

Data File : VW009169.D
Acq On : 14 Mar 2019 14:40
Operator : SY/VA
Sample : VSTD00562
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Mar 14 15:41:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 15:38:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	483919	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	455690	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	231649	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	28825	3.83	ug/L	0.00
7) Chloroethane-d5	2.89	69	36876	5.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	63625	5.08	ug/L	0.00
20) 2-Butanone-d5	7.08	46	23055	10.27	ug/L	0.01
24) Chloroform-d	7.65	84	66757	5.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	40965	5.93	ug/L	0.00
29) Benzene-d6	8.27	84	127962	5.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	38043	5.94	ug/L	0.00
37) Toluene-d8	10.32	98	117267	5.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	18693	5.82	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	16283	9.33	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	36065	5.60	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	45648	5.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	30375	3.268 ug/L	93
3) Chloromethane	2.22	50	32783	3.412 ug/L	95
5) Vinyl chloride	2.37	62	33081	3.358 ug/L	96
6) Bromomethane	2.78	94	29286	4.483 ug/L	97
8) Chloroethane	2.93	64	28905	4.382 ug/L	99
9) Trichlorofluoromethane	3.26	101	25696	2.181 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	14536	2.089 ug/L	# 54
12) 1,1-Dichloroethene	4.03	96	29984	4.967 ug/L	86
13) Acetone	4.11	43	17929	8.418 ug/L	96
14) Carbon disulfide	4.37	76	76868	3.685 ug/L	96
15) Methyl Acetate	4.67	43	19413	4.570 ug/L	94
16) Methylene chloride	4.91	84	39308	5.023 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	42683	2.514 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	32125	4.834 ug/L	99
19) 1,1-Dichloroethane	6.21	63	58864	5.217 ug/L	98
21) 2-Butanone	7.17	43	25374	8.515 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	34890	4.895 ug/L	92
23) Bromochloromethane	7.51	128	17504	5.367 ug/L	91
25) Chloroform	7.66	83	61974	5.218 ug/L	100
30) Cyclohexane	7.96	56	49579	4.622 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	47142	4.481 ug/L	98
32) Carbon tetrachloride	8.06	117	46248	4.810 ug/L	99
34) Benzene	8.32	78	127449	5.155 ug/L	100
35) Trichloroethene	9.09	95	34808	5.217 ug/L	98
36) Methylcyclohexane	9.34	83	55949	4.725 ug/L	95
40) 1,2-Dichloropropane	9.37	63	33880	5.548 ug/L	98
41) Bromodichloromethane	9.64	83	45520	5.482 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	51120	5.161 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	55929	10.141 ug/L	99
44) Toluene	10.38	91	138817	4.884 ug/L	98

Data File : VW009169.D
Acq On : 14 Mar 2019 14:40
Operator : SY/VA
Sample : VSTD00562
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Mar 14 15:41:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 15:38:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	44690	5.052	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	25373	4.969	ug/L	96
47) Tetrachloroethene	10.86	164	28596	4.708	ug/L	93
49) 2-Hexanone	10.97	43	36686	8.481	ug/L	98
50) Dibromochloromethane	11.13	129	30587	4.942	ug/L	92
51) 1,2-Dibromoethane	11.23	107	26097	5.053	ug/L #	100
52) Chlorobenzene	11.66	112	90373	4.725	ug/L	96
53) Ethylbenzene	11.73	91	152549	4.620	ug/L	97
54) m,p-Xylene	11.84	106	57543	4.431	ug/L	92
55) o-xylene	12.16	106	55337	4.430	ug/L	96
56) Styrene	12.18	104	91661	4.375	ug/L	99
57) Isopropylbenzene	12.47	105	147670	4.431	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	34521	5.040	ug/L	89
59) 1,2,3-Trichloropropane	12.77	75	26019	5.137	ug/L	98
62) Bromoform	12.35	173	18177	5.068	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	69909	4.624	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	74793	4.869	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	68116	4.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	6187	4.976	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.63	180	56140	4.716	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	45386	4.426	ug/L	99
69) Naphthalene	15.37	128	85536	4.052	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	43235	4.589	ug/L	99

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

Data File : VW009169.D

Acq On : 14 Mar 2019 14:40

Operator : SY/VA

Sample : VSTD00562

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

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

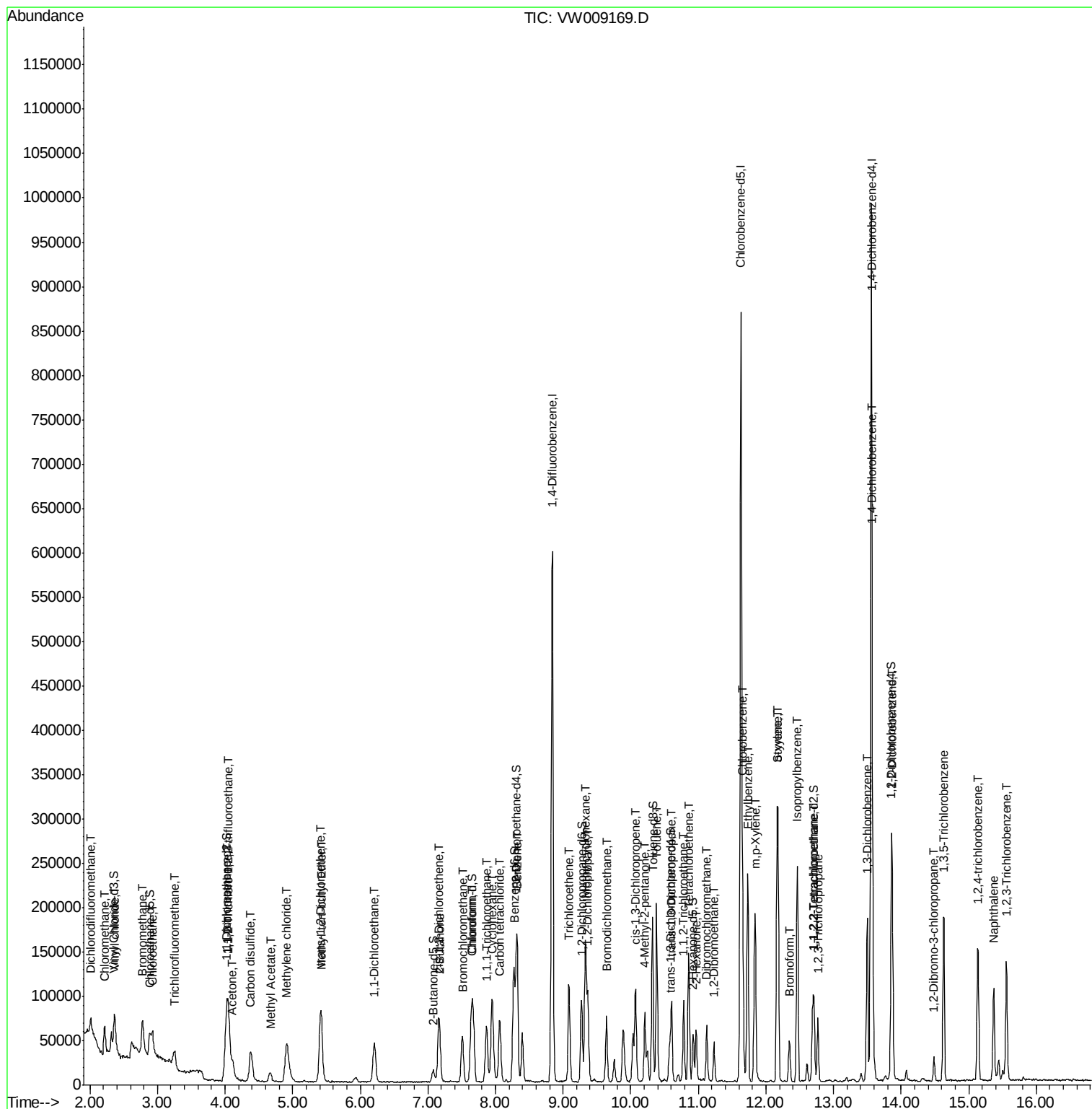
Quant Time: Mar 14 15:41:30 2019

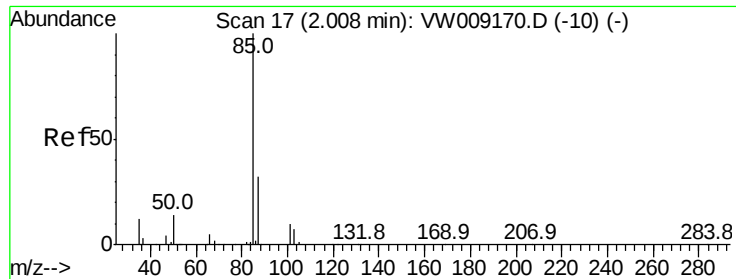
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 14 15:38:00 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.268 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

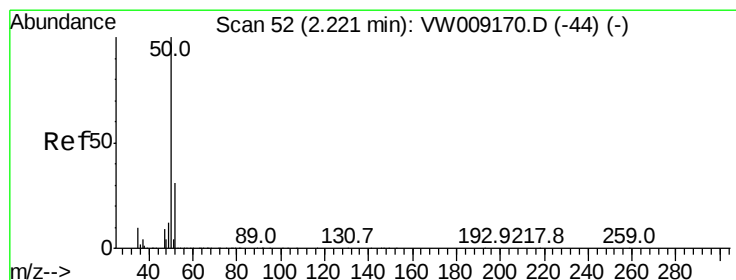
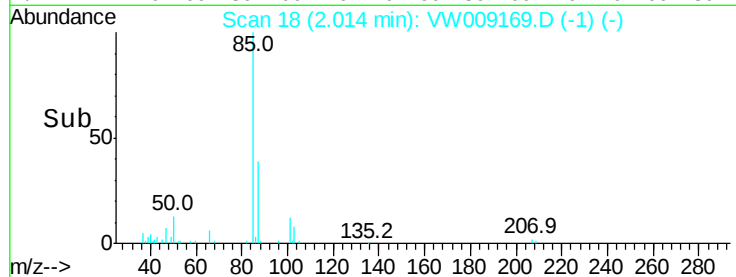
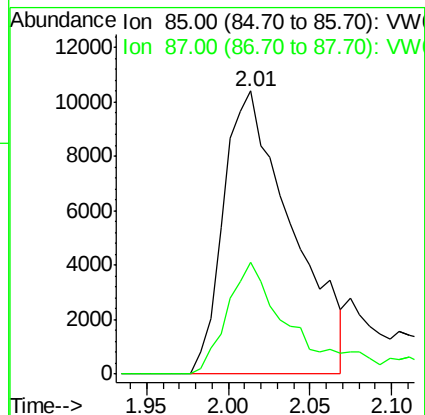
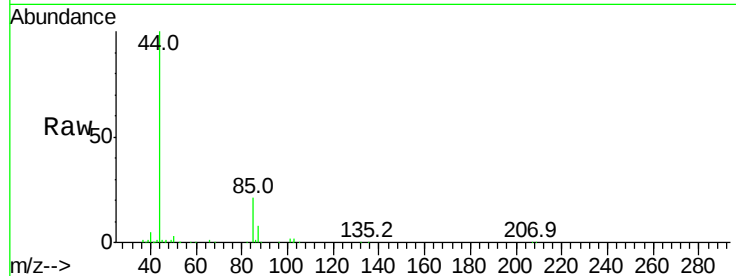
VSTD00502

Tgt Ion: 85 Resp: 30375

Ion Ratio Lower Upper

85 100

87 31.4 19.5 36.3



#3

Chloromethane

Concen: 3.412 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009169.D

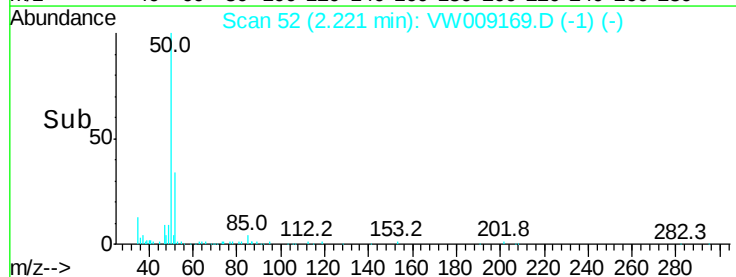
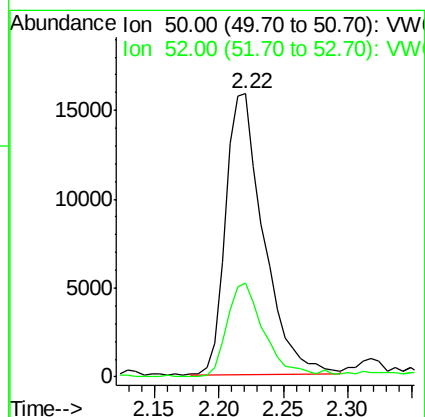
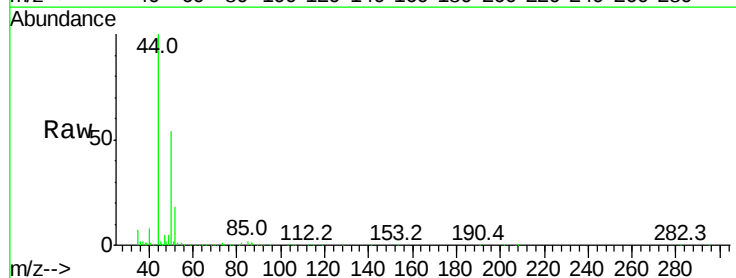
Acq: 14 Mar 2019 14:40

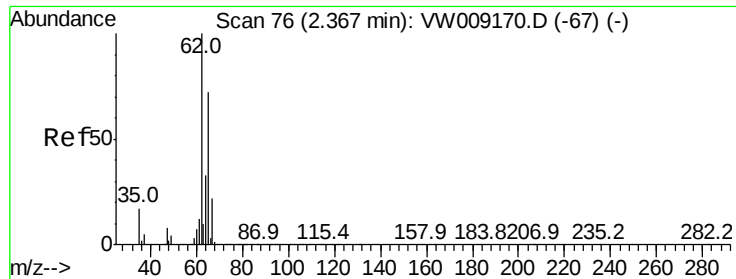
Tgt Ion: 50 Resp: 32783

Ion Ratio Lower Upper

50 100

52 33.4 21.6 40.2





#5

Vinyl chloride

Concen: 3.358 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

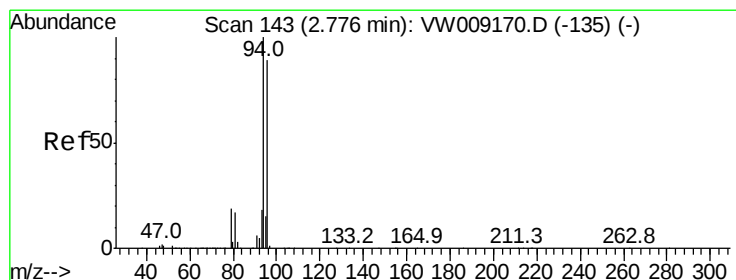
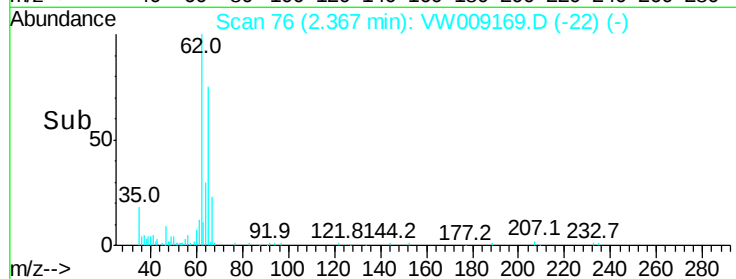
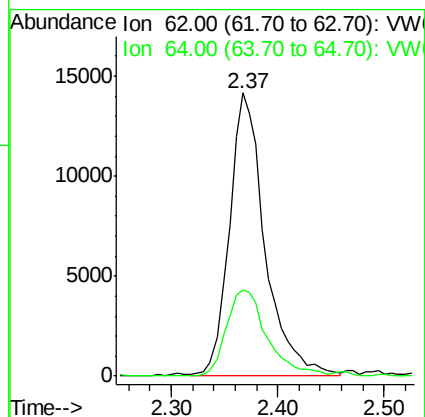
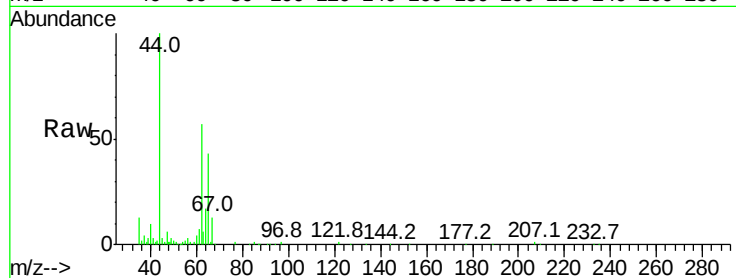
VSTD00502

Tgt Ion: 62 Resp: 33081

Ion Ratio Lower Upper

62 100

64 30.4 23.0 42.6



#6

Bromomethane

Concen: 4.483 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009169.D

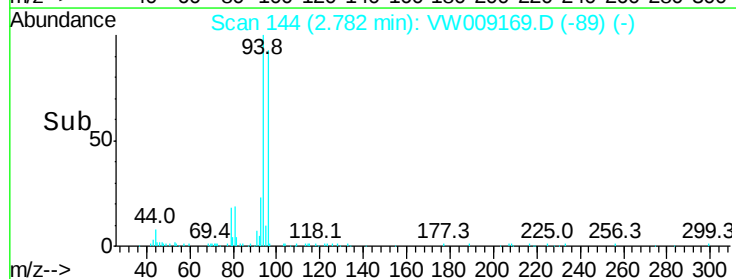
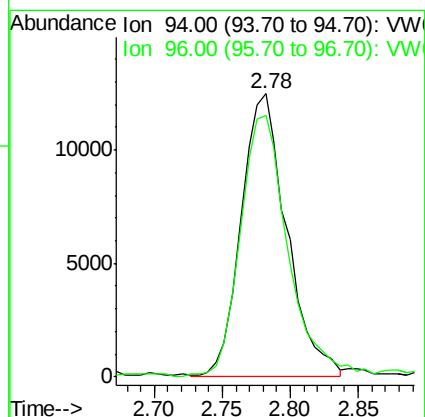
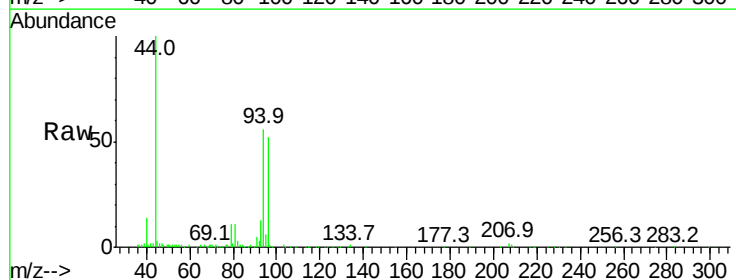
Acq: 14 Mar 2019 14:40

