

Data File : VW008752.D
Acq On : 20 Feb 2019 11:15
Operator : SY/VA
Sample : VSTD2.581
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Feb 20 12:33:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 20 12:31:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	452944	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	456647	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	245725	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	20352	4.56	ug/L	0.00
7) Chloroethane-d5	2.88	69	17526	5.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	31580	2.61	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9865	5.18	ug/L	0.00
24) Chloroform-d	7.65	84	28891	2.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	17271	2.39	ug/L	0.00
29) Benzene-d6	8.27	84	54952	2.15	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	16413	2.36	ug/L	0.00
37) Toluene-d8	10.32	98	54551	2.19	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7966	1.99	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7907	4.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16055	2.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	22439	2.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	22599	4.527 ug/L	99
3) Chloromethane	2.21	50	23173	5.890 ug/L	97
5) Vinyl chloride	2.35	62	22801	4.659 ug/L	88
6) Bromomethane	2.77	94	14740	5.077 ug/L	97
9) Trichlorofluoromethane	3.26	101	28195	6.672 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	16176	2.829 ug/L #	90
12) 1,1-Dichloroethene	4.04	96	14565	2.782 ug/L	89
13) Acetone	4.14	43	12007	6.456 ug/L	88
14) Carbon disulfide	4.38	76	44985	2.713 ug/L #	94
16) Methylene chloride	4.92	84	22889	3.123 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	39839	4.281 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	15161	2.669 ug/L	93
19) 1,1-Dichloroethane	6.22	63	26690	2.825 ug/L	91
21) 2-Butanone	7.18	43	14984	7.080 ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	16666	2.738 ug/L	95
23) Bromochloromethane	7.51	128	7739	2.824 ug/L	97
25) Chloroform	7.68	83	28221	2.652 ug/L	99
27) 1,2-Dichloroethane	8.40	62	21061	2.698 ug/L	97
30) Cyclohexane	7.96	56	25785	2.567 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	26511	2.421 ug/L	97
32) Carbon tetrachloride	8.07	117	23865	2.270 ug/L	100
34) Benzene	8.32	78	60674	2.483 ug/L	100
35) Trichloroethene	9.09	95	16846	2.373 ug/L	96
36) Methylcyclohexane	9.34	83	28498	2.341 ug/L	98
40) 1,2-Dichloropropane	9.37	63	14880	2.591 ug/L	100
41) Bromodichloromethane	9.64	83	20337	2.407 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	23408	2.335 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	25681	5.649 ug/L	98
44) Toluene	10.39	91	68834	2.518 ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	21078	2.281 ug/L	92

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Quant Title : VOC Analysis
QLast Update : Wed Feb 20 12:31:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1,2-Trichloroethane	10.79	97	12615	2.596	ug/L	95
47) Tetrachloroethene	10.86	164	14752	2.615	ug/L	92
49) 2-Hexanone	10.97	43	19014	5.797	ug/L	98
50) Dibromochloromethane	11.13	129	14324	2.314	ug/L	98
51) 1,2-Dibromoethane	11.24	107	12713	2.563	ug/L #	87
52) Chlorobenzene	11.66	112	48533	2.727	ug/L	99
53) Ethylbenzene	11.73	91	79693	2.537	ug/L	99
54) m,p-Xylene	11.84	106	31492	2.661	ug/L	99
55) o-xylene	12.16	106	30227	2.693	ug/L	92
56) Styrene	12.18	104	48097	2.528	ug/L	97
57) Isopropylbenzene	12.47	105	79274	2.493	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	16681	2.768	ug/L	97
62) Bromoform	12.35	173	8586	2.216	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	41209	2.623	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	42528	2.722	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	37695	2.643	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	3334	2.371	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	31936	2.776	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	27260	2.760	ug/L	99
69) Naphthalene	15.37	128	52156	2.333	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	25635	2.932	ug/L	97

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

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Misc : 5.00G/10ML/MSVOA W/SOIL

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

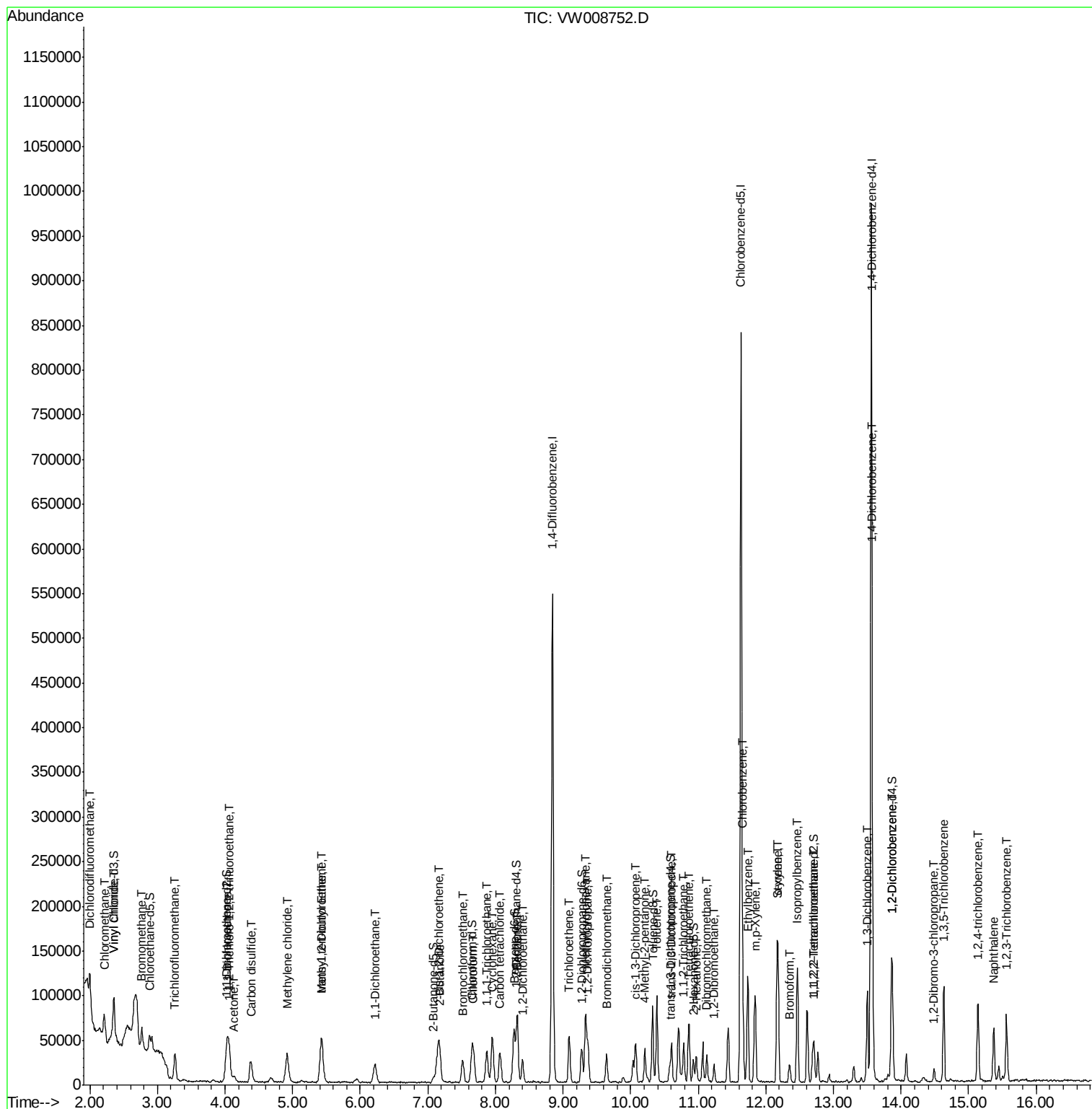
Quant Time: Feb 20 12:33:57 2019

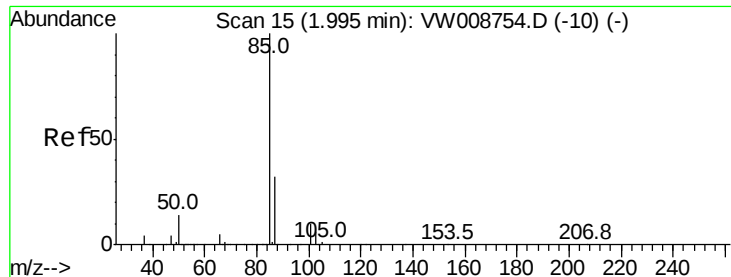
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 4.527 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

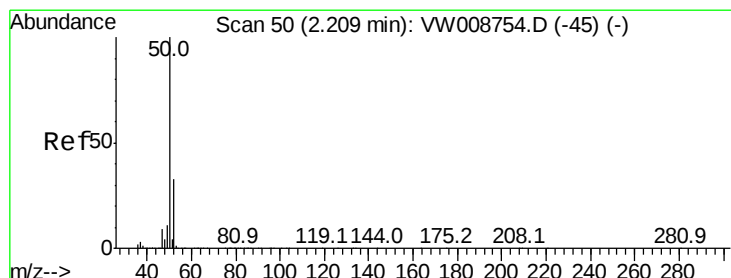
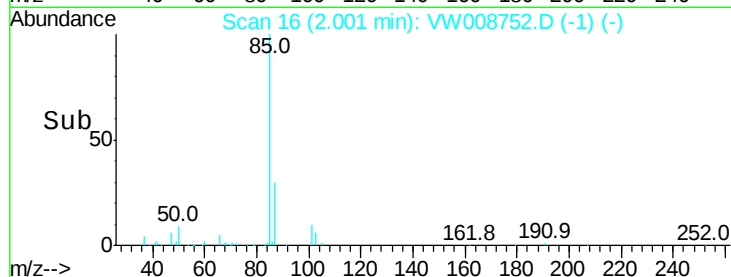
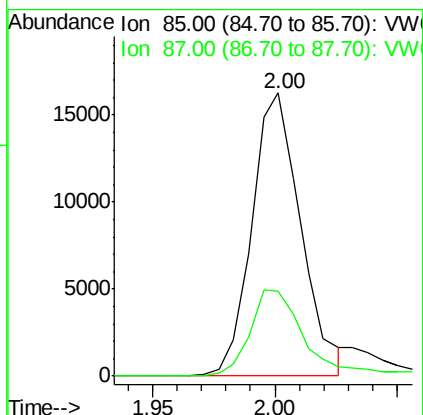
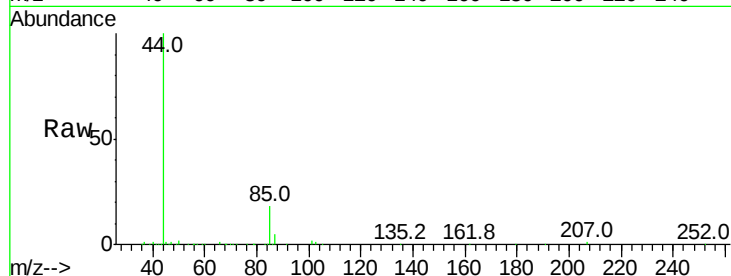
VSTD2.501

Tgt Ion: 85 Resp: 22599

Ion Ratio Lower Upper

85 100

87 33.5 23.2 43.0



#3

Chloromethane

Concen: 5.890 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW008752.D

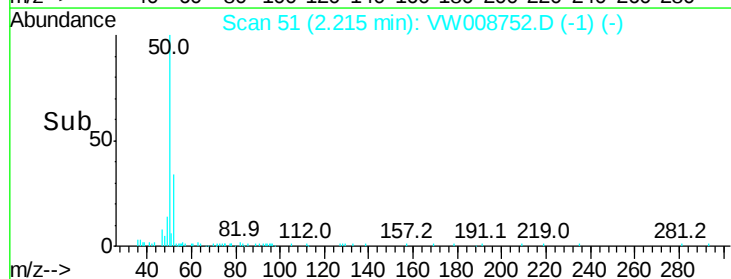
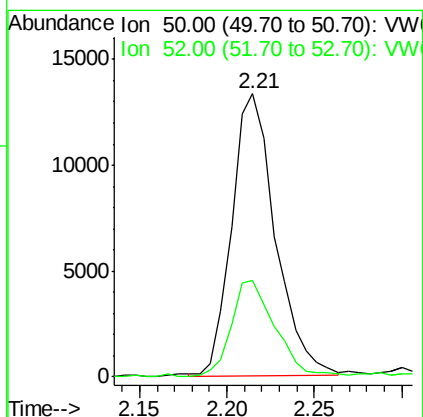
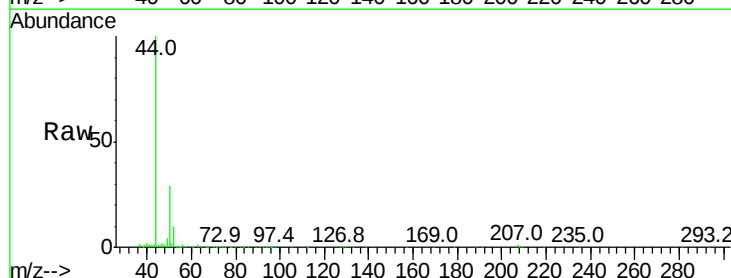
Acq: 20 Feb 2019 11:15

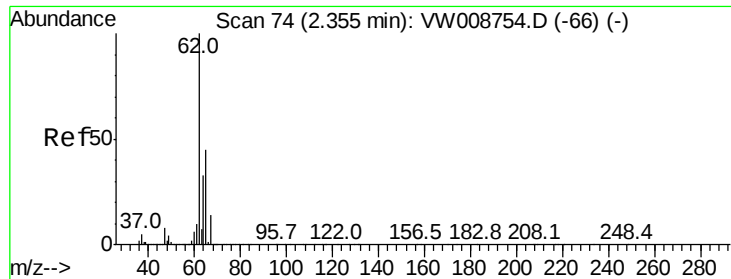
Tgt Ion: 50 Resp: 23173

Ion Ratio Lower Upper

50 100

52 34.1 22.8 42.4





#5

Vinyl chloride

Concen: 4.659 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

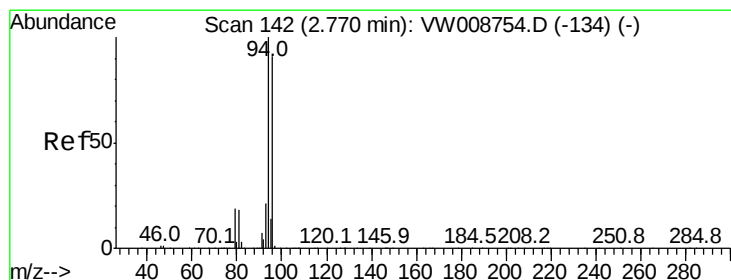
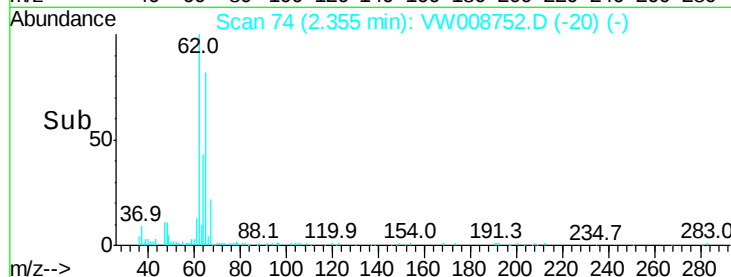
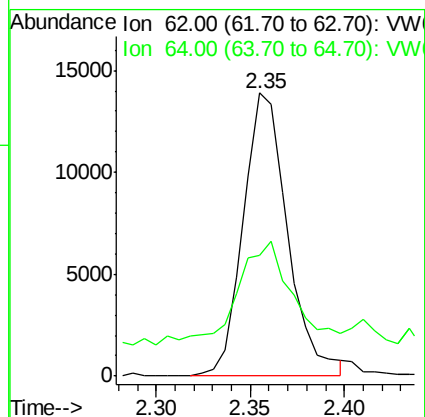
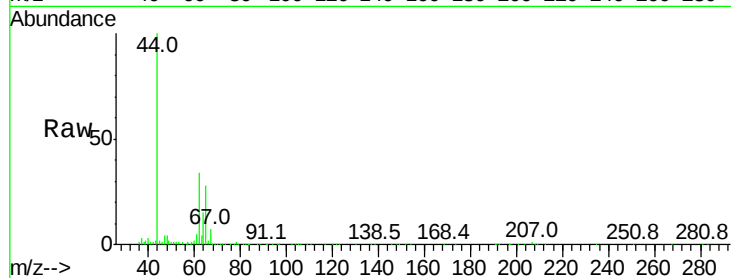
VSTD2.501

Tgt Ion: 62 Resp: 22801

Ion Ratio Lower Upper

62 100

64 42.6 24.8 46.1



#6

Bromomethane

Concen: 5.077 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW008752.D

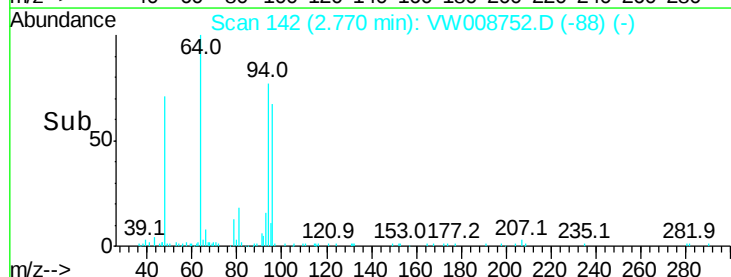
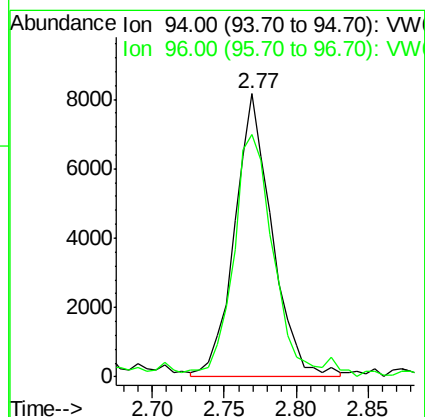
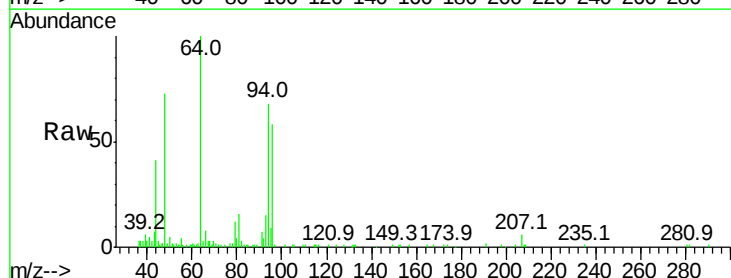
Acq: 20 Feb 2019 11:15

