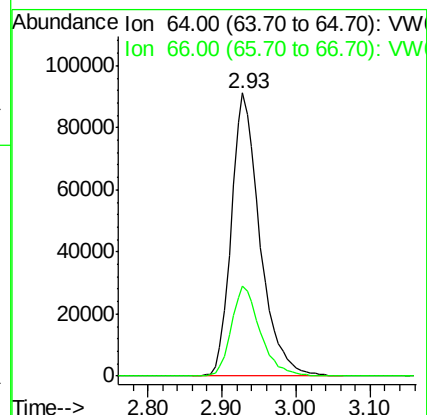
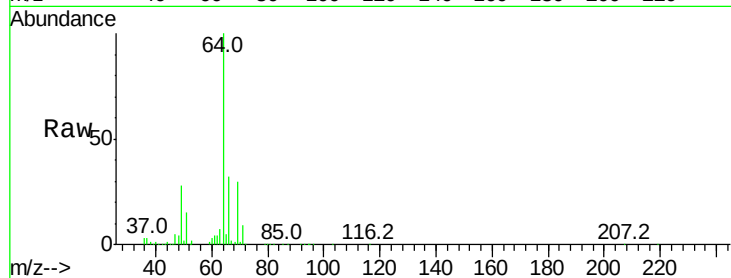
VSTD10084

Tgt Ion: 64 Resp: 244641

Ion Ratio Lower Upper

64 100

66 32.0 21.1 39.3



#9

Trichlorofluoromethane

Concen: 93.602 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW005722.D

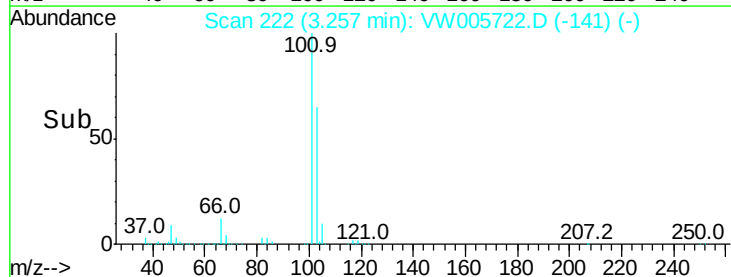
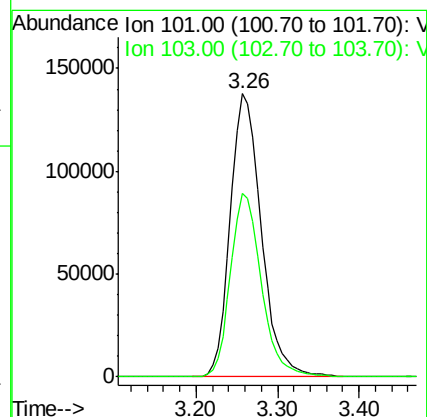
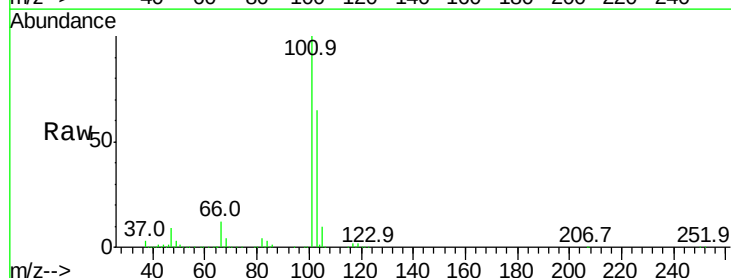
Acq: 28 Sep 2018 14:28

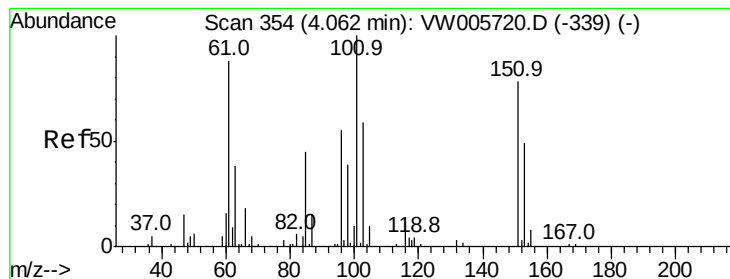
Tgt Ion: 101 Resp: 363231

Ion Ratio Lower Upper

101 100

103 64.5 44.9 83.5





#11

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

Concen: 92.413 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

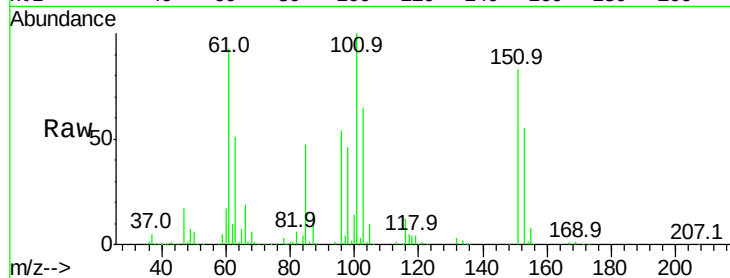
Tgt Ion: 101 Resp: 382786

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

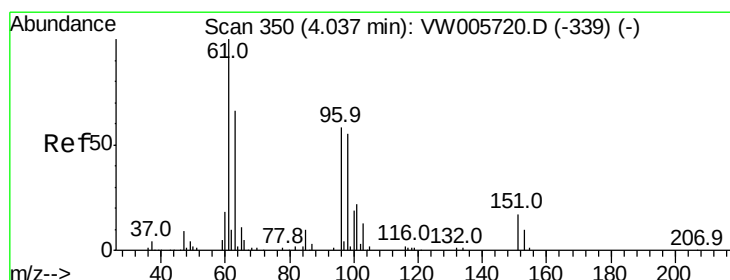
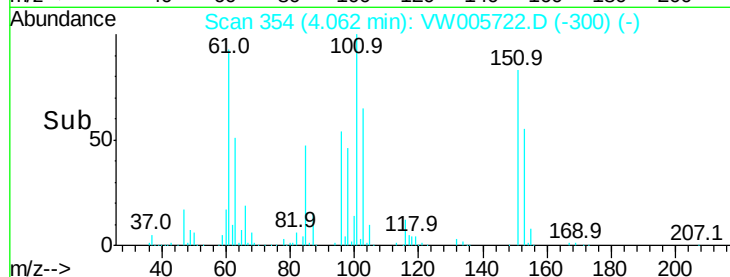
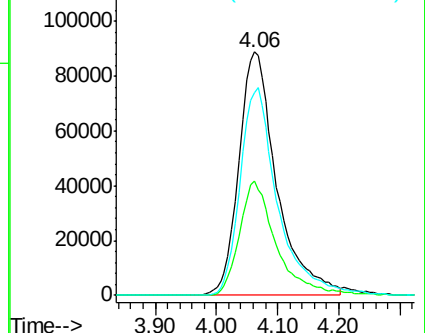
151 84.1 66.4 99.6



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: 92.775 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

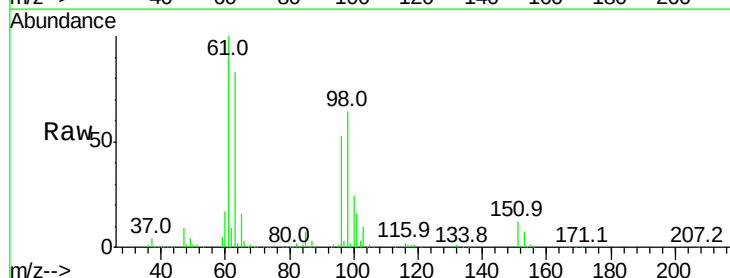
Tgt Ion: 96 Resp: 361551

Ion Ratio Lower Upper

96 100

61 187.4 121.4 225.6

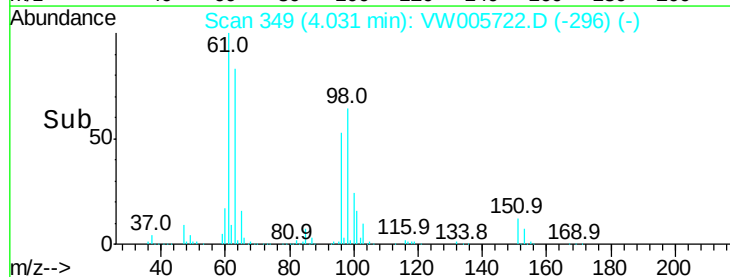
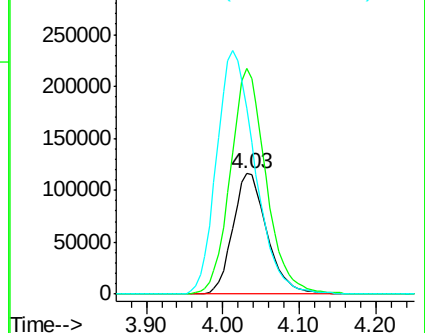
63 154.7 87.2 161.9

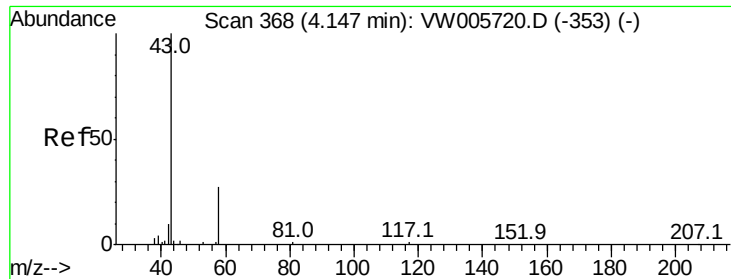


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 135.863 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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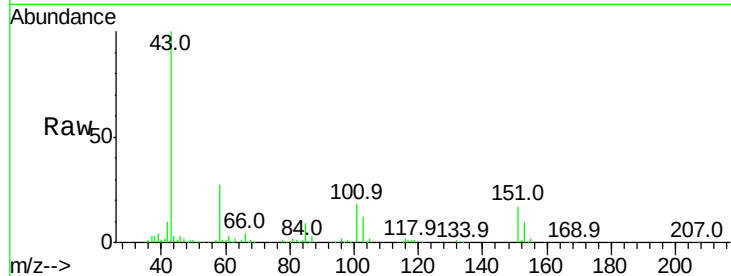
VSTD10084

Tgt Ion: 43 Resp: 192573

Ion Ratio Lower Upper

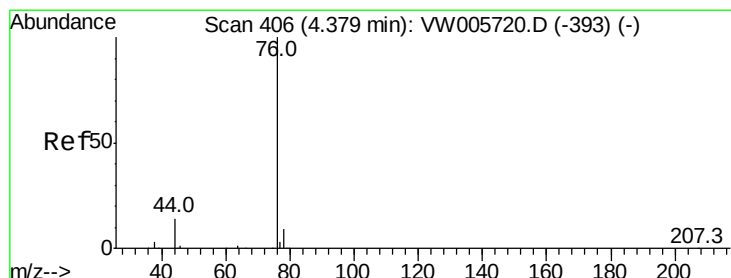
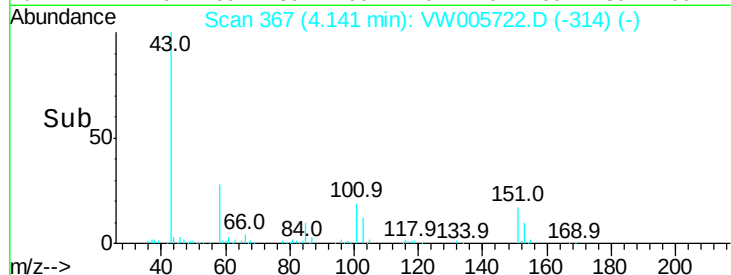
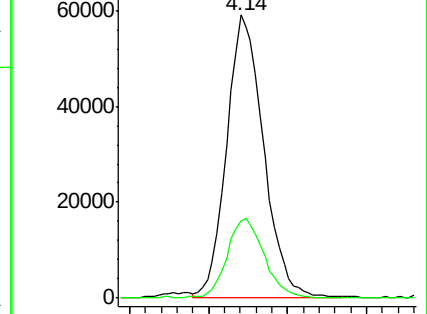
43 100

58 28.3 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 86.022 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005722.D

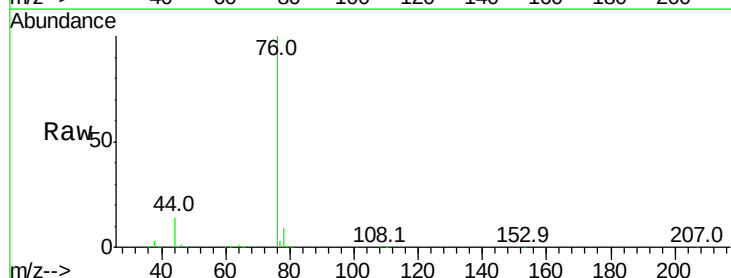
Acq: 28 Sep 2018 14:28

Tgt Ion: 76 Resp: 1088437

Ion Ratio Lower Upper

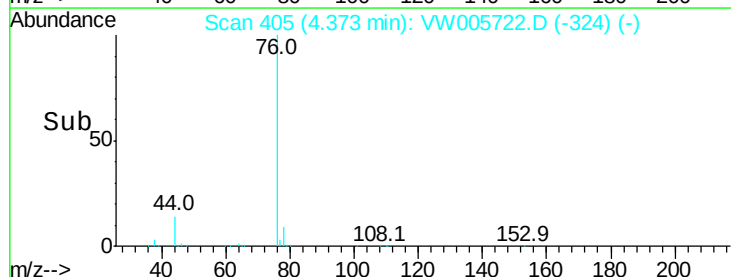
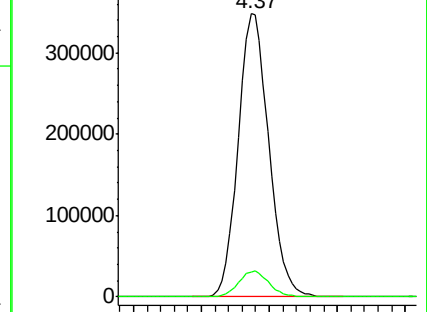
76 100

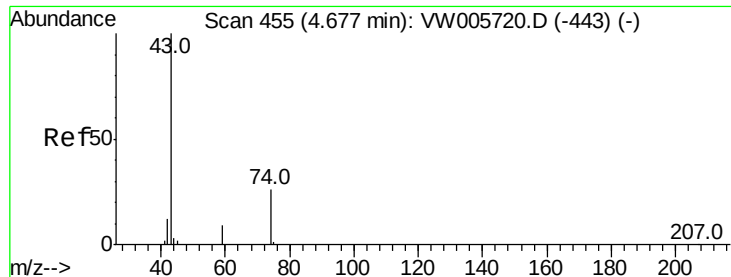
78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

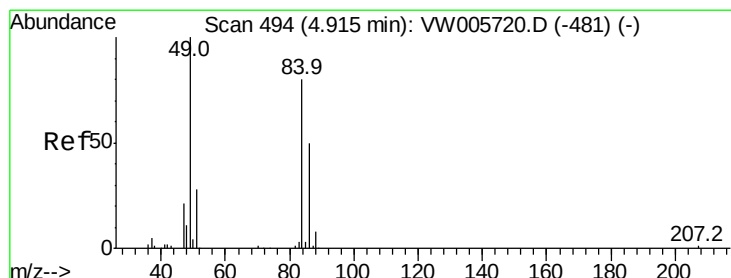
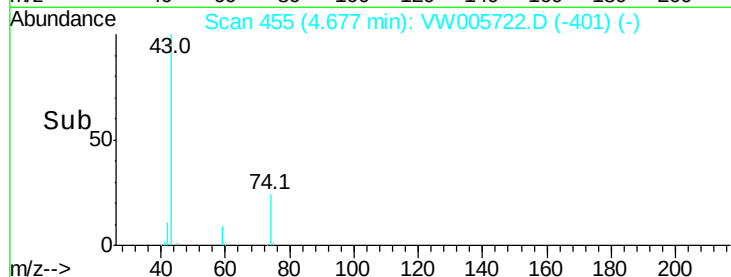
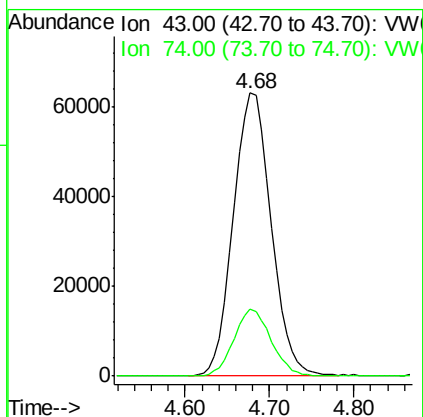
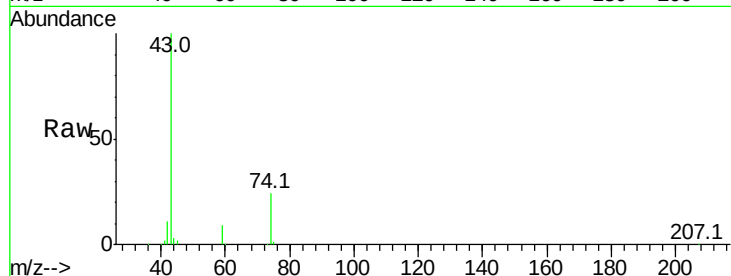