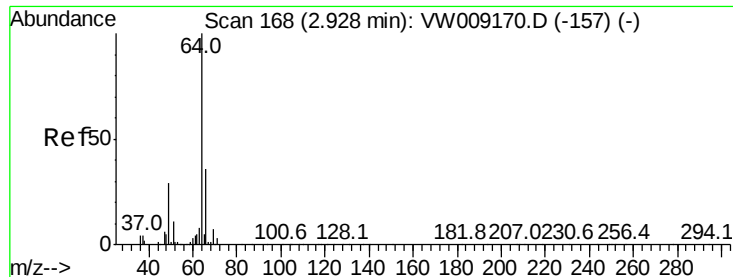
Tgt Ion: 94 Resp: 29286

Ion Ratio Lower Upper

94 100

96 97.1 9.4 178.4





#8

Chloroethane

Concen: 4.382 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

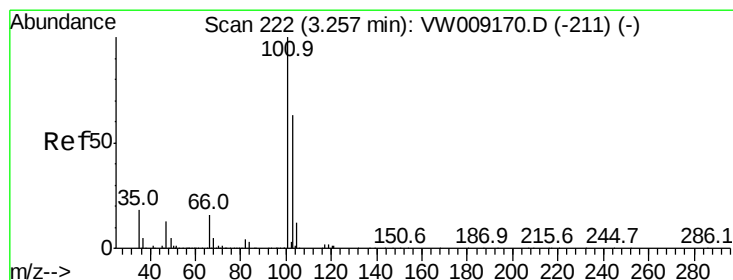
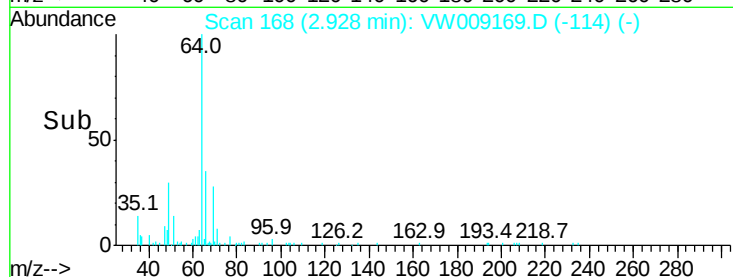
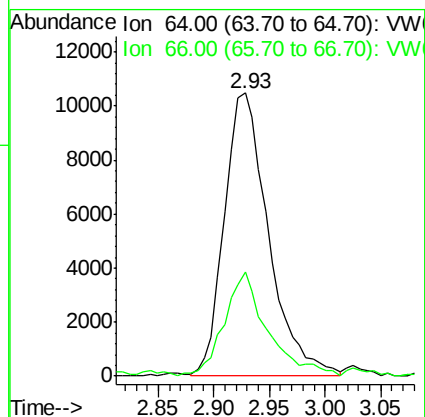
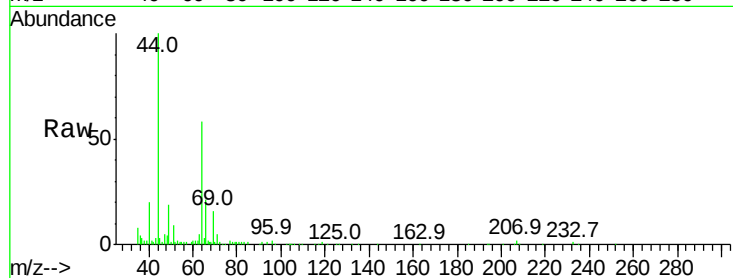
VSTD00502

Tgt Ion: 64 Resp: 28905

Ion Ratio Lower Upper

64 100

66 36.8 25.1 46.7



#9

Trichlorofluoromethane

Concen: 2.181 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW009169.D

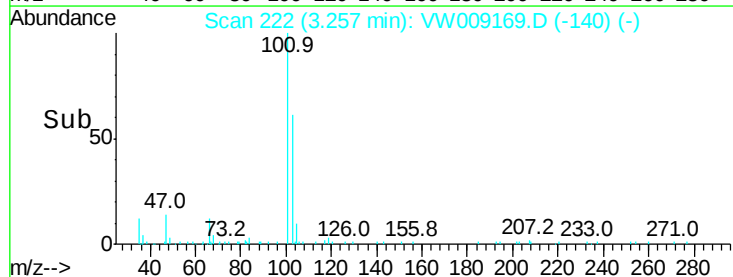
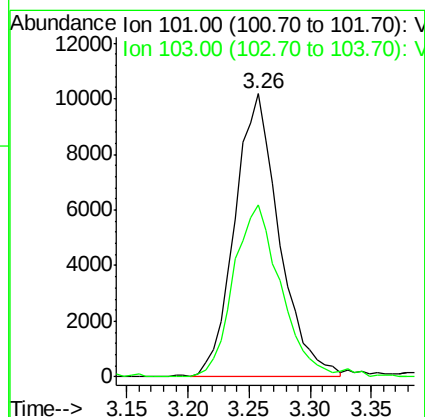
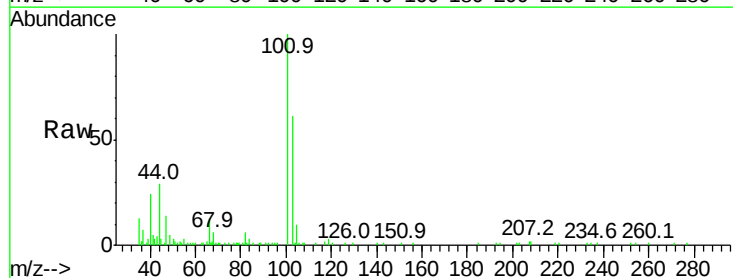
Acq: 14 Mar 2019 14:40

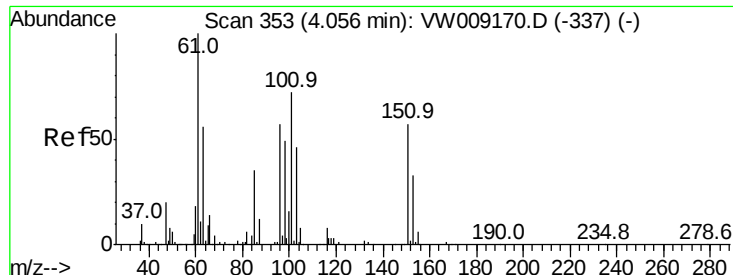
Tgt Ion: 101 Resp: 25696

Ion Ratio Lower Upper

101 100

103 63.9 45.0 83.6





#11

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

Concen: 2.089 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

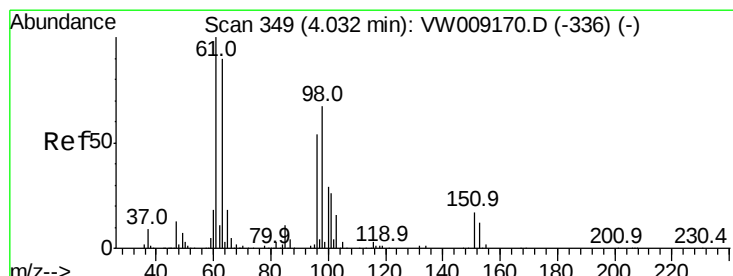
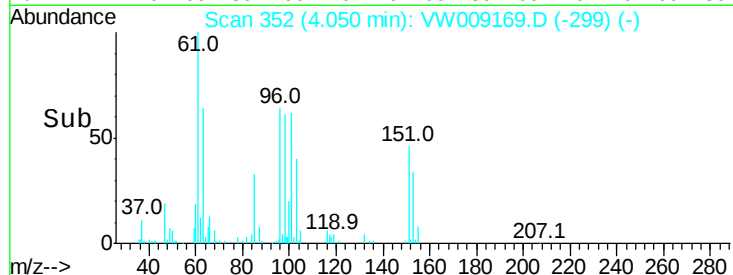
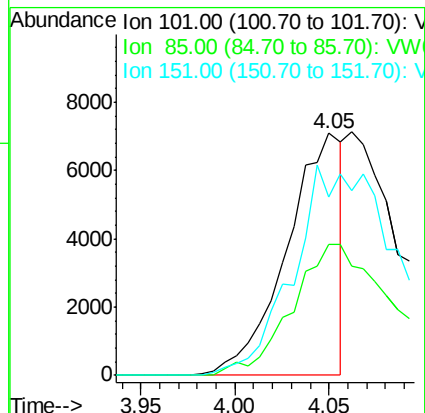
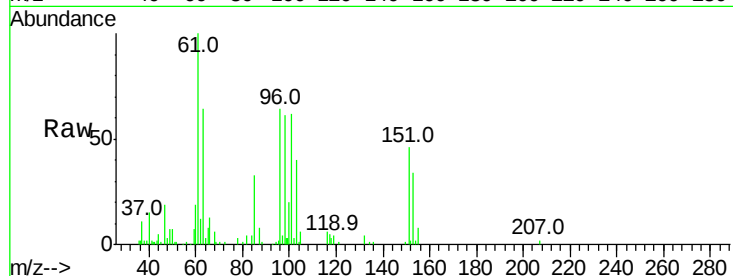
Tgt Ion: 101 Resp: 14536

Ion Ratio Lower Upper

101 100

85 102.4 32.6 48.8#

151 62.2 63.3 94.9#



#12

1,1-Dichloroethene

Concen: 4.967 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

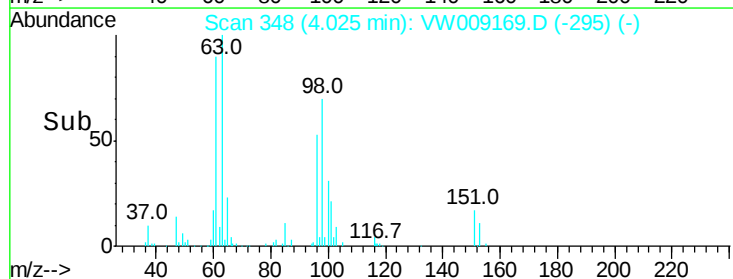
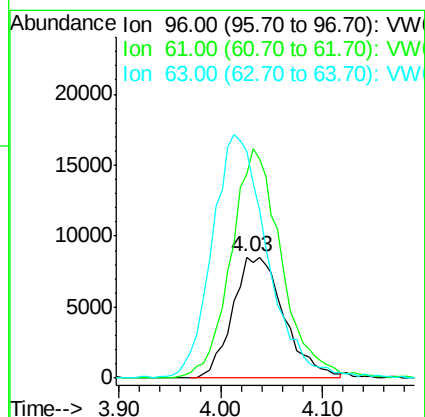
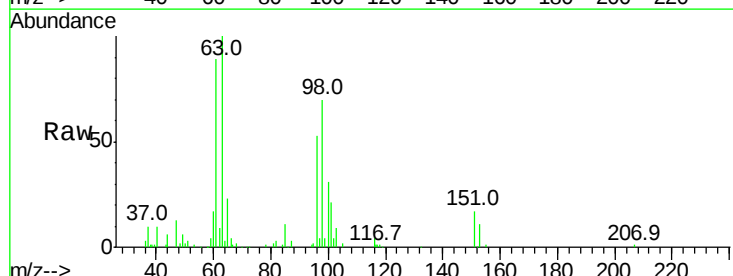
Tgt Ion: 96 Resp: 29984

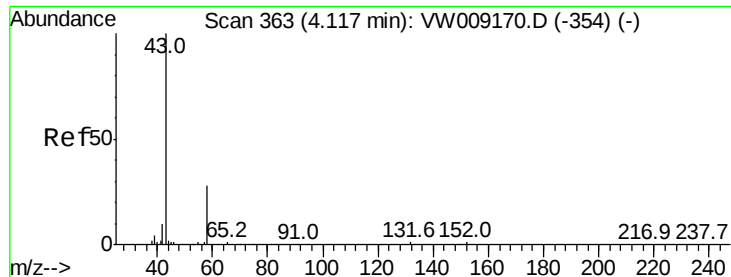
Ion Ratio Lower Upper

96 100

61 168.4 129.4 240.2

63 188.5 116.8 217.0





#13

Acetone

Concen: 8.418 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

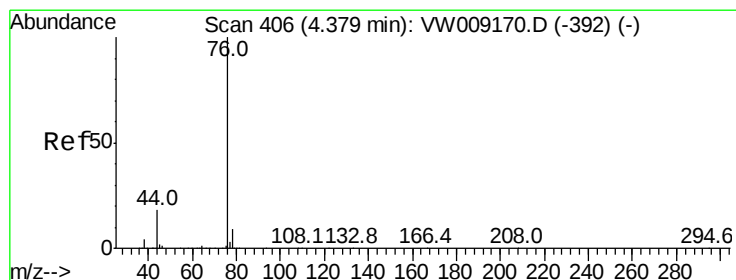
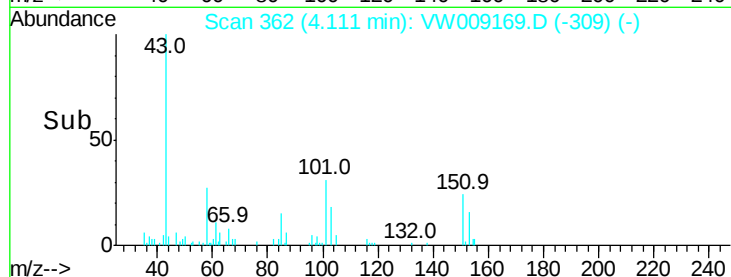
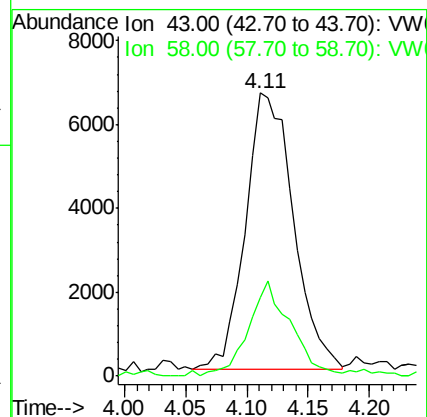
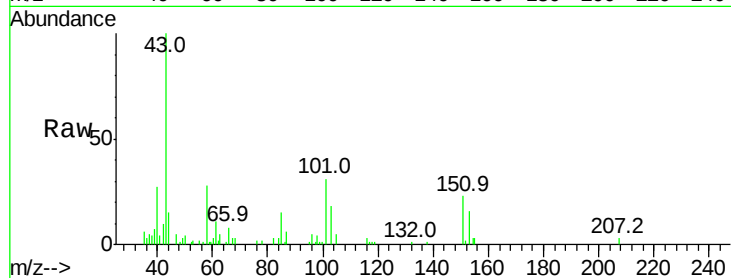
VSTD00502

Tgt Ion: 43 Resp: 17929

Ion Ratio Lower Upper

43 100

58 30.3 0.0 56.2



#14

Carbon disulfide

Concen: 3.685 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009169.D

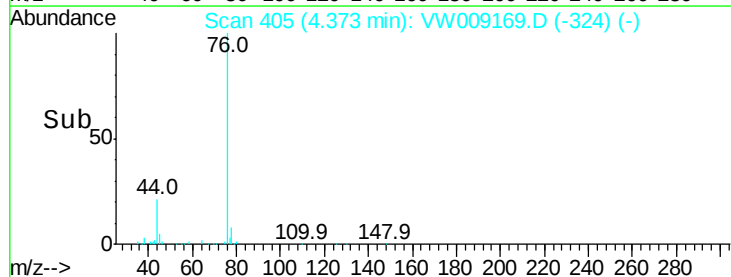
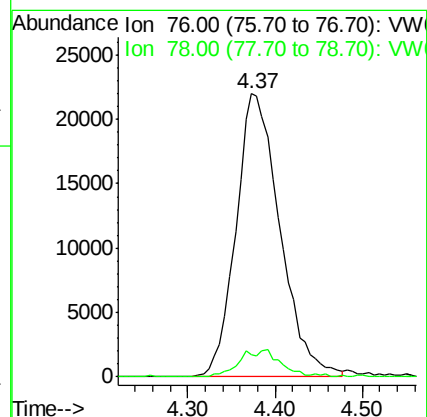
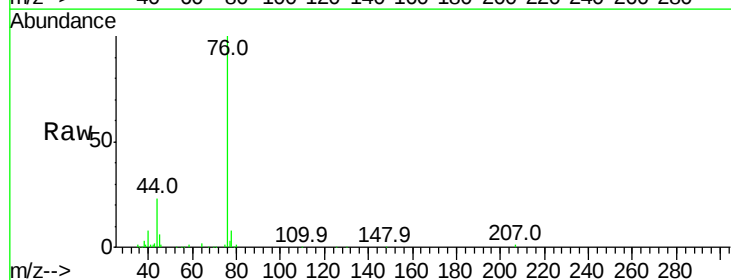
Acq: 14 Mar 2019 14:40

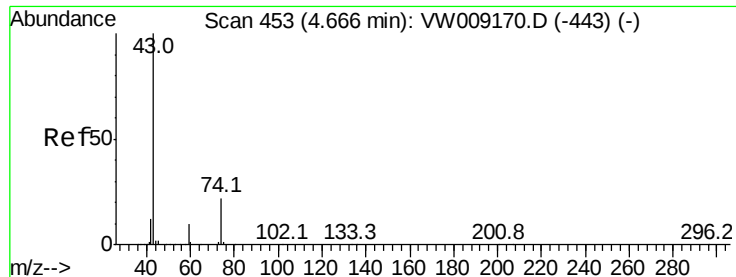
Tgt Ion: 76 Resp: 76868

Ion Ratio Lower Upper

76 100

78 7.8 7.3 10.9





#15

Methyl Acetate

Concen: 4.570 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

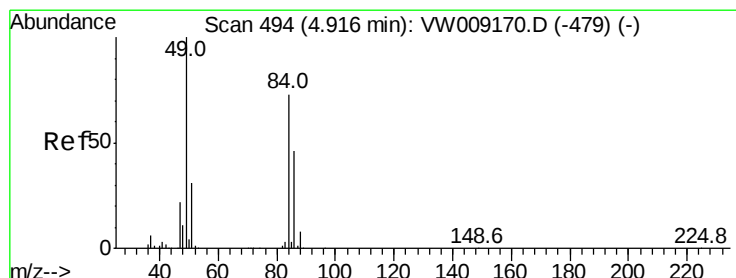
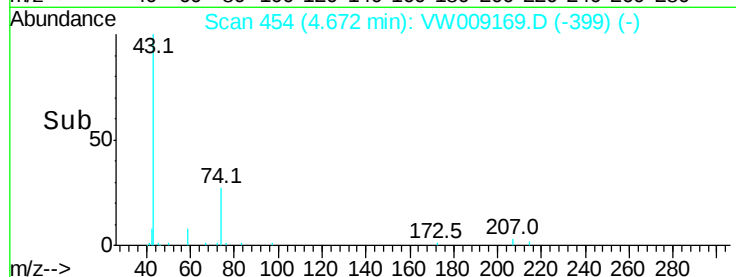
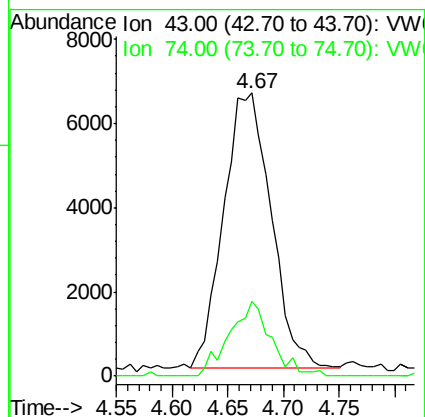
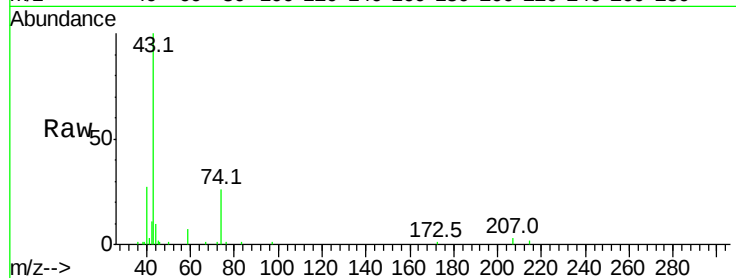
VSTD00502

