

Data File : VW009973.D
Acq On : 15 Apr 2019 15:18
Operator : SY/VA
Sample : VSTD00504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Apr 15 16:12:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 16:09:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	622996	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	598615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	281425	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	26679	3.27	ug/L	0.00
7) Chloroethane-d5	2.60	69	138	0.02	ug/L	-0.29
10) 1,1-Dichloroethene-d2	4.02	63	76900	4.39	ug/L	0.00
20) 2-Butanone-d5	7.08	46	27943	10.56	ug/L	0.00
24) Chloroform-d	7.65	84	91040	5.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	57460	5.51	ug/L	0.00
29) Benzene-d6	8.27	84	167225	5.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	53943	5.56	ug/L	0.00
37) Toluene-d8	10.32	98	149441	5.14	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	23446	5.06	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	18240	9.97	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	48898	5.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	53819	5.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	44402	5.411 ug/L	87
3) Chloromethane	2.22	50	36805	4.340 ug/L	99
5) Vinyl chloride	2.37	62	34485	3.170 ug/L	94
6) Bromomethane	2.78	94	26349	3.500 ug/L	99
8) Chloroethane	2.92	64	26414	3.699 ug/L	98
9) Trichlorofluoromethane	3.26	101	29935	4.486 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	38711	4.460 ug/L	98
12) 1,1-Dichloroethene	4.04	96	35604	4.303 ug/L	91
13) Acetone	4.12	43	26470	9.333 ug/L	98
14) Carbon disulfide	4.38	76	95248	3.703 ug/L #	93
16) Methylene chloride	4.92	84	63595	5.788 ug/L	93
17) Methyl tert-butyl Ether	5.42	73	51232	4.494 ug/L #	71
18) trans-1,2-Dichloroethene	5.41	96	41092	4.775 ug/L	93
19) 1,1-Dichloroethane	6.21	63	82979	5.025 ug/L	98
21) 2-Butanone	7.18	43	32854	9.109 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	42740	4.644 ug/L	97
23) Bromochloromethane	7.51	128	21393	5.066 ug/L	88
25) Chloroform	7.67	83	86774	5.016 ug/L	100
27) 1,2-Dichloroethane	8.40	62	66955	5.117 ug/L	98
30) Cyclohexane	7.95	56	57049	4.038 ug/L #	91
31) 1,1,1-Trichloroethane	7.87	97	62377	4.593 ug/L	99
32) Carbon tetrachloride	8.06	117	60979	4.479 ug/L	99
34) Benzene	8.32	78	175080	4.861 ug/L	100
35) Trichloroethene	9.09	95	44721	4.745 ug/L	98
36) Methylcyclohexane	9.34	83	68688	4.433 ug/L	97
40) 1,2-Dichloropropane	9.37	63	46808	5.077 ug/L	97
41) Bromodichloromethane	9.64	83	62856	4.941 ug/L #	98
42) cis-1,3-Dichloropropene	10.07	75	64089	4.487 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	66632	9.304 ug/L	98
44) Toluene	10.38	91	182910	4.794 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Mon Apr 15 16:09:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	58248	4.730	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	35755	5.167	ug/L	90
47) Tetrachloroethene	10.87	164	36796	4.957	ug/L	89
49) 2-Hexanone	10.97	43	46762	8.769	ug/L	98
50) Dibromochloromethane	11.13	129	41592	4.892	ug/L	97
51) 1,2-Dibromoethane	11.24	107	34186	4.929	ug/L #	99
52) Chlorobenzene	11.66	112	122076	4.971	ug/L	95
53) Ethylbenzene	11.73	91	195570	4.500	ug/L	100
54) m,p-Xylene	11.84	106	71480	4.447	ug/L	89
55) o-xylene	12.17	106	68387	4.467	ug/L	95
56) Styrene	12.18	104	119531	4.500	ug/L	100
57) Isopropylbenzene	12.46	105	178710	4.263	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	46599	5.008	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	34443	4.972	ug/L	99
62) Bromoform	12.35	173	22866	4.621	ug/L	94
63) 1,3-Dichlorobenzene	13.50	146	82921	4.763	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	92928	5.006	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	82608	4.960	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	8360	5.157	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	61477	4.759	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	48099	4.637	ug/L	97
69) Naphthalene	15.37	128	88305	4.235	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	46113	4.752	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

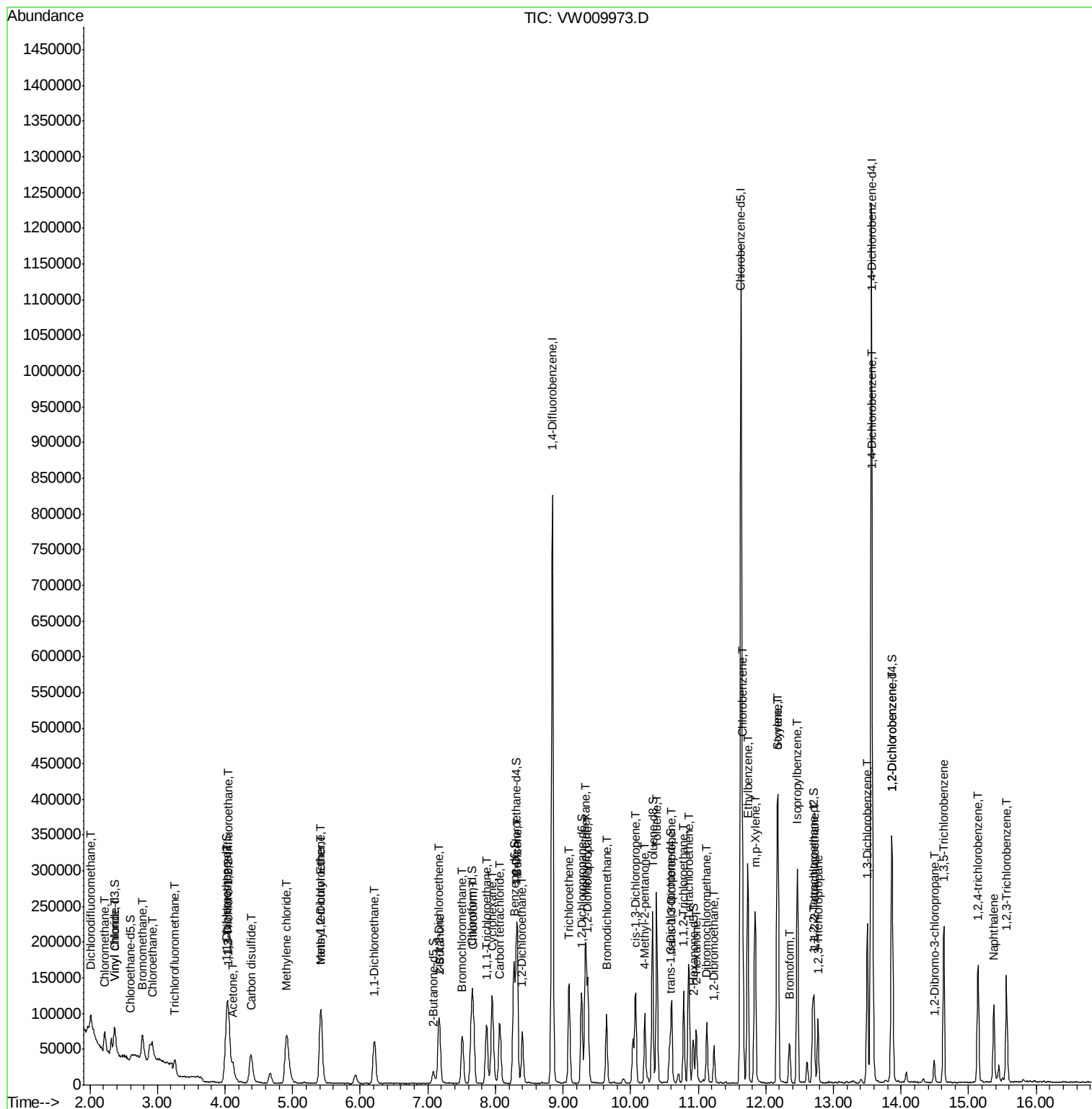
Quant Time: Apr 15 16:12:57 2019

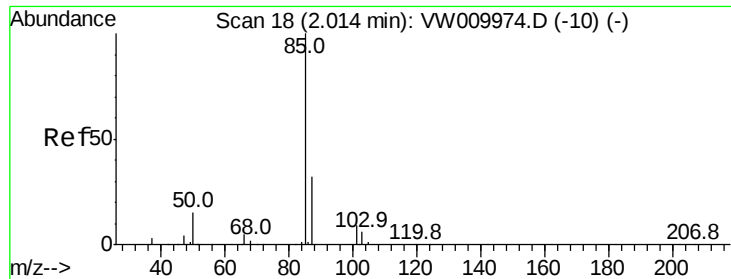
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 15 16:09:03 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.411 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

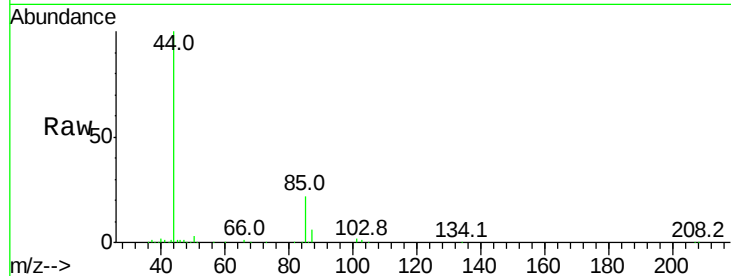
VSTD00504

Tgt Ion: 85 Resp: 44402

Ion Ratio Lower Upper

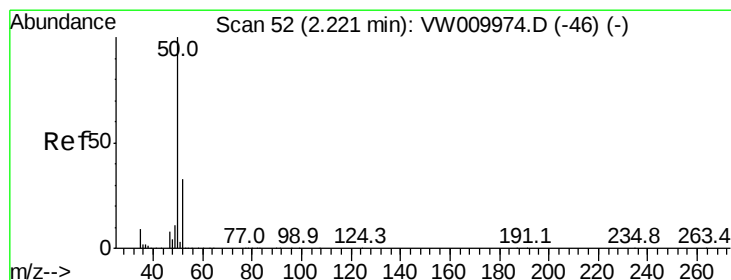
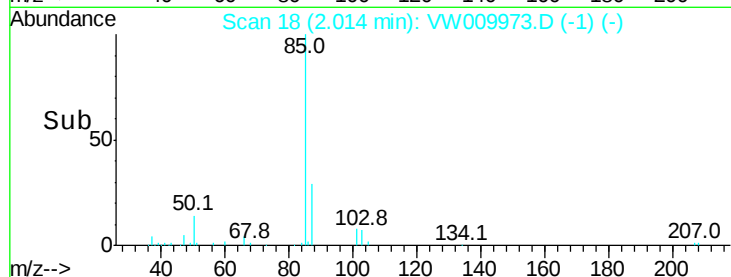
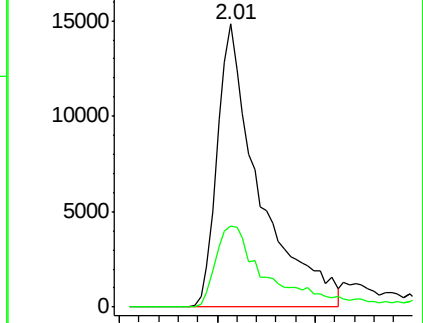
85 100

87 24.8 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.340 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009973.D

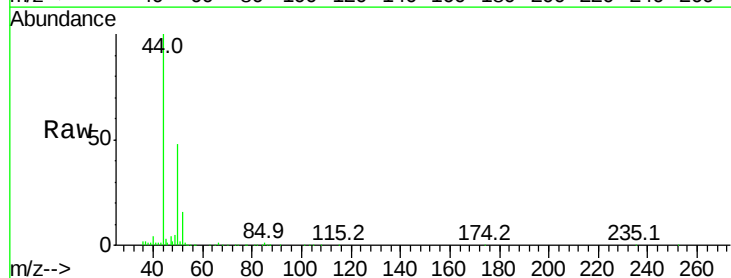
Acq: 15 Apr 2019 15:18

Tgt Ion: 50 Resp: 36805

Ion Ratio Lower Upper

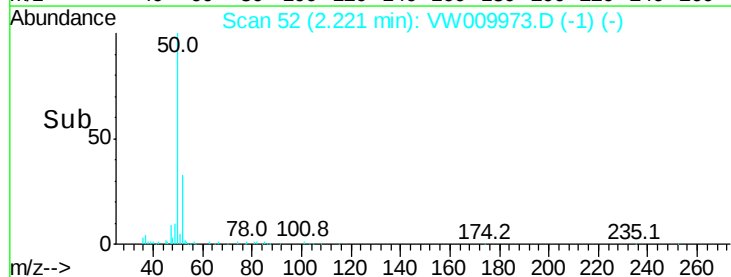
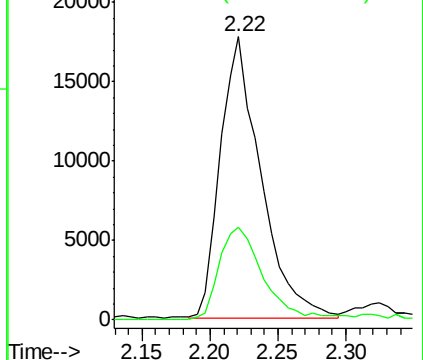
50 100

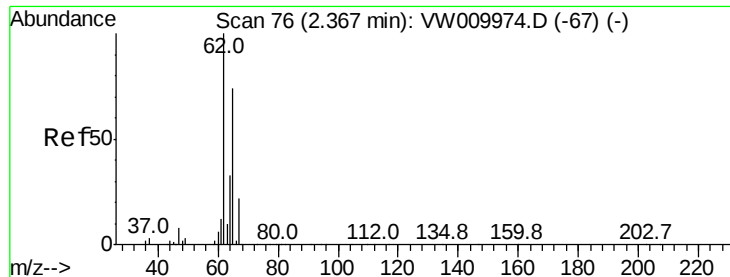
52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 3.170 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

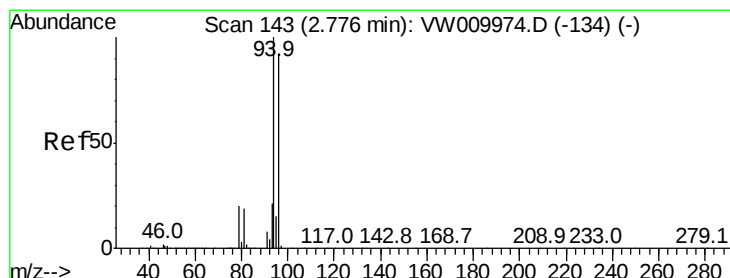
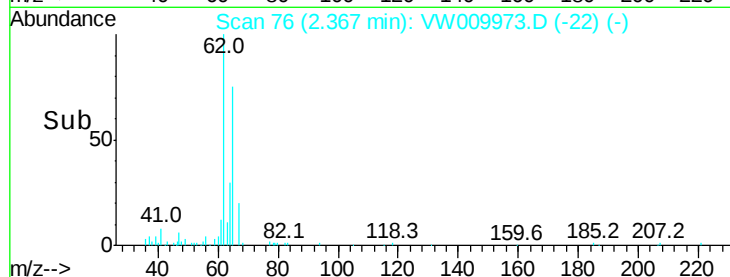
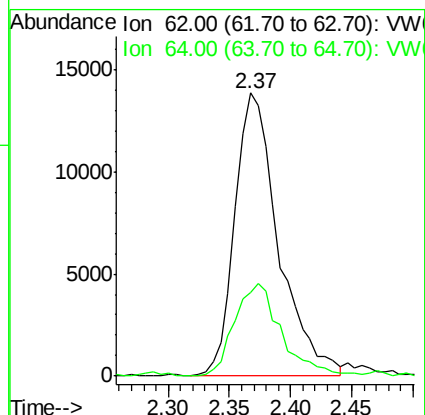
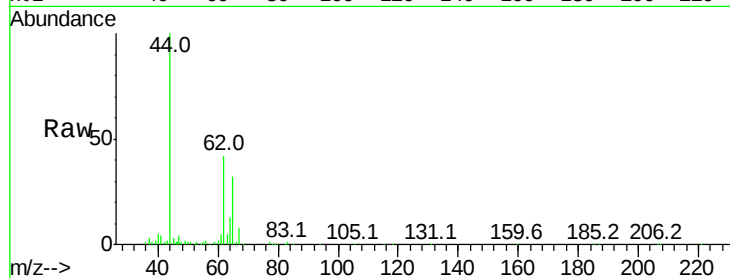
VSTD00504

Tgt Ion: 62 Resp: 34485

Ion Ratio Lower Upper

62 100

64 29.7 23.3 43.3



#6

Bromomethane

Concen: 3.500 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009973.D

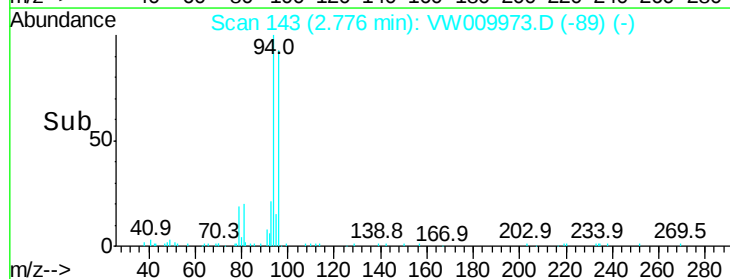
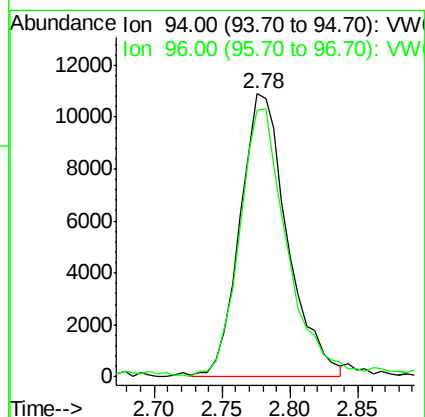
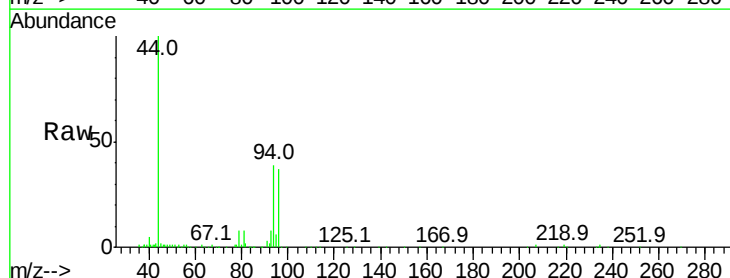
Acq: 15 Apr 2019 15:18

