

Data File : VW005352.D
Acq On : 13 Sep 2018 13:53
Operator : SY/AP
Sample : VSTD2.581
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

Quant Time: Sep 13 17:59:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 13 17:26:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	273739	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	275716	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	141906	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	8865	2.83	ug/L	0.00
7) Chloroethane-d5	2.88	69	6393	2.93	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	15690	2.83	ug/L	0.00
20) 2-Butanone-d5	7.10	46	5055	4.45	ug/L	0.01
24) Chloroform-d	7.65	84	12632	2.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.32	65	8375	2.59	ug/L	0.00
29) Benzene-d6	8.29	84	27382	2.52	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	7861	2.52	ug/L	0.00
37) Toluene-d8	10.33	98	26193	2.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	3675	2.37	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3926	4.20	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	7534	2.33	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	10704	2.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	12497	2.193 ug/L	98
3) Chloromethane	2.22	50	12420	2.358 ug/L	99
5) Vinyl chloride	2.36	62	11517	2.297 ug/L	98
6) Bromomethane	2.77	94	6051	2.326 ug/L	90
8) Chloroethane	2.92	64	6569	2.464 ug/L	87
9) Trichlorofluoromethane	3.26	101	16436	2.513 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	3905	1.089 ug/L #	41
12) 1,1-Dichloroethene	4.04	96	7503	2.500 ug/L #	73
13) Acetone	4.14	43	7330	6.675 ug/L	86
14) Carbon disulfide	4.39	76	27941	2.355 ug/L	100
15) Methyl Acetate	4.69	43	6028	2.472 ug/L #	86
16) Methylene chloride	4.92	84	21586	4.111 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	19919	2.381 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	8142	2.390 ug/L	92
19) 1,1-Dichloroethane	6.23	63	15661	2.531 ug/L	97
21) 2-Butanone	7.18	43	10276	6.182 ug/L	95
22) cis-1,2-Dichloroethene	7.18	96	9069	2.507 ug/L	99
23) Bromochloromethane	7.52	128	4073	2.393 ug/L #	79
25) Chloroform	7.69	83	16909	2.597 ug/L	100
27) 1,2-Dichloroethane	8.41	62	12623	2.490 ug/L	97
30) Cyclohexane	7.96	56	12492	1.989 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	14928	2.364 ug/L	98
32) Carbon tetrachloride	8.07	117	13731	2.339 ug/L	100
34) Benzene	8.33	78	36388	2.335 ug/L	100
35) Trichloroethene	9.10	95	9614	2.325 ug/L	98
36) Methylcyclohexane	9.34	83	15415	2.176 ug/L	99
40) 1,2-Dichloropropane	9.38	63	9114	2.367 ug/L	99
41) Bromodichloromethane	9.65	83	11782	2.372 ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	12569	2.204 ug/L	94
43) 4-Methyl-2-pentanone	10.22	43	15836	4.387 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Thu Sep 13 17:26:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	39126	2.175	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	11757	2.209	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	7231	2.388	ug/L	95
47) Tetrachloroethene	10.87	164	8836	2.372	ug/L	96
49) 2-Hexanone	10.98	43	10045	3.744	ug/L	96
50) Dibromochloromethane	11.13	129	8049	2.202	ug/L	94
51) 1,2-Dibromoethane	11.24	107	7017	2.364	ug/L	91
52) Chlorobenzene	11.66	112	27862	2.380	ug/L	100
53) Ethylbenzene	11.74	91	46764	2.257	ug/L	98
54) m,p-Xylene	11.85	106	16808	2.148	ug/L	97
55) o-xylene	12.18	106	15612	2.131	ug/L	88
56) Styrene	12.19	104	26820	2.125	ug/L	95
57) Isopropylbenzene	12.47	105	42000	2.069	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.73	83	9827	2.381	ug/L #	92
59) 1,2,3-Trichloropropane	12.78	75	8467	2.422	ug/L	96
62) Bromoform	12.35	173	5580	2.310	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	22194	2.430	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	23151	2.414	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	21588	2.436	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	2382	2.564	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.64	180	17474	2.392	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	13805	2.289	ug/L	98
69) Naphthalene	15.38	128	27519	2.134	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	12755	2.260	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

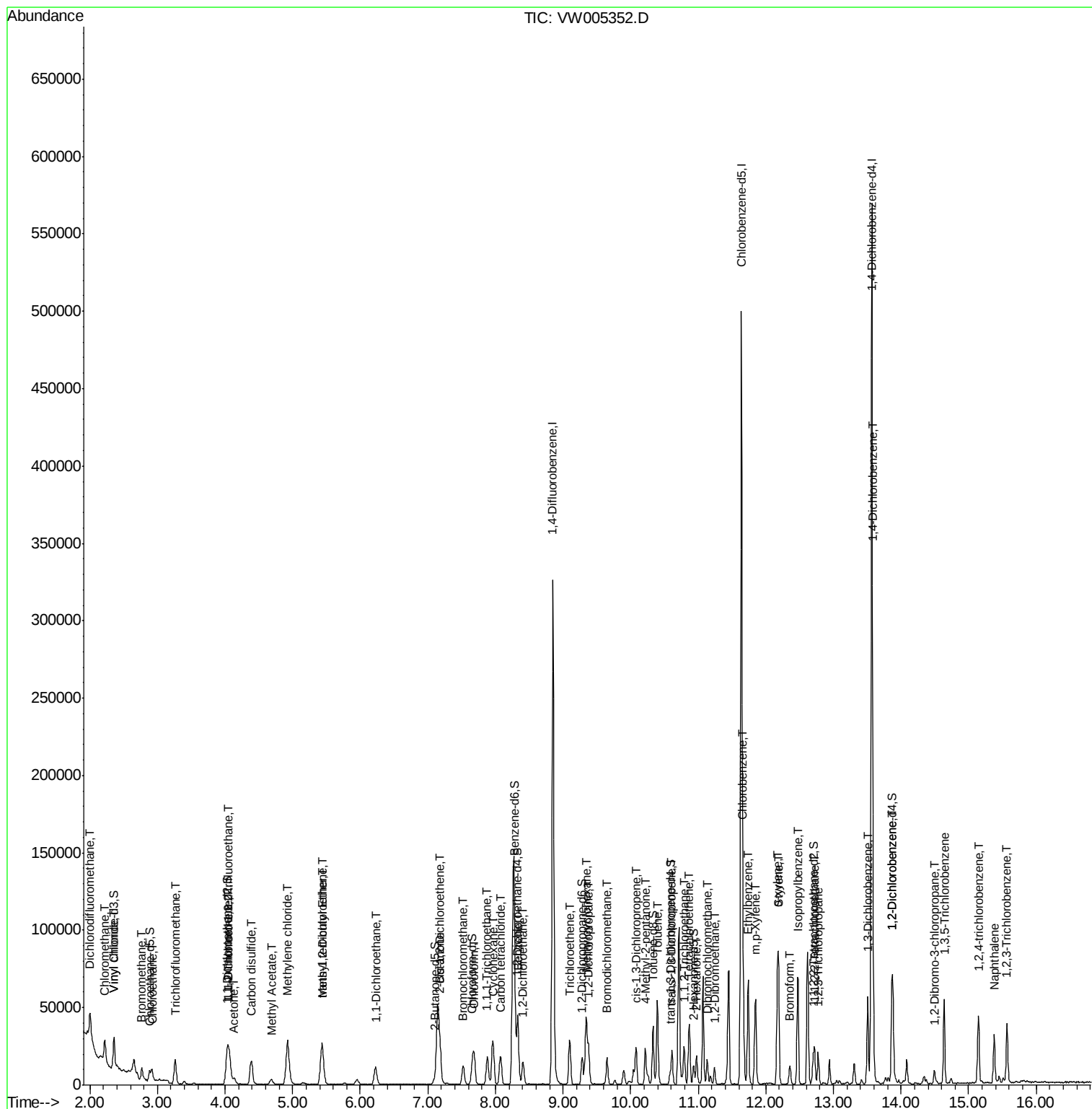
Quant Time: Sep 13 17:59:35 2018

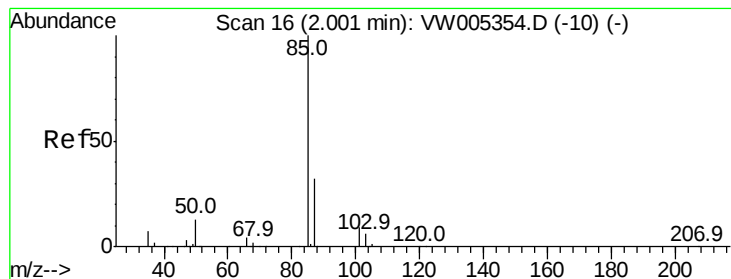
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M

Quant Title : VOC Analysis

QLast Update : Thu Sep 13 17:26:24 2018

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#2

Dichlorodifluoromethane

Concen: 2.193 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

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Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

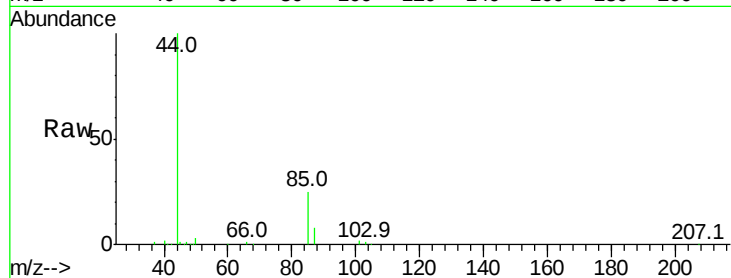
VSTD2.581

Tgt Ion: 85 Resp: 12497

Ion Ratio Lower Upper

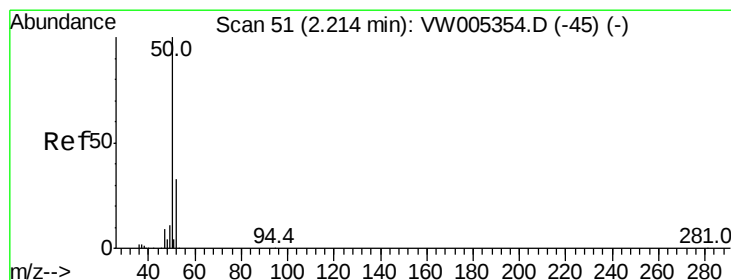
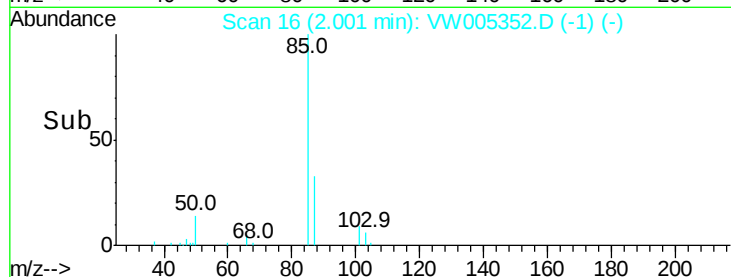
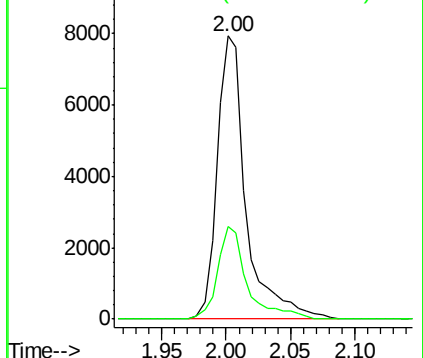
85 100

87 33.5 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.358 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005352.D

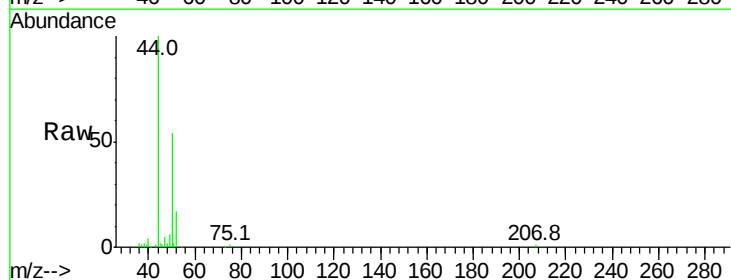
Acq: 13 Sep 2018 13:53

Tgt Ion: 50 Resp: 12420

Ion Ratio Lower Upper

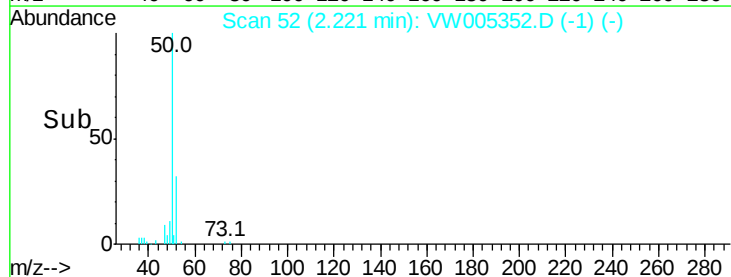
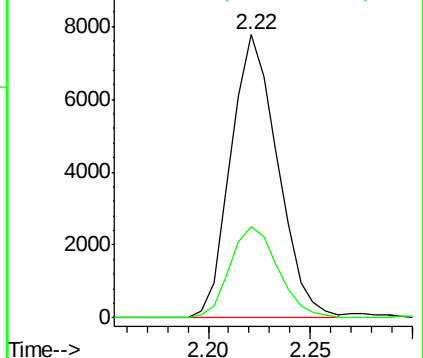
50 100

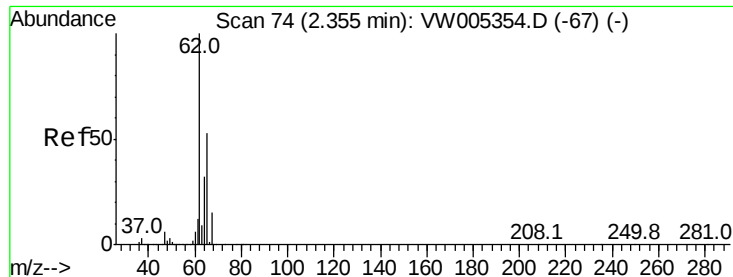
52 32.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.297 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

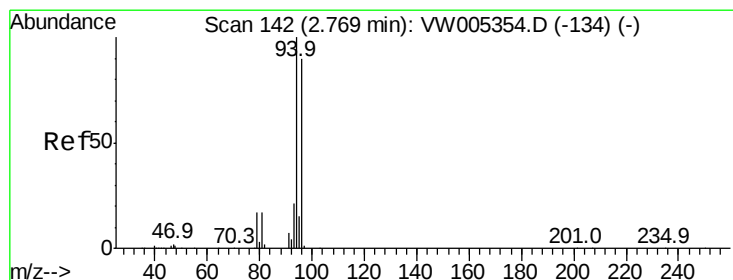
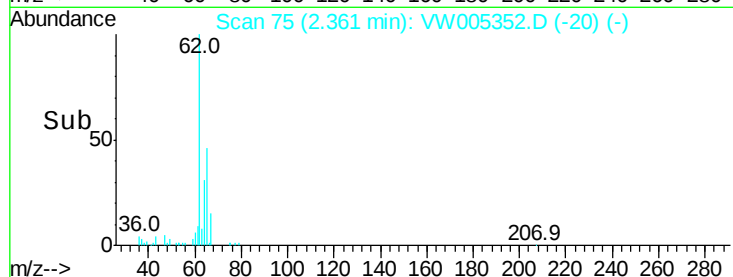
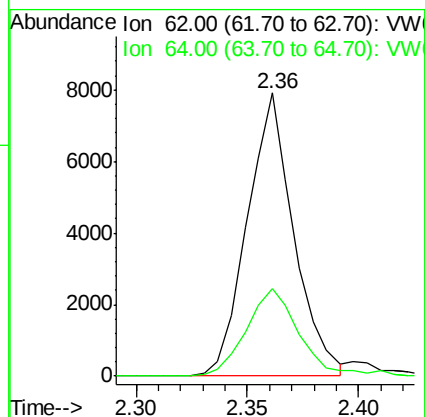
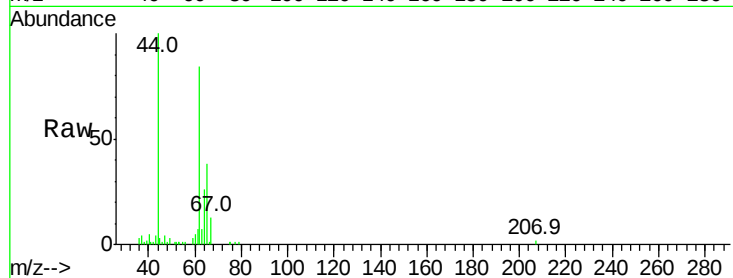
VSTD2.581

Tgt Ion: 62 Resp: 11517

Ion Ratio Lower Upper

62 100

64 30.8 22.4 41.6



#6

Bromomethane

Concen: 2.326 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW005352.D

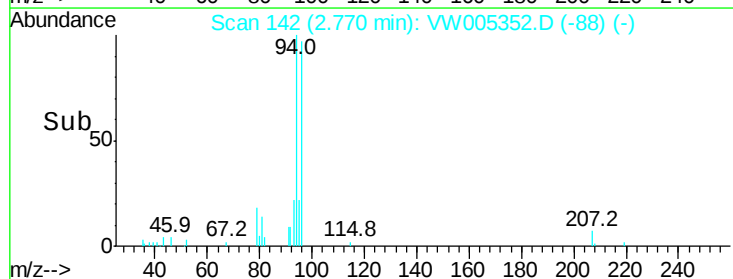
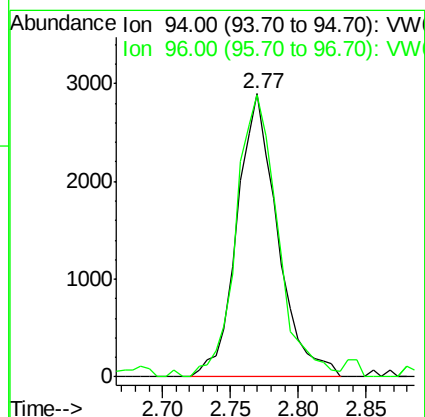
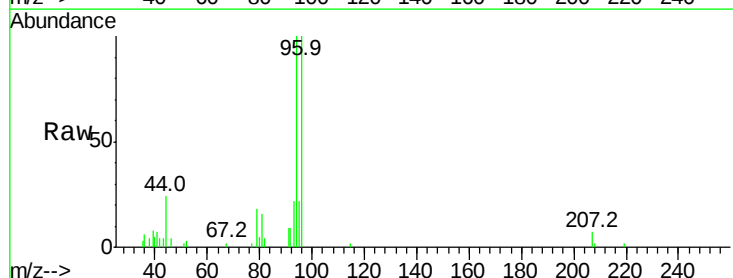
Acq: 13 Sep 2018 13:53