Tgt Ion: 43 Resp: 19413

Ion Ratio Lower Upper

43 100

74 23.5 16.7 25.1



#16

Methylene chloride

Concen: 5.023 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

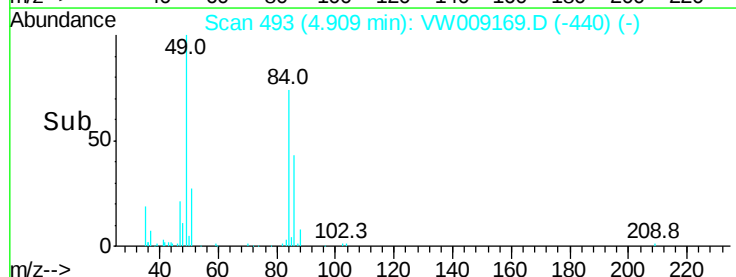
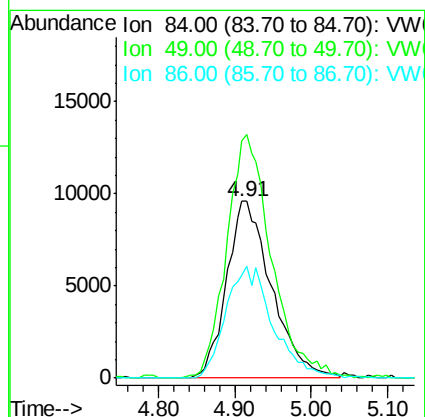
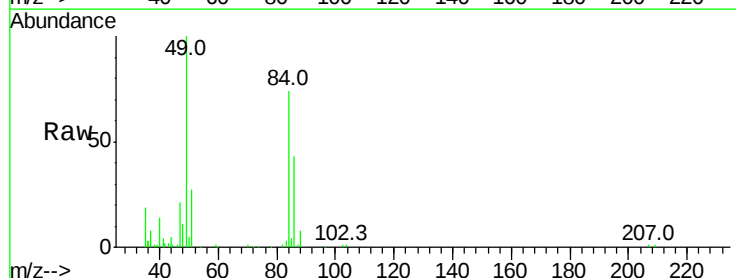
Tgt Ion: 84 Resp: 39308

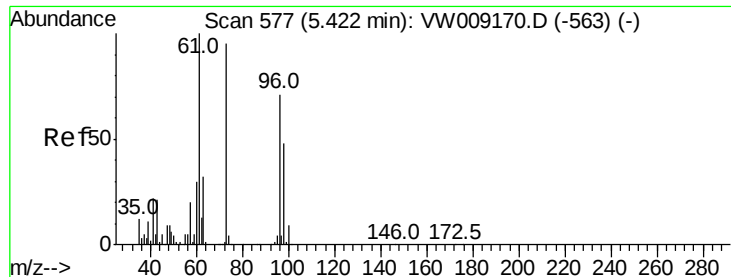
Ion Ratio Lower Upper

84 100

49 134.3 96.0 178.2

86 58.1 44.4 82.5

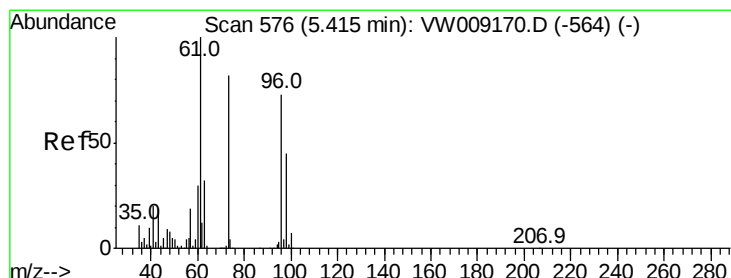
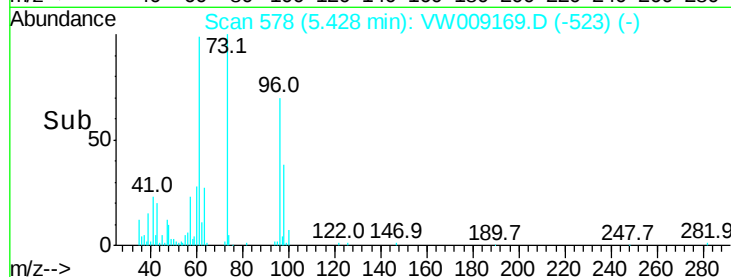
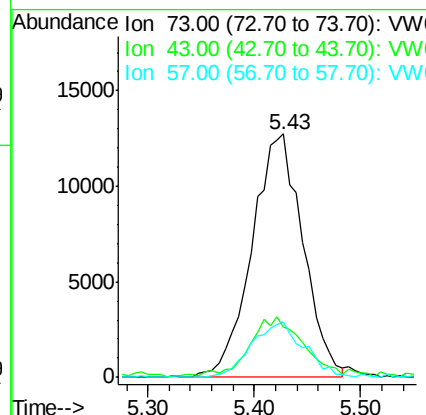
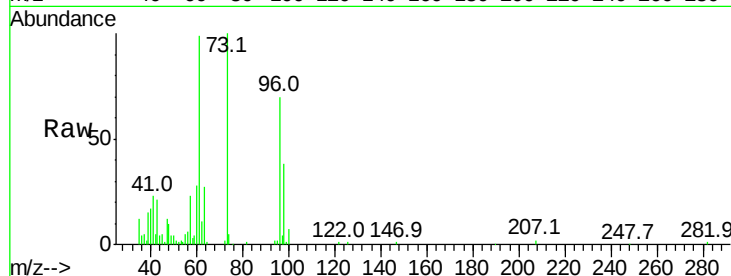




#17
Methyl tert-butyl Ether
Concen: 2.514 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

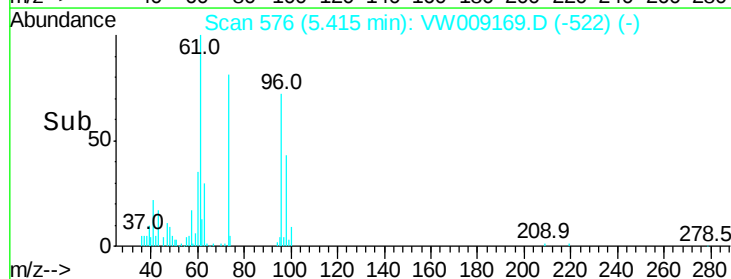
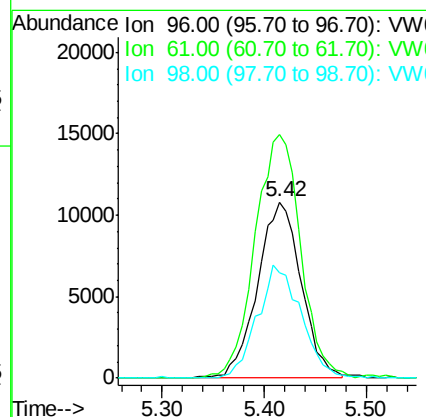
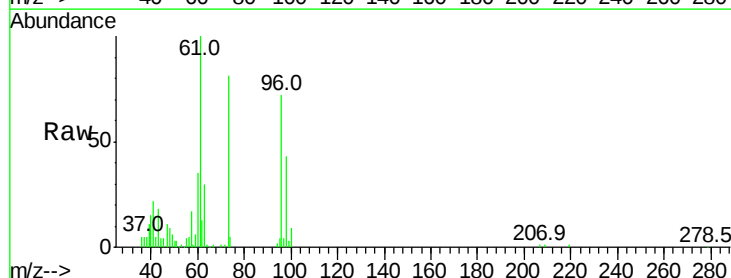
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

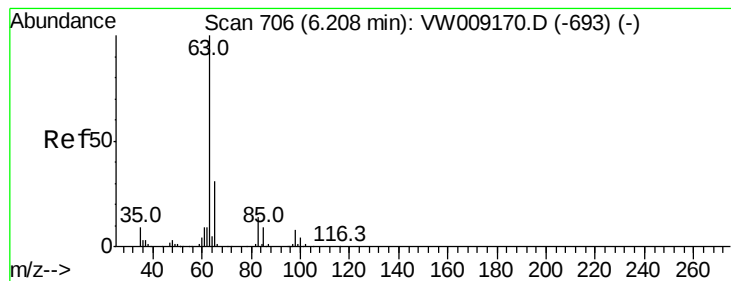
Tgt Ion: 73 Resp: 42683
Ion Ratio Lower Upper
73 100
43 24.6 18.2 27.4
57 20.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.834 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

Tgt Ion: 96 Resp: 32125
Ion Ratio Lower Upper
96 100
61 138.5 96.7 179.5
98 59.7 43.8 81.4





#19

1,1-Dichloroethane

Concen: 5.217 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

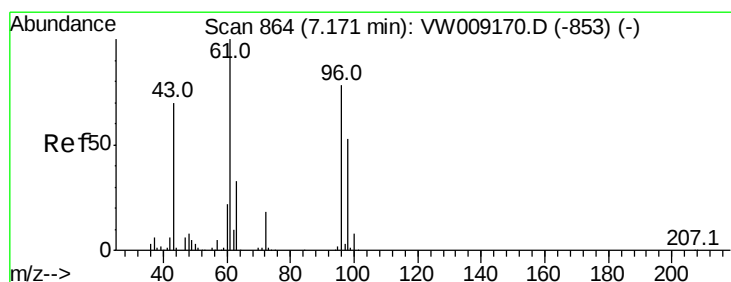
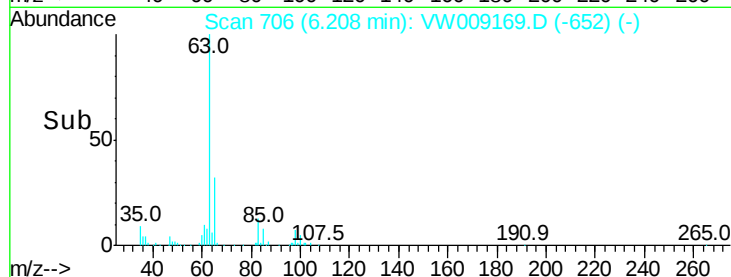
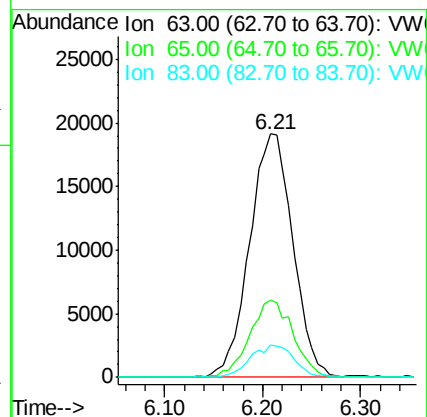
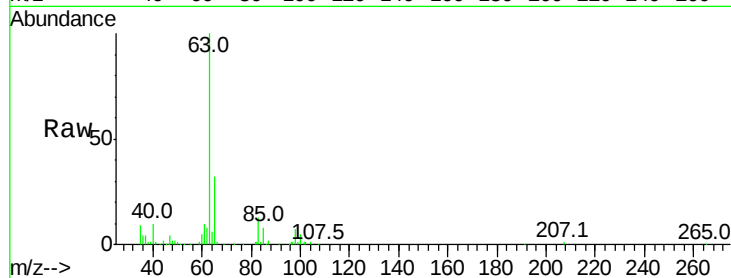
Tgt Ion: 63 Resp: 58864

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.0

83 13.2 10.1 18.7



#21

2-Butanone

Concen: 8.515 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009169.D

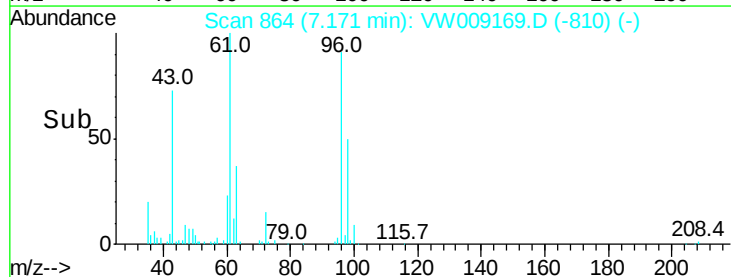
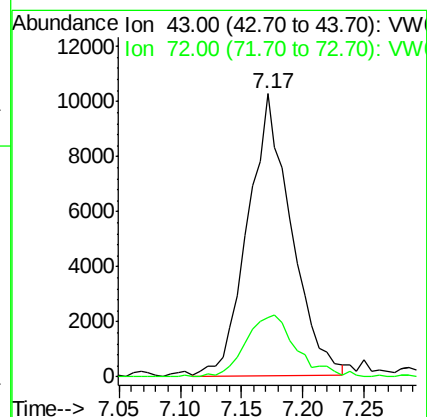
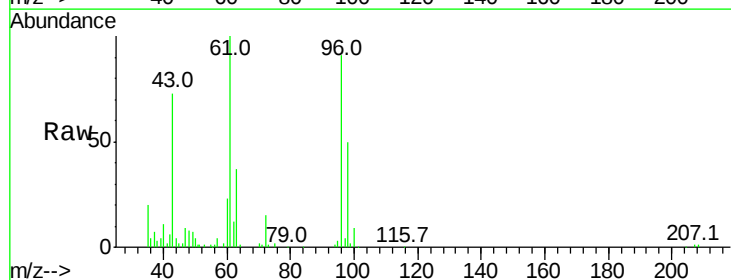
Acq: 14 Mar 2019 14:40

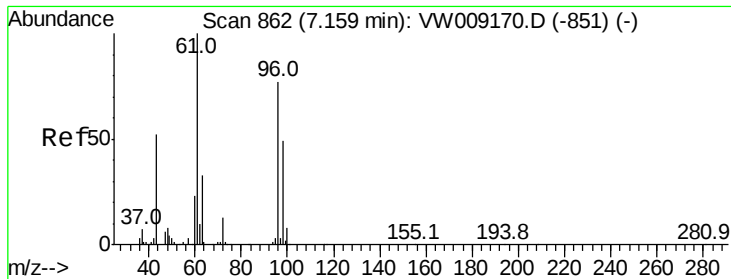
Tgt Ion: 43 Resp: 25374

Ion Ratio Lower Upper

43 100

72 23.5 13.1 39.1



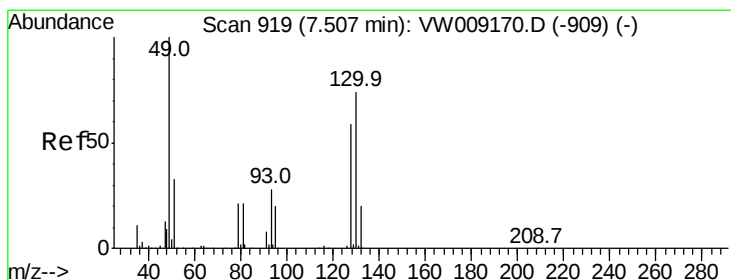
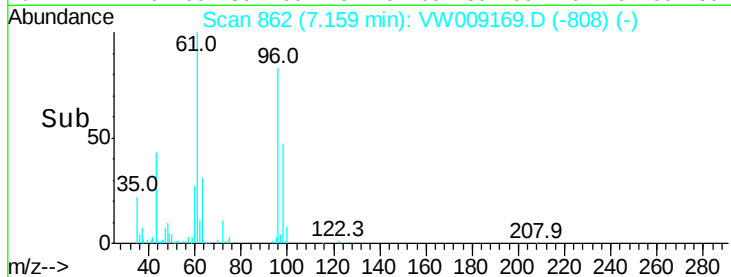
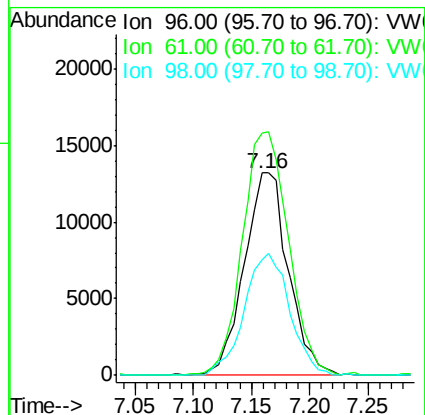
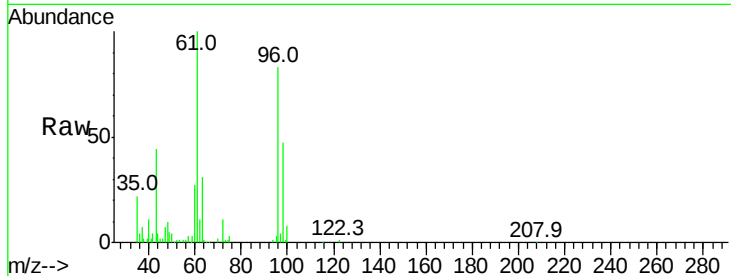


#22

cis-1,2-Dichloroethene
Concen: 4.895 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

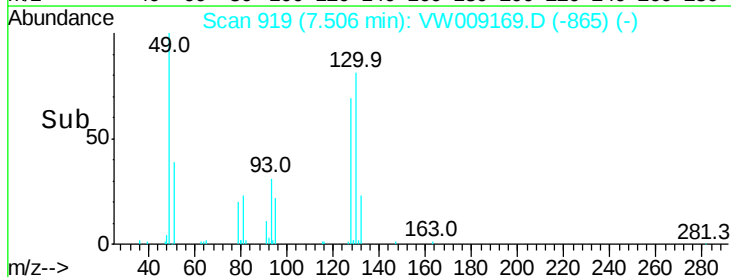
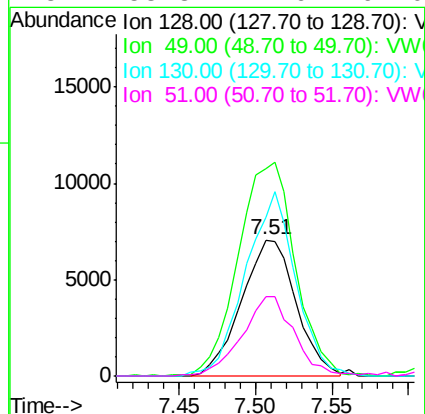
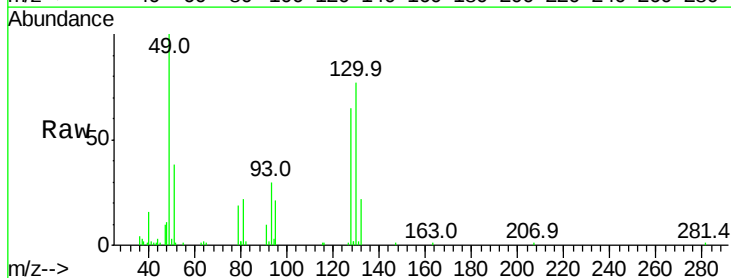
Tgt Ion: 96 Resp: 34890
Ion Ratio Lower Upper
96 100
61 119.8 90.6 168.3
98 56.8 44.0 81.8