#15
Methyl Acetate
Concen: 69.296 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005722.D
Acq: 28 Sep 2018 14:28

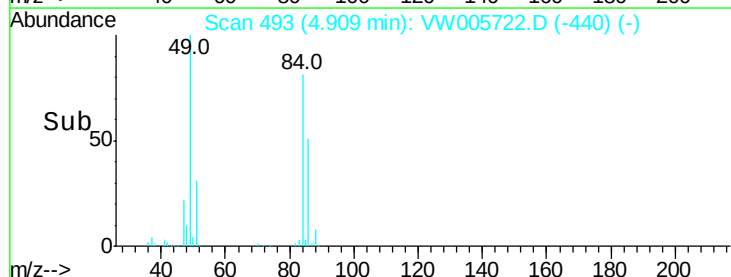
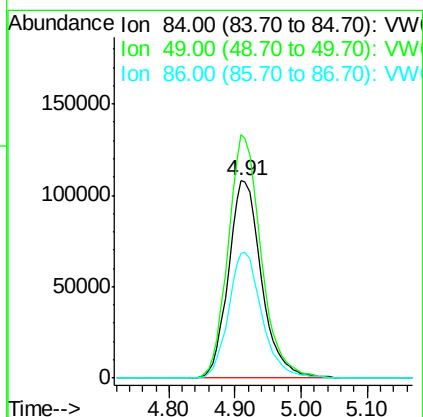
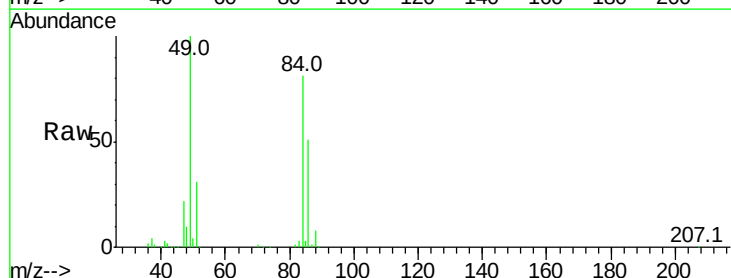
Instrument :
MSVOA_W
ClientSampleId :
VSTD10084

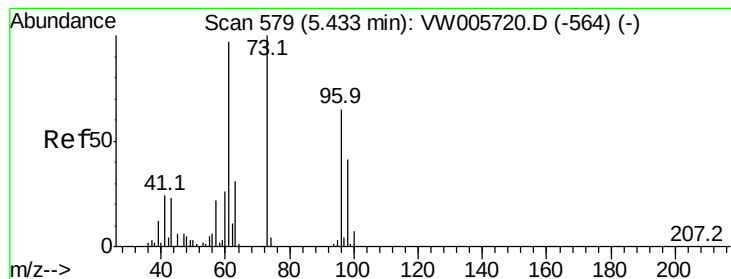
Tgt Ion: 43 Resp: 191707
Ion Ratio Lower Upper
43 100
74 23.3 19.5 29.3



#16
Methylene chloride
Concen: 72.016 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005722.D
Acq: 28 Sep 2018 14:28

Tgt Ion: 84 Resp: 375263
Ion Ratio Lower Upper
84 100
49 123.6 87.2 162.0
86 63.4 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 94.741 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

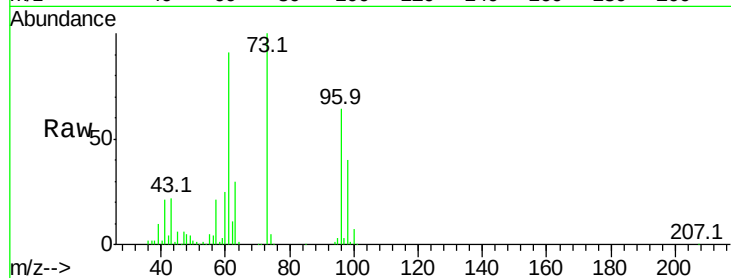
Tgt Ion: 73 Resp: 593886

Ion Ratio Lower Upper

73 100

43 22.1 18.2 27.4

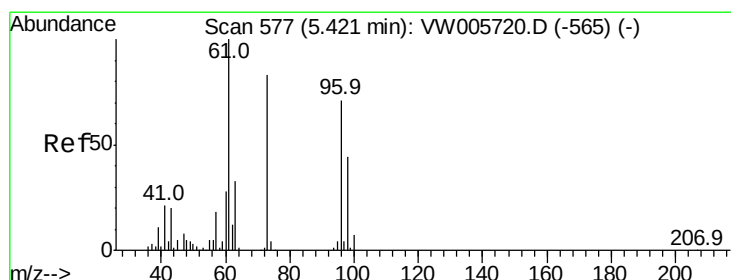
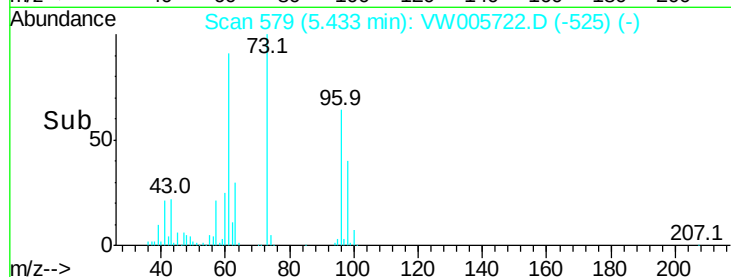
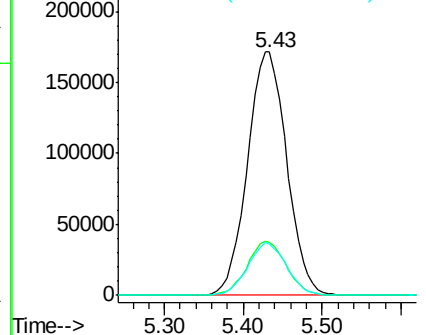
57 21.3 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 91.865 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

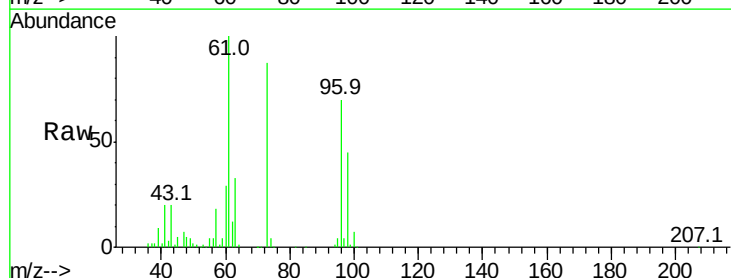
Tgt Ion: 96 Resp: 381031

Ion Ratio Lower Upper

96 100

61 143.7 98.6 183.2

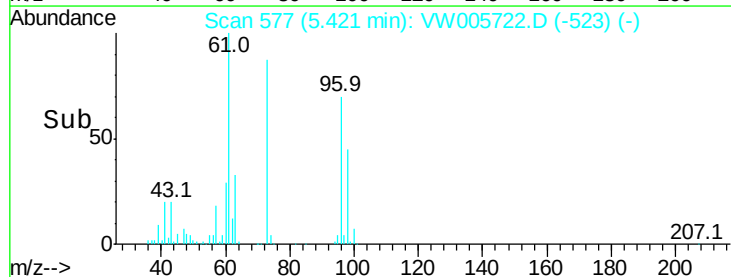
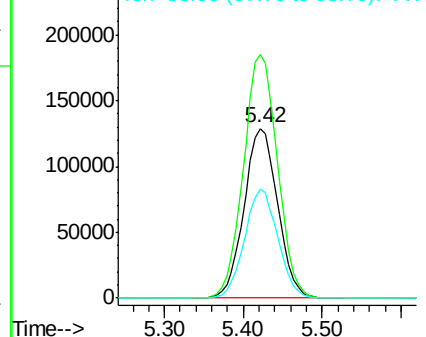
98 64.7 43.7 81.1

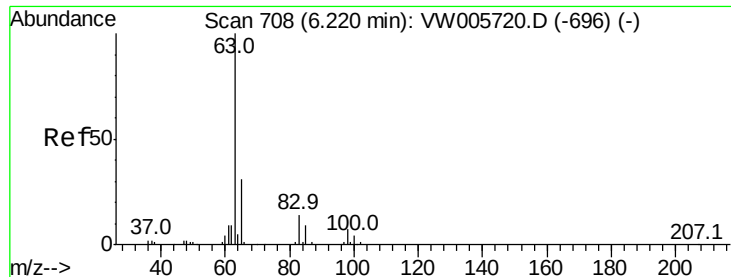


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

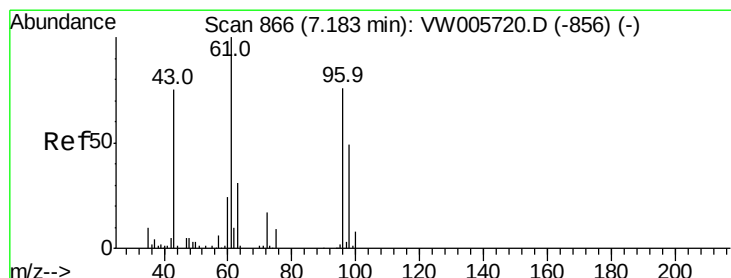
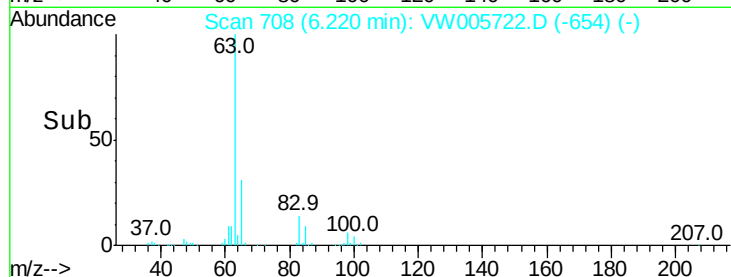
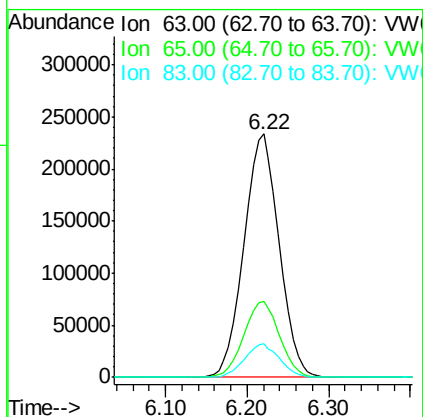
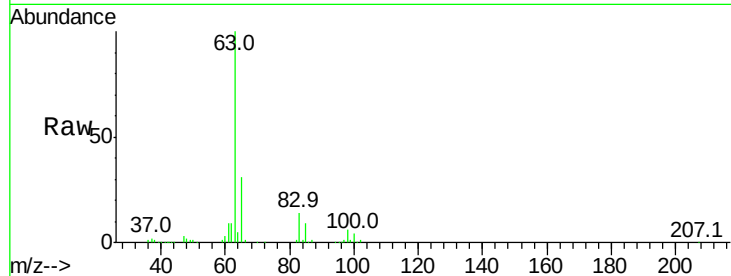




#19
 1,1-Dichloroethane
 Concen: 88.559 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

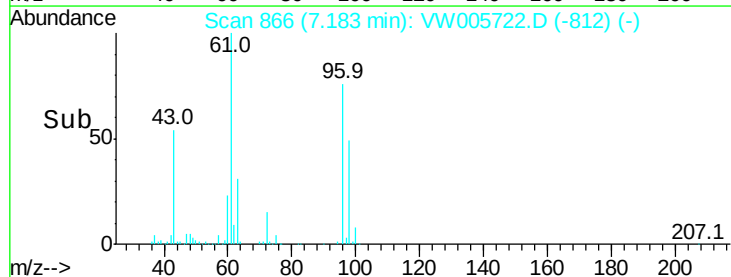
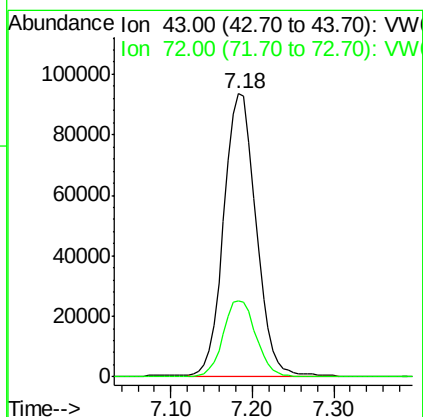
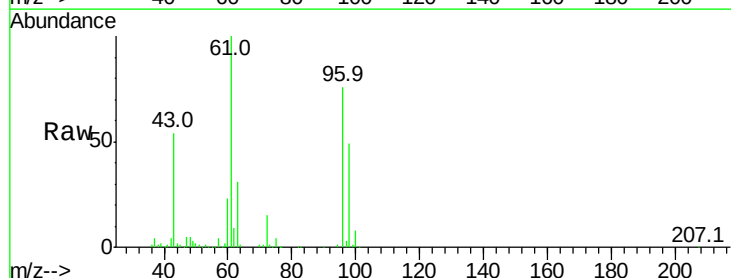
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10084

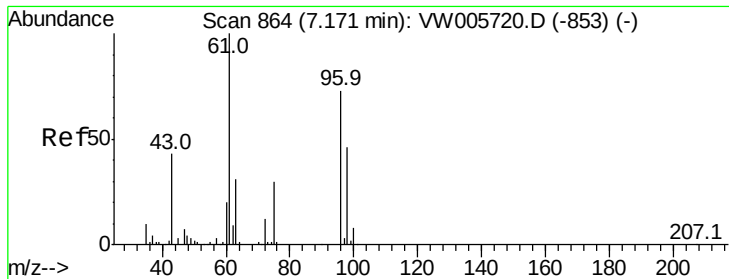
Tgt Ion: 63 Resp: 700701
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.4
 83 13.8 9.7 18.1



#21
 2-Butanone
 Concen: 131.627 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion: 43 Resp: 255744
 Ion Ratio Lower Upper
 43 100
 72 27.5 13.2 39.6



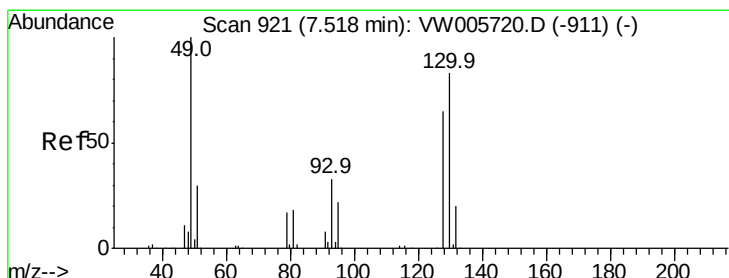
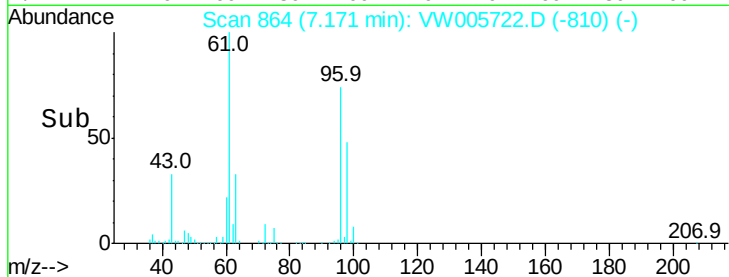
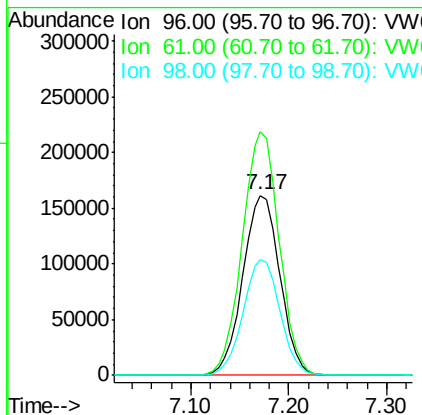
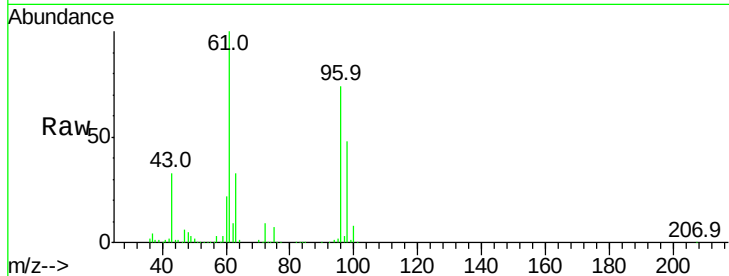