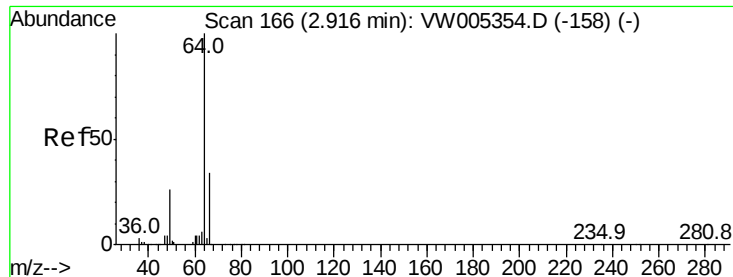
Tgt Ion: 94 Resp: 6051

Ion Ratio Lower Upper

94 100

96 102.0 9.3 176.3





#8

Chloroethane

Concen: 2.464 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

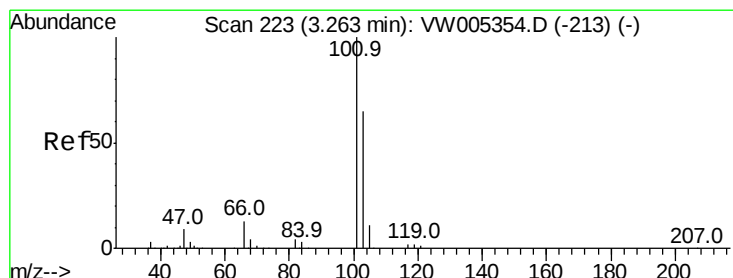
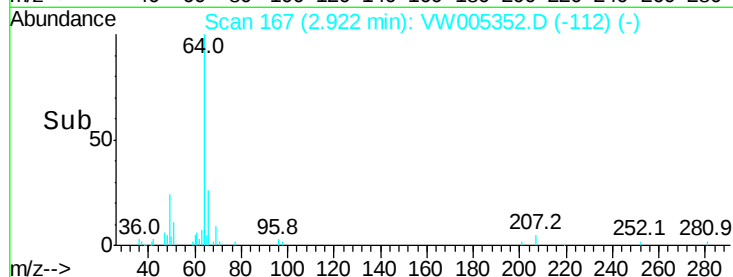
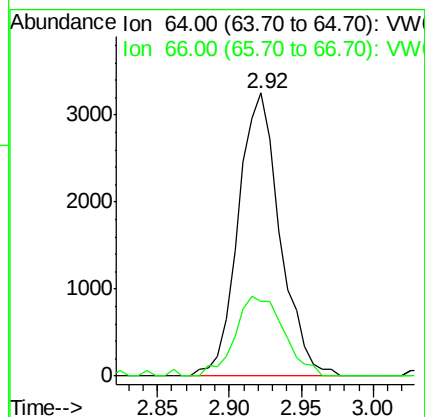
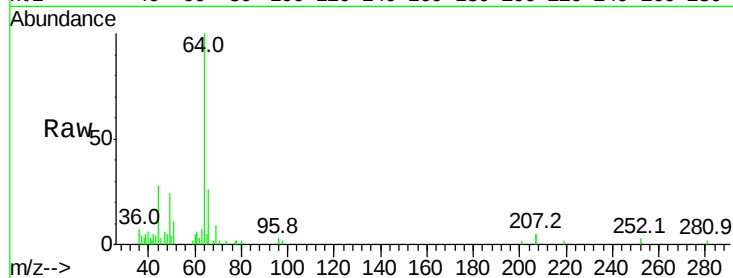
VSTD2.581

Tgt Ion: 64 Resp: 6569

Ion Ratio Lower Upper

64 100

66 26.2 23.7 43.9



#9

Trichlorofluoromethane

Concen: 2.513 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW005352.D

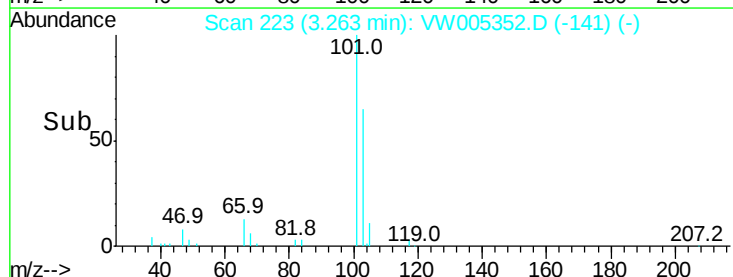
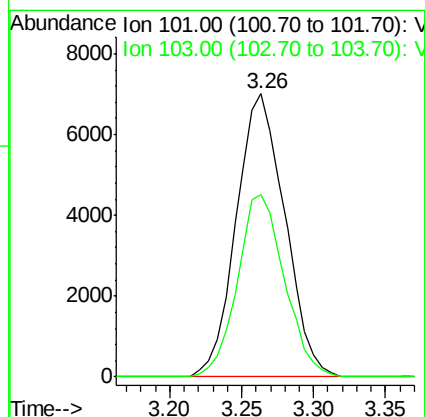
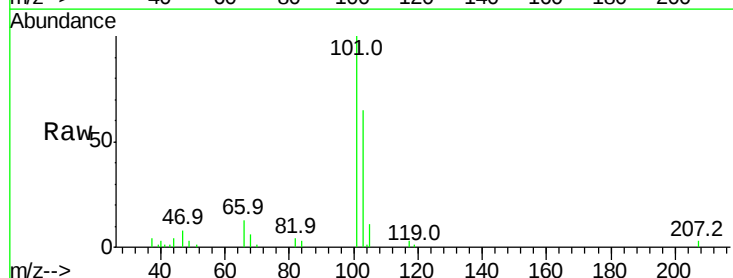
Acq: 13 Sep 2018 13:53

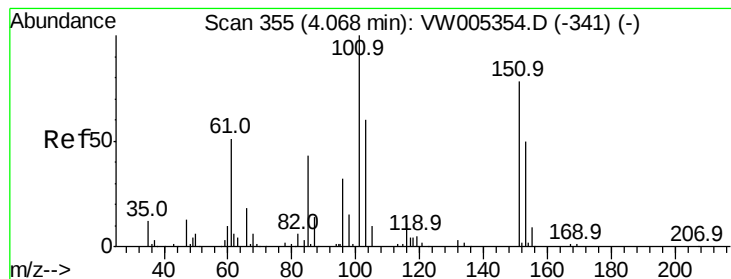
Tgt Ion: 101 Resp: 16436

Ion Ratio Lower Upper

101 100

103 62.1 44.9 83.5





#11

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

Concen: 1.089 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

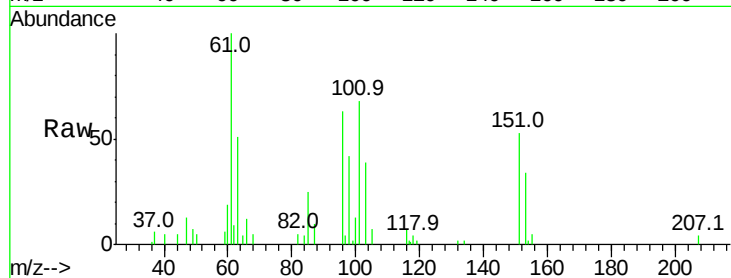
Tgt Ion: 101 Resp: 3905

Ion Ratio Lower Upper

101 100

85 105.6 35.8 53.8#

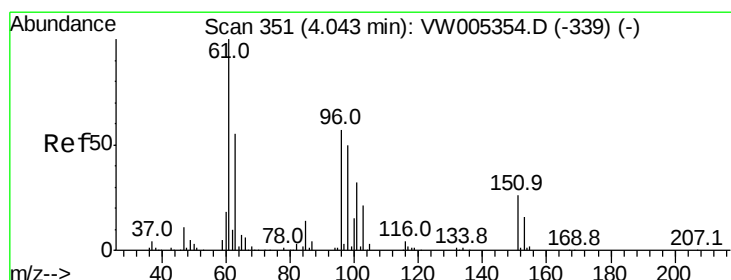
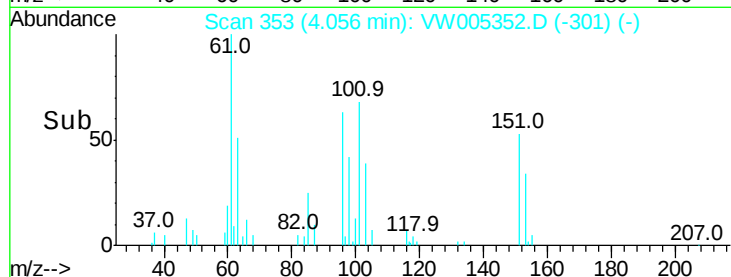
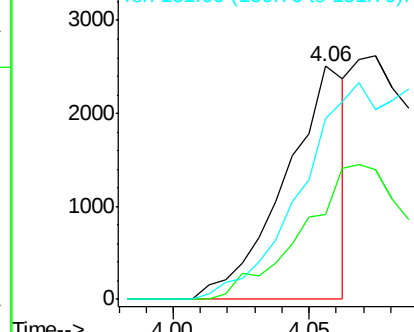
151 115.1 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.500 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

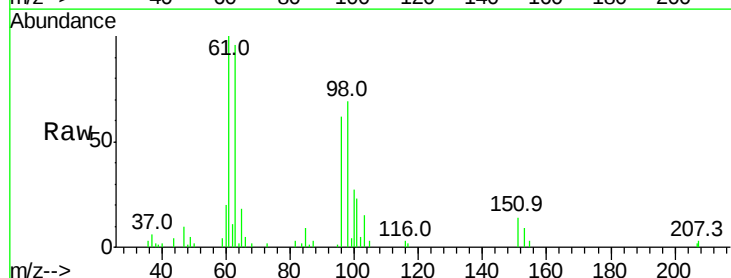
Tgt Ion: 96 Resp: 7503

Ion Ratio Lower Upper

96 100

61 161.8 123.3 229.1

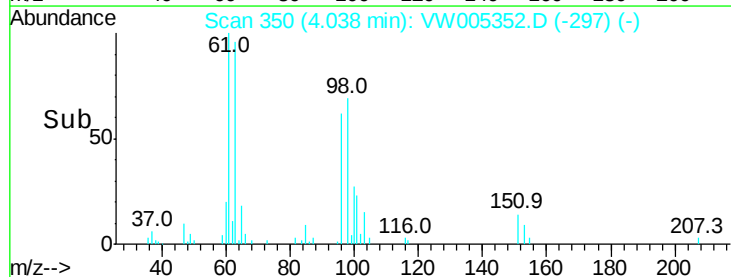
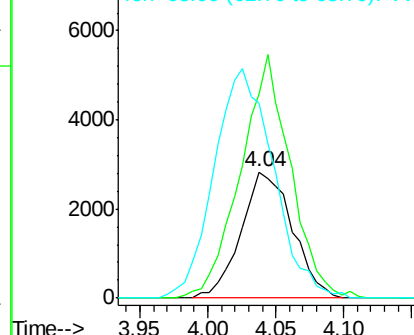
63 154.8 69.4 128.8#

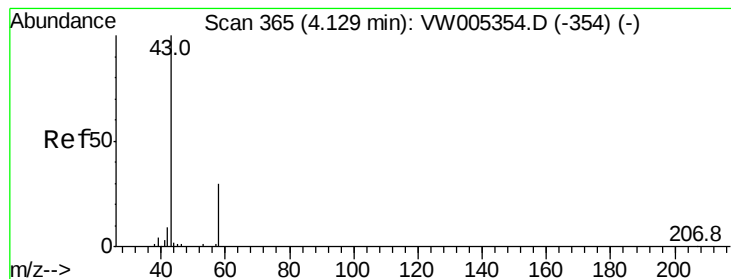


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.675 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

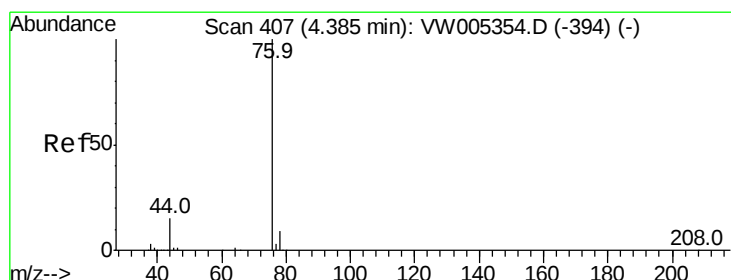
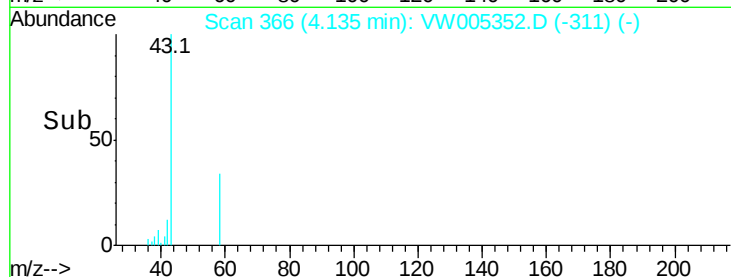
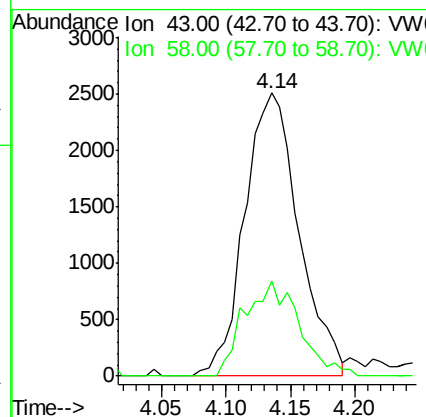
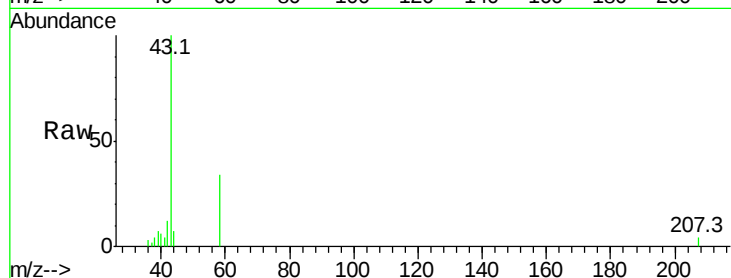
VSTD2.581

Tgt Ion: 43 Resp: 7330

Ion Ratio Lower Upper

43 100

58 21.5 0.0 57.6



#14

Carbon disulfide

Concen: 2.355 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005352.D

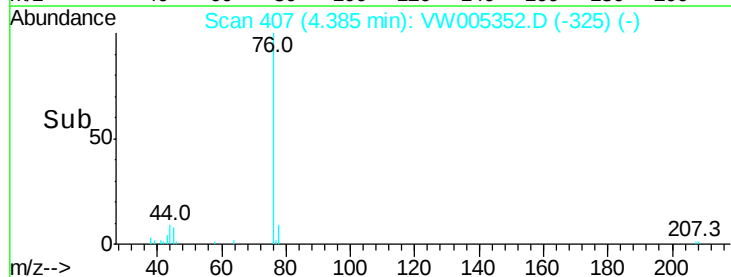
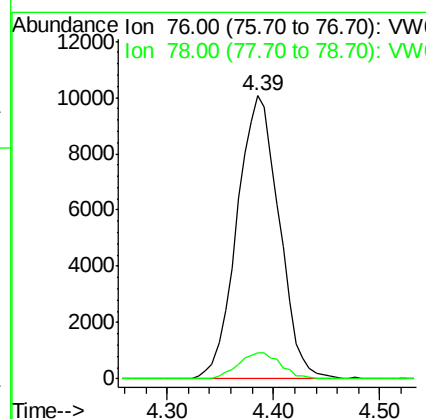
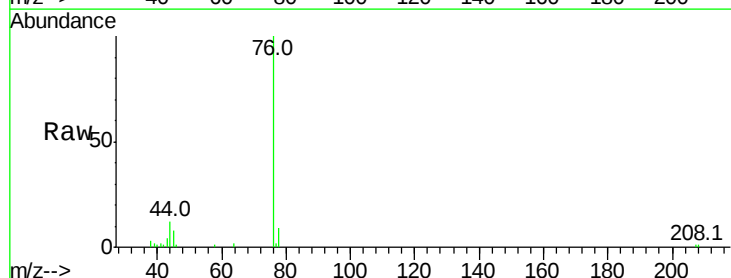
Acq: 13 Sep 2018 13:53

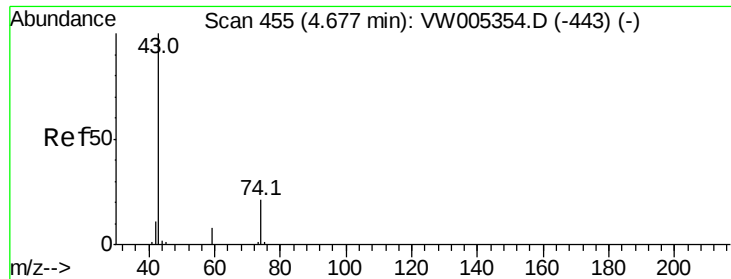
Tgt Ion: 76 Resp: 27941

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

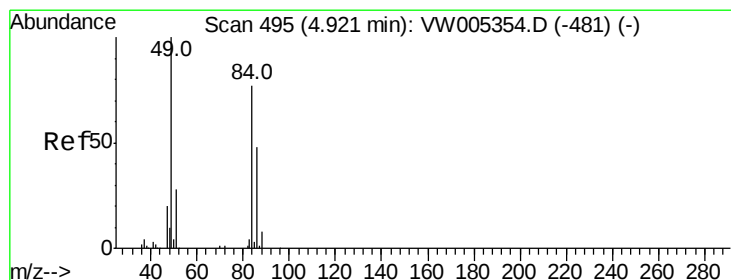
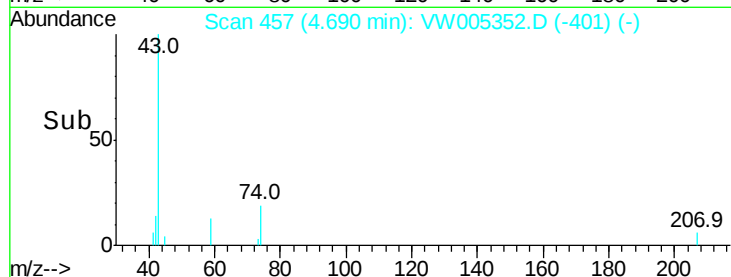
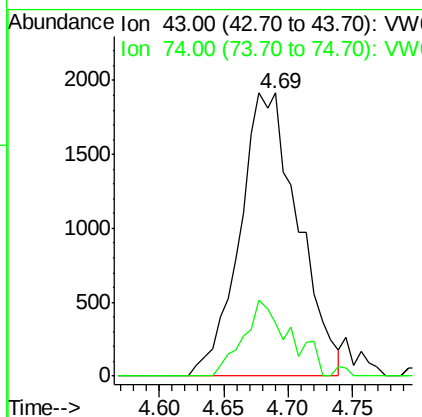
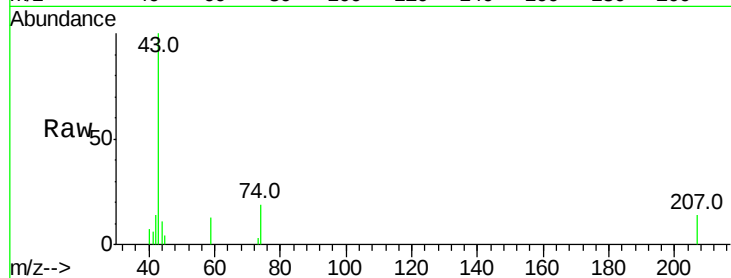




#15
Methyl Acetate
Concen: 2.472 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