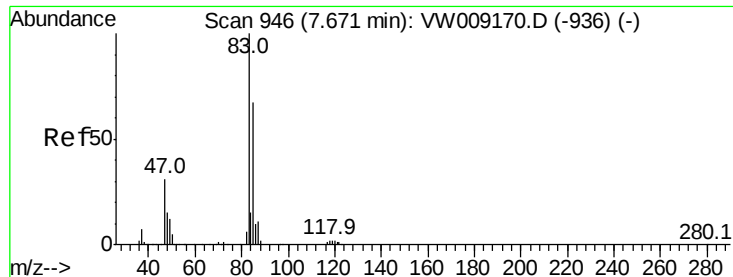


#23

Bromochloromethane
Concen: 5.367 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

Tgt Ion: 128 Resp: 17504
Ion Ratio Lower Upper
128 100
49 152.7 118.4 219.8
130 117.4 87.8 163.2
51 58.3 44.6 67.0





#25

Chloroform

Concen: 5.218 ug/L

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampled :

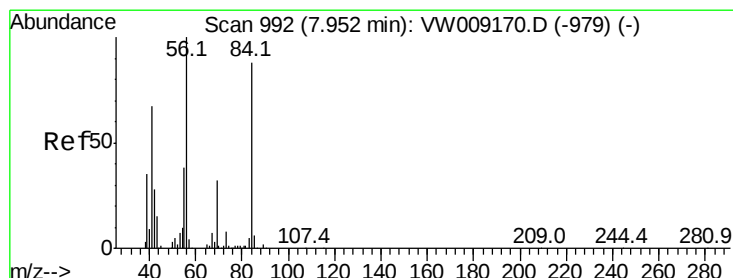
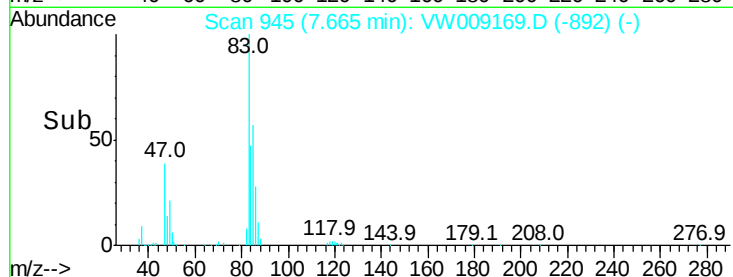
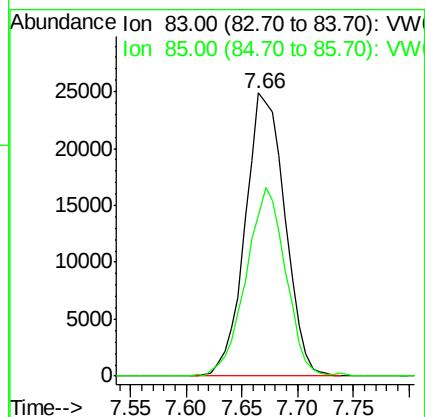
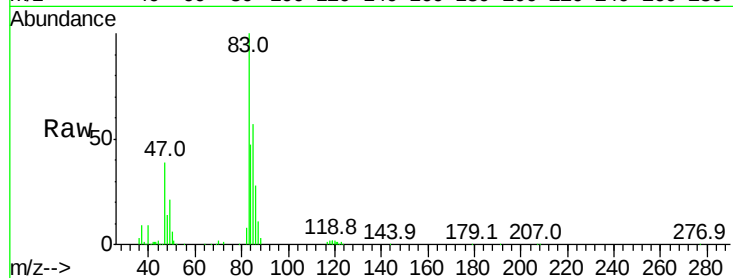
VSTD00502

Tgt Ion: 83 Resp: 61974

Ion Ratio Lower Upper

83 100

85 65.9 46.0 85.4



#30

Cyclohexane

Concen: 4.622 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

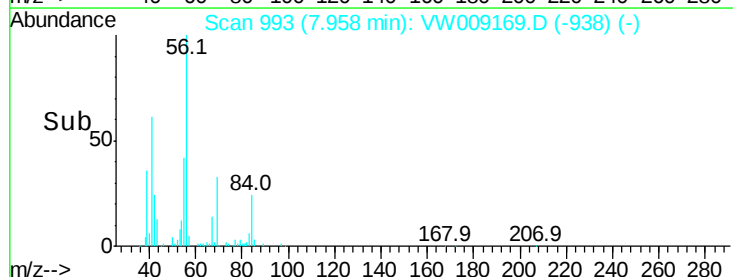
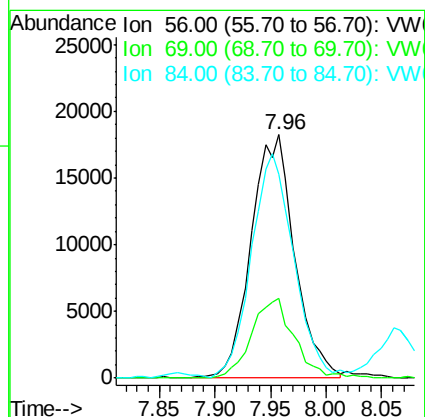
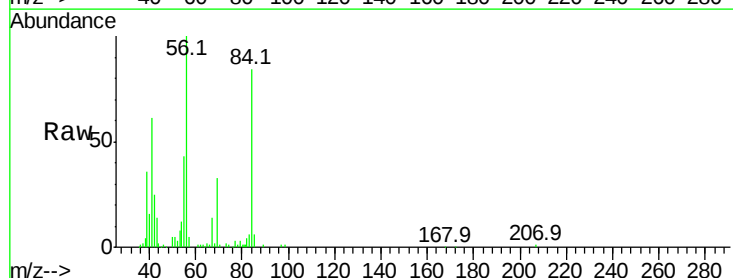
Tgt Ion: 56 Resp: 49579

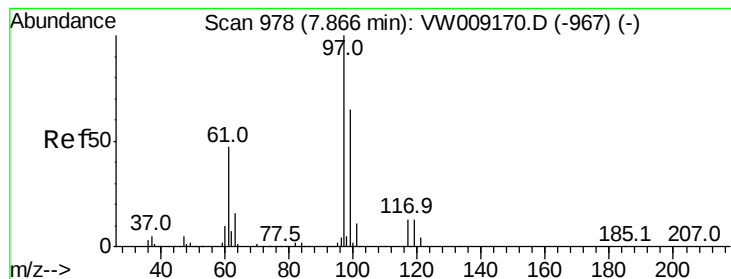
Ion Ratio Lower Upper

56 100

69 31.4 24.0 36.0

84 89.5 69.2 103.8





#31

1,1,1-Trichloroethane

Concen: 4.481 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

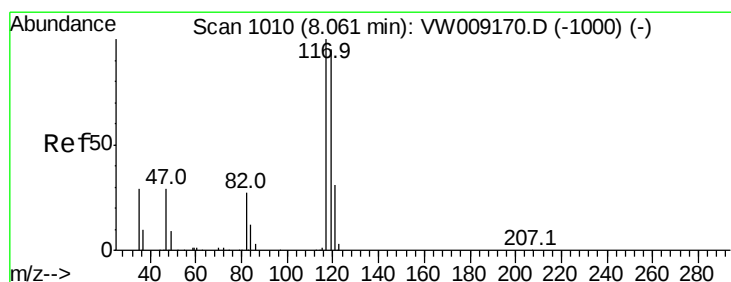
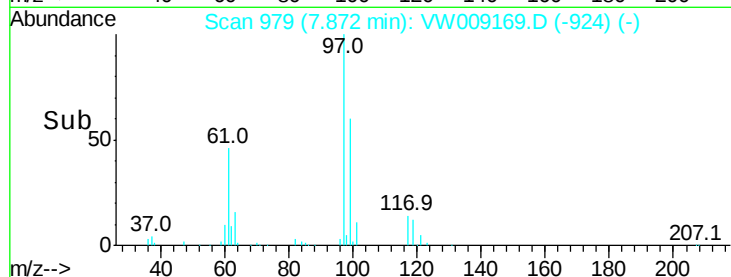
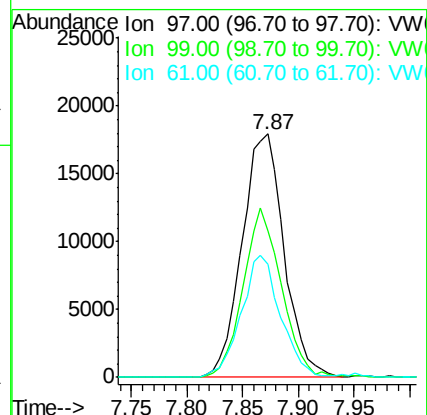
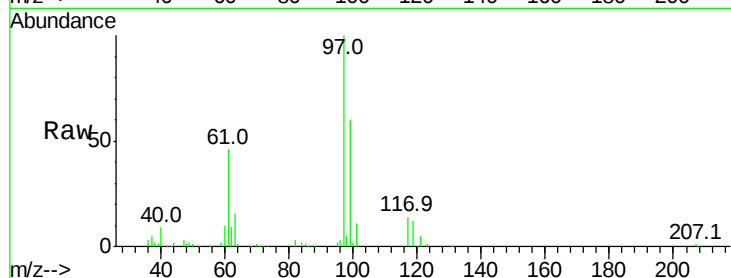
Tgt Ion: 97 Resp: 47142

Ion Ratio Lower Upper

97 100

99 62.4 51.2 76.8

61 46.6 38.4 57.6



#32

Carbon tetrachloride

Concen: 4.810 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009169.D

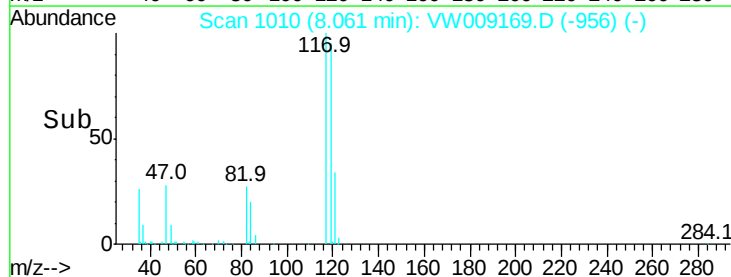
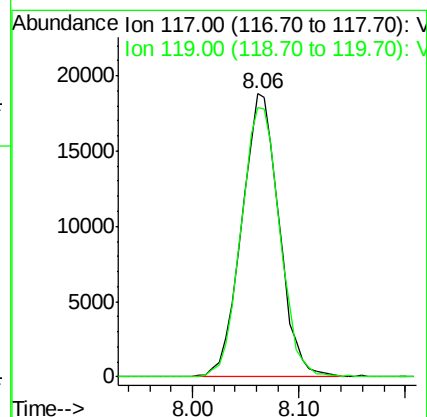
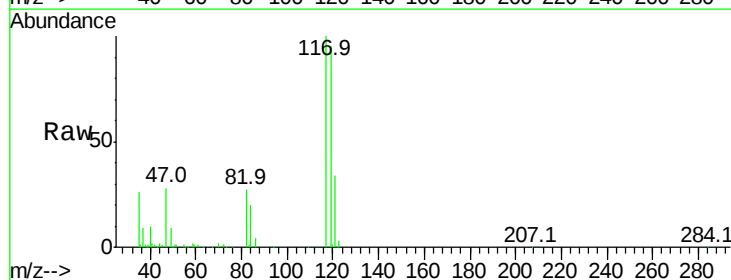
Acq: 14 Mar 2019 14:40

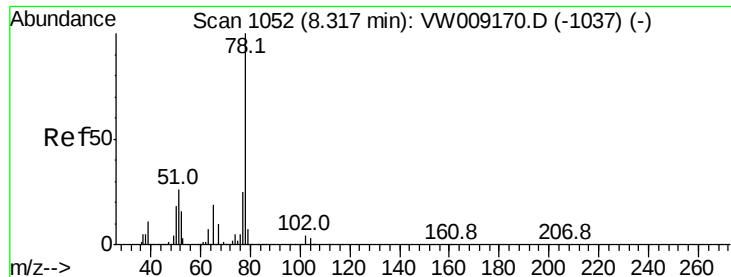
Tgt Ion: 117 Resp: 46248

Ion Ratio Lower Upper

117 100

119 98.5 78.0 117.0





#34

Benzene

Concen: 5.155 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

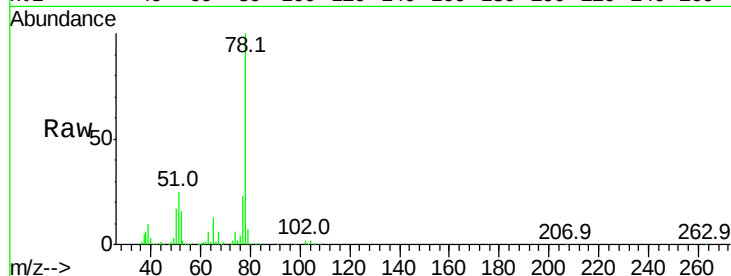
Instrument :

MSVOA_W

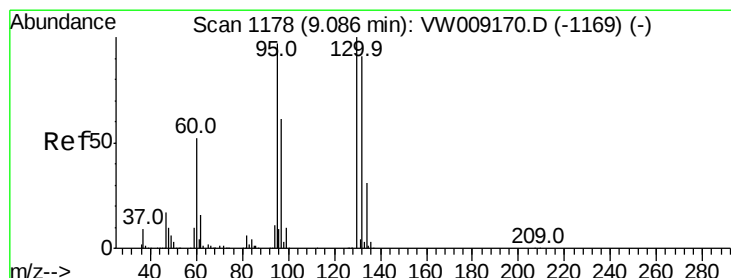
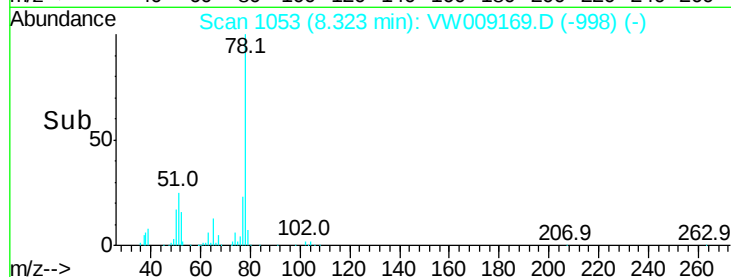
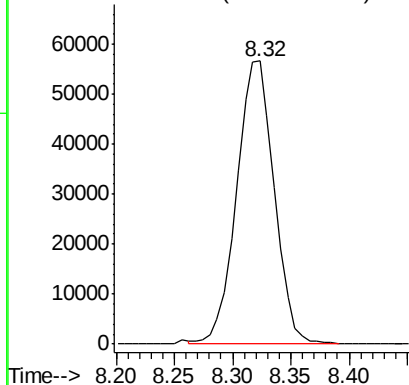
ClientSampleId :

VSTD00502

Tgt Ion: 78 Resp: 127449



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 5.217 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Tgt Ion: 95 Resp: 34808

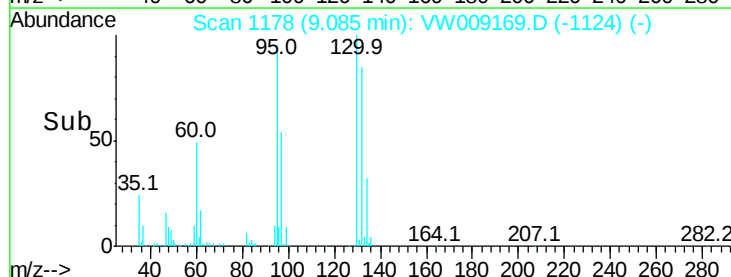
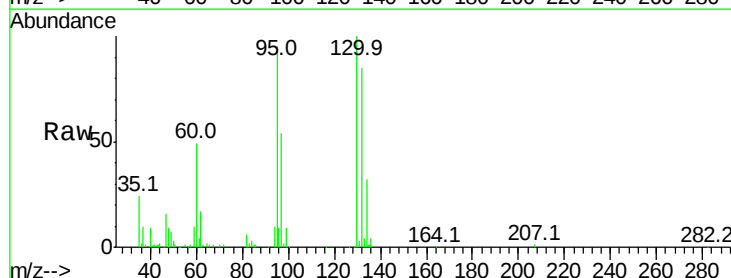
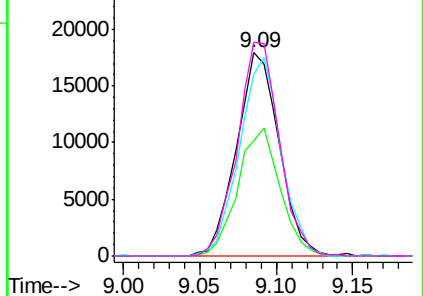
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.7	82.9
132	95.1	69.0	128.2
130	103.6	72.7	134.9

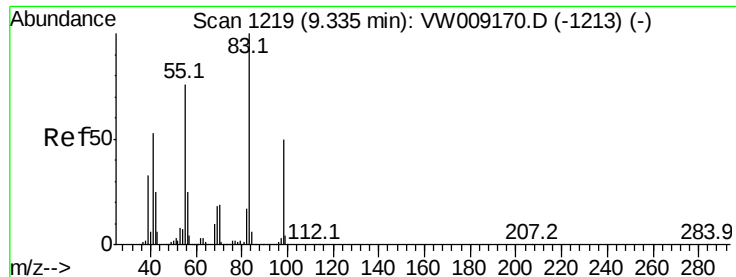
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