#22

cis-1,2-Dichloroethene
 Concen: 94.783 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10084

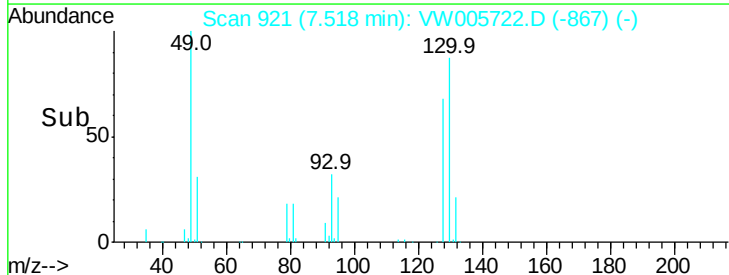
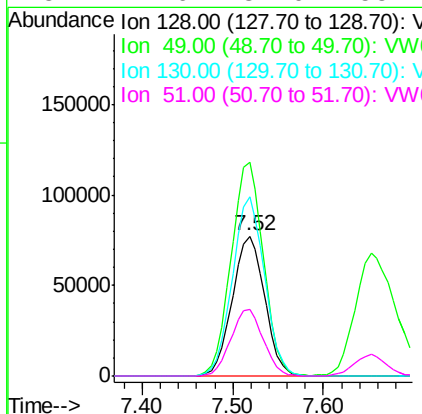
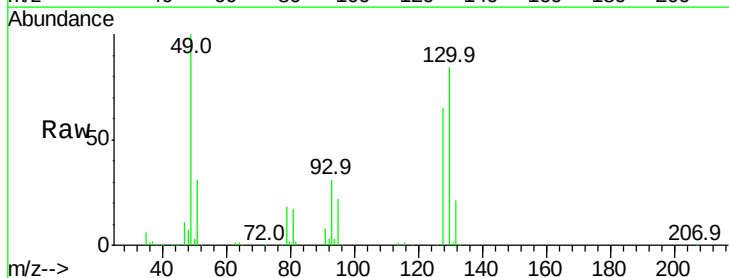
Tgt Ion: 96 Resp: 426369
 Ion Ratio Lower Upper
 96 100
 61 135.2 95.7 177.7
 98 64.3 44.1 81.9

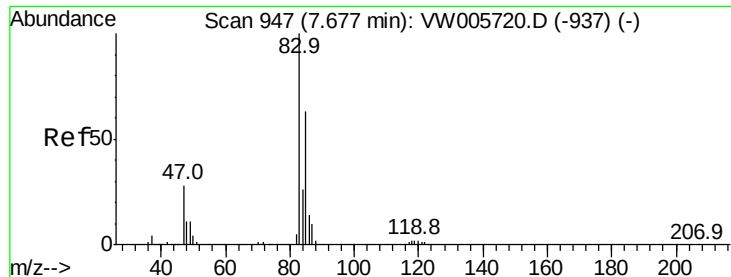


#23

Bromochloromethane
 Concen: 95.530 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion: 128 Resp: 191085
 Ion Ratio Lower Upper
 128 100
 49 152.7 108.1 200.7
 130 128.4 89.3 165.9
 51 47.6 37.0 55.4

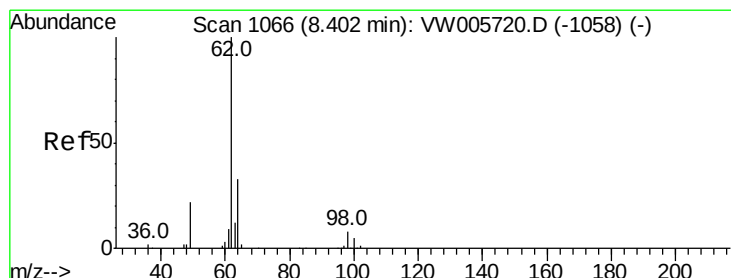
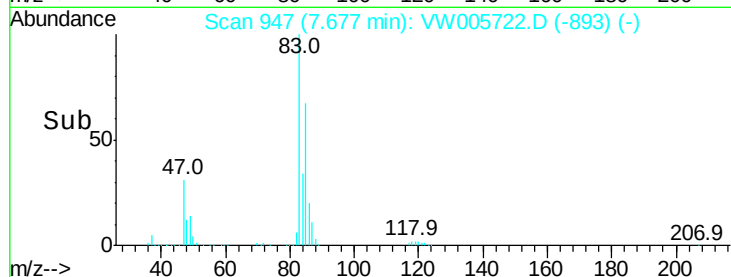
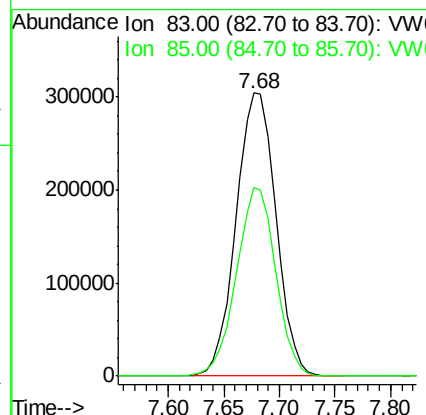
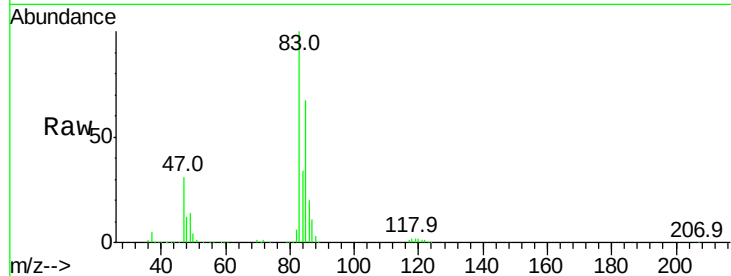




#25
Chloroform
Concen: 94.958 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005722.D
Acq: 28 Sep 2018 14:28

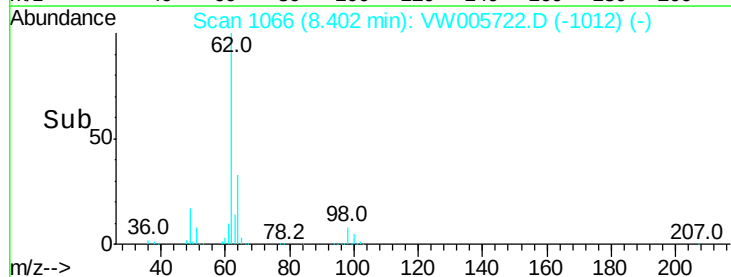
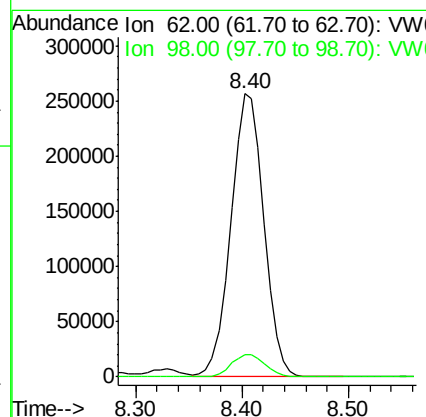
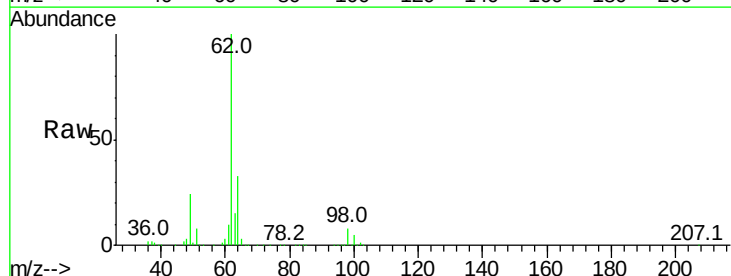
Instrument :
MSVOA_W
ClientSampleId :
VSTD10084

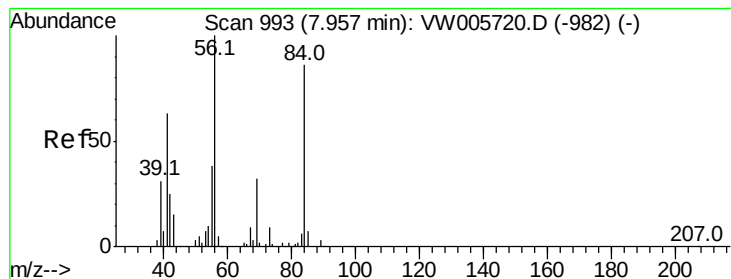
Tgt Ion: 83 Resp: 758418
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 94.085 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005722.D
Acq: 28 Sep 2018 14:28

Tgt Ion: 62 Resp: 554458
Ion Ratio Lower Upper
62 100
98 7.9 6.2 9.2





#30

Cyclohexane

Concen: 86.001 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

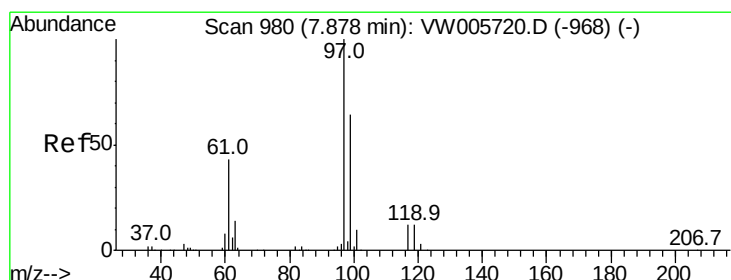
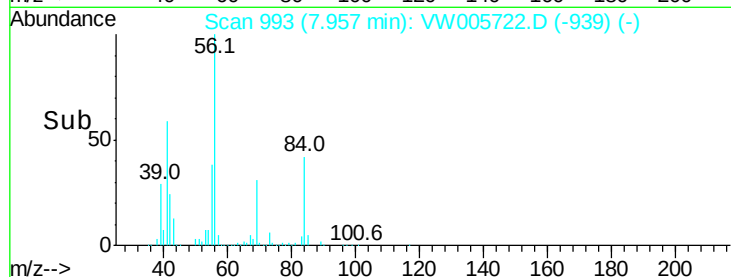
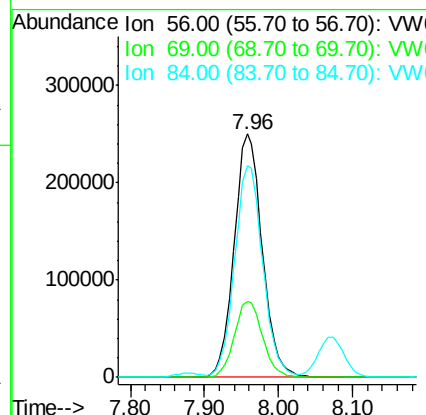
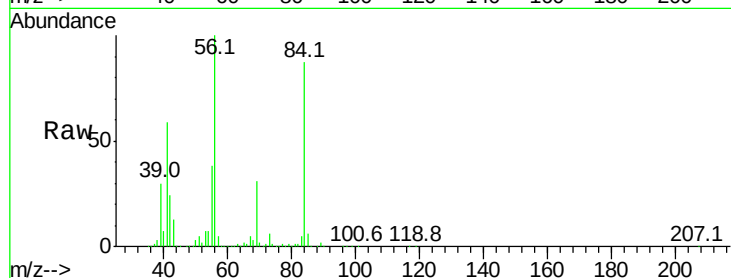
Tgt Ion: 56 Resp: 663007

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 87.3 70.2 105.2



#31

1,1,1-Trichloroethane

Concen: 100.400 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

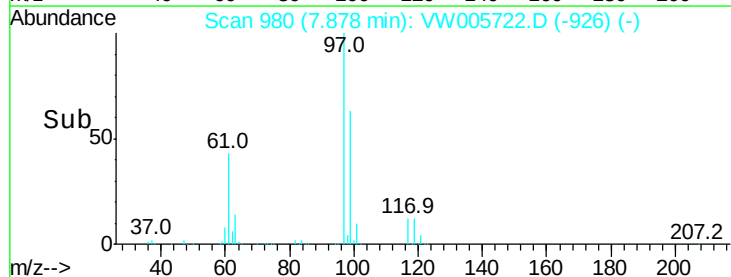
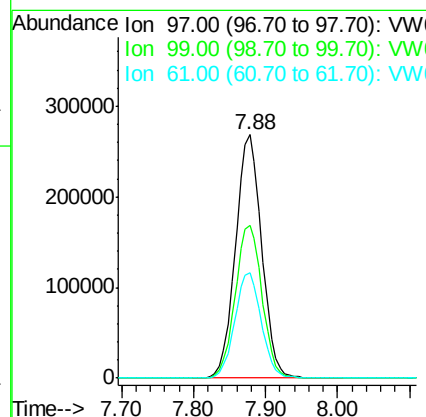
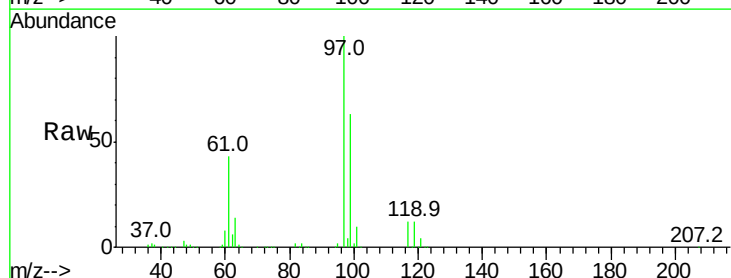
Tgt Ion: 97 Resp: 677489

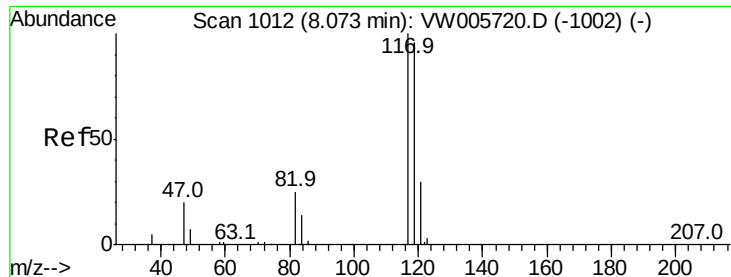
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 43.9 35.4 53.2





#32

Carbon tetrachloride

Concen: 102.885 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

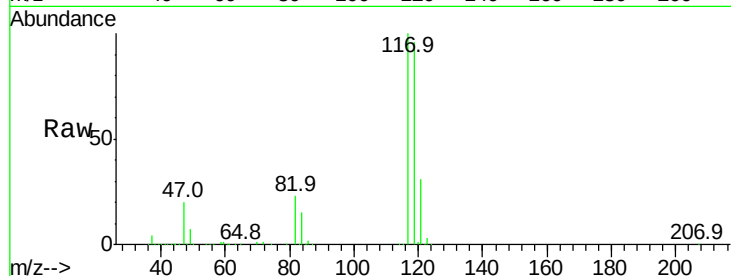
VSTD10084

Tgt Ion:117 Resp: 661400

Ion Ratio Lower Upper

117 100

119 96.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

300000

250000

200000

150000

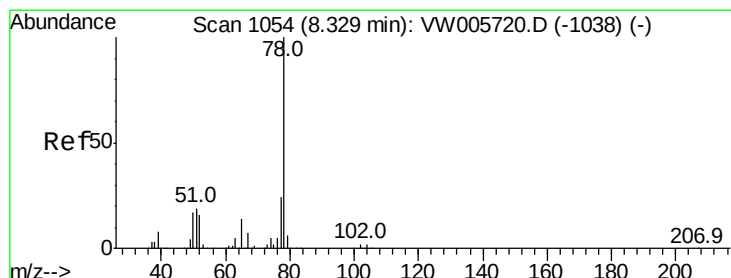
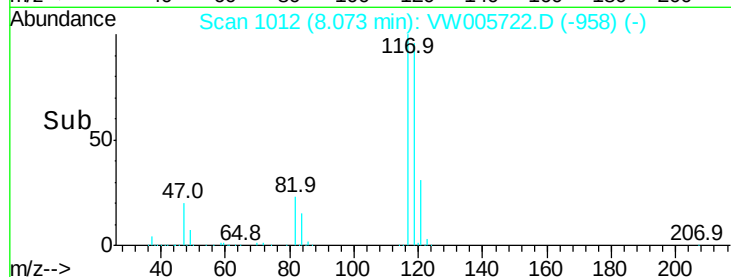
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 88.872 ug/L