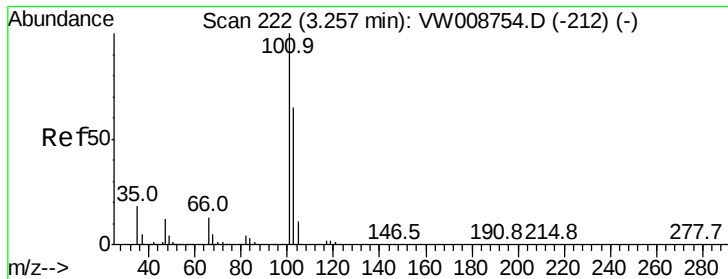
Tgt Ion: 94 Resp: 14740

Ion Ratio Lower Upper

94 100

96 89.1 9.2 175.6



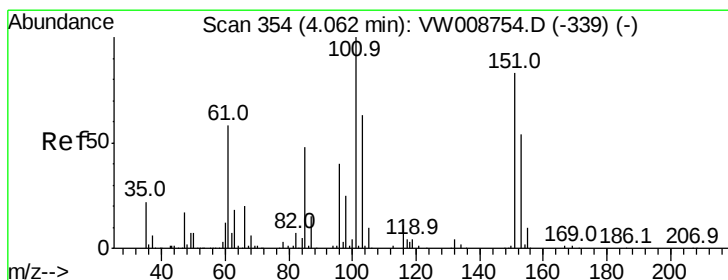
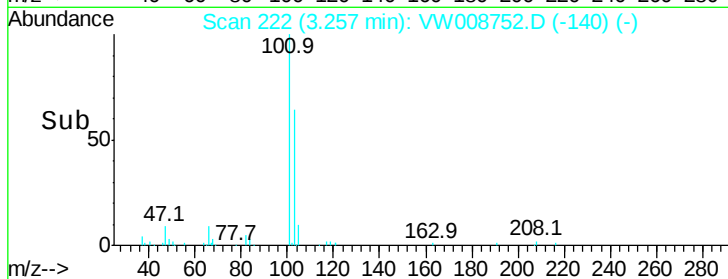
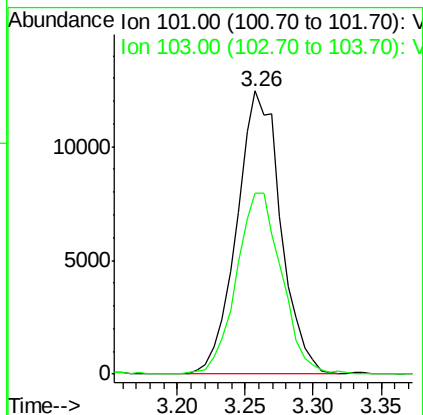
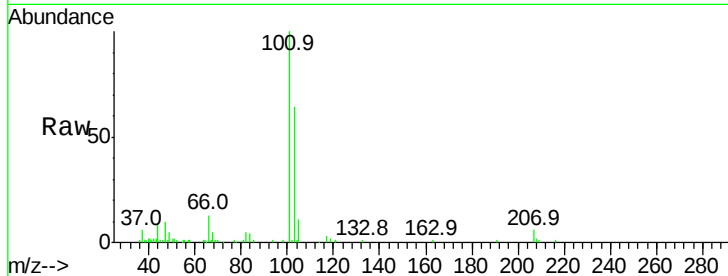


#9

Trichlorofluoromethane
 Concen: 6.672 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.501

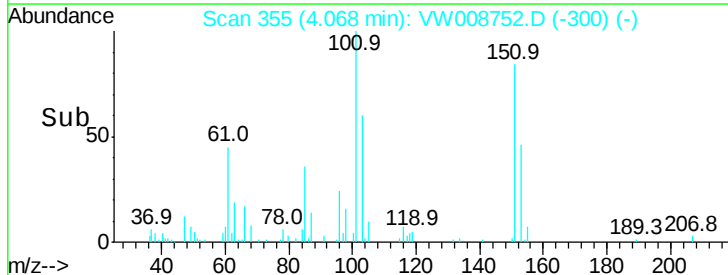
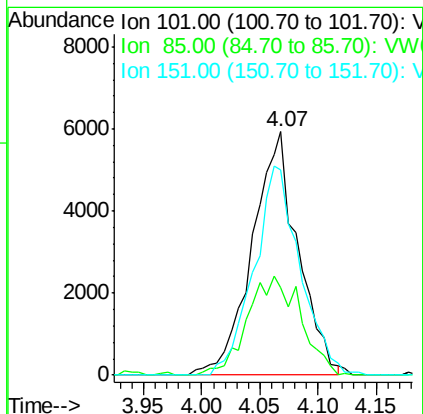
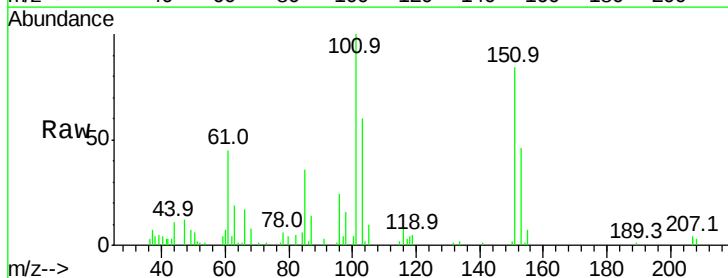
Tgt Ion:101 Resp: 28195
 Ion Ratio Lower Upper
 101 100
 103 65.3 45.3 84.1

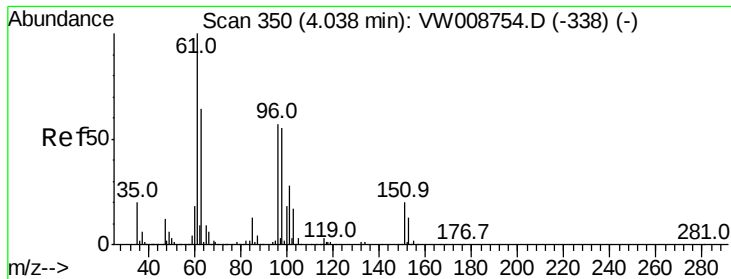


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.829 ug/L
 RT: 4.07 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Tgt Ion:101 Resp: 16176
 Ion Ratio Lower Upper
 101 100
 85 34.8 36.0 54.0#
 151 86.6 63.9 95.9





#12

1,1-Dichloroethene

Concen: 2.782 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

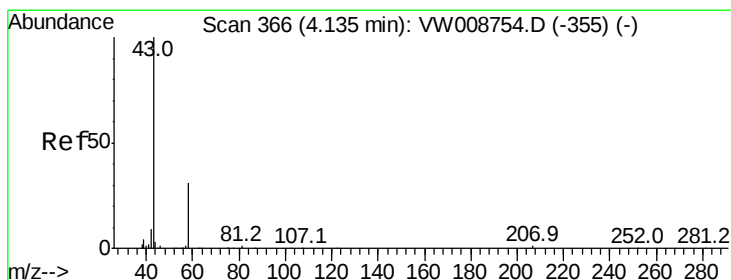
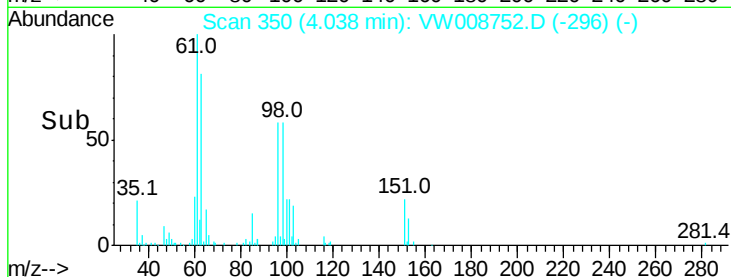
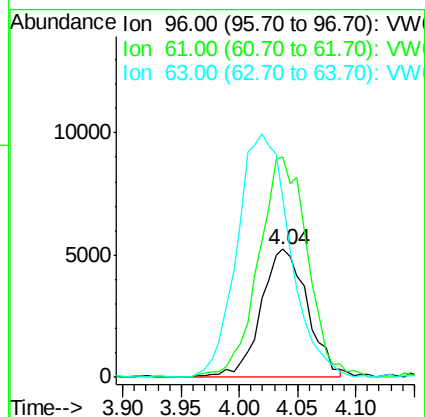
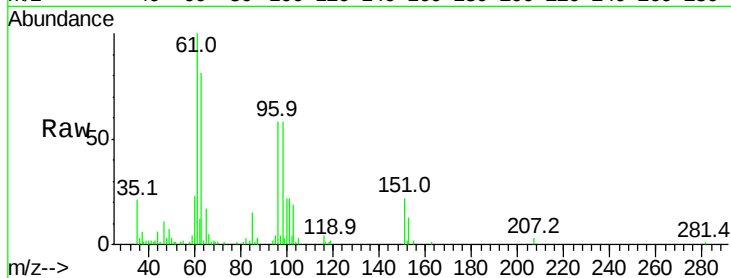
Tgt Ion: 96 Resp: 14565

Ion Ratio Lower Upper

96 100

61 172.6 122.5 227.5

63 140.5 79.4 147.4



#13

Acetone

Concen: 6.456 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW008752.D

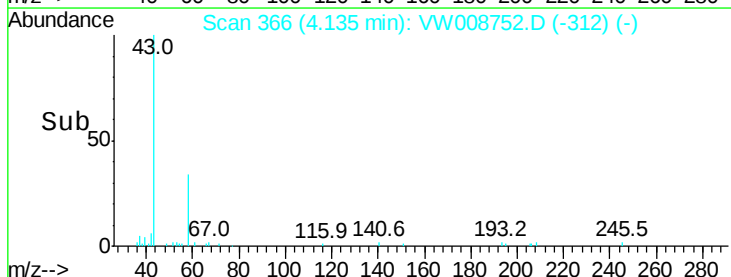
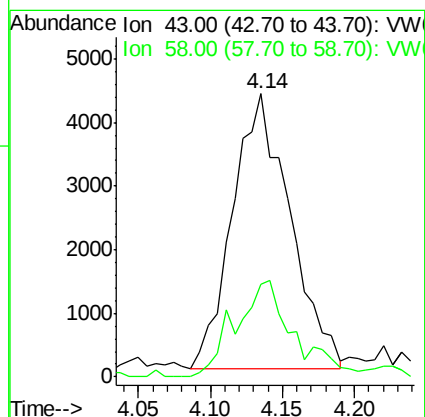
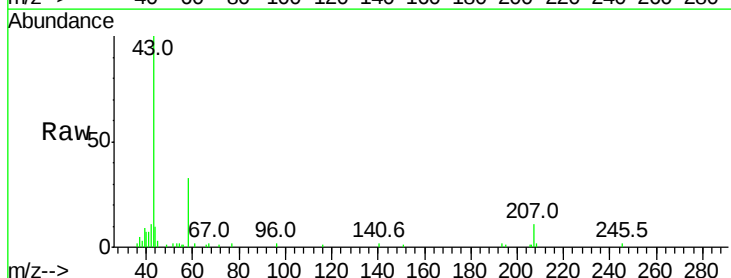
Acq: 20 Feb 2019 11:15

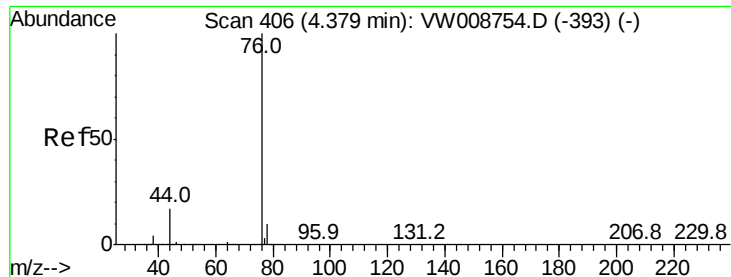
Tgt Ion: 43 Resp: 12007

Ion Ratio Lower Upper

43 100

58 23.3 0.0 59.4





#14

Carbon disulfide

Concen: 2.713 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

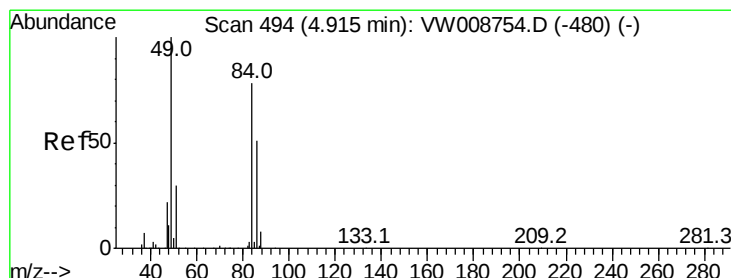
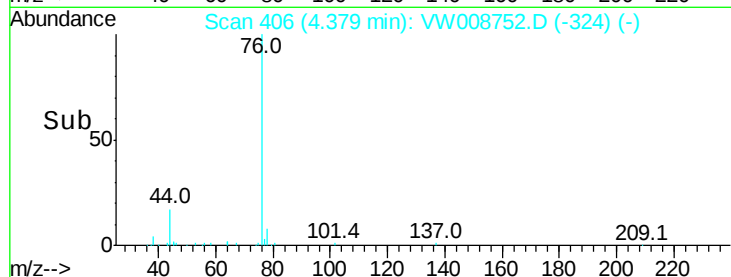
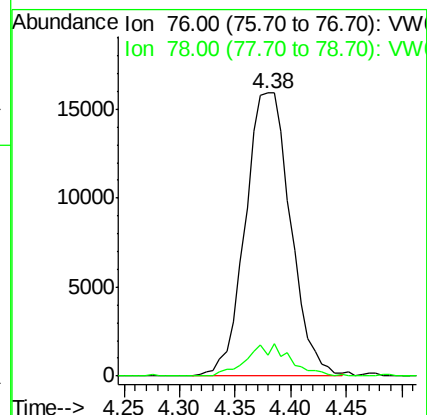
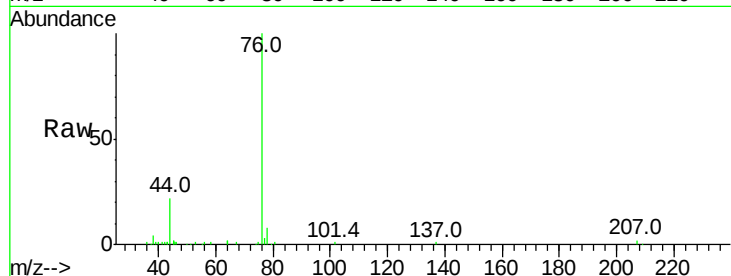
VSTD2.501

Tgt Ion: 76 Resp: 44985

Ion Ratio Lower Upper

76 100

78 7.5 7.8 11.6#



#16

Methylene chloride

Concen: 3.123 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

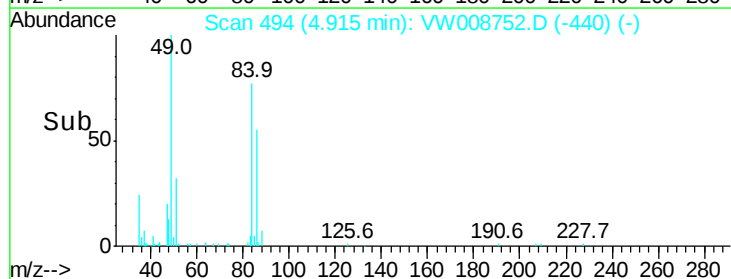
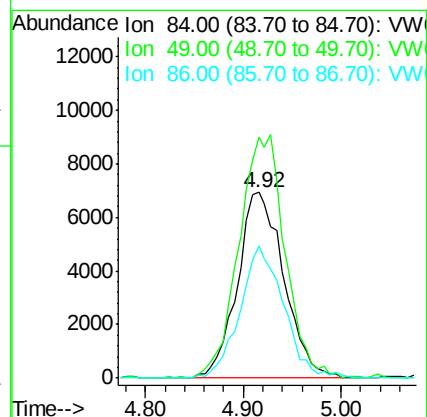
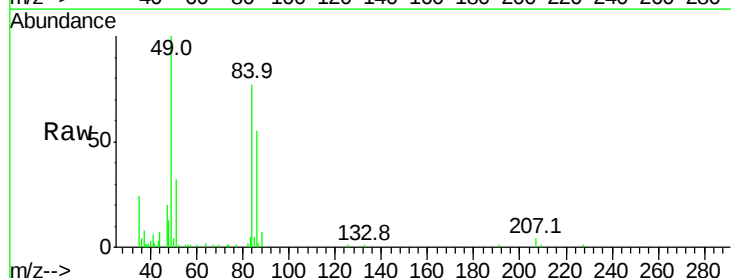
Tgt Ion: 84 Resp: 22889