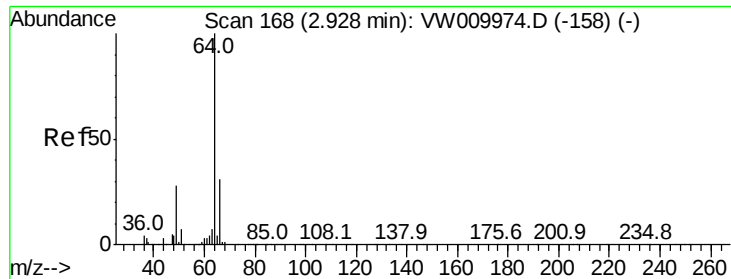
Tgt Ion: 94 Resp: 26349

Ion Ratio Lower Upper

94 100

96 96.0 9.5 180.3

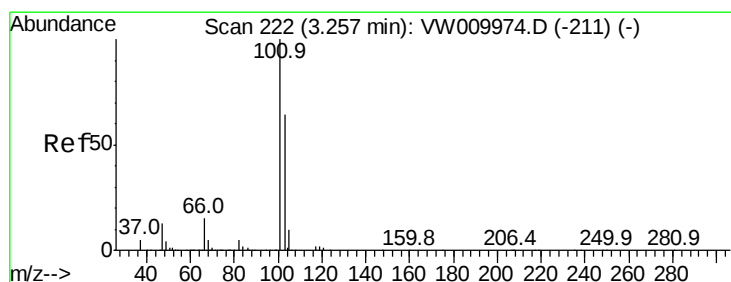
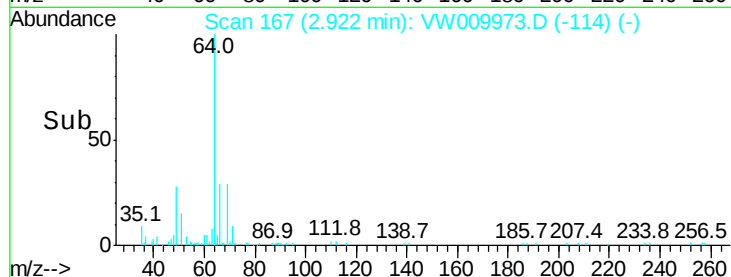
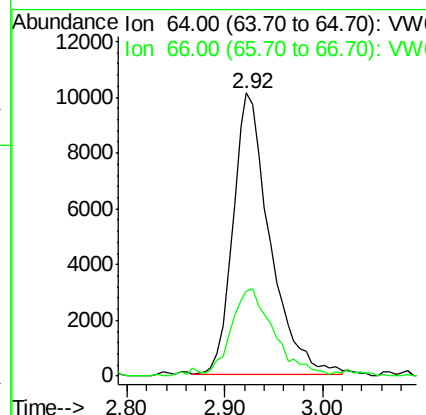
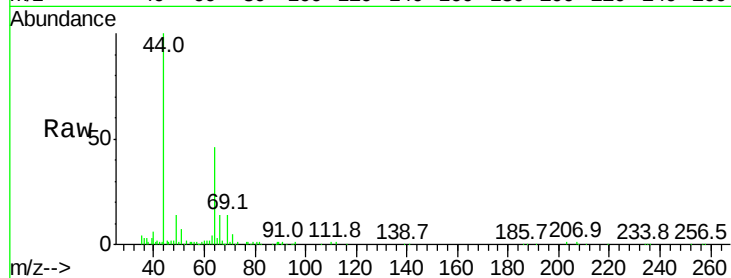




#8
Chloroethane
Concen: 3.699 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

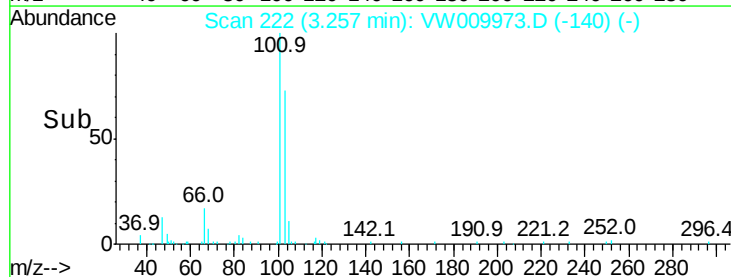
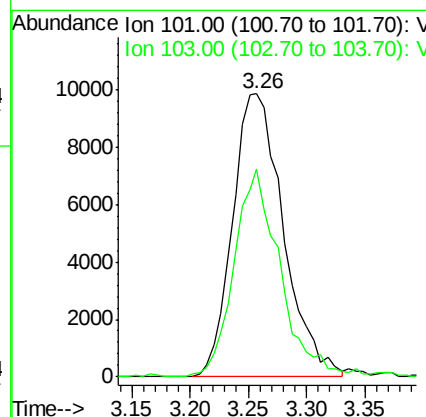
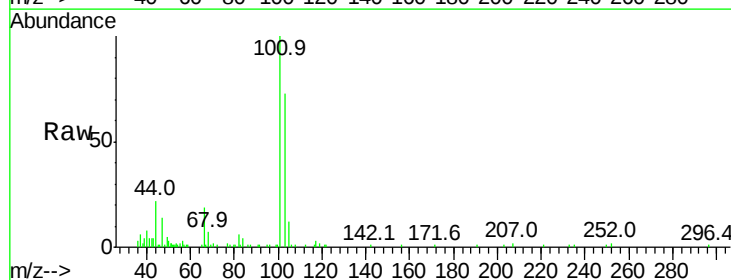
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

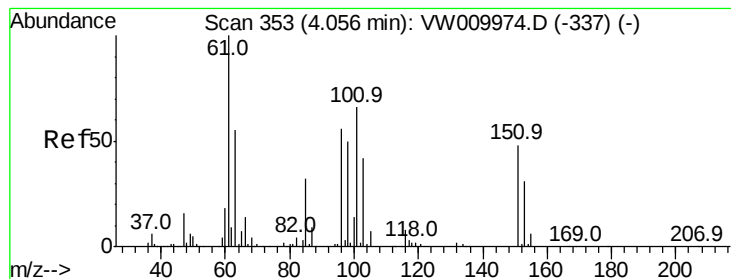
Tgt Ion: 64 Resp: 26414
Ion Ratio Lower Upper
64 100
66 30.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 4.486 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

Tgt Ion: 101 Resp: 29935
Ion Ratio Lower Upper
101 100
103 63.8 44.5 82.7





#11

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

Concen: 4.460 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

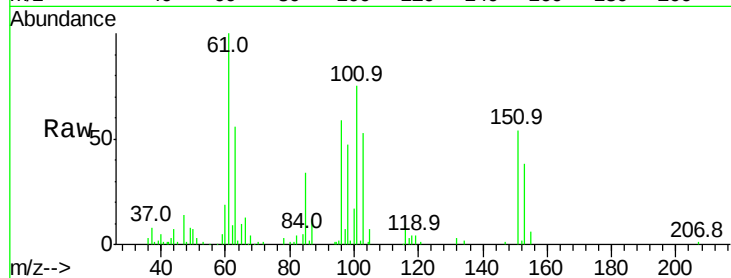
Tgt Ion:101 Resp: 38711

Ion Ratio Lower Upper

101 100

85 46.8 37.0 55.4

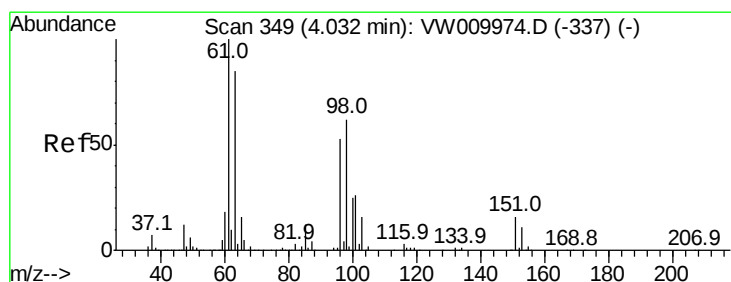
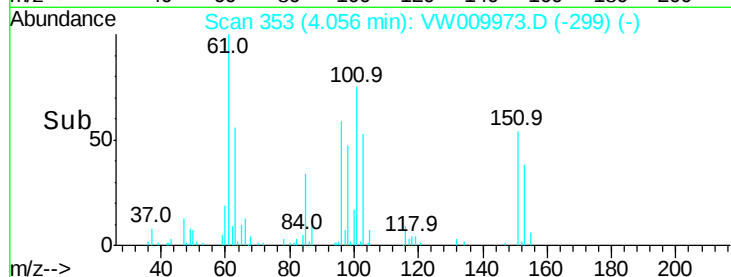
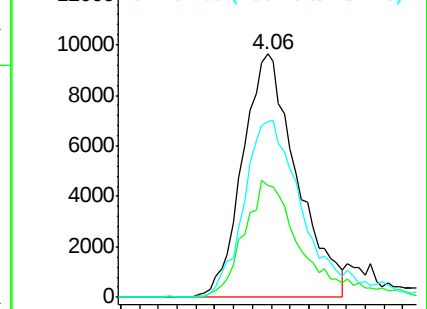
151 75.5 58.2 87.2



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: 4.303 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

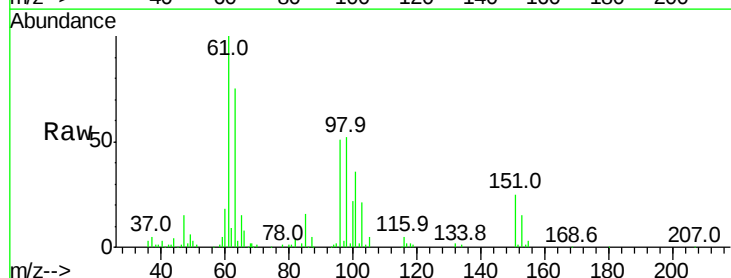
Tgt Ion: 96 Resp: 35604

Ion Ratio Lower Upper

96 100

61 198.0 131.2 243.6

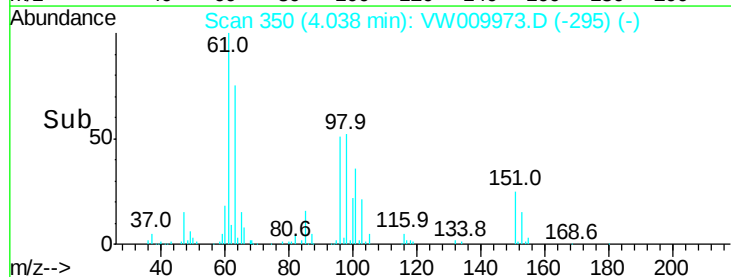
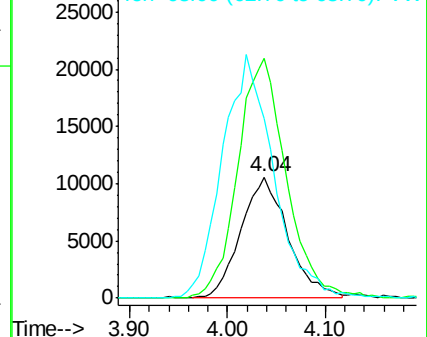
63 148.7 113.9 211.5

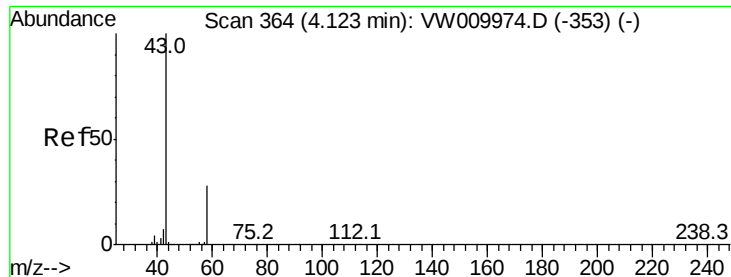


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.333 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

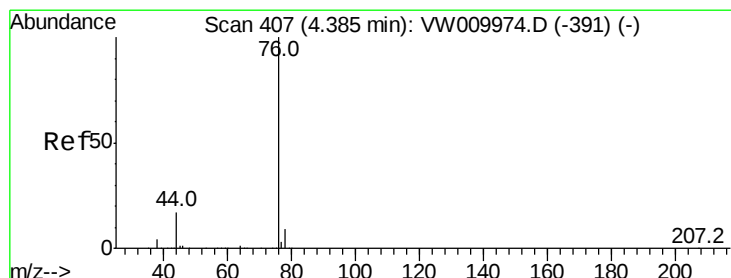
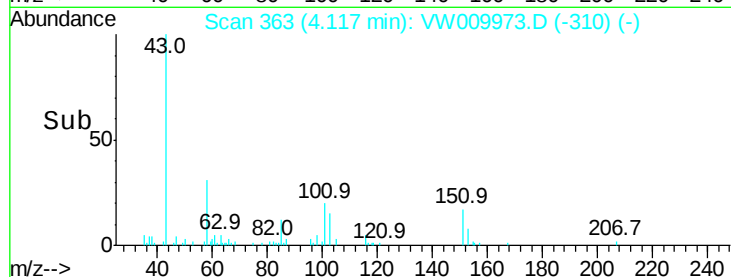
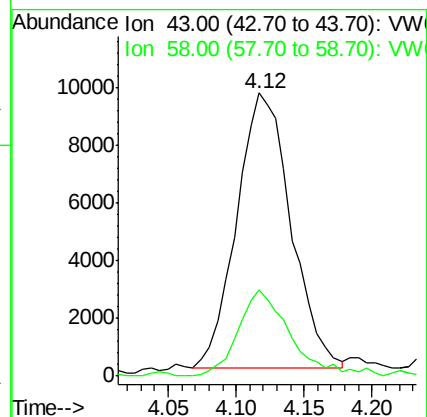
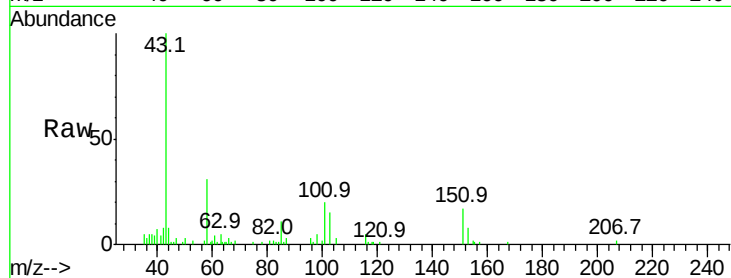
VSTD00504

Tgt Ion: 43 Resp: 26470

Ion Ratio Lower Upper

43 100

58 29.3 0.0 56.2



#14

Carbon disulfide

Concen: 3.703 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW009973.D

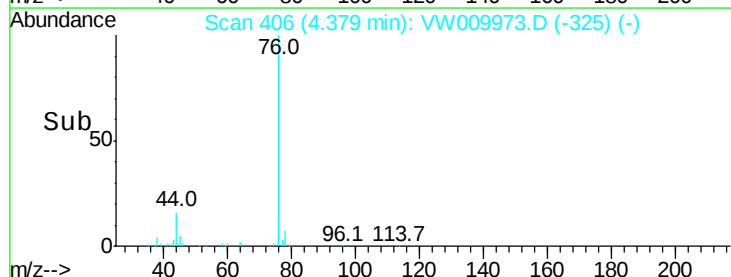
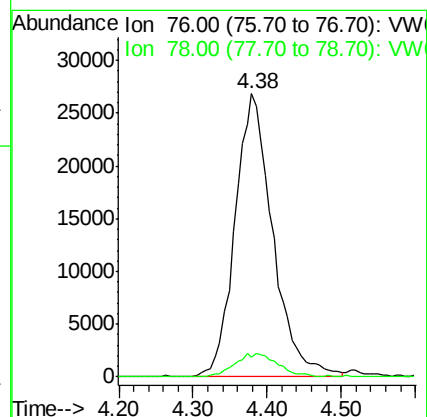
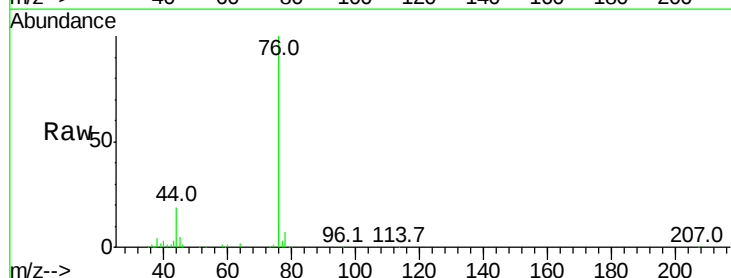
Acq: 15 Apr 2019 15:18

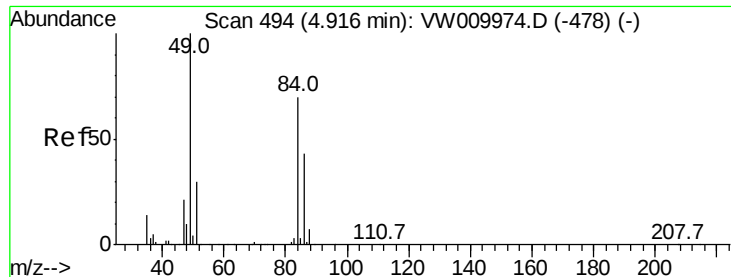
Tgt Ion: 76 Resp: 95248

Ion Ratio Lower Upper

76 100

78 7.0 7.5 11.3#

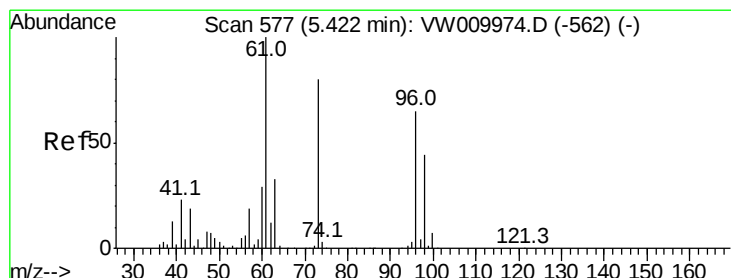
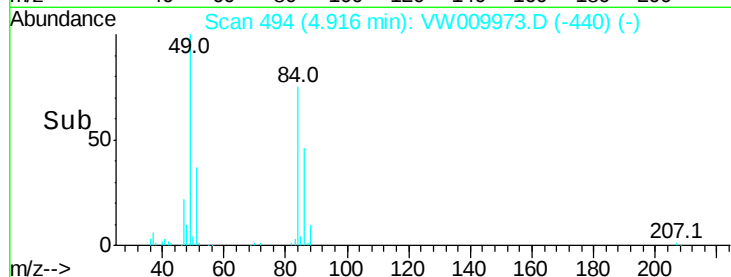
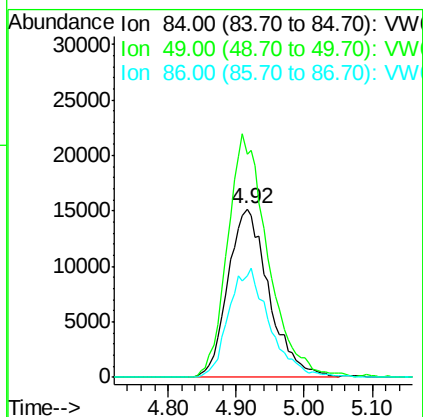
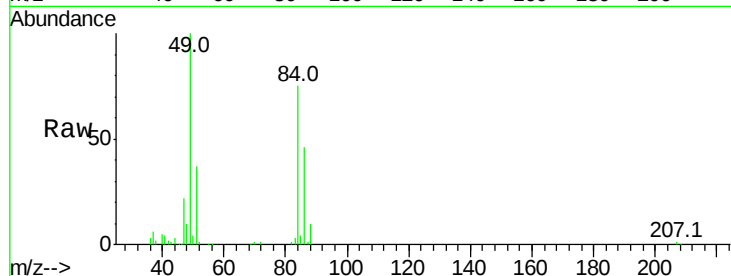




