

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091418\
 Data File : VW005358.D
 Acq On : 13 Sep 2018 18:25
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

Quant Time: Sep 14 06:00:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 05:03:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	312275	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	305516	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	161312	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	85730	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.16%
7) Chloroethane-d5	2.89	69	66357	26.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.16%
10) 1,1-Dichloroethene-d2	4.03	63	162550	25.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.04%
20) 2-Butanone-d5	7.10	46	57363	42.26	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.52%
24) Chloroform-d	7.65	84	165916	28.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.96%
26) 1,2-Dichloroethane-d4	8.31	65	102841	27.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.44%
29) Benzene-d6	8.28	84	338216	27.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.28%
33) 1,2-Dichloropropane-d6	9.28	67	97548	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.44%
37) Toluene-d8	10.33	98	354918	28.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.24%
38) trans-1,3-Dichloropropene-	10.58	79	48668	27.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.12%
39) 2-Hexanone-d5	10.93	63	49964	45.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.66%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	93956	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	136956	28.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	158855	24.678 ug/L	100
3) Chloromethane	2.21	50	142244	23.997 ug/L	99
5) Vinyl chloride	2.36	62	135784	24.044 ug/L	100
6) Bromomethane	2.78	94	76596	26.179 ug/L	99
8) Chloroethane	2.92	64	73635	24.548 ug/L	96
9) Trichlorofluoromethane	3.27	101	175082	23.803 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	96658	24.055 ug/L	99
12) 1,1-Dichloroethene	4.04	96	83815	24.663 ug/L	91
13) Acetone	4.15	43	43894	34.442 ug/L	97
14) Carbon disulfide	4.38	76	322212	24.150 ug/L	99
15) Methyl Acetate	4.68	43	53869	19.159 ug/L	100
16) Methylene chloride	4.93	84	118480	19.979 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	227138	24.076 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	94742	24.967 ug/L	97
19) 1,1-Dichloroethane	6.23	63	172599	24.890 ug/L	99
21) 2-Butanone	7.19	43	66617	34.108 ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	101151	24.975 ug/L	95

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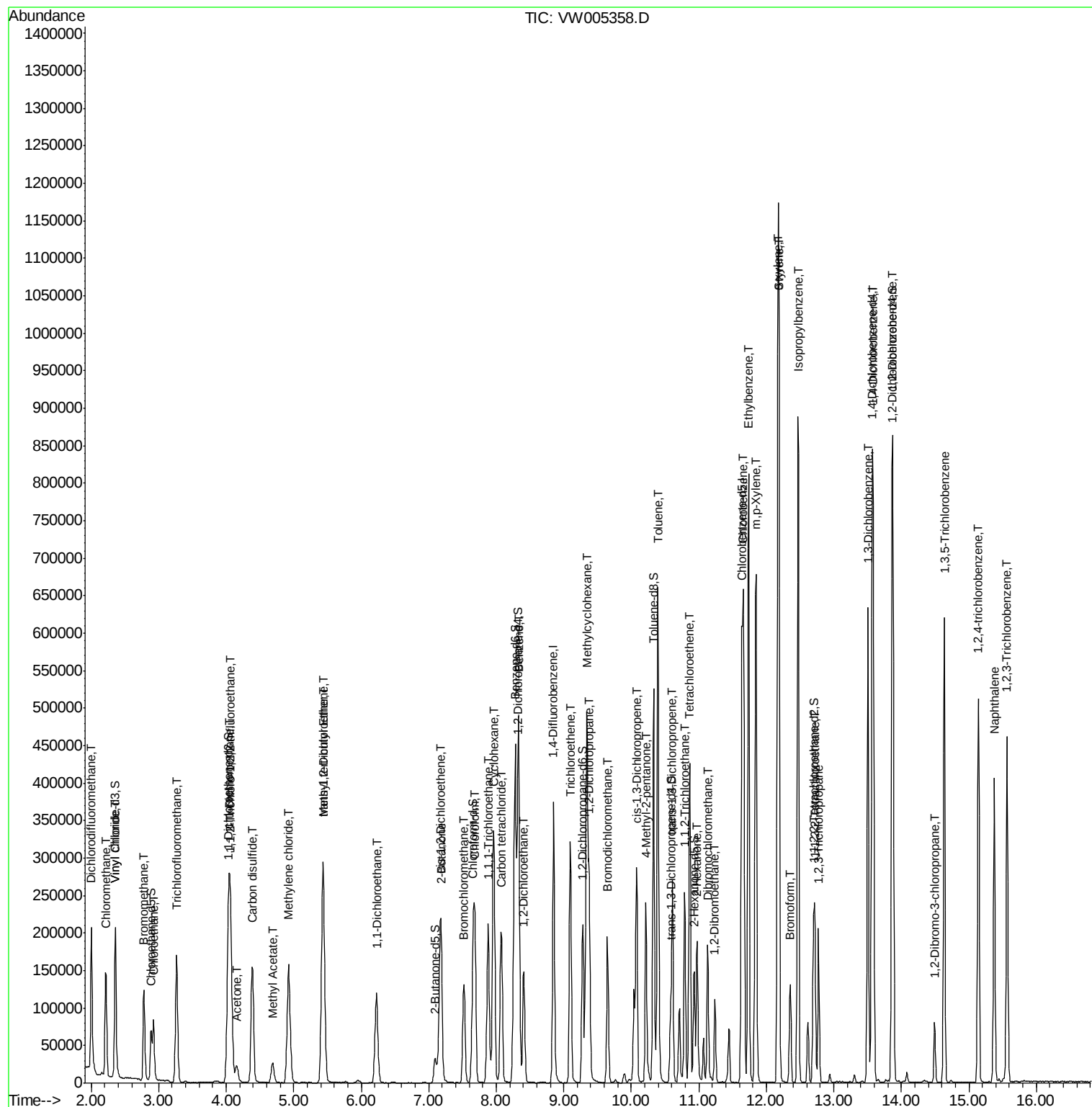
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	46428	24.599	ug/L	98
25) Chloroform	7.68	83	183555	25.171	ug/L	99
27) 1,2-Dichloroethane	8.41	62	138900	24.538	ug/L	99
30) Cyclohexane	7.96	56	166881	24.191	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	173994	25.049	ug/L	98
32) Carbon tetrachloride	8.07	117	155473	24.126	ug/L	100
34) Benzene	8.33	78	423776	24.898	ug/L	100
35) Trichloroethene	9.10	95	109657	24.273	ug/L	98
36) Methylcyclohexane	9.34	83	193301	24.652	ug/L	97
40) 1,2-Dichloropropane	9.37	63	100252	23.859	ug/L	100
41) Bromodichloromethane	9.65	83	134359	24.944	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	154791	24.940	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	161473	40.194	ug/L	100
44) Toluene	10.40	91	498615	25.567	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	142782	24.554	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	77781	23.582	ug/L	98
47) Tetrachloroethene	10.87	164	98487	24.078	ug/L	99
49) 2-Hexanone	10.98	43	113785	38.527	ug/L	96
50) Dibromochloromethane	11.13	129	95228	24.168	ug/L	94
51) 1,2-Dibromoethane	11.24	107	74732	23.085	ug/L	99
52) Chlorobenzene	11.66	112	314986	24.751	ug/L	96
53) Ethylbenzene	11.74	91	572328	25.232	ug/L	99
54) m,p-Xylene	11.85	106	215567	25.383	ug/L	97
55) o-xylene	12.17	106	204291	25.616	ug/L	99
56) Styrene	12.19	104	358500	26.044	ug/L	99
57) Isopropylbenzene	12.47	105	563742	25.448	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	99273	21.890	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	82323	21.239	ug/L	99
62) Bromoform	12.35	173	62209	23.015	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	255071	24.867	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	263273	24.869	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	242286	24.673	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	20585	19.319	ug/L	87
67) 1,3,5-Trichlorobenzene	14.64	180	198945	24.495	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	167179	24.904	ug/L	99
69) Naphthalene	15.38	128	341233	23.201	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	157729	24.999	ug/L	99

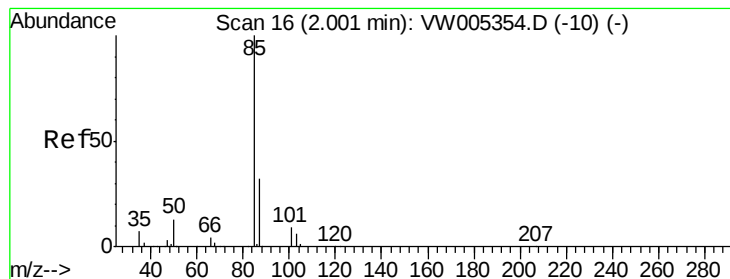
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.678 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

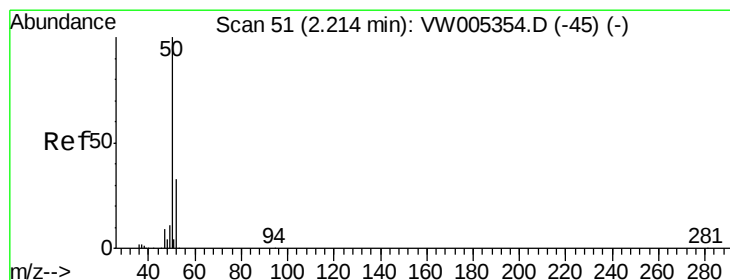
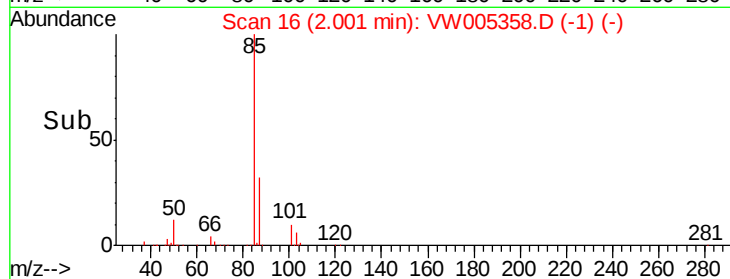
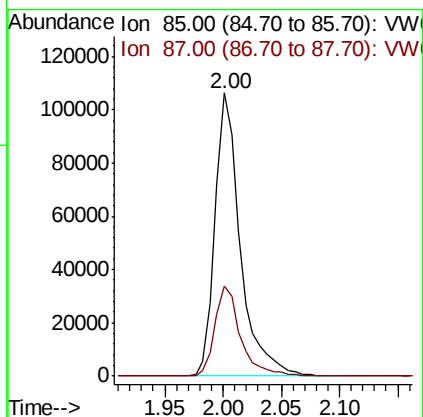
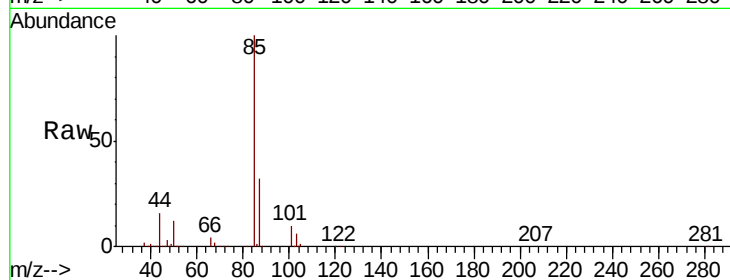
VICV86

Tgt Ion: 85 Resp: 158855

Ion Ratio Lower Upper

85 100

87 32.3 22.7 42.3



#3

Chloromethane

Concen: 23.997 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005358.D

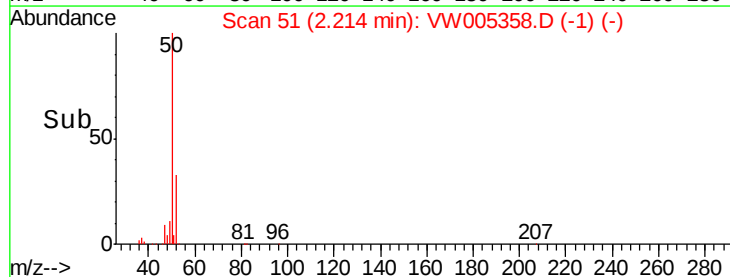
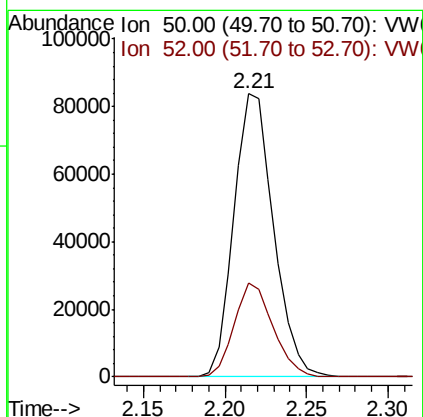
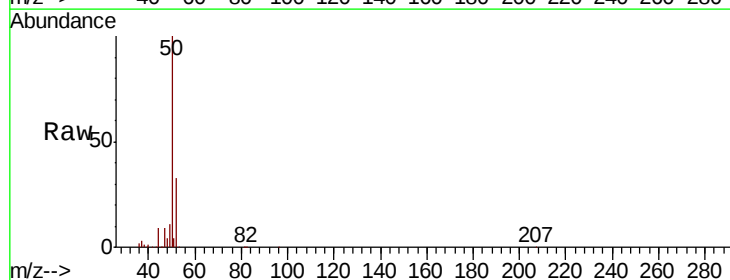
Acq: 13 Sep 2018 18:25

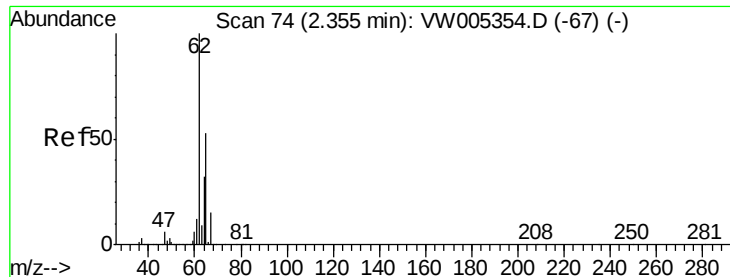
Tgt Ion: 50 Resp: 142244

Ion Ratio Lower Upper

50 100

52 33.1 22.9 42.5





#5

Vinyl chloride

Concen: 24.044 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

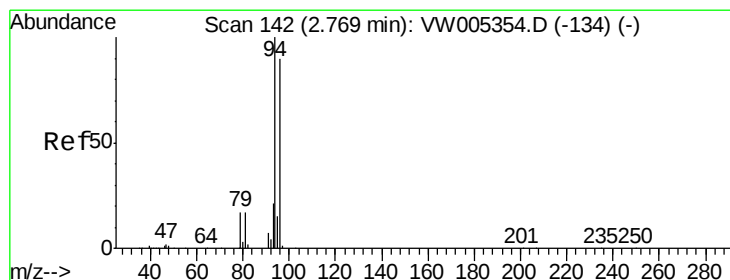
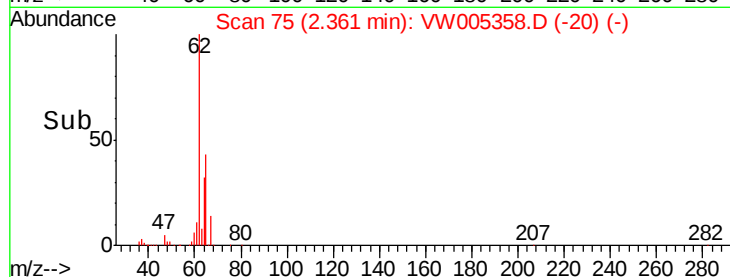
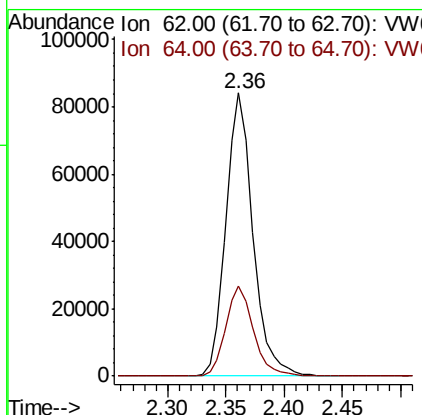
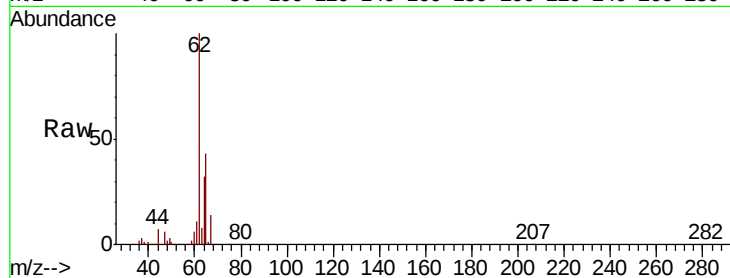
VICV86

Tgt Ion: 62 Resp: 135784

Ion Ratio Lower Upper

62 100

64 31.9 22.4 41.6



#6

Bromomethane

Concen: 26.179 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005358.D

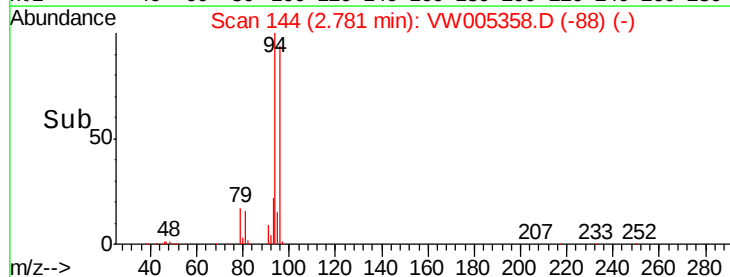
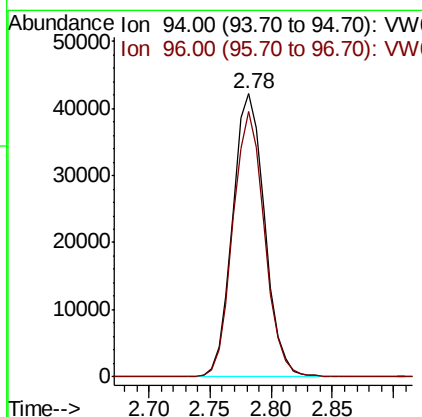
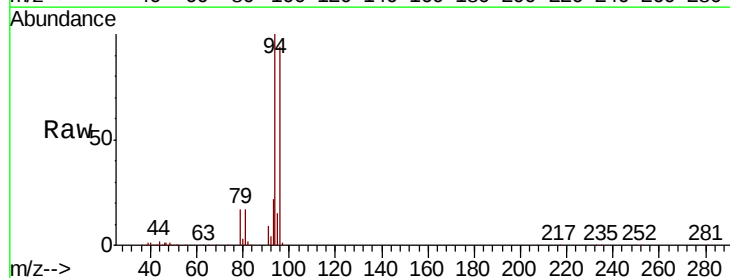
Acq: 13 Sep 2018 18:25