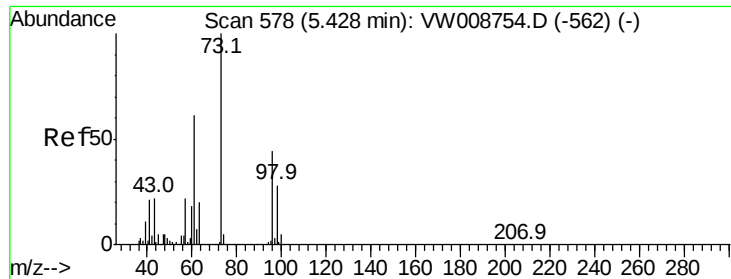
Ion Ratio Lower Upper

84 100

49 129.8 90.2 167.4

86 71.3 46.0 85.4

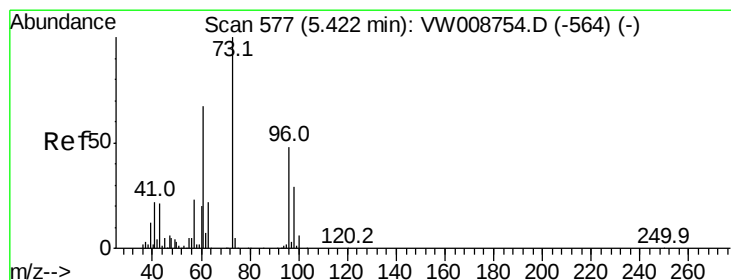
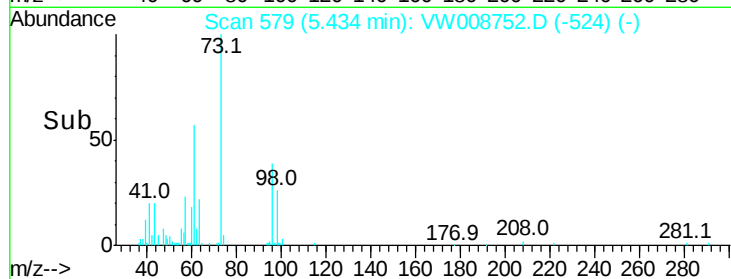
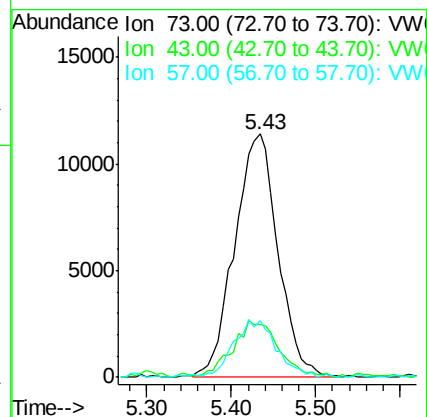
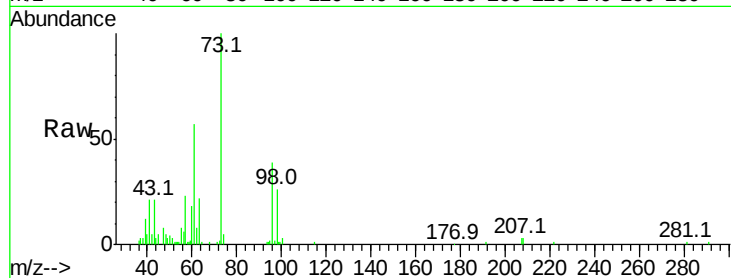




#17
Methyl tert-butyl Ether
Concen: 4.281 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008752.D
Acq: 20 Feb 2019 11:15

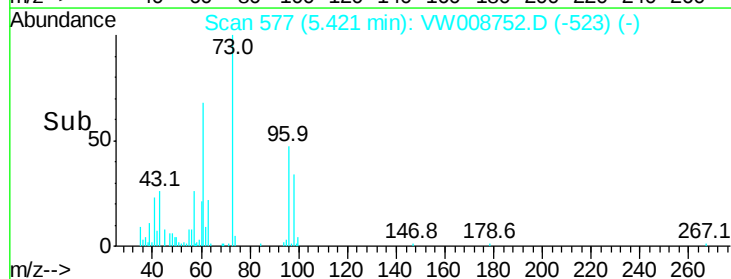
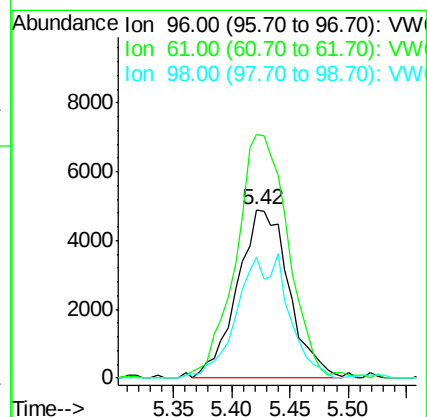
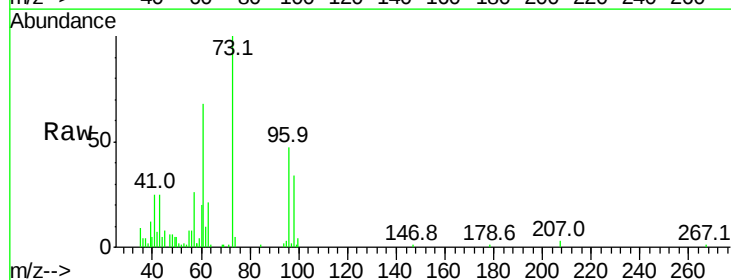
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

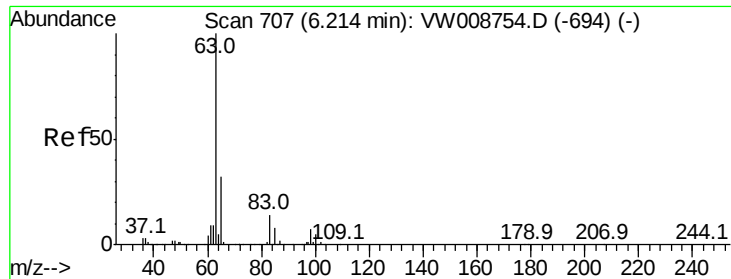
Tgt Ion: 73 Resp: 39839
Ion Ratio Lower Upper
73 100
43 20.2 17.8 26.8
57 23.2 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 2.669 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008752.D
Acq: 20 Feb 2019 11:15

Tgt Ion: 96 Resp: 15161
Ion Ratio Lower Upper
96 100
61 144.7 97.9 181.7
98 71.9 42.6 79.0

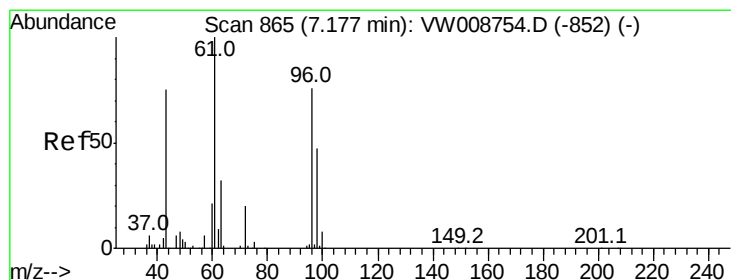
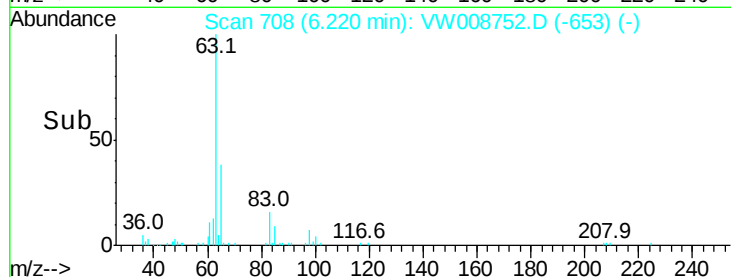
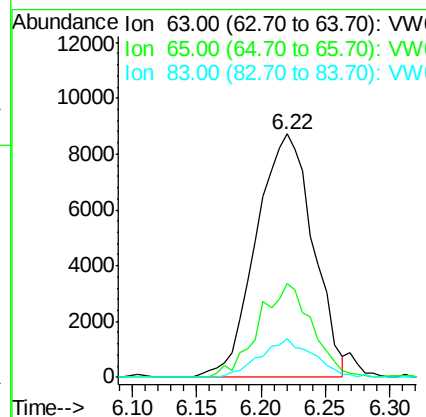
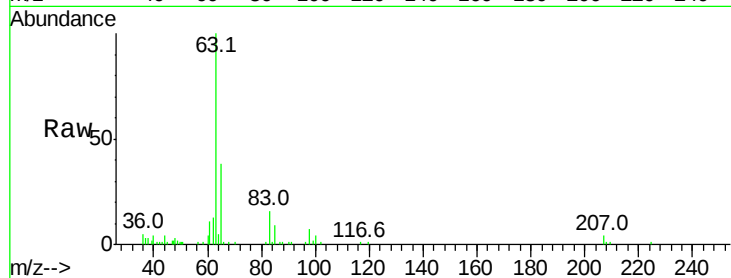




#19
 1,1-Dichloroethane
 Concen: 2.825 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

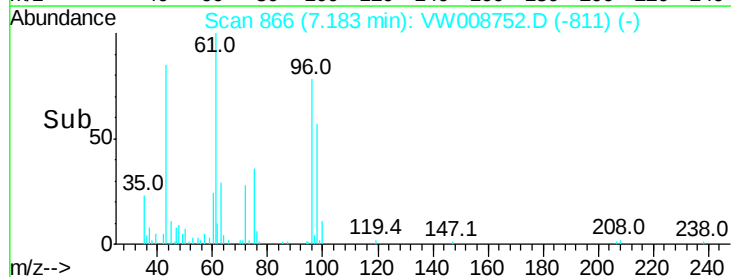
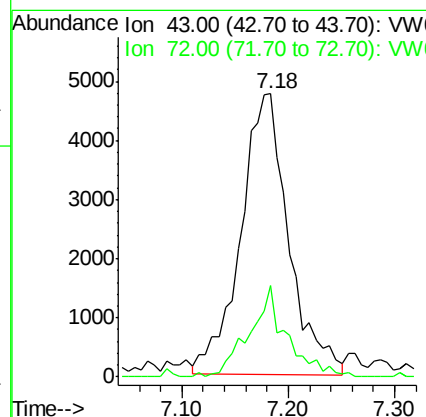
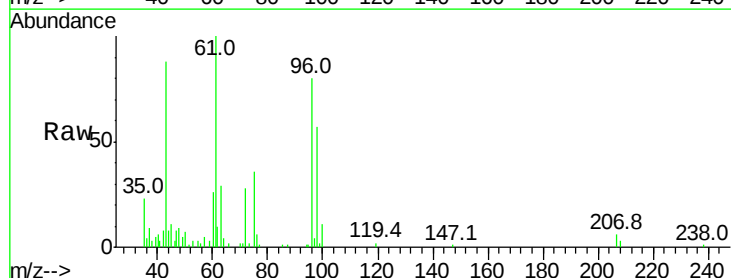
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

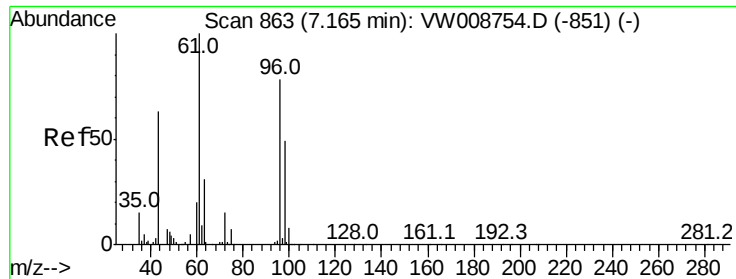
Tgt Ion: 63 Resp: 26690
 Ion Ratio Lower Upper
 63 100
 65 38.4 22.7 42.1
 83 16.0 9.7 17.9



#21
 2-Butanone
 Concen: 7.080 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Tgt Ion: 43 Resp: 14984
 Ion Ratio Lower Upper
 43 100
 72 17.3 12.7 38.1



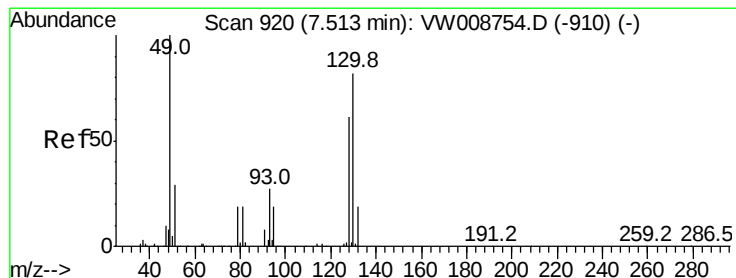
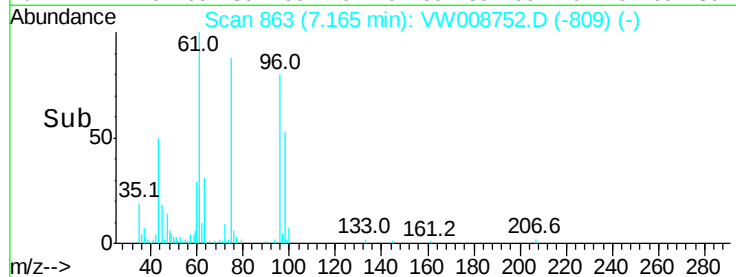
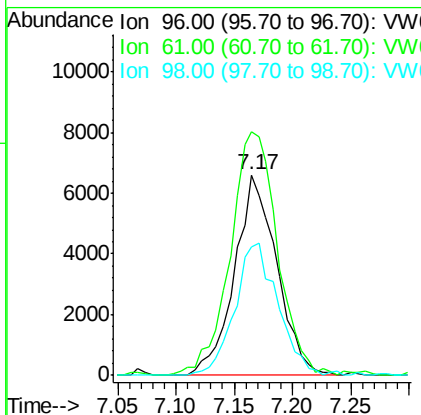
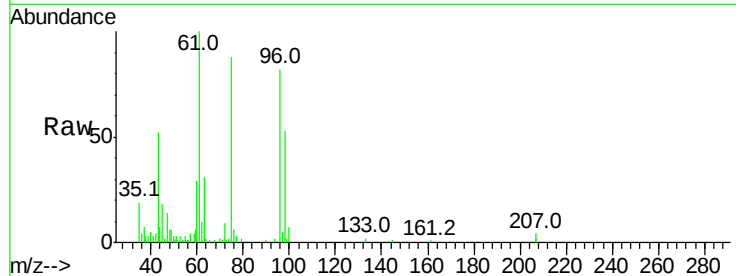


#22

cis-1,2-Dichloroethene
 Concen: 2.738 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.501

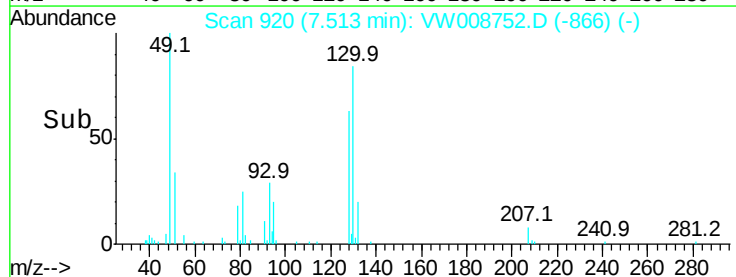
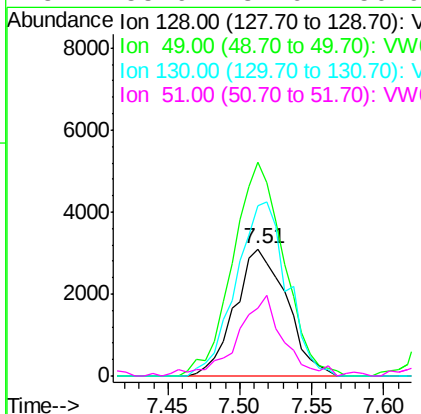
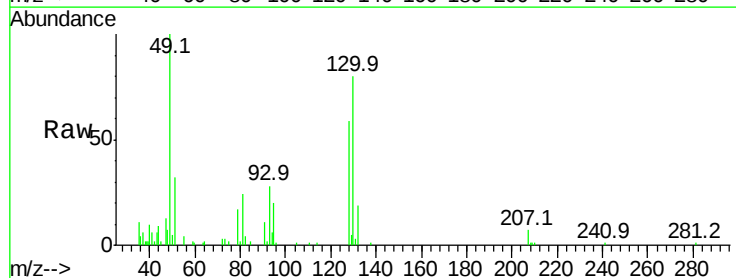
Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.6	90.4	168.0
98	64.4	44.0	81.6

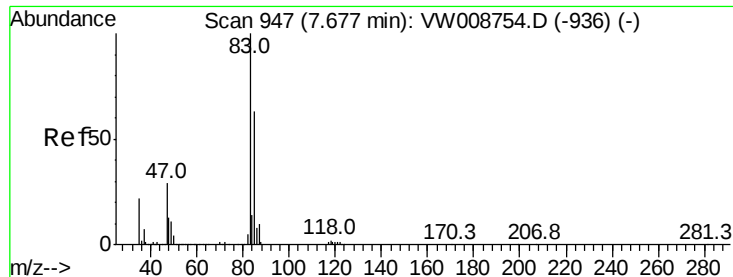


#23

Bromochloromethane
 Concen: 2.824 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.3	115.6	214.8
130	134.5	94.6	175.8
51	53.6	37.9	56.9





#25

Chloroform

Concen: 2.652 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

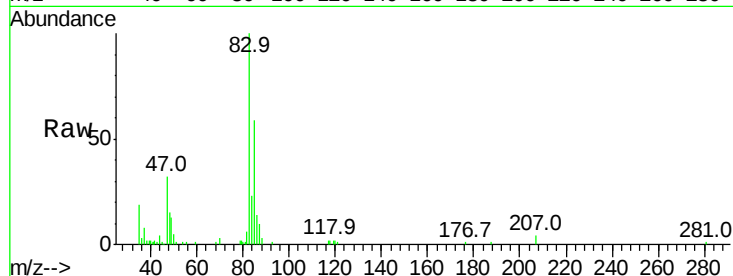
VSTD2.501

Tgt Ion: 83 Resp: 28221

Ion Ratio Lower Upper

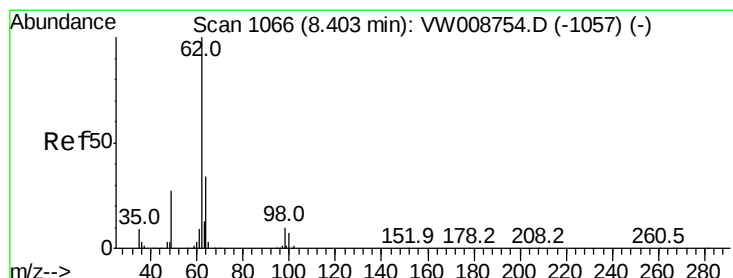
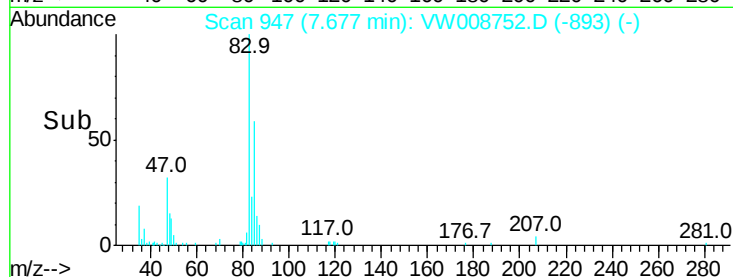
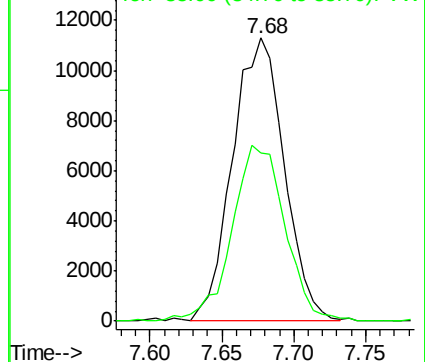
83 100