#16
Methylene chloride
Concen: 5.788 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

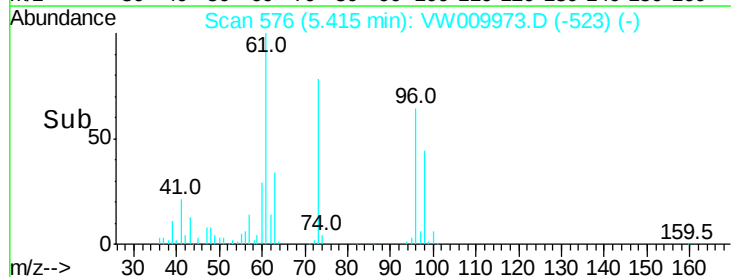
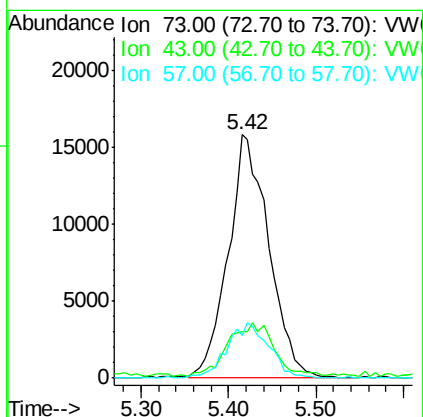
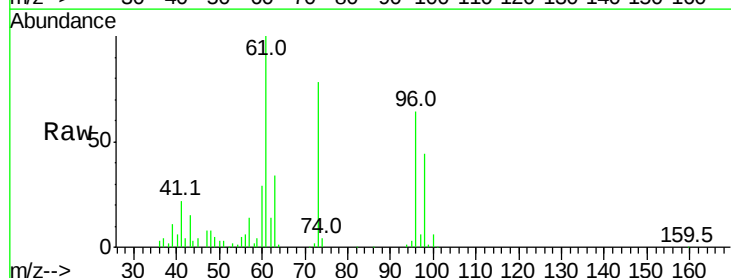
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

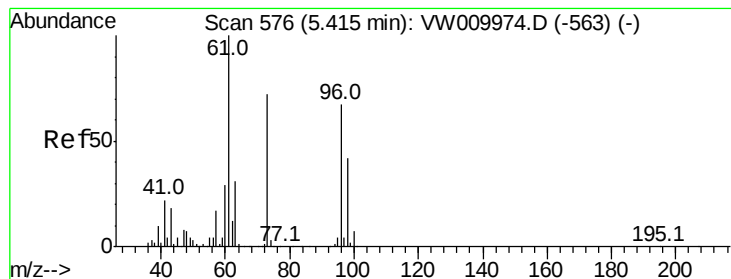
Tgt Ion: 84 Resp: 63595
Ion Ratio Lower Upper
84 100
49 132.5 100.7 187.1
86 60.6 43.8 81.3



#17
Methyl tert-butyl Ether
Concen: 4.494 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

Tgt Ion: 73 Resp: 51232
Ion Ratio Lower Upper
73 100
43 9.3 19.4 29.0#
57 9.9 18.6 28.0#





#18

trans-1,2-Dichloroethene

Concen: 4.775 ug/L

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

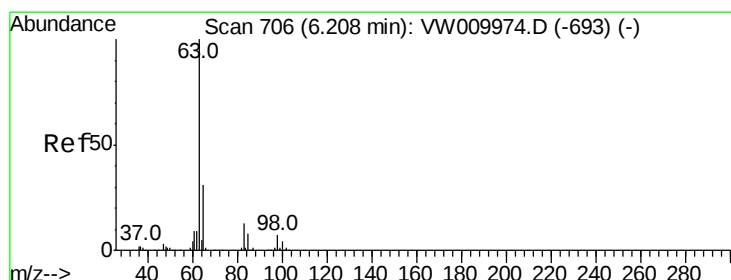
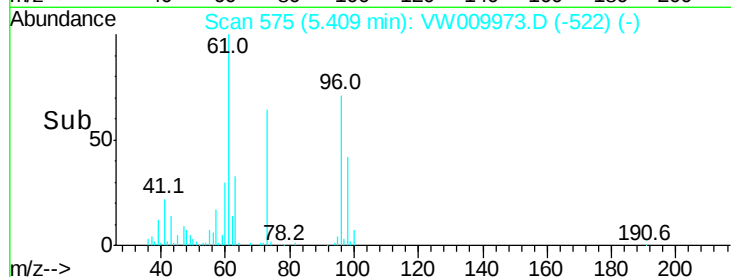
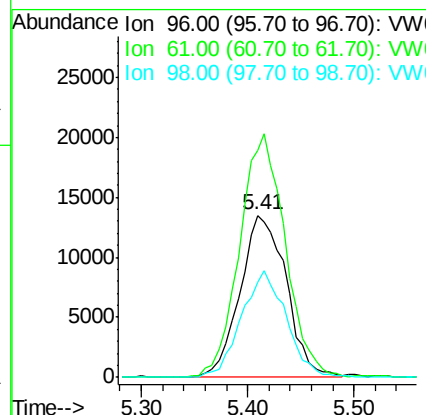
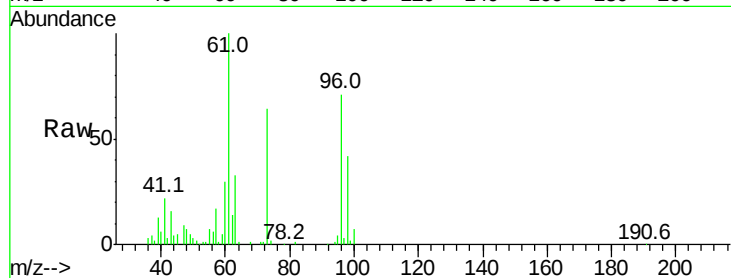
Tgt Ion: 96 Resp: 41092

Ion Ratio Lower Upper

96 100

61 140.3 104.9 194.9

98 59.1 44.1 81.9



#19

1,1-Dichloroethane

Concen: 5.025 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

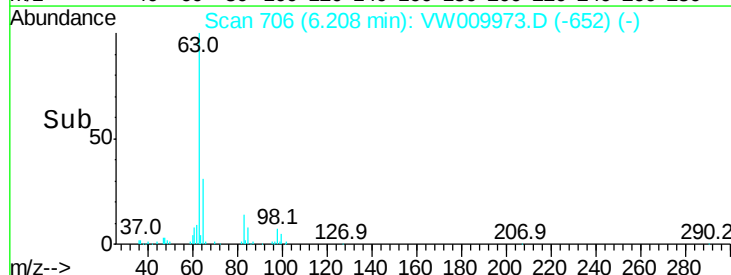
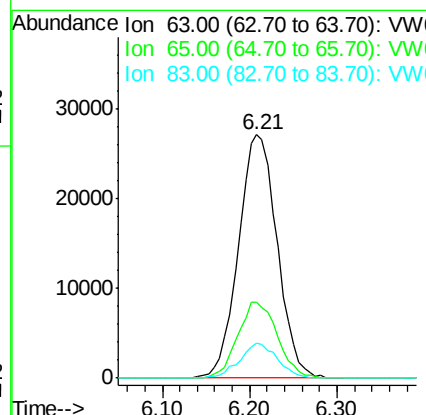
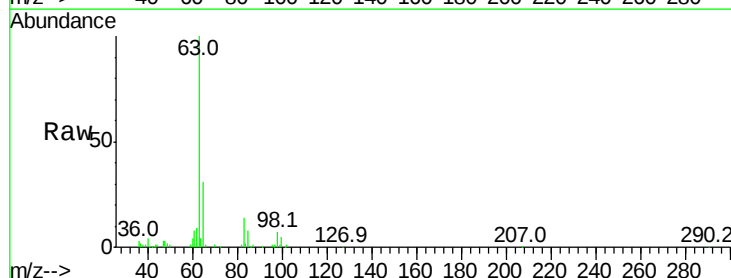
Tgt Ion: 63 Resp: 82979

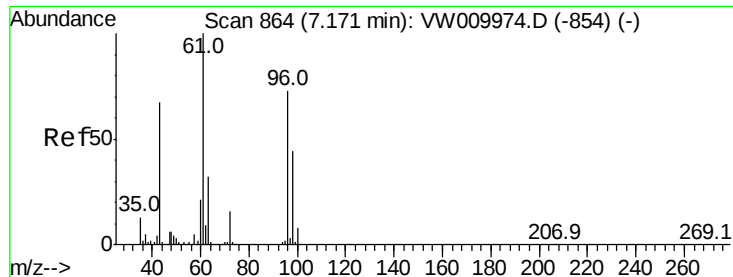
Ion Ratio Lower Upper

63 100

65 31.3 21.6 40.0

83 14.3 9.0 16.6





#21

2-Butanone

Concen: 9.109 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

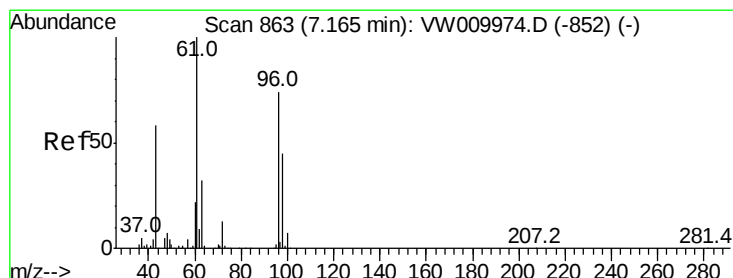
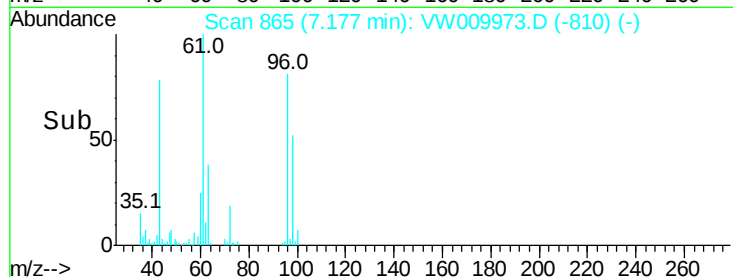
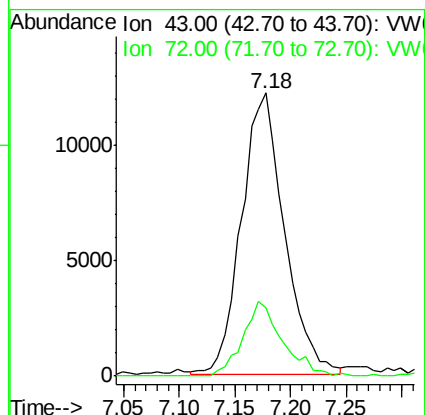
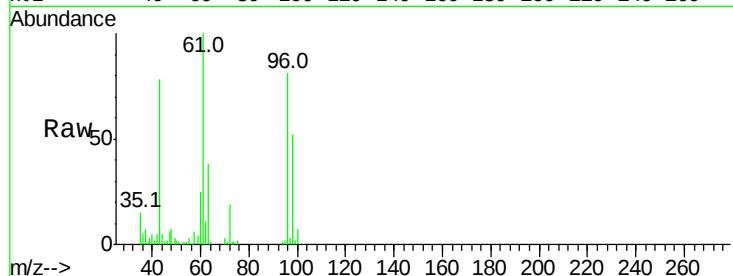
VSTD00504

Tgt Ion: 43 Resp: 32854

Ion Ratio Lower Upper

43 100

72 22.5 11.9 35.7



#22

cis-1,2-Dichloroethene

Concen: 4.644 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

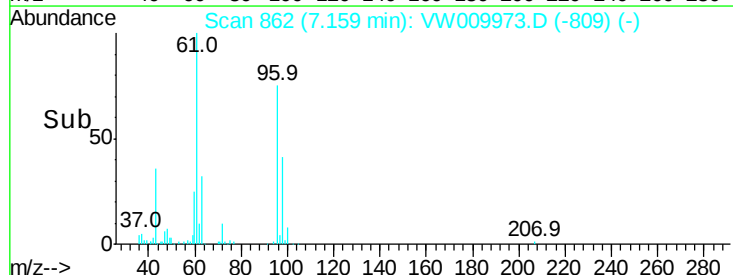
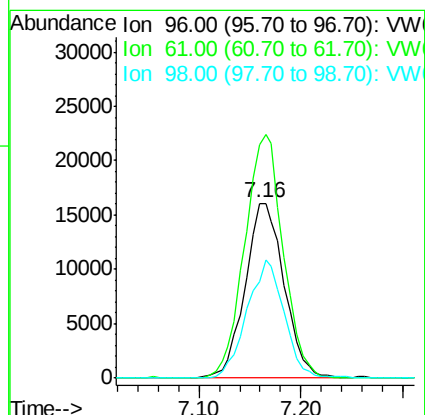
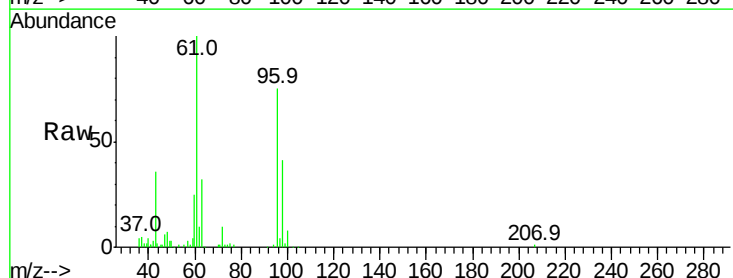
Tgt Ion: 96 Resp: 42740

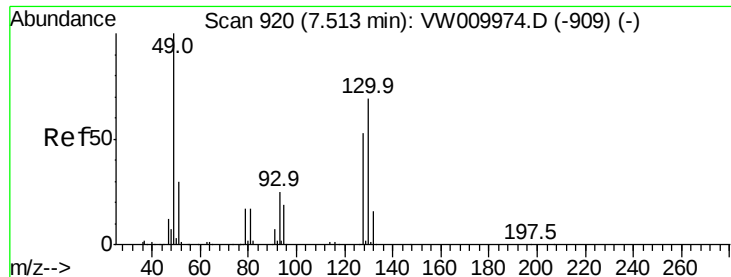
Ion Ratio Lower Upper

96 100

61 134.0 94.7 175.9

98 55.3 42.8 79.6

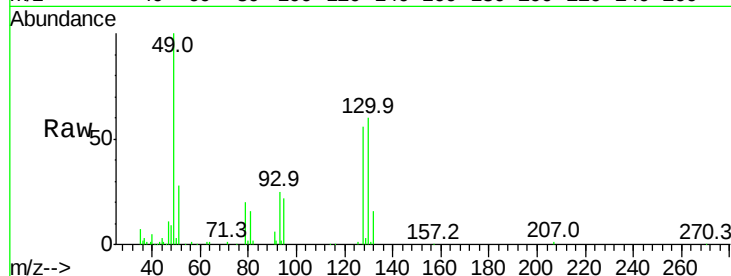




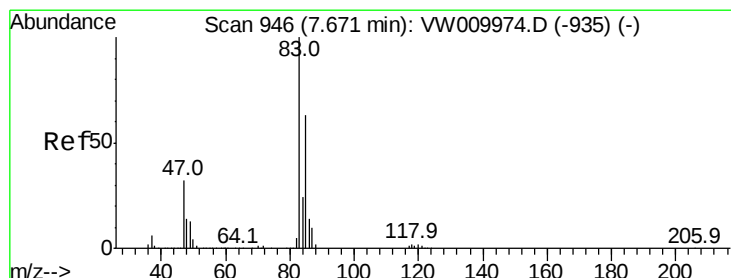
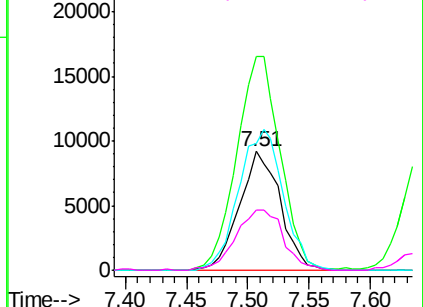
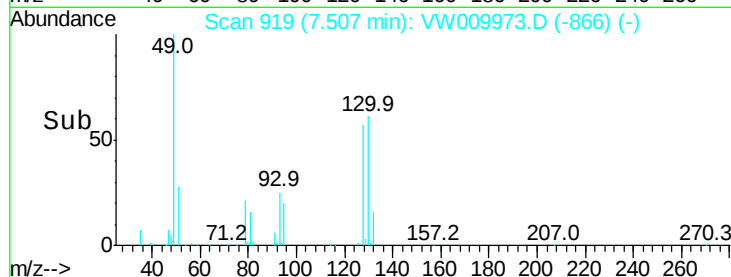
#23
Bromochloromethane
Concen: 5.066 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Tgt Ion:128 Resp: 21393
Ion Ratio Lower Upper
128 100
49 179.3 132.2 245.4
130 106.8 91.5 169.9
51 50.5 45.4 68.0