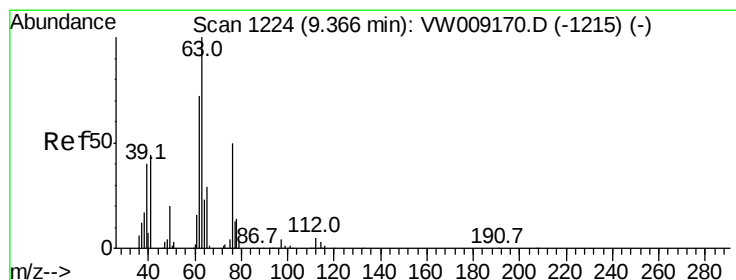
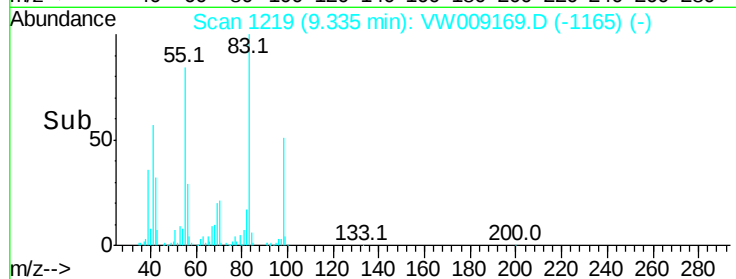
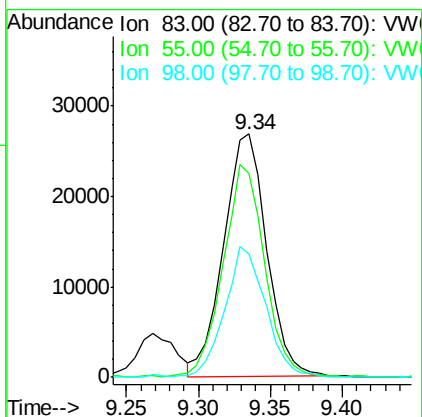
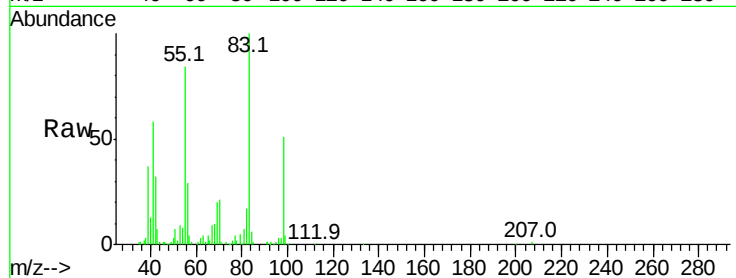




#36
Methylcyclohexane
Concen: 4.725 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

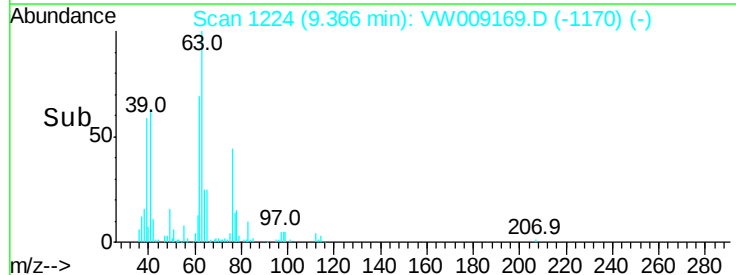
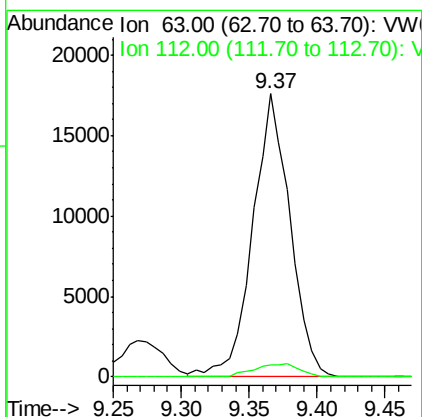
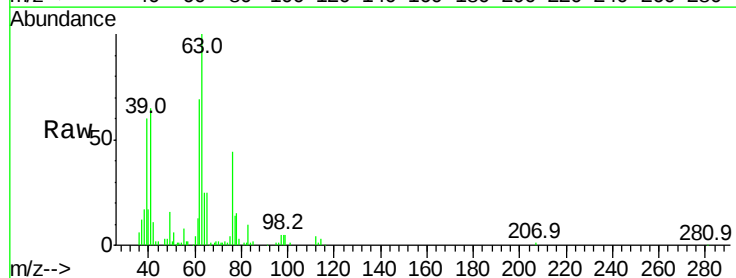
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

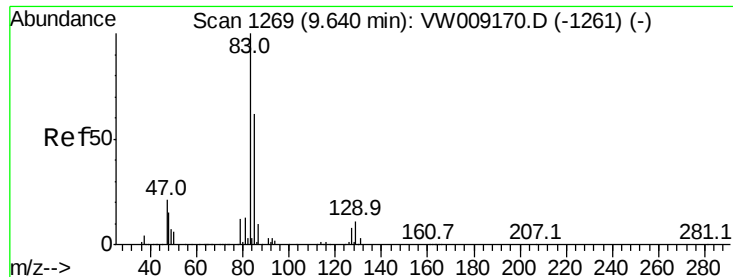
Tgt Ion: 83 Resp: 55949
Ion Ratio Lower Upper
83 100
55 84.8 63.5 95.3
98 51.4 39.8 59.8



#40
1,2-Dichloropropane
Concen: 5.548 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

Tgt Ion: 63 Resp: 33880
Ion Ratio Lower Upper
63 100
112 5.6 4.0 6.0





#41

Bromodichloromethane

Concen: 5.482 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

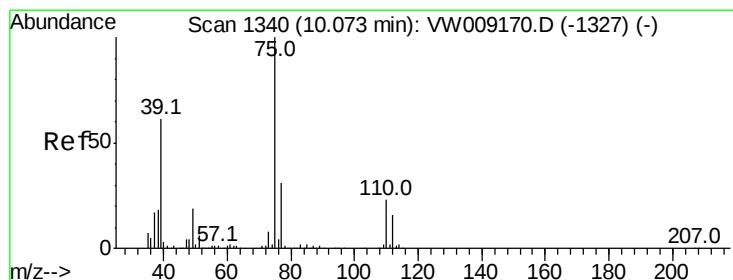
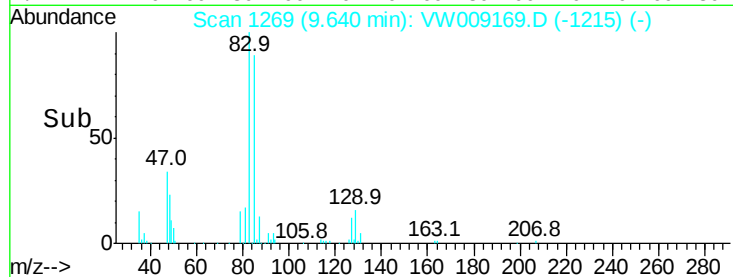
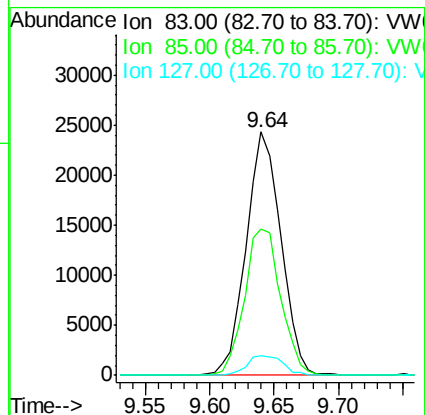
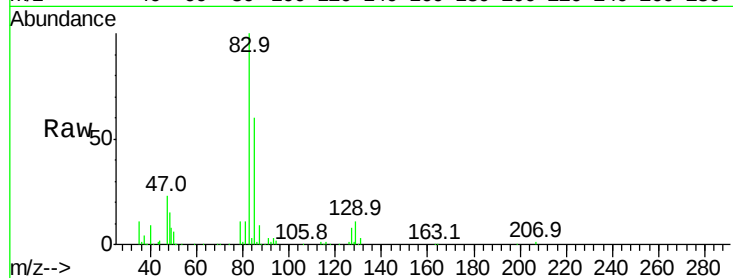
Tgt Ion: 83 Resp: 45520

Ion Ratio Lower Upper

83 100

85 60.1 43.5 80.7

127 8.1 6.2 9.4



#42

cis-1,3-Dichloropropene

Concen: 5.161 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009169.D

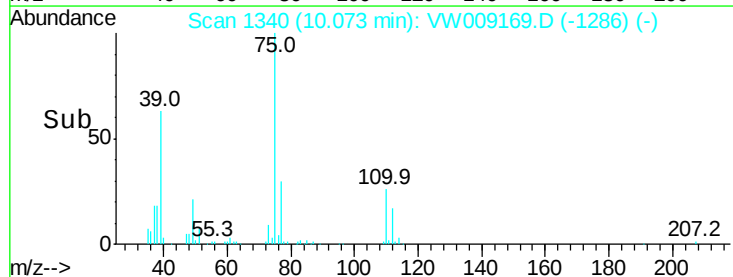
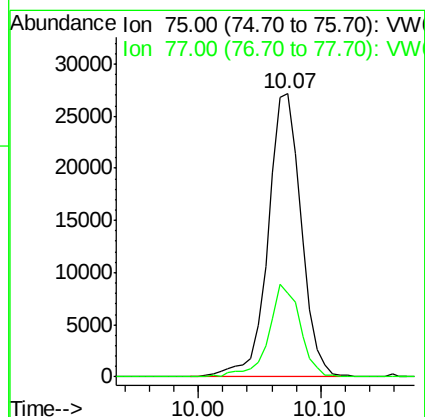
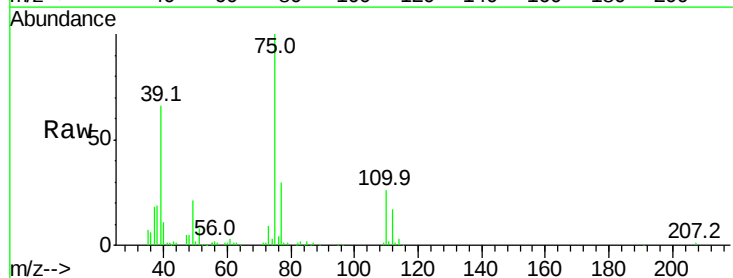
Acq: 14 Mar 2019 14:40

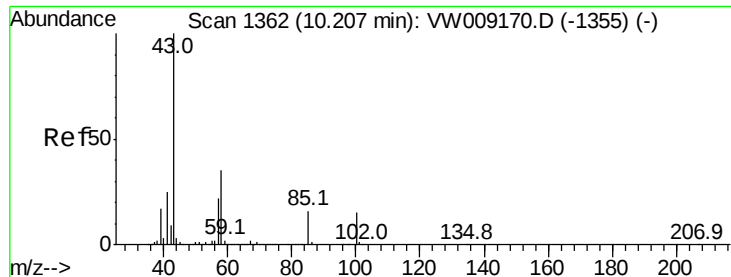
Tgt Ion: 75 Resp: 51120

Ion Ratio Lower Upper

75 100

77 29.7 21.6 40.2





#43

4-Methyl-2-pentanone

Concen: 10.141 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

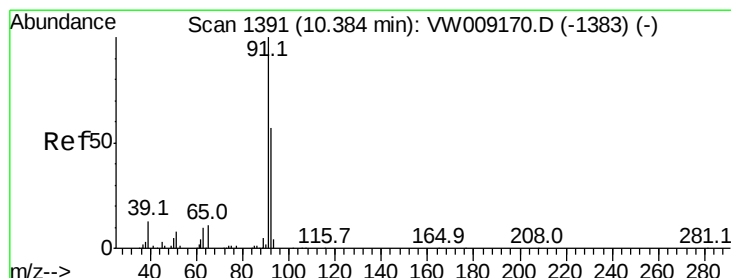
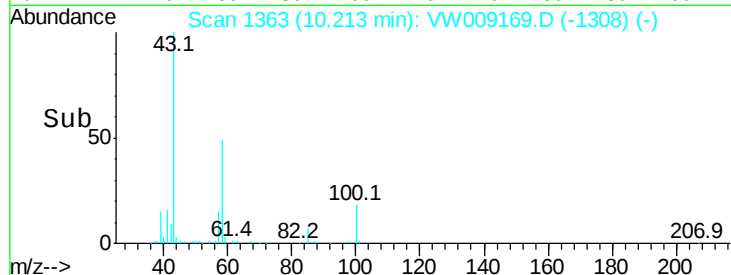
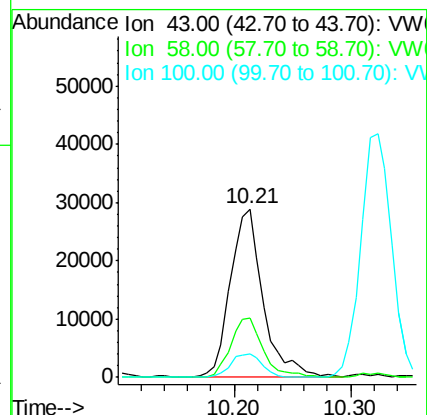
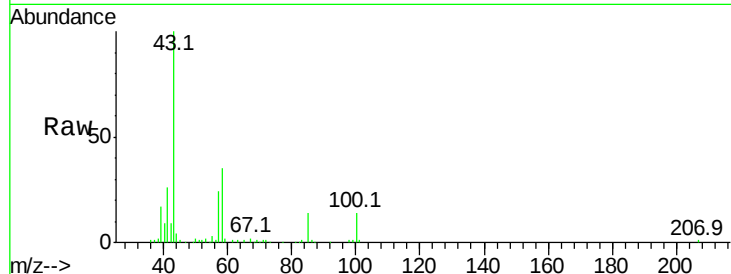
Tgt Ion: 43 Resp: 55929

Ion Ratio Lower Upper

43 100

58 35.2 28.2 42.2

100 13.3 11.4 17.2



#44

Toluene

Concen: 4.884 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009169.D

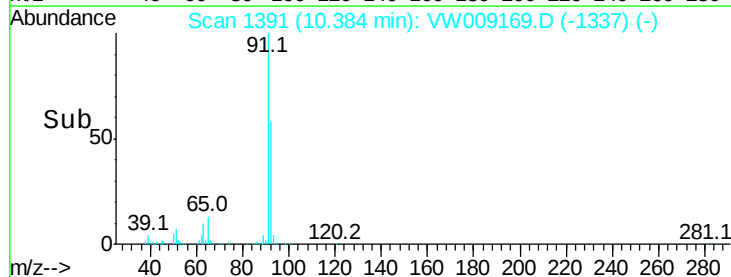
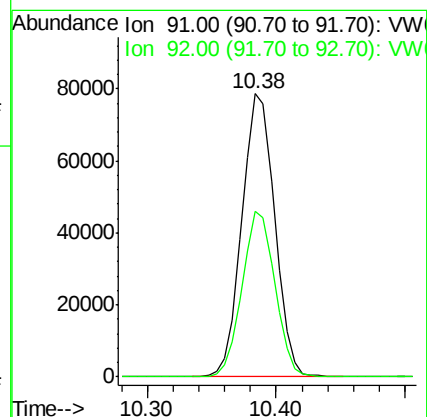
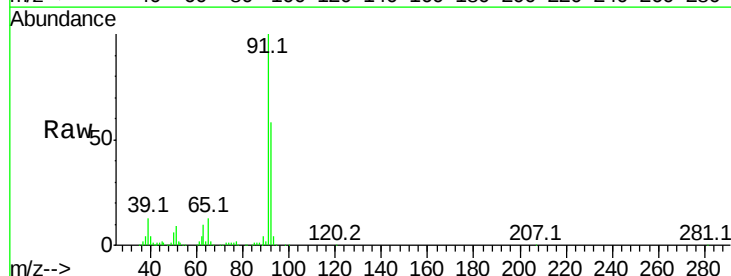
Acq: 14 Mar 2019 14:40

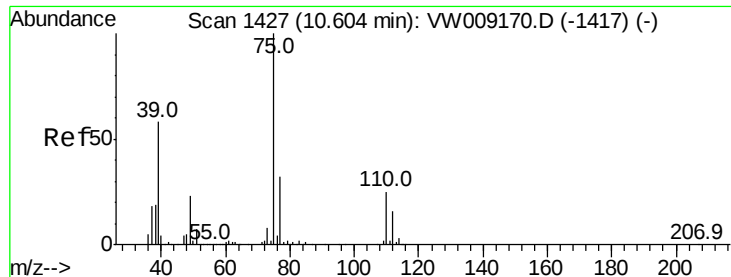
Tgt Ion: 91 Resp: 138817

Ion Ratio Lower Upper

91 100

92 58.3 39.8 73.8





#45

trans-1,3-Dichloropropene

Concen: 5.052 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

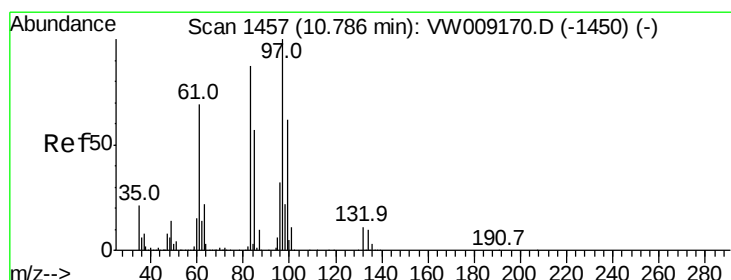
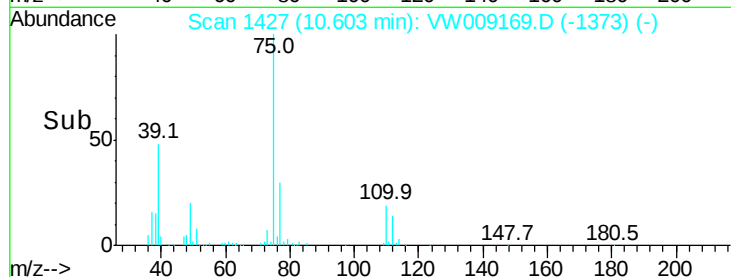
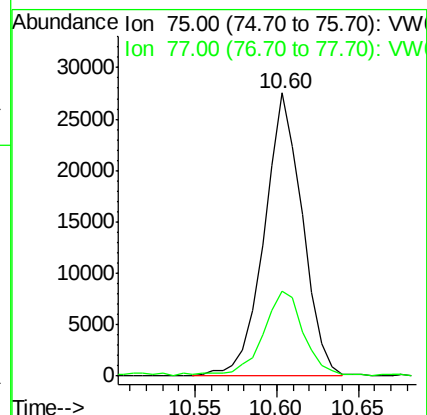
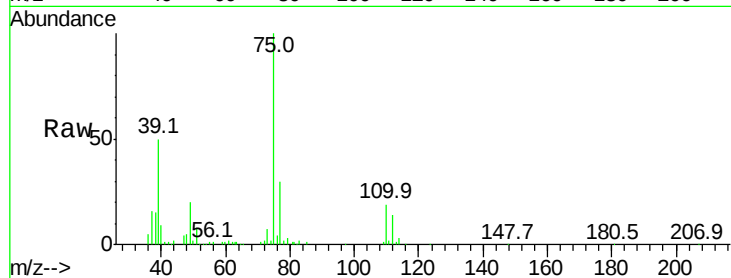
VSTD00502

Tgt Ion: 75 Resp: 44690

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7



#46

1,1,2-Trichloroethane

Concen: 4.969 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Tgt Ion: 97 Resp: 25373