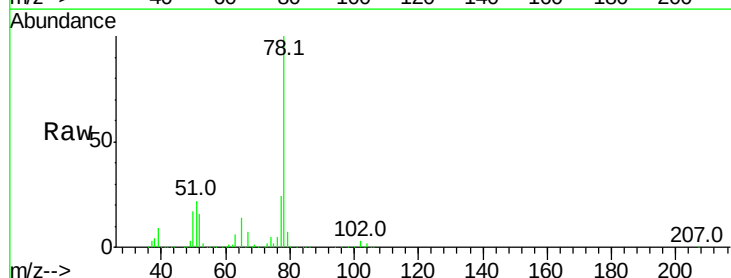
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Tgt Ion: 78 Resp: 1584594



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

600000

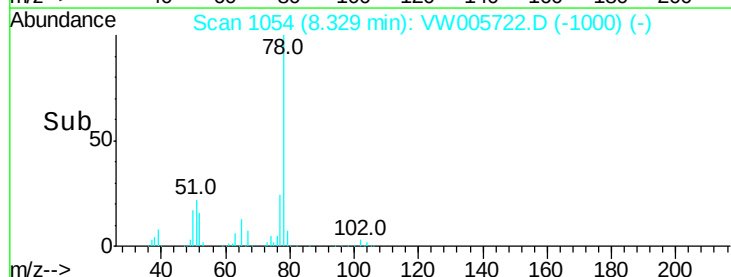
400000

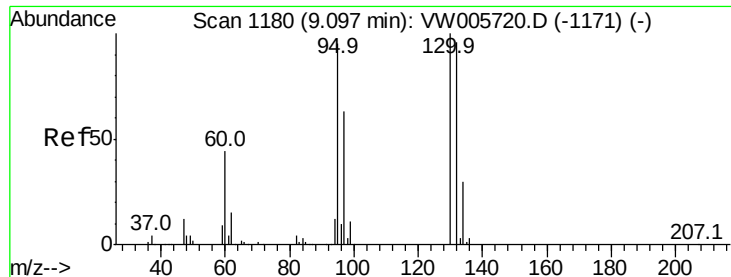
200000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 92.922 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampled :

VSTD10084

Tgt Ion: 95 Resp: 428532

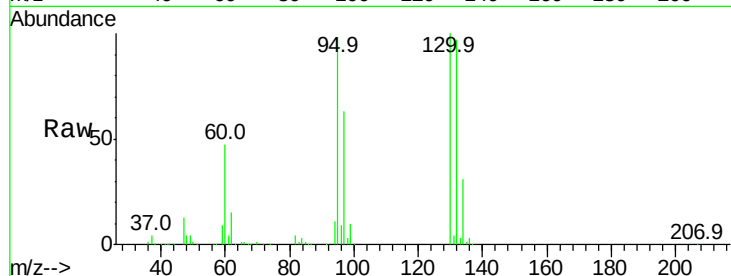
Ion Ratio Lower Upper

95 100

97 64.5 45.2 84.0

132 97.7 68.0 126.4

130 101.1 71.3 132.5

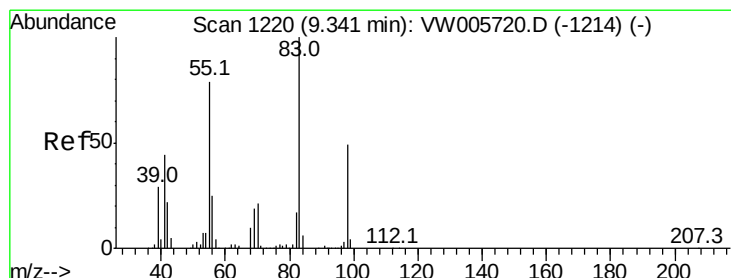
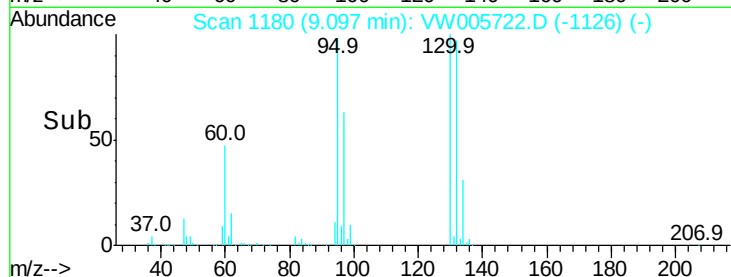
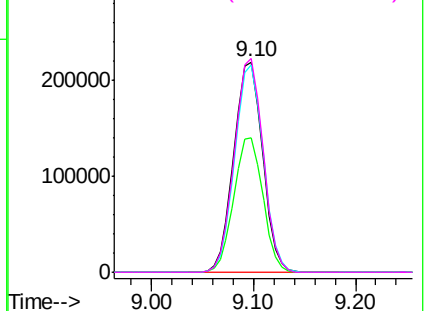


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 91.314 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

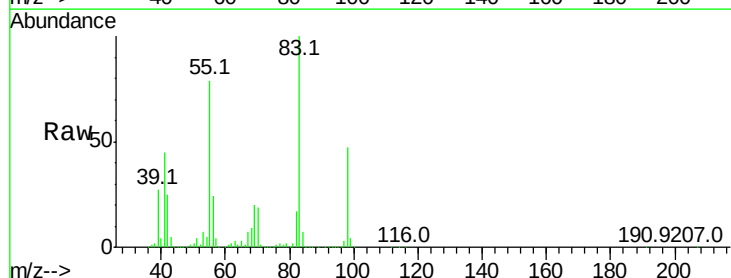
Tgt Ion: 83 Resp: 754874

Ion Ratio Lower Upper

83 100

55 79.7 62.5 93.7

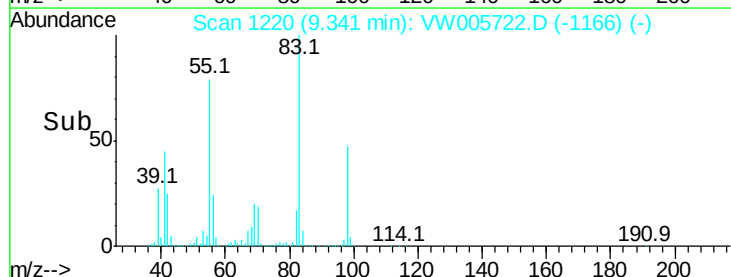
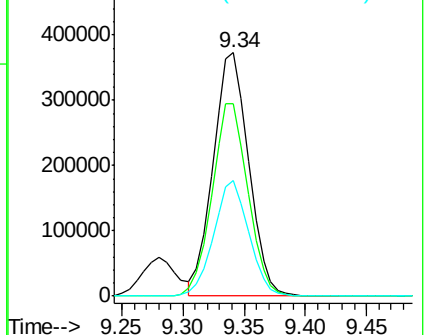
98 46.9 37.7 56.5

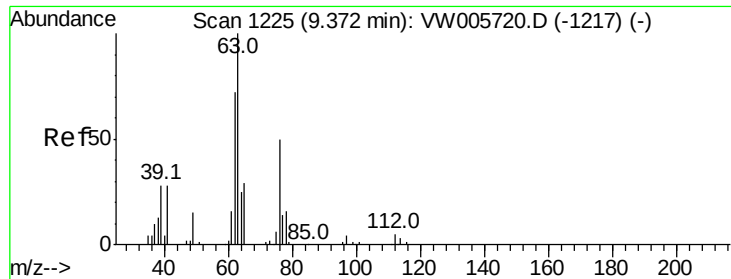


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

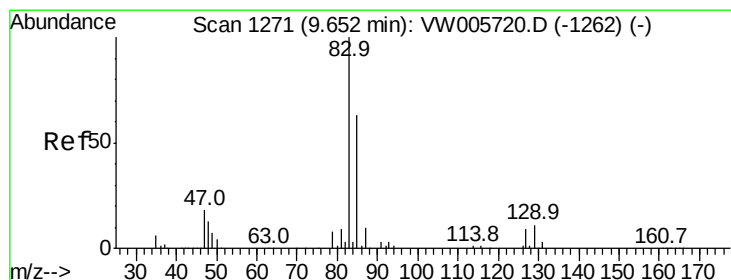
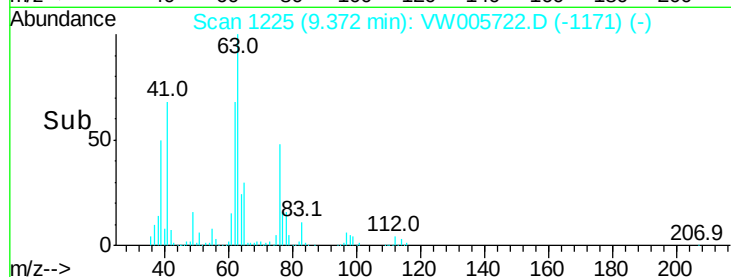
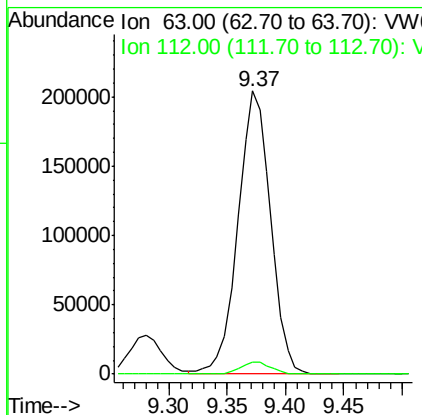
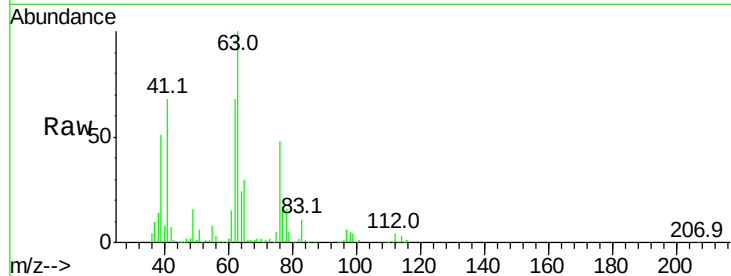




#40
 1,2-Dichloropropane
 Concen: 86.172 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

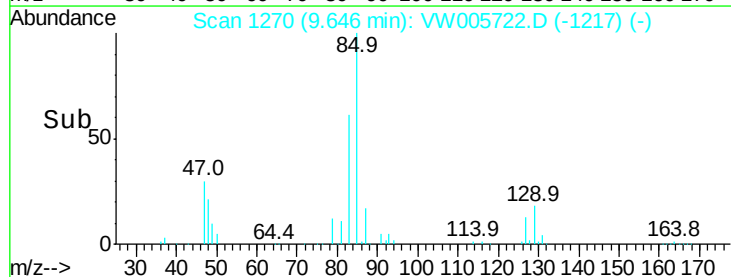
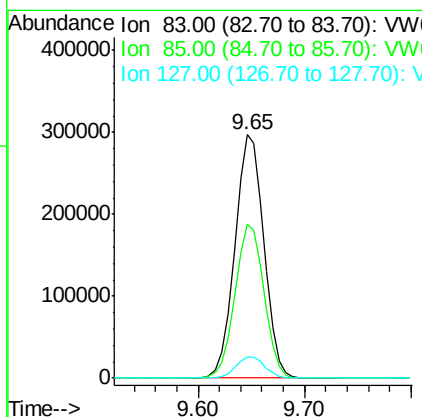
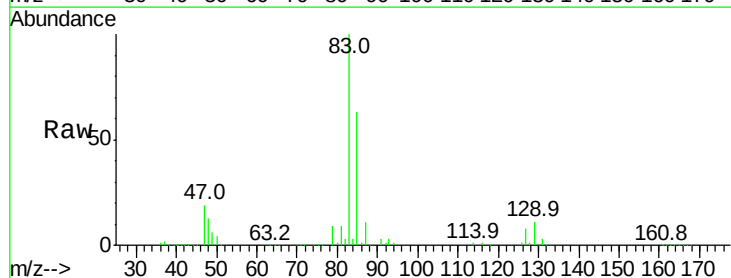
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10084

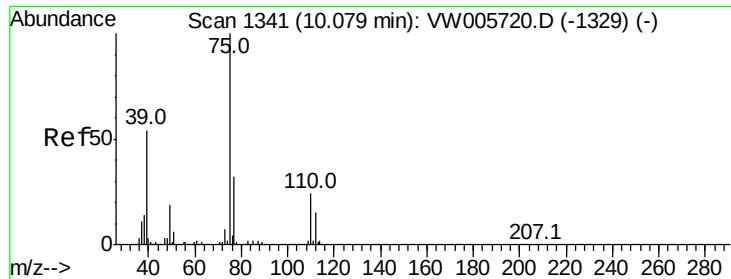
Tgt Ion: 63 Resp: 398927
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#41
 Bromodichloromethane
 Concen: 99.054 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion: 83 Resp: 565407
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.1 81.9
 127 8.4 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 99.980 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

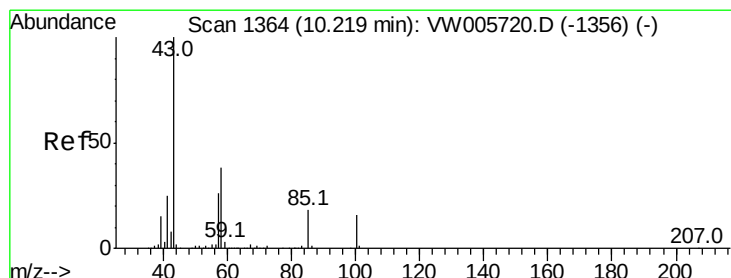
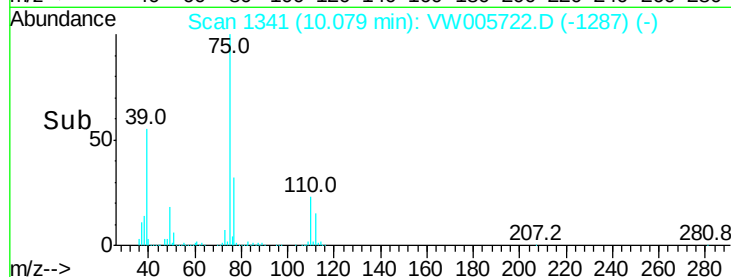
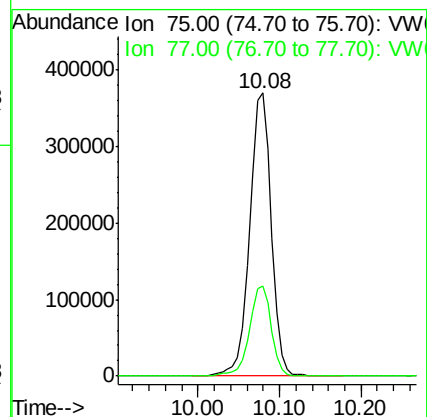
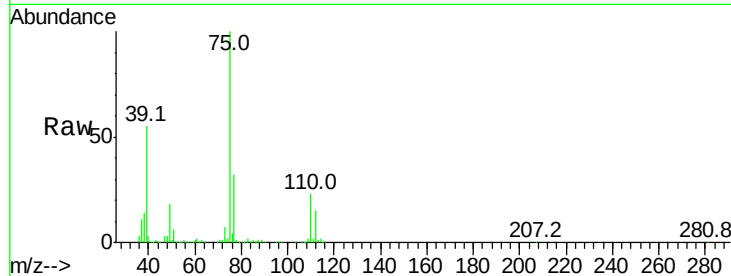
VSTD10084

Tgt Ion: 75 Resp: 680529

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 158.150 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