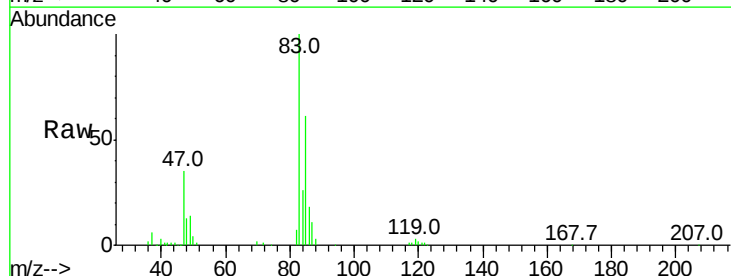


Abundance Ion 128.00 (127.70 to 128.70): V

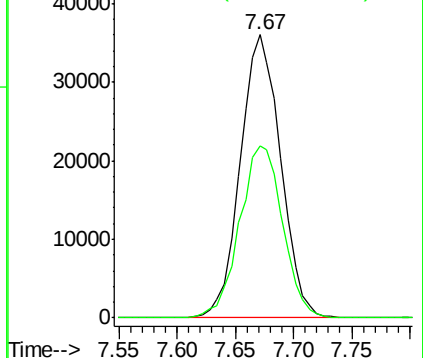
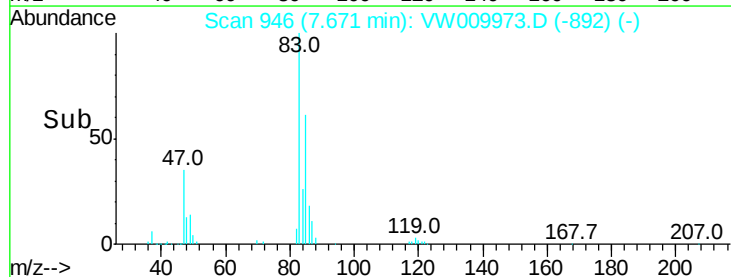


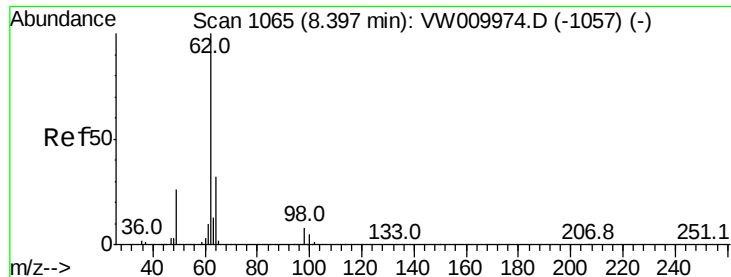
#25
Chloroform
Concen: 5.016 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

Tgt Ion: 83 Resp: 86774
Ion Ratio Lower Upper
83 100
85 64.8 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VW





#27

1,2-Dichloroethane

Concen: 5.117 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

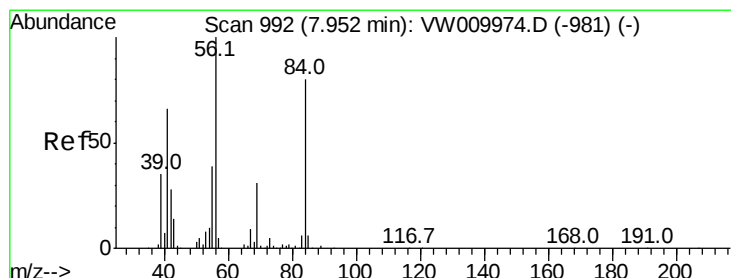
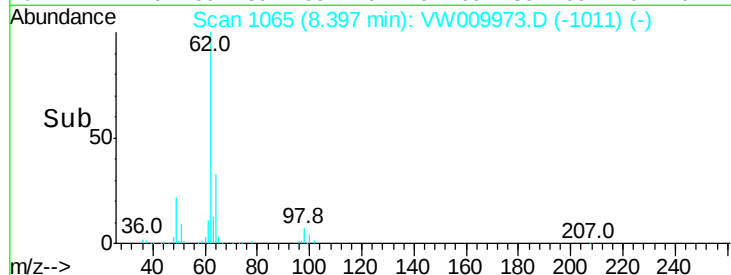
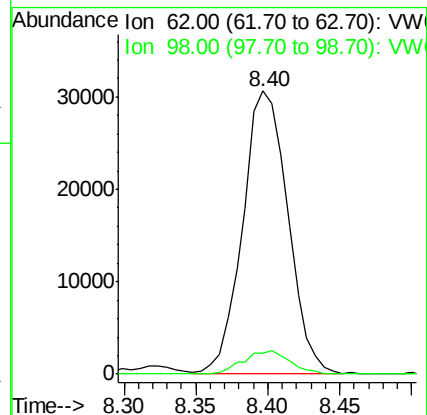
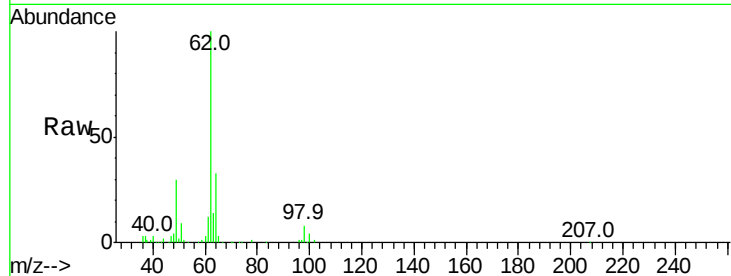
VSTD00504

Tgt Ion: 62 Resp: 66955

Ion Ratio Lower Upper

62 100

98 7.5 6.6 10.0



#30

Cyclohexane

Concen: 4.038 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

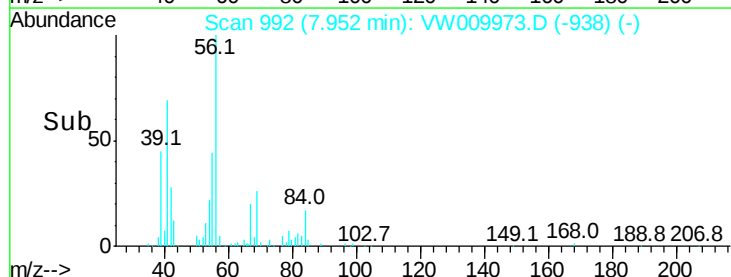
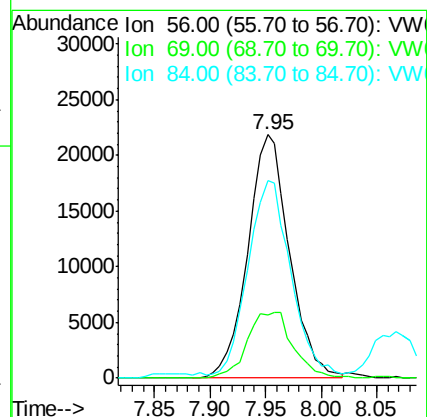
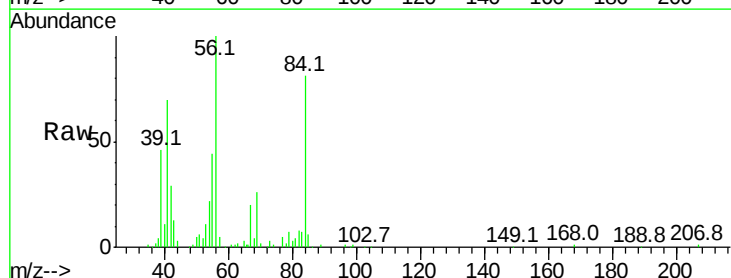
Tgt Ion: 56 Resp: 57049

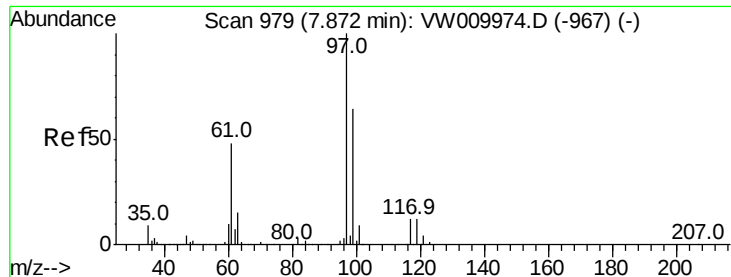
Ion Ratio Lower Upper

56 100

69 15.0 23.4 35.0#

84 84.8 65.5 98.3





#31

1,1,1-Trichloroethane

Concen: 4.593 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

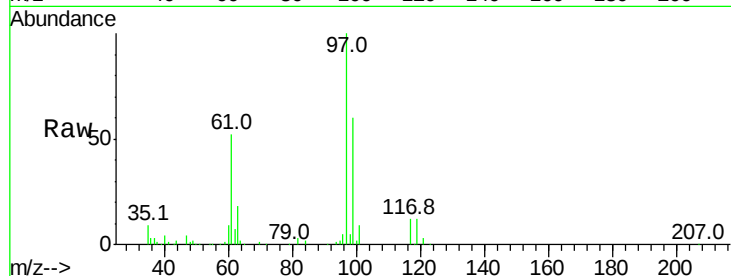
Tgt Ion: 97 Resp: 62377

Ion Ratio Lower Upper

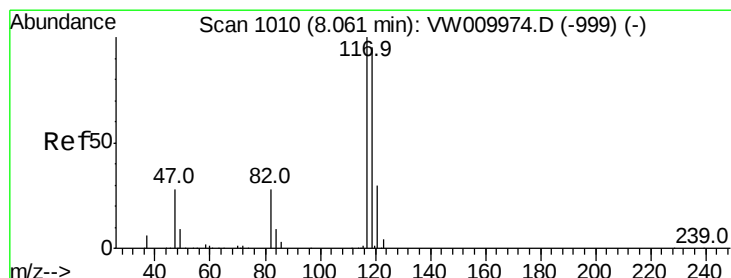
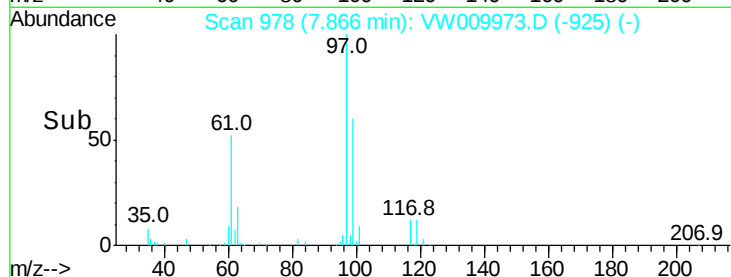
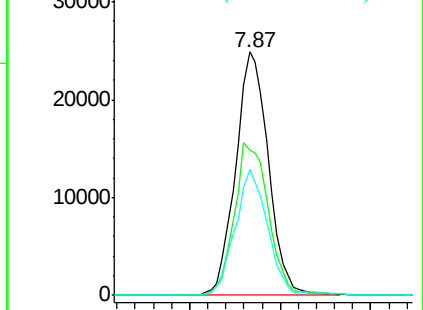
97 100

99 64.2 50.8 76.2

61 50.5 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 4.479 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009973.D

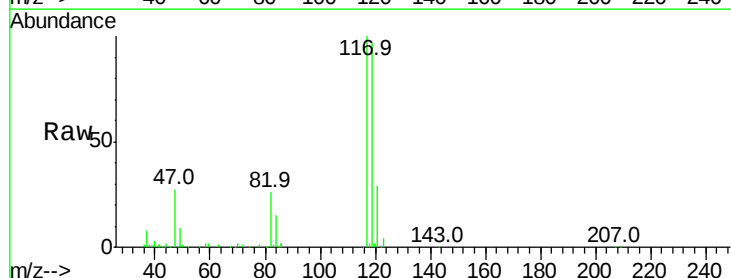
Acq: 15 Apr 2019 15:18

Tgt Ion: 117 Resp: 60979

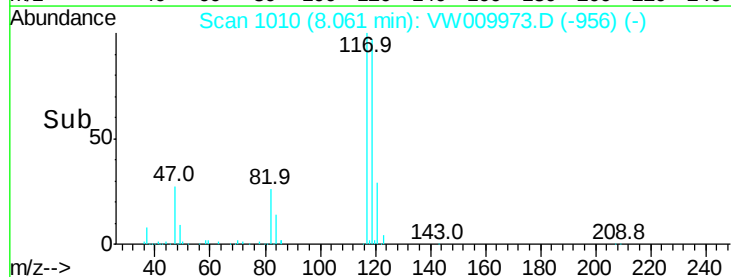
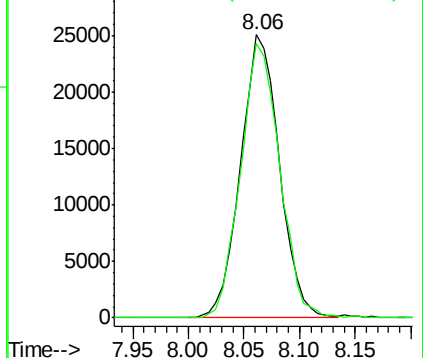
Ion Ratio Lower Upper

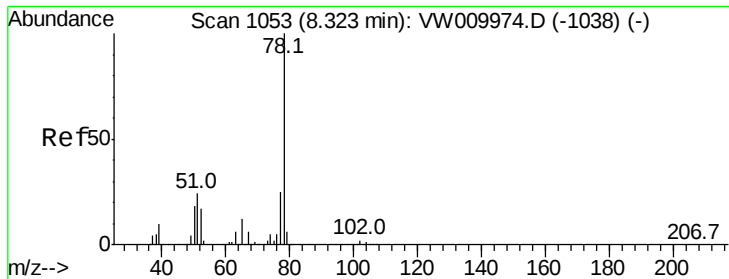
117 100

119 97.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 4.861 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

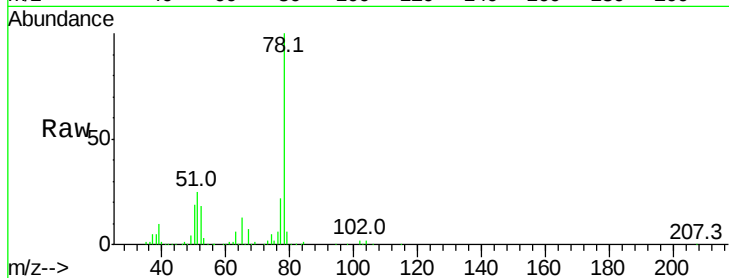
Instrument :

MSVOA_W

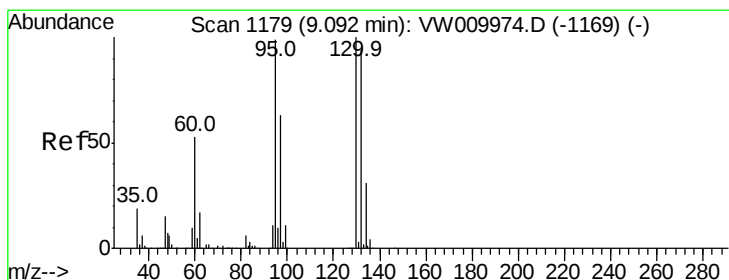
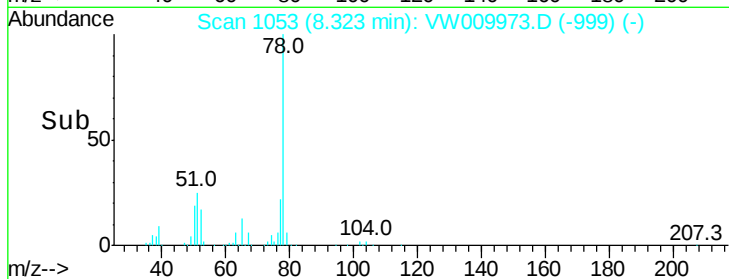
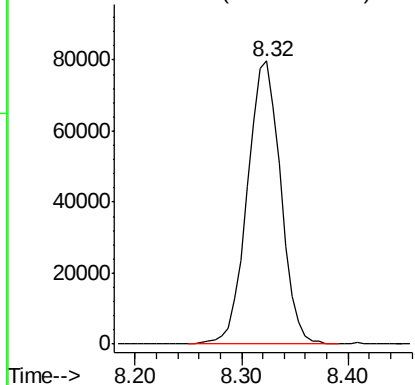
ClientSampled :

VSTD00504

Tgt Ion: 78 Resp: 175080



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 4.745 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Tgt Ion: 95 Resp: 44721

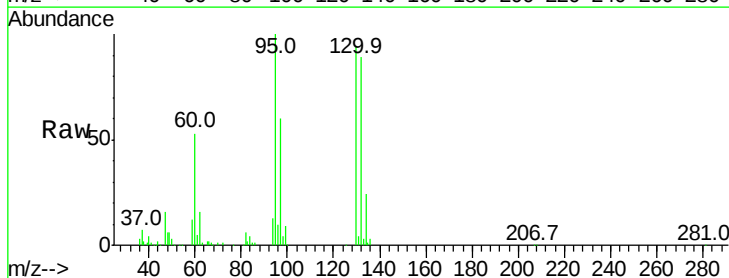
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.3	84.1
132	96.1	65.6	121.8
130	100.1	68.5	127.3

95 100

97 64.1 45.3 84.1

132 96.1 65.6 121.8

130 100.1 68.5 127.3

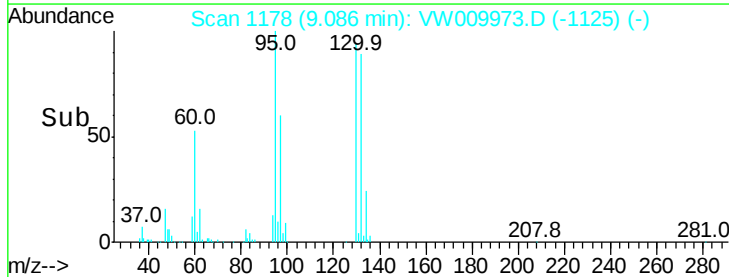
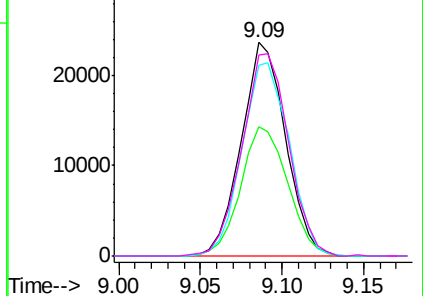


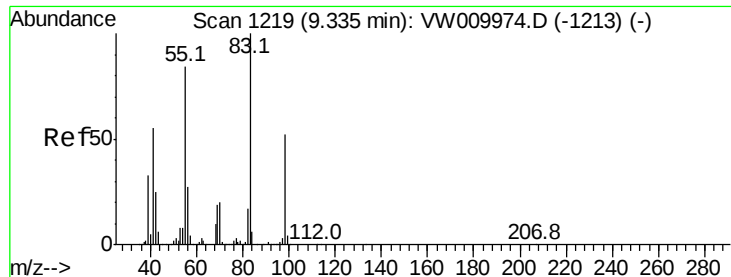
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