85 63.8 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 2.698 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW008752.D

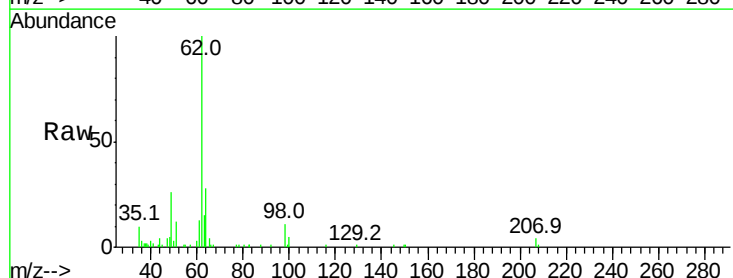
Acq: 20 Feb 2019 11:15

Tgt Ion: 62 Resp: 21061

Ion Ratio Lower Upper

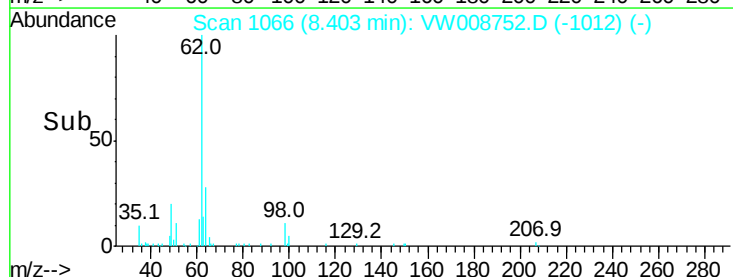
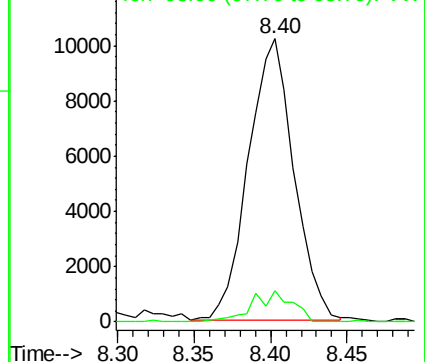
62 100

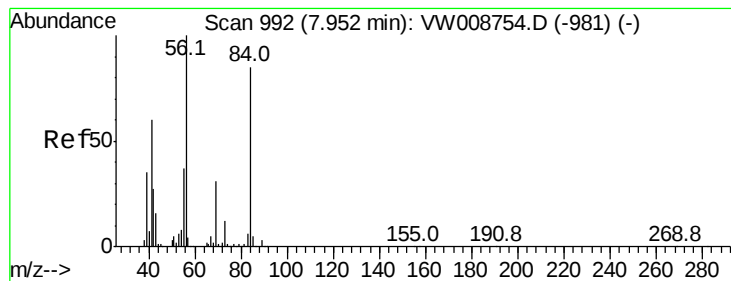
98 10.9 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 2.567 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

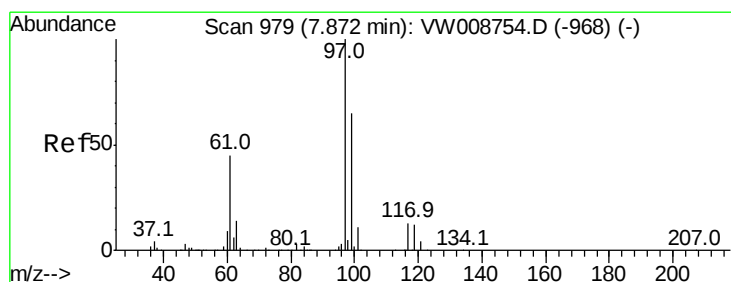
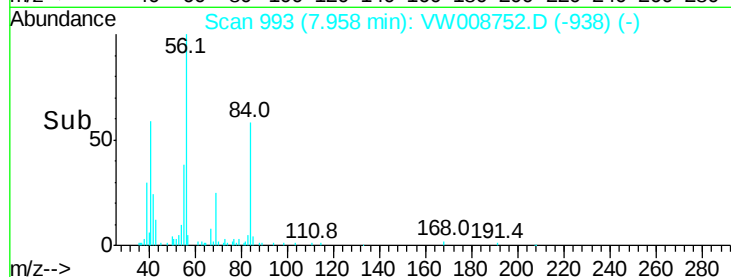
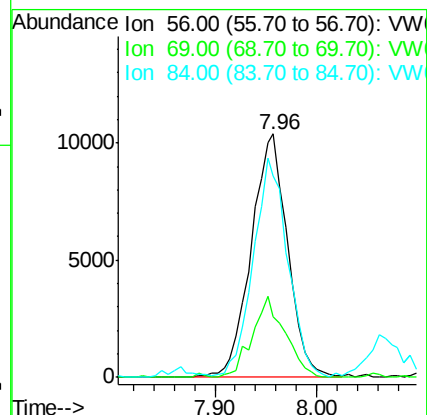
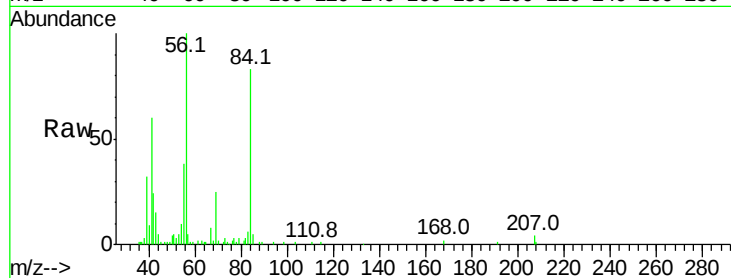
Tgt Ion: 56 Resp: 25785

Ion Ratio Lower Upper

56 100

69 29.4 24.1 36.1

84 85.7 71.7 107.5



#31

1,1,1-Trichloroethane

Concen: 2.421 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

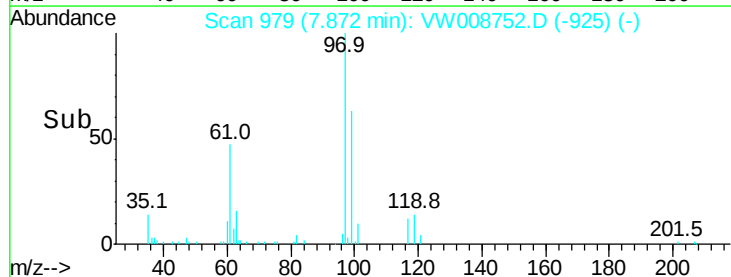
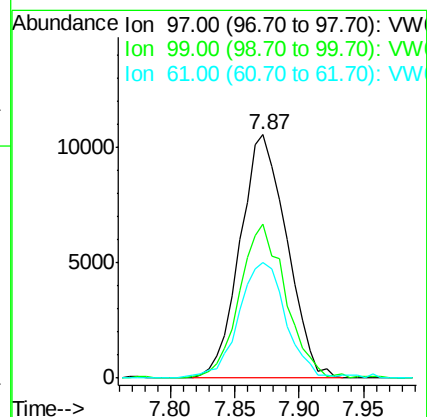
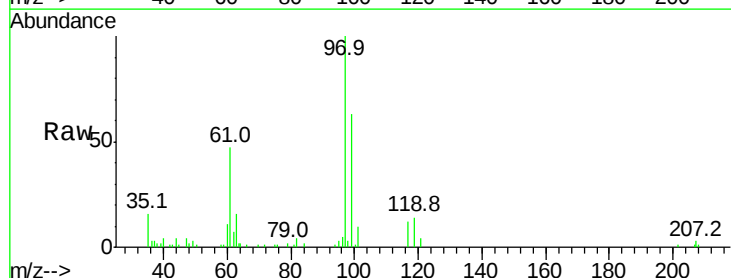
Tgt Ion: 97 Resp: 26511

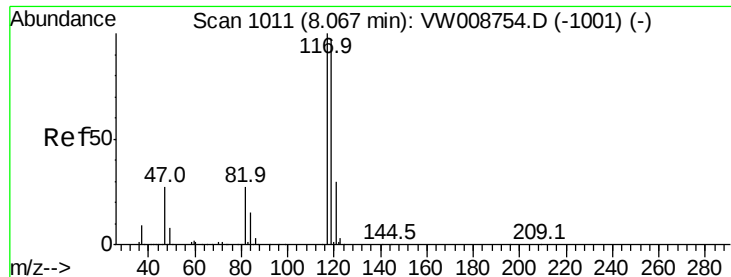
Ion Ratio Lower Upper

97 100

99 62.1 51.4 77.2

61 47.6 36.6 55.0





#32

Carbon tetrachloride

Concen: 2.270 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

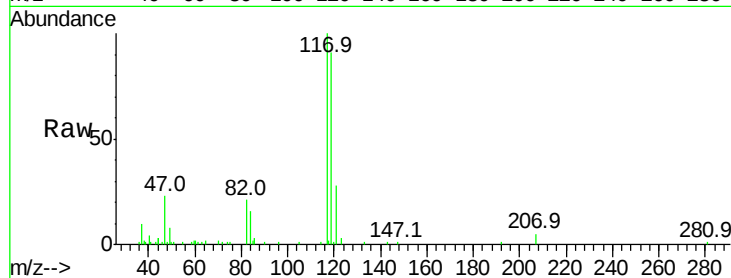
VSTD2.501

Tgt Ion:117 Resp: 23865

Ion Ratio Lower Upper

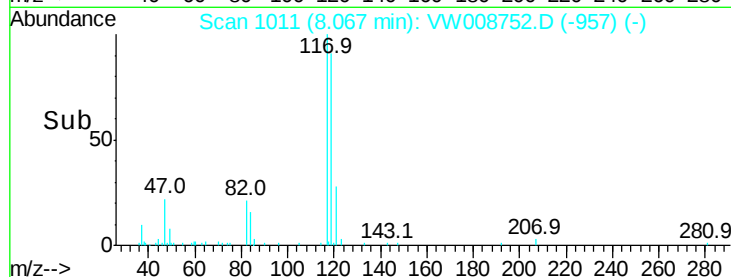
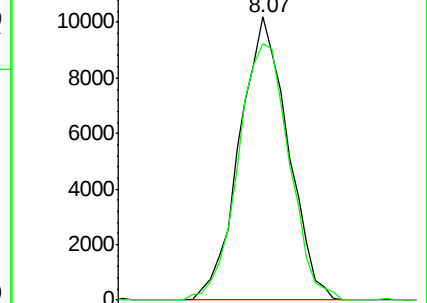
117 100

119 95.2 76.0 114.0

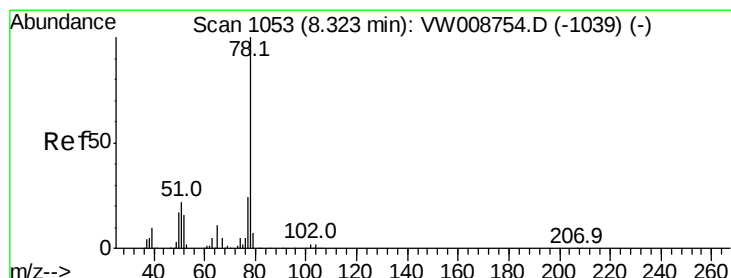


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 2.483 ug/L

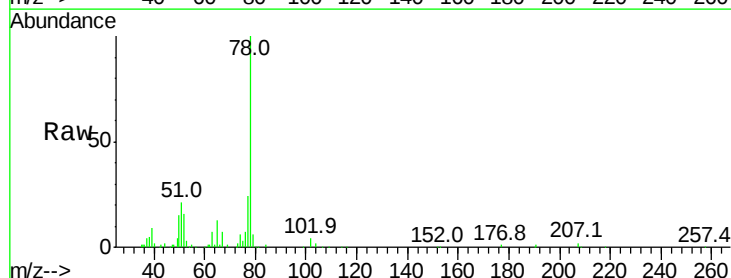
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

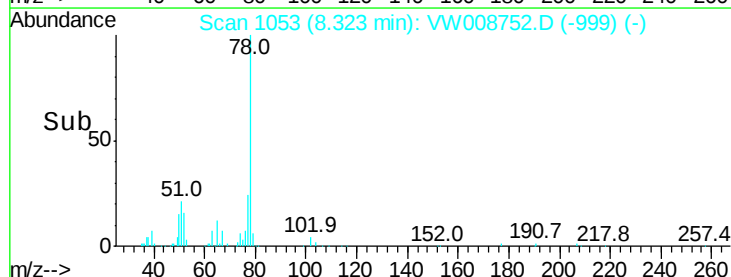
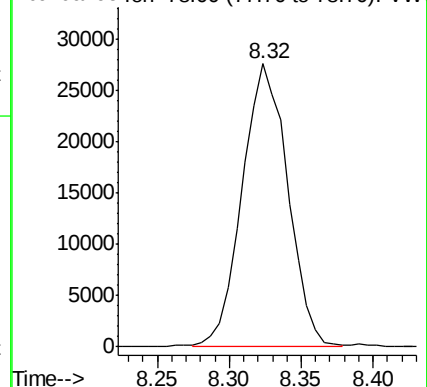
Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

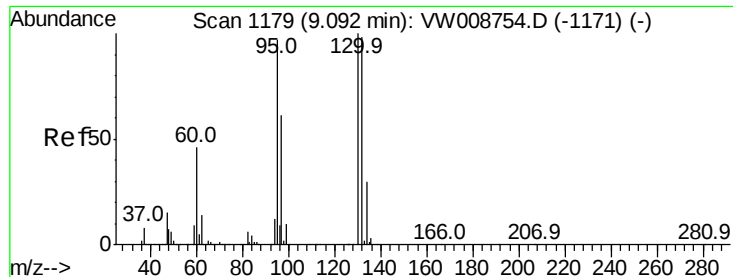
Tgt Ion: 78 Resp: 60674



Abundance Ion 78.00 (77.70 to 78.70): VW



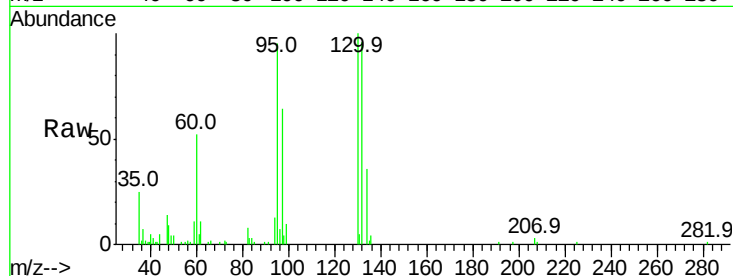
Time-->



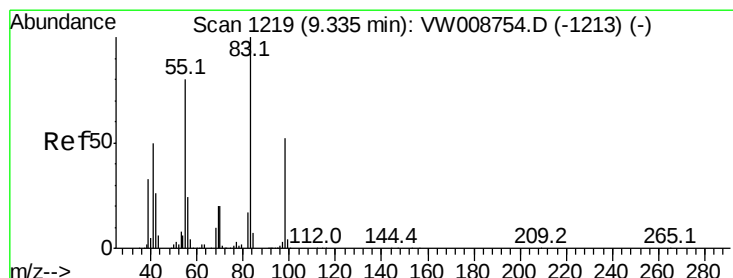
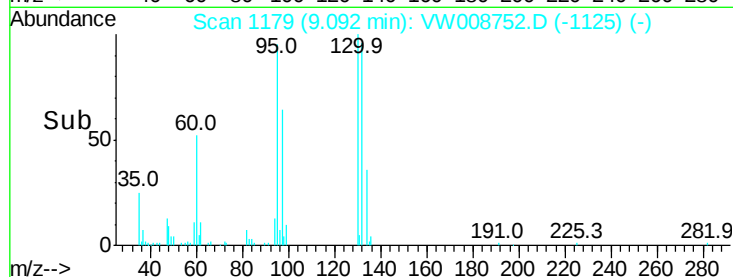
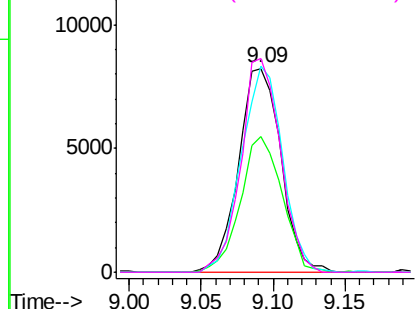
#35
 Trichloroethene
 Concen: 2.373 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion:	95	Resp:	16846
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.4	84.2
132	97.8	70.8	131.4
130	97.7	72.5	134.7