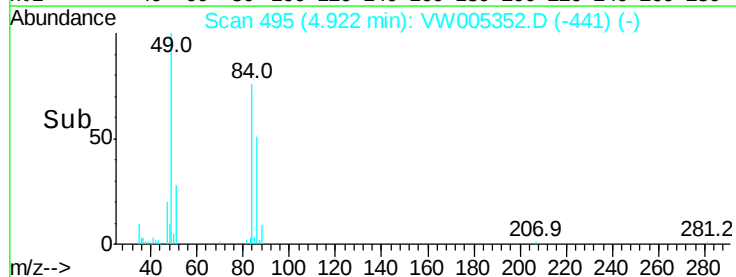
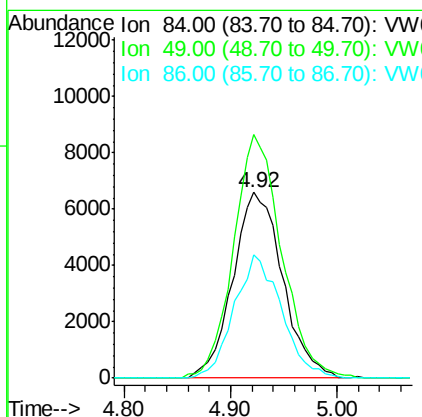
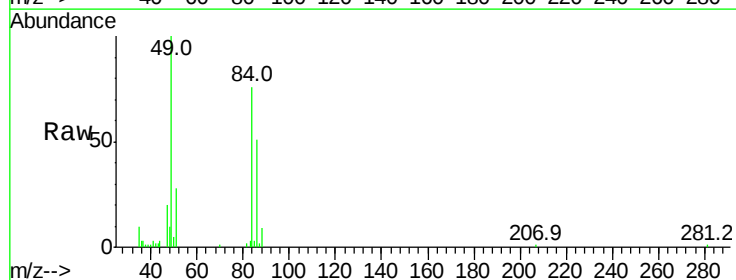
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

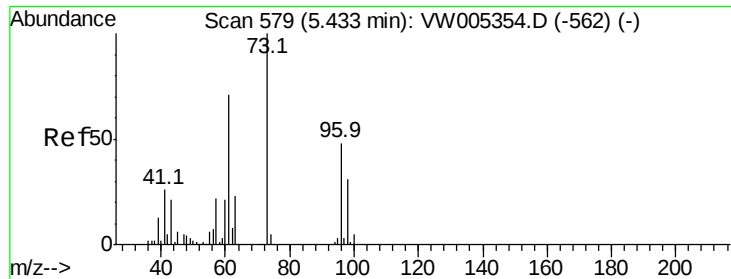
Tgt Ion: 43 Resp: 6028
Ion Ratio Lower Upper
43 100
74 15.5 17.5 26.3#



#16
Methylene chloride
Concen: 4.111 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Tgt Ion: 84 Resp: 21586
Ion Ratio Lower Upper
84 100
49 131.0 90.9 168.7
86 66.7 43.6 81.0





#17

Methyl tert-butyl Ether

Concen: 2.381 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

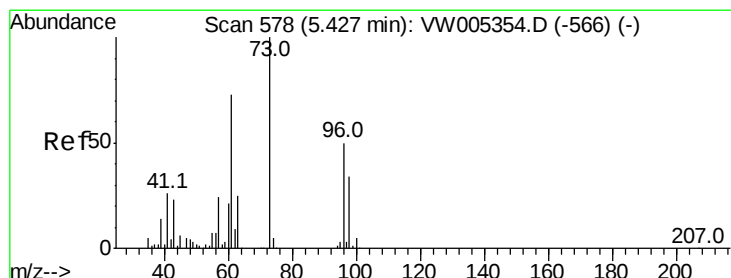
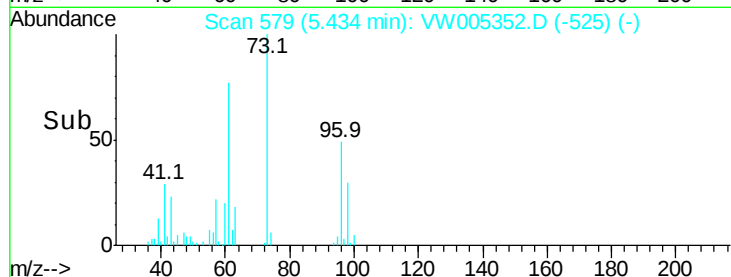
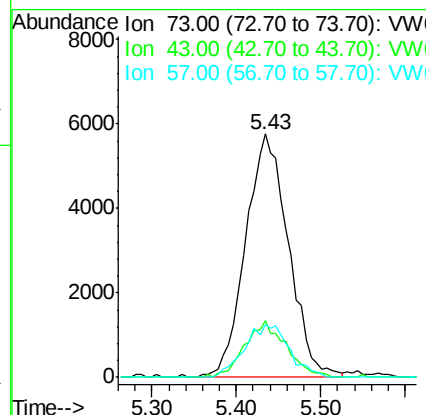
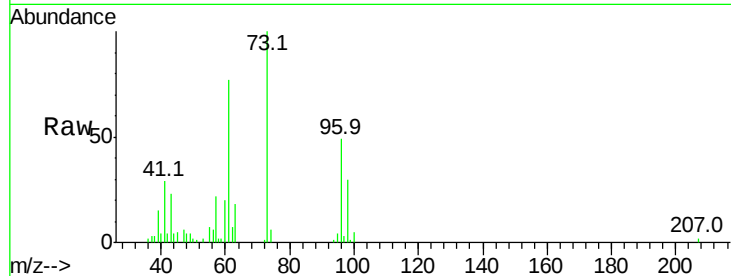
Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

Tgt Ion: 73 Resp: 19919

Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.7	26.5
57	21.0	17.8	26.6



#18

trans-1,2-Dichloroethene

Concen: 2.390 ug/L

RT: 5.43 min Scan# 579

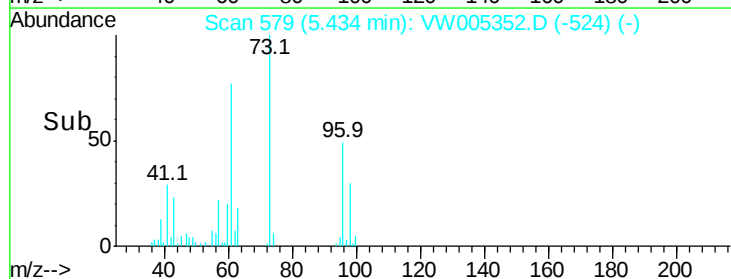
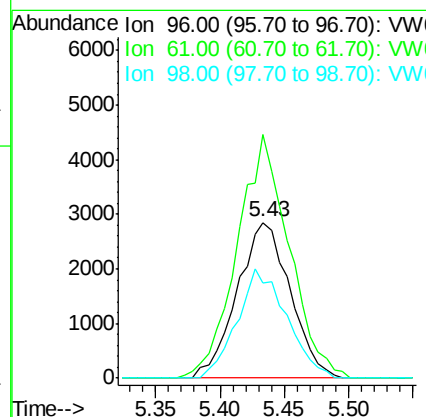
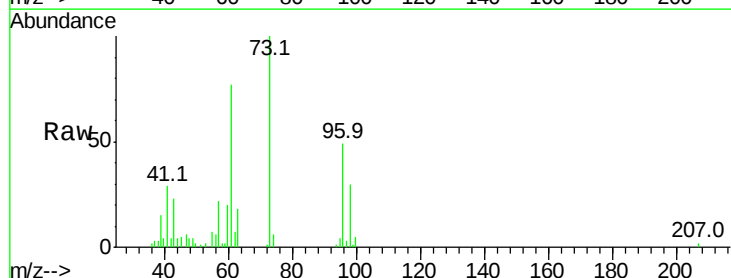
Delta R.T. 0.01 min

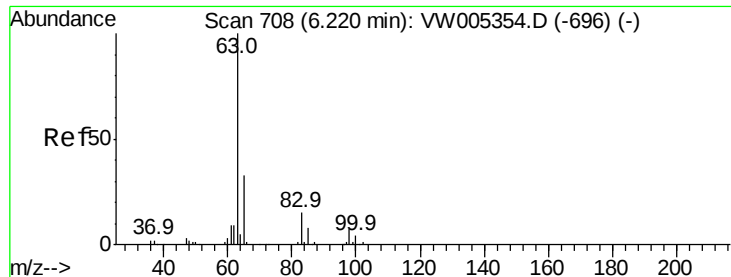
Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Tgt Ion: 96 Resp: 8142

Ion	Ratio	Lower	Upper
96	100		
61	156.7	103.0	191.2
98	60.9	47.2	87.6

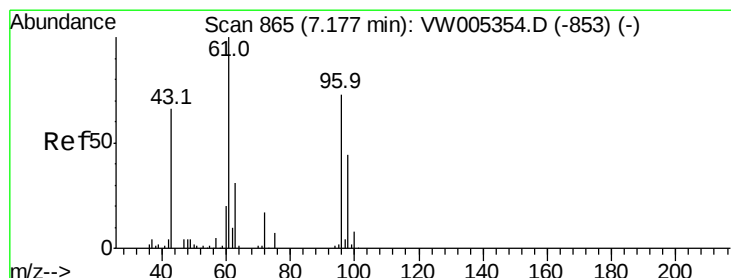
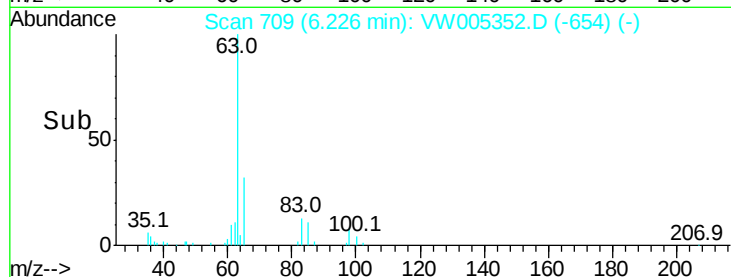
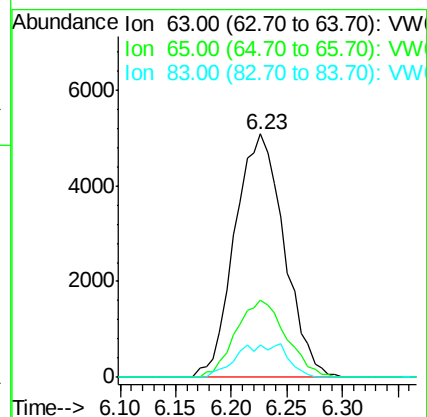
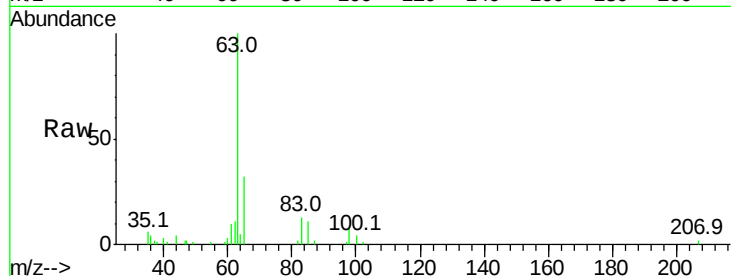




#19
 1,1-Dichloroethane
 Concen: 2.531 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

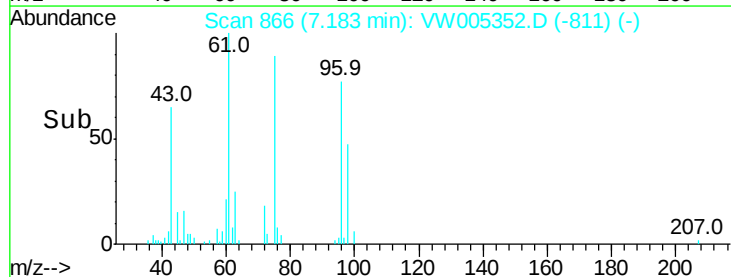
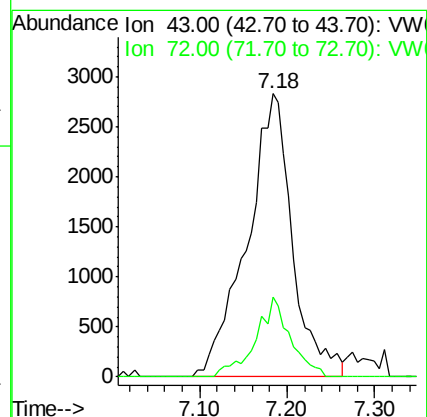
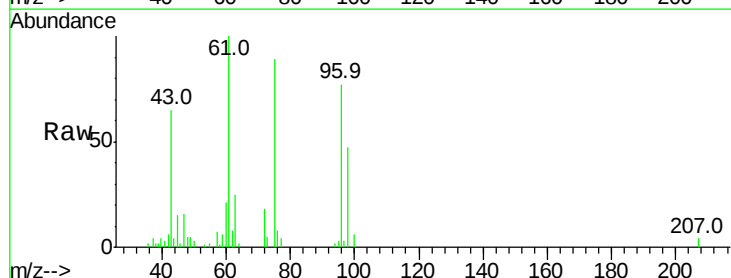
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

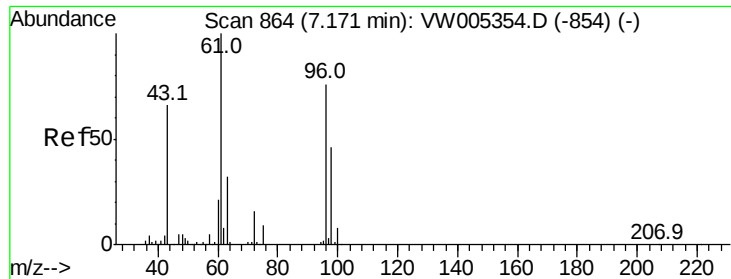
Tgt Ion: 63 Resp: 15661
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.9 42.5
 83 13.1 10.4 19.2



#21
 2-Butanone
 Concen: 6.182 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

Tgt Ion: 43 Resp: 10276
 Ion Ratio Lower Upper
 43 100
 72 21.4 11.8 35.4



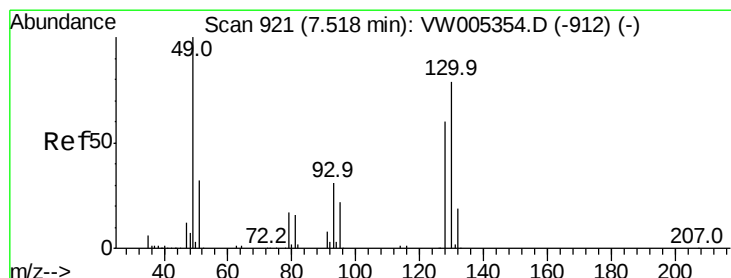
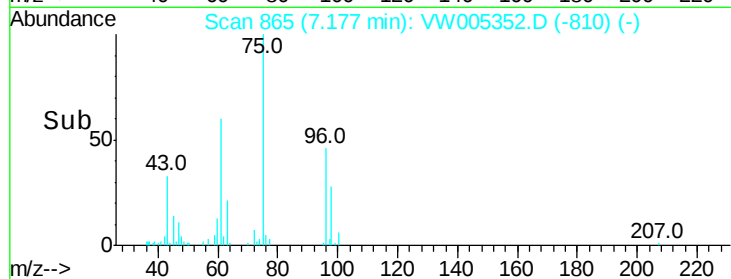
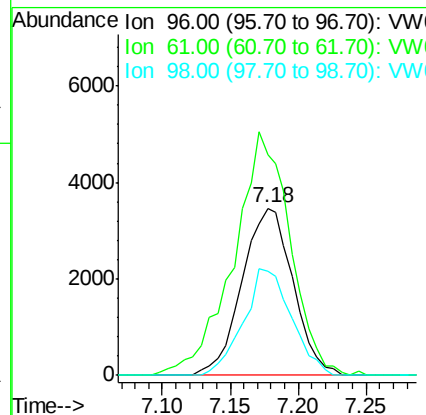
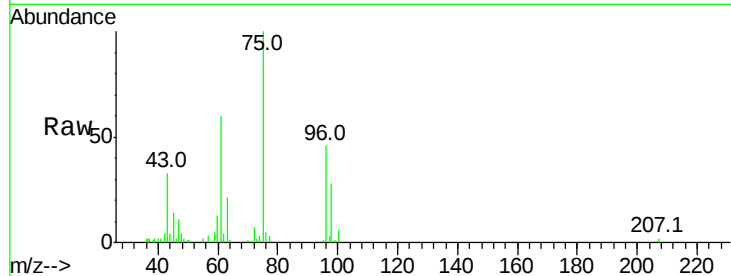


#22

cis-1,2-Dichloroethene
Concen: 2.507 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

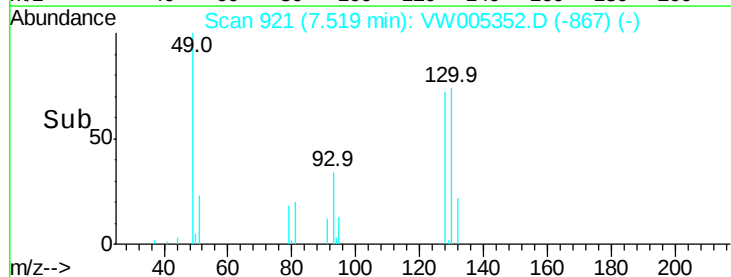
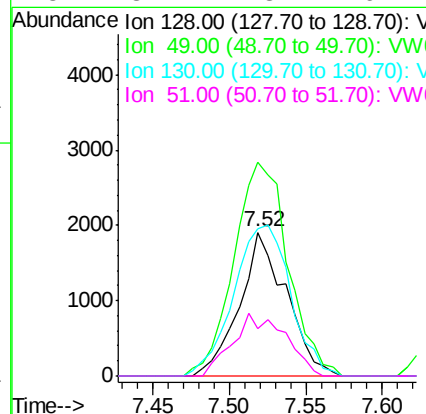
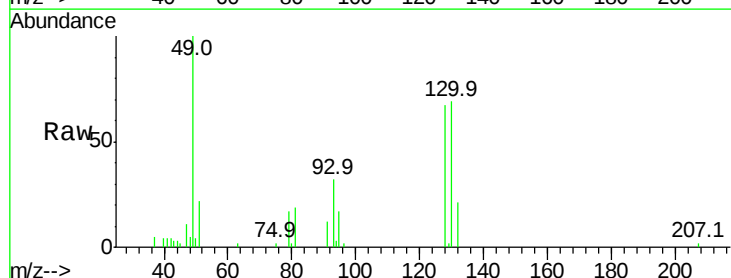
Tgt Ion: 96 Resp: 9069
Ion Ratio Lower Upper
96 100
61 131.7 93.1 172.9
98 62.0 42.4 78.6

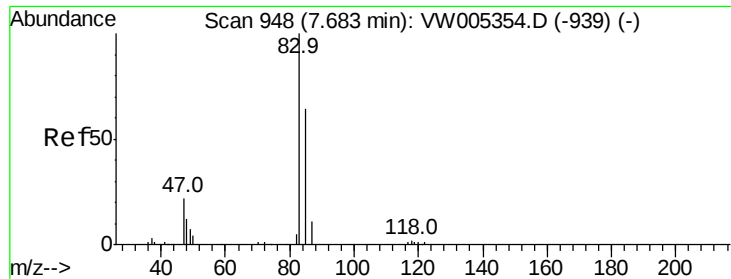


#23

Bromochloromethane
Concen: 2.393 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Tgt Ion: 128 Resp: 4073
Ion Ratio Lower Upper
128 100
49 148.3 118.2 219.6
130 102.6 92.8 172.4
51 32.7 43.1 64.7#