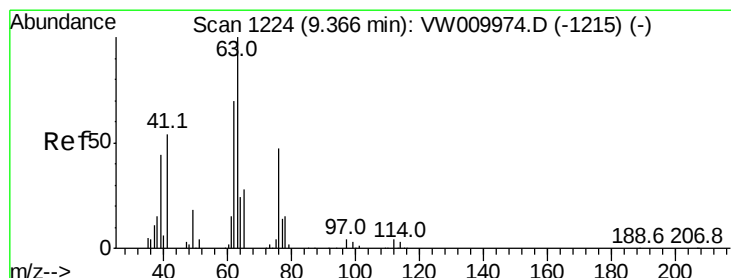
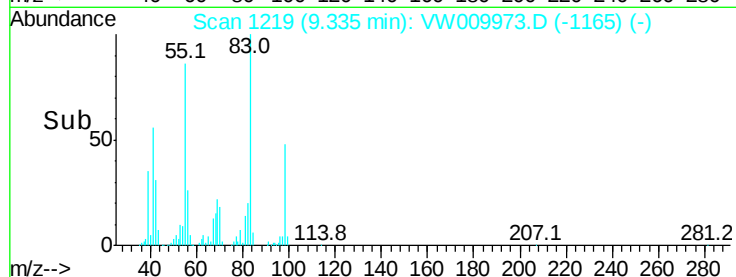
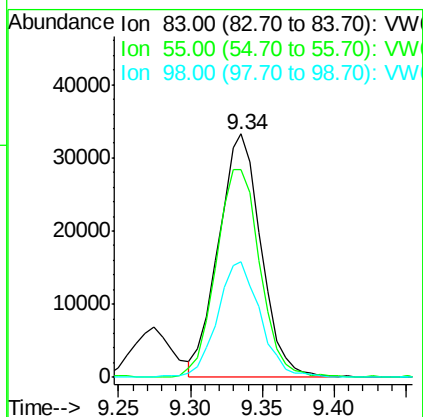
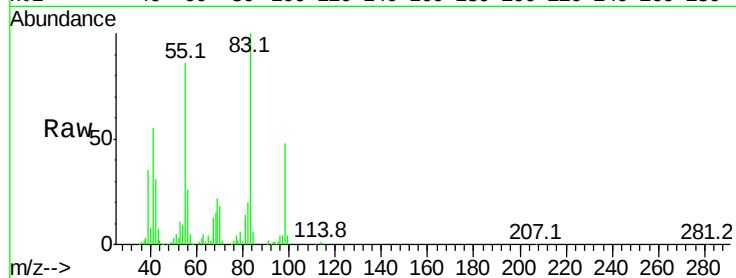




#36
Methylcyclohexane
Concen: 4.433 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

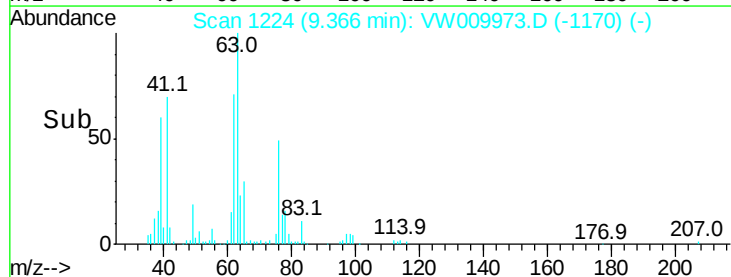
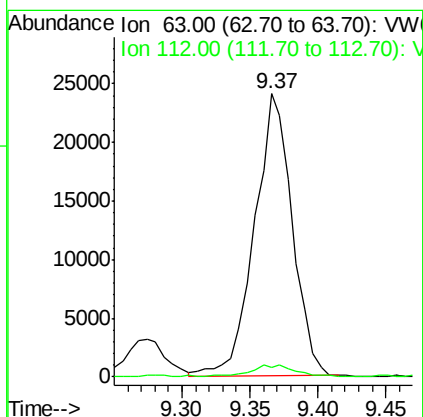
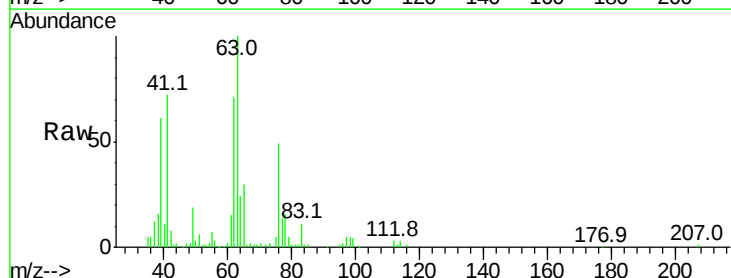
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

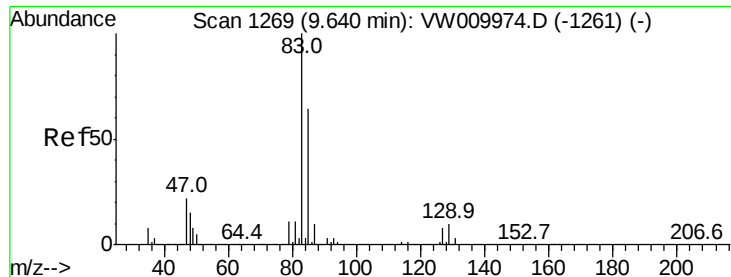
Tgt Ion: 83 Resp: 68688
Ion Ratio Lower Upper
83 100
55 88.3 68.4 102.6
98 48.0 40.0 60.0



#40
1,2-Dichloropropane
Concen: 5.077 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

Tgt Ion: 63 Resp: 46808
Ion Ratio Lower Upper
63 100
112 5.1 3.4 5.2

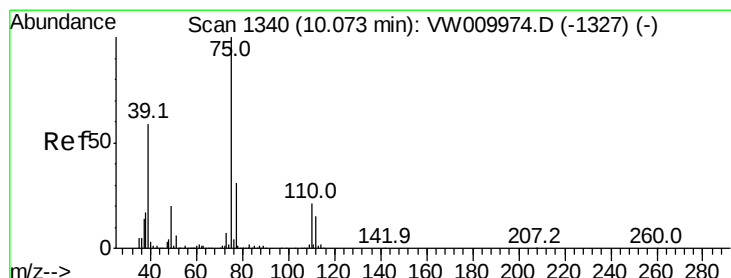
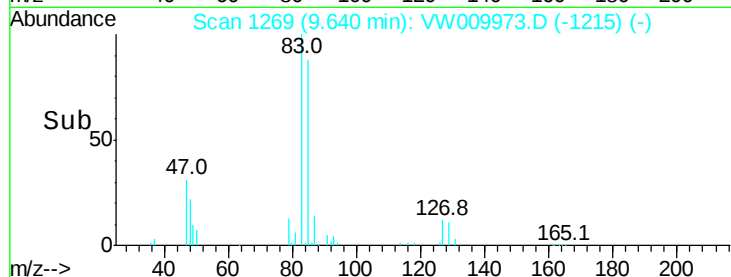
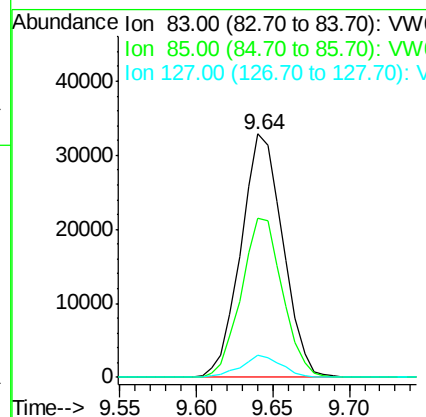
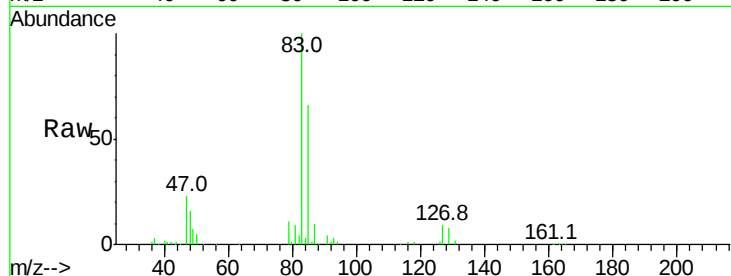




#41
 Bromodichloromethane
 Concen: 4.941 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

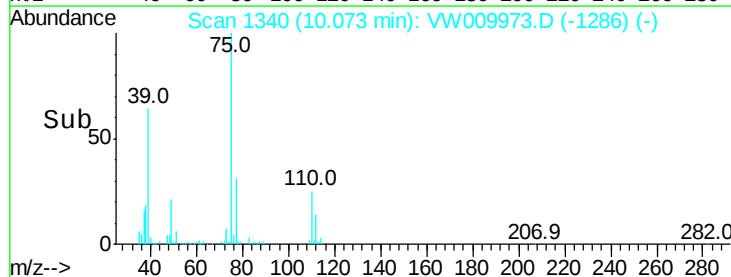
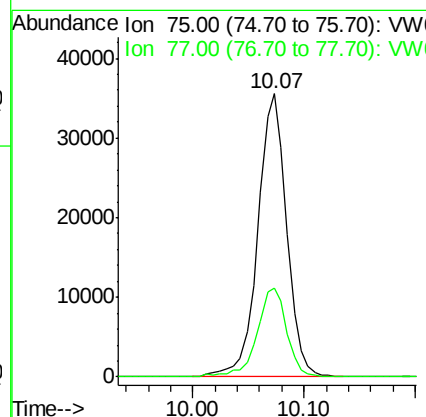
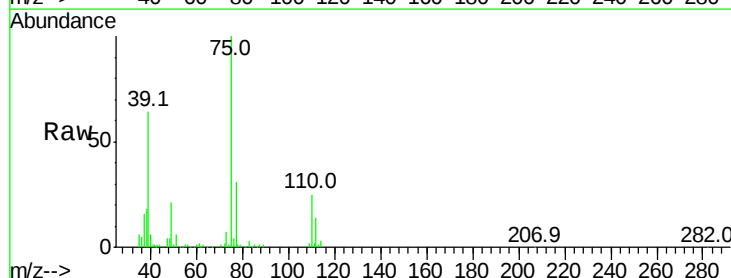
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

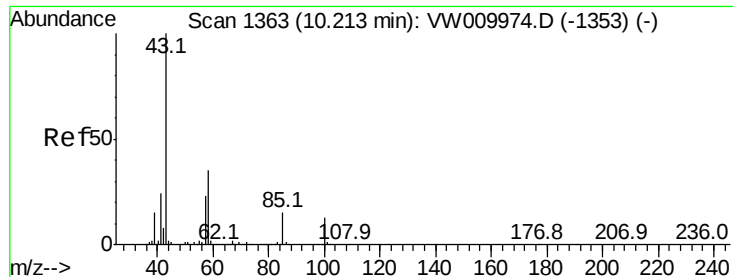
Tgt Ion: 83 Resp: 62856
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.1 83.9
 127 9.1 6.1 9.1#



#42
 cis-1,3-Dichloropropene
 Concen: 4.487 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

Tgt Ion: 75 Resp: 64089
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.4





#43

4-Methyl-2-pentanone

Concen: 9.304 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

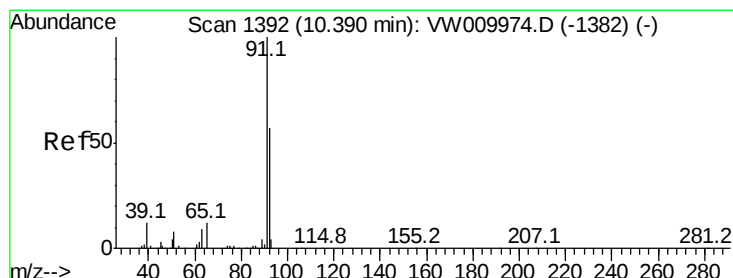
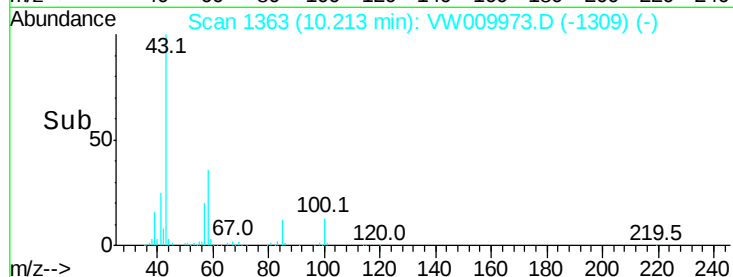
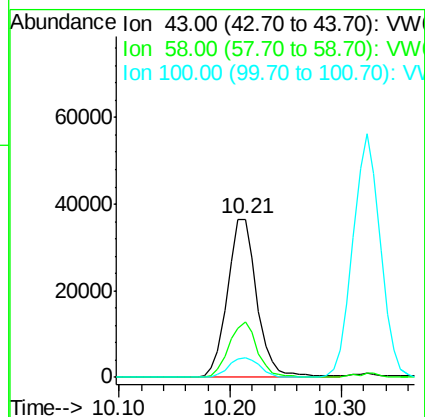
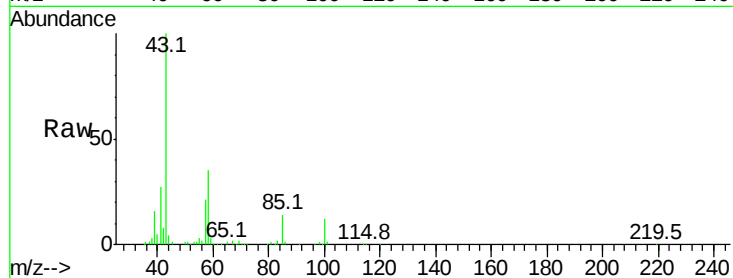
Tgt Ion: 43 Resp: 66632

Ion Ratio Lower Upper

43 100

58 33.5 27.9 41.9

100 12.9 10.5 15.7



#44

Toluene

Concen: 4.794 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009973.D

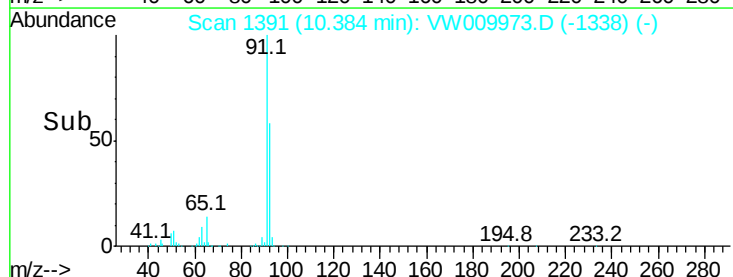
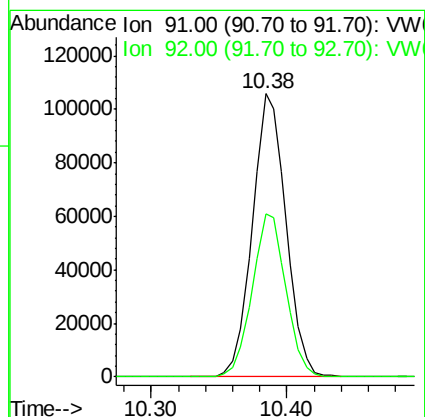
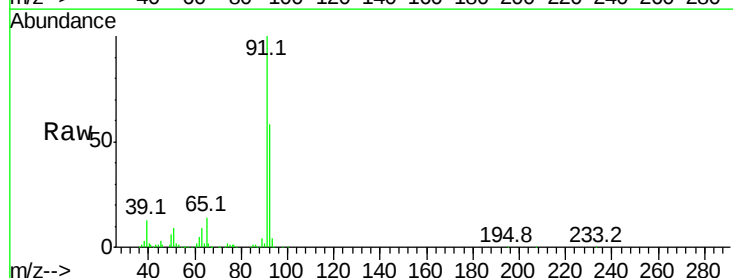
Acq: 15 Apr 2019 15:18

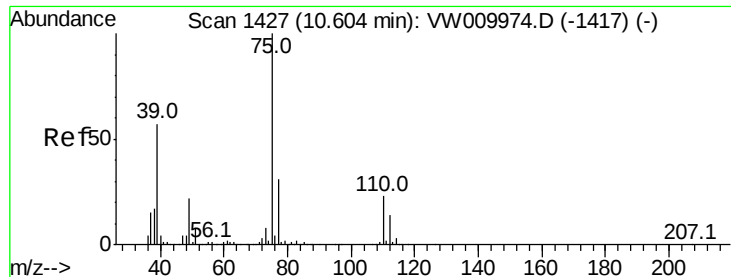
Tgt Ion: 91 Resp: 182910

Ion Ratio Lower Upper

91 100

92 57.7 39.8 74.0





#45

trans-1,3-Dichloropropene

Concen: 4.730 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

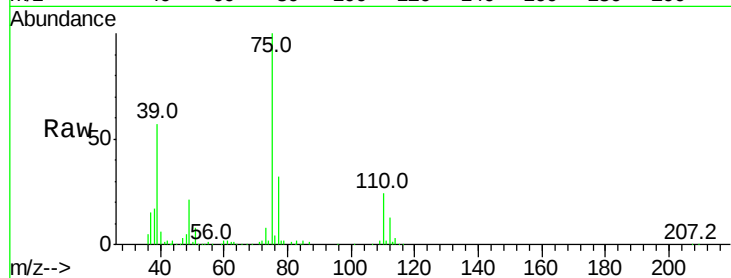
VSTD00504

Tgt Ion: 75 Resp: 58248

Ion Ratio Lower Upper

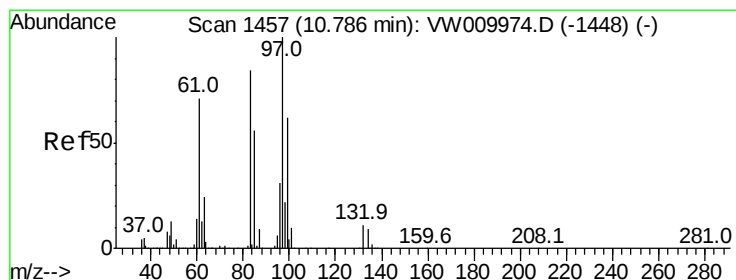
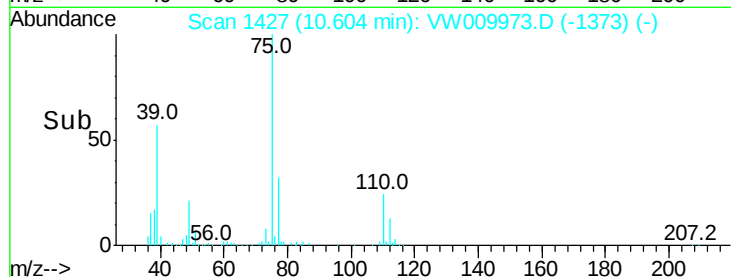
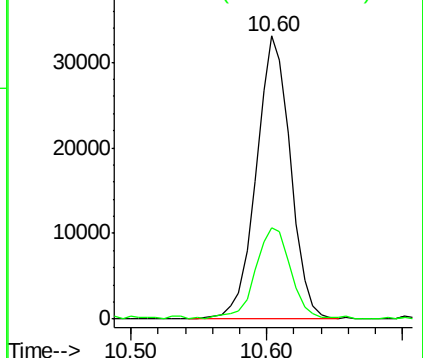
75 100

77 32.2 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 5.167 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Tgt Ion: 97 Resp: 35755