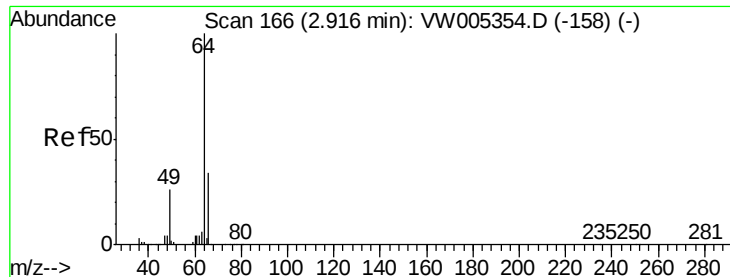
Tgt Ion: 94 Resp: 76596

Ion Ratio Lower Upper

94 100

96 91.9 9.3 176.3





#8

Chloroethane

Concen: 24.548 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

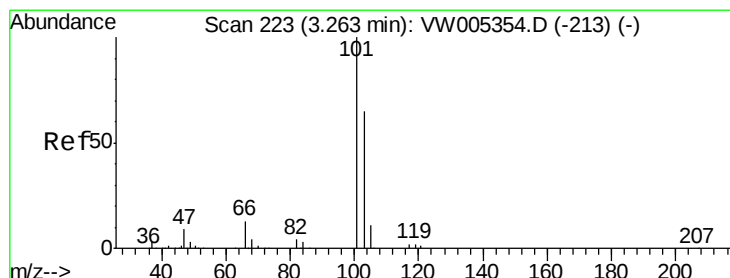
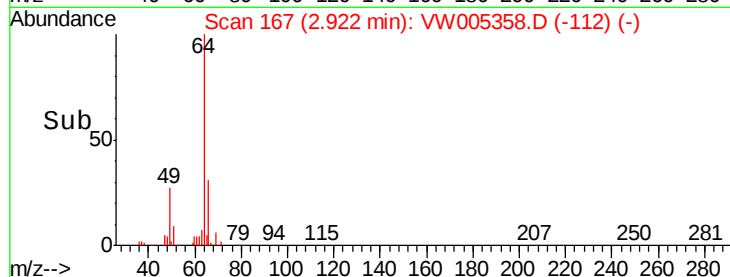
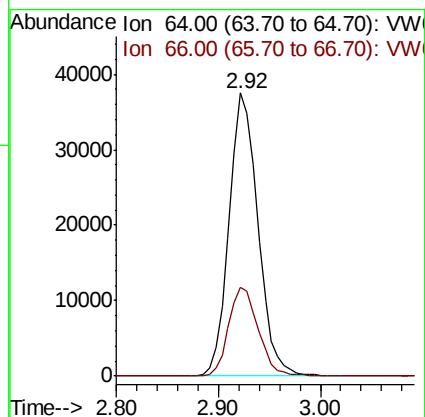
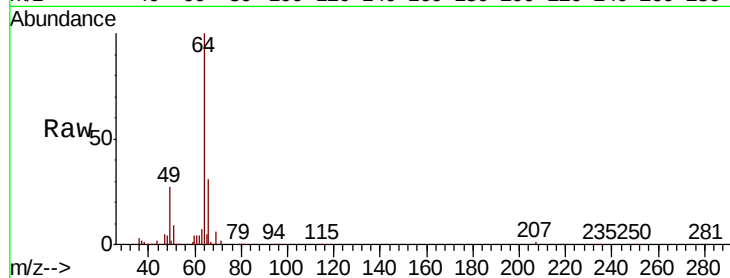
VICV86

Tgt Ion: 64 Resp: 73635

Ion Ratio Lower Upper

64 100

66 31.3 23.7 43.9



#9

Trichlorofluoromethane

Concen: 23.803 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW005358.D

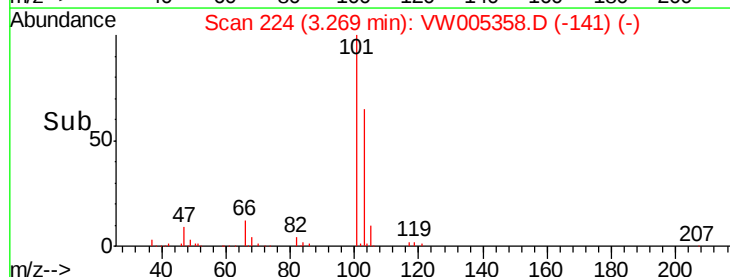
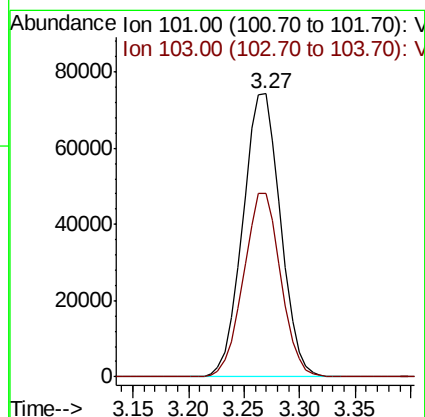
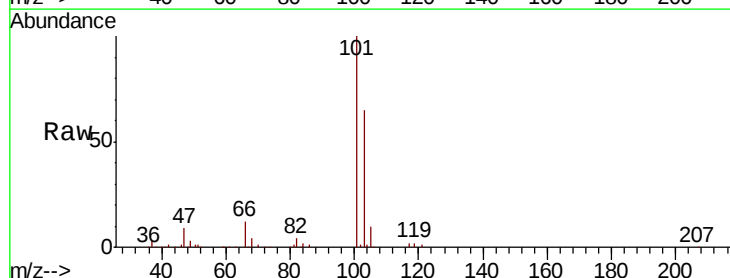
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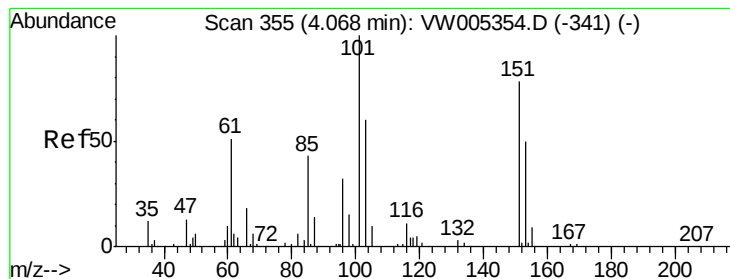
Tgt Ion: 101 Resp: 175082

Ion Ratio Lower Upper

101 100

103 64.1 44.9 83.5





#11

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

Concen: 24.055 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

VICV86

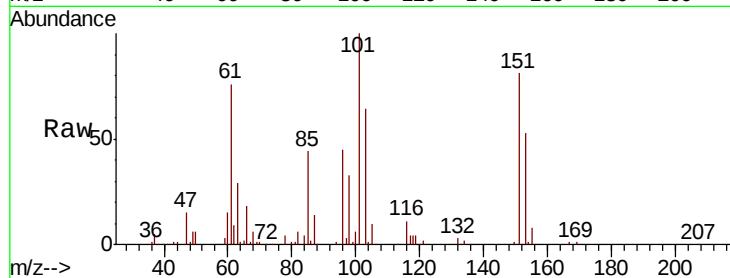
Tgt Ion: 101 Resp: 96658

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.8

151 81.0 63.9 95.9

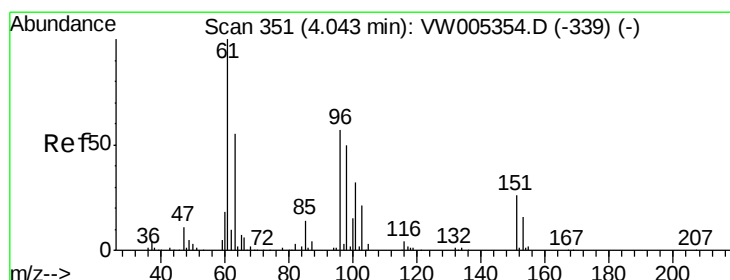
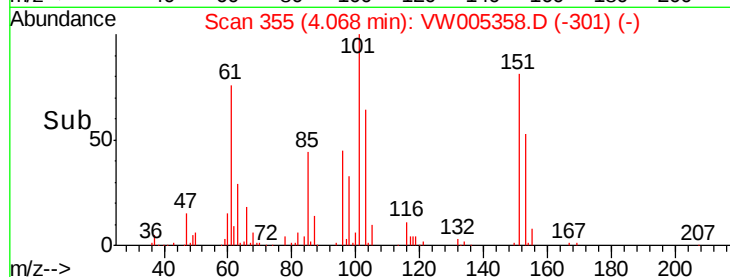
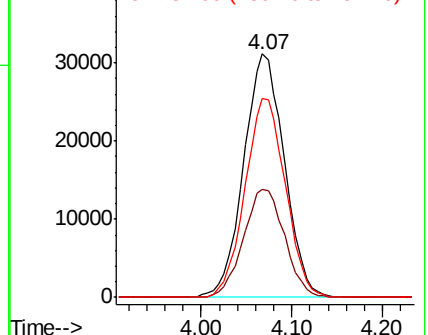


Abundance

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: 24.663 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

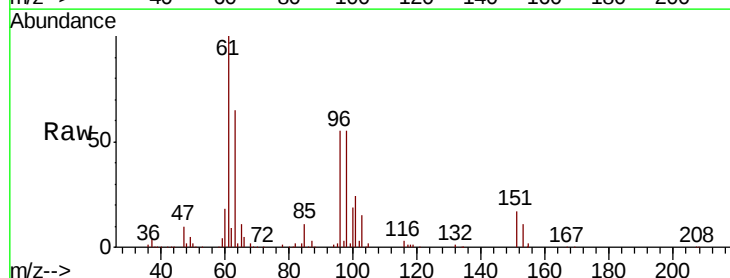
Tgt Ion: 96 Resp: 83815

Ion Ratio Lower Upper

96 100

61 180.4 123.3 229.1

63 118.0 69.4 128.8

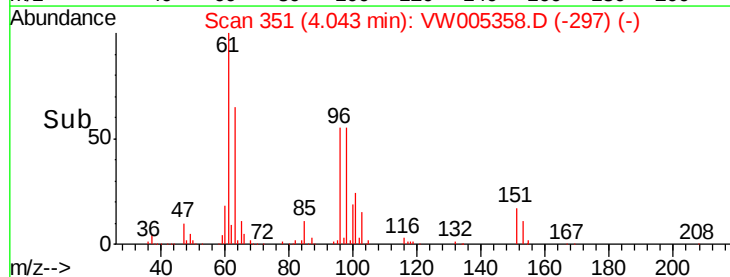
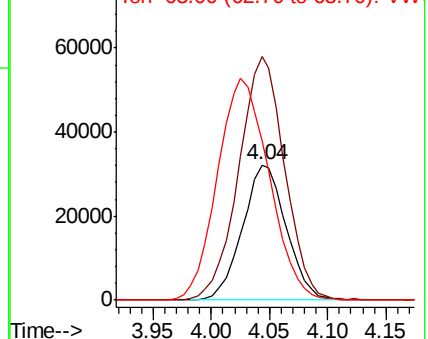


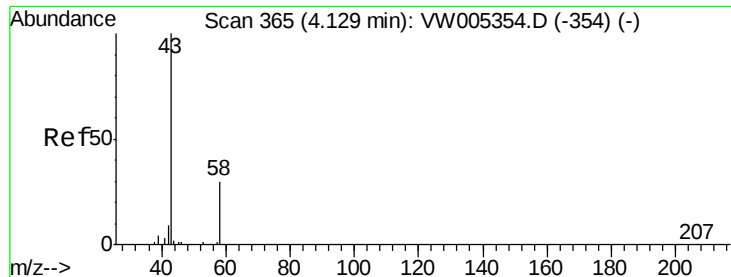
Abundance

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: 34.442 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

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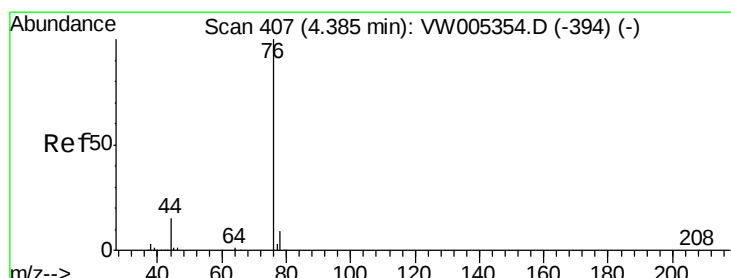
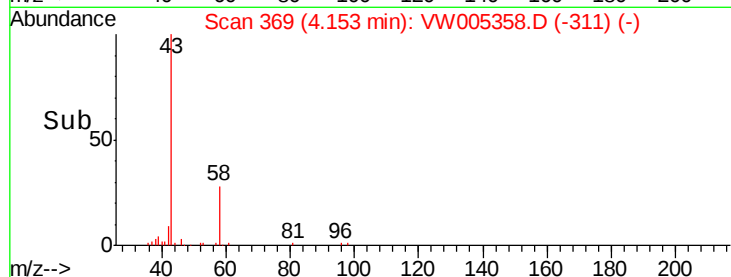
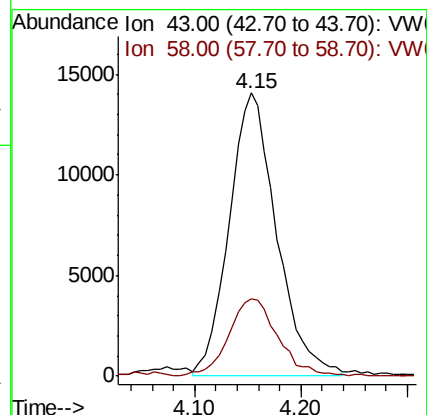
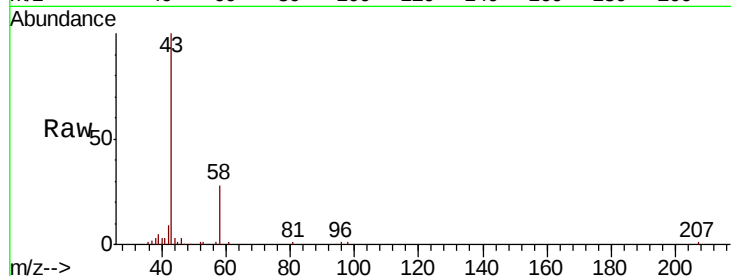
VICV86

Tgt Ion: 43 Resp: 43894

Ion Ratio Lower Upper

43 100

58 27.3 0.0 57.6



#14

Carbon disulfide

Concen: 24.150 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

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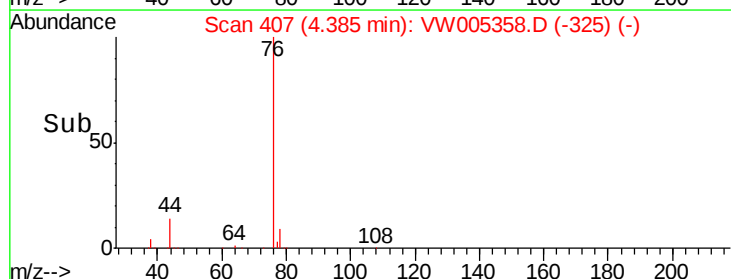
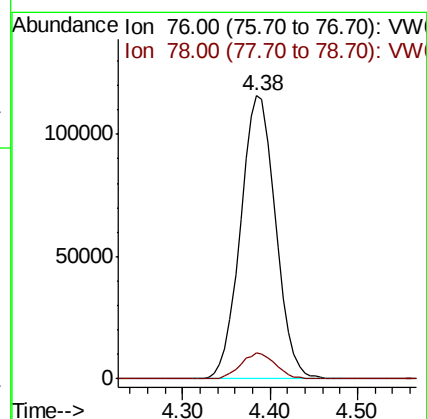
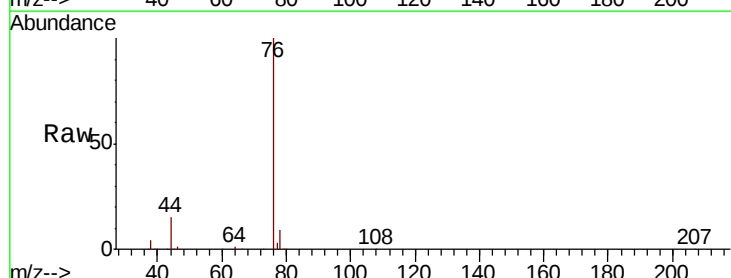
Acq: 13 Sep 2018 18:25