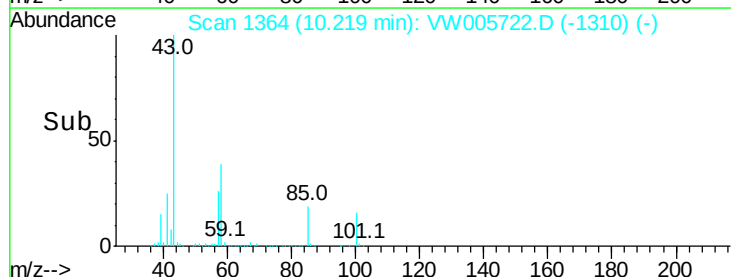
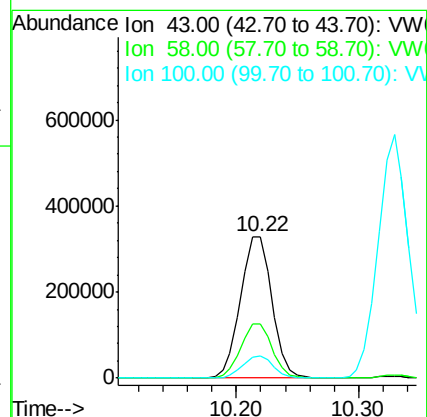
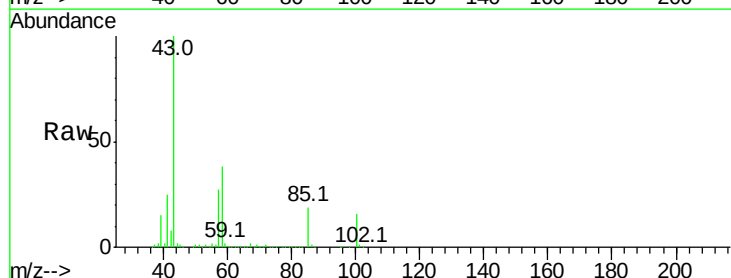
Tgt Ion: 43 Resp: 587258

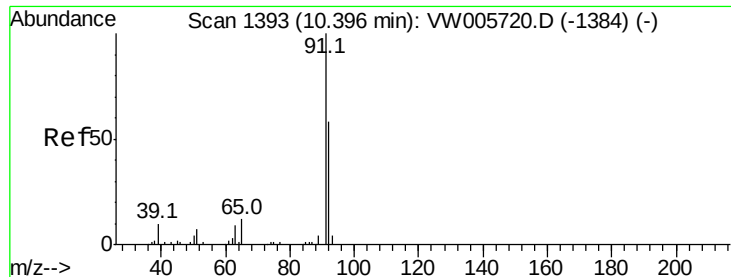
Ion Ratio Lower Upper

43 100

58 38.2 29.8 44.8

100 15.3 12.2 18.4





#44

Toluene

Concen: 95.406 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

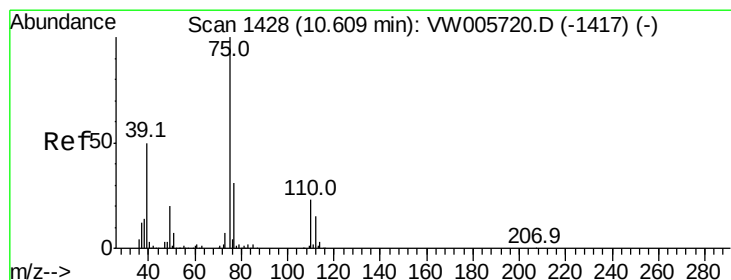
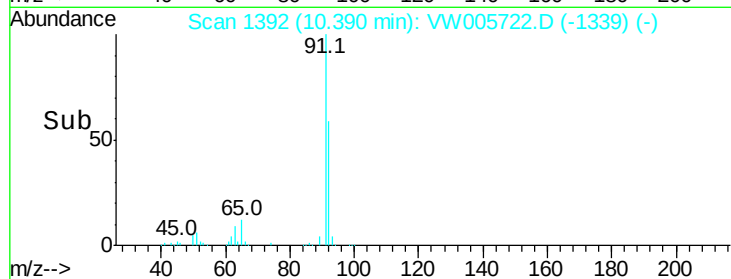
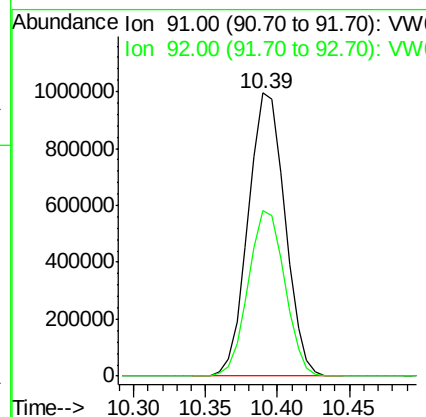
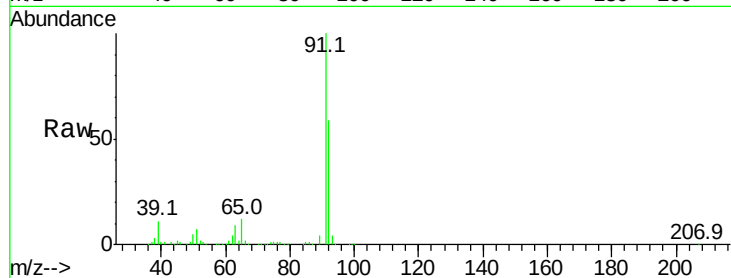
VSTD10084

Tgt Ion: 91 Resp: 1759013

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 100.090 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005722.D

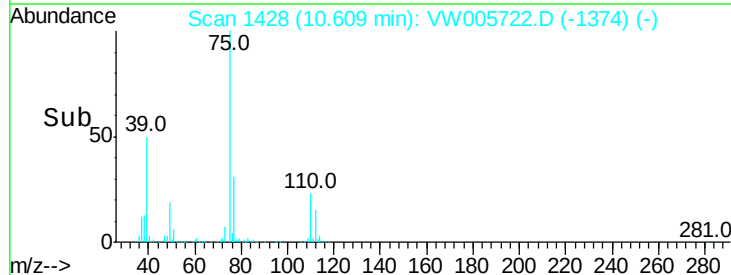
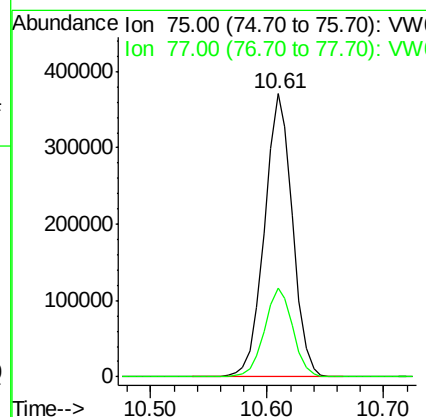
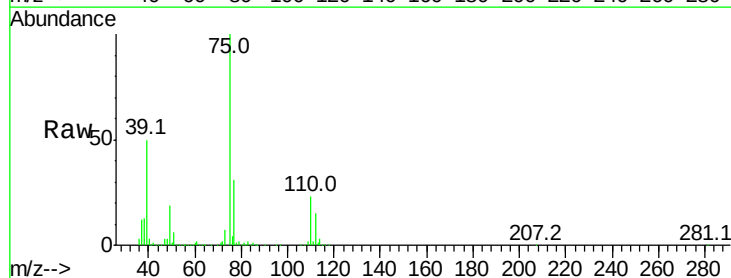
Acq: 28 Sep 2018 14:28

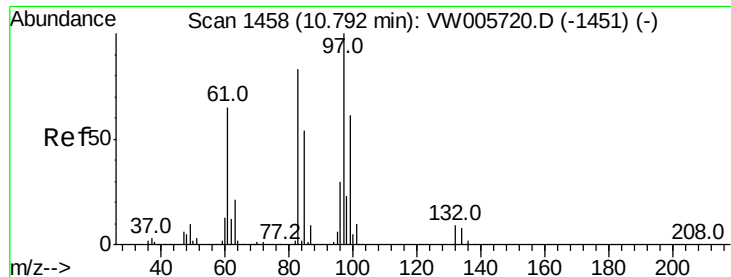
Tgt Ion: 75 Resp: 622005

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 89.801 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

Tgt Ion: 97 Resp: 308180

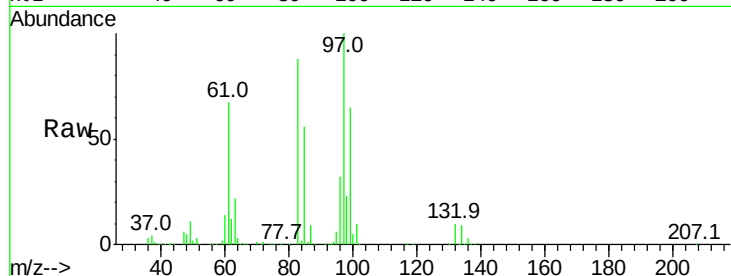
Ion Ratio Lower Upper

97 100

83 87.8 58.3 108.3

85 56.0 38.0 70.6

99 65.3 42.8 79.4

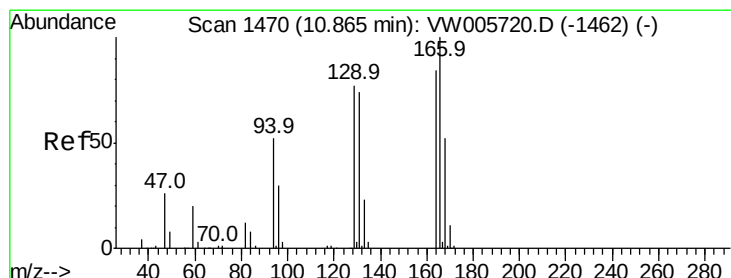
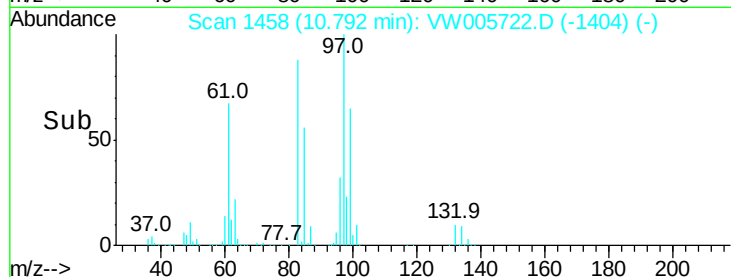
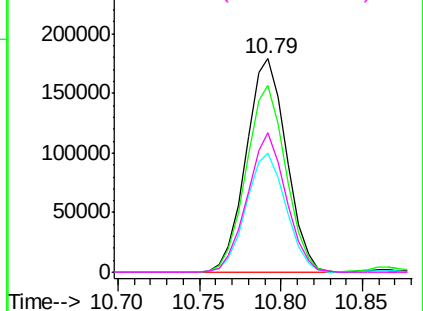


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 96.648 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Tgt Ion: 164 Resp: 363414

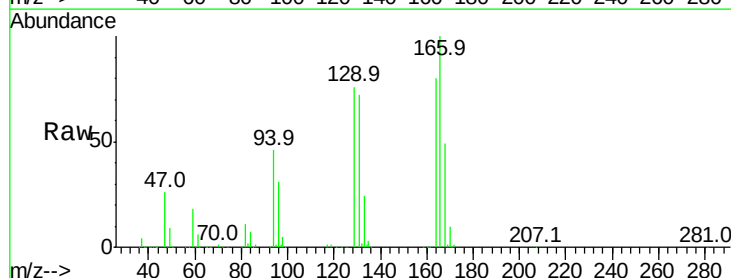
Ion Ratio Lower Upper

164 100

129 94.9 63.8 118.4

131 90.9 61.5 114.3

166 125.6 83.2 154.6

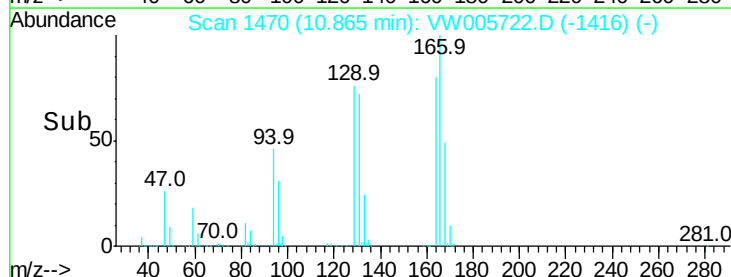
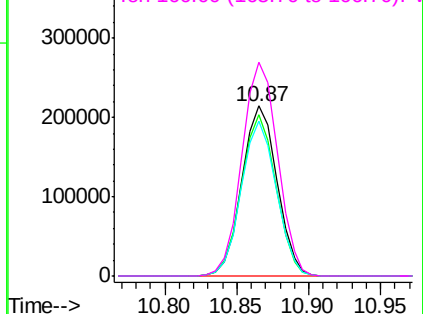


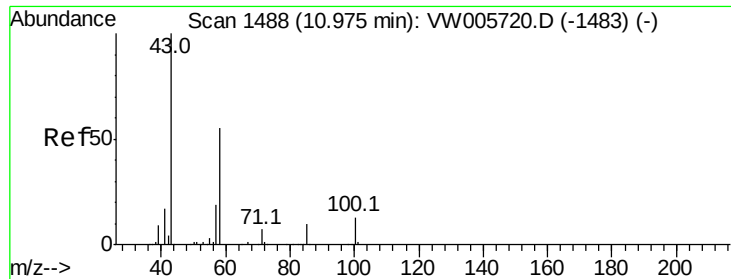
Abundance Ion 164.00 (163.70 to 164.70): V

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: 158.162 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

Tgt Ion: 43 Resp: 424382

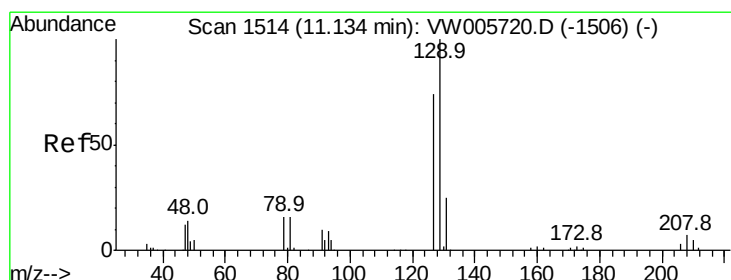
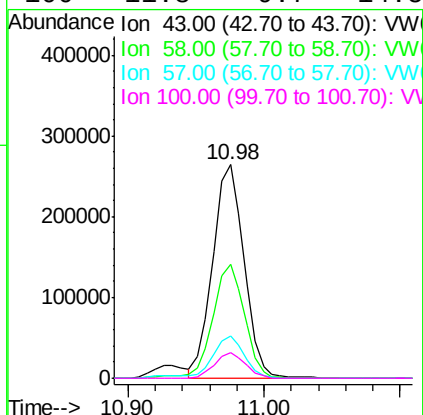
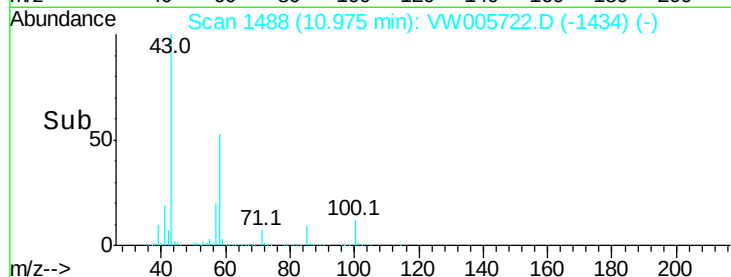
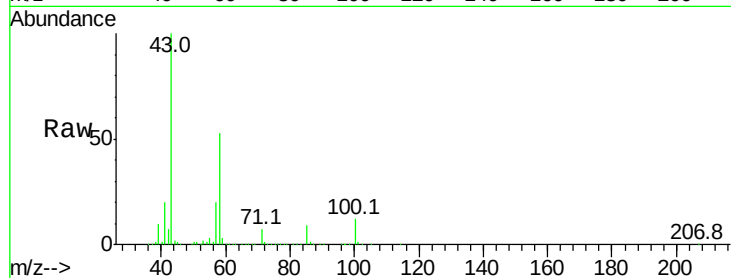
Ion Ratio Lower Upper