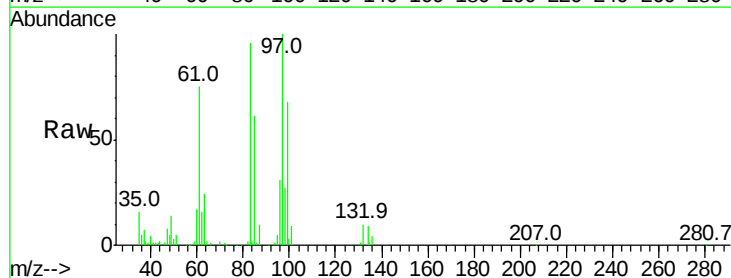
Ion Ratio Lower Upper

97 100

83 96.5 59.1 109.7

85 61.5 39.3 73.1

99 68.1 43.6 81.0

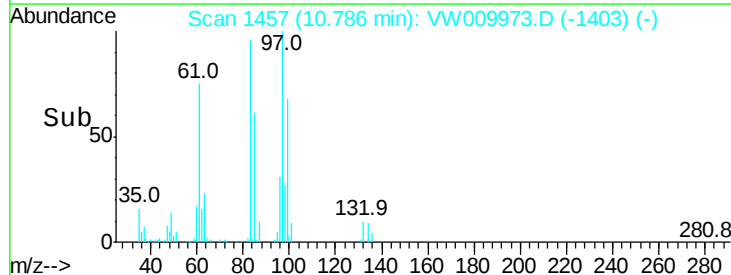
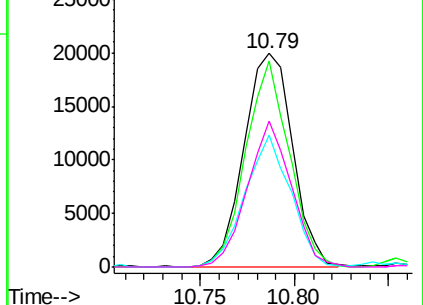


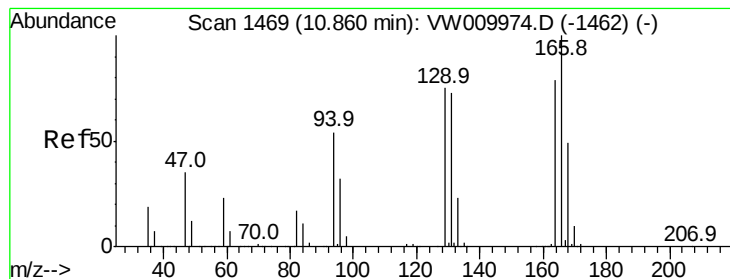
Abundance Ion 97.00 (96.70 to 97.70): VW

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: 4.957 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion:164 Resp: 36796

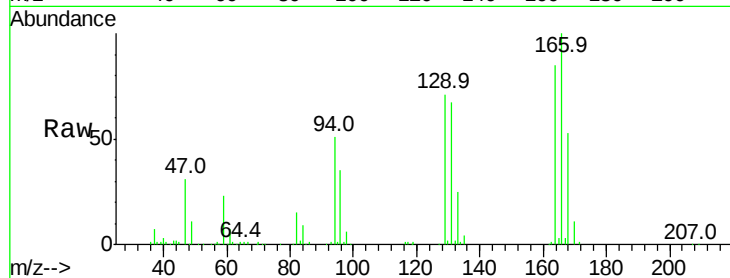
Ion Ratio Lower Upper

164 100

129 83.3 66.8 124.2

131 78.8 65.2 121.0

166 117.6 89.0 165.2

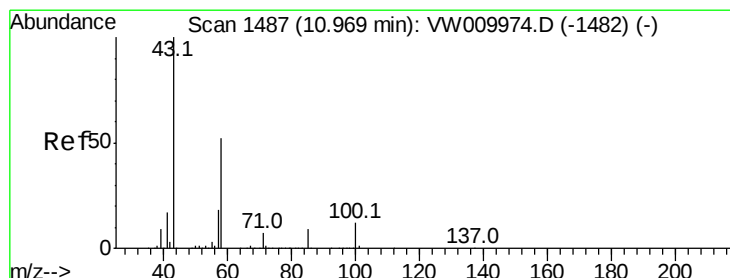
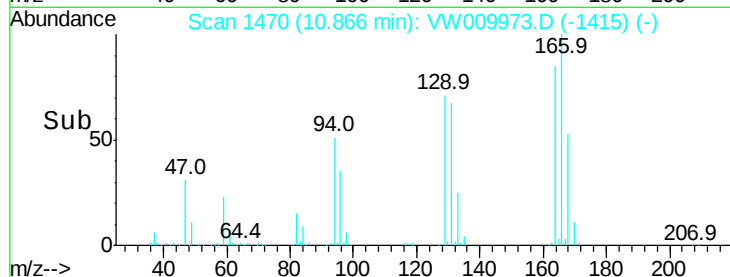
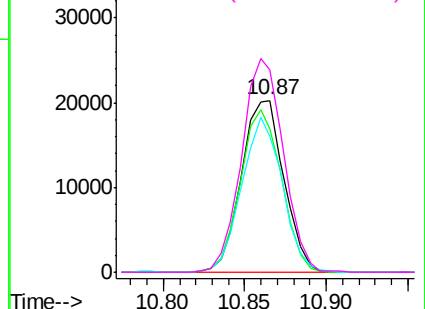


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.769 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Tgt Ion: 43 Resp: 46762

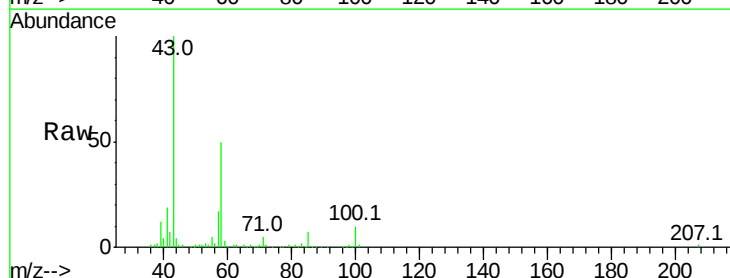
Ion Ratio Lower Upper

43 100

58 47.8 39.8 59.8

57 17.7 14.1 21.1

100 10.5 8.4 12.6

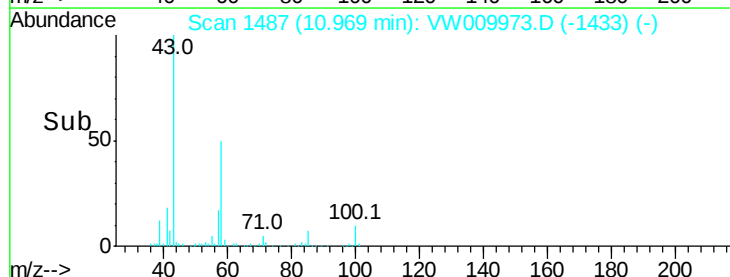
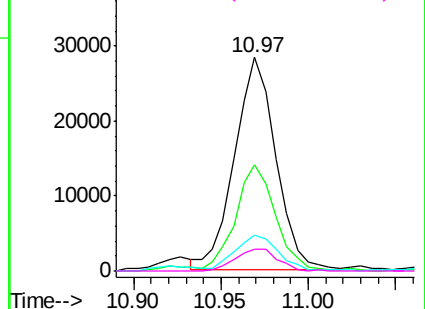


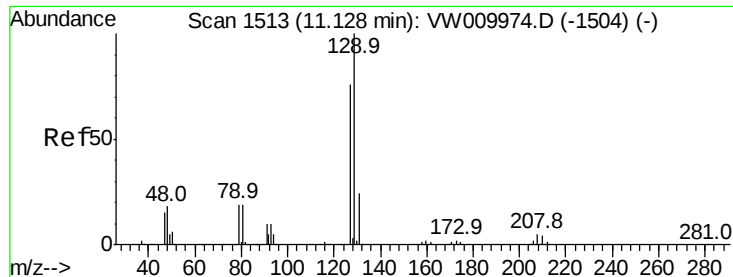
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 4.892 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

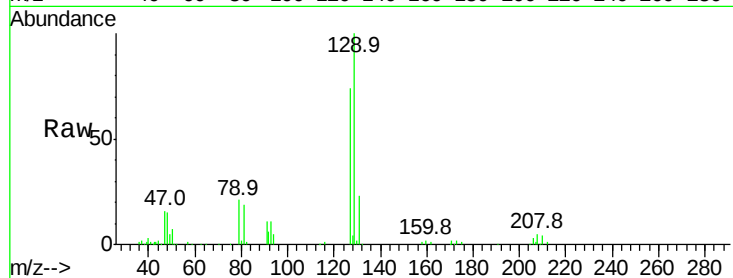
VSTD00504

Tgt Ion:129 Resp: 41592

Ion Ratio Lower Upper

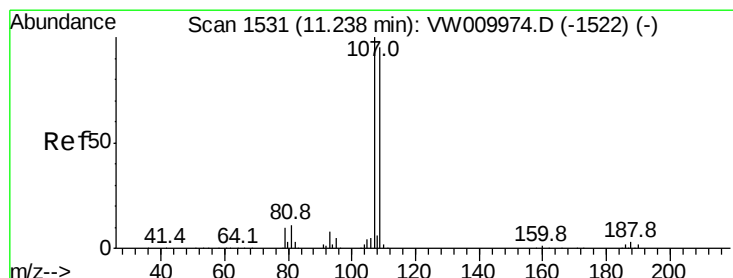
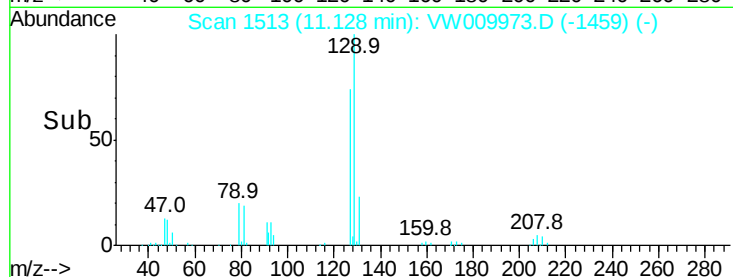
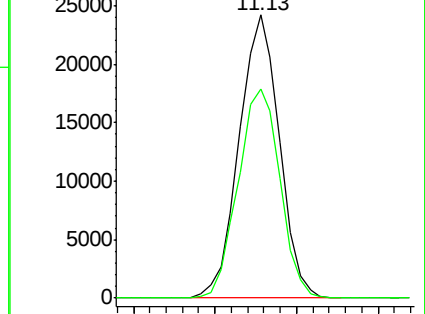
129 100

127 74.1 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 4.929 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

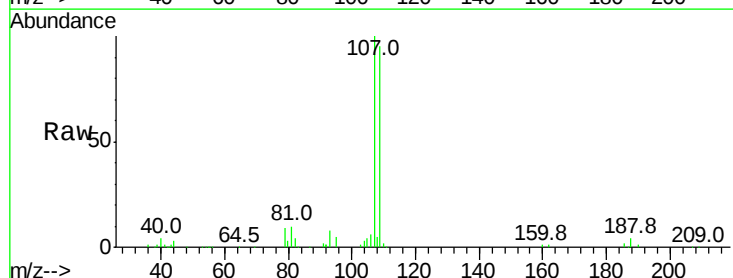
Tgt Ion:107 Resp: 34186

Ion Ratio Lower Upper

107 100

109 95.3 66.4 123.4

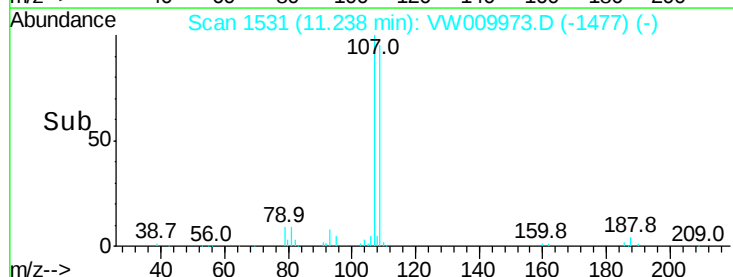
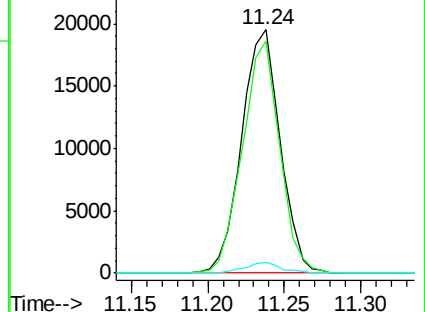
188 4.3 2.7 4.1#

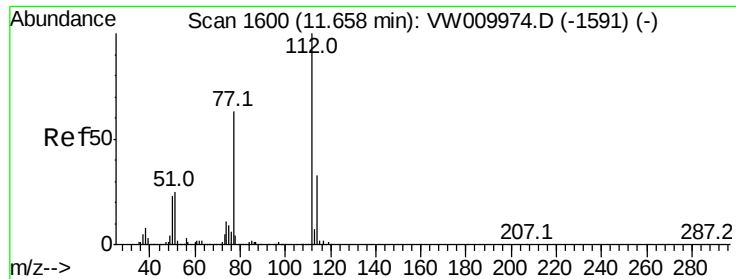


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 4.971 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

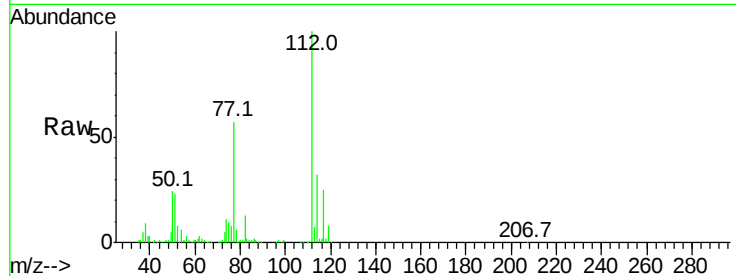
Tgt Ion: 112 Resp: 122076

Ion Ratio Lower Upper

112 100

77 57.0 50.2 75.4

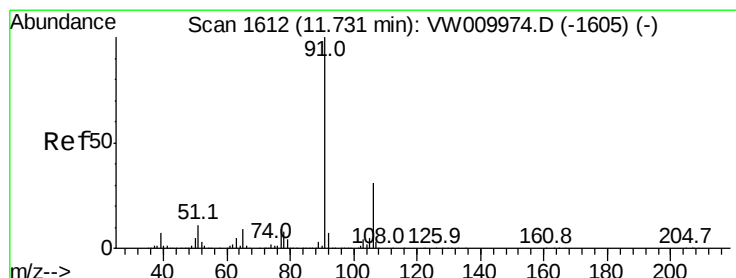
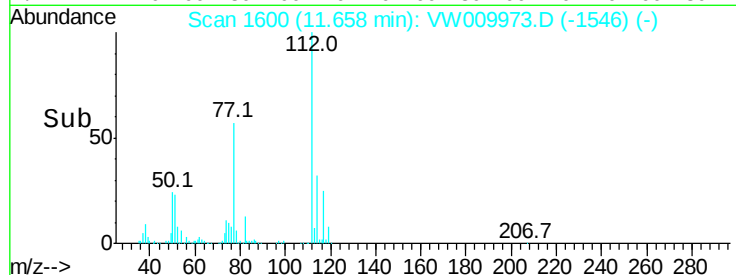
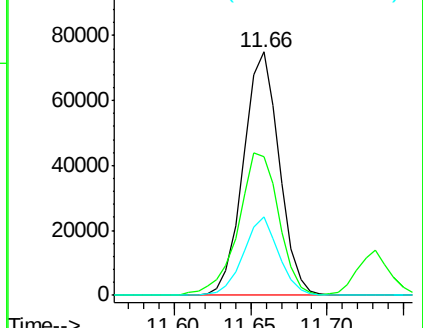
114 32.4 22.7 42.3



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 4.500 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009973.D

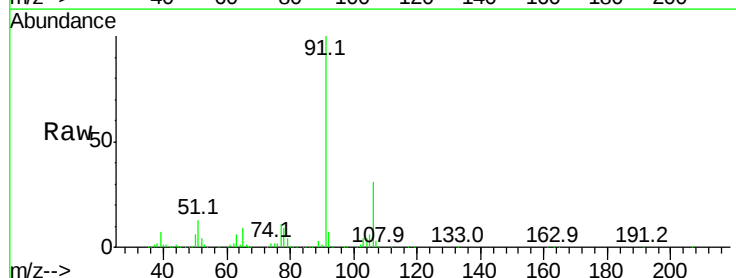
Acq: 15 Apr 2019 15:18

Tgt Ion: 91 Resp: 195570

Ion Ratio Lower Upper

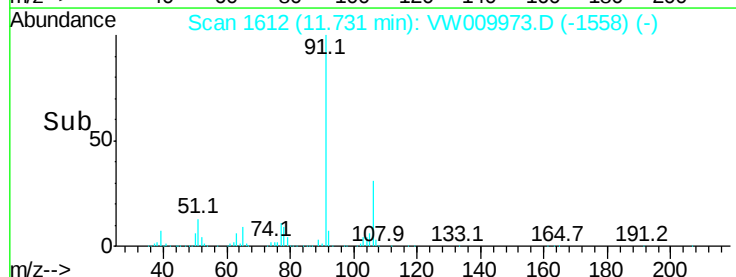
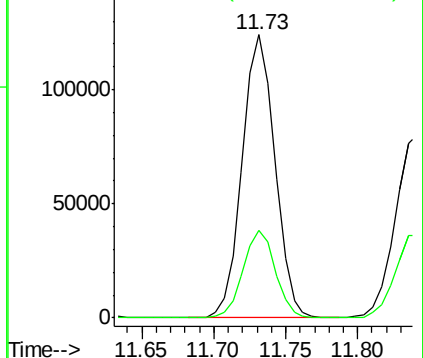
91 100

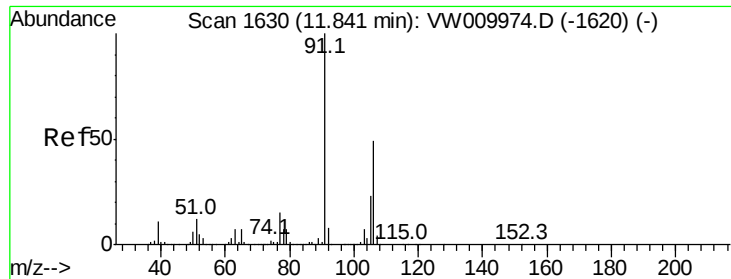
106 30.9 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 4.447 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