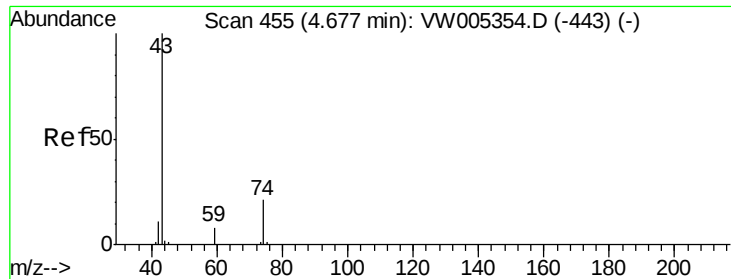
Tgt Ion: 76 Resp: 322212

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

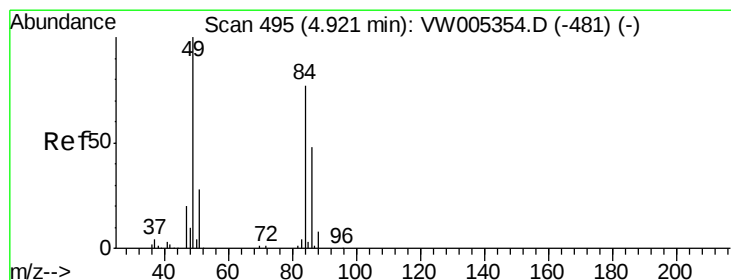
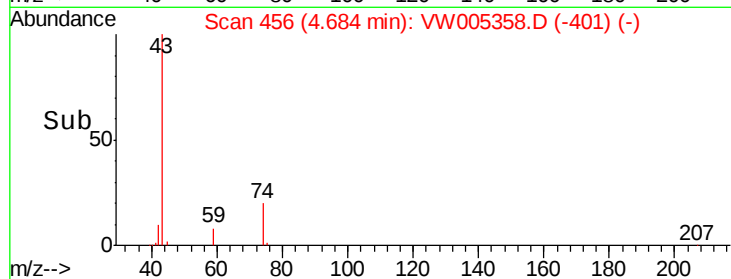
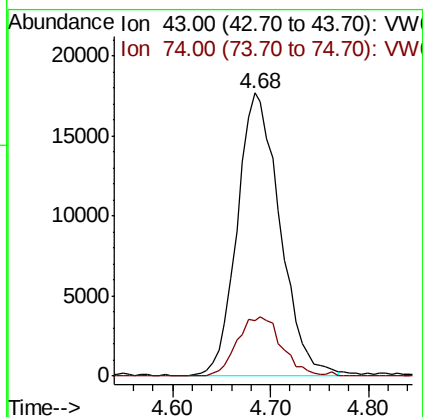
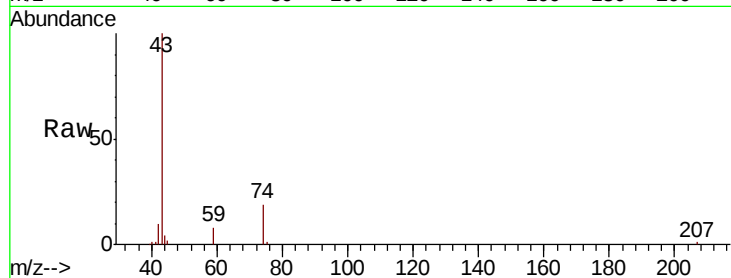




#15
Methyl Acetate
Concen: 19.159 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005358.D
Acq: 13 Sep 2018 18:25

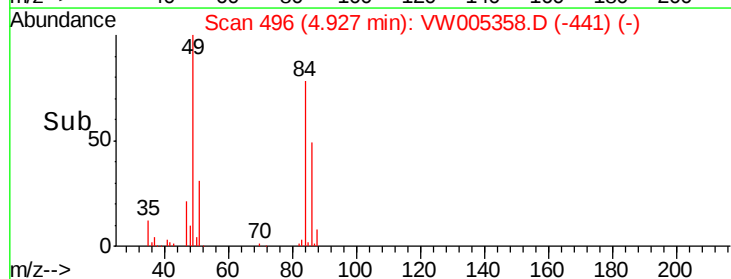
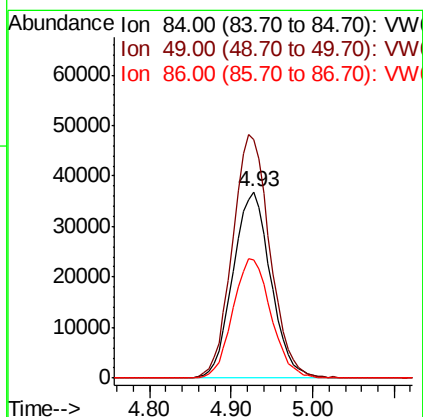
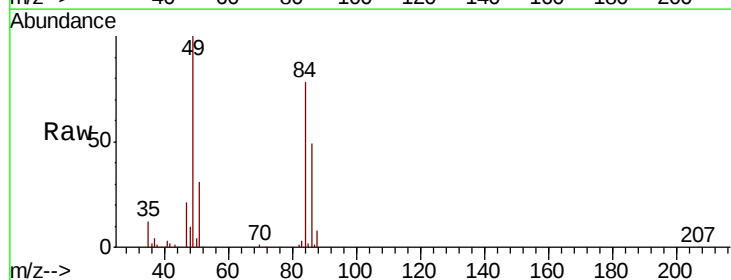
Instrument :
MSVOA_W
ClientSampleId :
VICV86

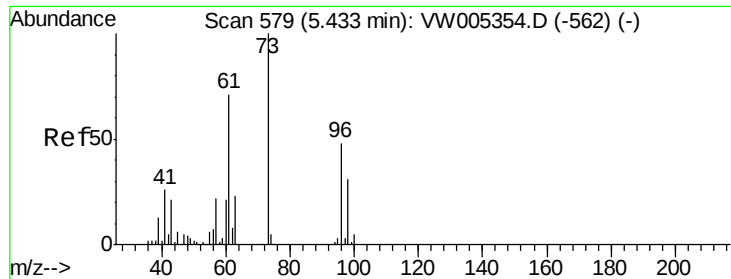
Tgt Ion: 43 Resp: 53869
Ion Ratio Lower Upper
43 100
74 21.7 17.5 26.3



#16
Methylene chloride
Concen: 19.979 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005358.D
Acq: 13 Sep 2018 18:25

Tgt Ion: 84 Resp: 118480
Ion Ratio Lower Upper
84 100
49 128.1 90.9 168.7
86 63.4 43.6 81.0

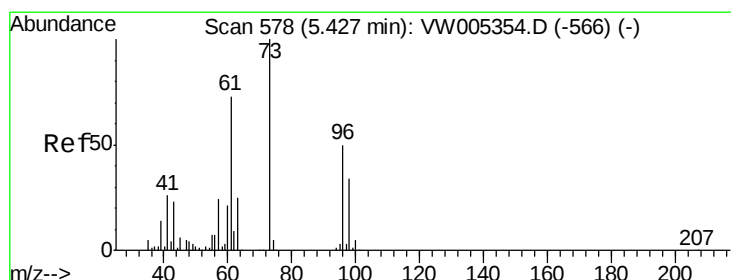
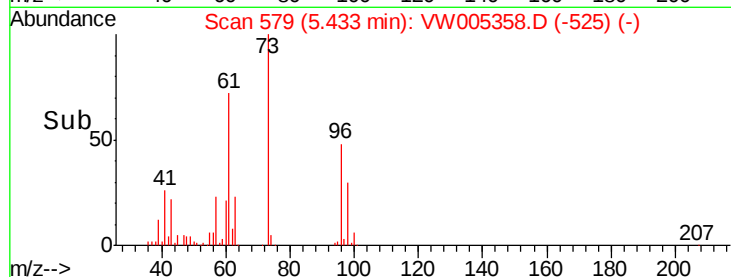
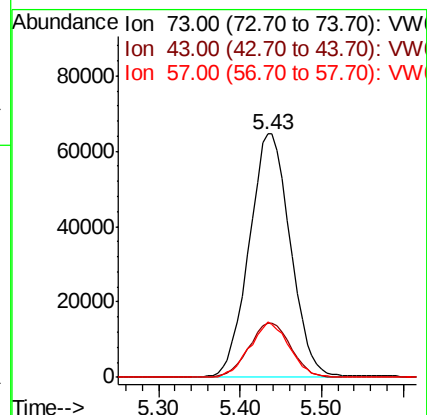
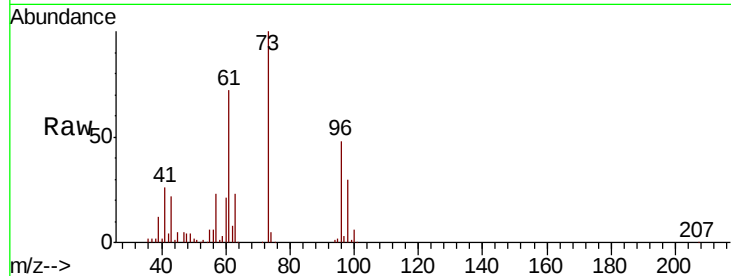




#17
Methyl tert-butyl Ether
Concen: 24.076 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW005358.D
Acq: 13 Sep 2018 18:25

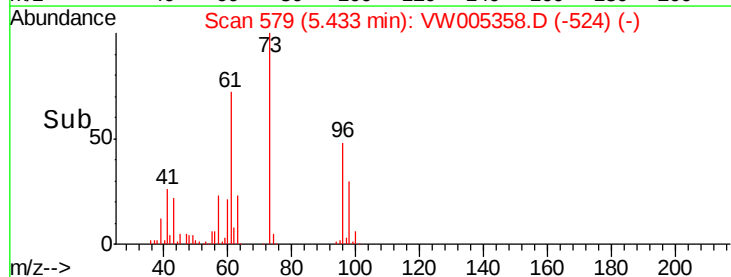
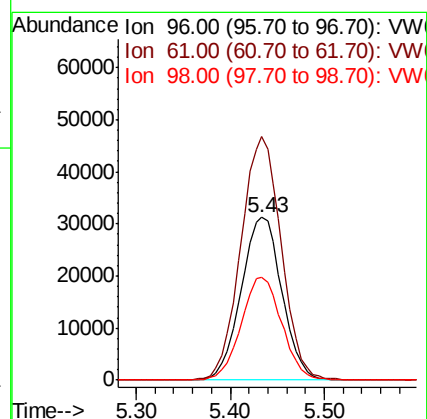
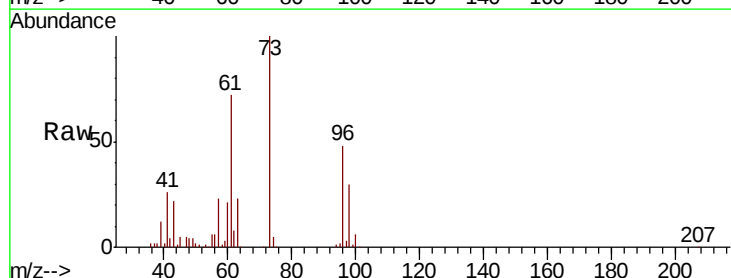
Instrument :
MSVOA_W
ClientSampled :
VICV86

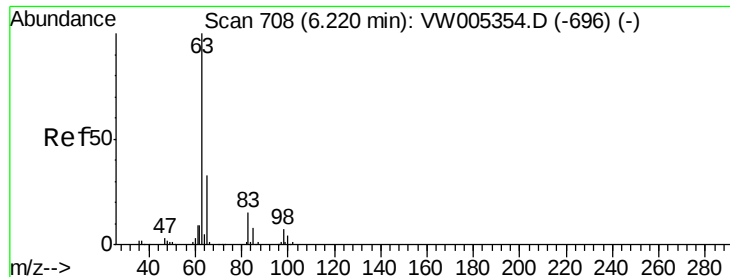
Tgt Ion: 73 Resp: 227138
Ion Ratio Lower Upper
73 100
43 22.6 17.7 26.5
57 21.8 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 24.967 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005358.D
Acq: 13 Sep 2018 18:25

Tgt Ion: 96 Resp: 94742
Ion Ratio Lower Upper
96 100
61 149.9 103.0 191.2
98 63.0 47.2 87.6





#19

1,1-Dichloroethane

Concen: 24.890 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

VICV86

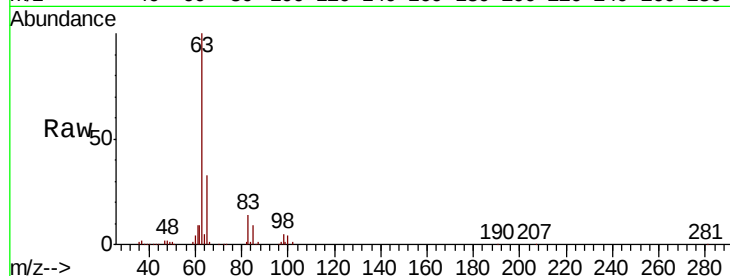
Tgt Ion: 63 Resp: 172599

Ion Ratio Lower Upper

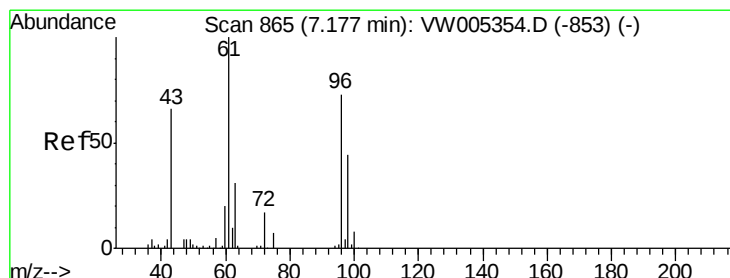
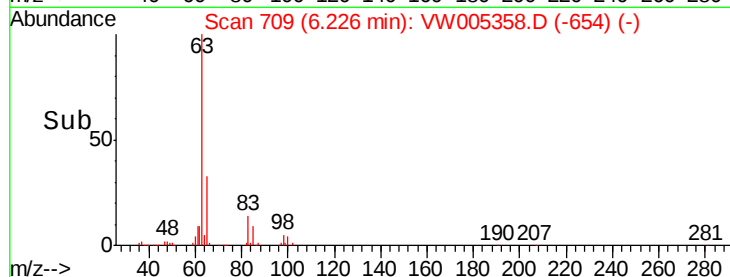
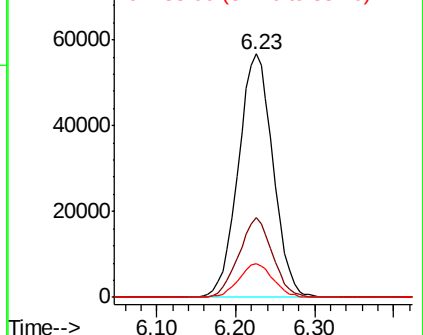
63 100

65 32.8 22.9 42.5

83 14.0 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 34.108 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005358.D

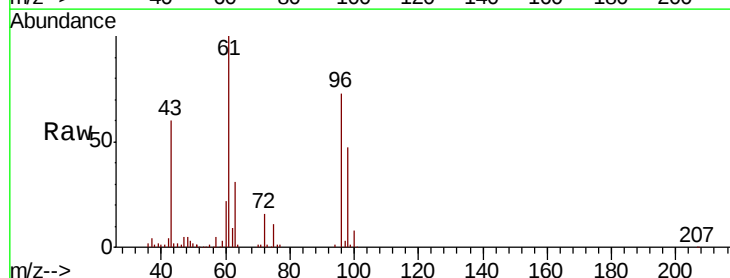
Acq: 13 Sep 2018 18:25

Tgt Ion: 43 Resp: 66617

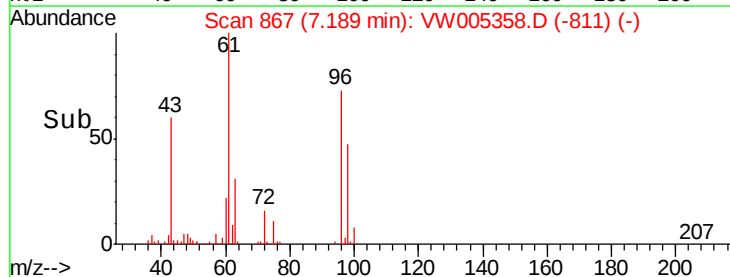
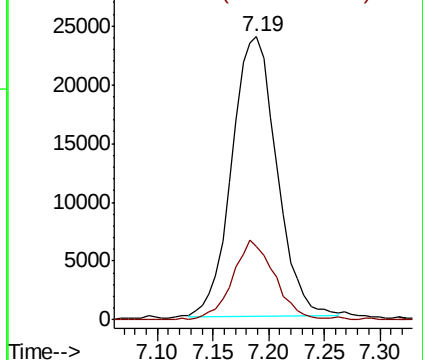
Ion Ratio Lower Upper

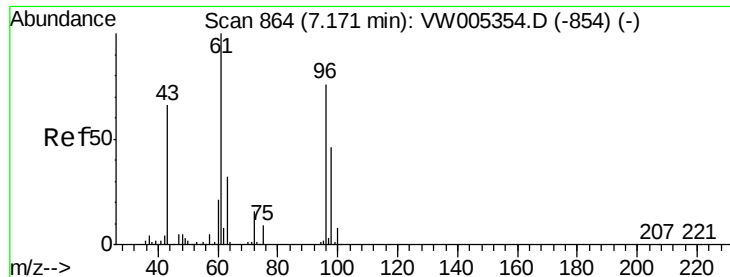
43 100

72 26.8 11.8 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



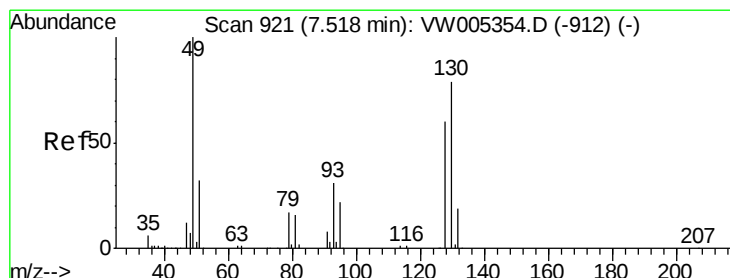
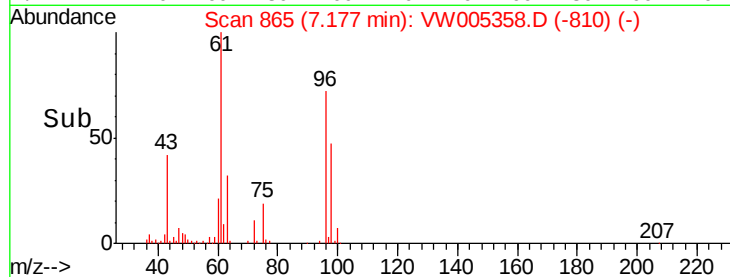
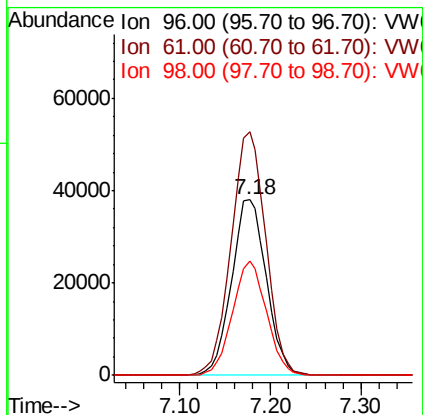
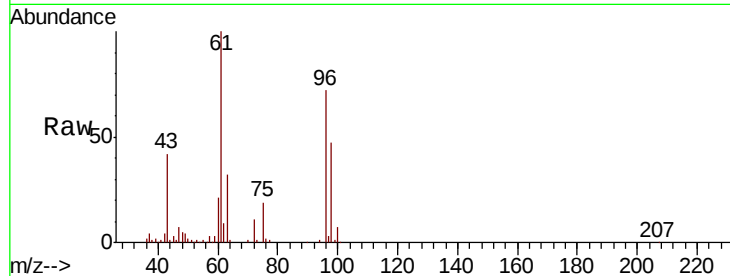