#25

Chloroform

Concen: 2.597 ug/L

RT: 7.69 min Scan# 949

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

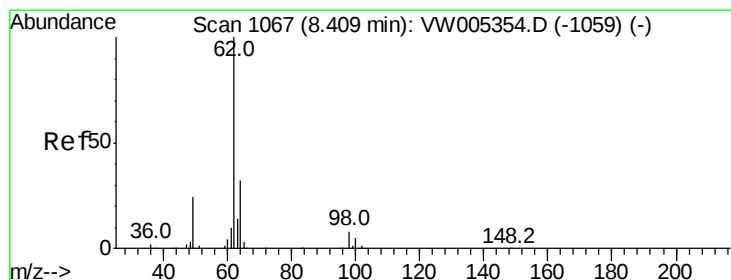
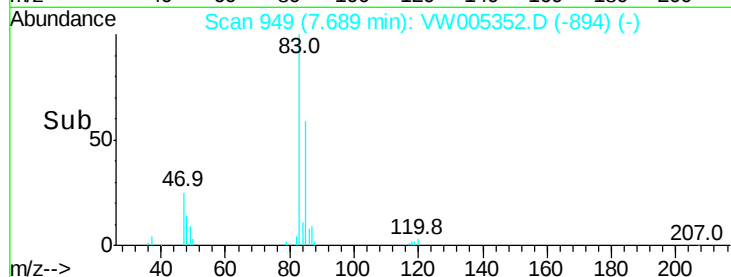
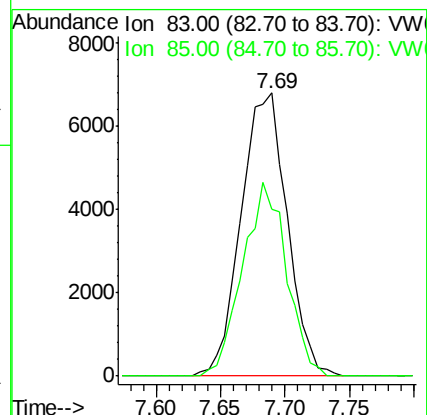
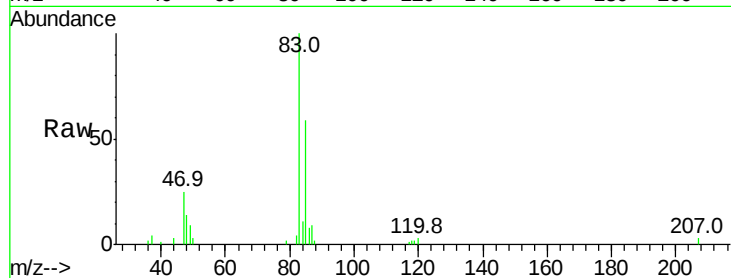
VSTD2.581

Tgt Ion: 83 Resp: 16909

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.490 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VW005352.D

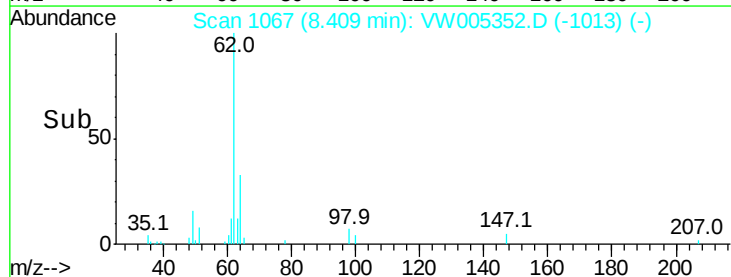
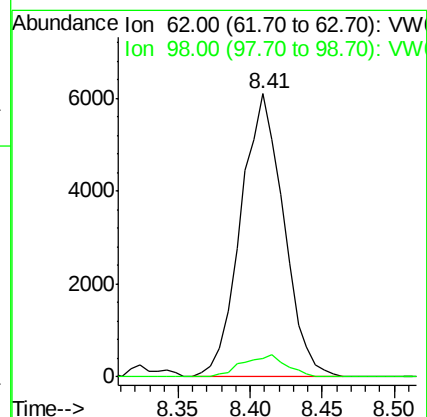
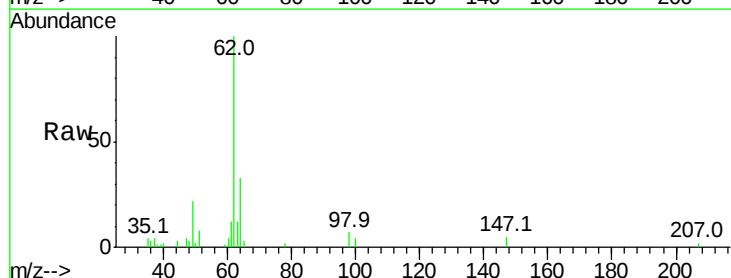
Acq: 13 Sep 2018 13:53

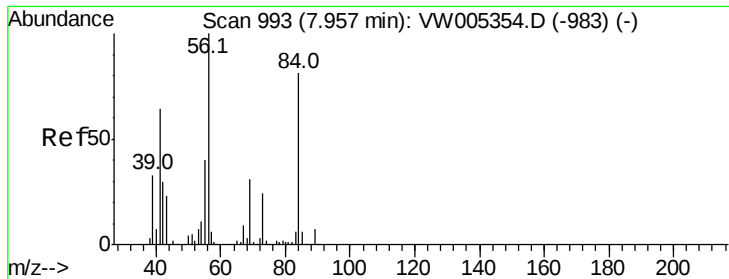
Tgt Ion: 62 Resp: 12623

Ion Ratio Lower Upper

62 100

98 6.6 6.0 9.0

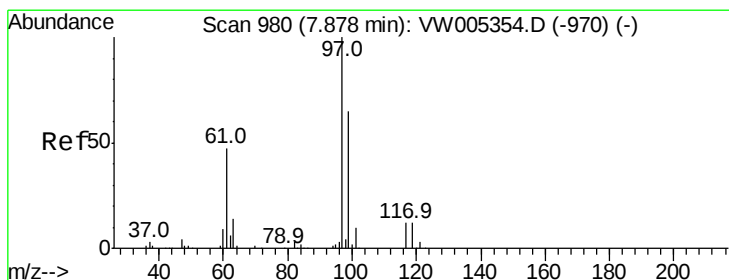
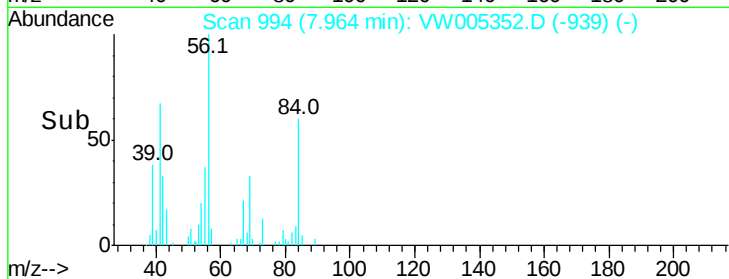
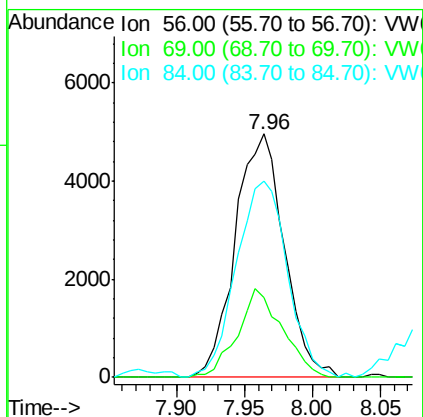
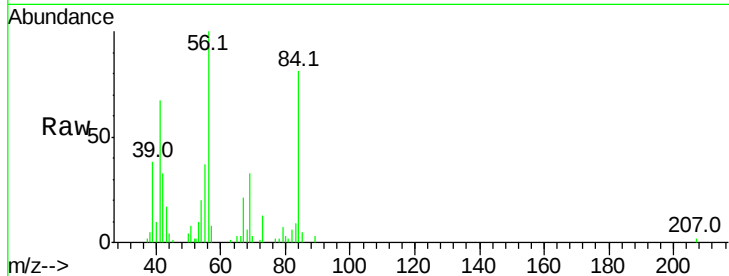




#30
Cyclohexane
Concen: 1.989 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

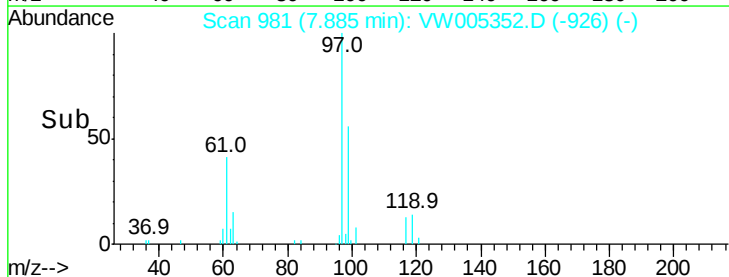
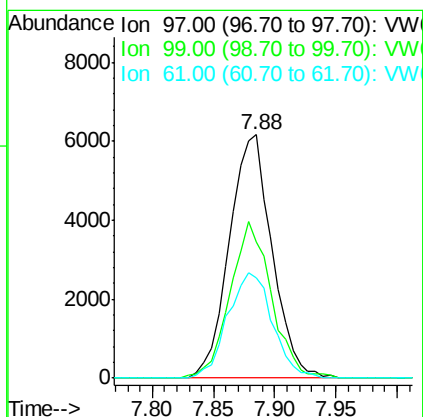
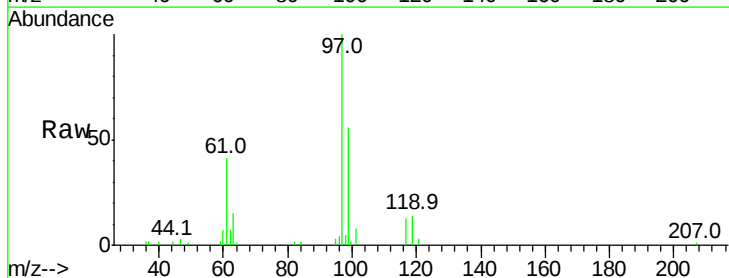
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

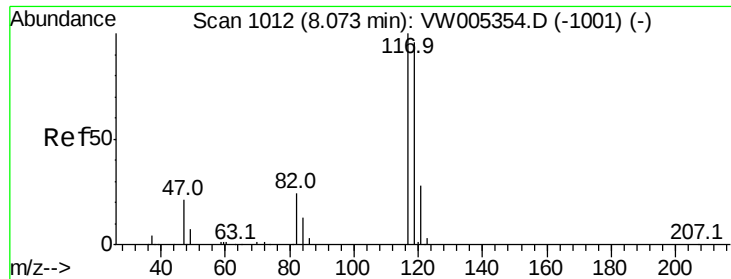
Tgt Ion: 56 Resp: 12492
Ion Ratio Lower Upper
56 100
69 33.4 24.7 37.1
84 84.2 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 2.364 ug/L
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Tgt Ion: 97 Resp: 14928
Ion Ratio Lower Upper
97 100
99 61.7 51.4 77.0
61 45.4 37.0 55.6





#32

Carbon tetrachloride

Concen: 2.339 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

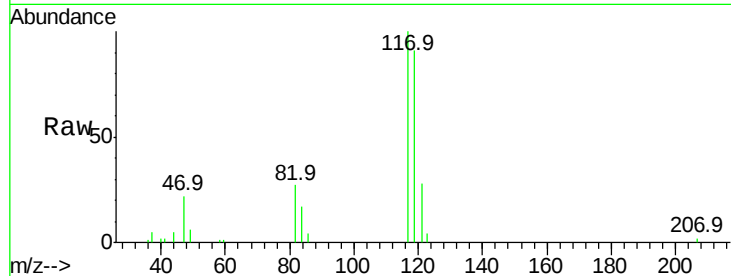
VSTD2.581

Tgt Ion:117 Resp: 13731

Ion Ratio Lower Upper

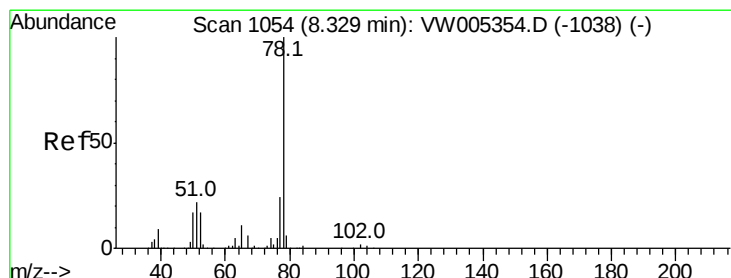
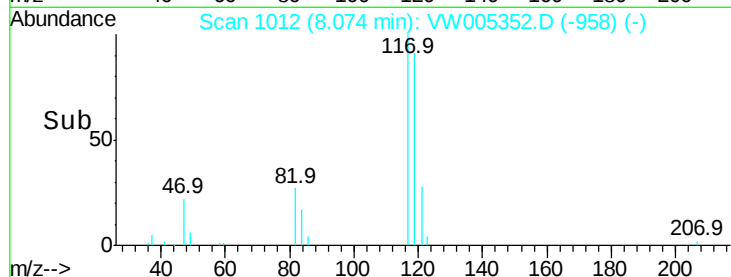
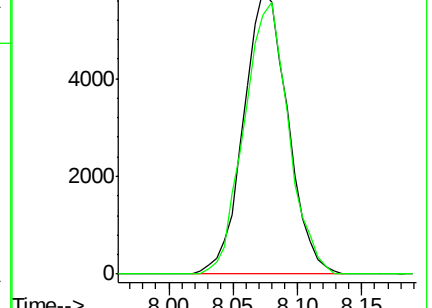
117 100

119 96.3 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.335 ug/L

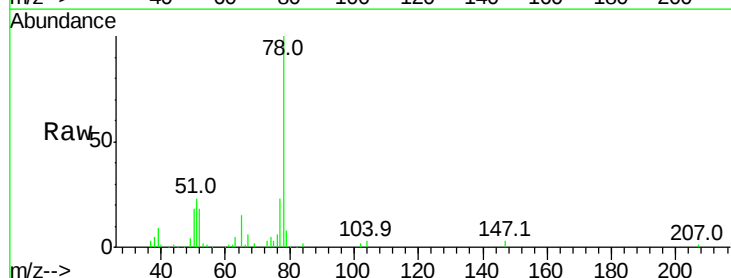
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

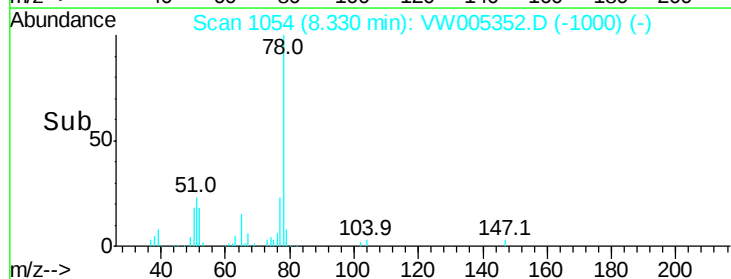
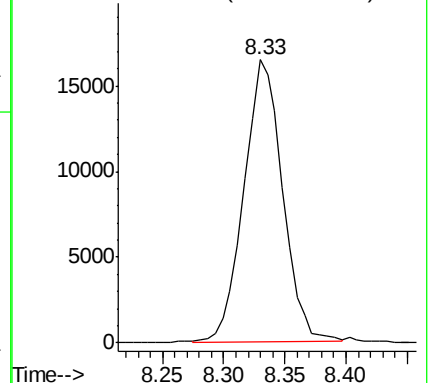
Lab File: VW005352.D

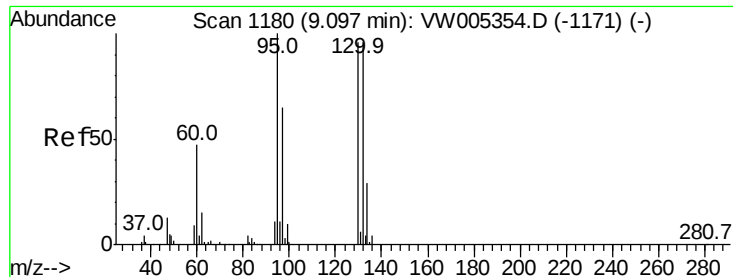
Acq: 13 Sep 2018 13:53

Tgt Ion: 78 Resp: 36388



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.325 ug/L

RT: 9.10 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

Tgt Ion: 95 Resp: 9614

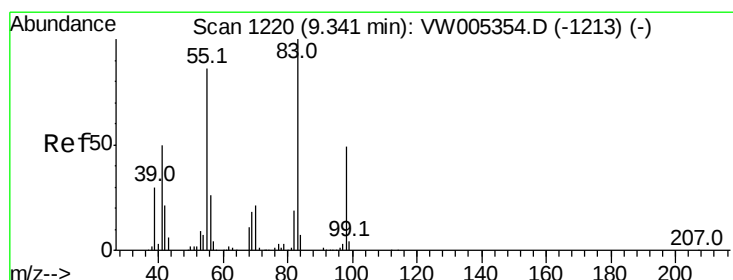
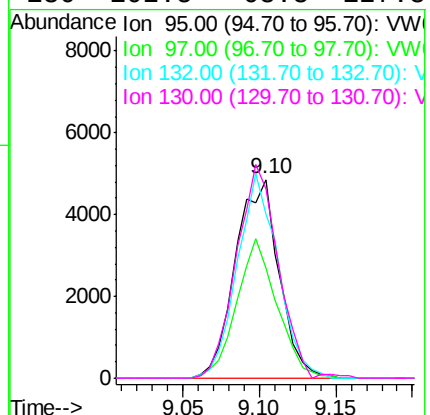
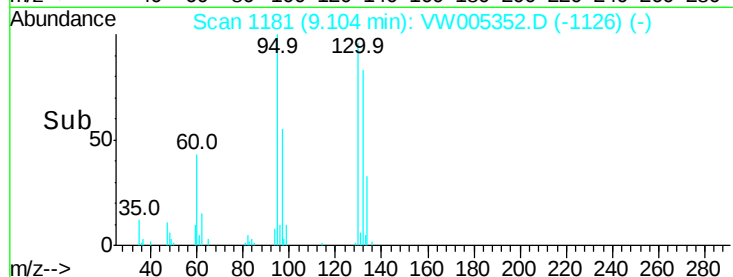
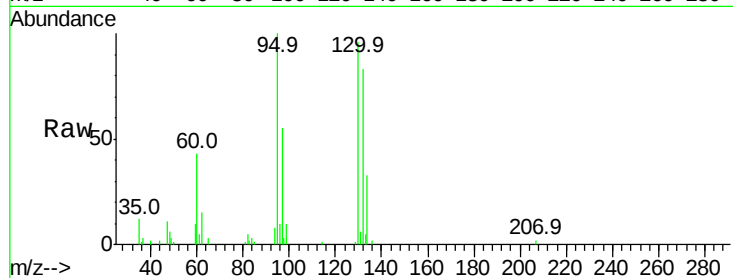
Ion Ratio Lower Upper