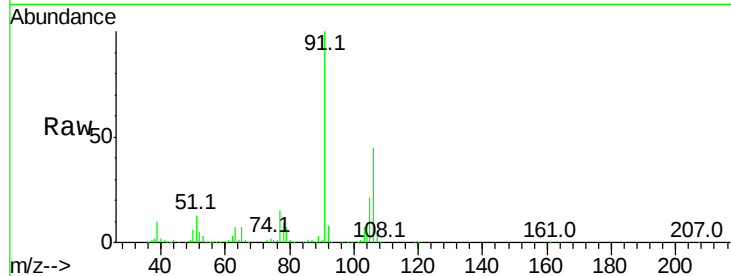
VSTD00504

Tgt Ion:106 Resp: 71480

Ion Ratio Lower Upper

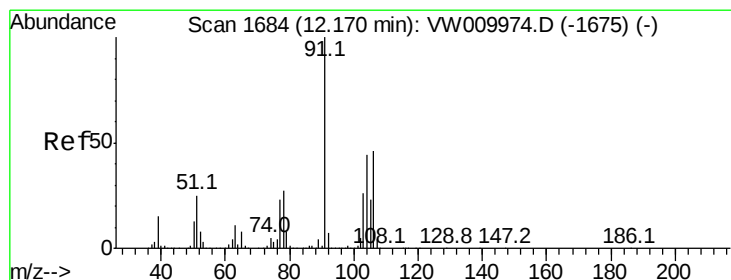
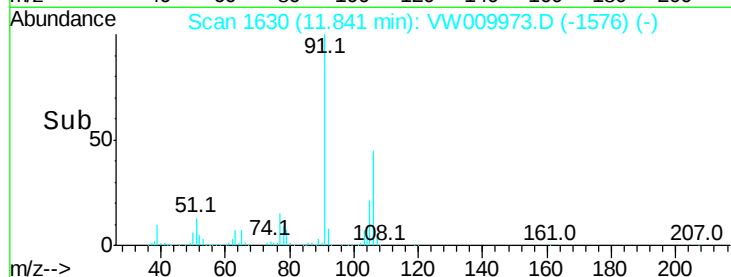
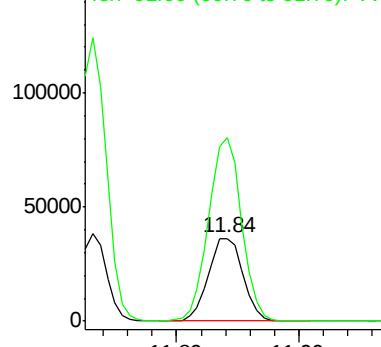
106 100

91 221.6 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.467 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW009973.D

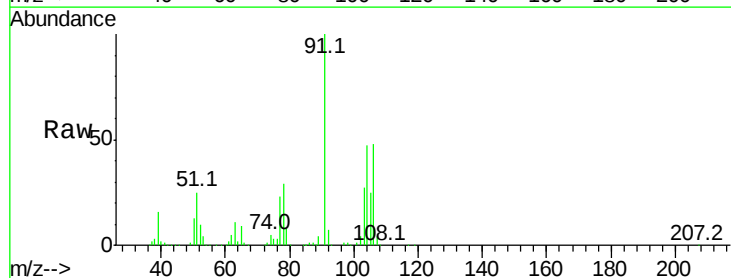
Acq: 15 Apr 2019 15:18

Tgt Ion:106 Resp: 68387

Ion Ratio Lower Upper

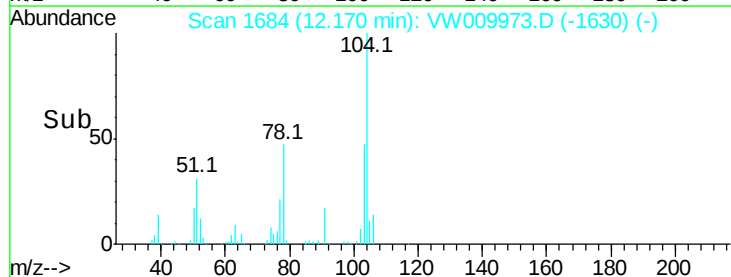
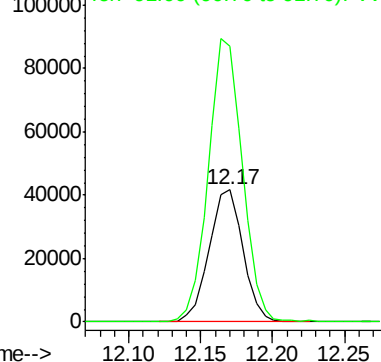
106 100

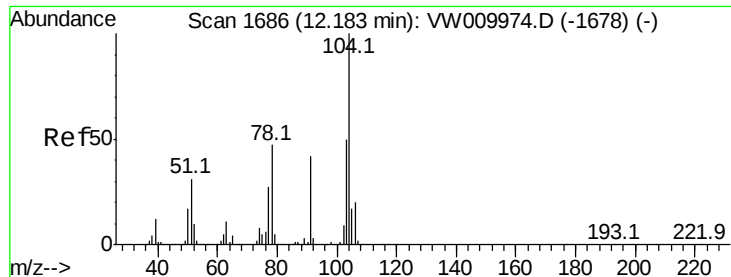
91 208.7 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 4.500 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

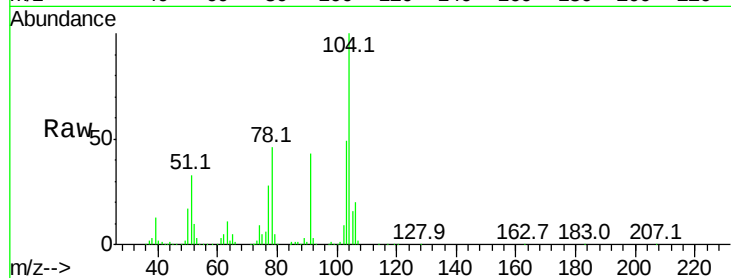
VSTD00504

Tgt Ion:104 Resp: 119531

Ion Ratio Lower Upper

104 100

78 46.5 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

80000

60000

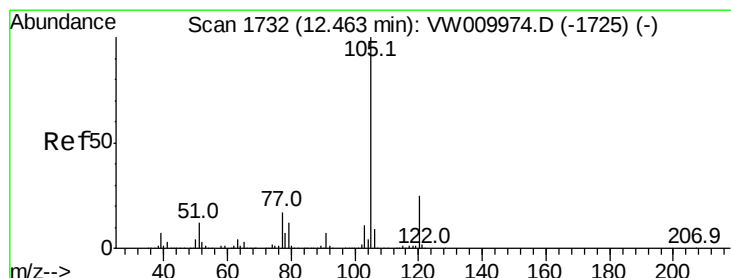
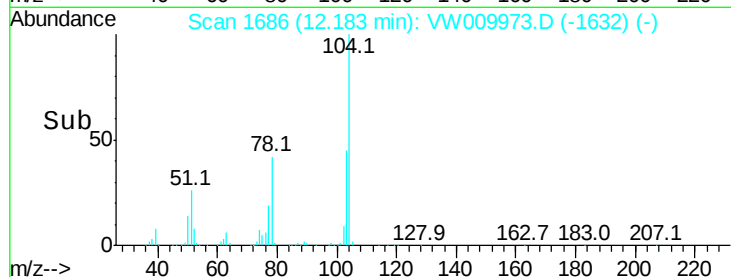
40000

20000

0

12.10 12.20

Time-->



#57

Isopropylbenzene

Concen: 4.263 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

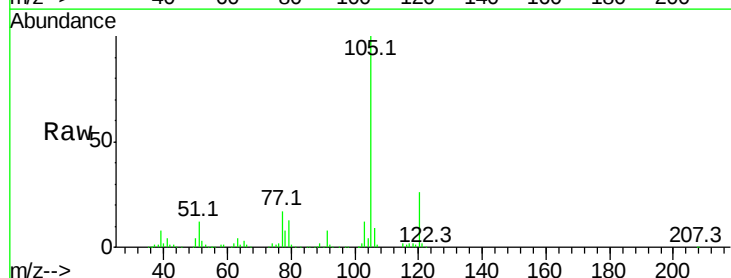
Tgt Ion:105 Resp: 178710

Ion Ratio Lower Upper

105 100

120 26.7 20.6 30.8

77 17.7 13.4 20.2



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

12.46

150000

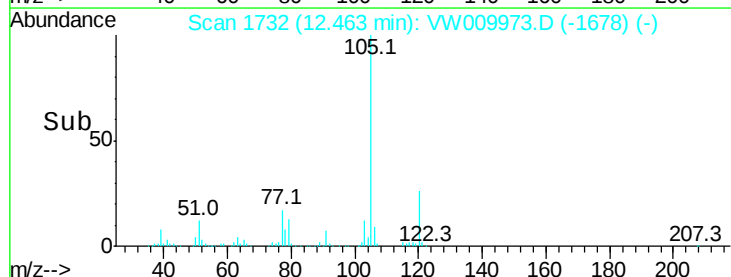
100000

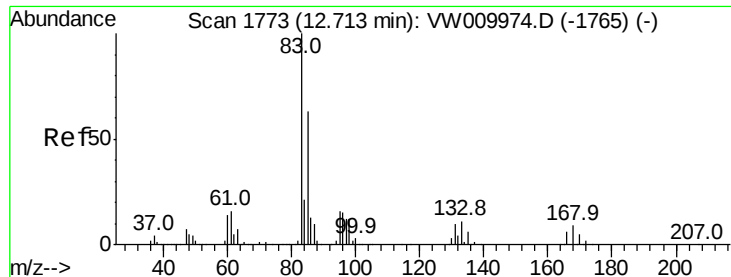
50000

0

12.40 12.45 12.50 12.55

Time-->

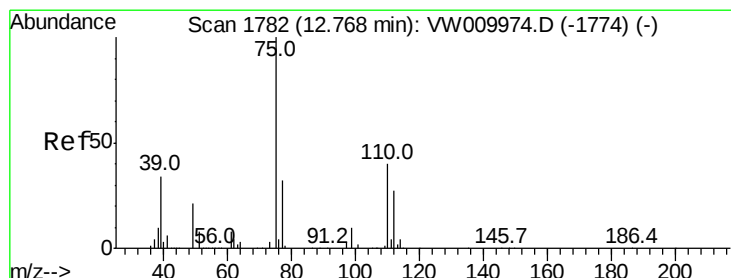
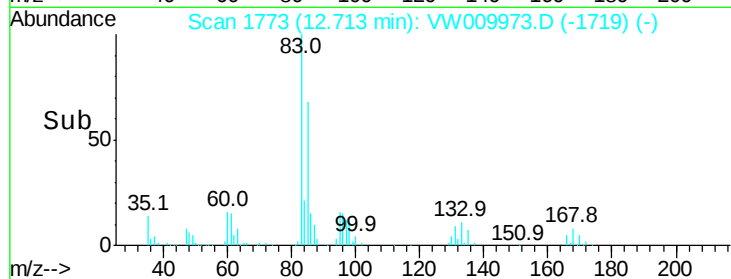
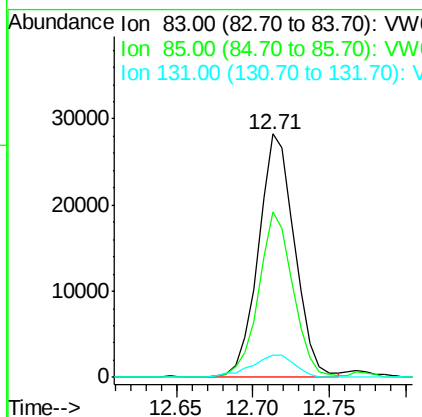
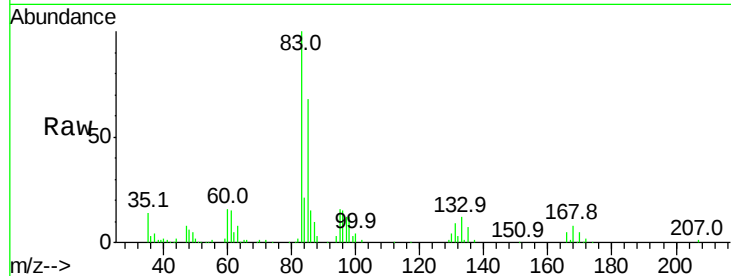




#58
 1,1,2,2-Tetrachloroethane
 Concen: 5.008 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

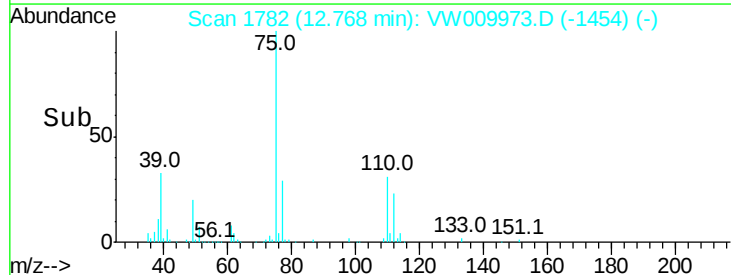
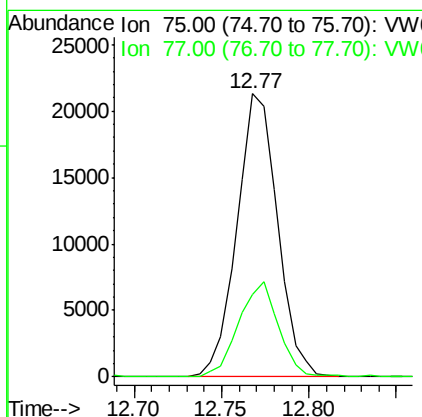
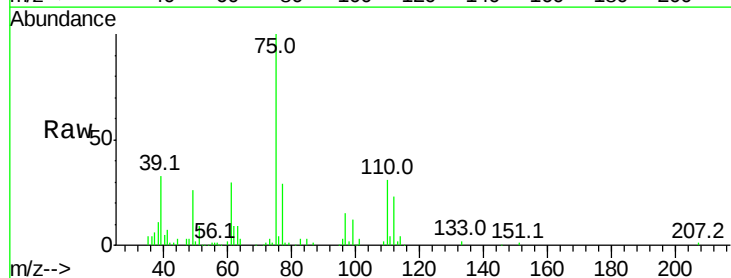
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

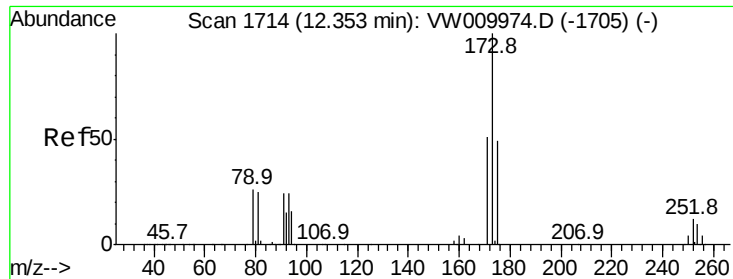
Tgt Ion: 83 Resp: 46599
 Ion Ratio Lower Upper
 83 100
 85 68.0 44.1 81.9
 131 9.1 8.3 12.5



#59
 1,2,3-Trichloropropane
 Concen: 4.972 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

Tgt Ion: 75 Resp: 34443
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.6

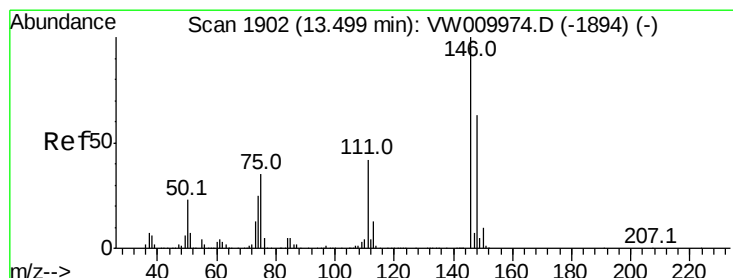
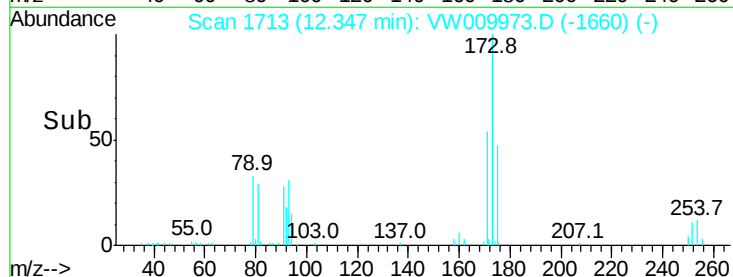
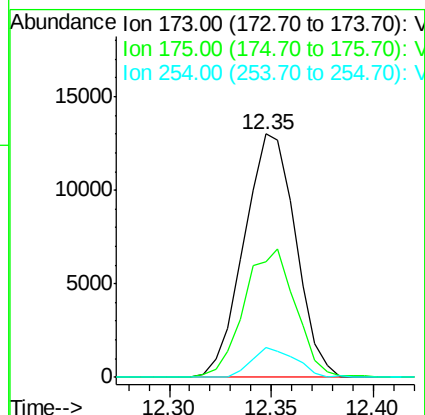
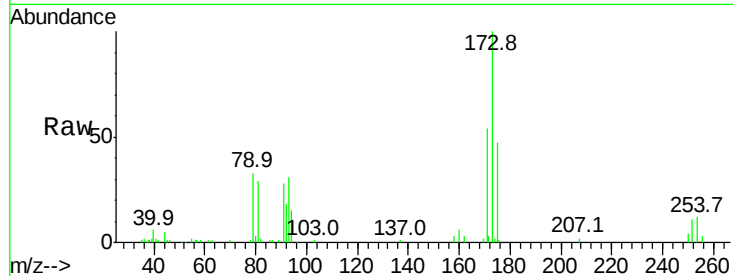




#62
Bromoform
Concen: 4.621 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

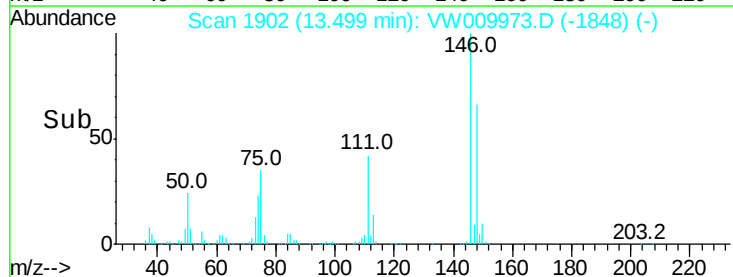
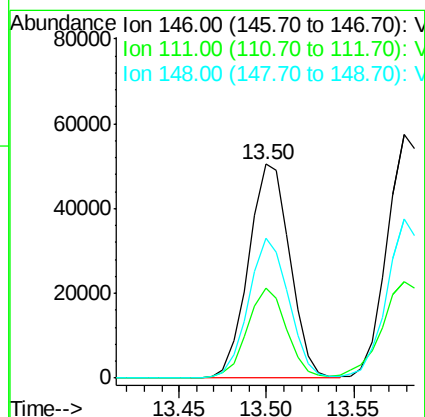
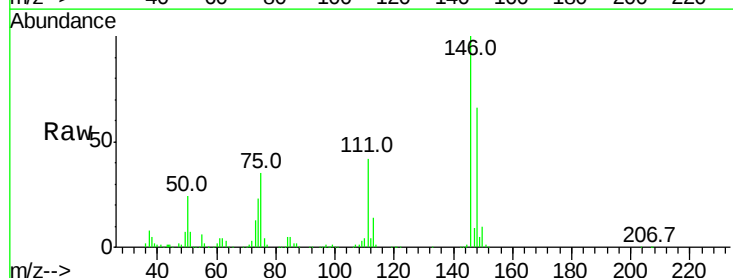
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