#22

cis-1,2-Dichloroethene
 Concen: 24.975 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

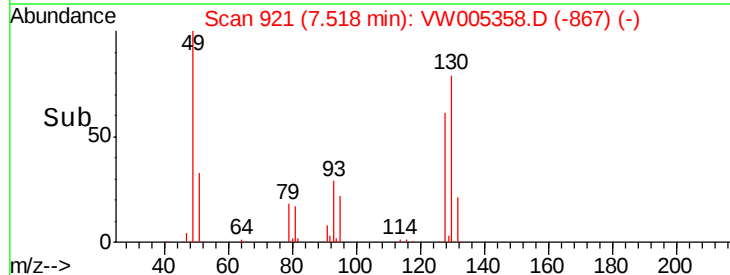
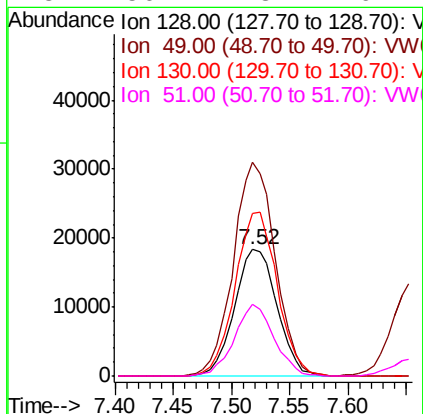
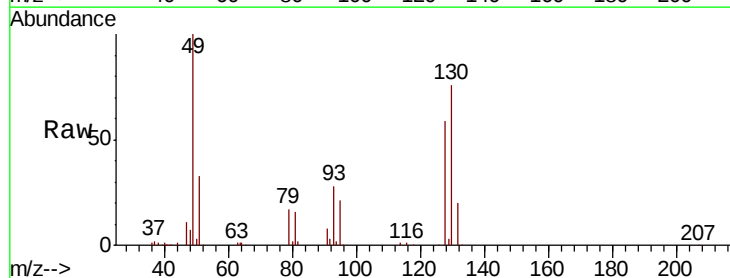
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.9	93.1	172.9
98	64.9	42.4	78.6

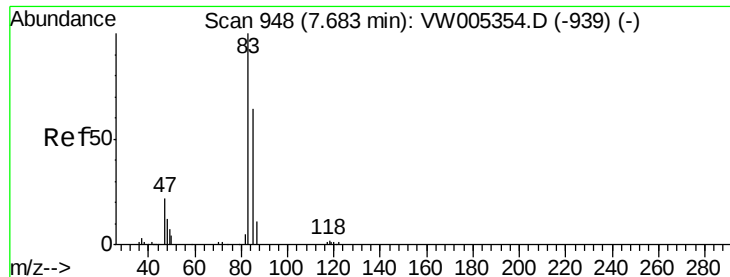


#23

Bromochloromethane
 Concen: 24.599 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.3	118.2	219.6
130	128.5	92.8	172.4
51	56.4	43.1	64.7





#25

Chloroform

Concen: 25.171 ug/L

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

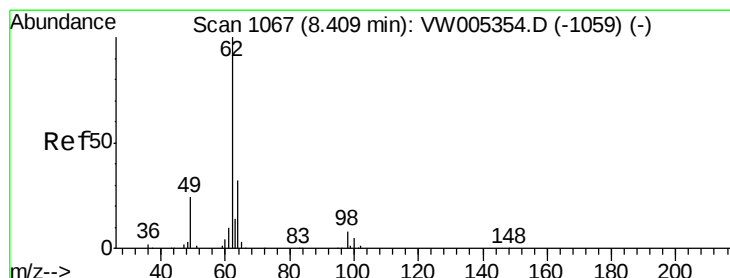
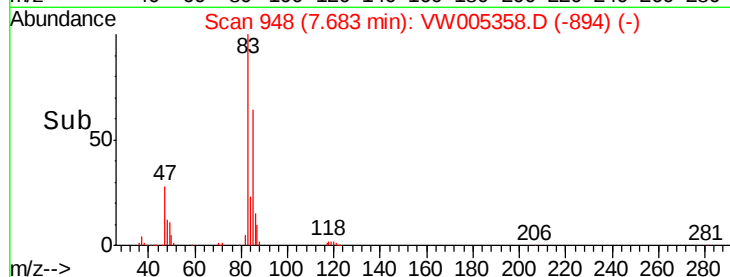
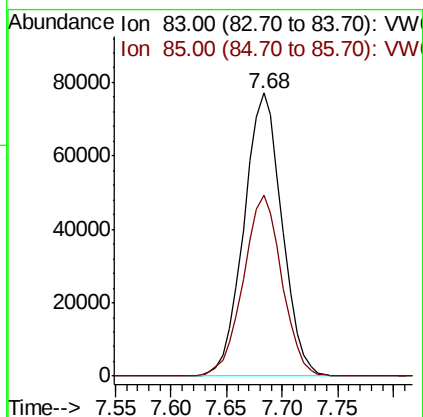
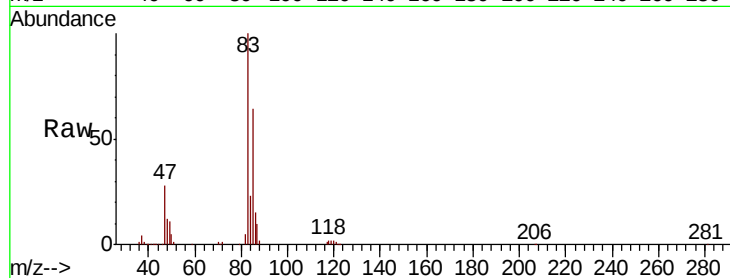
VICV86

Tgt Ion: 83 Resp: 183555

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.8



#27

1,2-Dichloroethane

Concen: 24.538 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VW005358.D

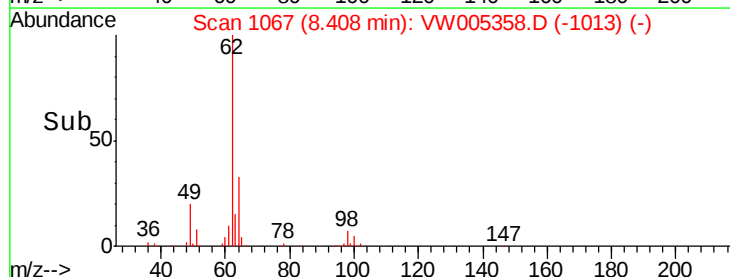
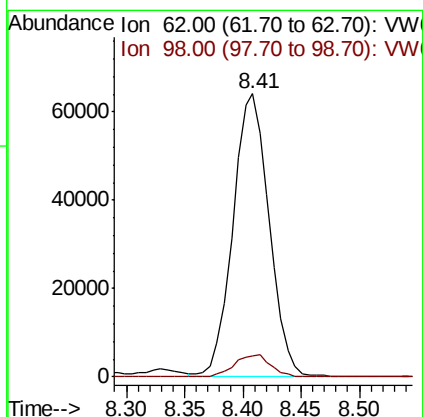
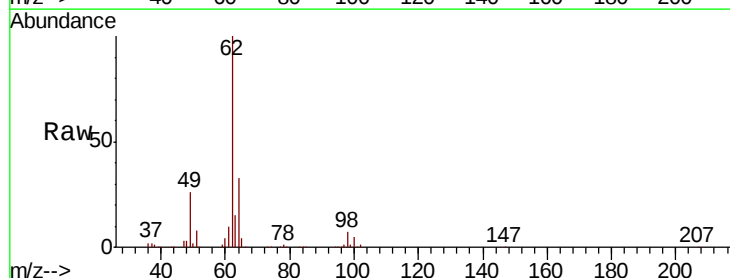
Acq: 13 Sep 2018 18:25

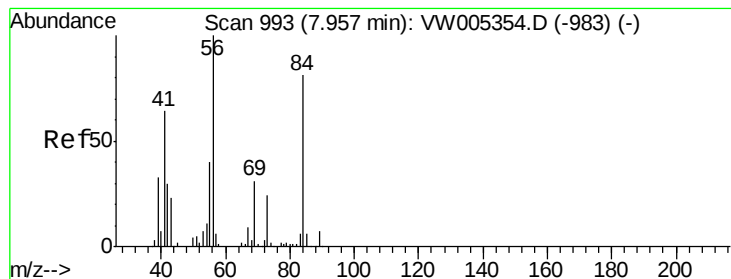
Tgt Ion: 62 Resp: 138900

Ion Ratio Lower Upper

62 100

98 7.2 6.0 9.0





#30

Cyclohexane

Concen: 24.191 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

VICV86

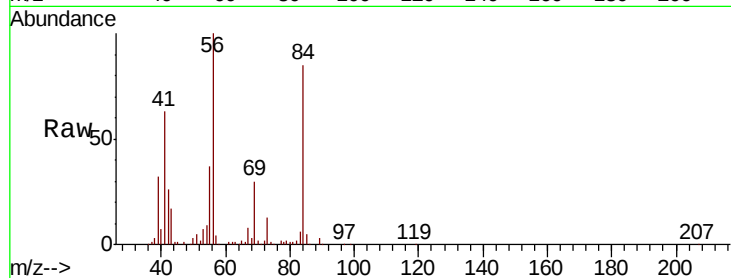
Tgt Ion: 56 Resp: 166881

Ion Ratio Lower Upper

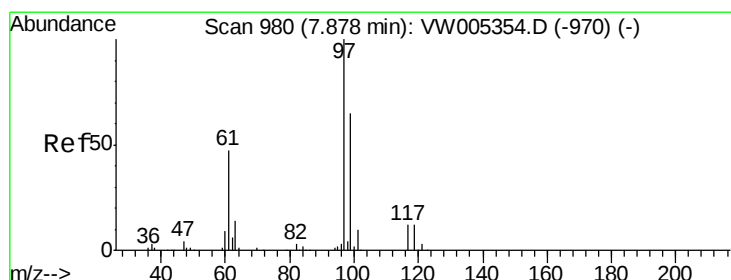
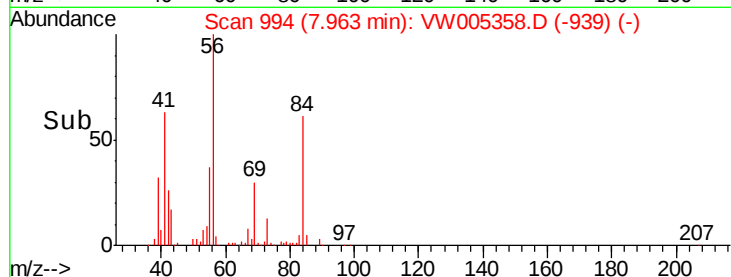
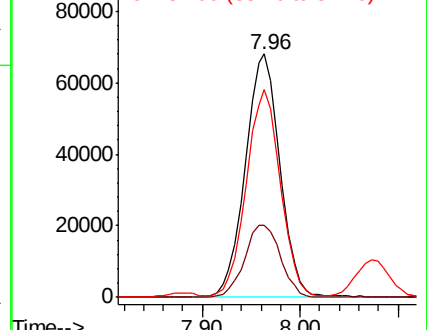
56 100

69 30.7 24.7 37.1

84 84.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.049 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

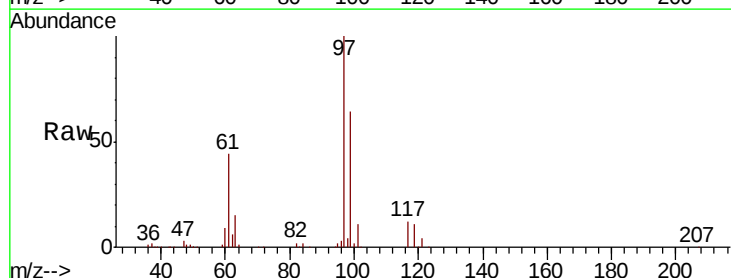
Tgt Ion: 97 Resp: 173994

Ion Ratio Lower Upper

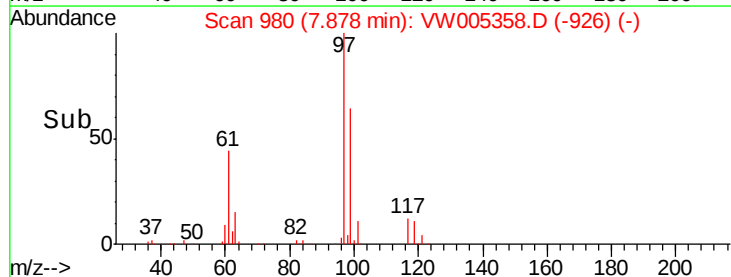
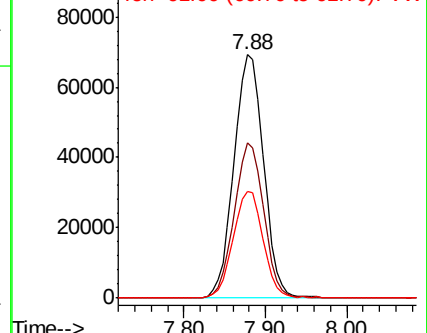
97 100

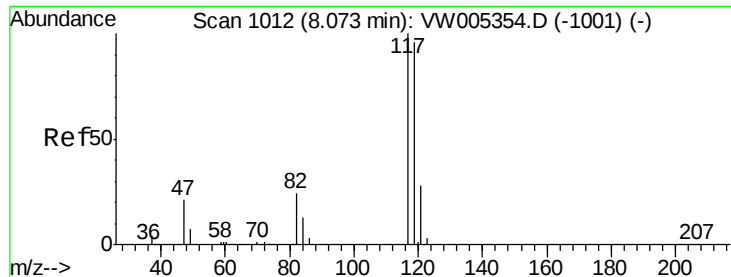
99 63.2 51.4 77.0

61 44.1 37.0 55.6



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





#32

Carbon tetrachloride

Concen: 24.126 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

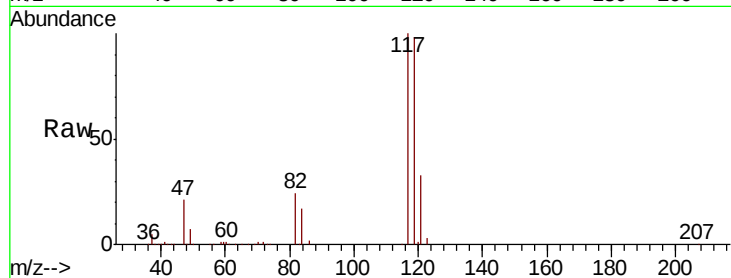
VICV86

Tgt Ion:117 Resp: 155473

Ion Ratio Lower Upper

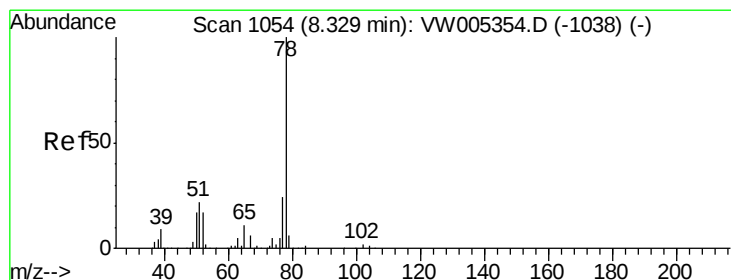
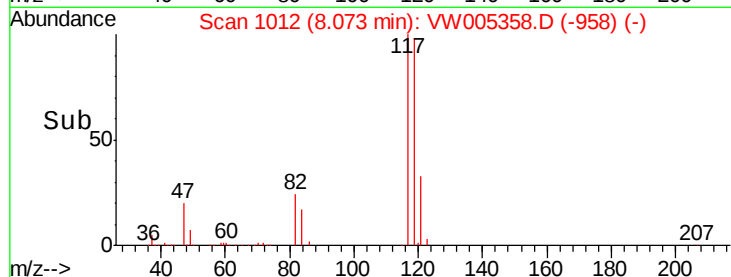
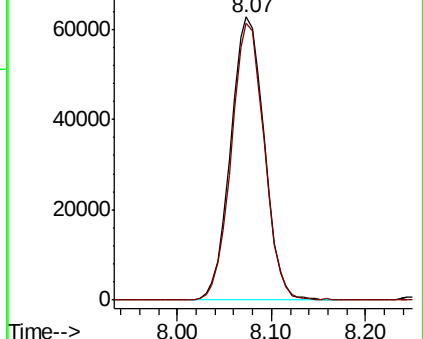
117 100

119 95.9 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: 24.898 ug/L

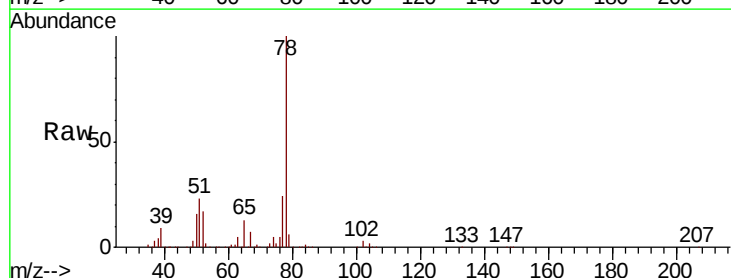
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

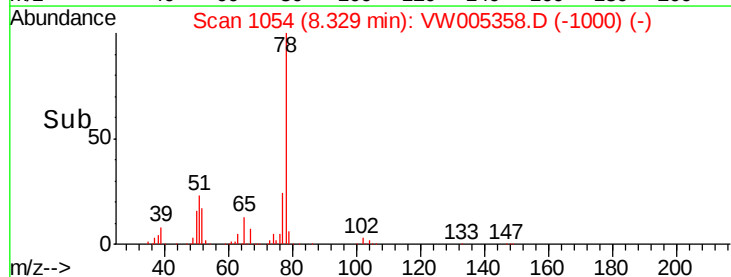
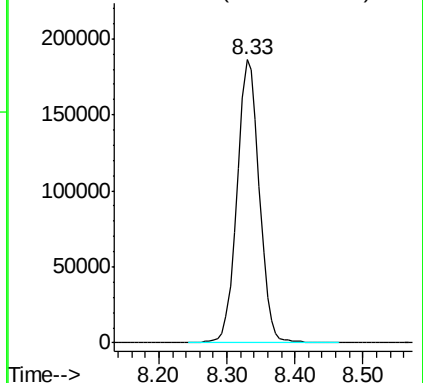
Lab File: VW005358.D