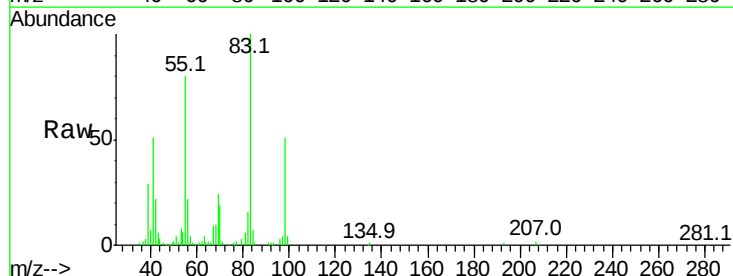


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

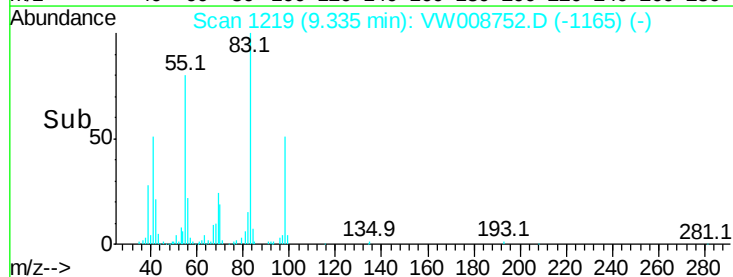
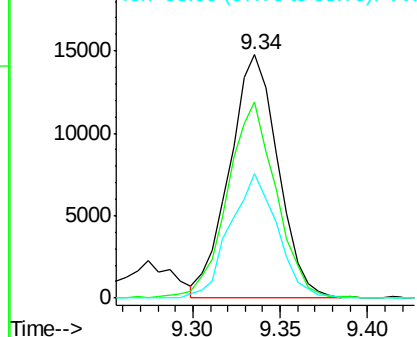


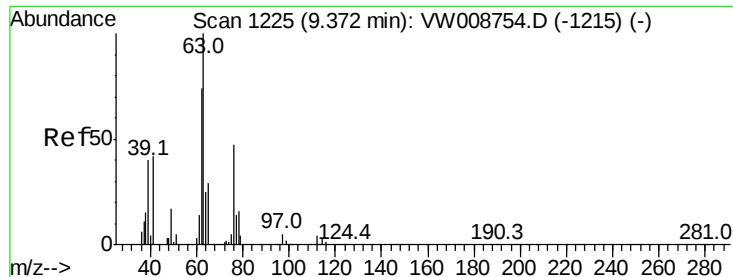
#36
 Methylcyclohexane
 Concen: 2.341 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Tgt Ion:	83	Resp:	28498
Ion	Ratio	Lower	Upper
83	100		
55	80.4	62.3	93.5
98	49.7	40.4	60.6



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





#40

1,2-Dichloropropane

Concen: 2.591 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

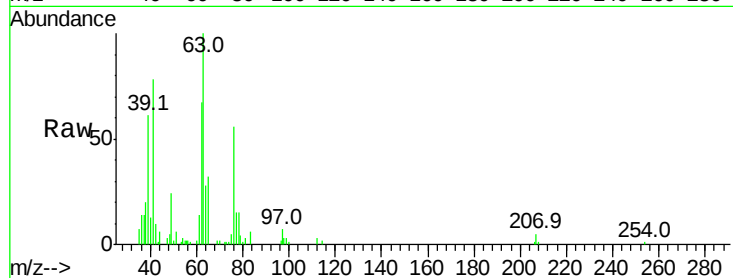
VSTD2.501

Tgt Ion: 63 Resp: 14880

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

8000

6000

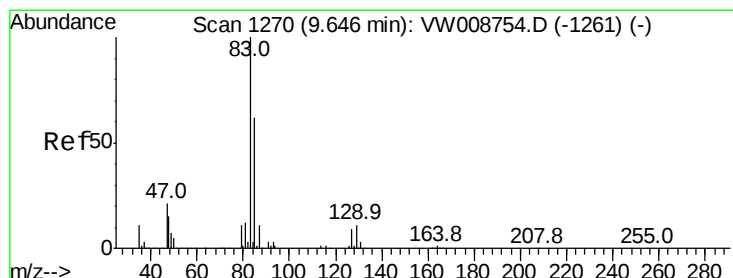
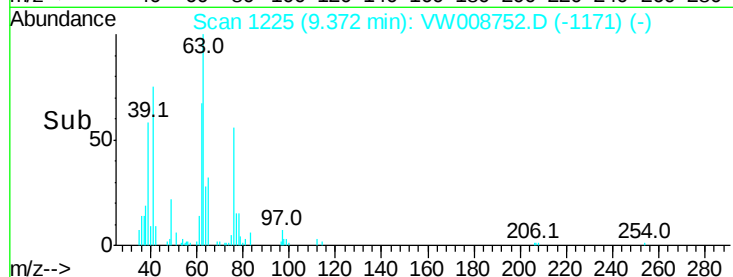
4000

2000

0

9.30 9.35 9.40

Time-->



#41

Bromodichloromethane

Concen: 2.407 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

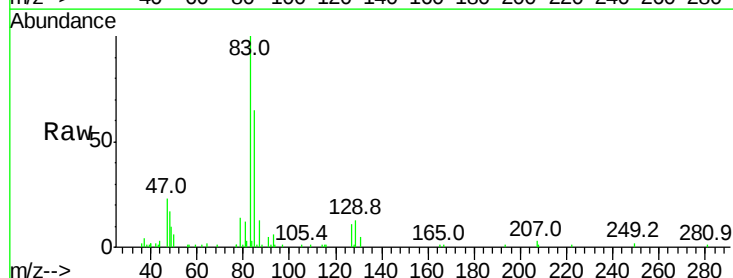
Tgt Ion: 83 Resp: 20337

Ion Ratio Lower Upper

83 100

85 64.5 43.6 81.0

127 10.9 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

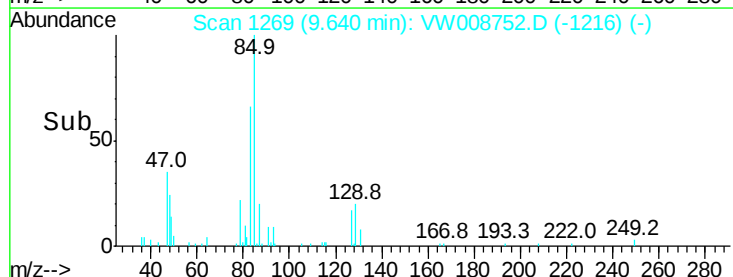
10000

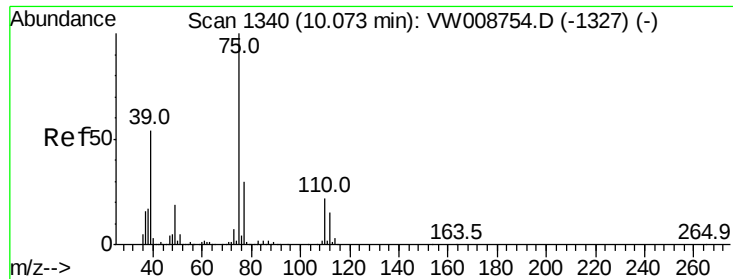
5000

0

9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 2.335 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

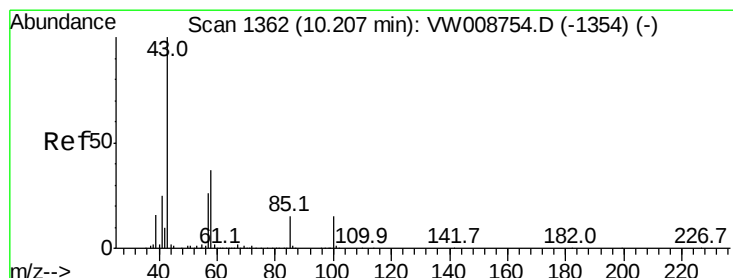
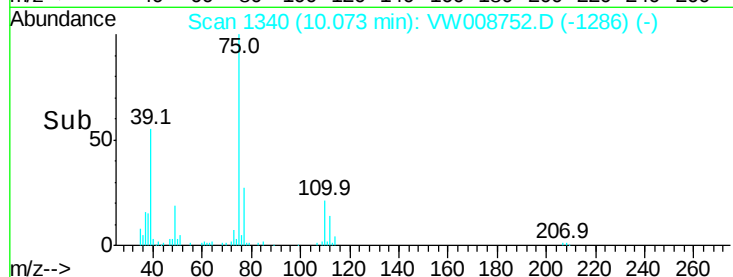
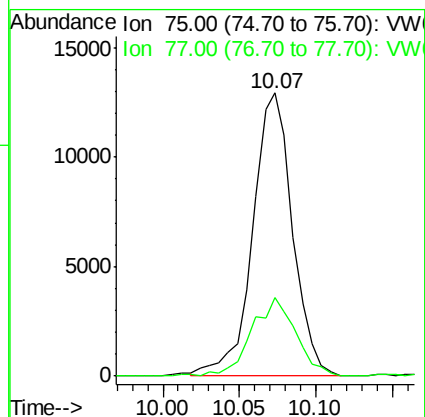
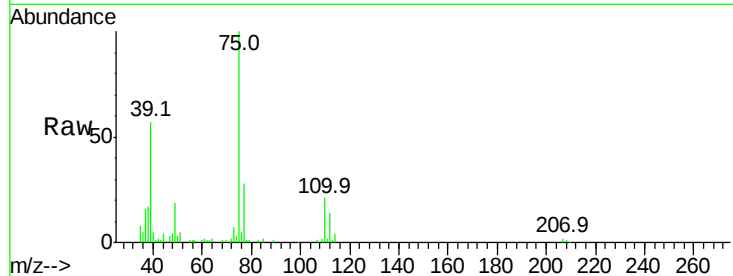
VSTD2.501

Tgt Ion: 75 Resp: 23408

Ion Ratio Lower Upper

75 100

77 27.8 20.8 38.6



#43

4-Methyl-2-pentanone

Concen: 5.649 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

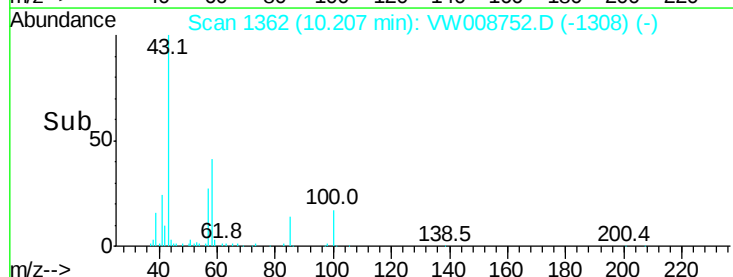
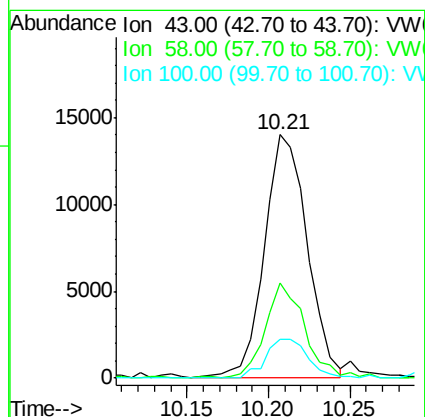
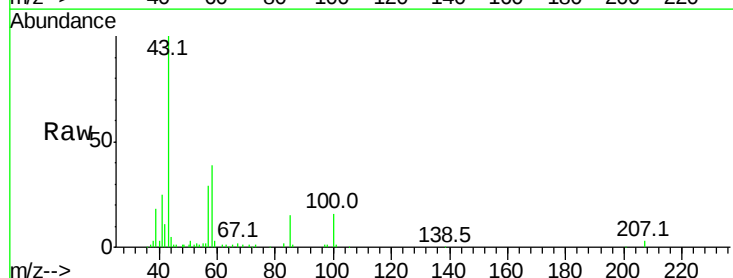
Tgt Ion: 43 Resp: 25681

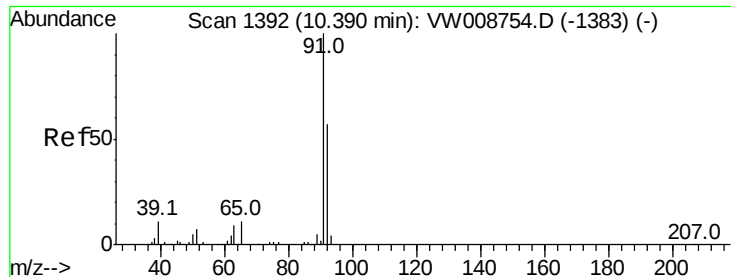
Ion Ratio Lower Upper

43 100

58 35.1 29.4 44.0

100 15.8 12.1 18.1





#44

Toluene

Concen: 2.518 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

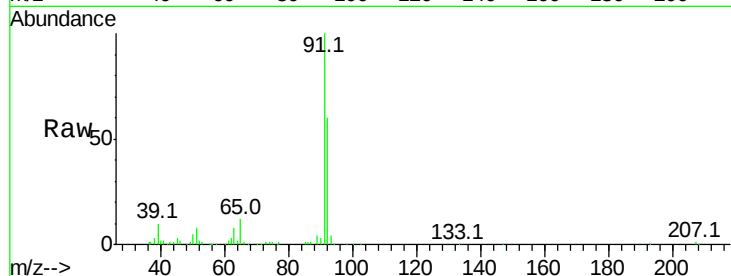
VSTD2.501

Tgt Ion: 91 Resp: 68834

Ion Ratio Lower Upper

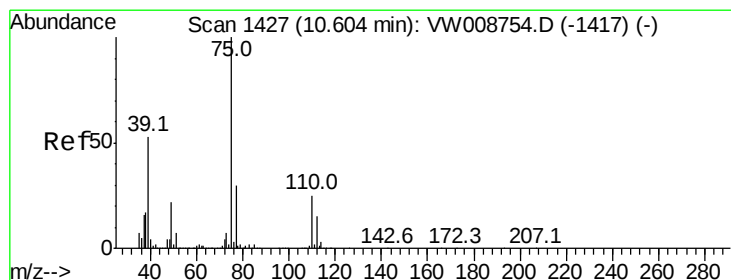
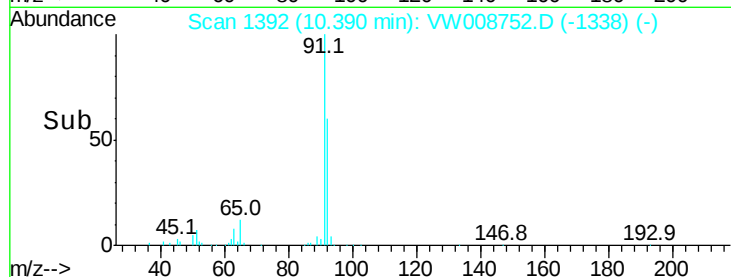
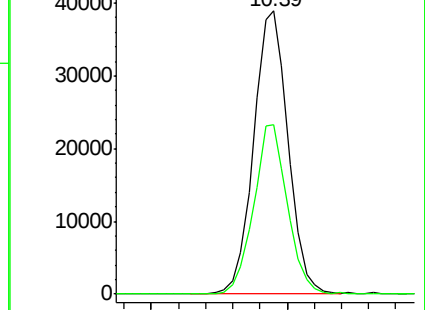
91 100

92 59.8 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 2.281 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008752.D

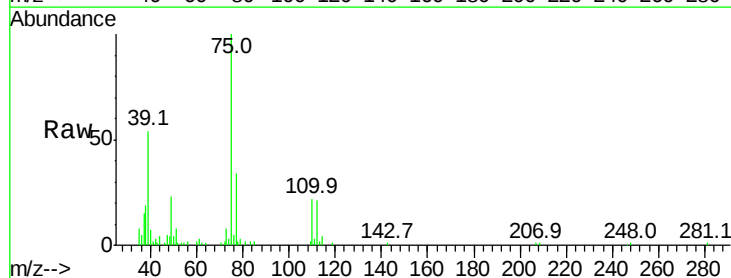
Acq: 20 Feb 2019 11:15

Tgt Ion: 75 Resp: 21078

Ion Ratio Lower Upper

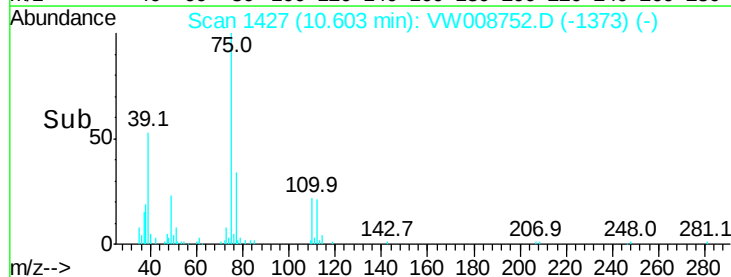
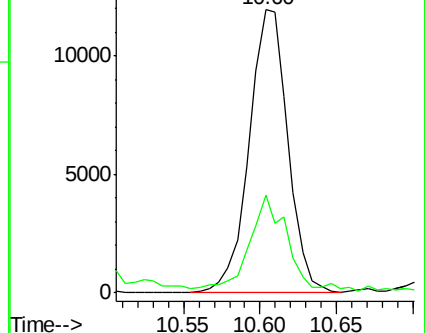
75 100

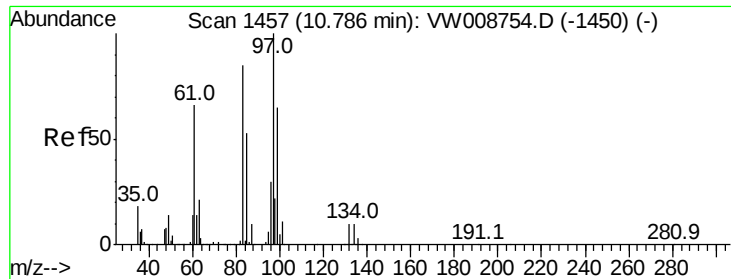
77 34.5 21.1 39.3



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: 2.596 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 97 Resp: 12615