43 100

58 52.9 42.0 63.0

57 19.4 15.7 23.5

100 11.8 9.7 14.5



#50

Dibromochloromethane

Concen: 101.079 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005722.D

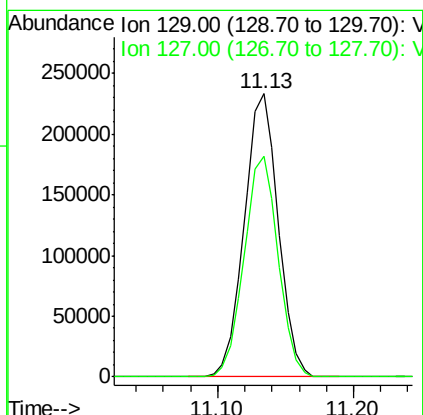
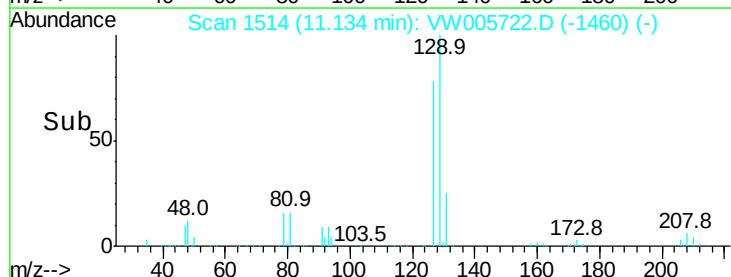
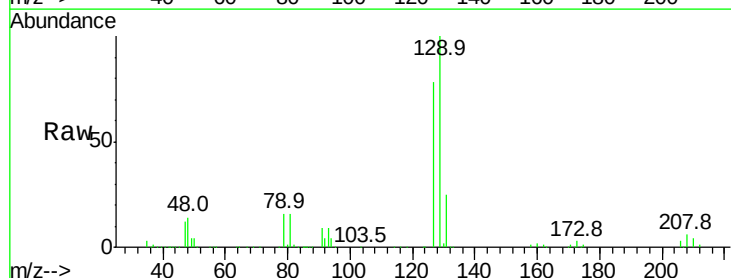
Acq: 28 Sep 2018 14:28

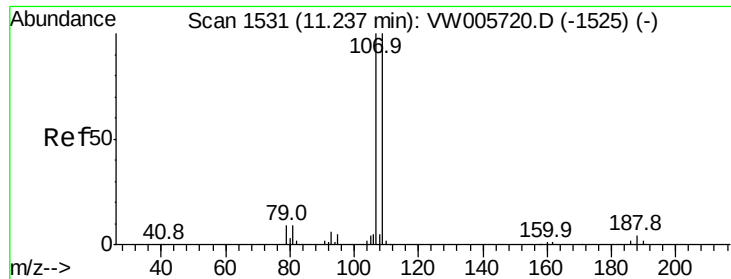
Tgt Ion: 129 Resp: 407937

Ion Ratio Lower Upper

129 100

127 77.8 51.7 95.9

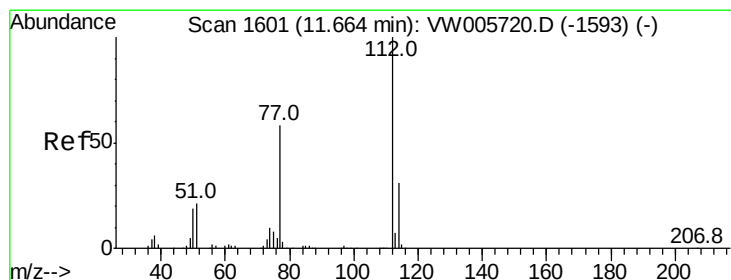
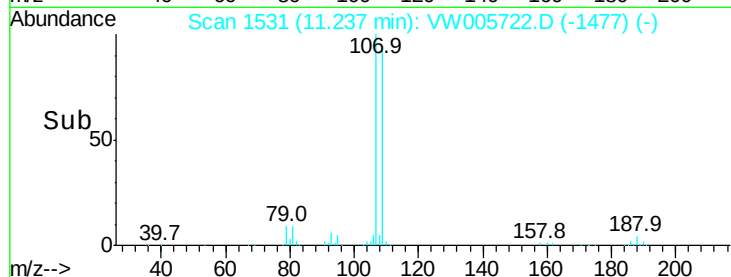
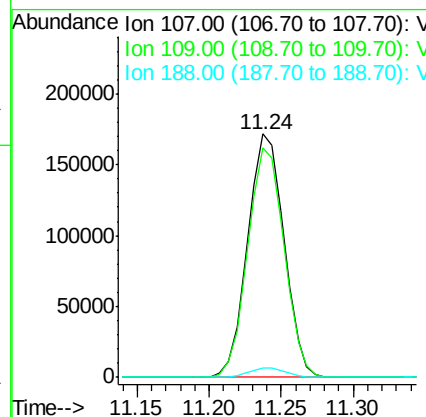
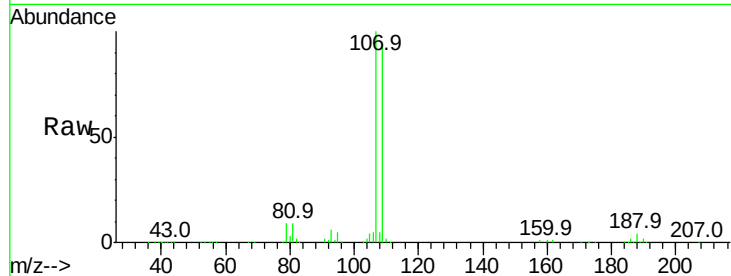




#51
 1,2-Dibromoethane
 Concen: 92.427 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

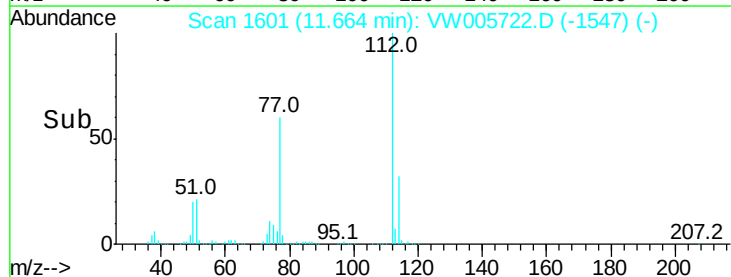
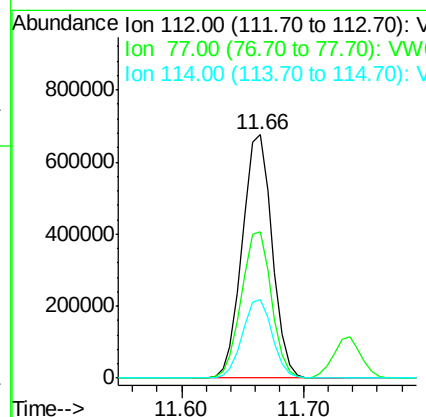
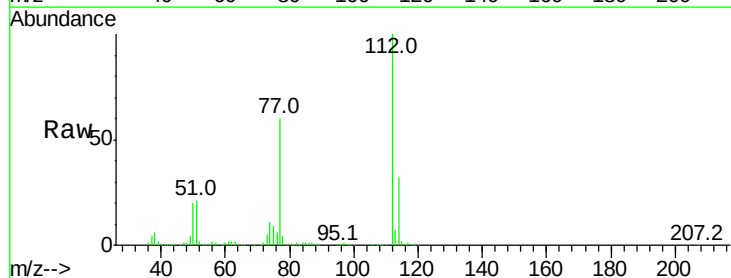
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10084

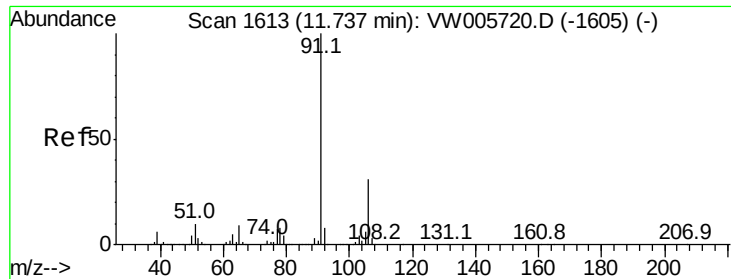
Tgt Ion:107 Resp: 300005
 Ion Ratio Lower Upper
 107 100
 109 94.3 70.1 130.3
 188 4.0 3.4 5.2



#52
 Chlorobenzene
 Concen: 95.554 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion:112 Resp: 1141566
 Ion Ratio Lower Upper
 112 100
 77 59.9 46.7 70.1
 114 32.2 21.8 40.6





#53

Ethylbenzene

Concen: 97.209 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampled :

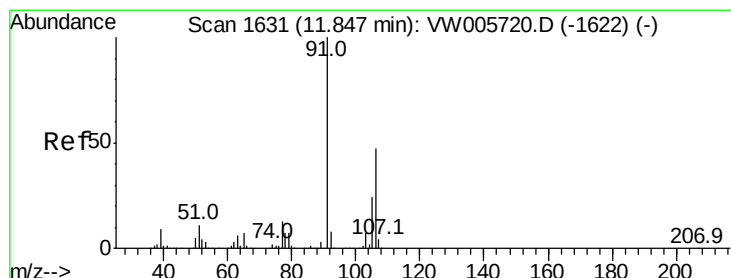
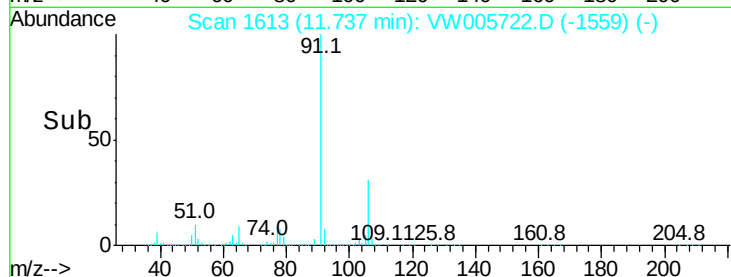
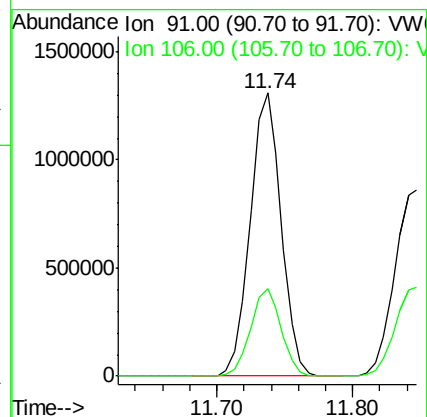
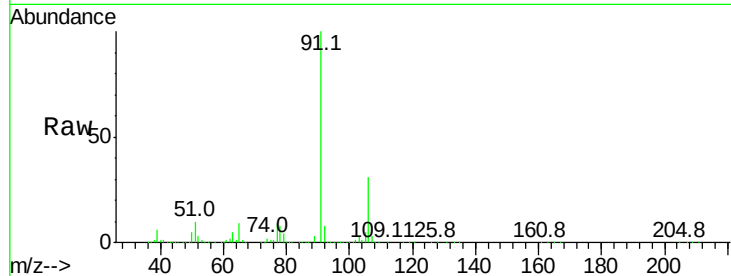
VSTD10084

Tgt Ion: 91 Resp: 2081533

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#54

m,p-Xylene

Concen: 99.051 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005722.D

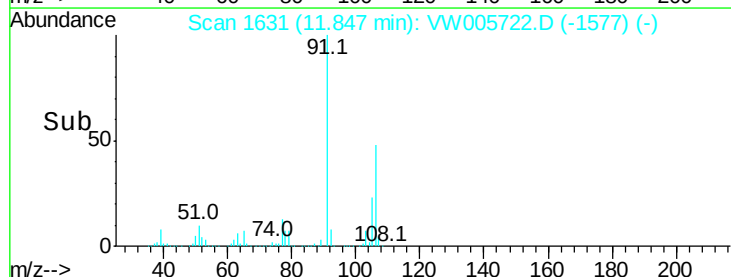
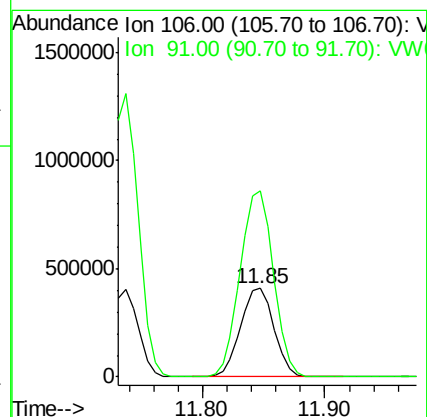
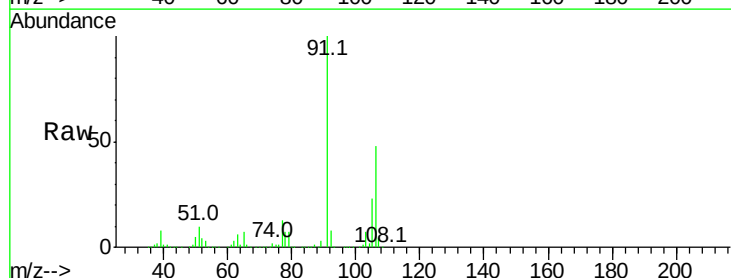
Acq: 28 Sep 2018 14:28

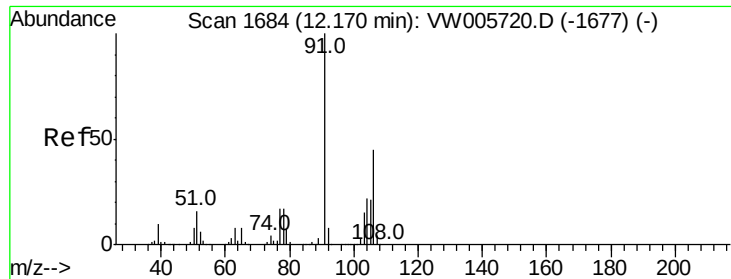
Tgt Ion: 106 Resp: 778728

Ion Ratio Lower Upper

106 100

91 209.6 147.7 274.3

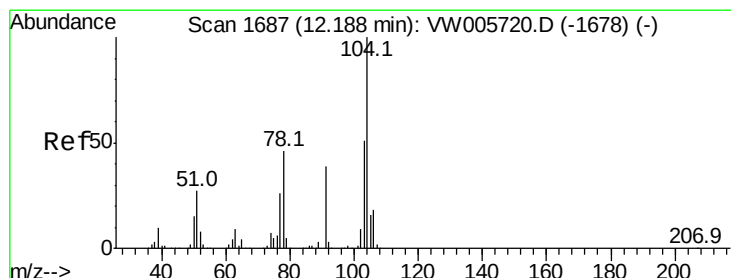
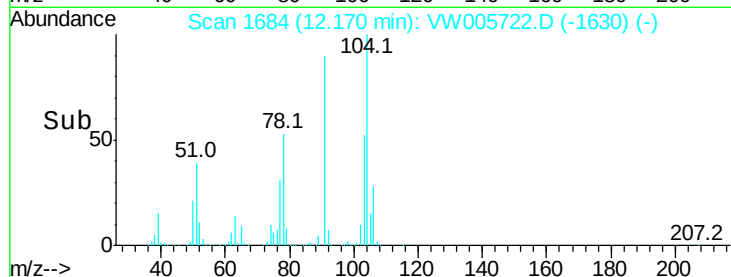
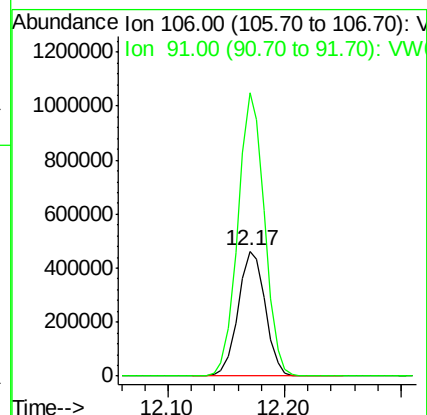
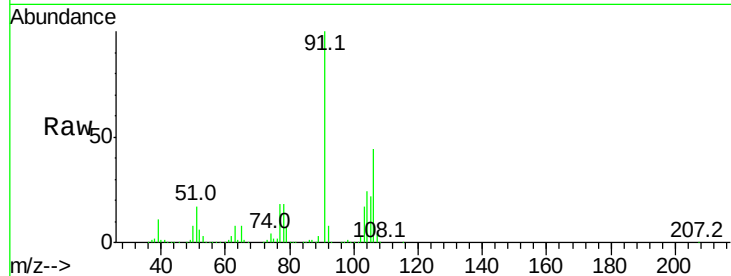




#55
o-xylene
Concen: 100.891 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005722.D
Acq: 28 Sep 2018 14:28