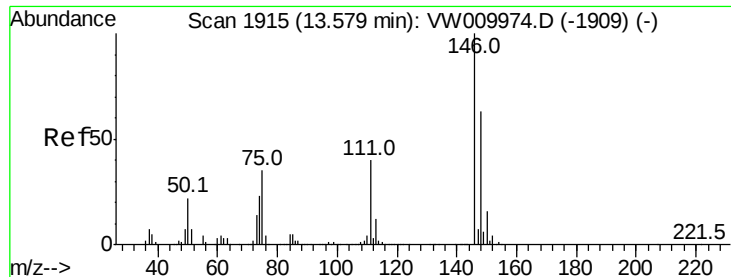
Tgt Ion:173 Resp: 22866
Ion Ratio Lower Upper
173 100
175 52.7 38.4 57.6
254 10.4 7.7 11.5



#63
1,3-Dichlorobenzene
Concen: 4.763 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW009973.D
Acq: 15 Apr 2019 15:18

Tgt Ion:146 Resp: 82921
Ion Ratio Lower Upper
146 100
111 42.3 29.3 54.3
148 65.6 44.1 81.9

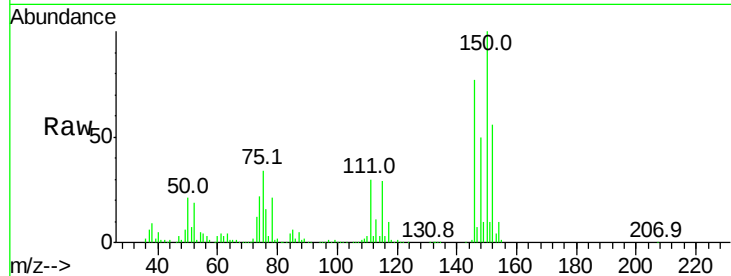




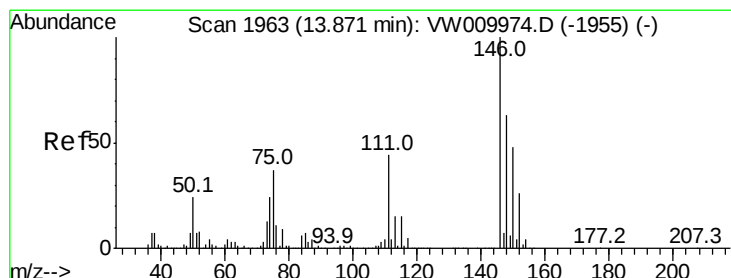
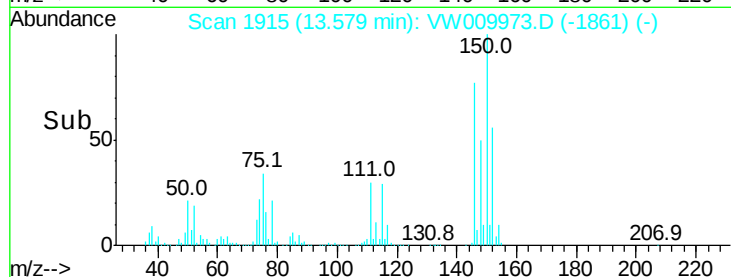
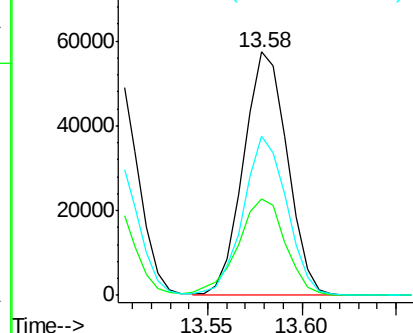
#64
 1,4-Dichlorobenzene
 Concen: 5.006 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tgt Ion:146 Resp: 92928
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.0 52.0
 148 65.1 44.1 81.9

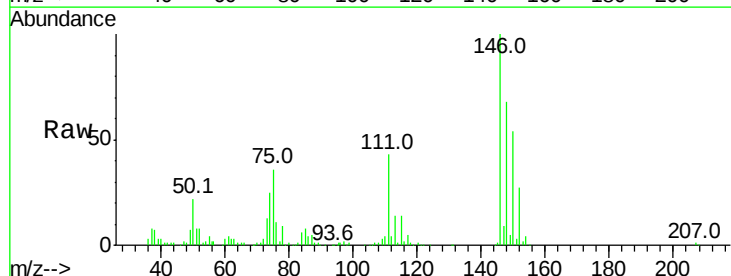


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

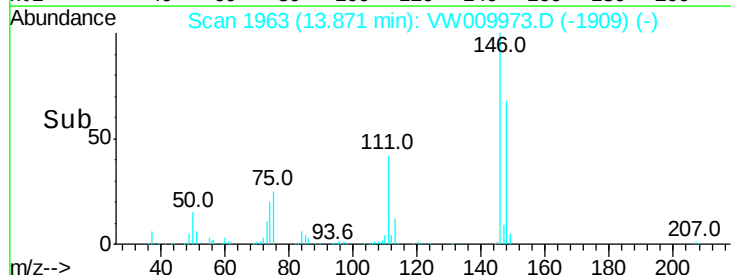
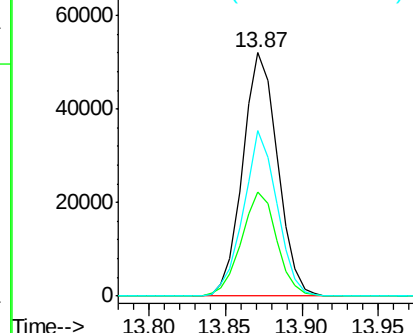


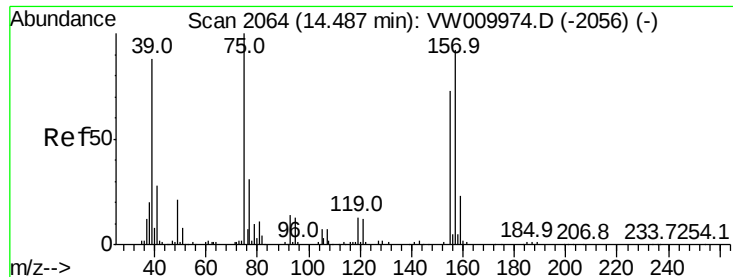
#65
 1,2-Dichlorobenzene
 Concen: 4.960 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

Tgt Ion:146 Resp: 82608
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.0 52.6
 148 68.0 50.4 75.6



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

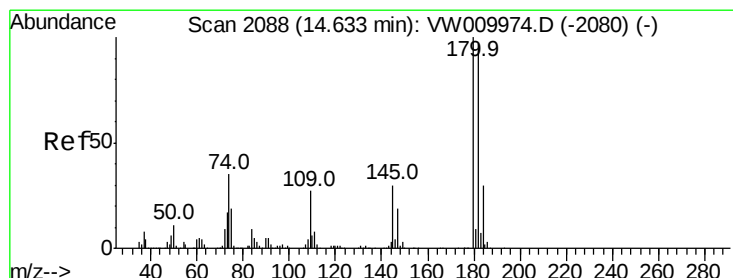
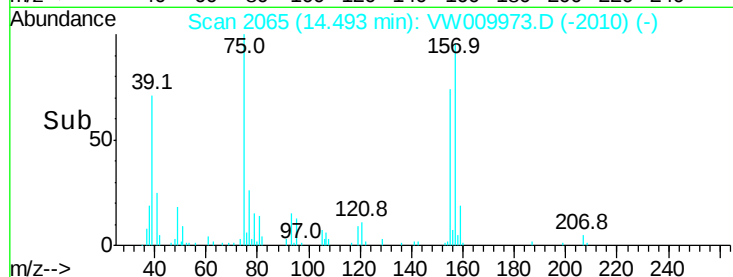
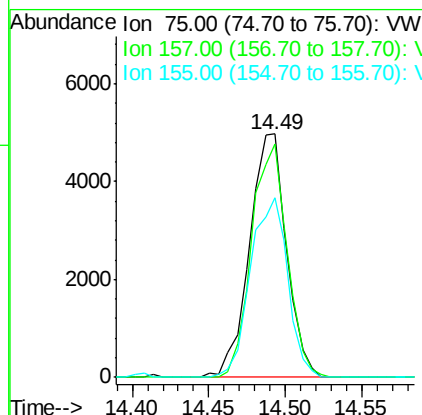
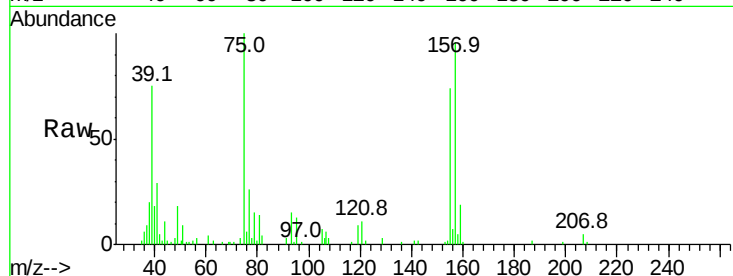




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.157 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

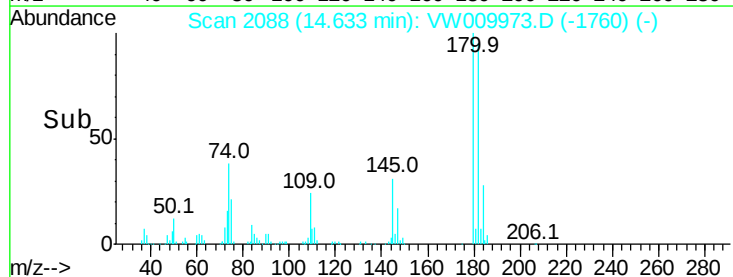
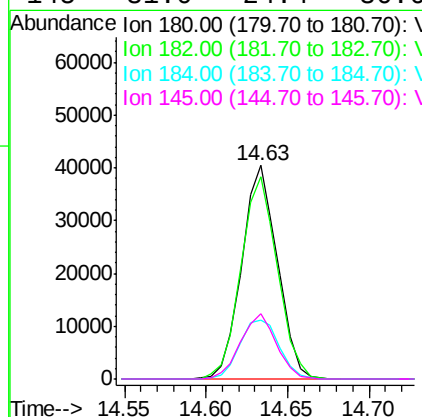
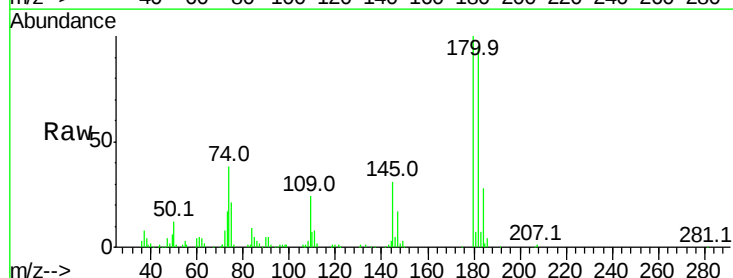
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

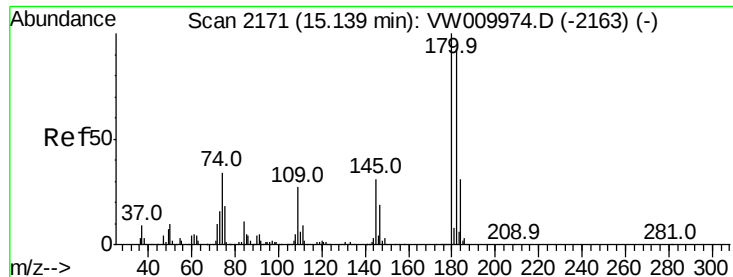
Tgt Ion: 75 Resp: 8360
 Ion Ratio Lower Upper
 75 100
 157 96.0 73.3 109.9
 155 73.8 58.6 88.0



#67
 1,3,5-Trichlorobenzene
 Concen: 4.759 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

Tgt Ion: 180 Resp: 61477
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.8 115.2
 184 30.7 24.0 36.0
 145 31.0 24.4 36.6





#68

1,2,4-trichlorobenzene

Concen: 4.637 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

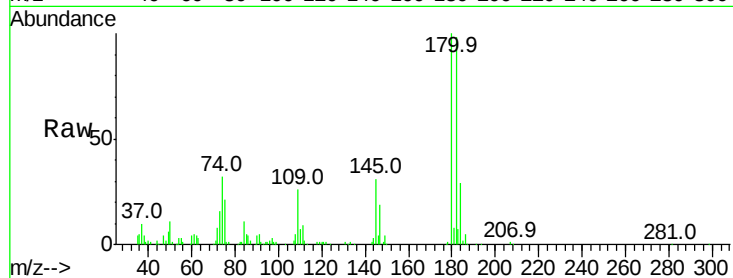
Tgt Ion:180 Resp: 48099

Ion Ratio Lower Upper

180 100

182 98.0 75.4 113.0

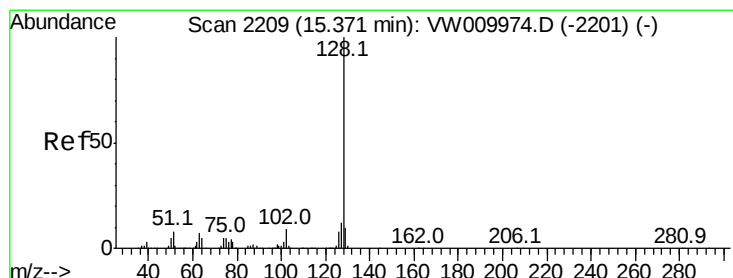
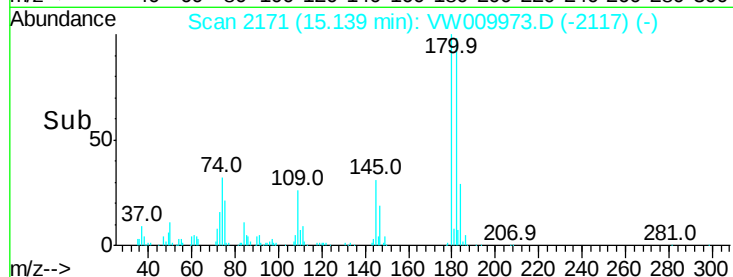
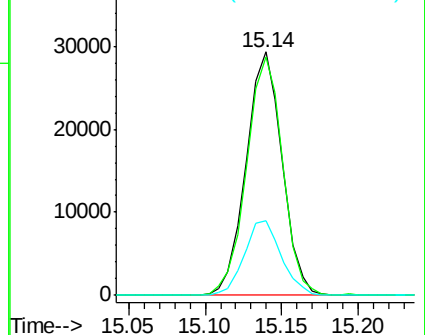
145 31.4 25.0 37.4



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: 4.235 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009973.D

Acq: 15 Apr 2019 15:18

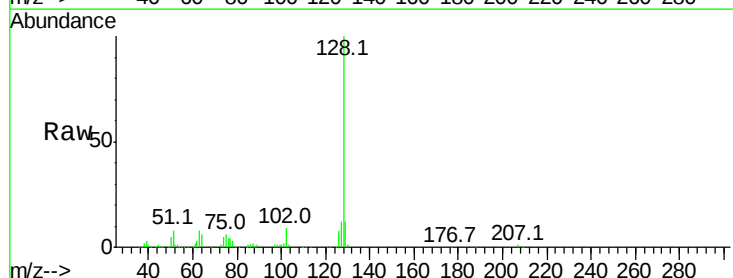
Tgt Ion:128 Resp: 88305

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

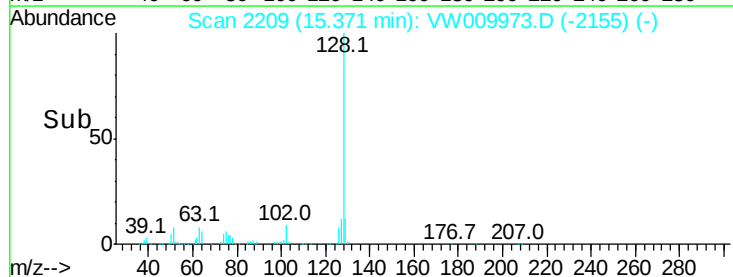
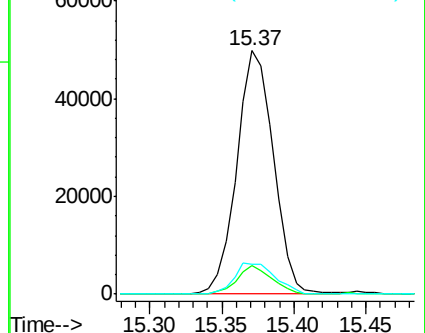
127 14.2 10.6 16.0

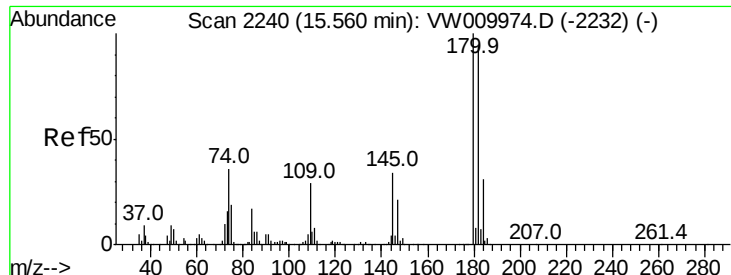


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

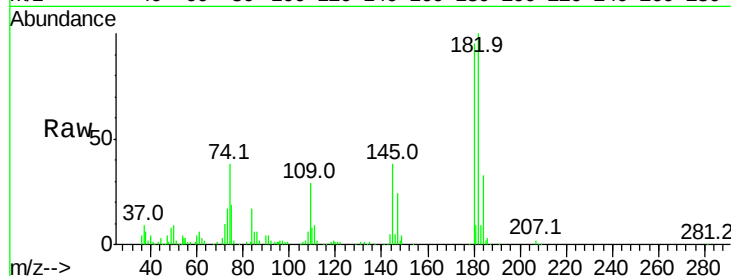




#70
 1,2,3-Trichlorobenzene
 Concen: 4.752 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW009973.D
 Acq: 15 Apr 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.0	114.0
145	33.6	26.3	39.5



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