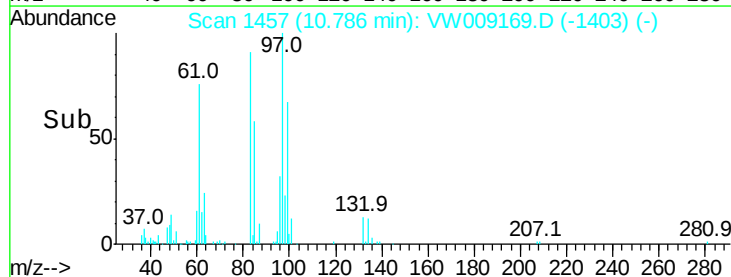
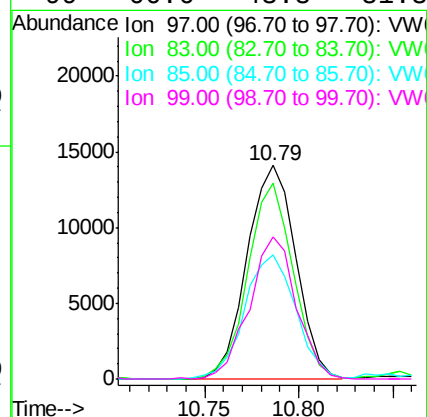
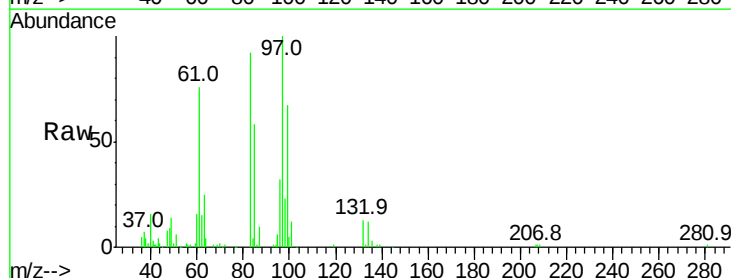
Ion Ratio Lower Upper

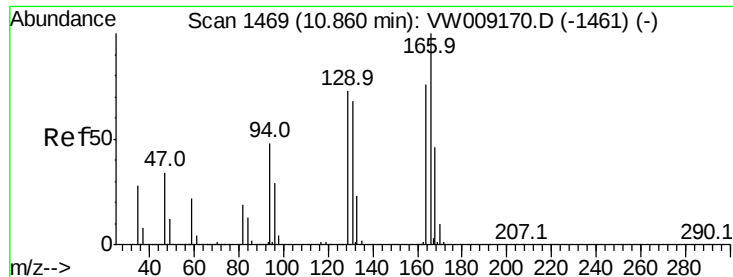
97 100

83 92.0 60.7 112.7

85 58.3 40.1 74.5

99 66.6 43.8 81.3





#47

Tetrachloroethene

Concen: 4.708 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion:164 Resp: 28596

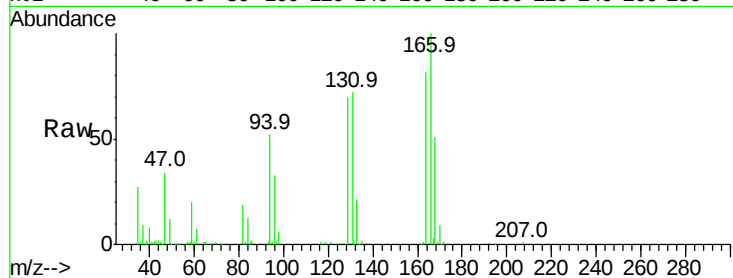
Ion Ratio Lower Upper

164 100

129 85.0 66.5 123.5

131 87.7 62.6 116.3

166 121.5 91.6 170.0

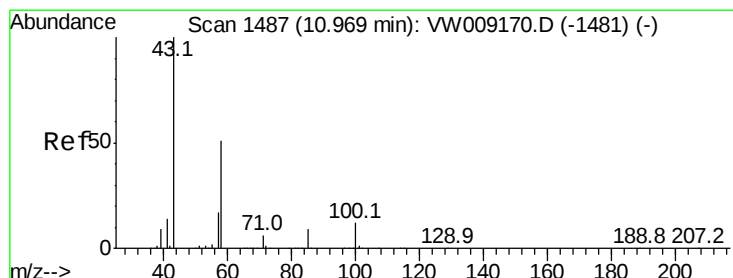
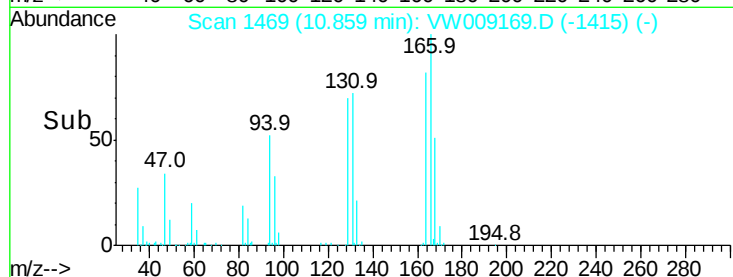
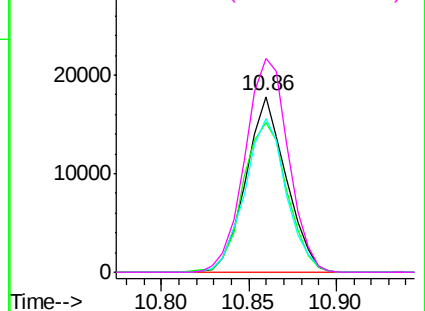


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.481 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Tgt Ion: 43 Resp: 36686

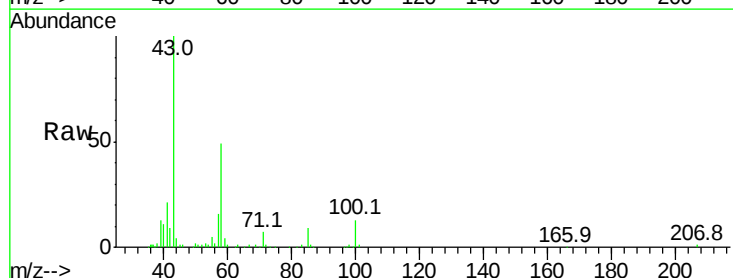
Ion Ratio Lower Upper

43 100

58 47.5 39.2 58.8

57 18.1 14.2 21.2

100 11.5 8.9 13.3

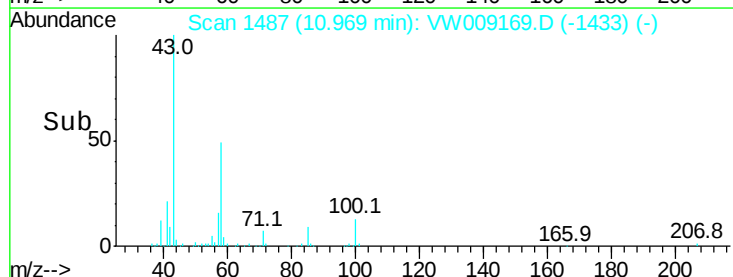
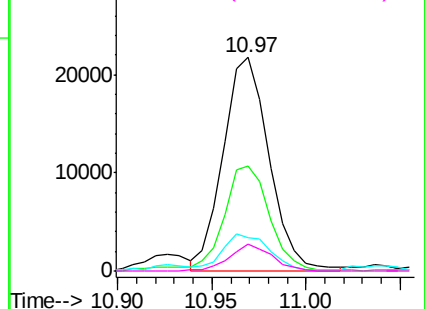


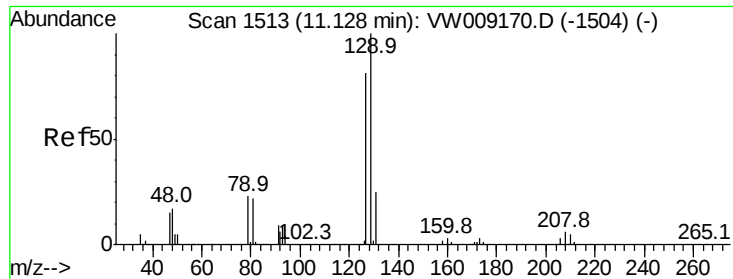
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 4.942 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

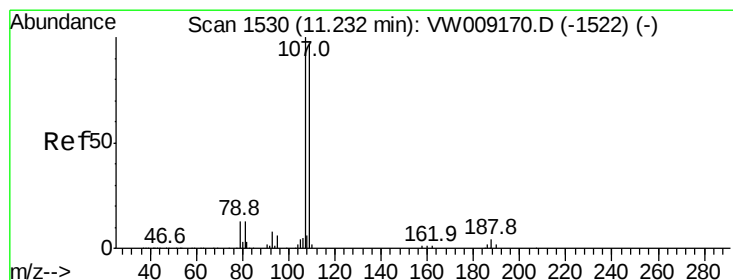
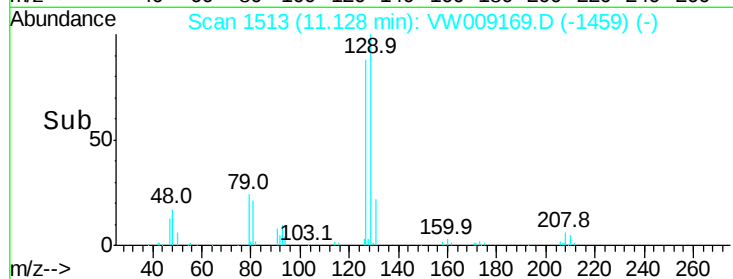
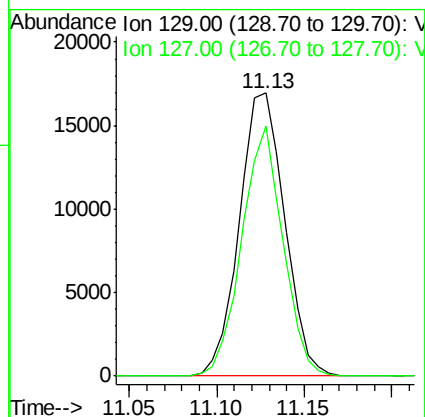
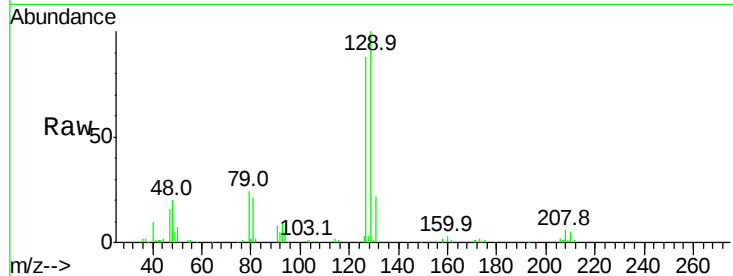
VSTD00502

Tgt Ion:129 Resp: 30587

Ion Ratio Lower Upper

129 100

127 88.4 56.8 105.6



#51

1,2-Dibromoethane

Concen: 5.053 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

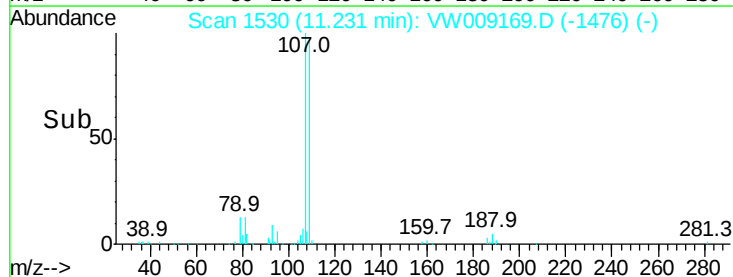
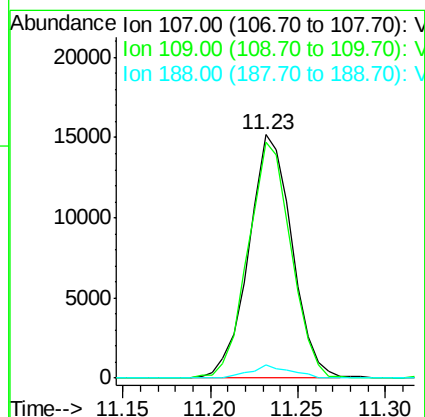
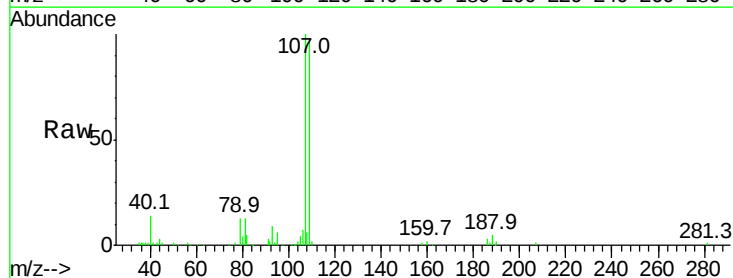
Tgt Ion:107 Resp: 26097

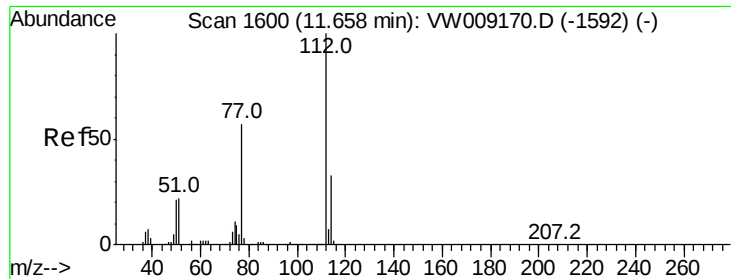
Ion Ratio Lower Upper

107 100

109 96.9 68.0 126.4

188 5.5 3.5 5.3#





#52

Chlorobenzene

Concen: 4.725 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

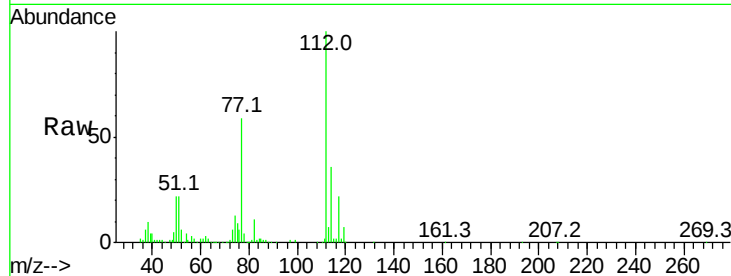
Tgt Ion: 112 Resp: 90373

Ion Ratio Lower Upper

112 100

77 59.1 45.7 68.5

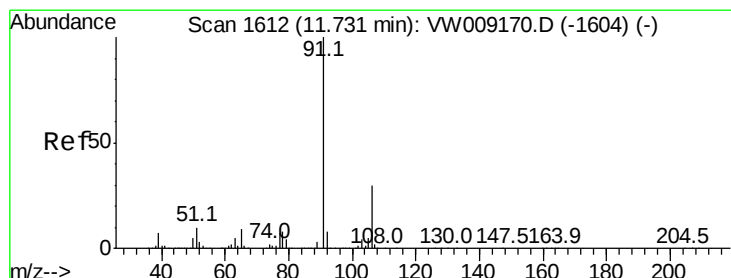
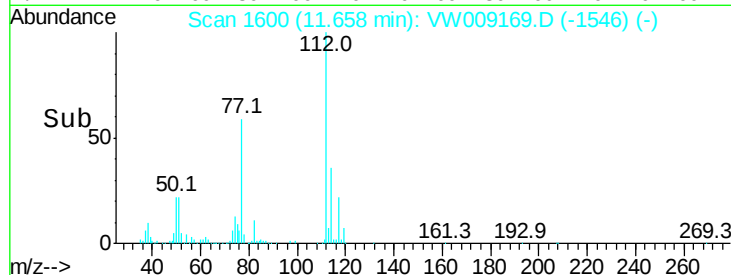
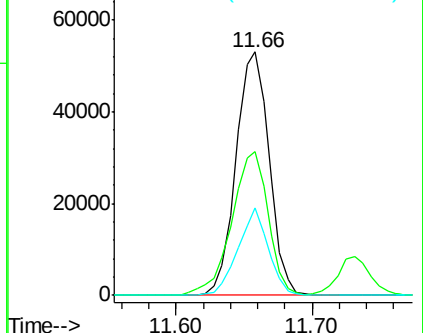
114 35.8 22.8 42.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 4.620 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009169.D

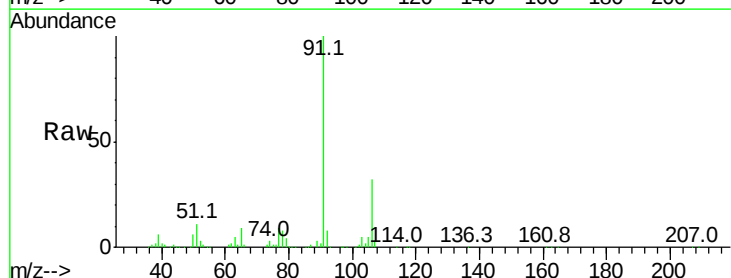
Acq: 14 Mar 2019 14:40

Tgt Ion: 91 Resp: 152549

Ion Ratio Lower Upper

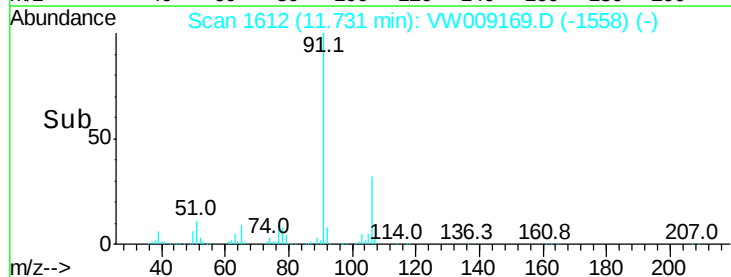
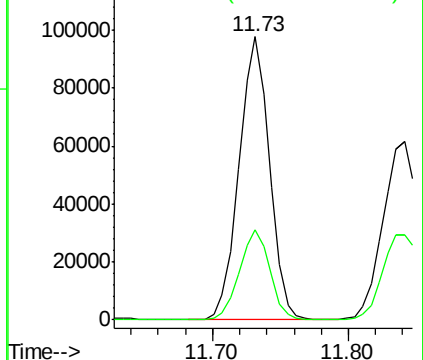
91 100

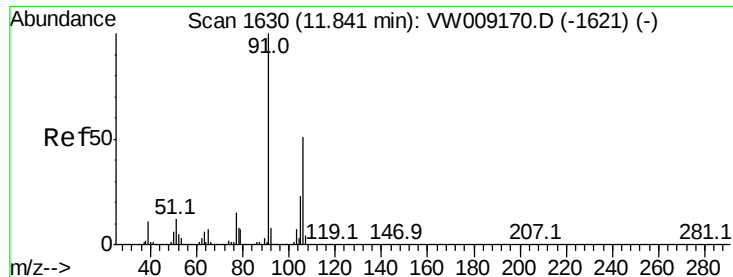
106 31.8 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.431 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