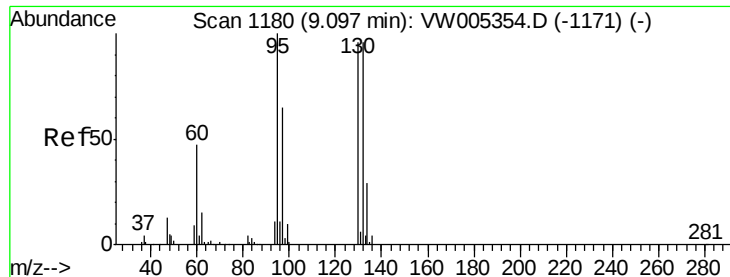
Acq: 13 Sep 2018 18:25

Tgt Ion: 78 Resp: 423776



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.273 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

VICV86

Tgt Ion: 95 Resp: 109657

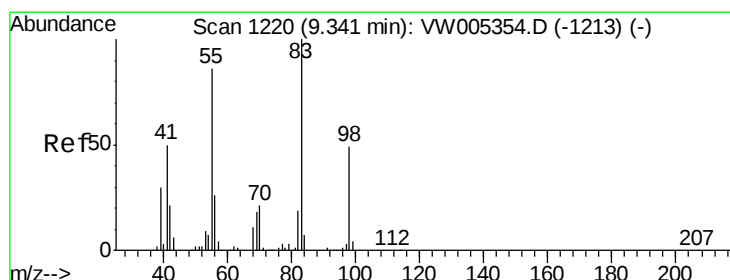
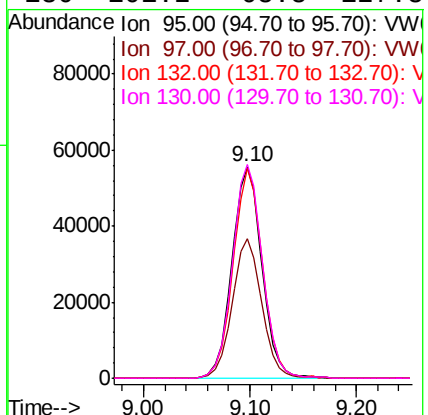
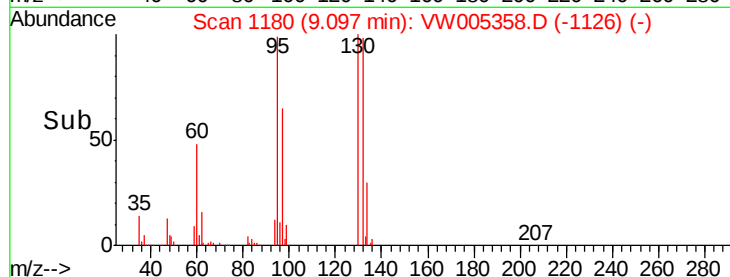
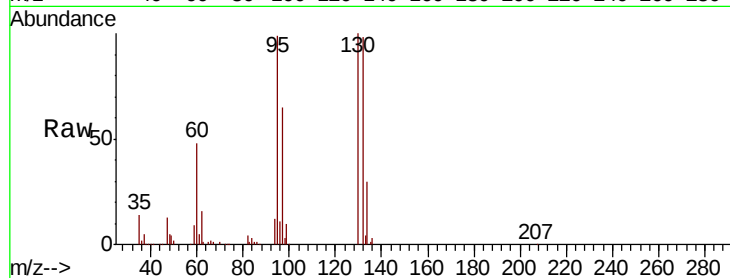
Ion Ratio Lower Upper

95 100

97 65.0 45.0 83.6

132 97.6 67.2 124.8

130 101.2 68.8 127.8



#36

Methylcyclohexane

Concen: 24.652 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

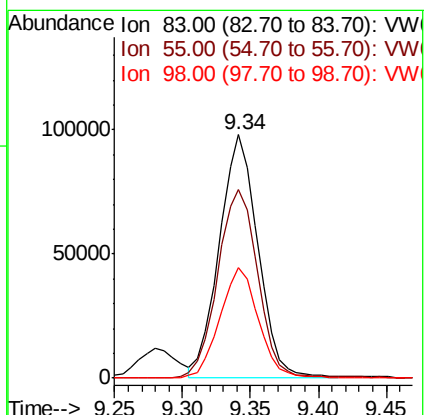
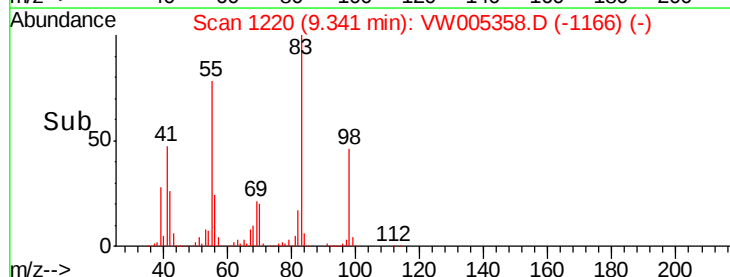
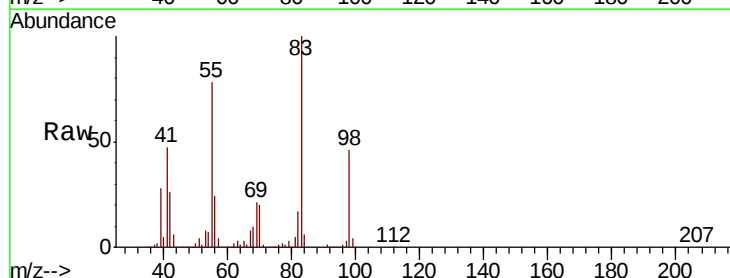
Tgt Ion: 83 Resp: 193301

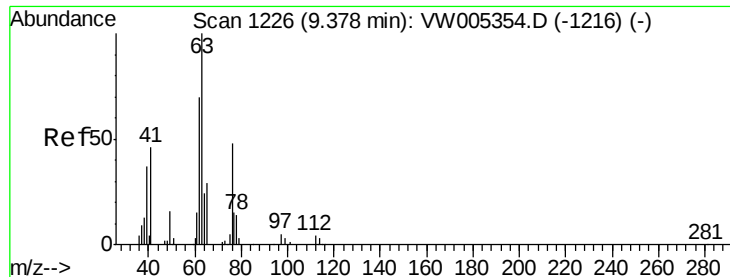
Ion Ratio Lower Upper

83 100

55 80.6 66.4 99.6

98 45.0 37.3 55.9





#40

1,2-Dichloropropane

Concen: 23.859 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

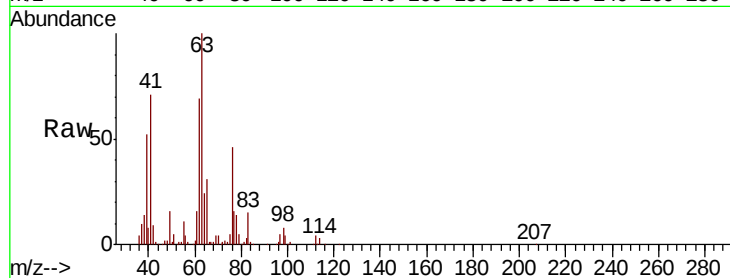
VICV86

Tgt Ion: 63 Resp: 100252

Ion Ratio Lower Upper

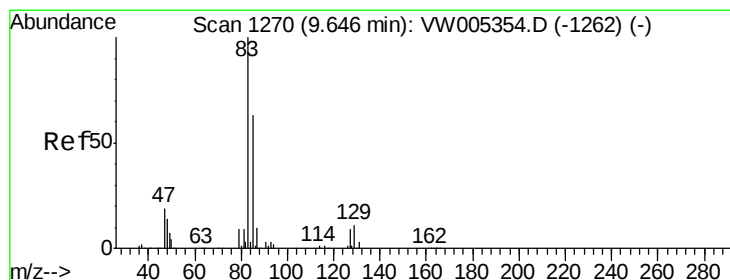
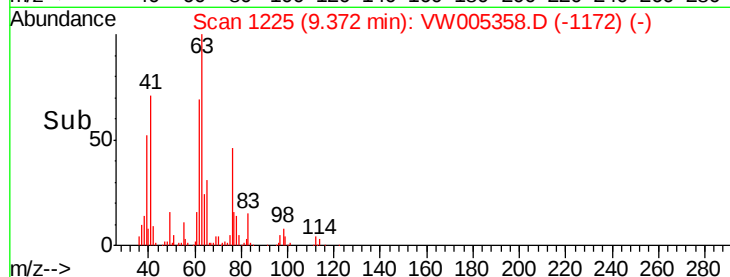
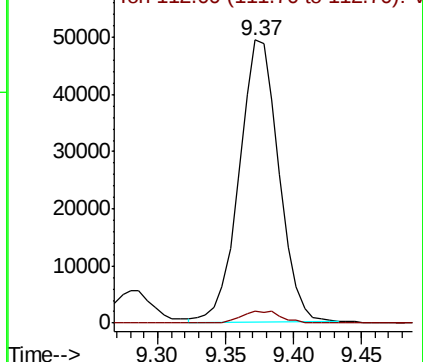
63 100

112 4.5 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: 24.944 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

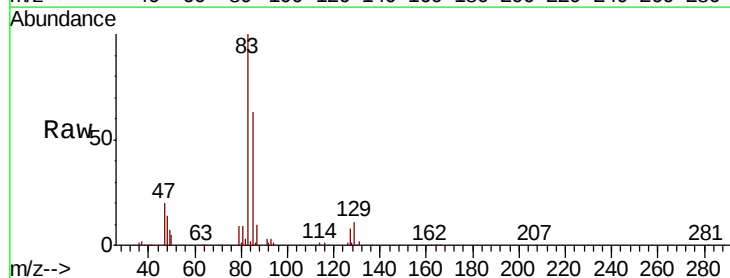
Tgt Ion: 83 Resp: 134359

Ion Ratio Lower Upper

83 100

85 63.2 44.0 81.6

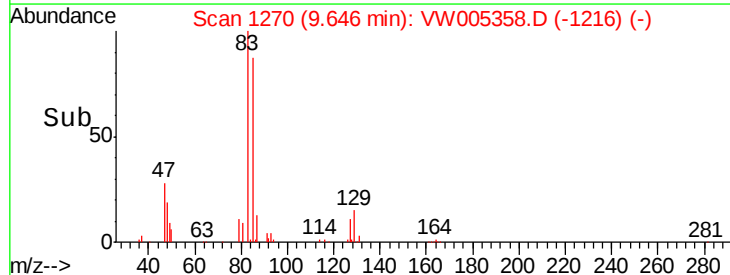
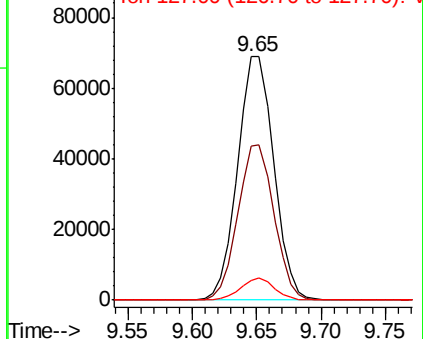
127 7.9 7.5 11.3

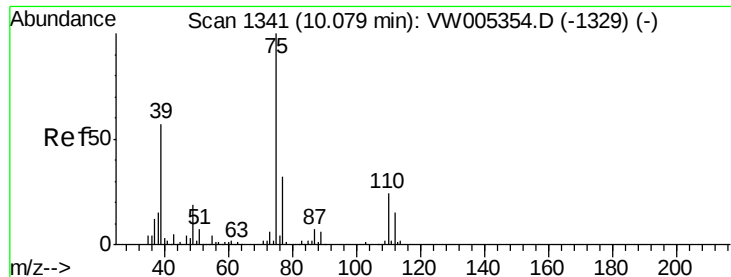


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.940 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

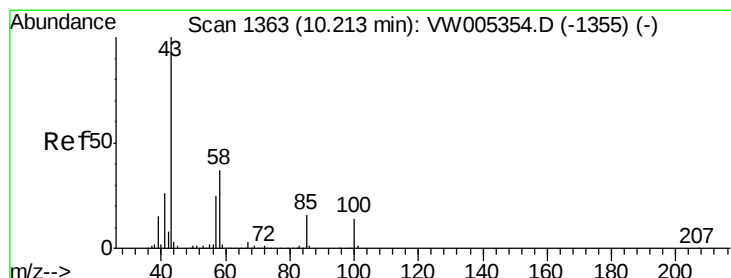
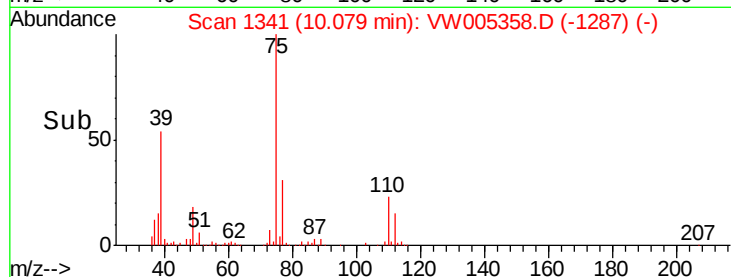
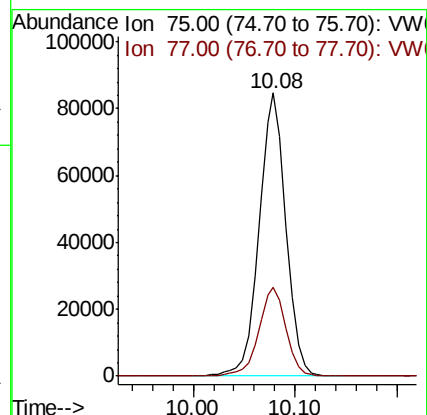
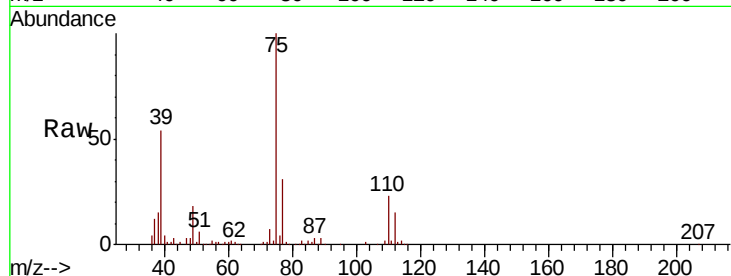
VICV86

Tgt Ion: 75 Resp: 154791

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 40.194 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

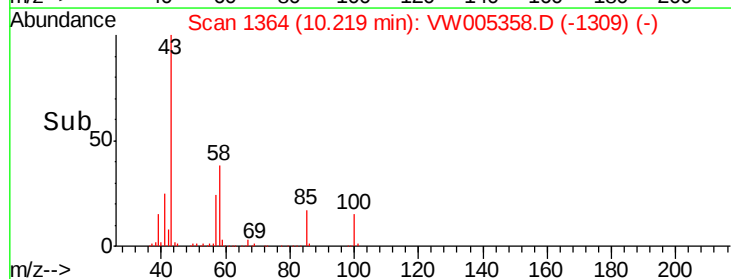
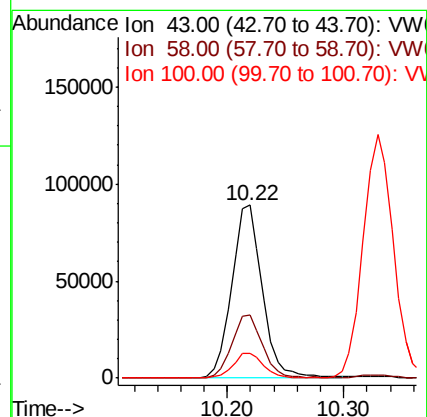
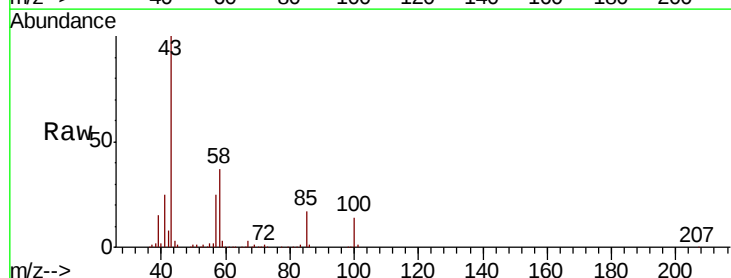
Tgt Ion: 43 Resp: 161473

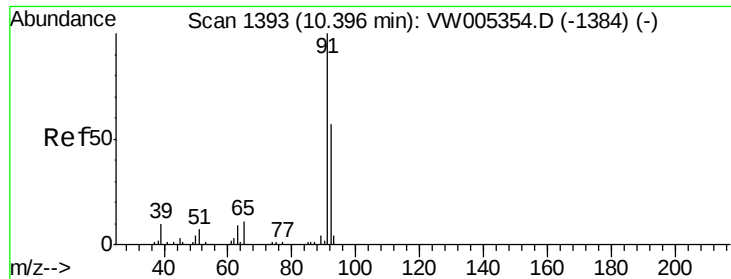
Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.8