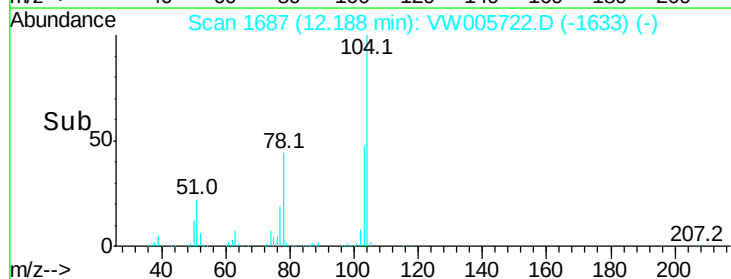
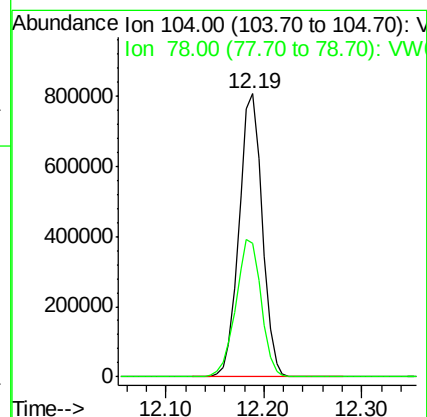
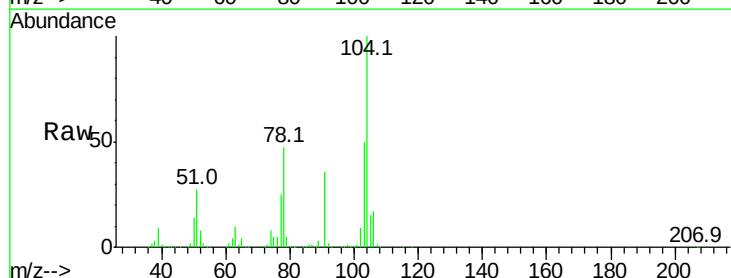
Instrument :
MSVOA_W
ClientSampleId :
VSTD10084

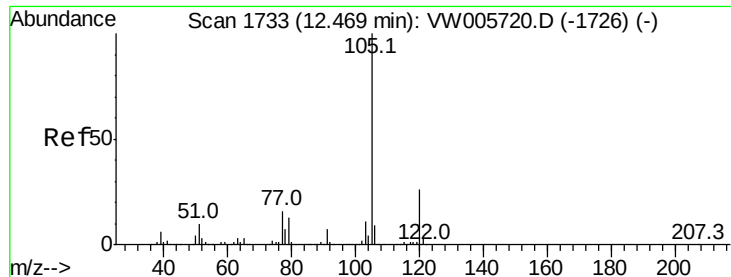
Tgt Ion:106 Resp: 750753
Ion Ratio Lower Upper
106 100
91 226.3 156.5 290.7



#56
Styrene
Concen: 103.400 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005722.D
Acq: 28 Sep 2018 14:28

Tgt Ion:104 Resp: 1323658
Ion Ratio Lower Upper
104 100
78 47.1 32.2 59.8





#57

Isopropylbenzene

Concen: 103.323 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

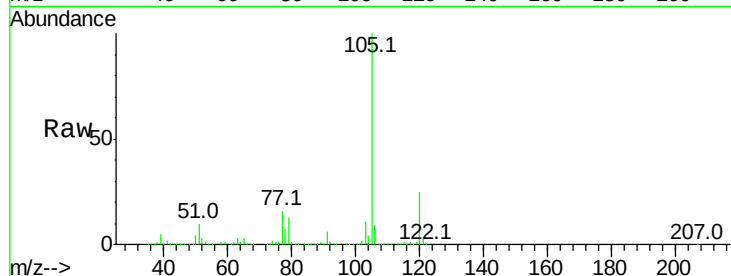
Tgt Ion:105 Resp: 2152143

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

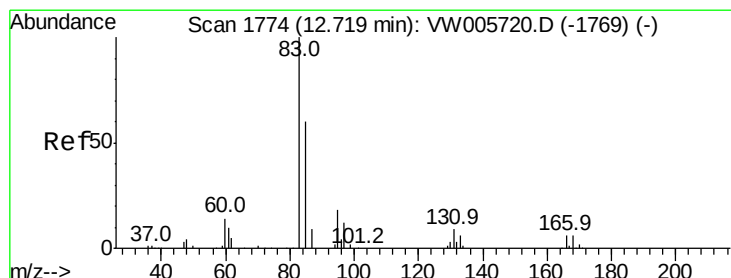
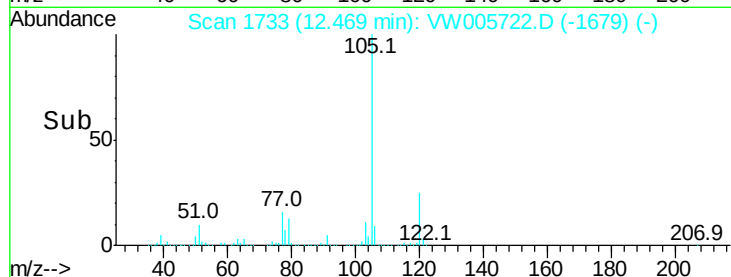
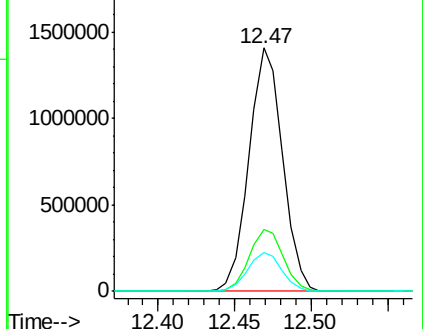
77 16.1 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 83.658 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

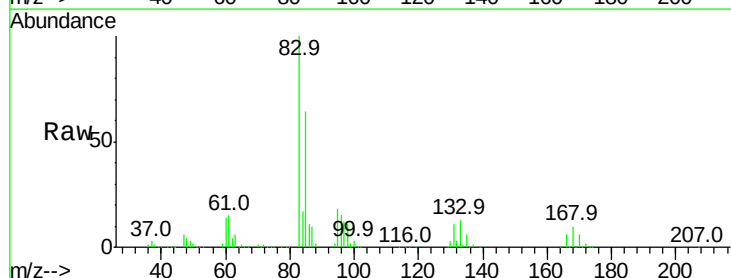
Tgt Ion: 83 Resp: 390419

Ion Ratio Lower Upper

83 100

85 64.4 43.0 80.0

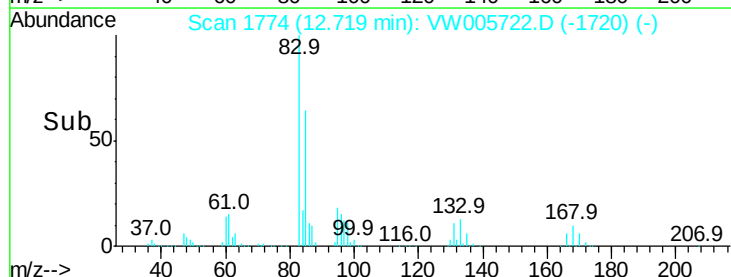
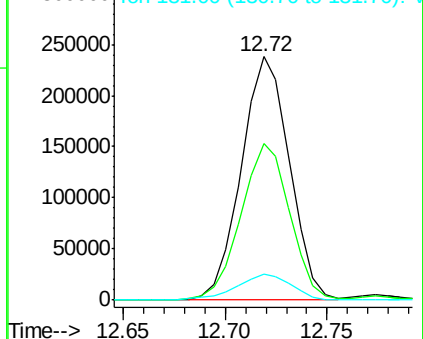
131 10.7 8.0 12.0

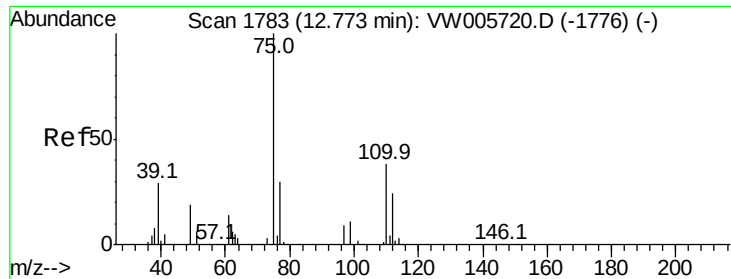


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

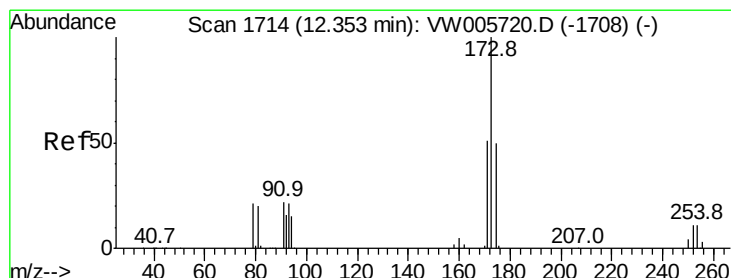
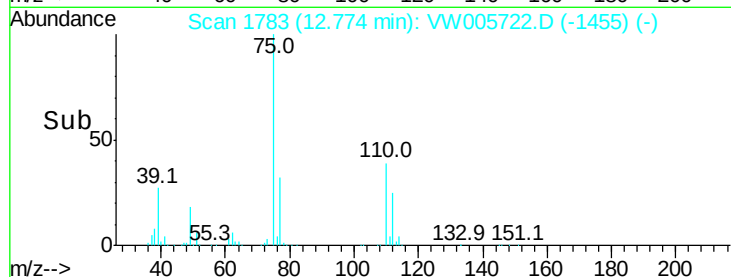
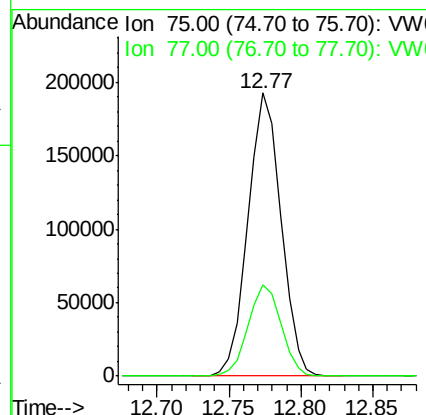
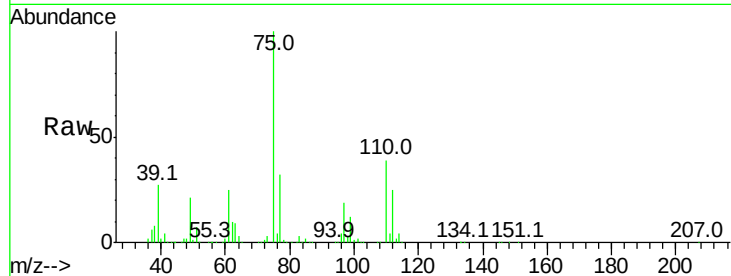




#59
 1,2,3-Trichloropropane
 Concen: 82.108 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

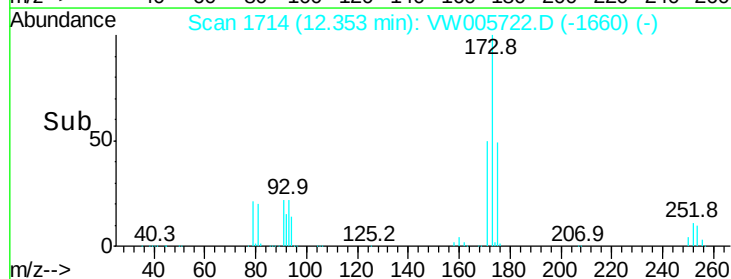
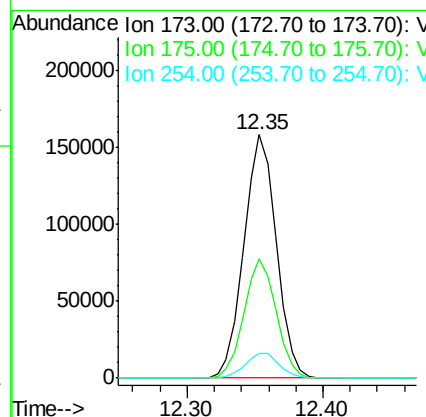
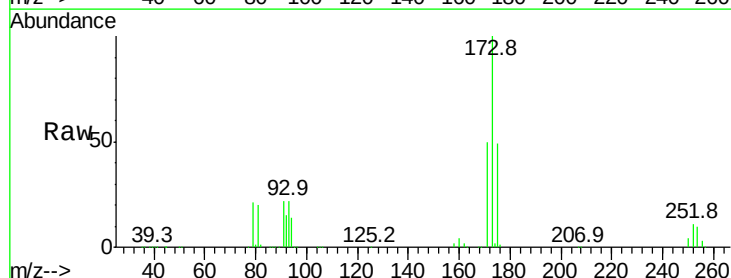
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10084

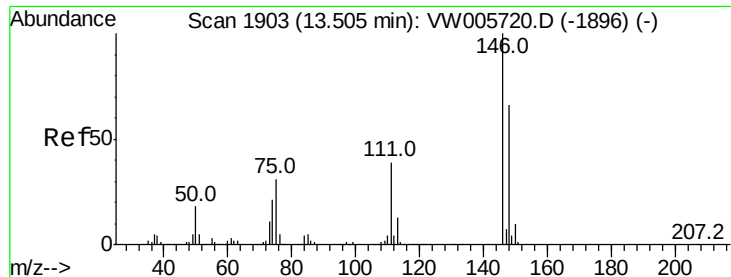
Tgt Ion: 75 Resp: 305629
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8



#62
 Bromoform
 Concen: 95.969 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion: 173 Resp: 263702
 Ion Ratio Lower Upper
 173 100
 175 48.6 40.0 60.0
 254 10.7 8.6 13.0

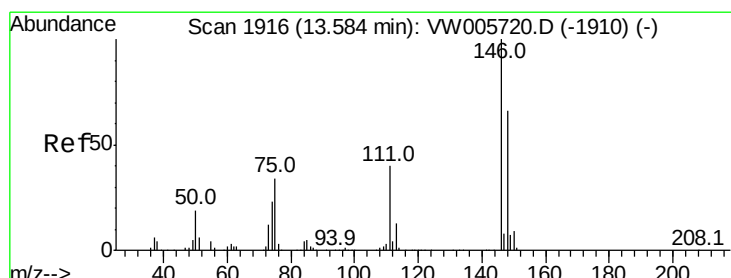
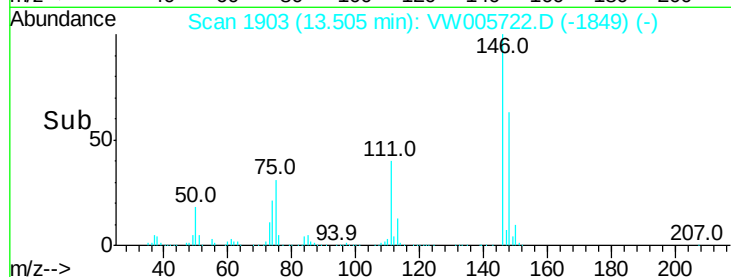
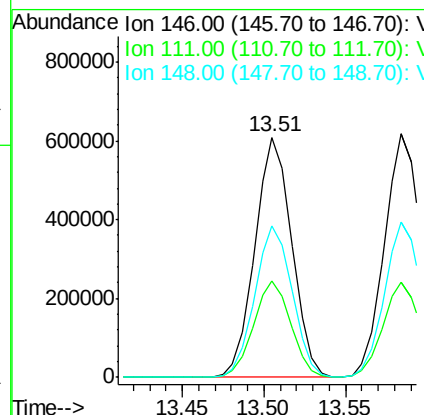
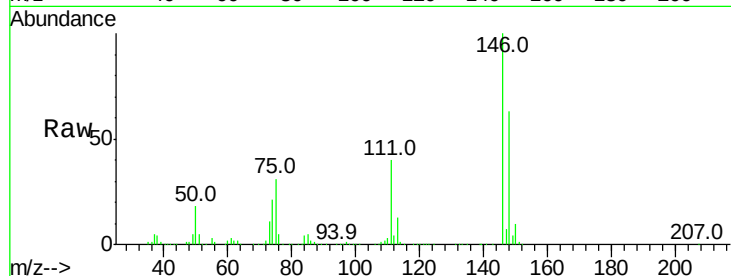




#63
 1,3-Dichlorobenzene
 Concen: 95.847 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