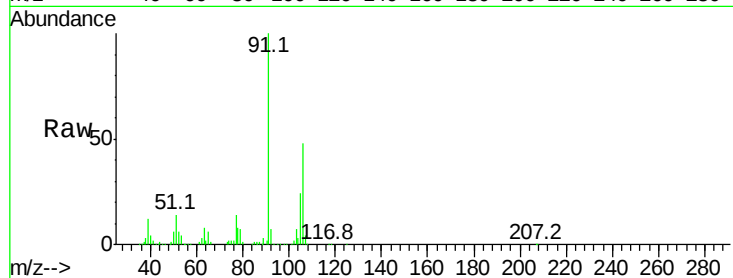
VSTD00502

Tgt Ion:106 Resp: 57543

Ion Ratio Lower Upper

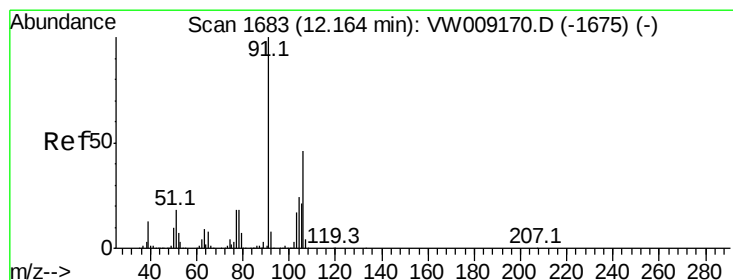
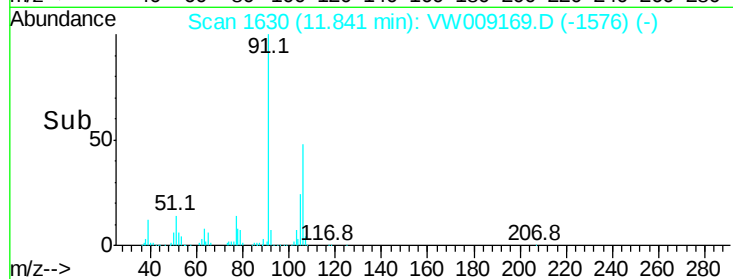
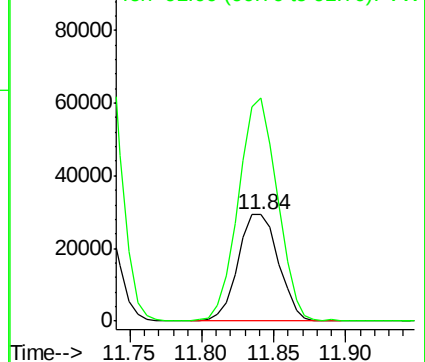
106 100

91 209.2 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.430 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW009169.D

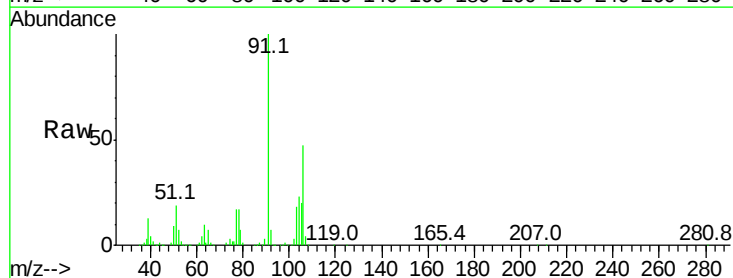
Acq: 14 Mar 2019 14:40

Tgt Ion:106 Resp: 55337

Ion Ratio Lower Upper

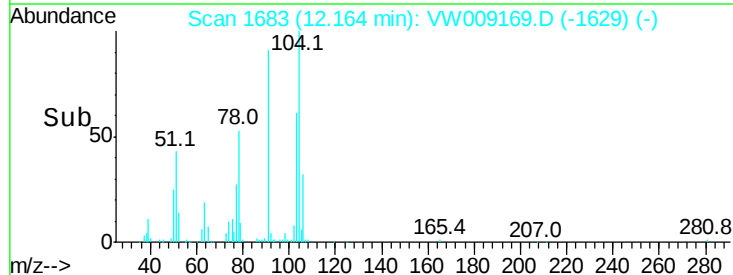
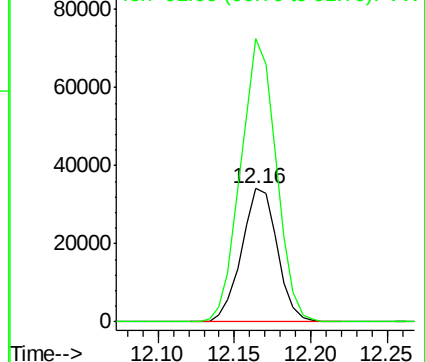
106 100

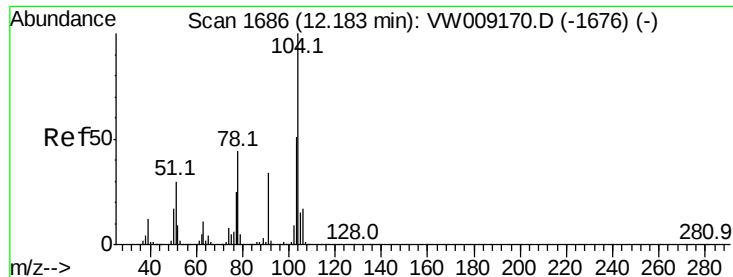
91 212.7 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 4.375 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

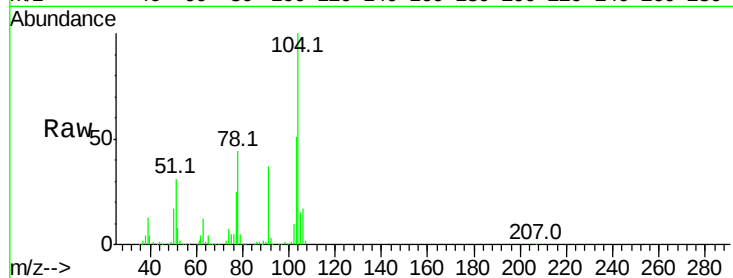
VSTD00502

Tgt Ion:104 Resp: 91661

Ion Ratio Lower Upper

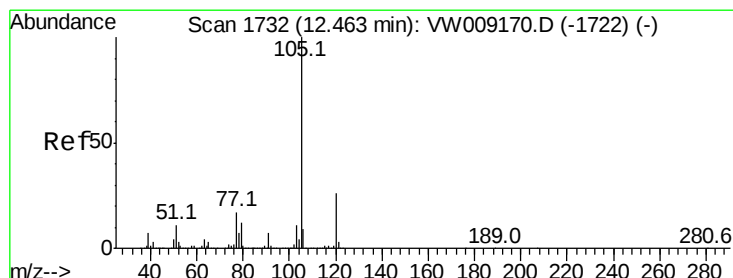
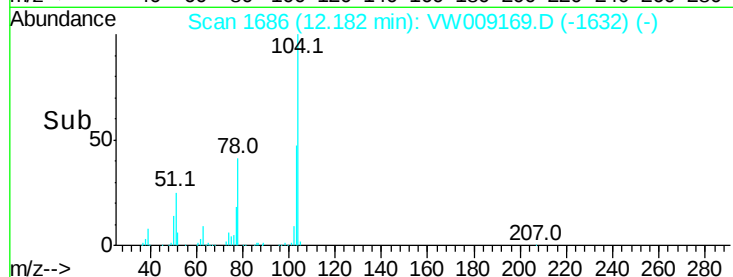
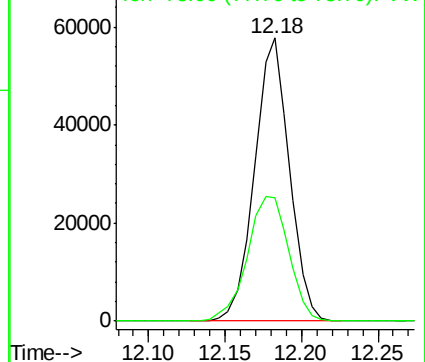
104 100

78 43.6 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 4.431 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

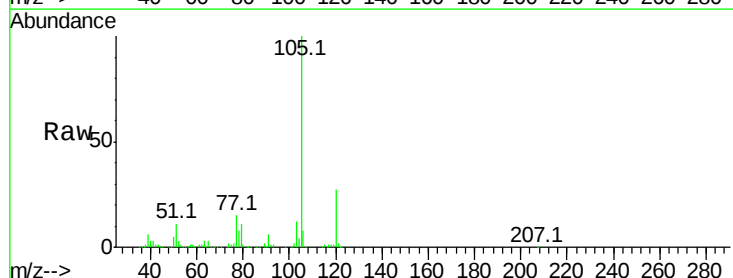
Tgt Ion:105 Resp: 147670

Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

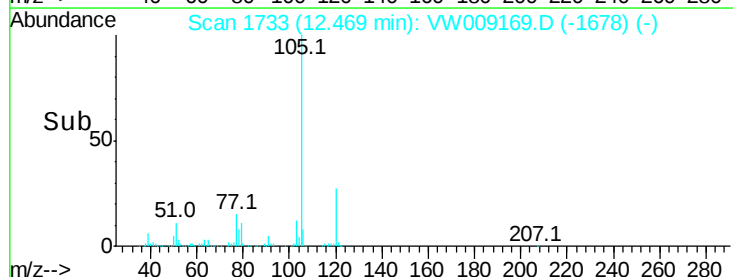
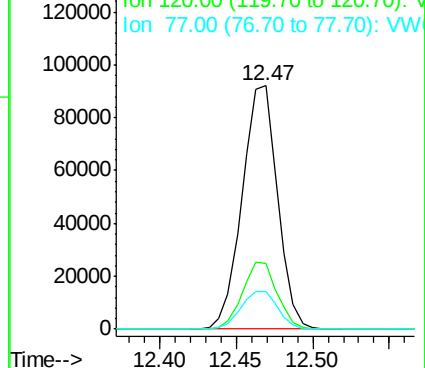
77 16.2 13.1 19.7

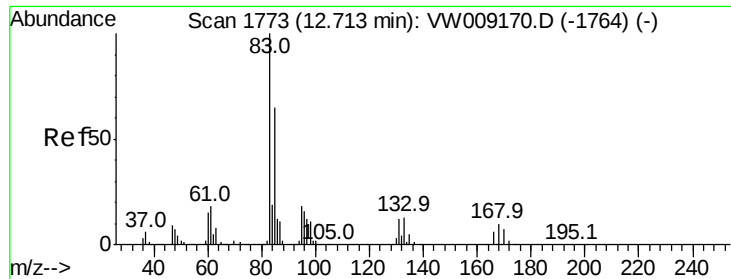


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 5.040 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

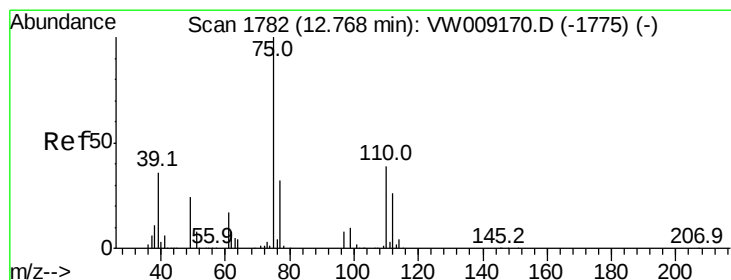
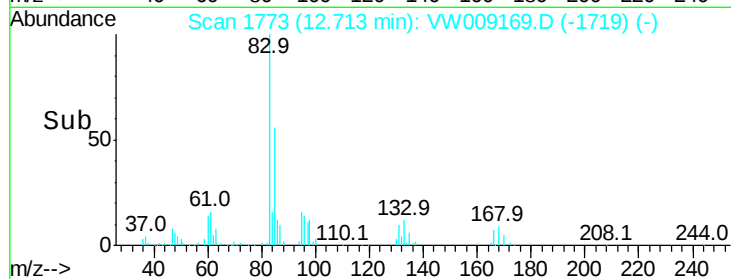
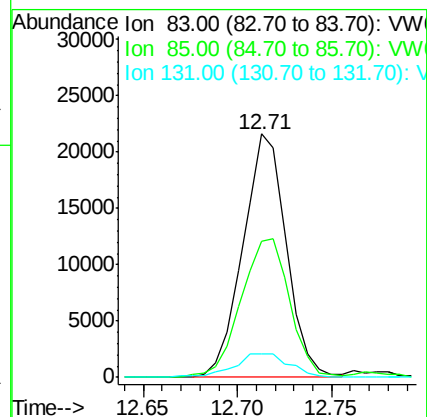
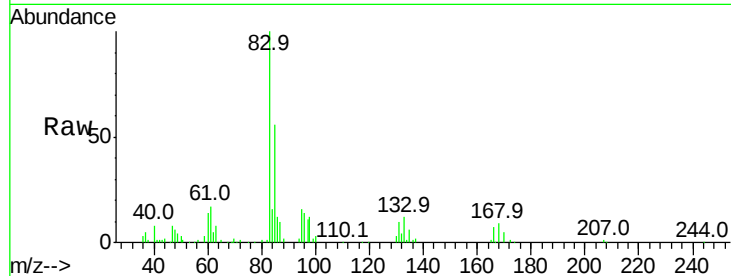
Tgt Ion: 83 Resp: 34521

Ion Ratio Lower Upper

83 100

85 55.9 45.6 84.8

131 9.6 9.2 13.8



#59

1,2,3-Trichloropropane

Concen: 5.137 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009169.D

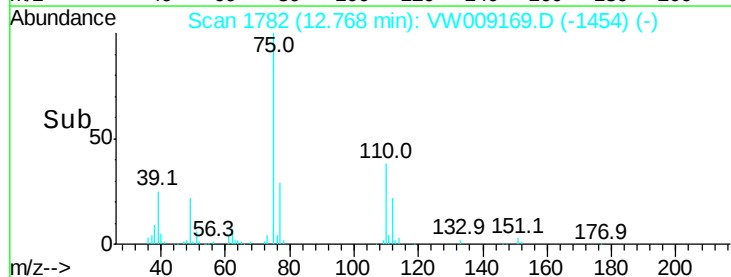
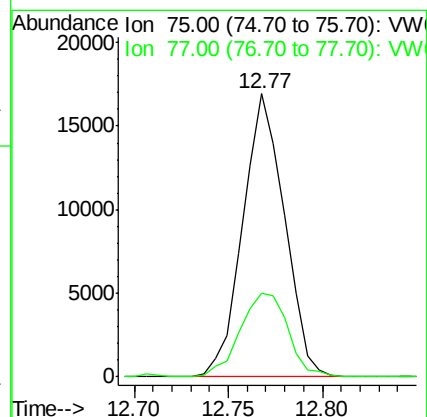
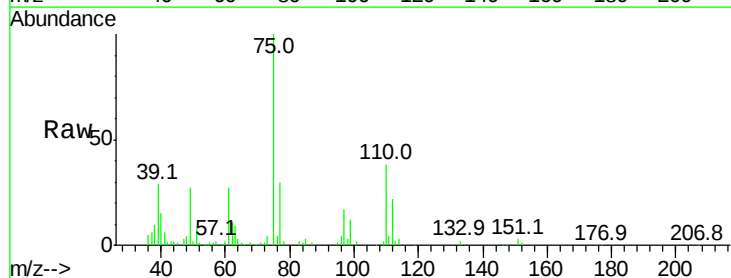
Acq: 14 Mar 2019 14:40

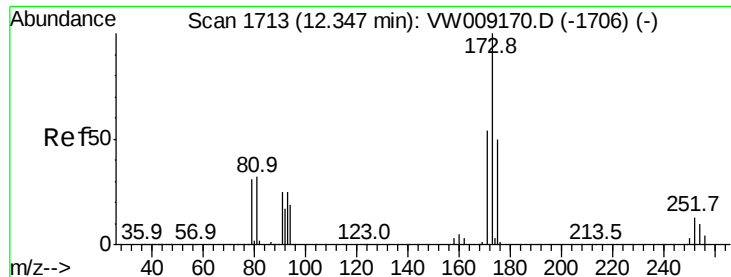
Tgt Ion: 75 Resp: 26019

Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.2

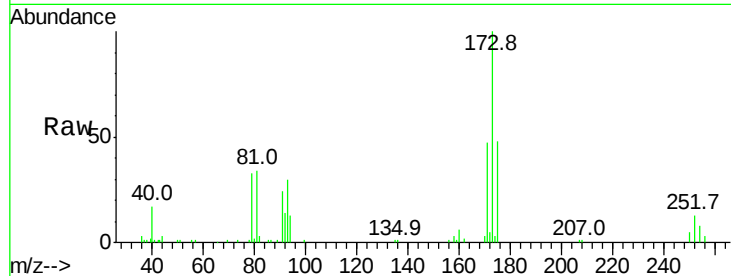




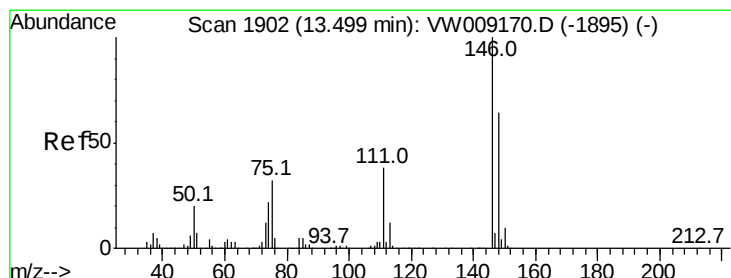
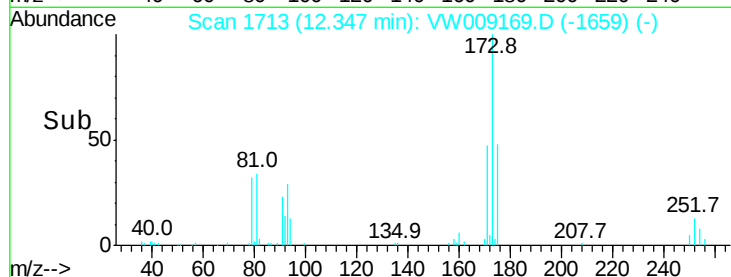
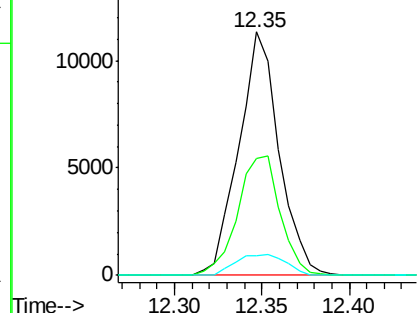
#62
Bromoform
Concen: 5.068 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

Instrument :
MSVOA_W
ClientSampled :
VSTD00502

Tgt Ion:173 Resp: 18177
Ion Ratio Lower Upper
173 100
175 51.8 39.7 59.5
254 10.6 8.5 12.7