100 14.3 11.4 17.0





#44

Toluene

Concen: 25.567 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

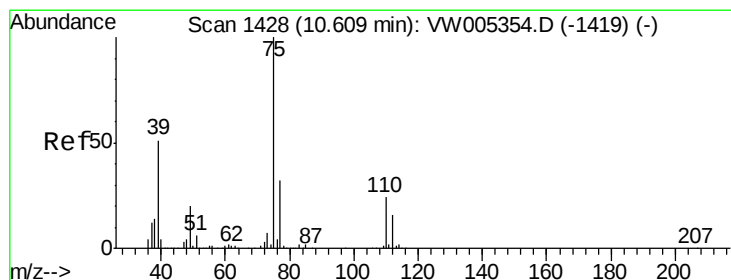
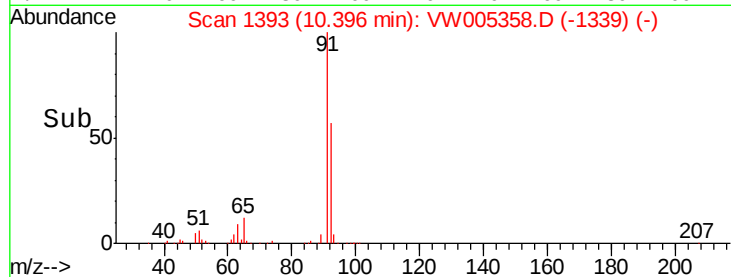
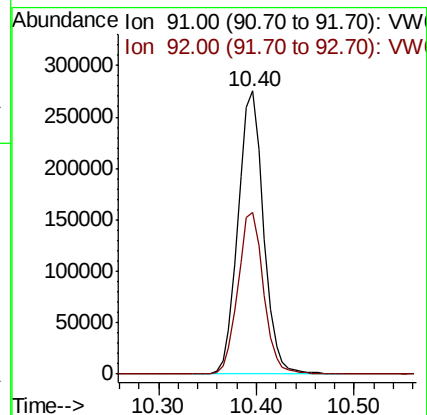
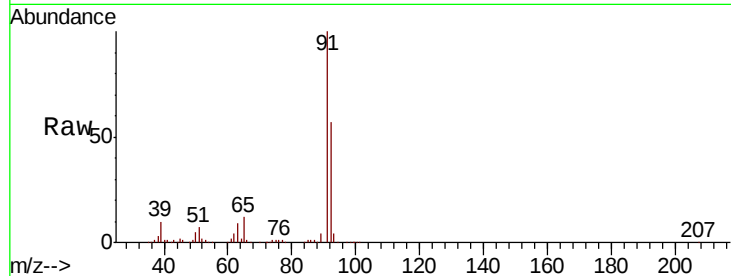
VICV86

Tgt Ion: 91 Resp: 498615

Ion Ratio Lower Upper

91 100

92 57.0 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 24.554 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005358.D

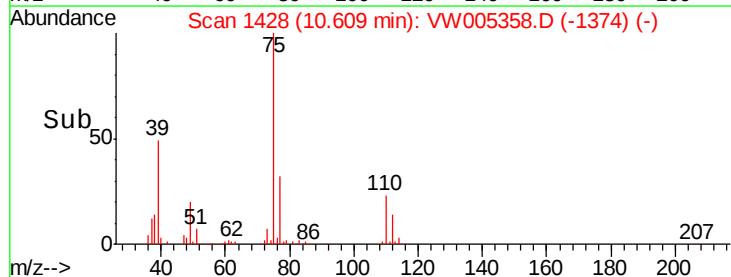
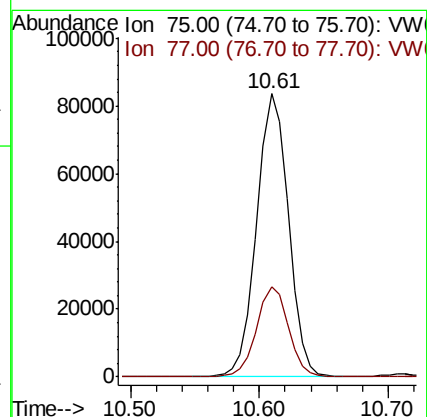
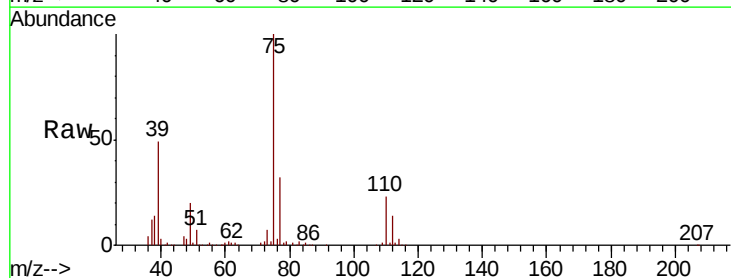
Acq: 13 Sep 2018 18:25

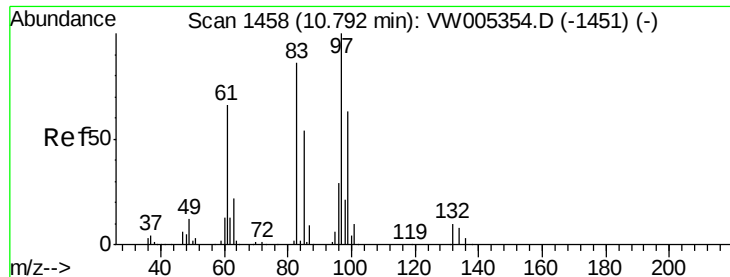
Tgt Ion: 75 Resp: 142782

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

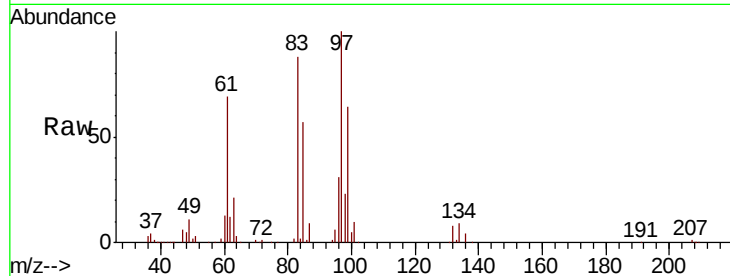




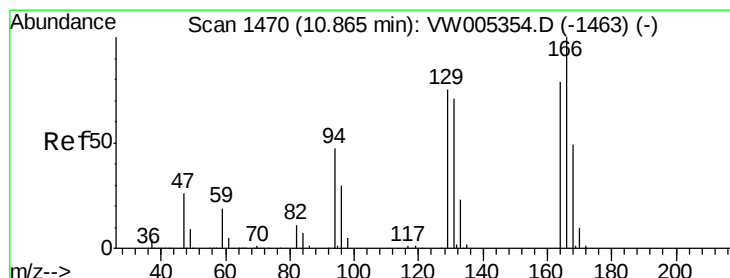
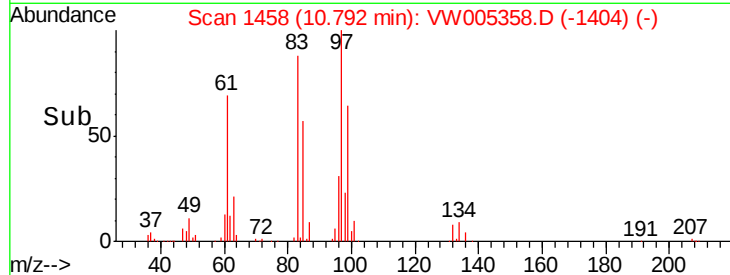
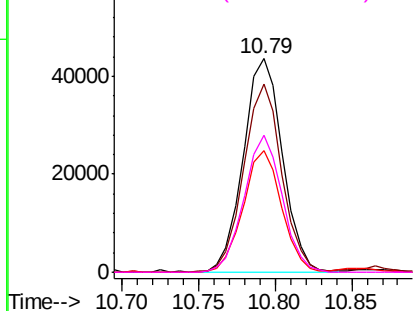
#46
 1,1,2-Trichloroethane
 Concen: 23.582 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

Tgt Ion: 97 Resp: 77781
 Ion Ratio Lower Upper
 97 100
 83 88.1 60.2 111.8
 85 57.2 37.9 70.5
 99 64.2 44.5 82.7

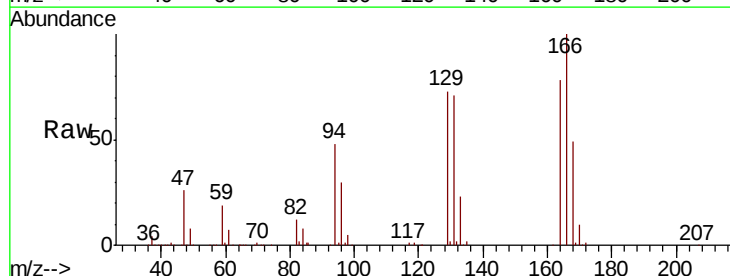


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

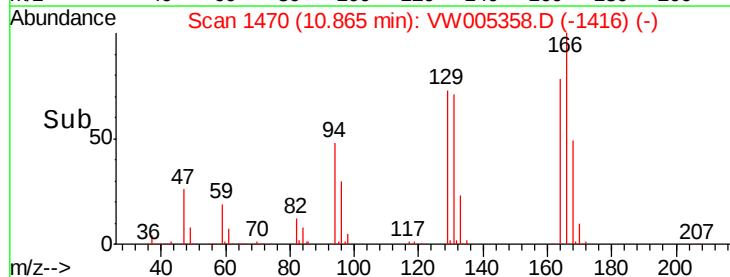
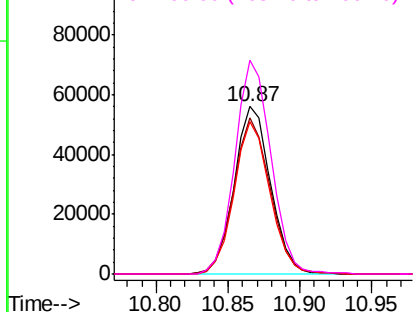


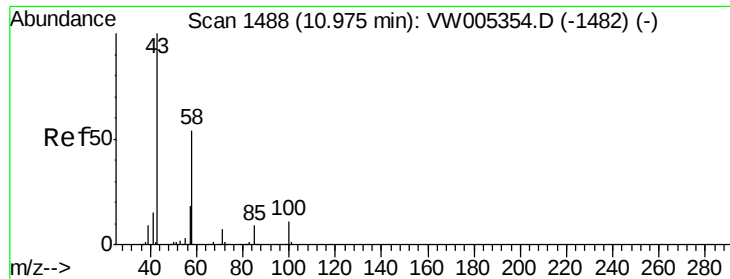
#47
 Tetrachloroethene
 Concen: 24.078 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Tgt Ion: 164 Resp: 98487
 Ion Ratio Lower Upper
 164 100
 129 93.4 66.2 123.0
 131 91.0 63.6 118.0
 166 127.6 88.9 165.1



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: 38.527 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

VICV86

Tgt Ion: 43 Resp: 113785

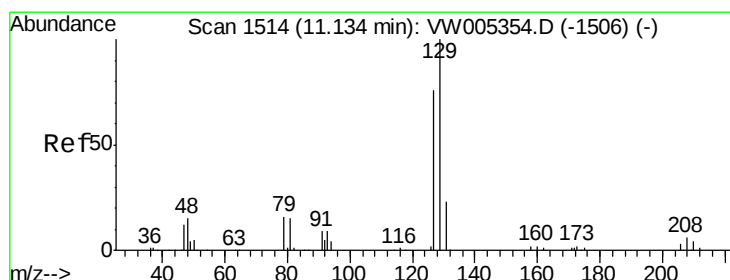
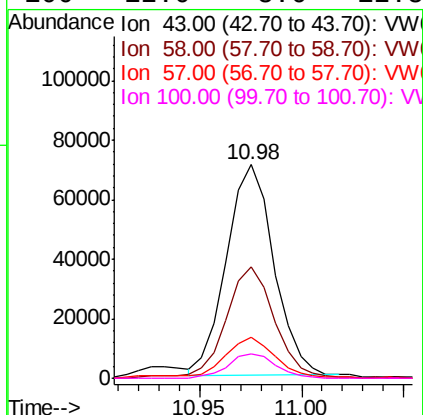
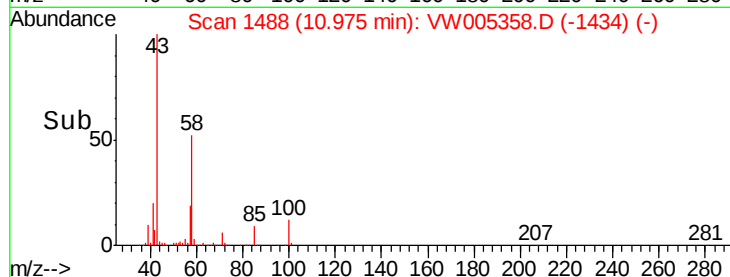
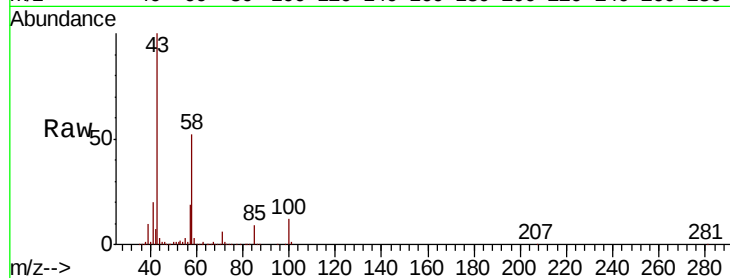
Ion Ratio Lower Upper

43 100

58 55.0 41.6 62.4

57 20.4 15.0 22.6

100 12.0 8.6 12.8



#50

Dibromochloromethane

Concen: 24.168 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW005358.D

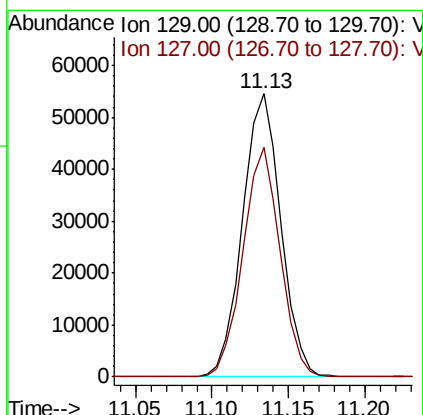
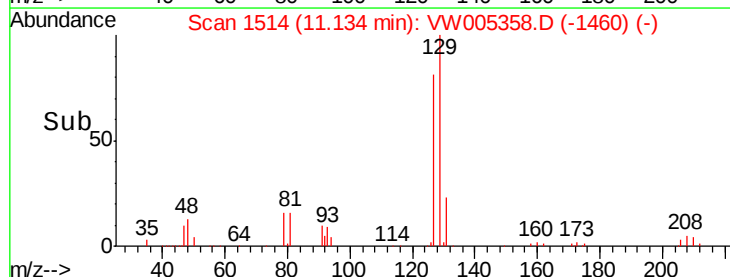
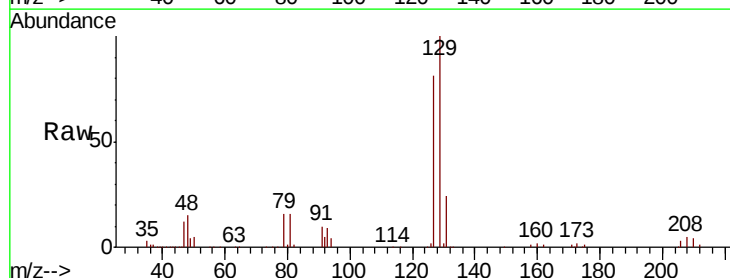
Acq: 13 Sep 2018 18:25

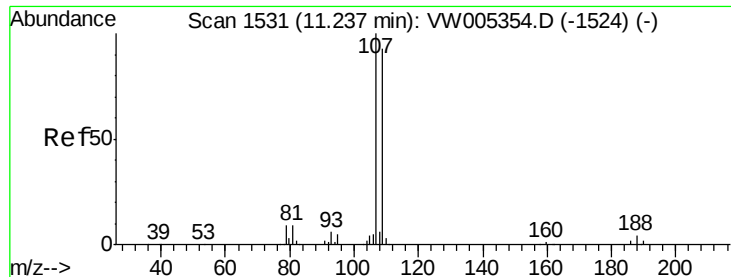
Tgt Ion: 129 Resp: 95228

Ion Ratio Lower Upper

129 100

127 81.2 53.1 98.5

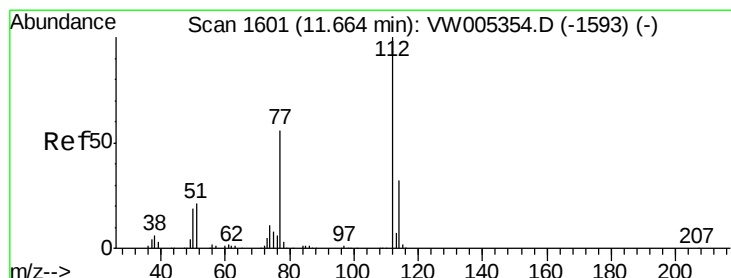
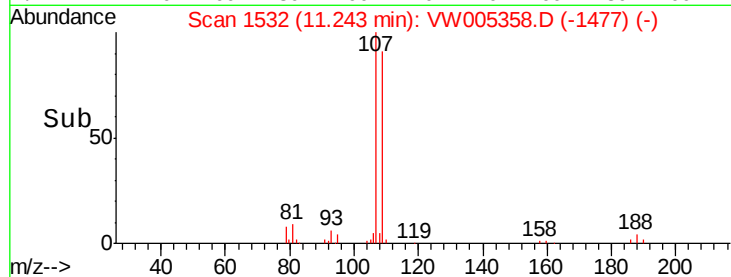
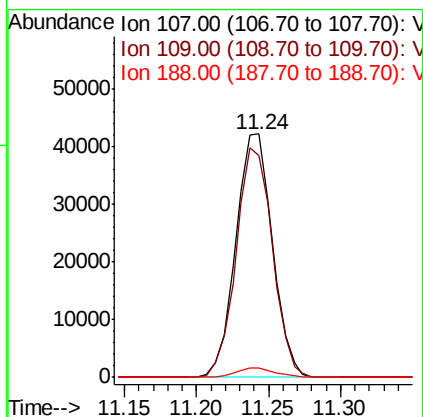
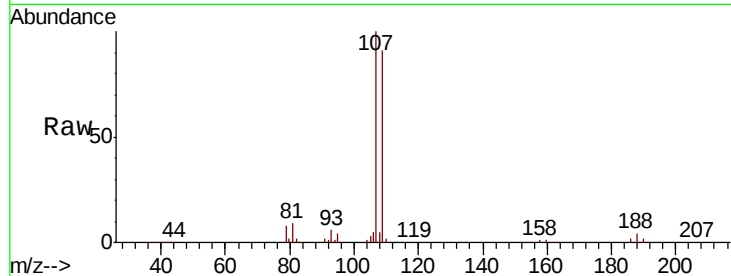