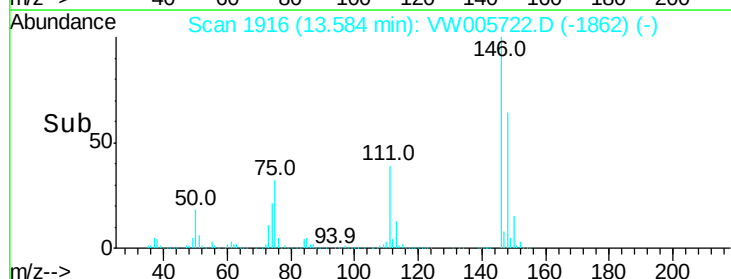
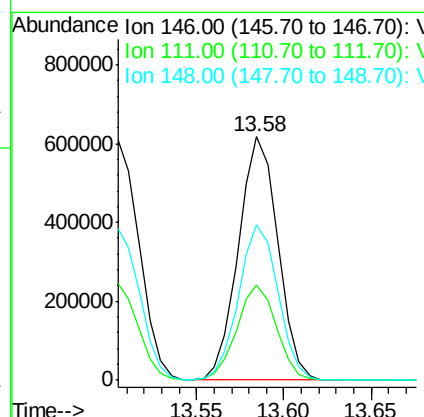
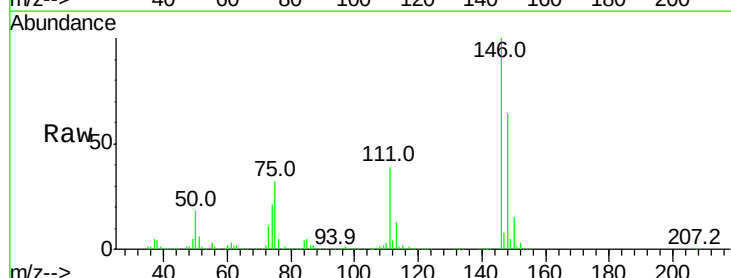
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10084

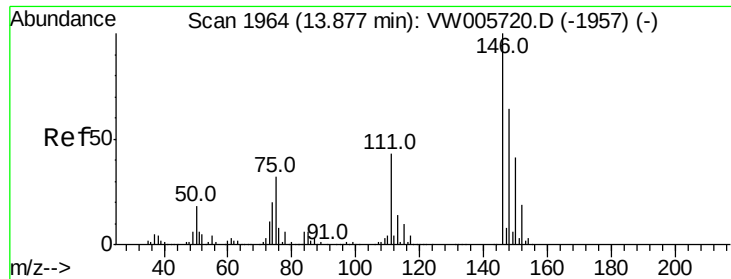
Tgt Ion:146 Resp: 960121
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.2 50.6
 148 63.4 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 94.415 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion:146 Resp: 971166
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.4 52.8
 148 63.9 46.3 86.1

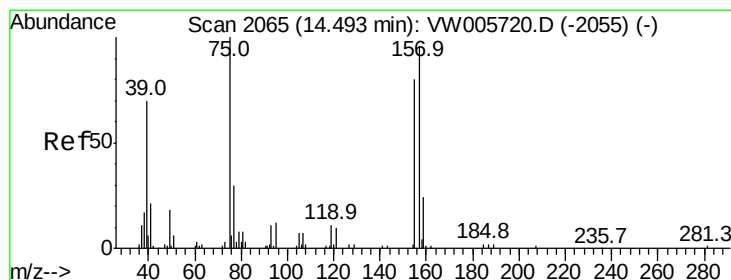
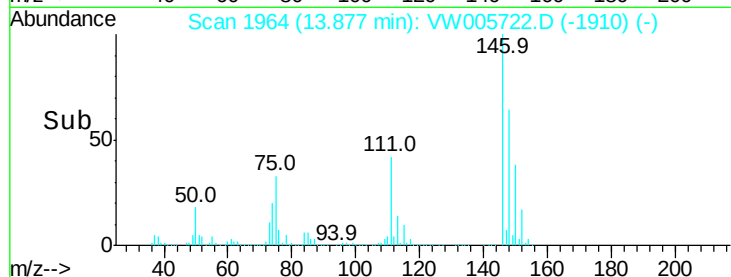
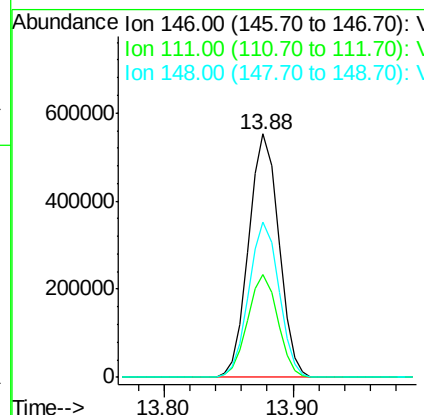
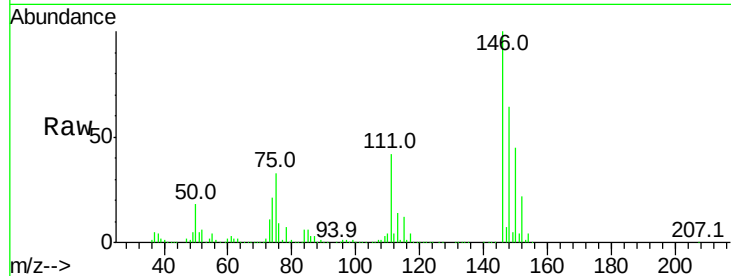




#65
 1,2-Dichlorobenzene
 Concen: 94.614 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

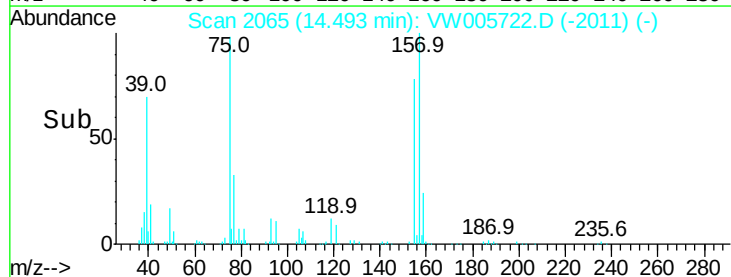
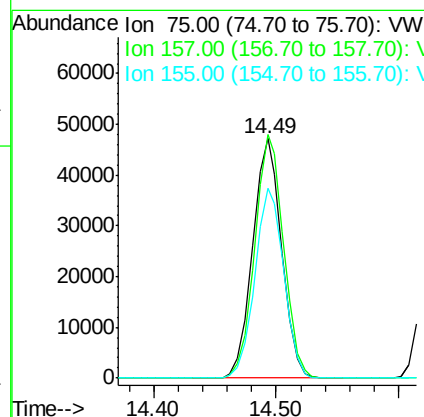
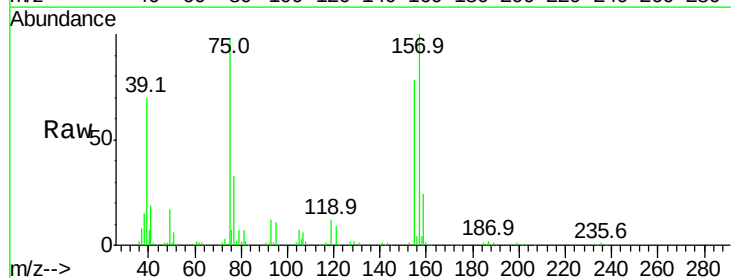
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10084

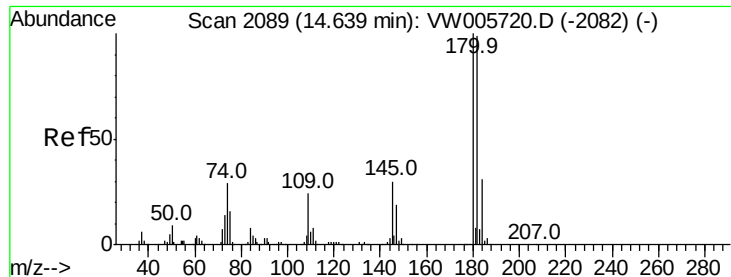
Tgt Ion:146 Resp: 891598
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.6 51.8
 148 64.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 79.162 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion: 75 Resp: 77389
 Ion Ratio Lower Upper
 75 100
 157 101.8 76.9 115.3
 155 79.2 64.2 96.2

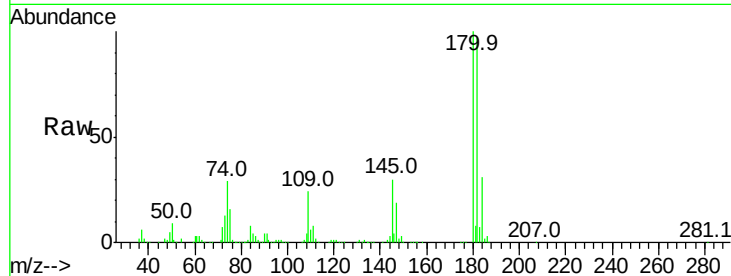




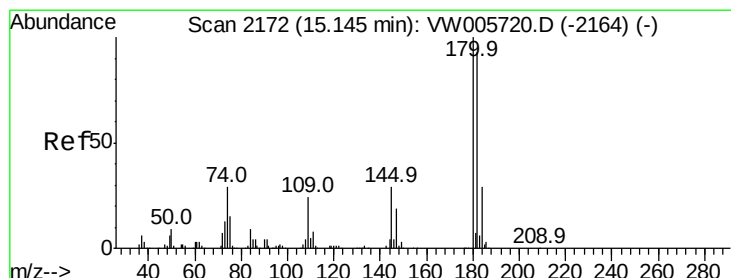
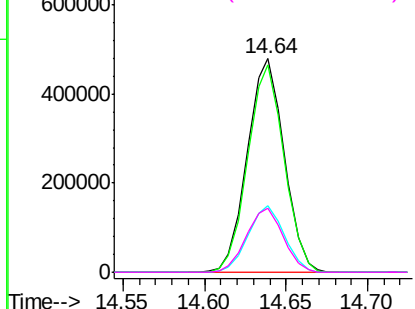
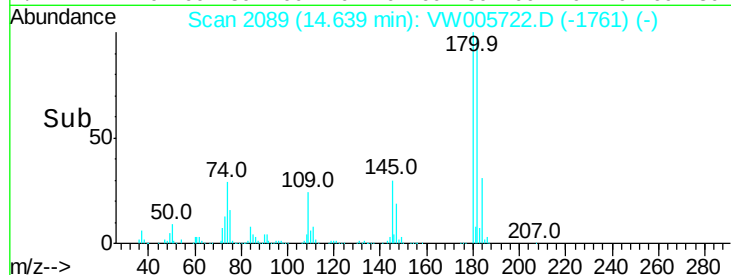
#67
 1,3,5-Trichlorobenzene
 Concen: 95.927 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10084

Tgt Ion:180 Resp: 752751
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.7 116.5
 184 30.7 24.6 37.0
 145 30.1 23.8 35.6

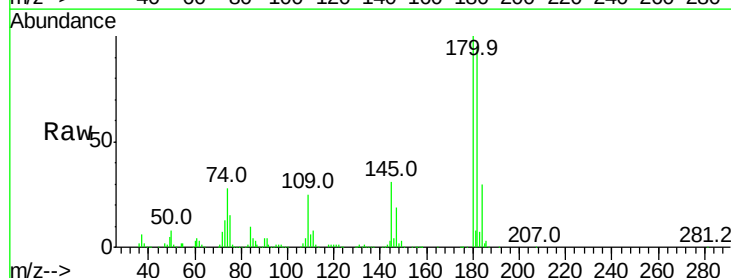


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

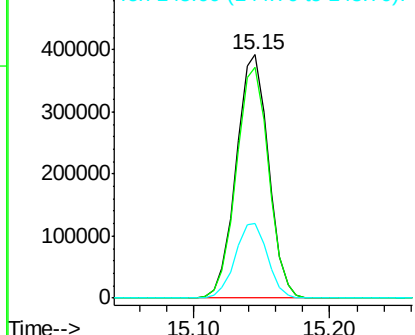
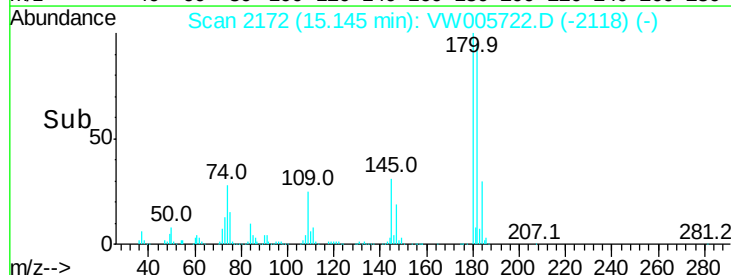


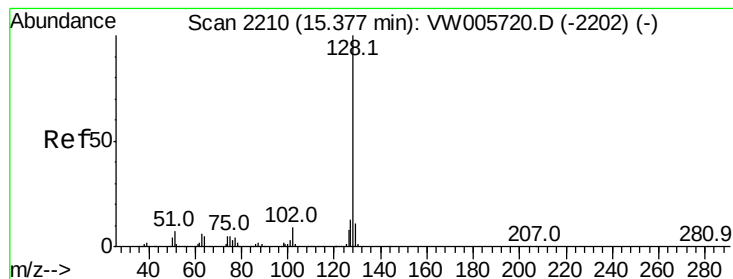
#68
 1,2,4-trichlorobenzene
 Concen: 100.942 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005722.D
 Acq: 28 Sep 2018 14:28

Tgt Ion:180 Resp: 649689
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.6
 145 30.7 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: 96.773 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10084

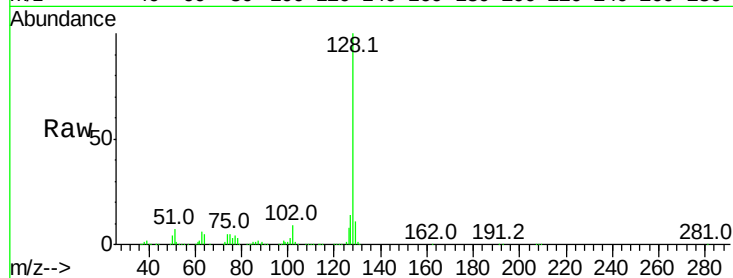
Tgt Ion:128 Resp: 1322119

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

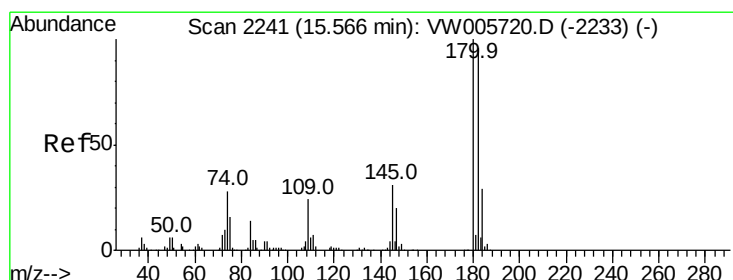
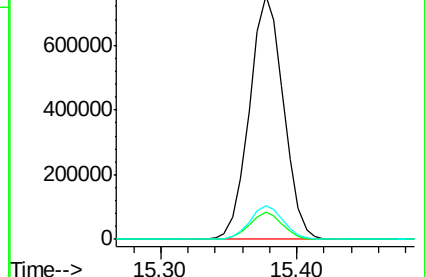
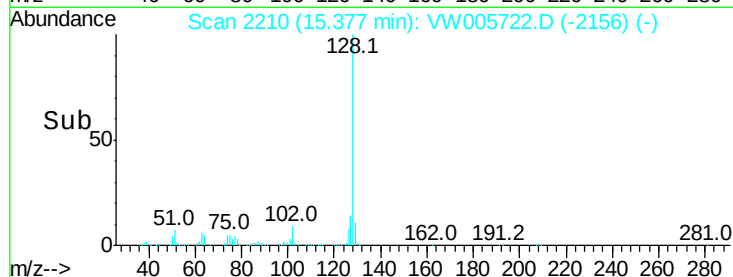
127 13.6 11.0 16.4



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: 96.797 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005722.D

Acq: 28 Sep 2018 14:28

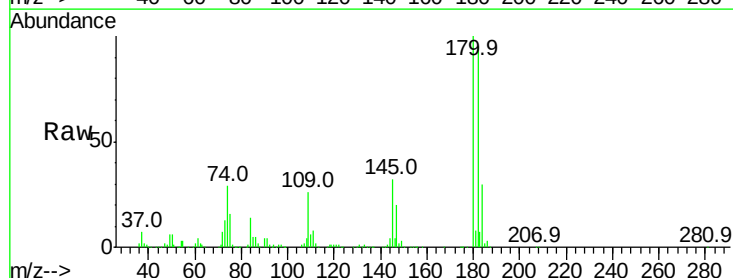
Tgt Ion:180 Resp: 588322

Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

145 32.3 25.5 38.3



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