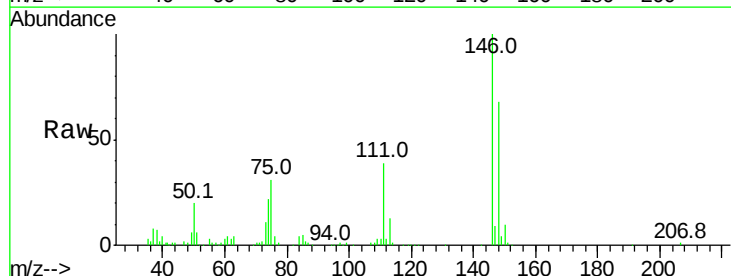


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

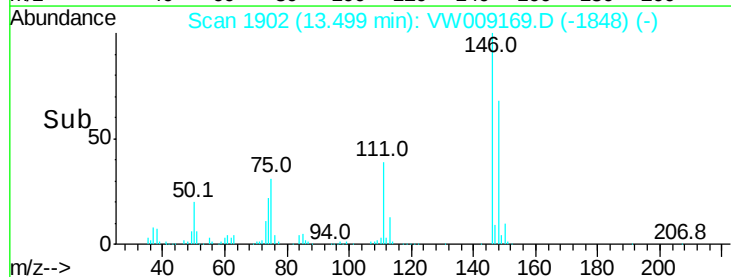
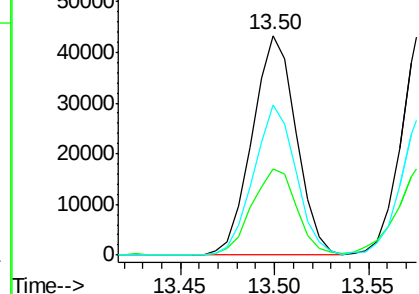


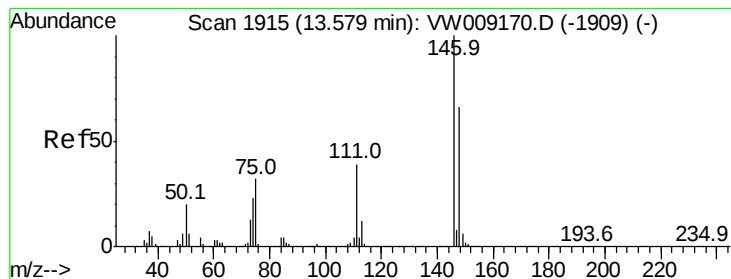
#63
1,3-Dichlorobenzene
Concen: 4.624 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW009169.D
Acq: 14 Mar 2019 14:40

Tgt Ion:146 Resp: 69909
Ion Ratio Lower Upper
146 100
111 39.1 26.9 49.9
148 68.0 45.1 83.7



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





#64

1,4-Dichlorobenzene

Concen: 4.869 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

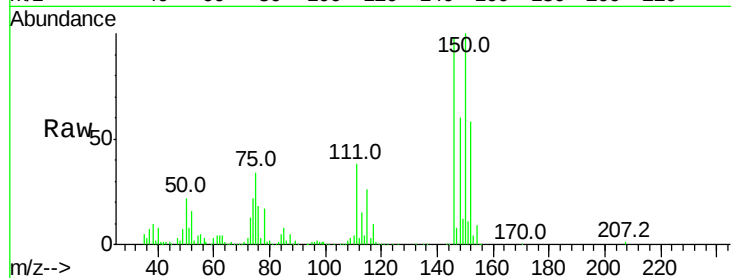
Tgt Ion:146 Resp: 74793

Ion Ratio Lower Upper

146 100

111 38.5 27.8 51.6

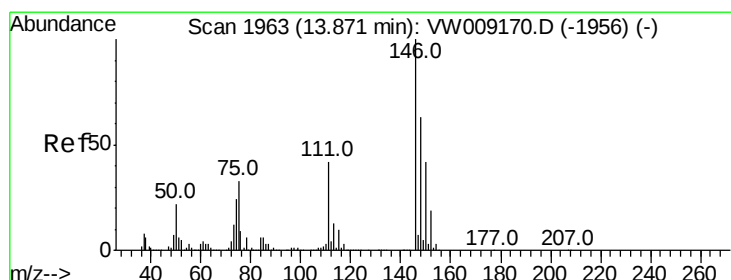
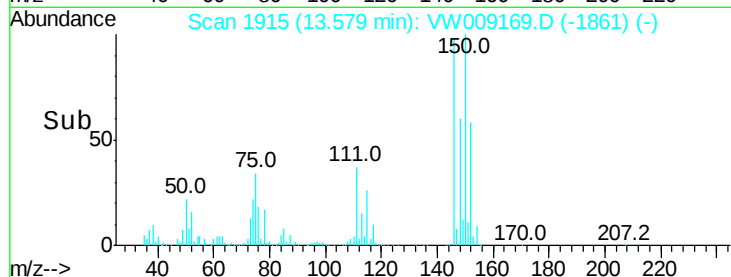
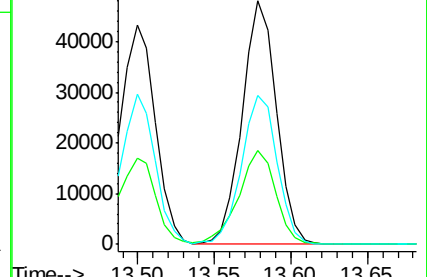
148 61.3 46.3 86.1



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: 4.864 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009169.D

Acq: 14 Mar 2019 14:40

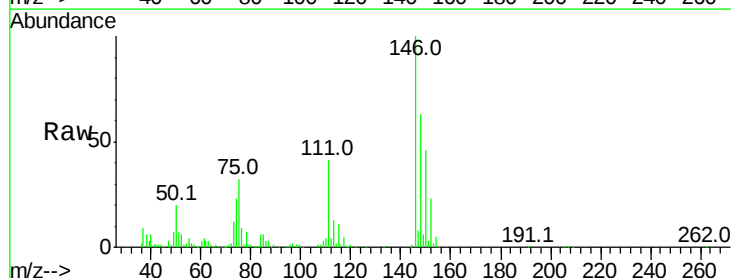
Tgt Ion:146 Resp: 68116

Ion Ratio Lower Upper

146 100

111 40.6 33.5 50.3

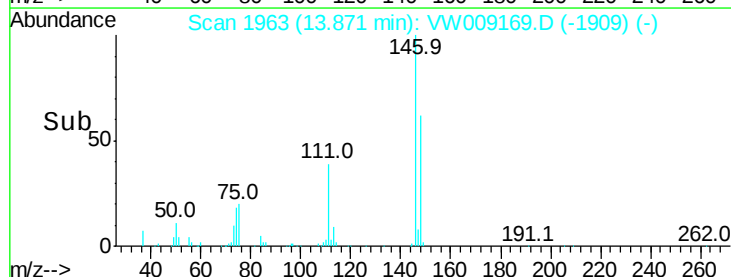
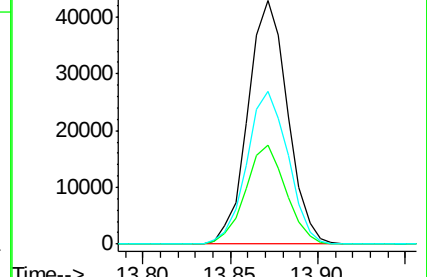
148 62.6 50.2 75.2

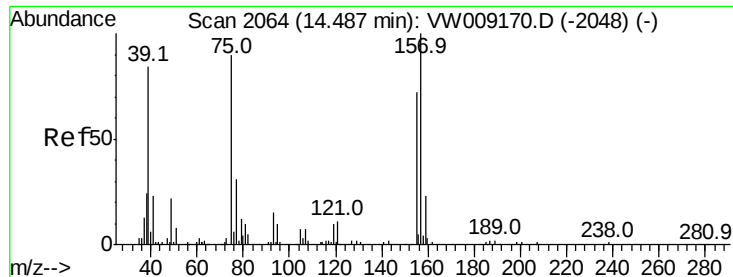


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

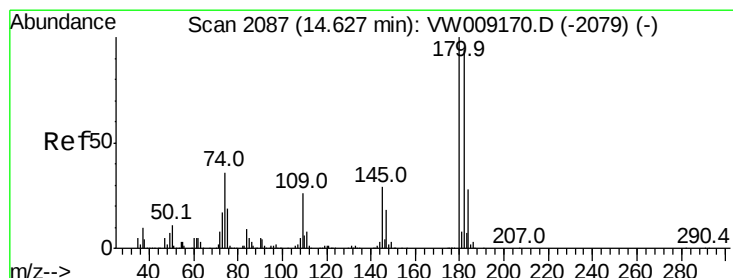
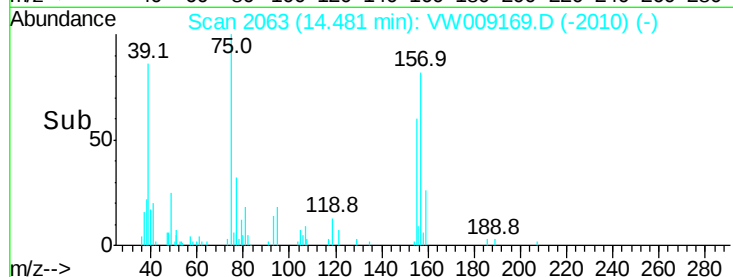
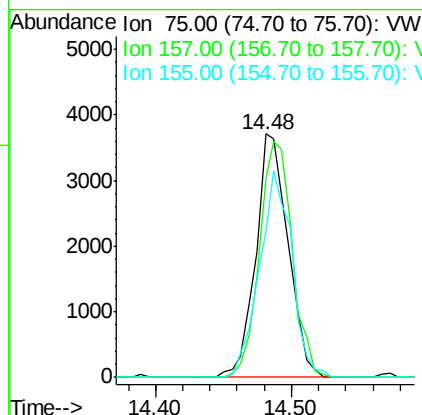
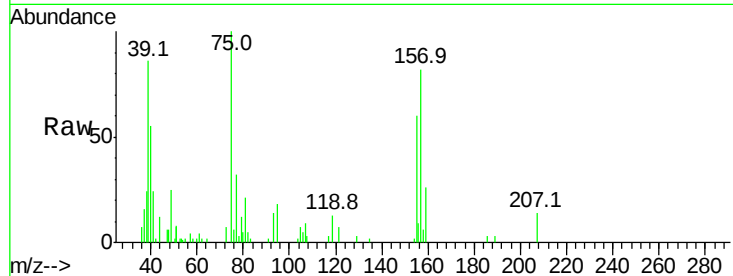




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.976 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW009169.D
 Acq: 14 Mar 2019 14:40

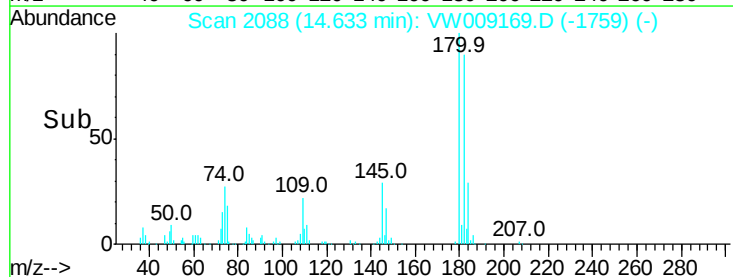
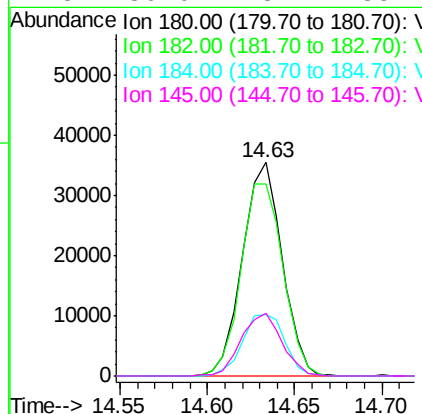
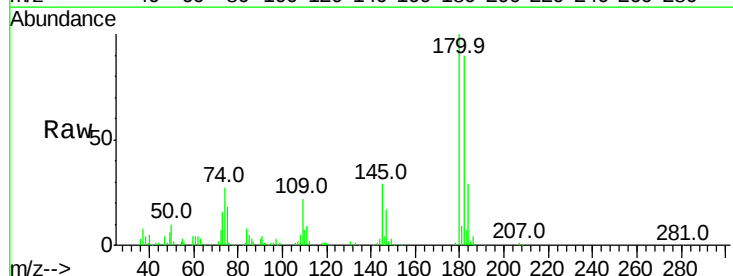
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

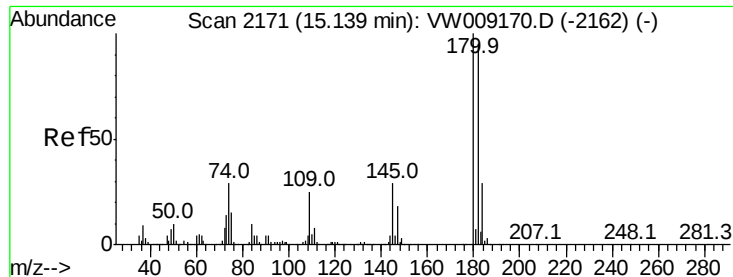
Tgt Ion: 75 Resp: 6187
 Ion Ratio Lower Upper
 75 100
 157 81.5 89.0 133.4#
 155 60.2 64.2 96.2#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.716 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW009169.D
 Acq: 14 Mar 2019 14:40

Tgt Ion: 180 Resp: 56140
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.1 114.1
 184 30.7 23.8 35.6
 145 30.0 23.4 35.2

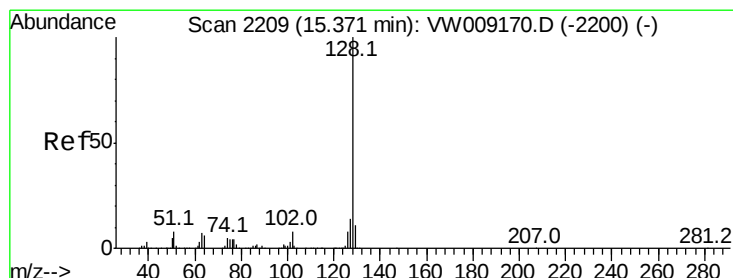
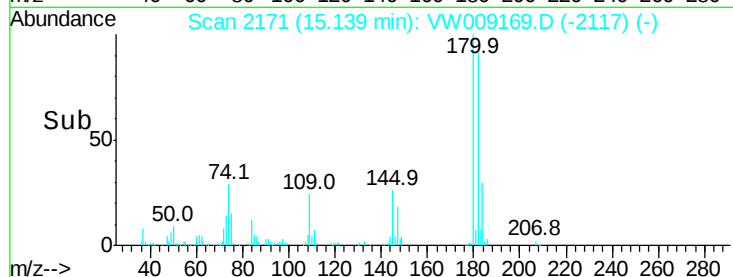
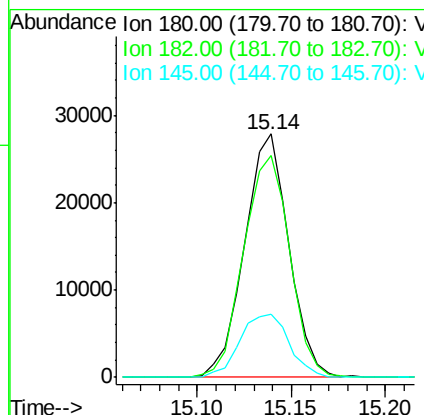
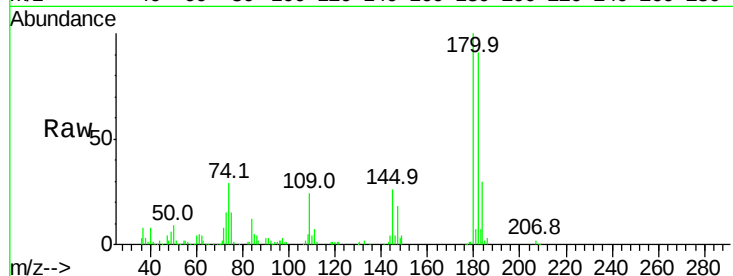




#68
 1,2,4-trichlorobenzene
 Concen: 4.426 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009169.D
 Acq: 14 Mar 2019 14:40

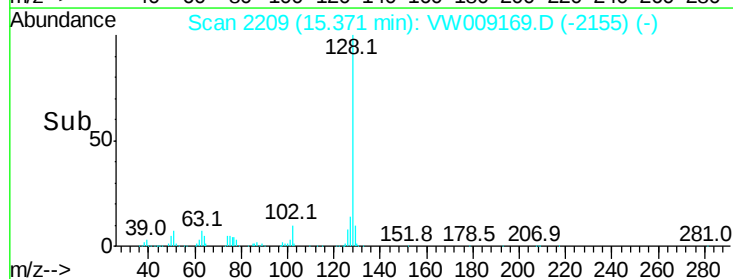
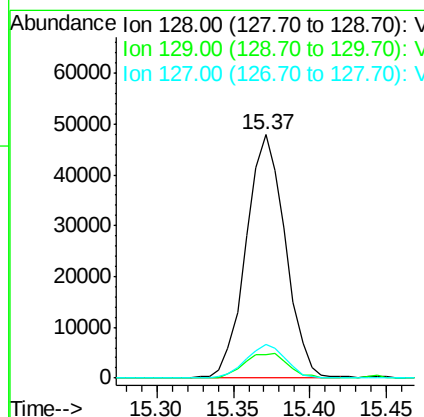
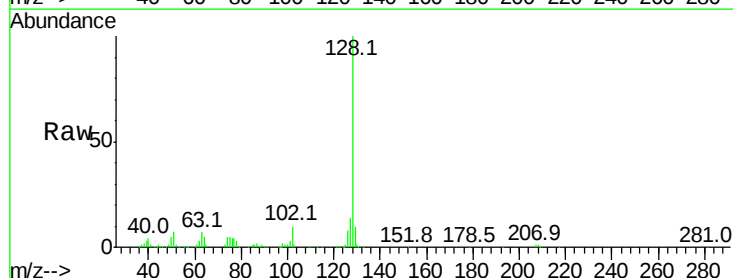
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

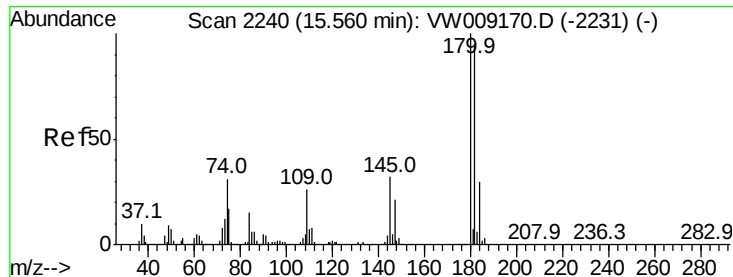
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45386		
182	94.9		75.5	113.3
145	28.9		24.1	36.1



#69
 Naphthalene
 Concen: 4.052 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW009169.D
 Acq: 14 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	85536		
129	11.4		8.7	13.1
127	13.9		11.1	16.7

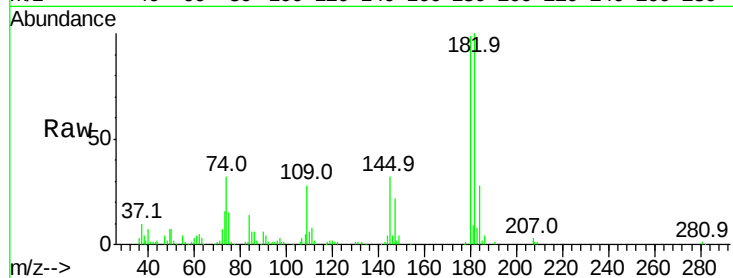




#70
 1,2,3-Trichlorobenzene
 Concen: 4.589 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW009169.D
 Acq: 14 Mar 2019 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43235		
182	95.8		77.2	115.8
145	33.1		25.8	38.6



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