95 100

97 64.9 45.0 83.6

132 96.9 67.2 124.8

130 102.5 68.8 127.8



#36

Methylcyclohexane

Concen: 2.176 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

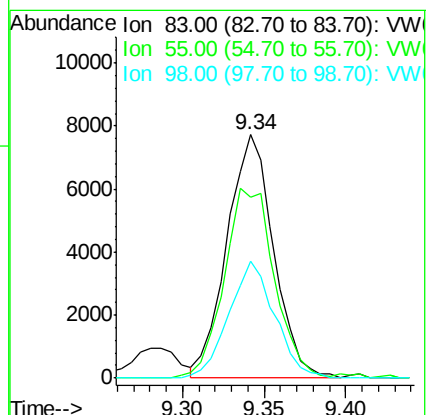
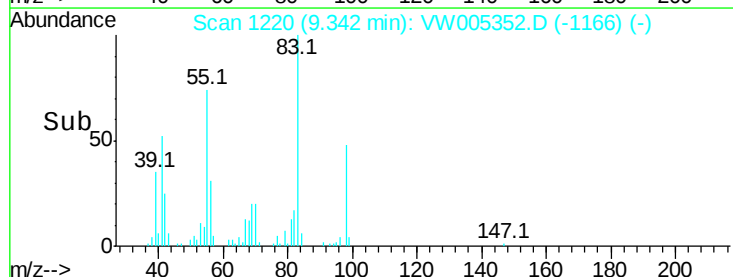
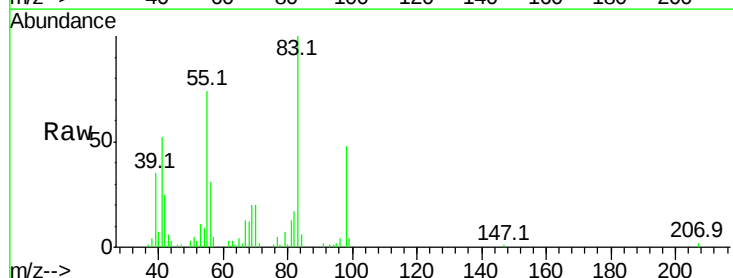
Tgt Ion: 83 Resp: 15415

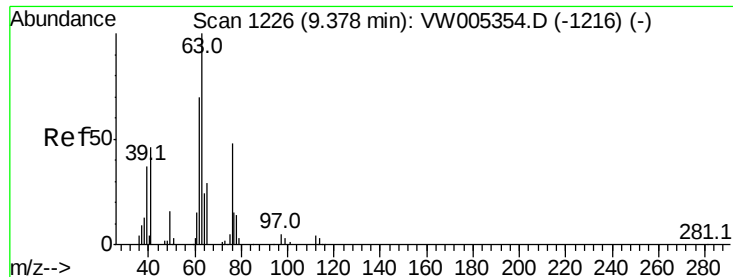
Ion Ratio Lower Upper

83 100

55 83.5 66.4 99.6

98 47.0 37.3 55.9





#40

1,2-Dichloropropane

Concen: 2.367 ug/L

RT: 9.38 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

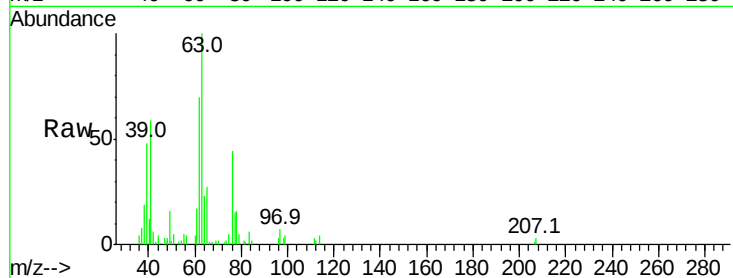
VSTD2.581

Tgt Ion: 63 Resp: 9114

Ion Ratio Lower Upper

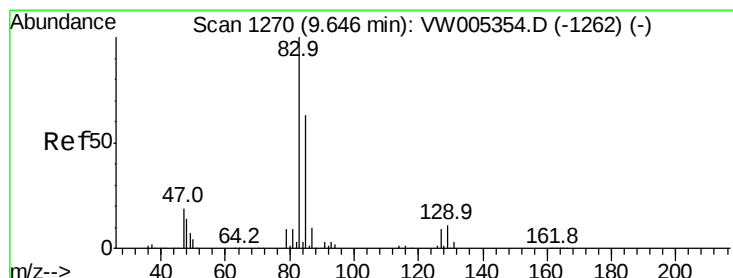
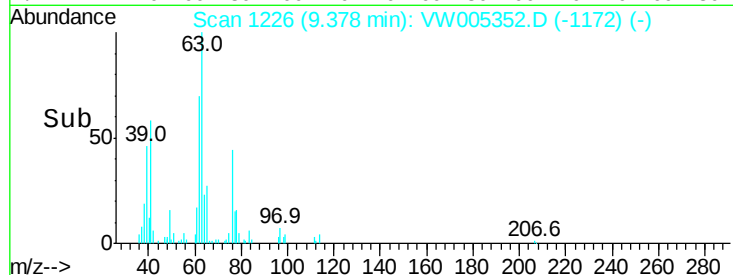
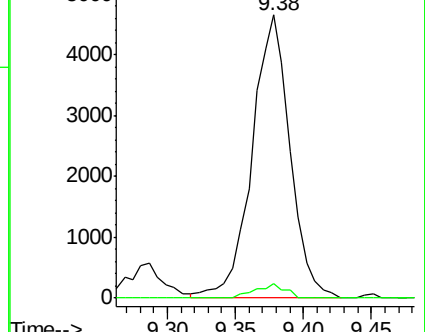
63 100

112 3.9 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 2.372 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

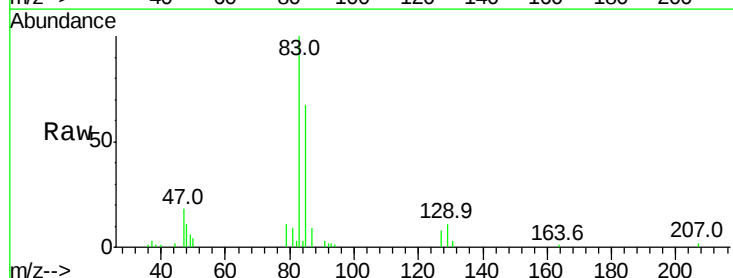
Tgt Ion: 83 Resp: 11782

Ion Ratio Lower Upper

83 100

85 66.5 44.0 81.6

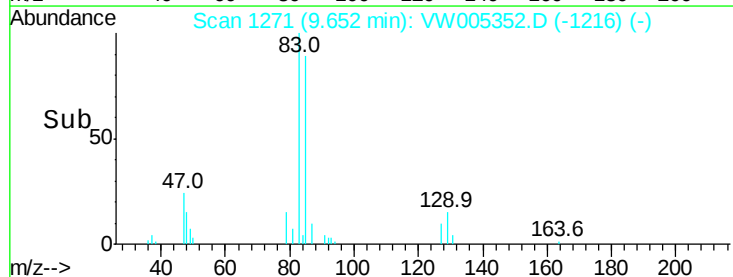
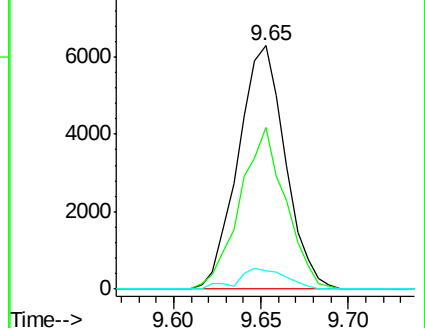
127 7.8 7.5 11.3

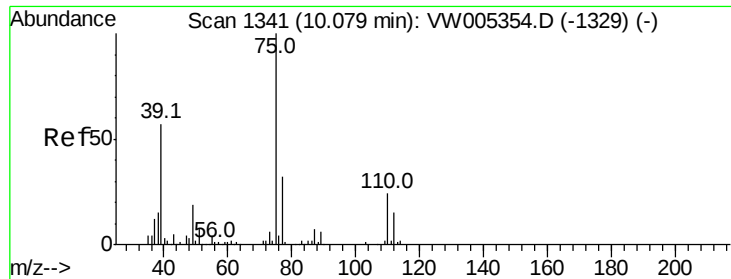


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

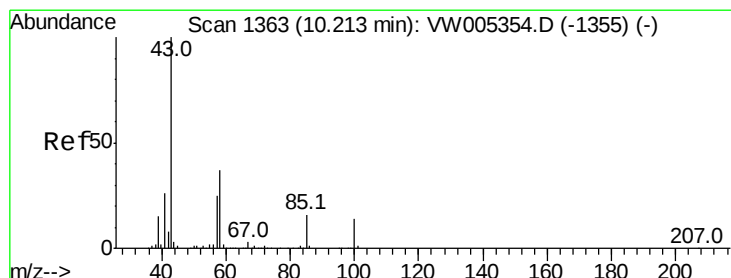
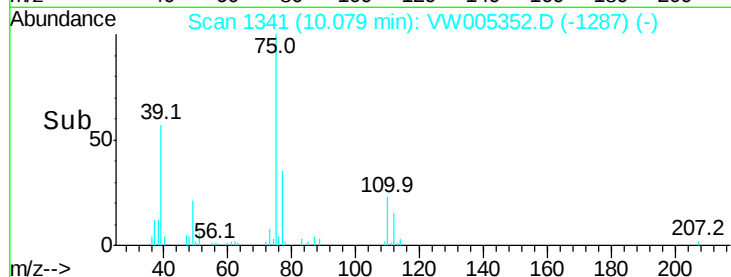
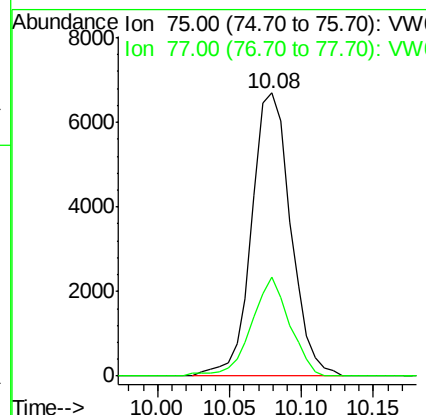
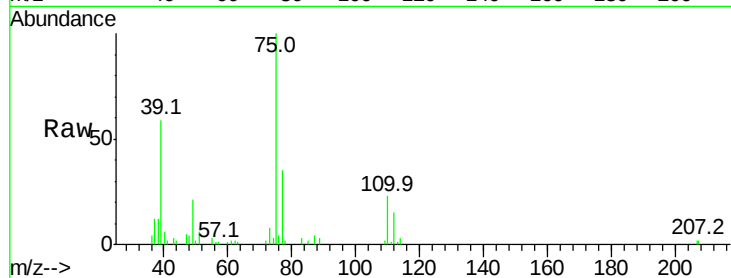




#42
 cis-1,3-Dichloropropene
 Concen: 2.204 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

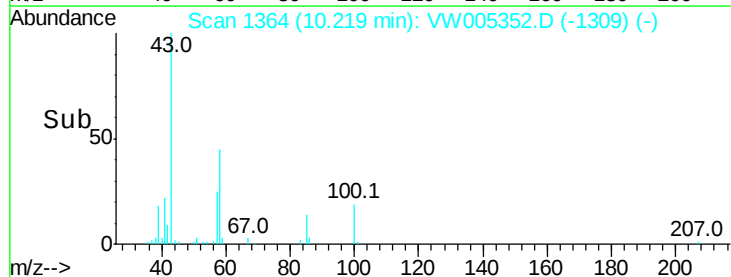
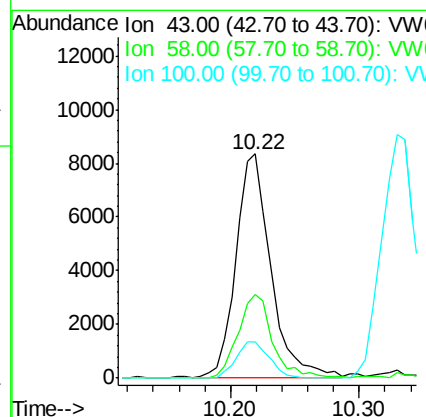
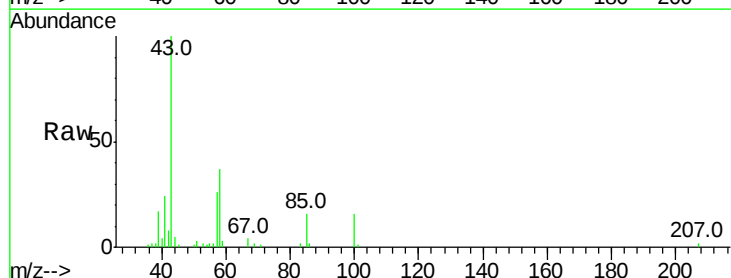
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

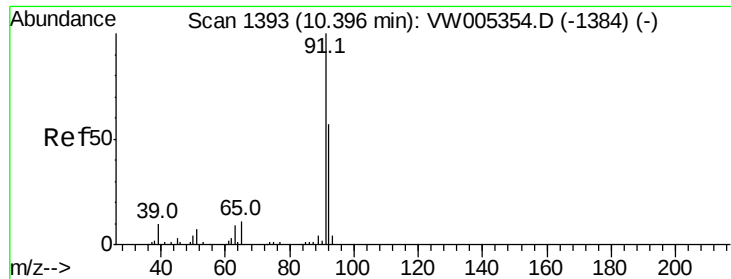
Tgt Ion: 75 Resp: 12569
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 4.387 ug/L
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

Tgt Ion: 43 Resp: 15836
 Ion Ratio Lower Upper
 43 100
 58 35.4 29.8 44.8
 100 15.1 11.4 17.0





#44

Toluene

Concen: 2.175 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

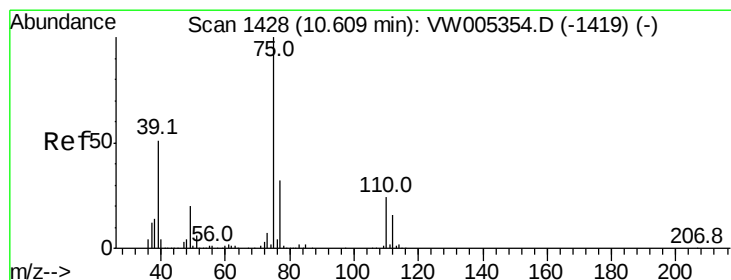
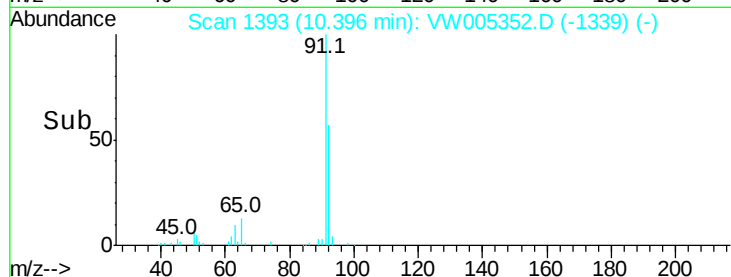
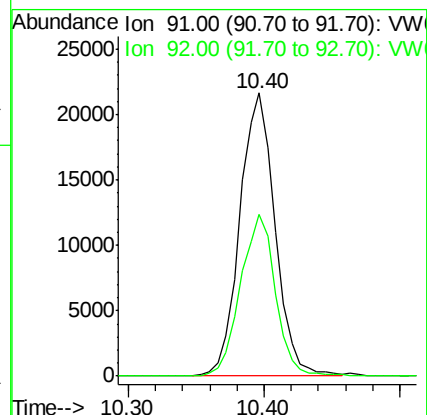
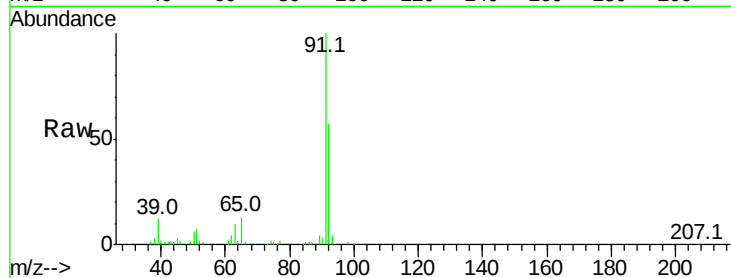
VSTD2.581

Tgt Ion: 91 Resp: 39126

Ion Ratio Lower Upper

91 100

92 57.3 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 2.209 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005352.D

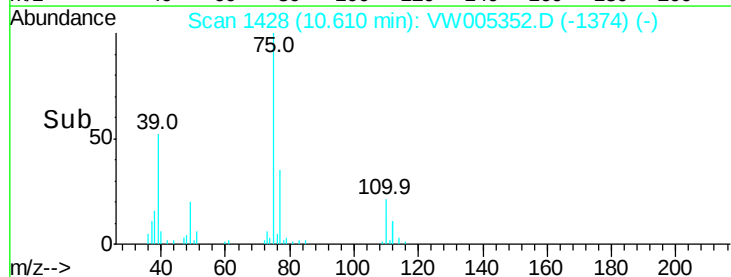
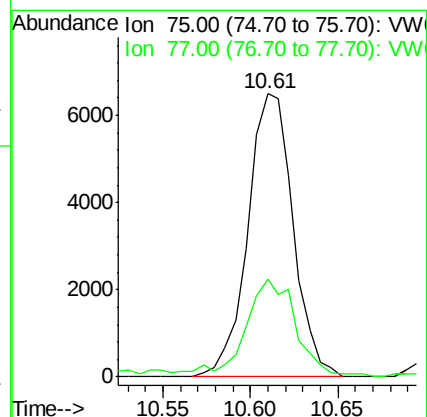
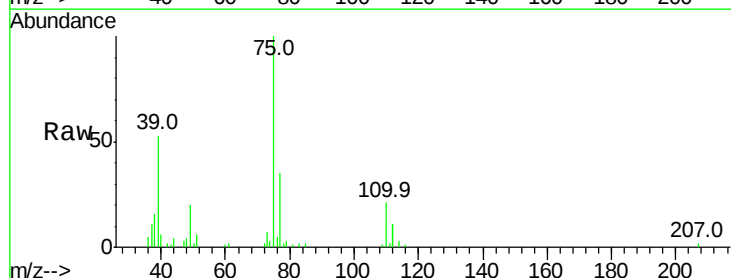
Acq: 13 Sep 2018 13:53

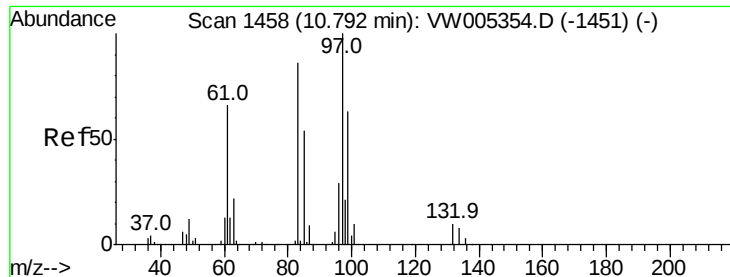
Tgt Ion: 75 Resp: 11757

Ion Ratio Lower Upper

75 100

77 34.6 22.3 41.3

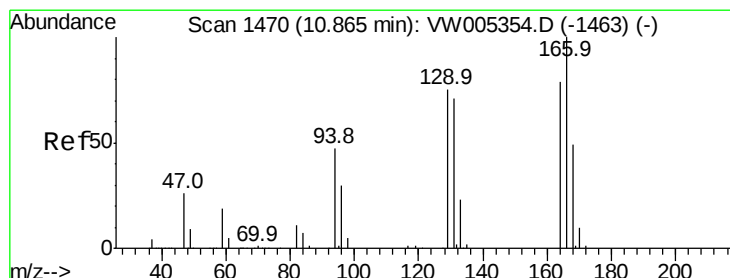
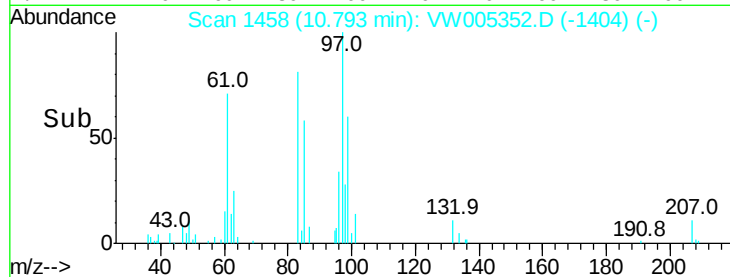
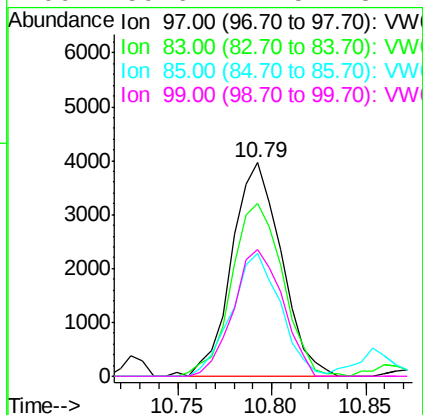
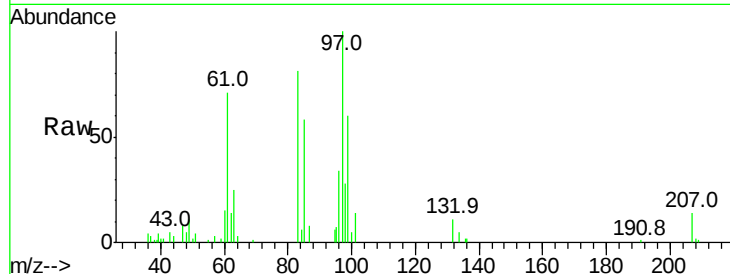