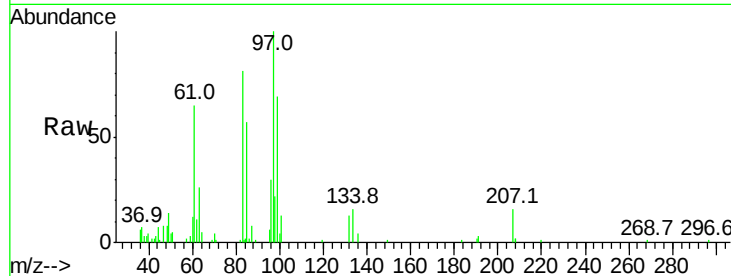
Ion Ratio Lower Upper

97 100

83 81.4 59.5 110.5

85 57.0 37.2 69.0

99 69.1 45.6 84.8

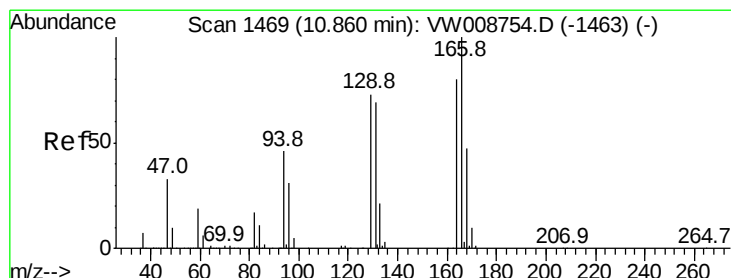
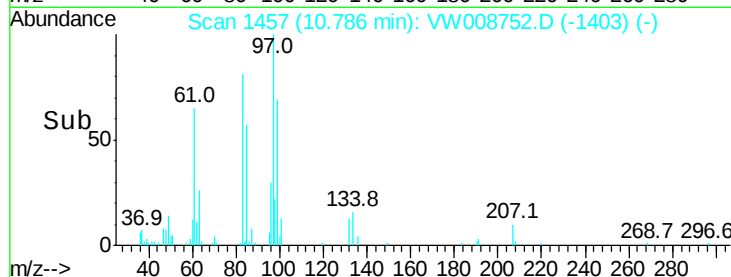
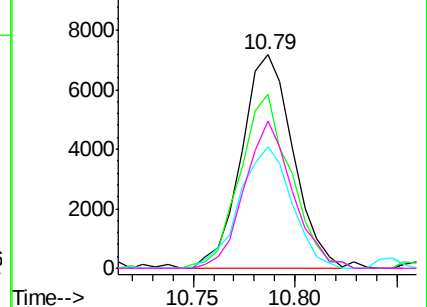


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.615 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Tgt Ion: 164 Resp: 14752

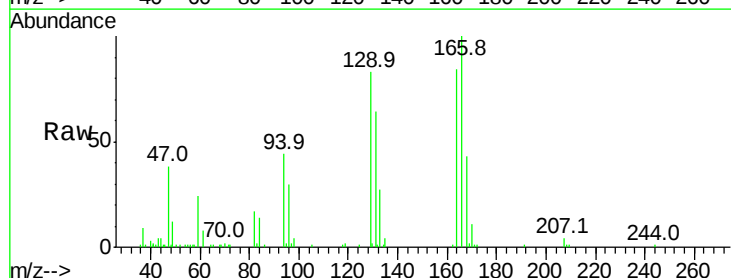
Ion Ratio Lower Upper

164 100

129 97.9 64.5 119.9

131 76.0 60.9 113.1

166 118.4 87.9 163.3

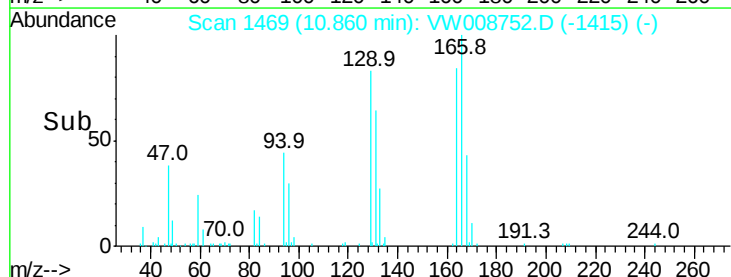
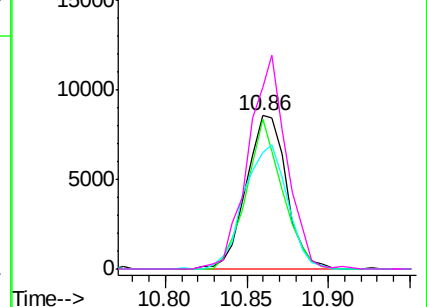


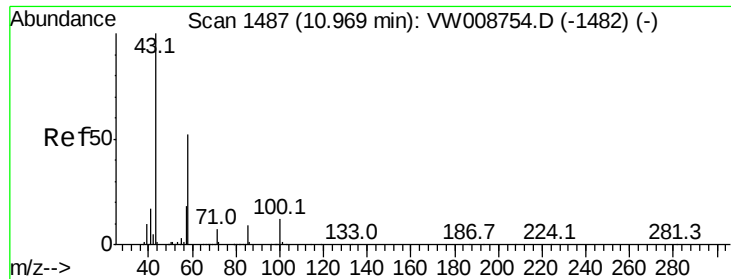
Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.797 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 43 Resp: 19014

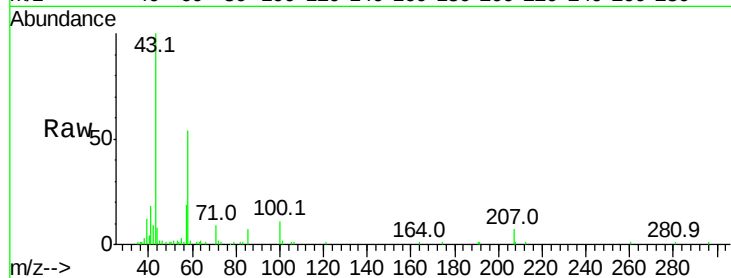
Ion Ratio Lower Upper

43 100

58 51.2 42.1 63.1

57 19.4 14.9 22.3

100 12.8 9.8 14.8

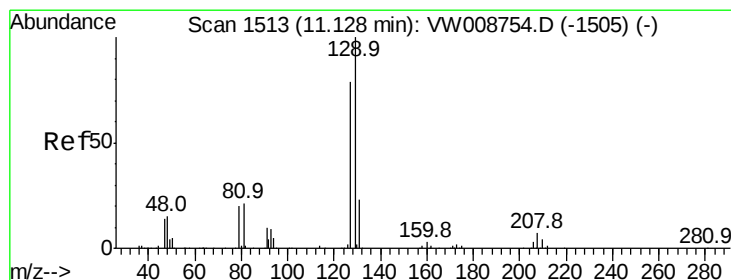
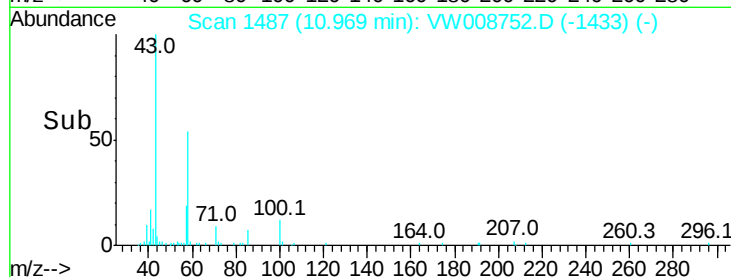
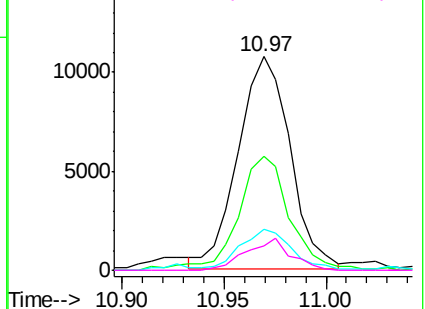


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 2.314 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008752.D

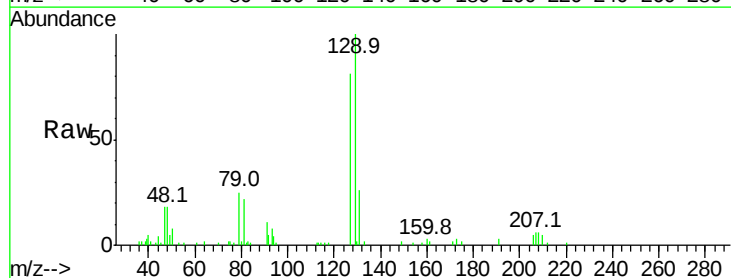
Acq: 20 Feb 2019 11:15

Tgt Ion: 129 Resp: 14324

Ion Ratio Lower Upper

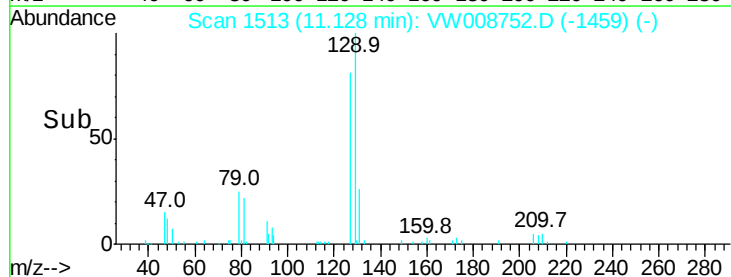
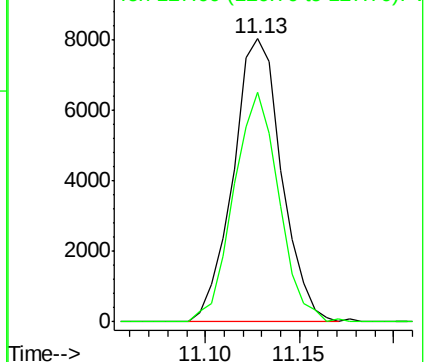
129 100

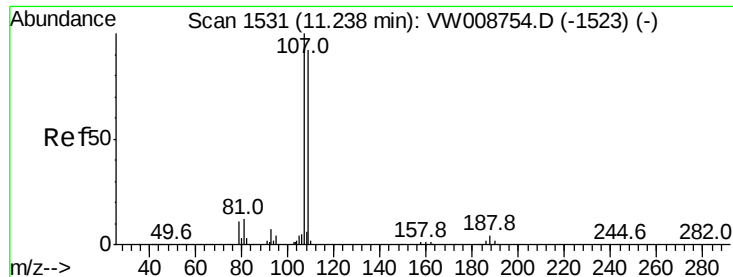
127 80.9 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

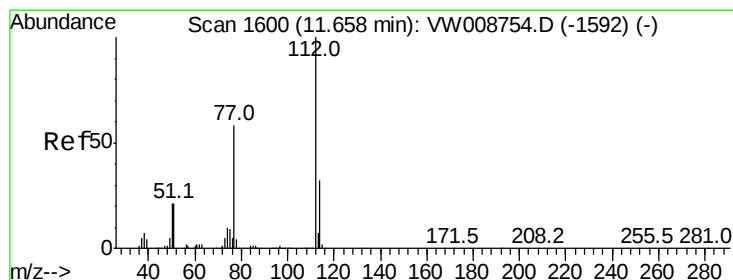
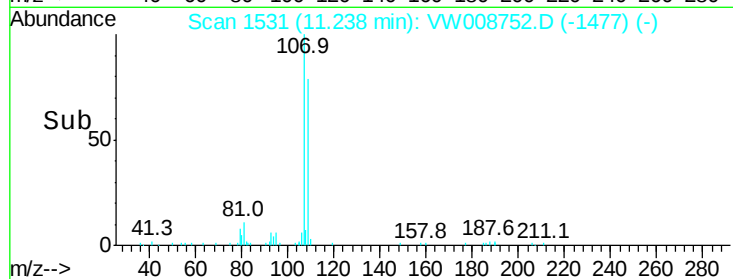
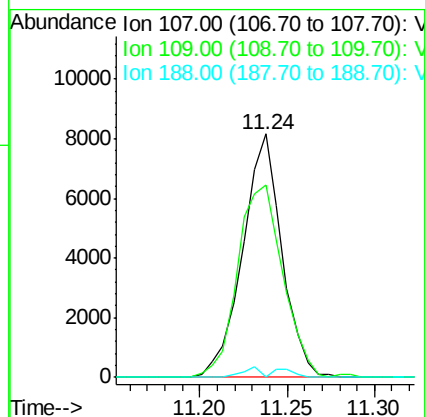
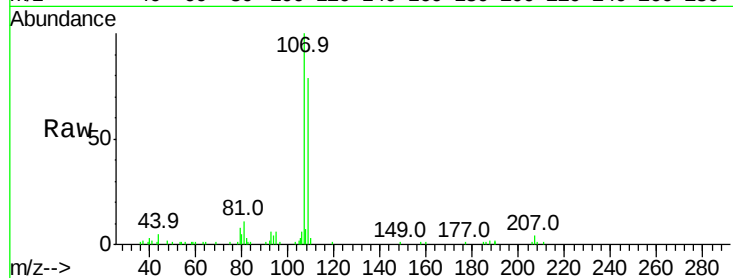




#51
 1,2-Dibromoethane
 Concen: 2.563 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

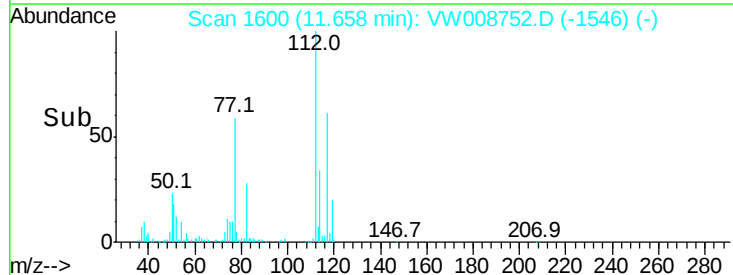
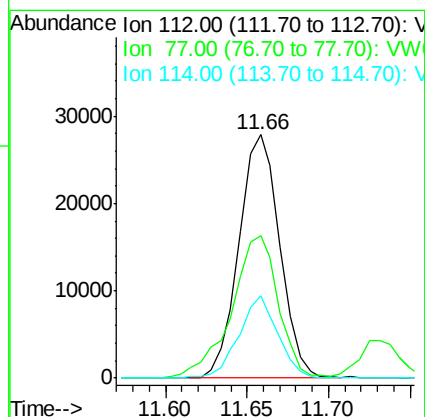
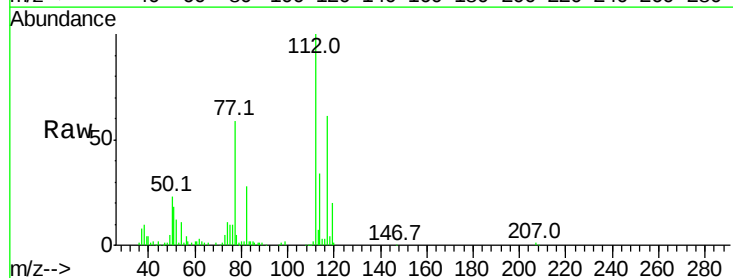
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

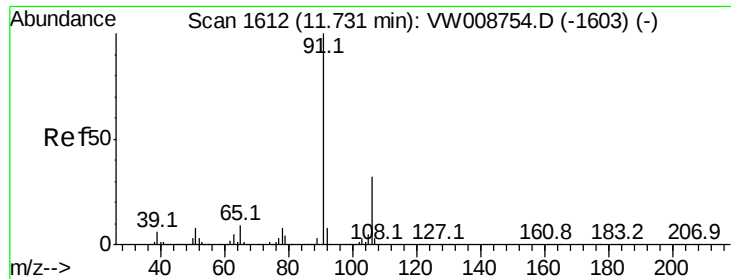
Tgt Ion:107 Resp: 12713
 Ion Ratio Lower Upper
 107 100
 109 79.3 64.4 119.6
 188 0.0 3.1 4.7#



#52
 Chlorobenzene
 Concen: 2.727 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Tgt Ion:112 Resp: 48533
 Ion Ratio Lower Upper
 112 100
 77 58.5 47.0 70.4
 114 33.7 22.3 41.5





#53

Ethylbenzene

Concen: 2.537 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

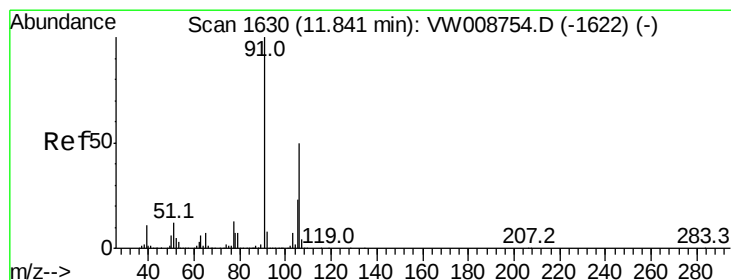
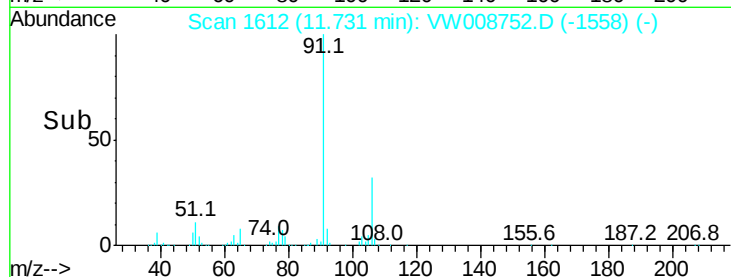
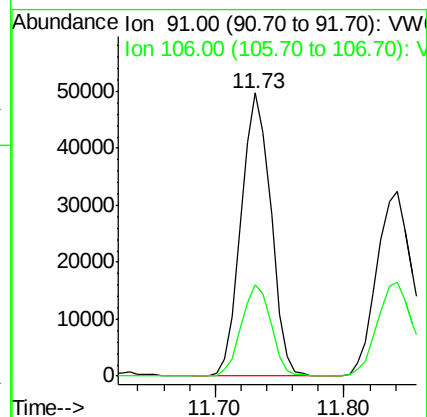
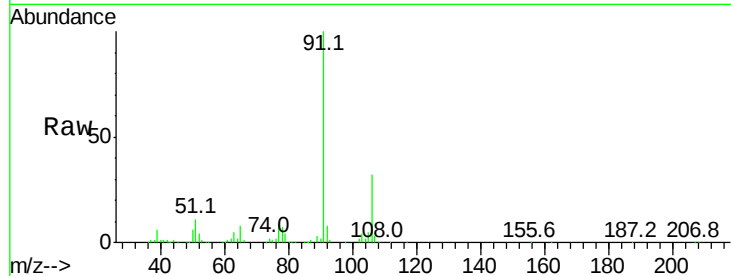
VSTD2.501