#51
 1,2-Dibromoethane
 Concen: 23.085 ug/L
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

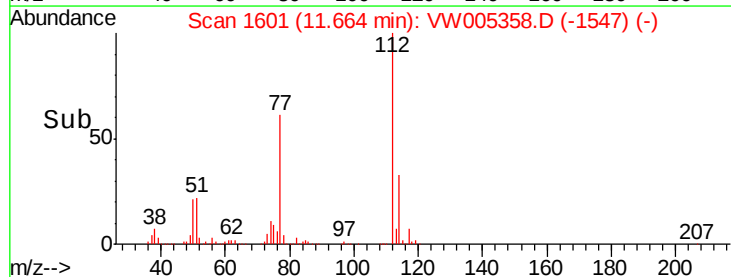
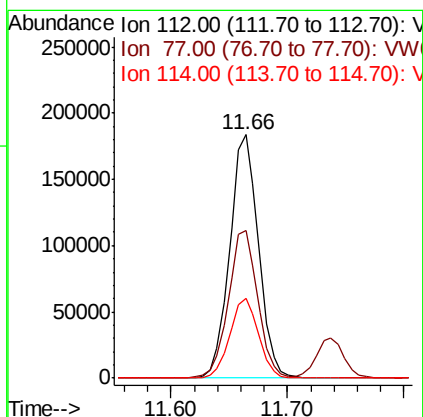
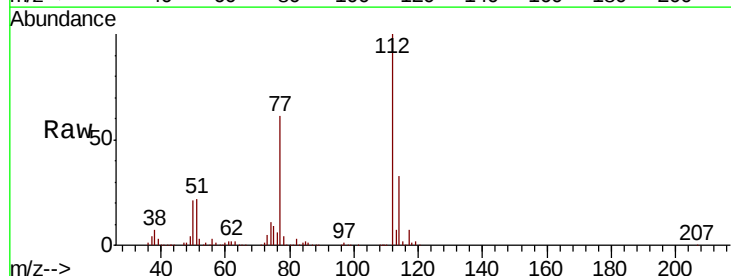
Instrument :
 MSVOA_W
 ClientSampled :
 VICV86

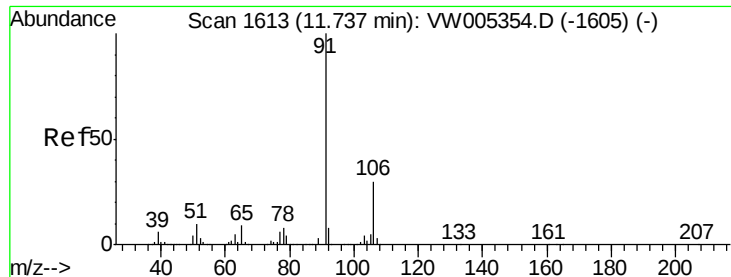
Tgt Ion:107 Resp: 74732
 Ion Ratio Lower Upper
 107 100
 109 91.4 64.9 120.5
 188 3.9 3.1 4.7



#52
 Chlorobenzene
 Concen: 24.751 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Tgt Ion:112 Resp: 314986
 Ion Ratio Lower Upper
 112 100
 77 60.8 45.1 67.7
 114 32.8 22.5 41.7





#53

Ethylbenzene

Concen: 25.232 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

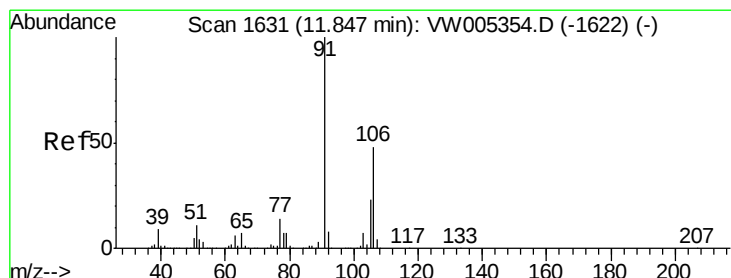
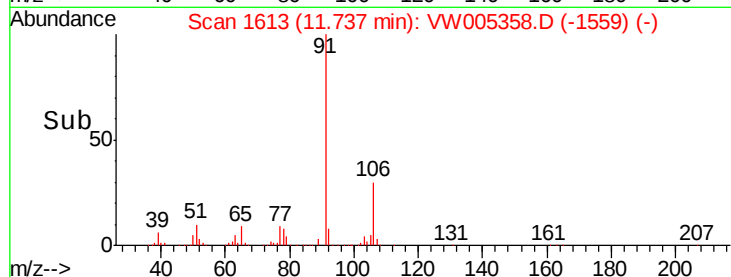
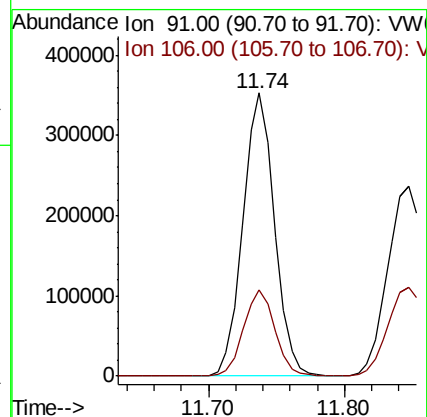
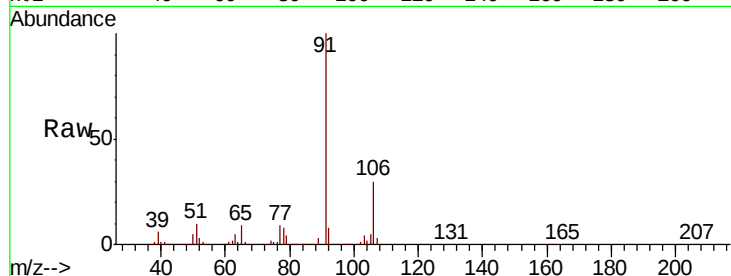
VICV86

Tgt Ion: 91 Resp: 572328

Ion Ratio Lower Upper

91 100

106 30.3 20.8 38.6



#54

m,p-Xylene

Concen: 25.383 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW005358.D

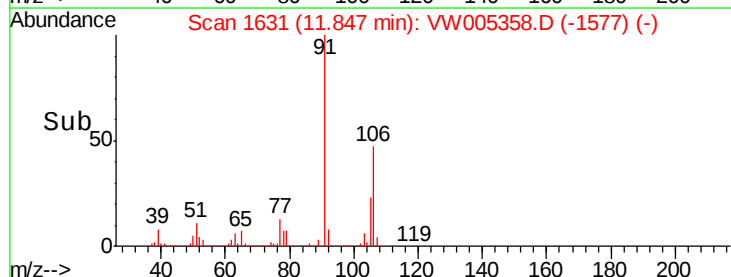
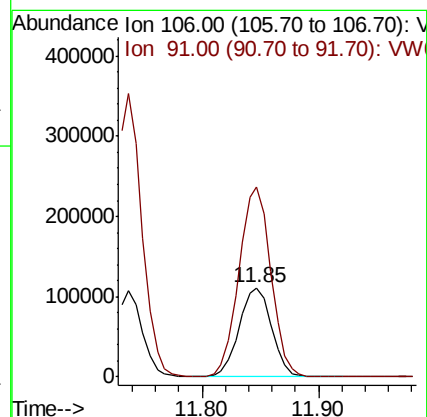
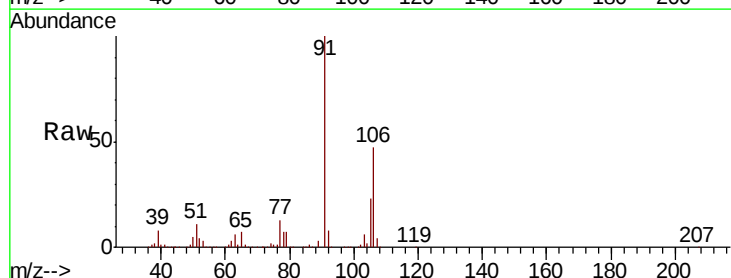
Acq: 13 Sep 2018 18:25

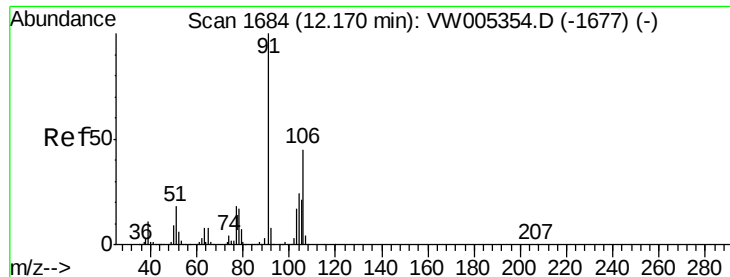
Tgt Ion: 106 Resp: 215567

Ion Ratio Lower Upper

106 100

91 213.3 146.4 271.8

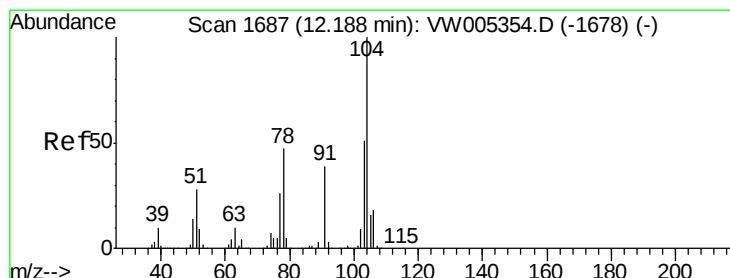
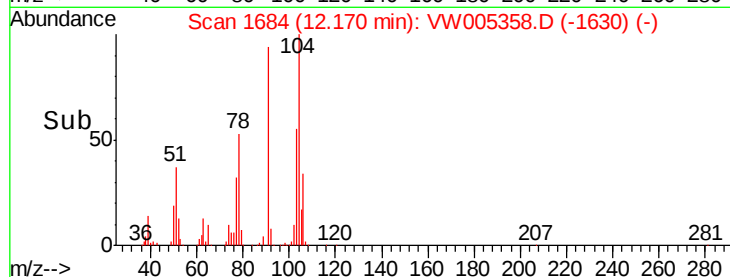
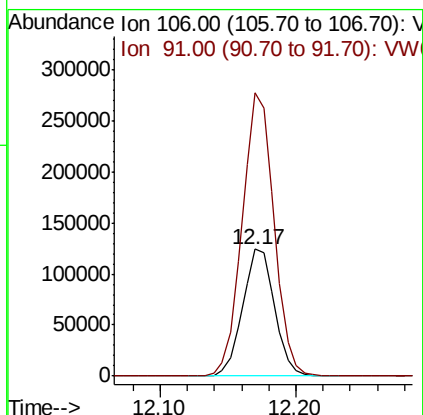
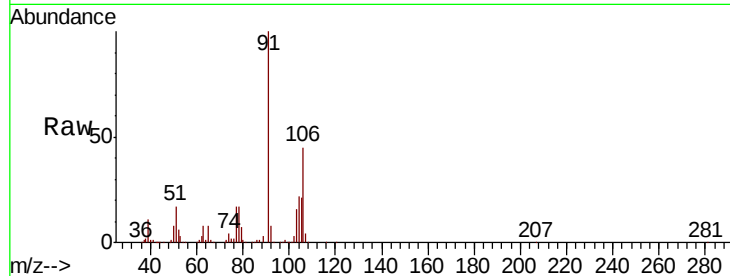




#55
o-xylene
Concen: 25.616 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005358.D
Acq: 13 Sep 2018 18:25

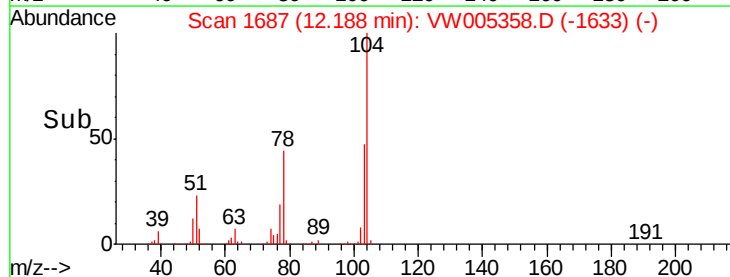
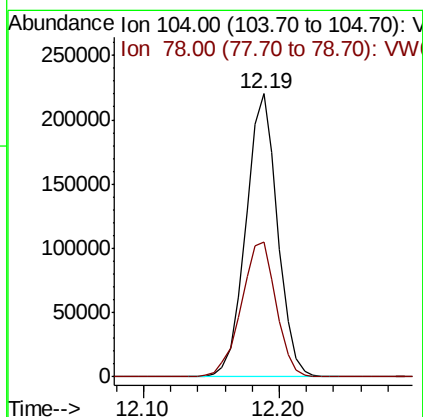
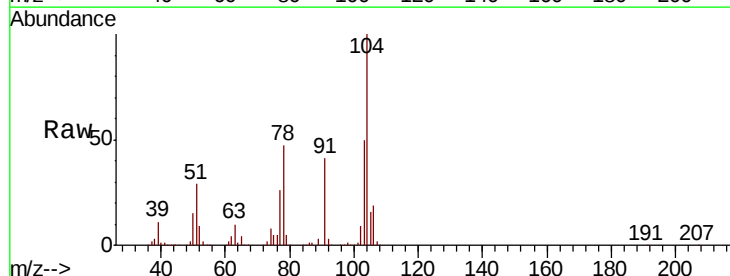
Instrument :
MSVOA_W
ClientSampled :
VICV86

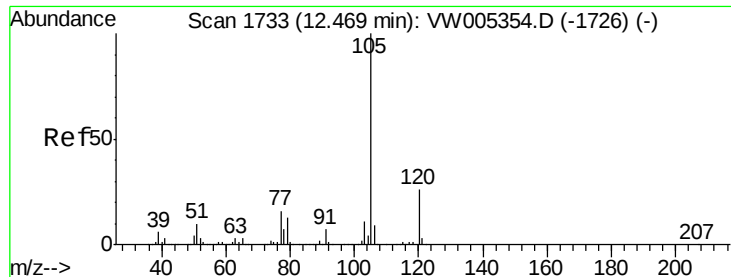
Tgt Ion:106 Resp: 204291
Ion Ratio Lower Upper
106 100
91 223.1 155.1 288.1



#56
Styrene
Concen: 26.044 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005358.D
Acq: 13 Sep 2018 18:25

Tgt Ion:104 Resp: 358500
Ion Ratio Lower Upper
104 100
78 47.4 32.8 60.8





#57

Isopropylbenzene

Concen: 25.448 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

VICV86

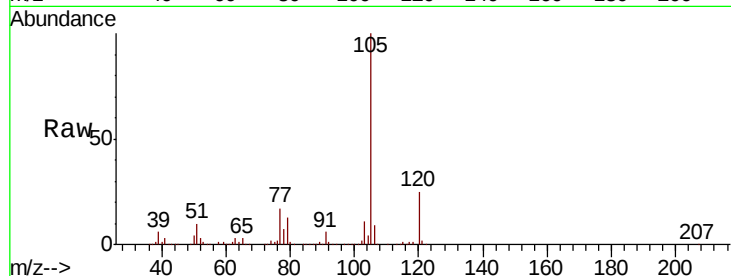
Tgt Ion: 105 Resp: 563742

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

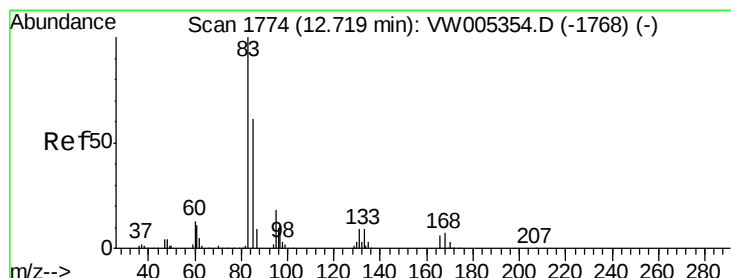
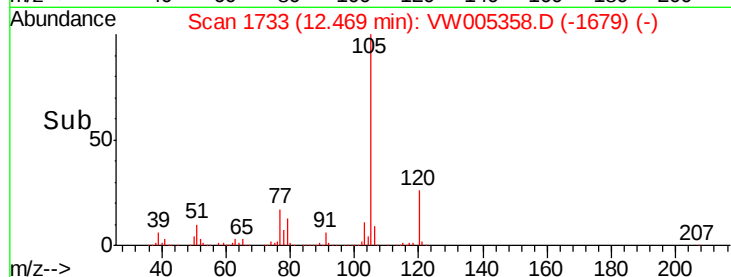
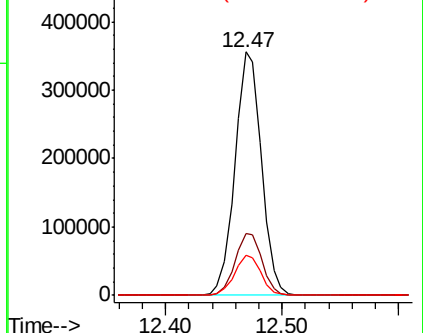
77 16.4 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.890 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

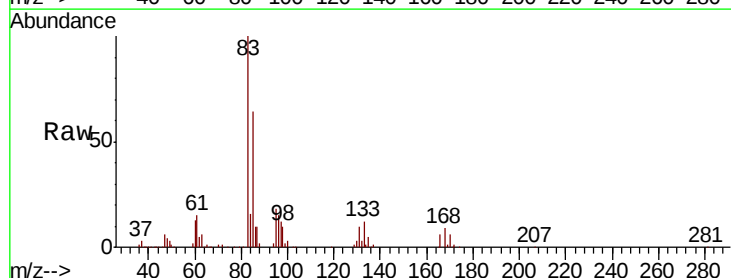
Tgt Ion: 83 Resp: 99273

Ion Ratio Lower Upper

83 100

85 64.0 43.2 80.2

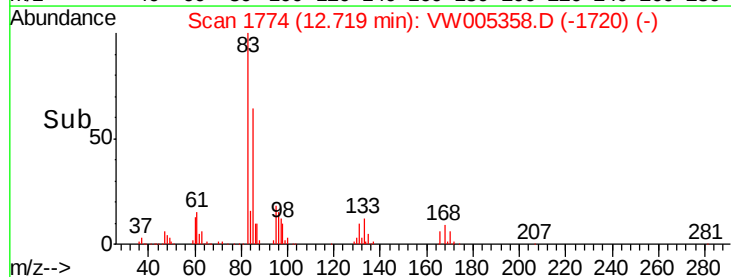
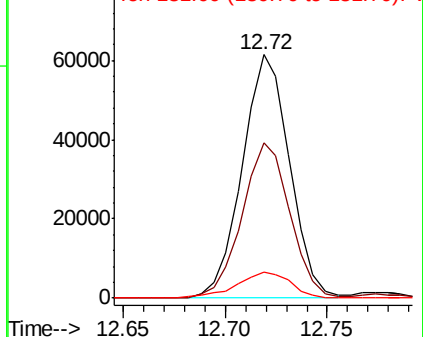
131 10.4 7.9 11.9