#46
 1,1,2-Trichloroethane
 Concen: 2.388 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

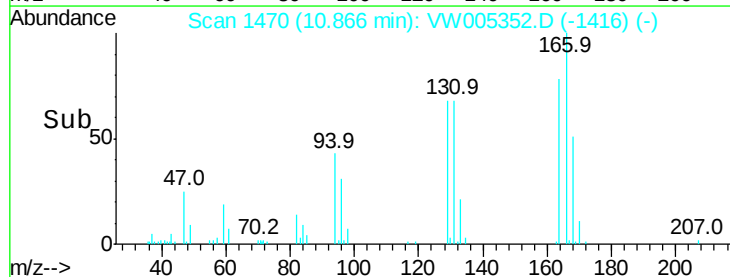
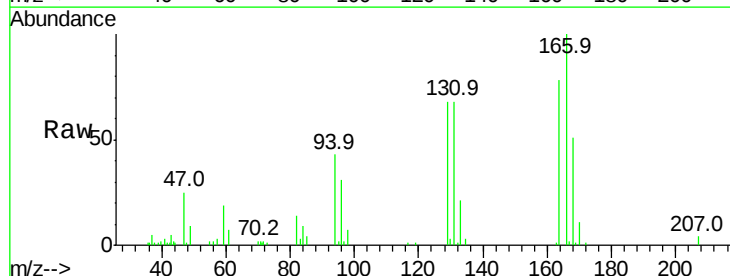
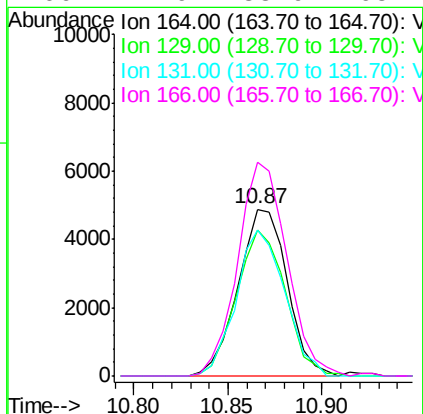
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

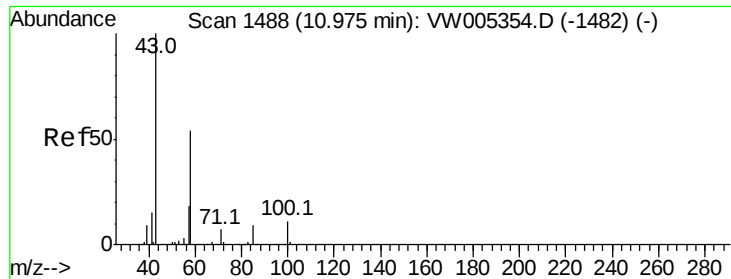
Tgt Ion:	97	Resp:	7231
Ion	Ratio	Lower	Upper
97	100		
83	80.8	60.2	111.8
85	57.7	37.9	70.5
99	59.6	44.5	82.7



#47
 Tetrachloroethene
 Concen: 2.372 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

Tgt Ion:	164	Resp:	8836
Ion	Ratio	Lower	Upper
164	100		
129	87.5	66.2	123.0
131	87.6	63.6	118.0
166	127.9	88.9	165.1

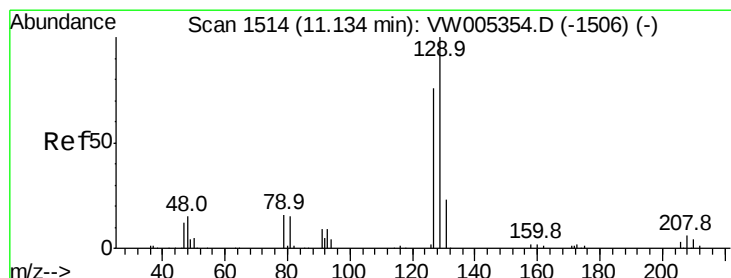
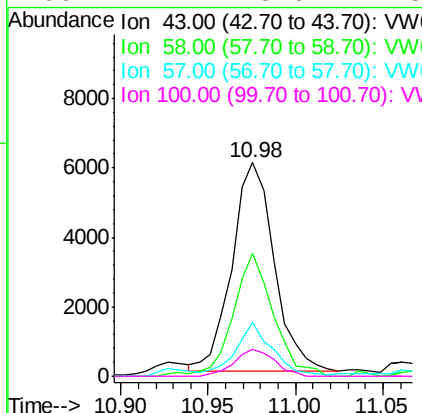
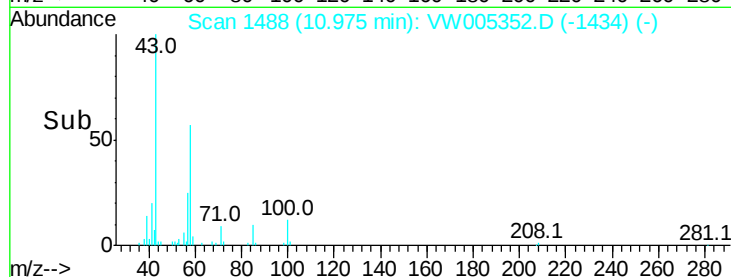
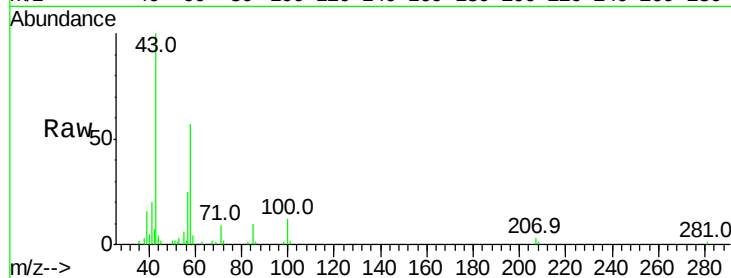




#49
2-Hexanone
Concen: 3.744 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

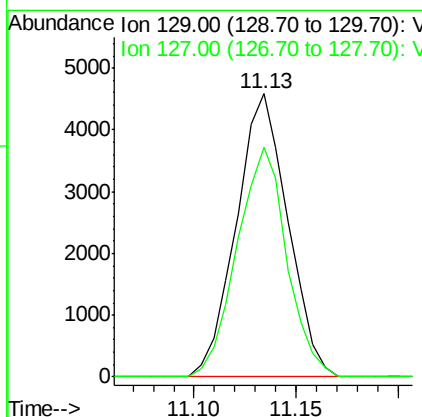
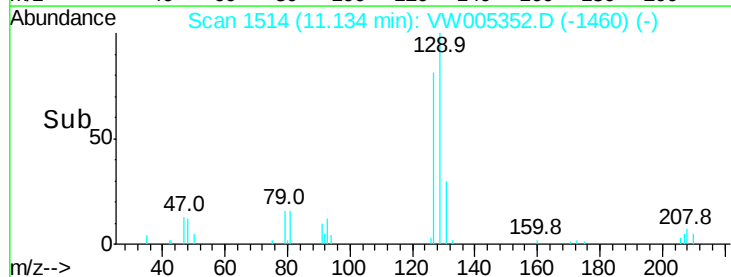
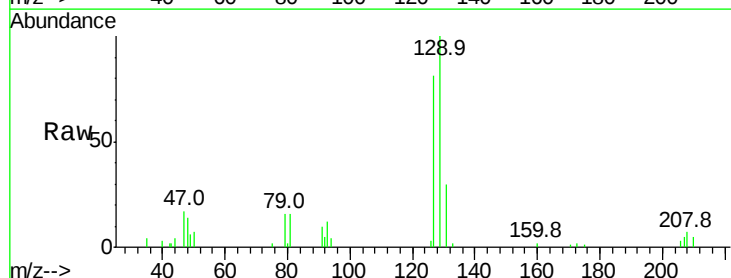
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

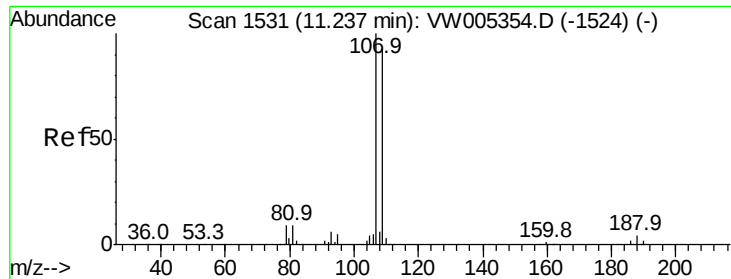
Tgt Ion: 43 Resp: 10045
Ion Ratio Lower Upper
43 100
58 54.6 41.6 62.4
57 20.9 15.0 22.6
100 12.4 8.6 12.8



#50
Dibromochloromethane
Concen: 2.202 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Tgt Ion: 129 Resp: 8049
Ion Ratio Lower Upper
129 100
127 81.0 53.1 98.5

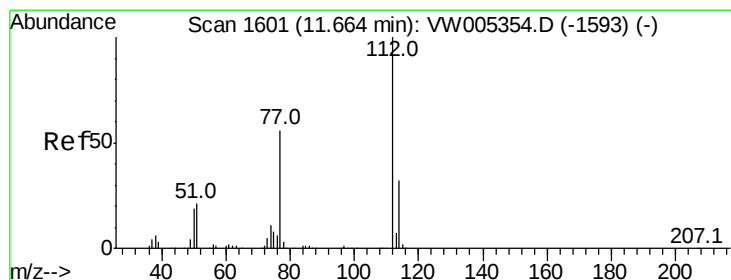
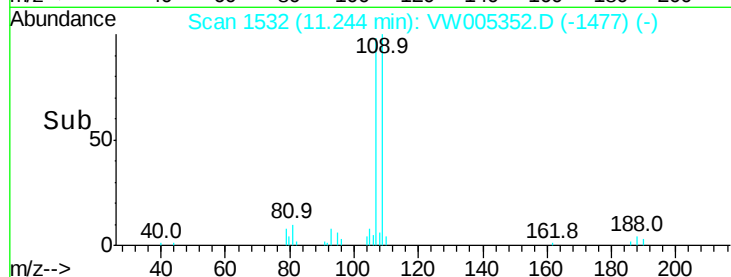
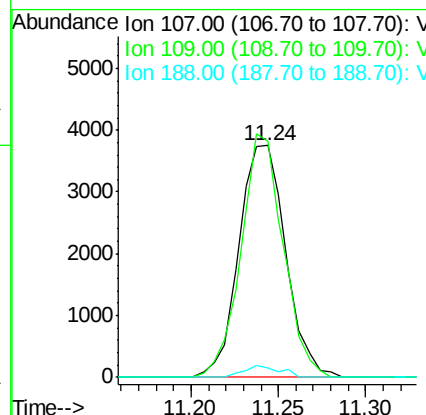
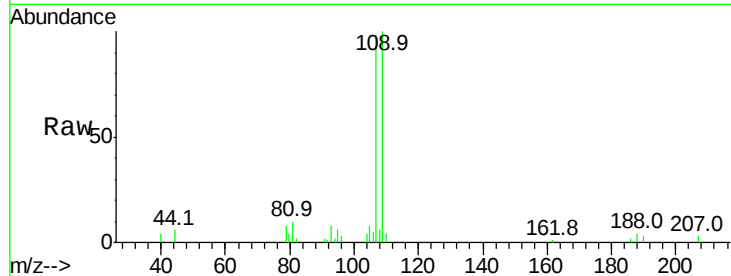




#51
1,2-Dibromoethane
Concen: 2.364 ug/L
RT: 11.24 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

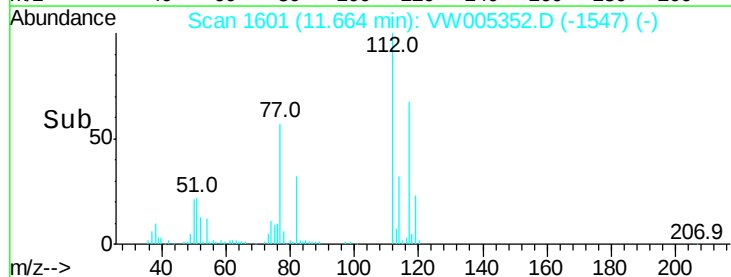
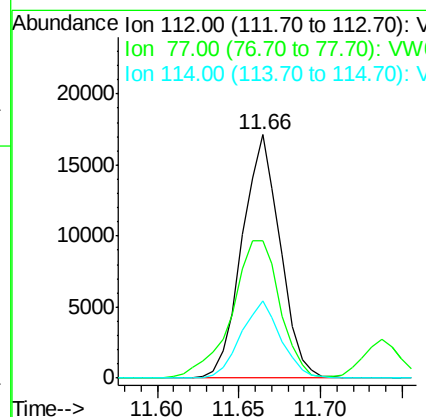
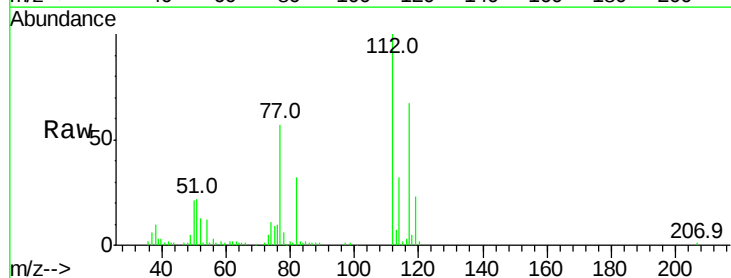
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

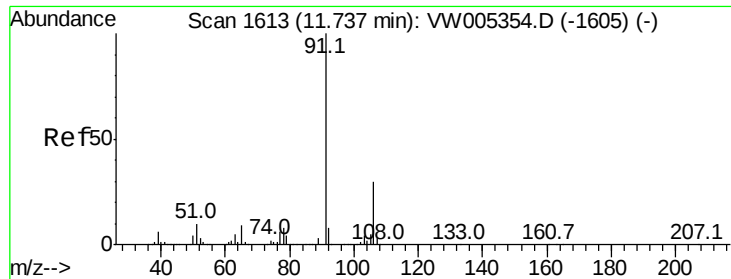
Tgt Ion:107 Resp: 7017
Ion Ratio Lower Upper
107 100
109 101.7 64.9 120.5
188 4.1 3.1 4.7



#52
Chlorobenzene
Concen: 2.380 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Tgt Ion:112 Resp: 27862
Ion Ratio Lower Upper
112 100
77 56.5 45.1 67.7
114 31.9 22.5 41.7





#53

Ethylbenzene

Concen: 2.257 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

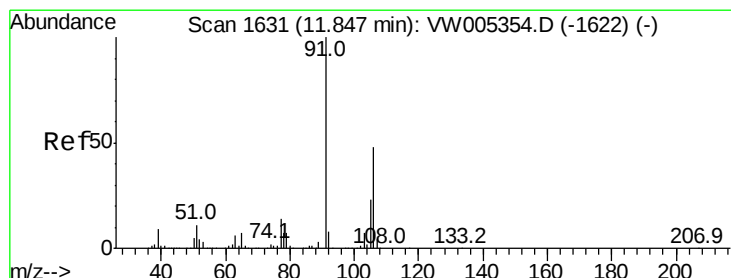
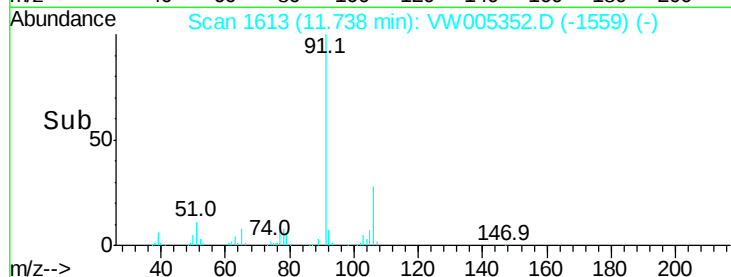
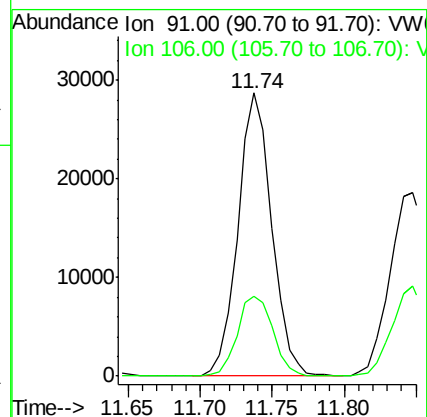
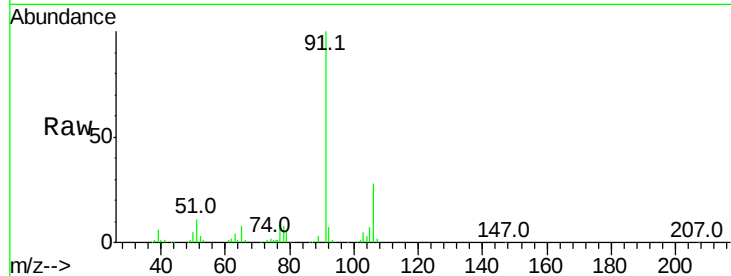
VSTD2.581