Tgt Ion: 91 Resp: 79693

Ion Ratio Lower Upper

91 100

106 32.1 22.0 41.0



#54

m,p-Xylene

Concen: 2.661 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008752.D

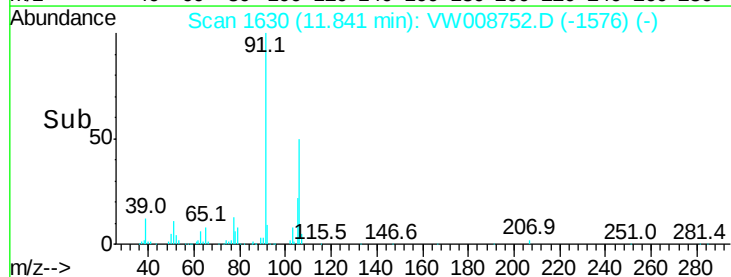
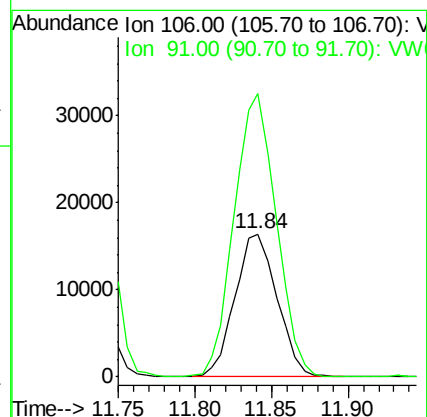
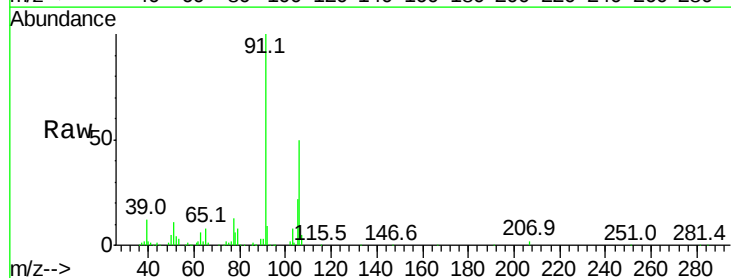
Acq: 20 Feb 2019 11:15

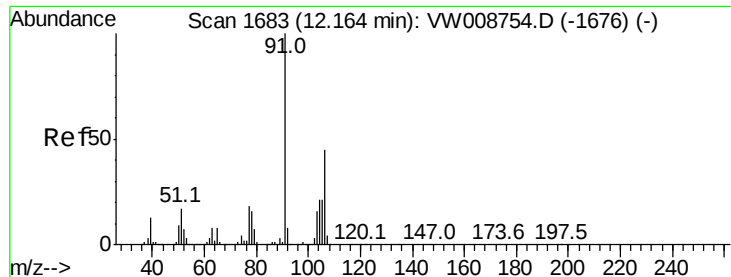
Tgt Ion: 106 Resp: 31492

Ion Ratio Lower Upper

106 100

91 198.4 140.1 260.3





#55

o-xylene

Concen: 2.693 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

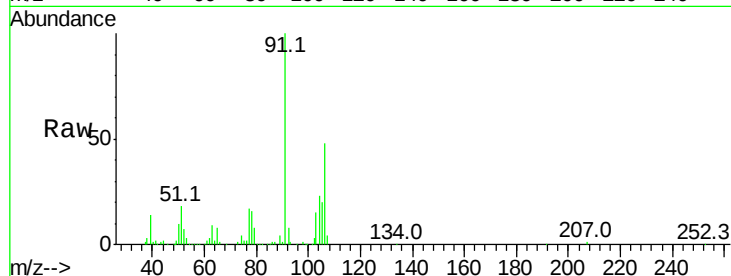
VSTD2.501

Tgt Ion:106 Resp: 30227

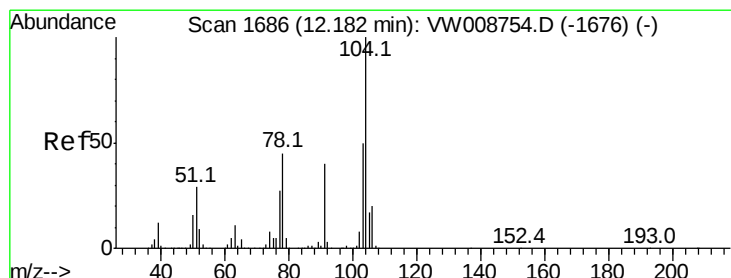
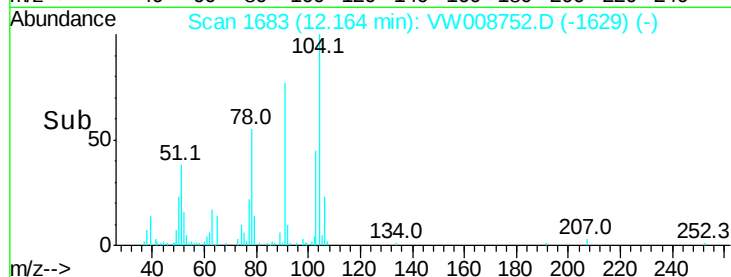
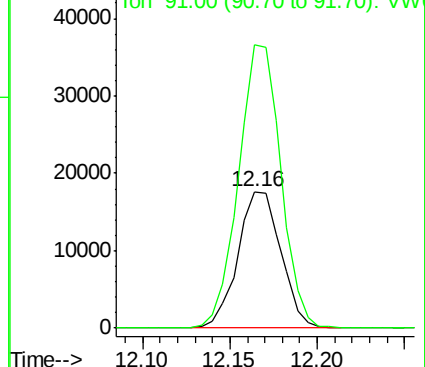
Ion Ratio Lower Upper

106 100

91 207.9 154.1 286.1



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 2.528 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW008752.D

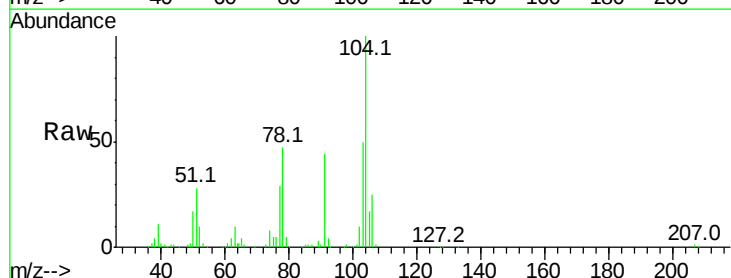
Acq: 20 Feb 2019 11:15

Tgt Ion:104 Resp: 48097

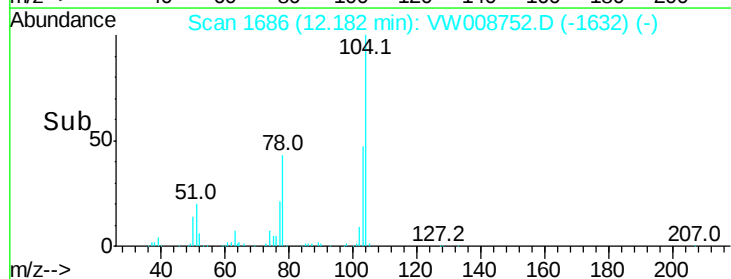
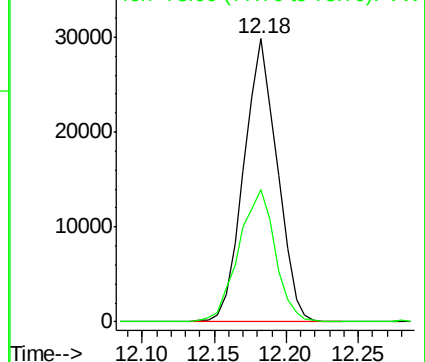
Ion Ratio Lower Upper

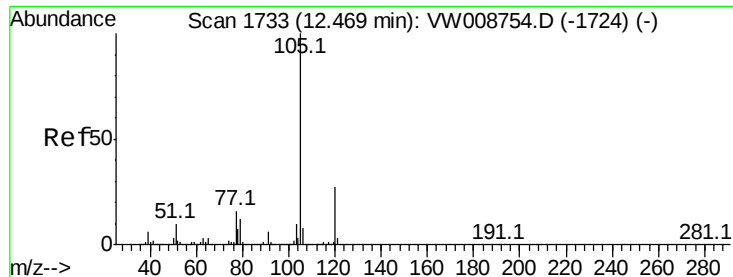
104 100

78 46.7 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 2.493 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

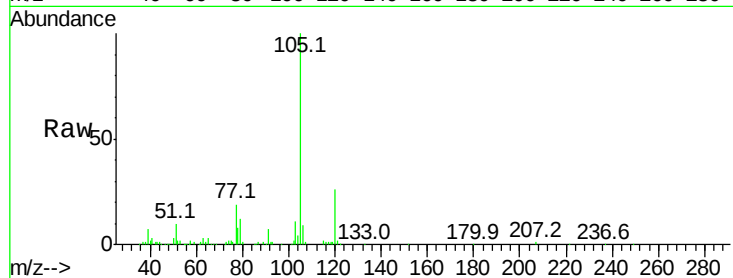
Tgt Ion:105 Resp: 79274

Ion Ratio Lower Upper

105 100

120 25.7 21.1 31.7

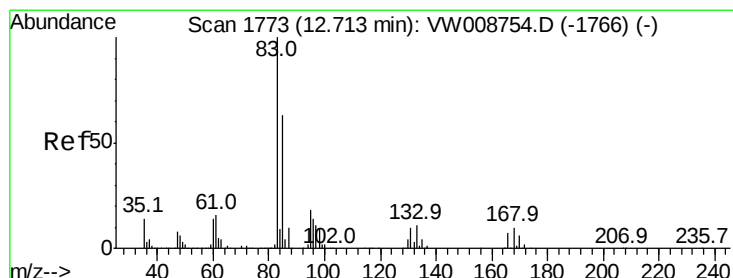
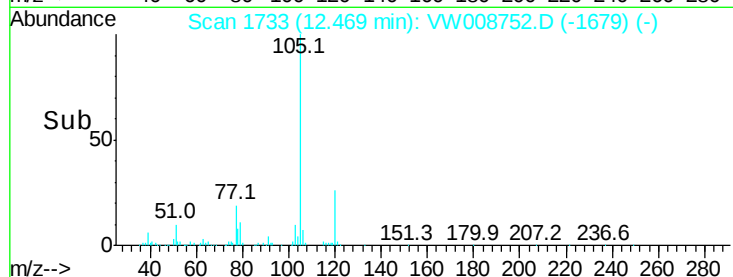
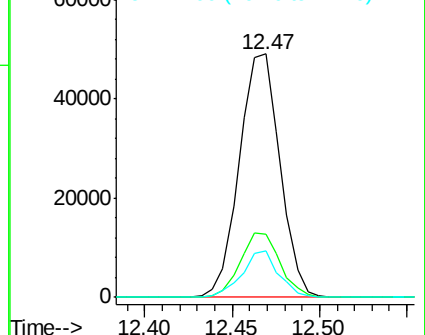
77 17.2 12.6 19.0



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: 2.768 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

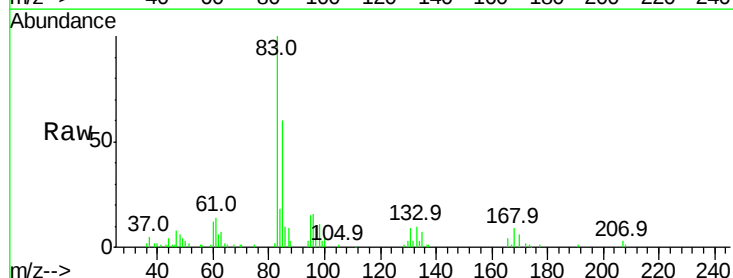
Tgt Ion: 83 Resp: 16681

Ion Ratio Lower Upper

83 100

85 60.4 43.9 81.5

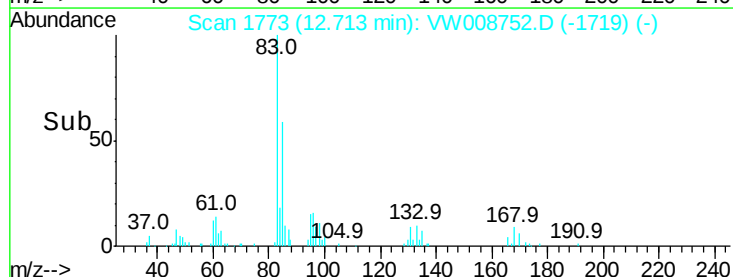
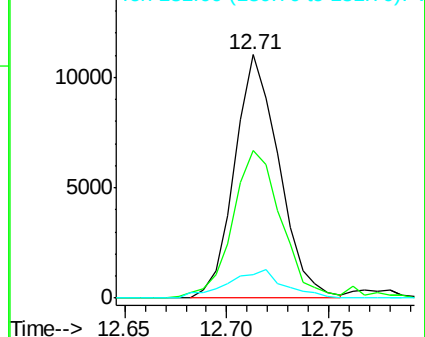
131 9.4 8.6 12.8

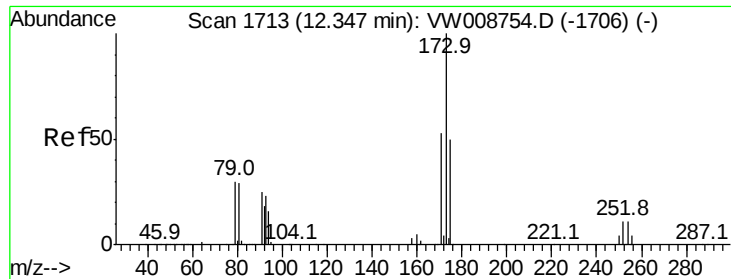


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

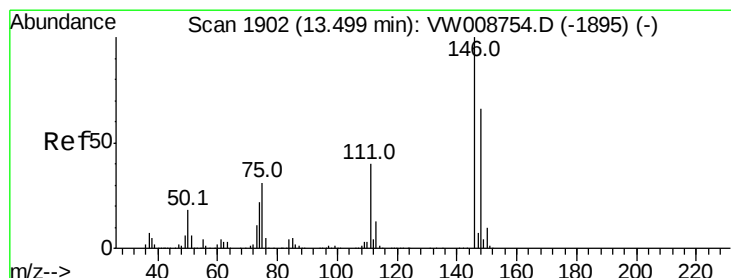
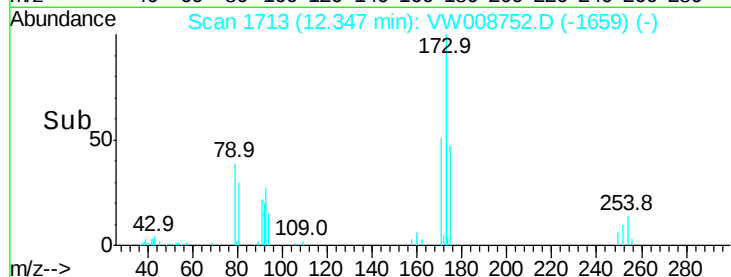
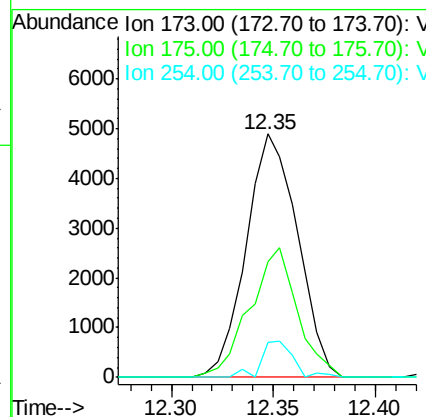
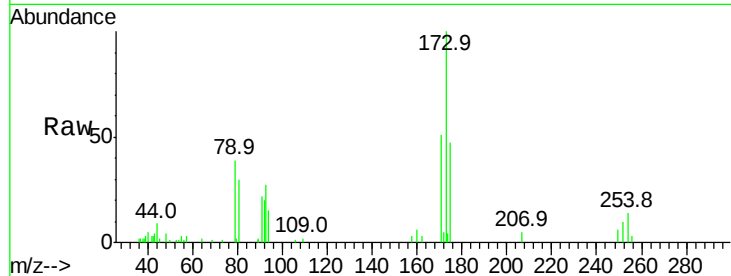




#62
Bromoform
Concen: 2.216 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008752.D
Acq: 20 Feb 2019 11:15

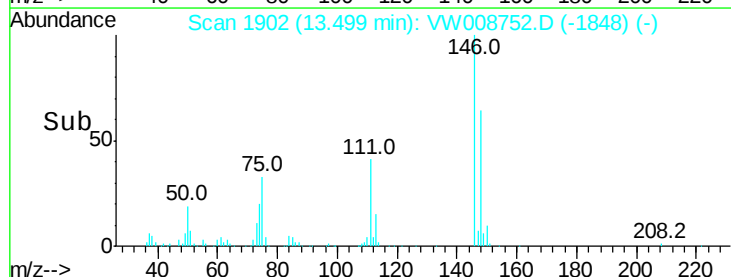
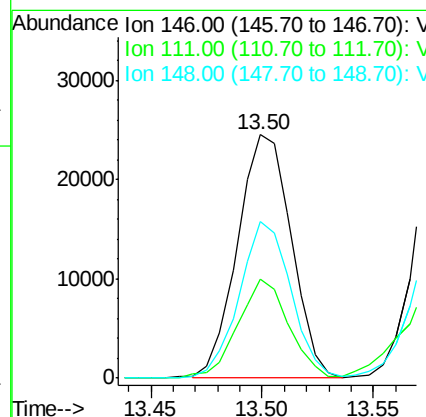
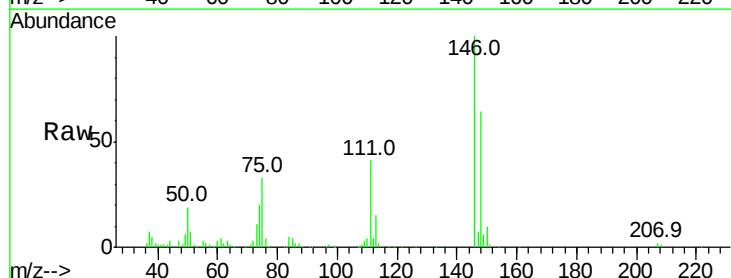
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