Tgt Ion: 91 Resp: 46764

Ion Ratio Lower Upper

91 100

106 28.4 20.8 38.6



#54

m,p-Xylene

Concen: 2.148 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005352.D

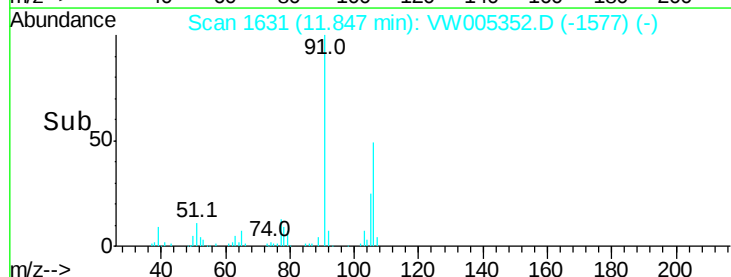
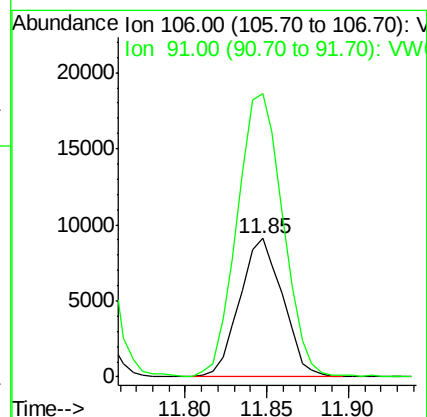
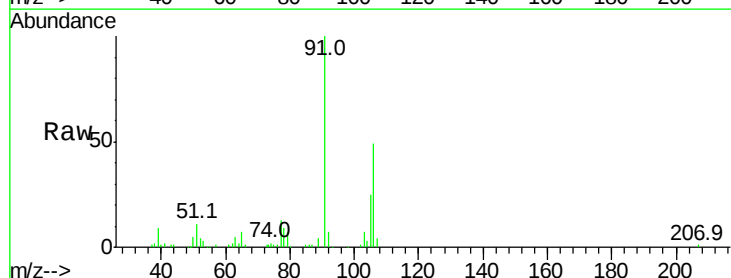
Acq: 13 Sep 2018 13:53

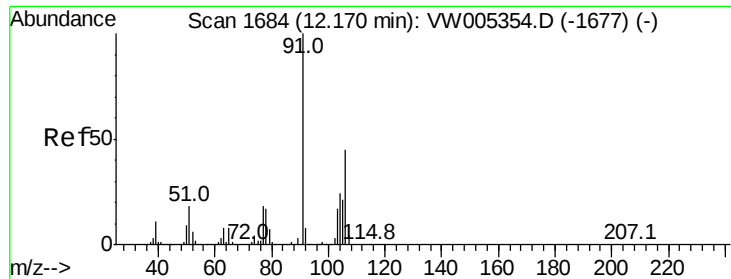
Tgt Ion: 106 Resp: 16808

Ion Ratio Lower Upper

106 100

91 204.8 146.4 271.8

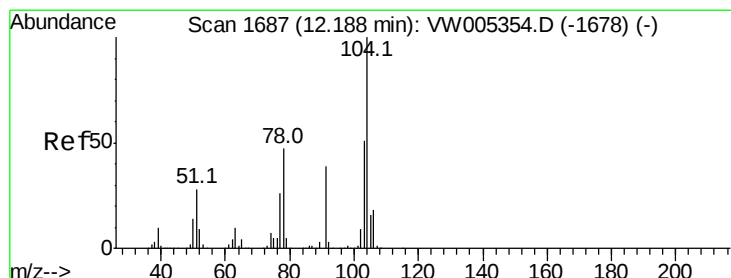
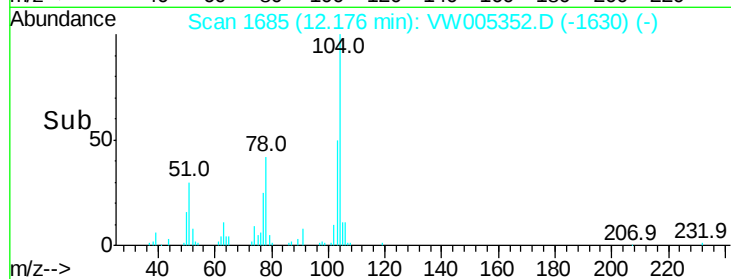
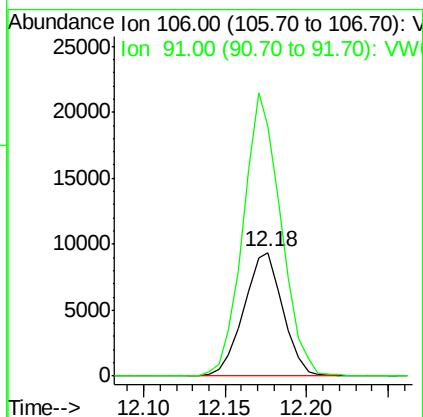
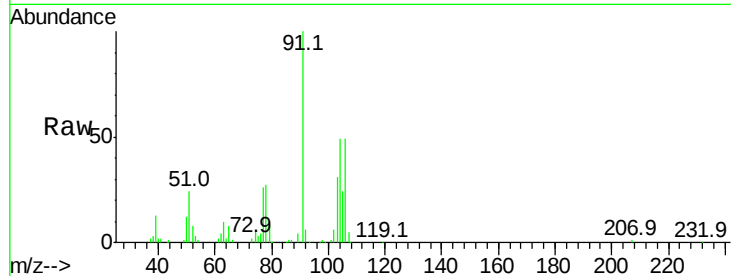




#55
o-xylene
Concen: 2.131 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

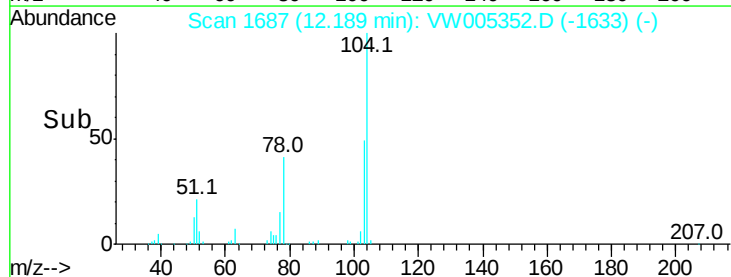
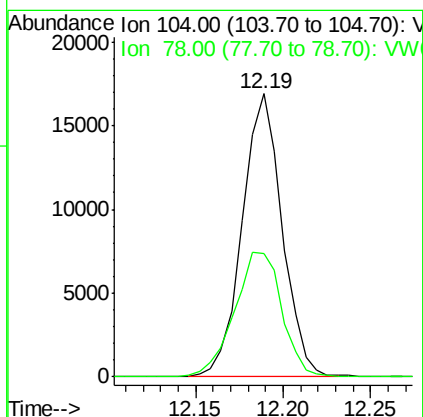
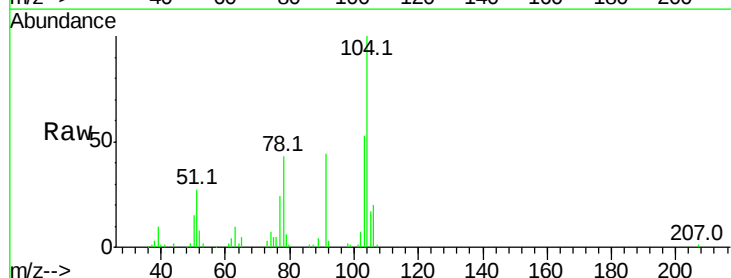
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

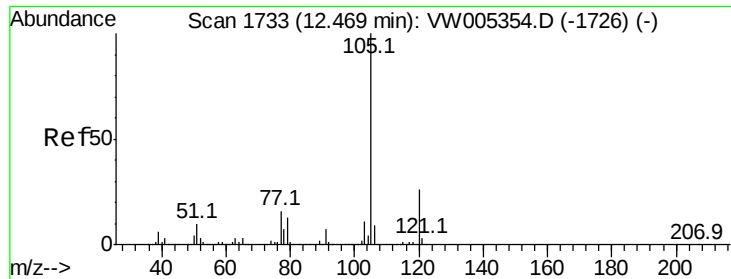
Tgt Ion:106 Resp: 15612
Ion Ratio Lower Upper
106 100
91 202.5 155.1 288.1



#56
Styrene
Concen: 2.125 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005352.D
Acq: 13 Sep 2018 13:53

Tgt Ion:104 Resp: 26820
Ion Ratio Lower Upper
104 100
78 43.4 32.8 60.8





#57

Isopropylbenzene

Concen: 2.069 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

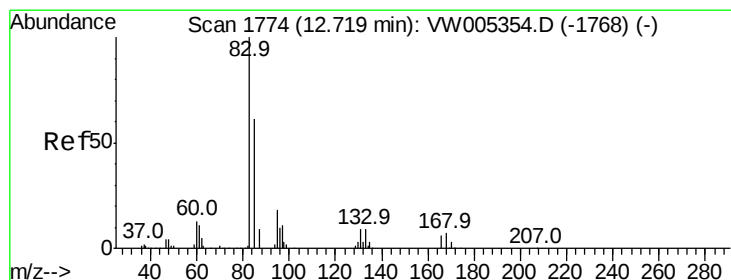
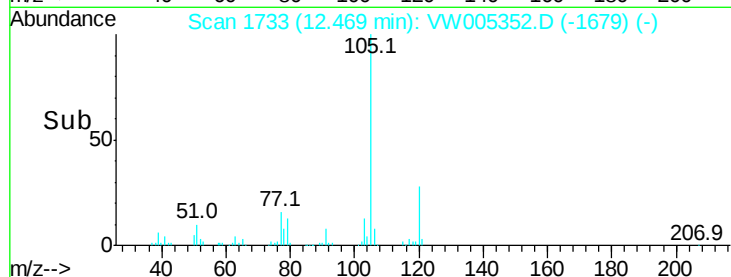
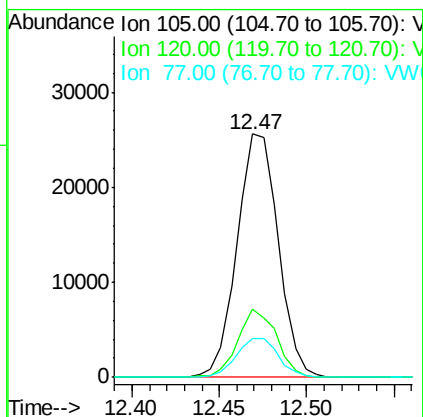
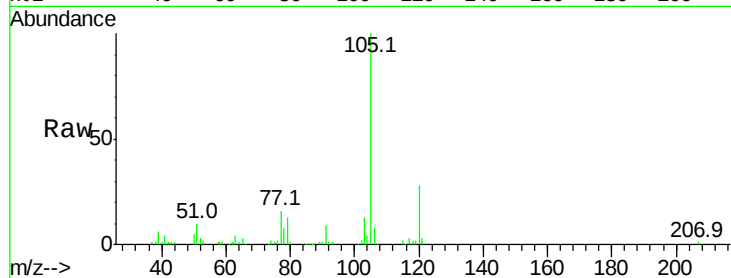
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

Tgt Ion:	105	Resp:	42000
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.3	30.5
77	16.2	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 2.381 ug/L

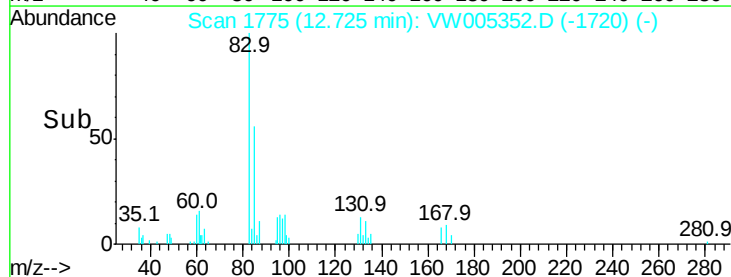
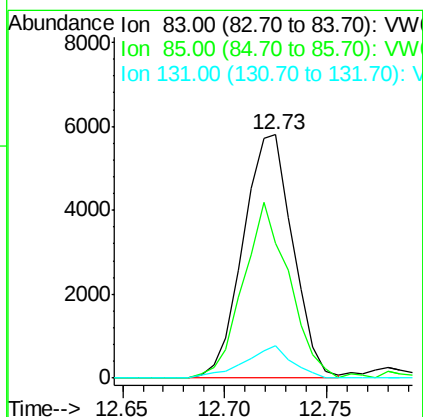
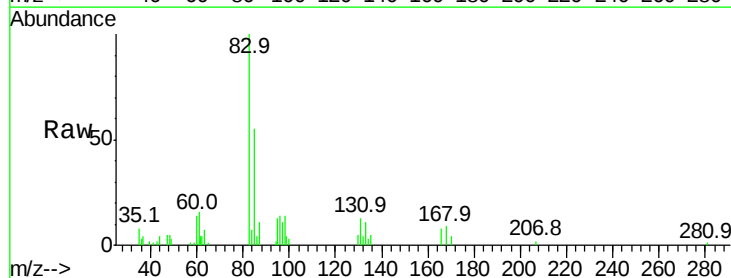
RT: 12.73 min Scan# 1775

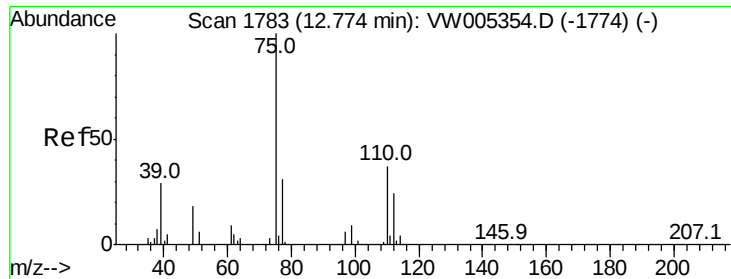
Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Tgt Ion:	83	Resp:	9827
Ion	Ratio	Lower	Upper
83	100		
85	55.3	43.2	80.2
131	13.2	7.9	11.9#





#59

1,2,3-Trichloropropane

Concen: 2.422 ug/L

RT: 12.78 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

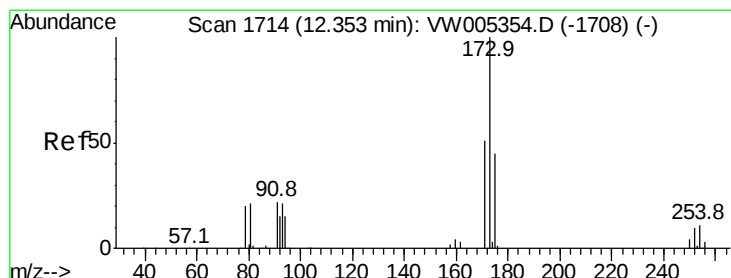
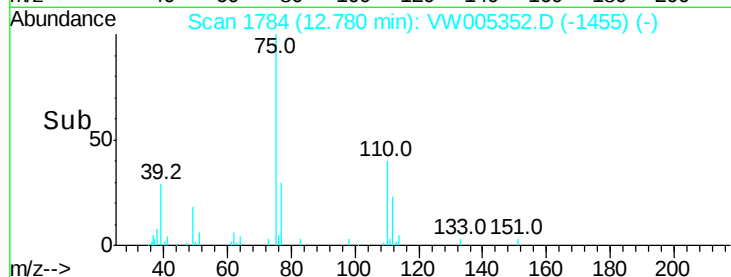
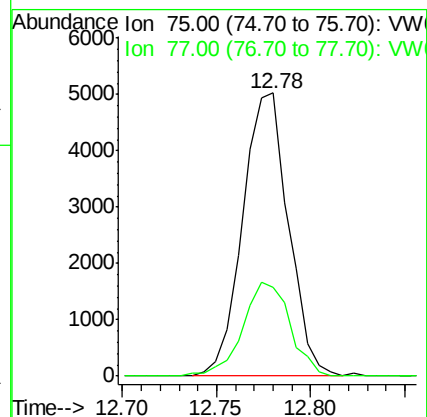
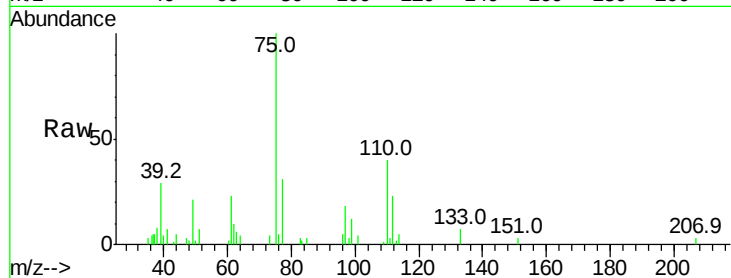
VSTD2.581

Tgt Ion: 75 Resp: 8467

Ion Ratio Lower Upper

75 100

77 34.4 25.7 38.5



#62

Bromoform

Concen: 2.310 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

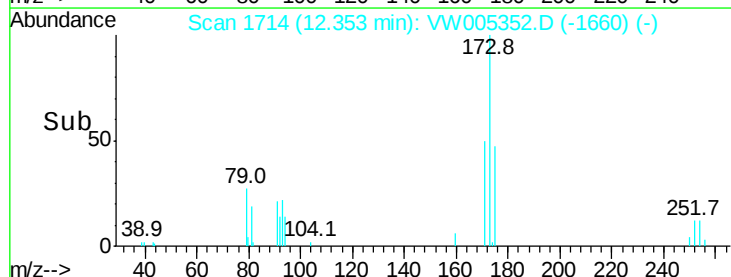
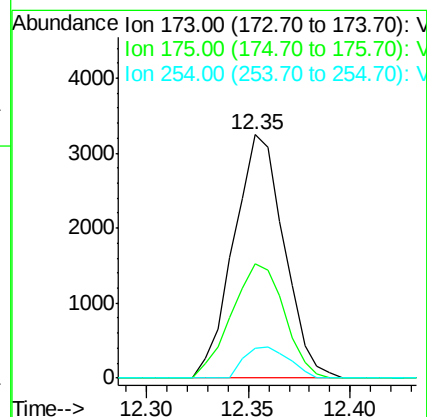
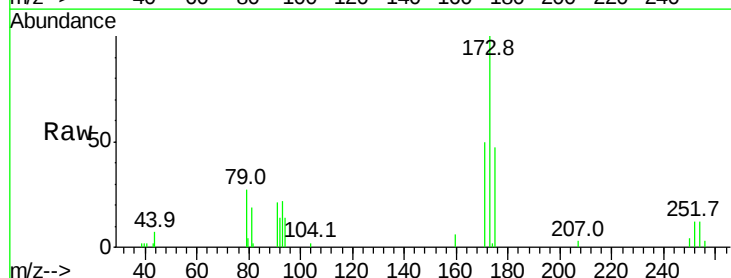
Tgt Ion: 173 Resp: 5580

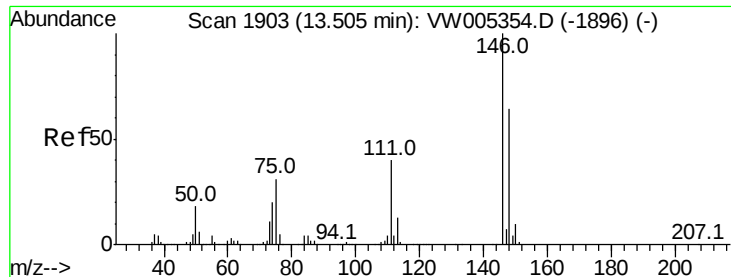
Ion Ratio Lower Upper

173 100

175 49.4 37.8 56.8

254 11.2 8.6 13.0

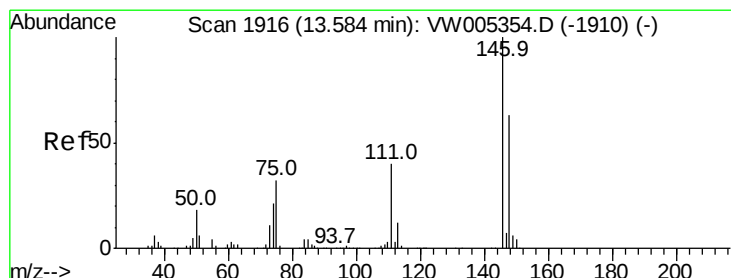
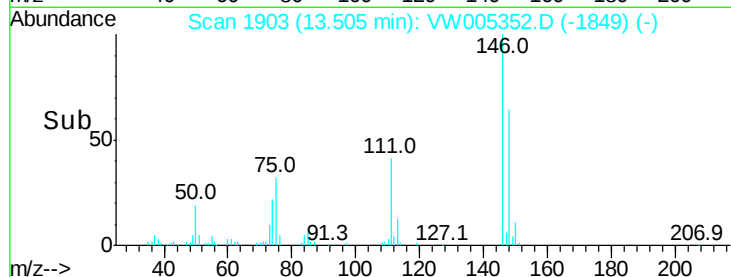
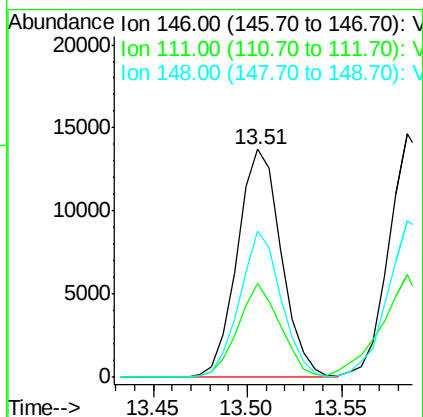
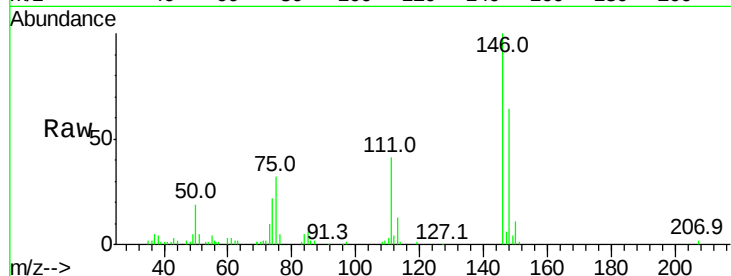




#63
 1,3-Dichlorobenzene
 Concen: 2.430 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

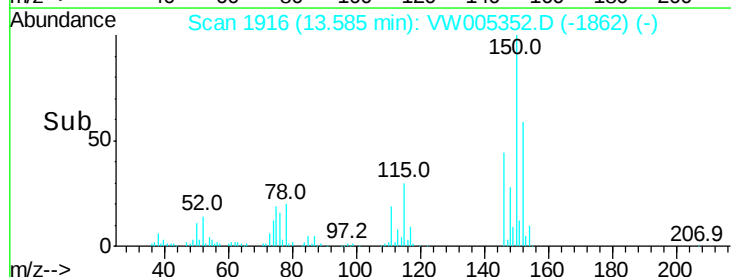
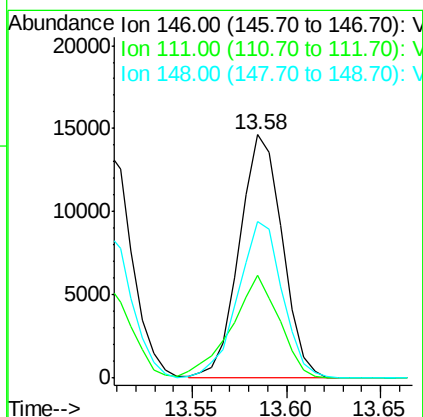
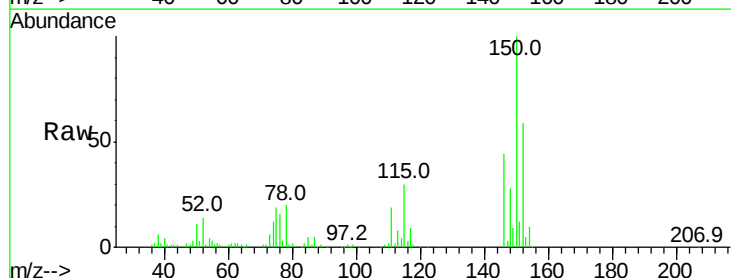
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

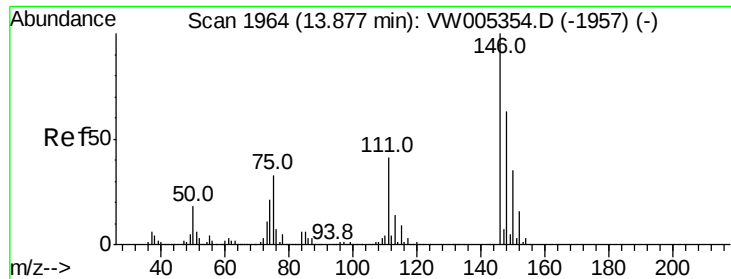
Tgt Ion:146 Resp: 22194
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.1 52.3
 148 64.1 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 2.414 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

Tgt Ion:146 Resp: 23151
 Ion Ratio Lower Upper
 146 100
 111 42.4 27.9 51.9
 148 64.3 44.3 82.3

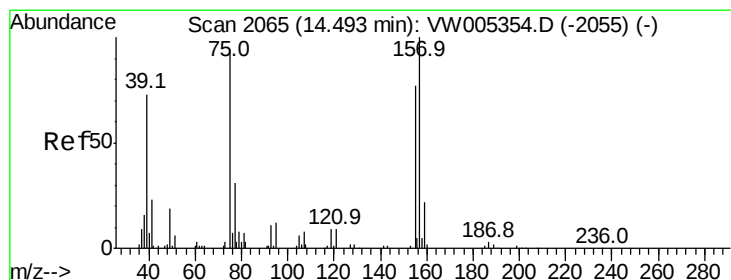
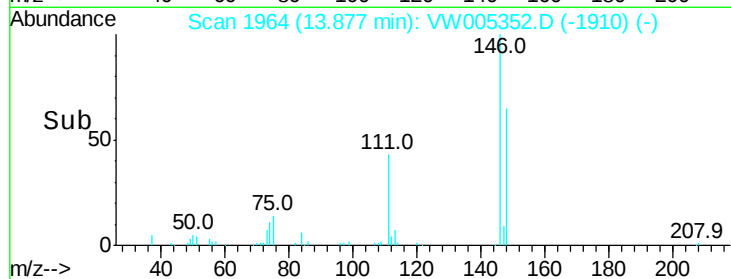
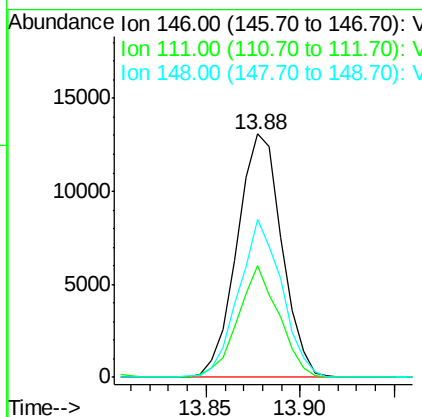
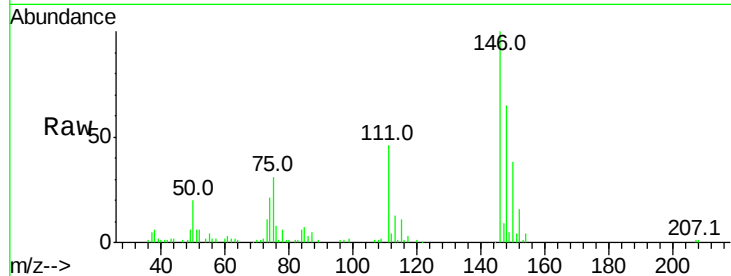




#65
 1,2-Dichlorobenzene
 Concen: 2.436 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

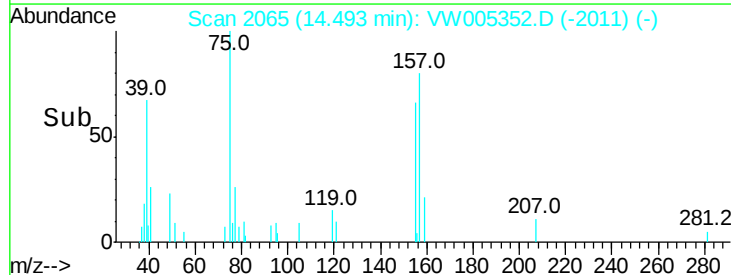
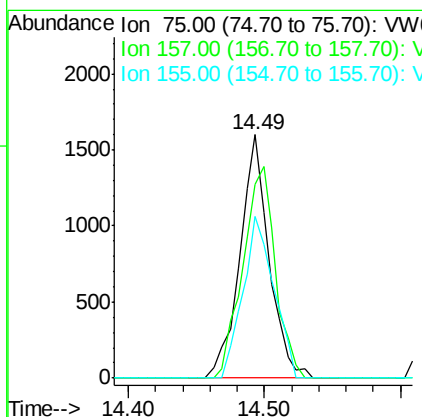
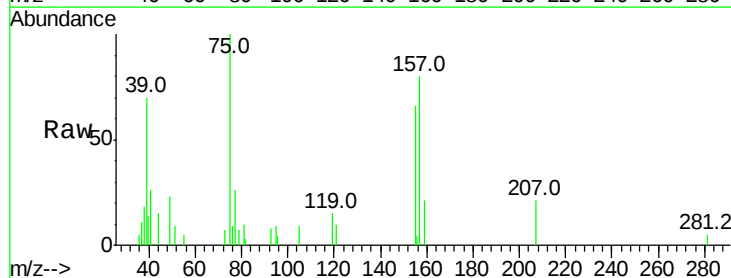
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

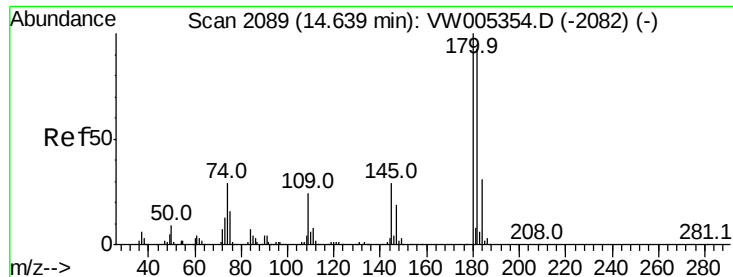
Tgt Ion:146 Resp: 21588
 Ion Ratio Lower Upper
 146 100
 111 45.8 32.9 49.3
 148 64.8 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.564 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

Tgt Ion: 75 Resp: 2382
 Ion Ratio Lower Upper
 75 100
 157 79.8 86.3 129.5#
 155 66.3 66.6 100.0#

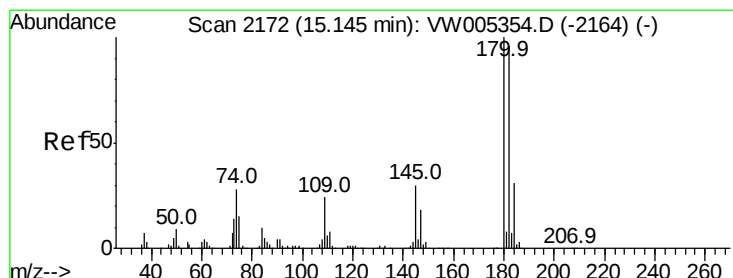
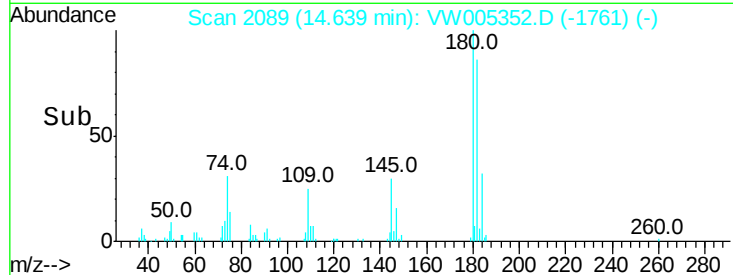
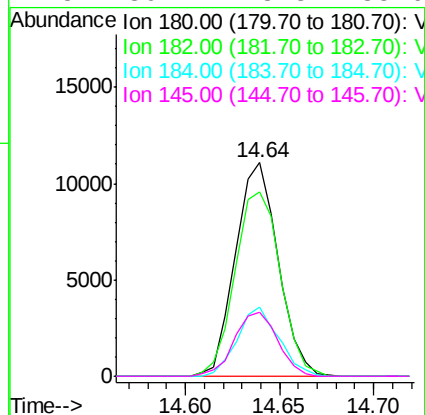
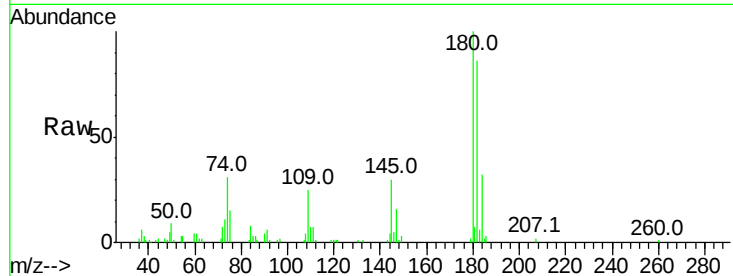




#67
 1,3,5-Trichlorobenzene
 Concen: 2.392 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

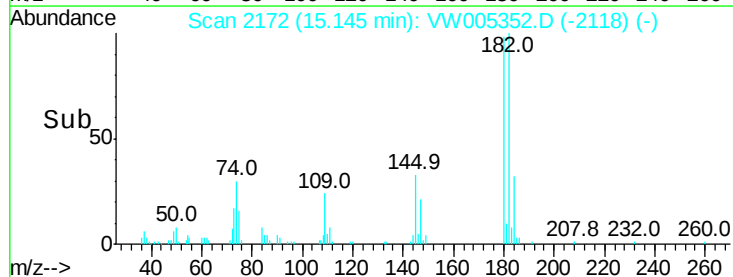
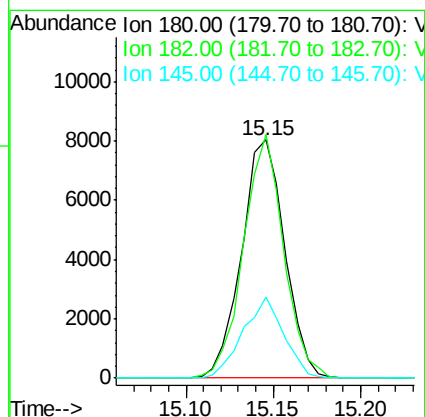
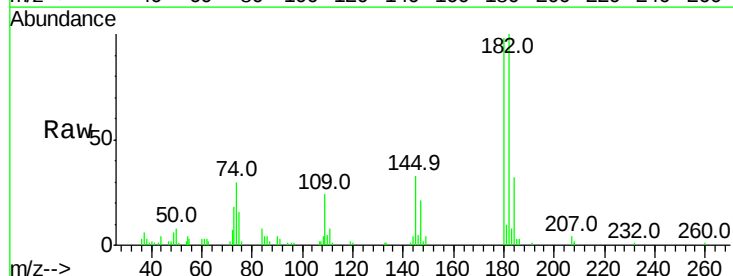
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

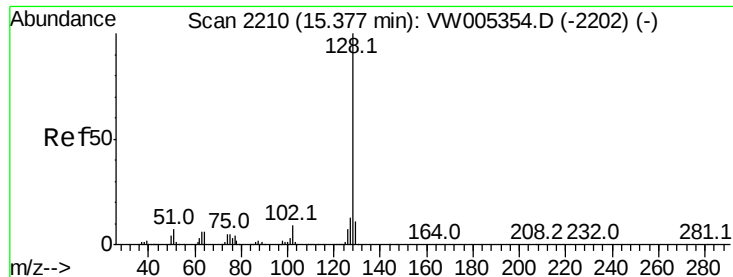
Tgt Ion:180 Resp: 17474
 Ion Ratio Lower Upper
 180 100
 182 91.6 75.7 113.5
 184 31.3 24.0 36.0
 145 30.2 23.8 35.6



#68
 1,2,4-trichlorobenzene
 Concen: 2.289 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005352.D
 Acq: 13 Sep 2018 13:53

Tgt Ion:180 Resp: 13805
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 115.0
 145 32.3 24.2 36.4





#69

Naphthalene

Concen: 2.134 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

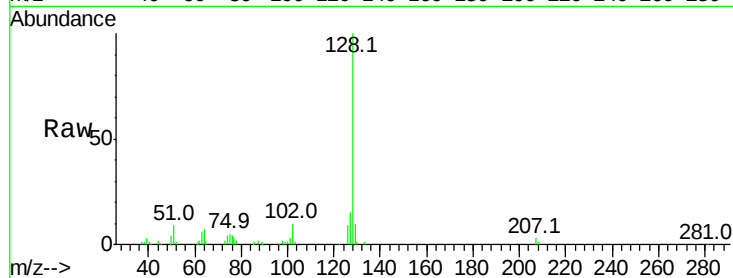
Tgt Ion:128 Resp: 27519

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

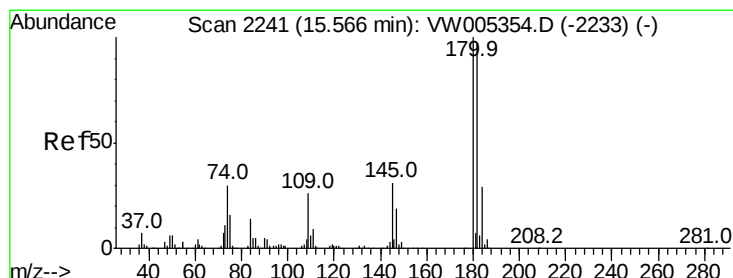
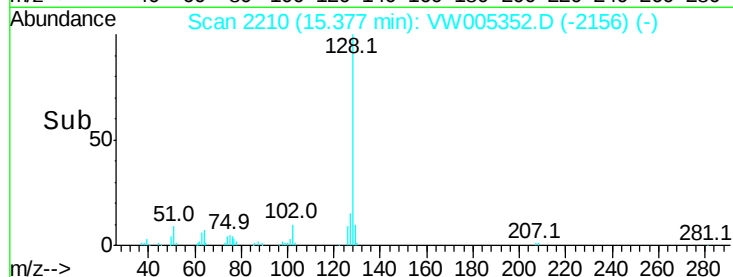
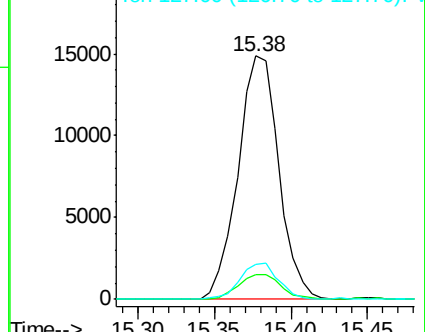
127 14.1 10.9 16.3



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: 2.260 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005352.D

Acq: 13 Sep 2018 13:53

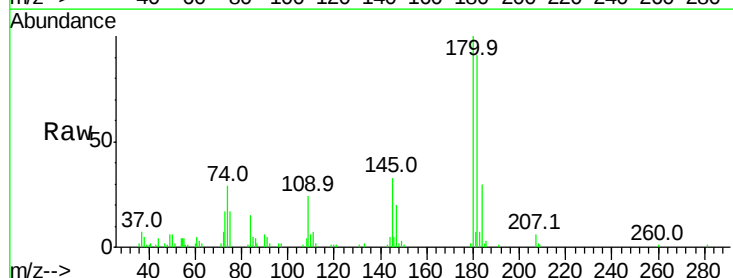
Tgt Ion:180 Resp: 12755

Ion Ratio Lower Upper

180 100

182 97.1 76.9 115.3

145 34.1 26.0 39.0



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