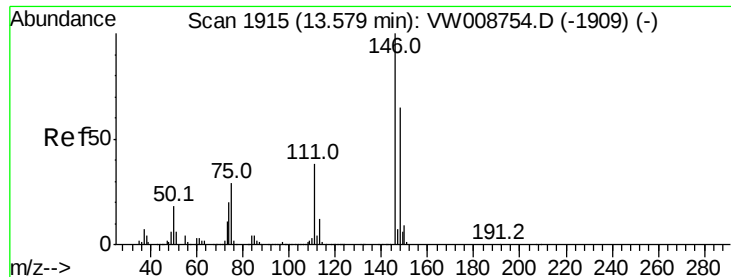
Tgt Ion:173 Resp: 8586
Ion Ratio Lower Upper
173 100
175 49.4 39.4 59.2
254 8.0 8.3 12.5#



#63
1,3-Dichlorobenzene
Concen: 2.623 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW008752.D
Acq: 20 Feb 2019 11:15

Tgt Ion:146 Resp: 41209
Ion Ratio Lower Upper
146 100
111 40.6 27.6 51.4
148 64.2 46.4 86.2





#64

1,4-Dichlorobenzene

Concen: 2.722 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

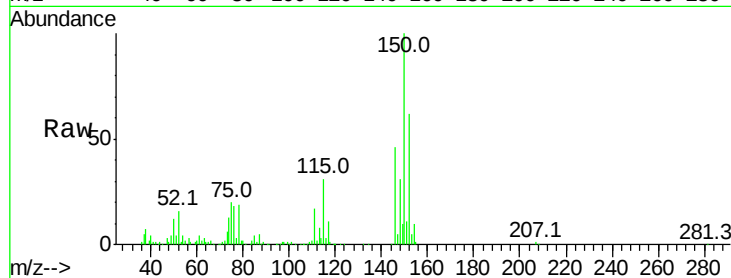
Tgt Ion:146 Resp: 42528

Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

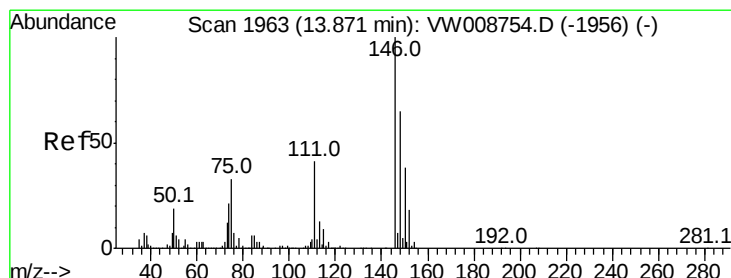
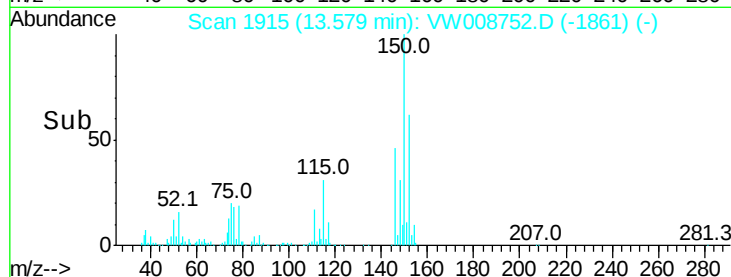
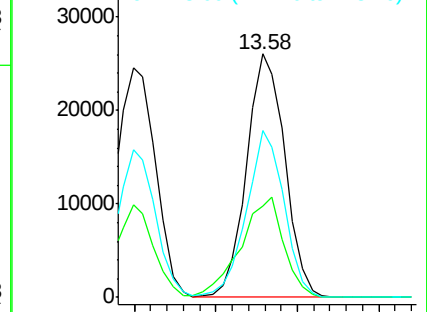
148 68.6 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.643 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

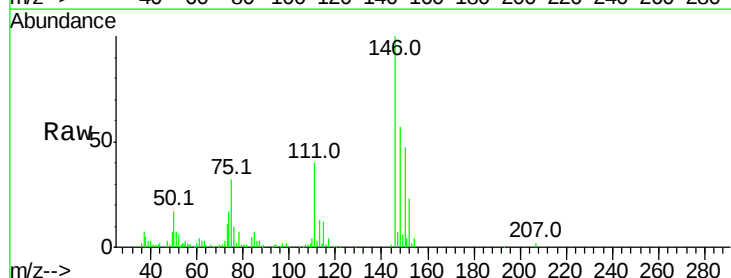
Tgt Ion:146 Resp: 37695

Ion Ratio Lower Upper

146 100

111 40.0 32.8 49.2

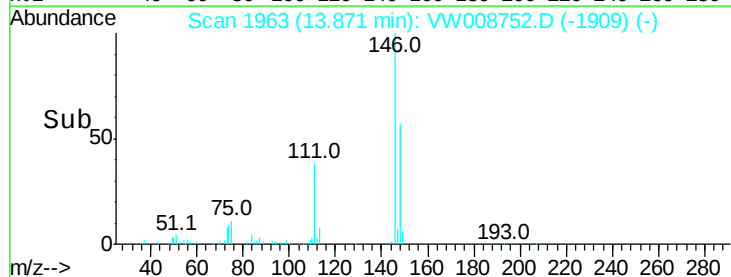
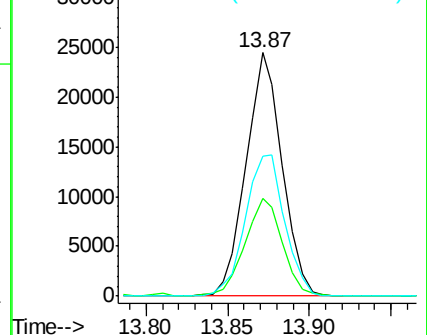
148 57.4 51.9 77.9

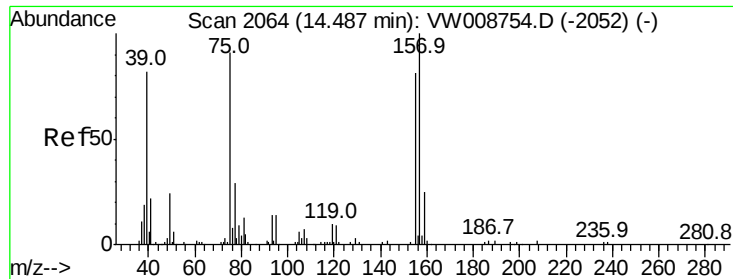


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

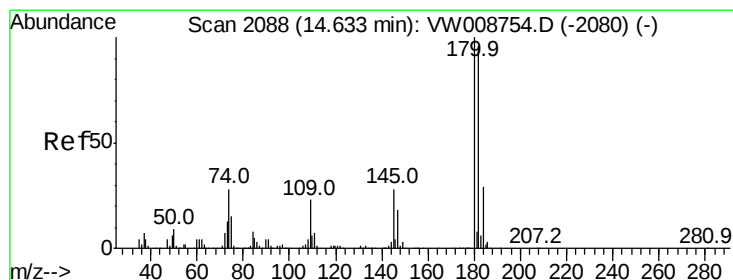
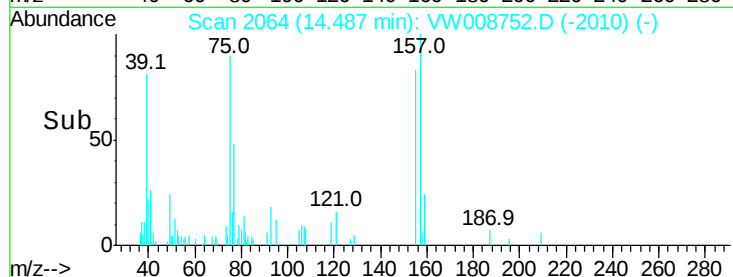
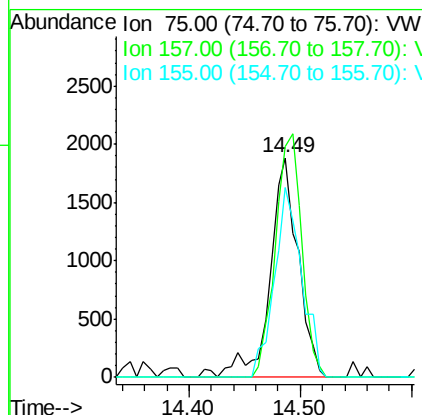
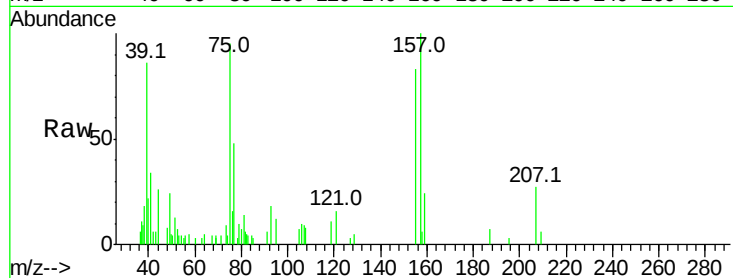




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.371 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

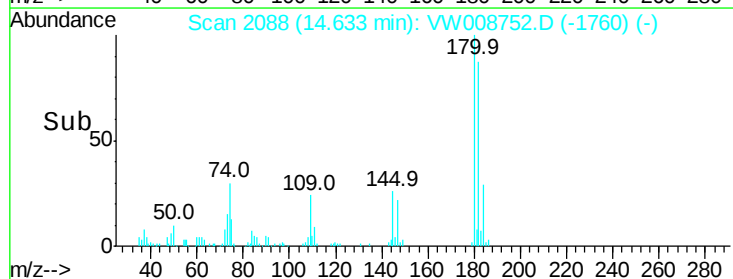
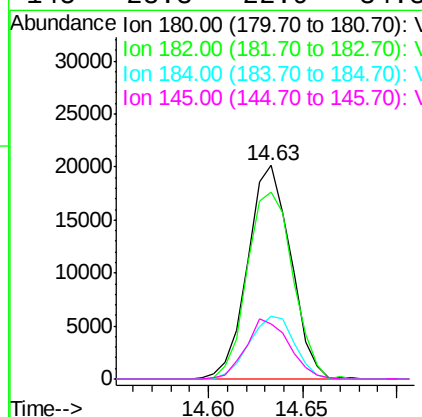
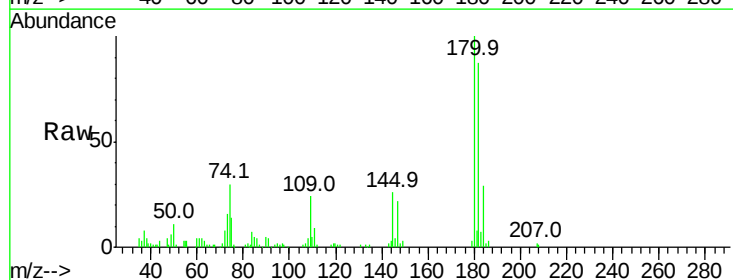
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.501

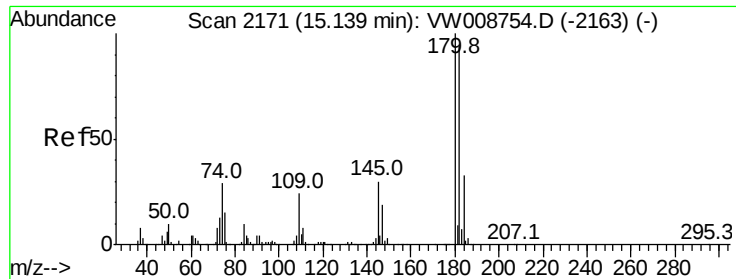
Tgt Ion: 75 Resp: 3334
 Ion Ratio Lower Upper
 75 100
 157 104.9 88.3 132.5
 155 86.6 71.1 106.7



#67
 1,3,5-Trichlorobenzene
 Concen: 2.776 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Tgt Ion: 180 Resp: 31936
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.8 113.8
 184 30.9 23.9 35.9
 145 28.3 22.9 34.3





#68

1,2,4-trichlorobenzene

Concen: 2.760 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

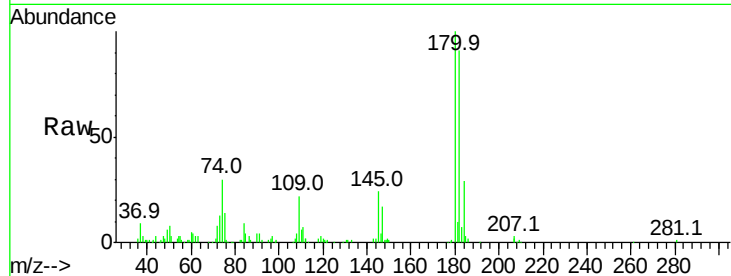
Tgt Ion:180 Resp: 27260

Ion Ratio Lower Upper

180 100

182 94.7 75.0 112.6

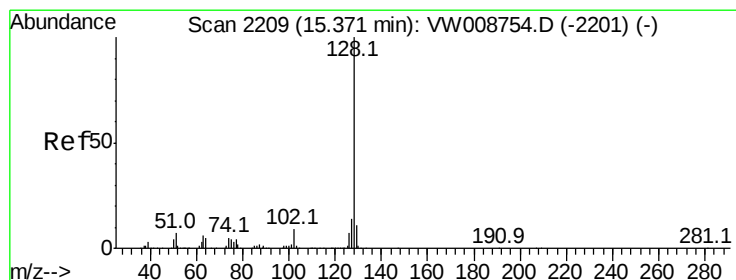
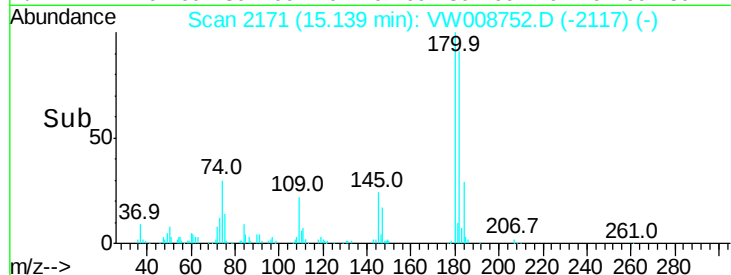
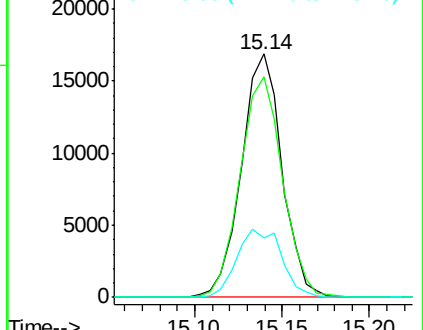
145 30.8 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 2.333 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008752.D

Acq: 20 Feb 2019 11:15

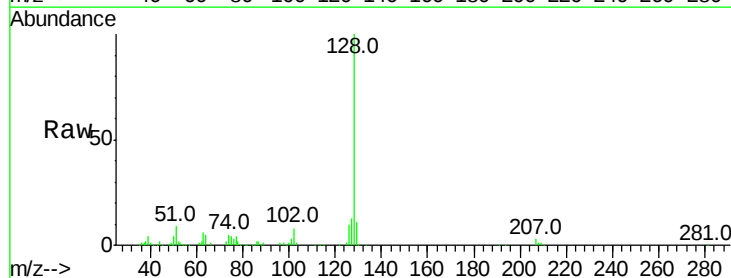
Tgt Ion:128 Resp: 52156

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

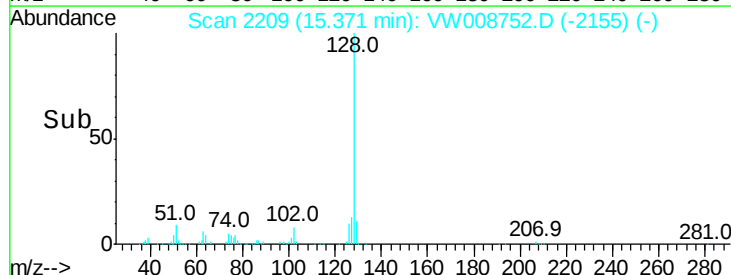
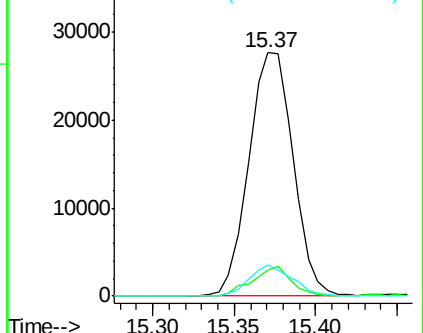
127 12.4 10.9 16.3

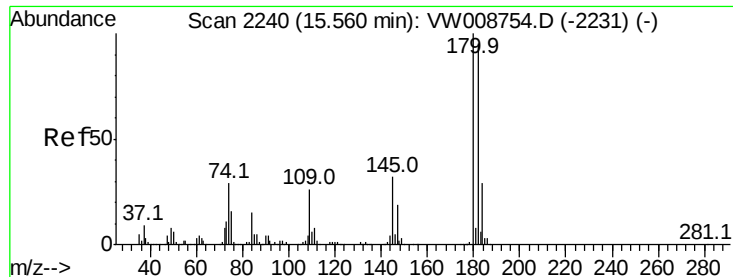


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

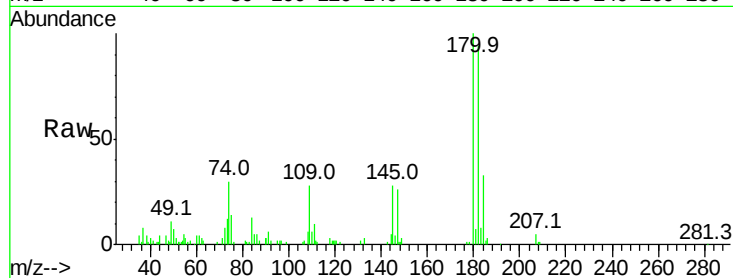




#70
 1,2,3-Trichlorobenzene
 Concen: 2.932 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW008752.D
 Acq: 20 Feb 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	25635		
182	92.1		76.9	115.3
145	31.5		25.4	38.2



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