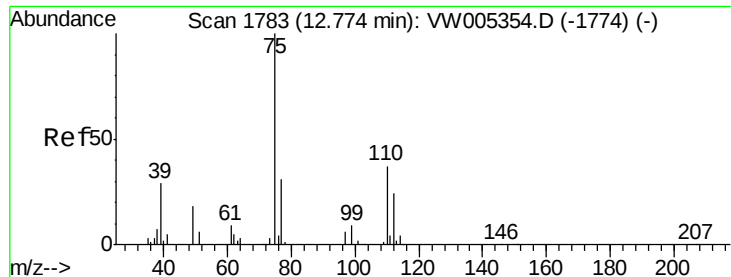


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.239 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

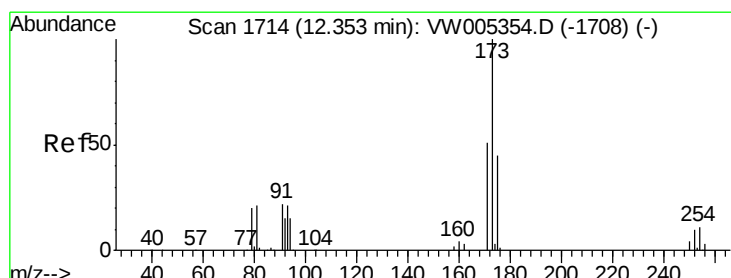
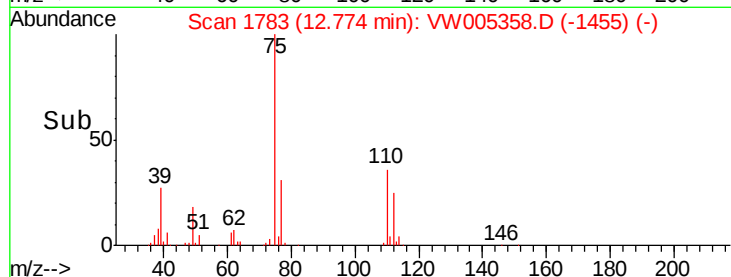
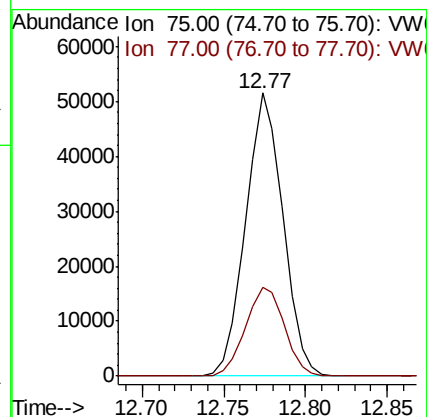
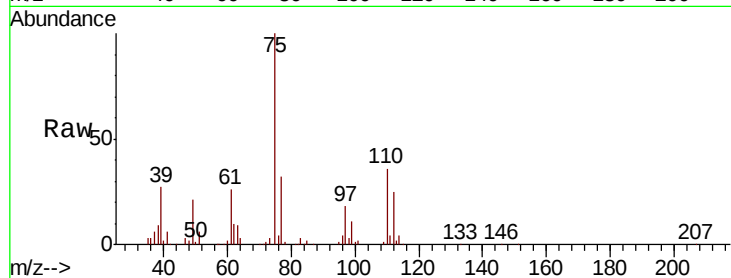
VICV86

Tgt Ion: 75 Resp: 82323

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



#62

Bromoform

Concen: 23.015 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

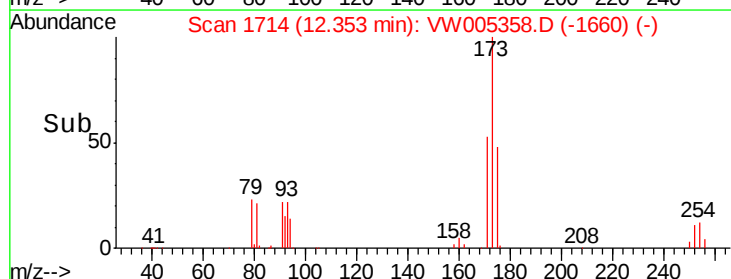
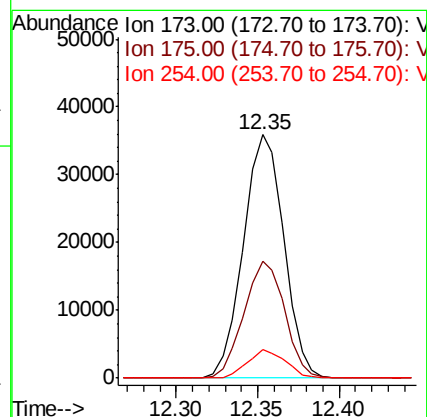
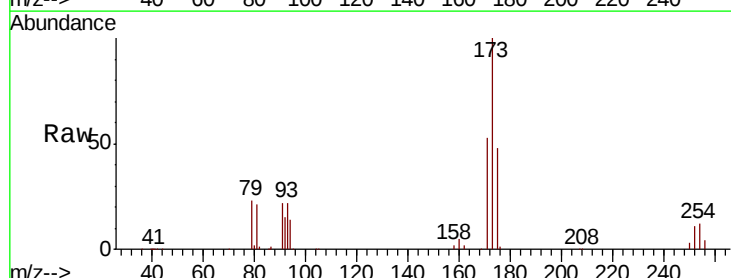
Tgt Ion: 173 Resp: 62209

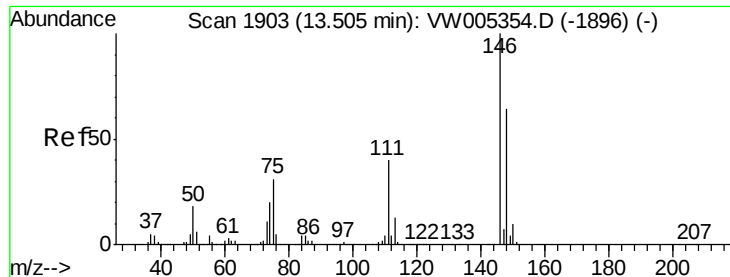
Ion Ratio Lower Upper

173 100

175 48.4 37.8 56.8

254 11.0 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 24.867 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampleId :

VICV86

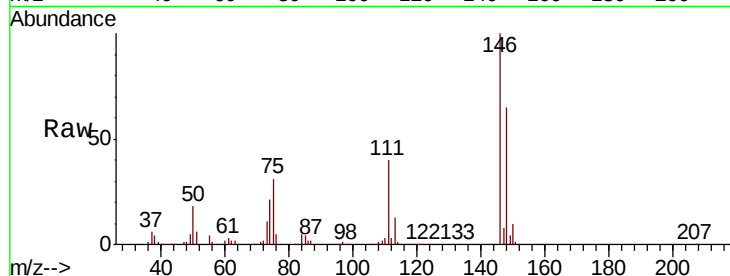
Tgt Ion:146 Resp: 255071

Ion Ratio Lower Upper

146 100

111 40.3 28.1 52.3

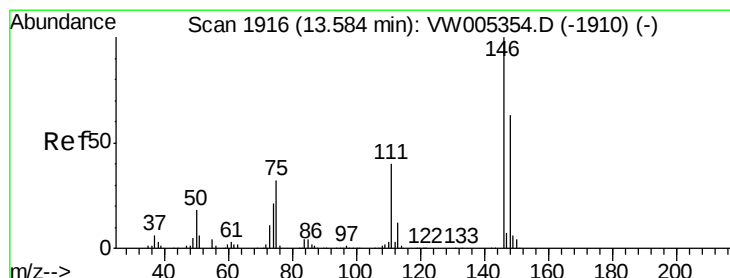
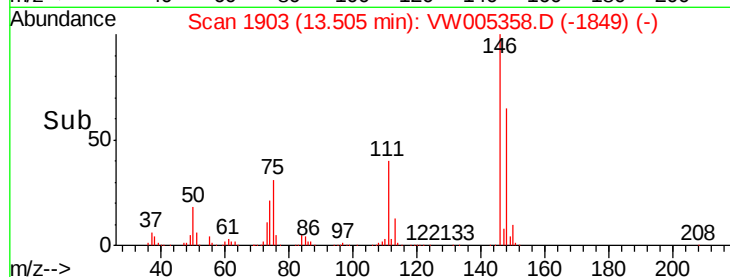
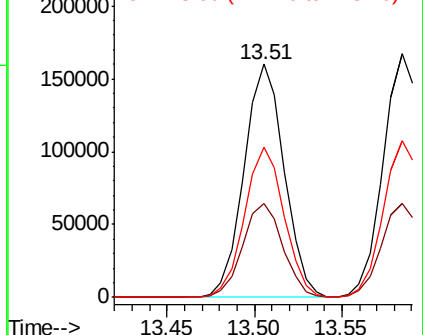
148 64.7 44.7 83.1



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



#64

1,4-Dichlorobenzene

Concen: 24.869 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

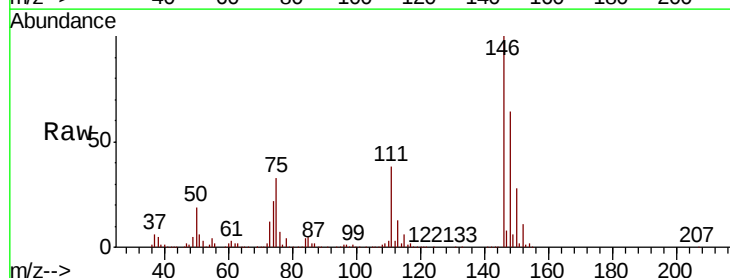
Tgt Ion:146 Resp: 263273

Ion Ratio Lower Upper

146 100

111 38.4 27.9 51.9

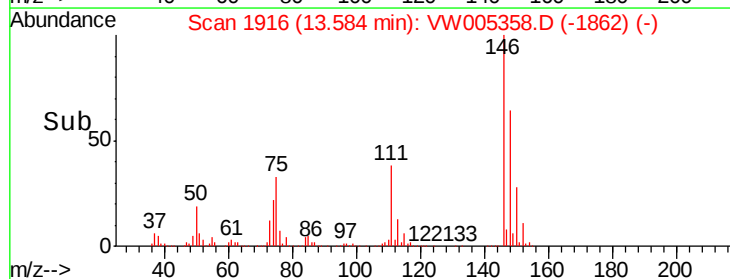
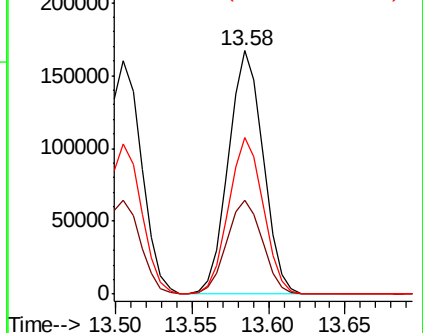
148 64.4 44.3 82.3

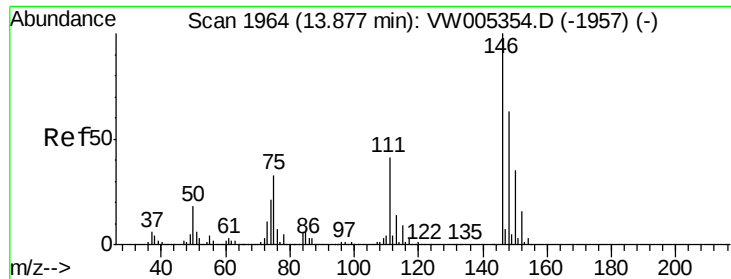


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

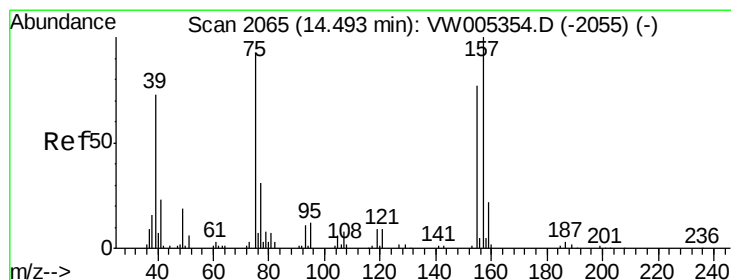
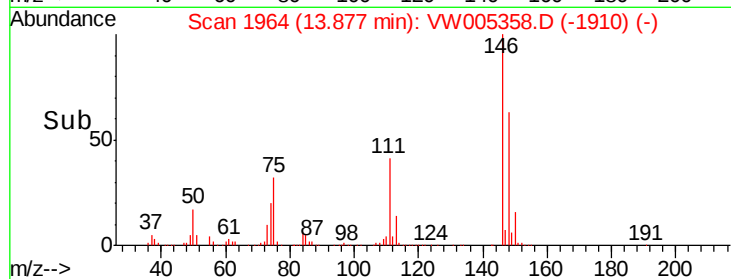
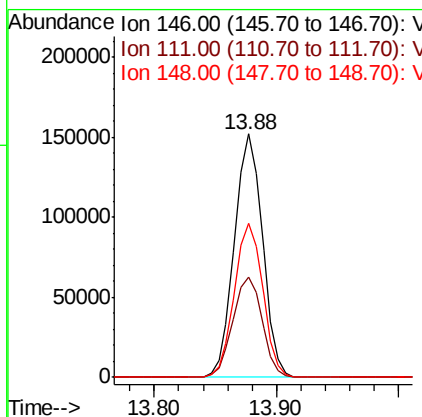
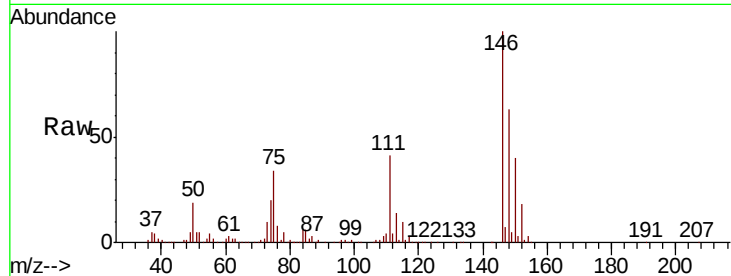




#65
 1,2-Dichlorobenzene
 Concen: 24.673 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

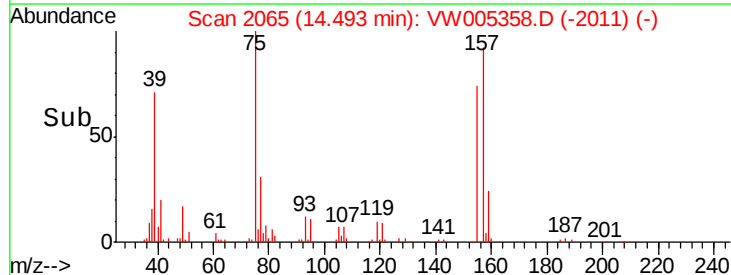
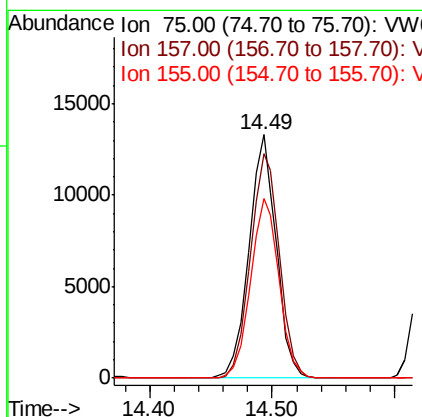
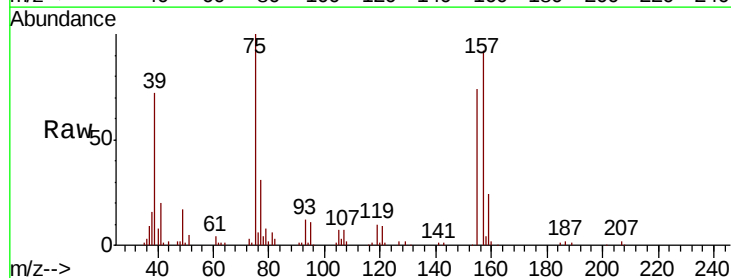
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

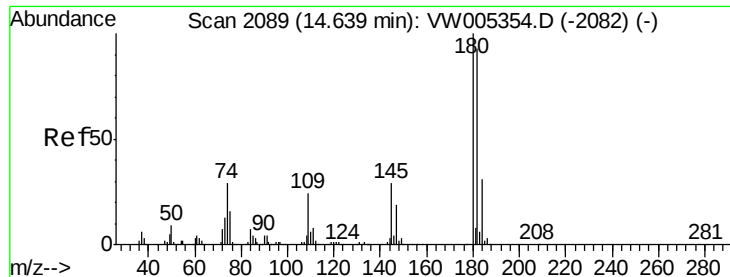
Tgt Ion: 146 Resp: 242286
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.9 49.3
 148 63.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.319 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Tgt Ion: 75 Resp: 20585
 Ion Ratio Lower Upper
 75 100
 157 91.9 86.3 129.5
 155 73.9 66.6 100.0

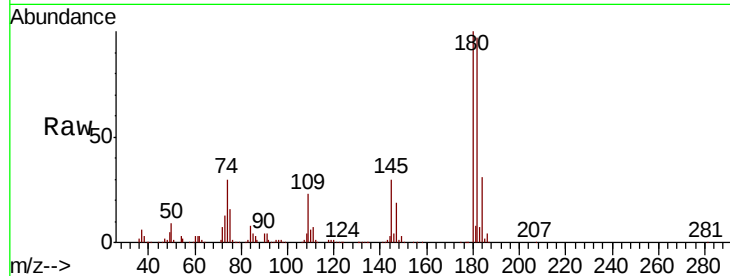




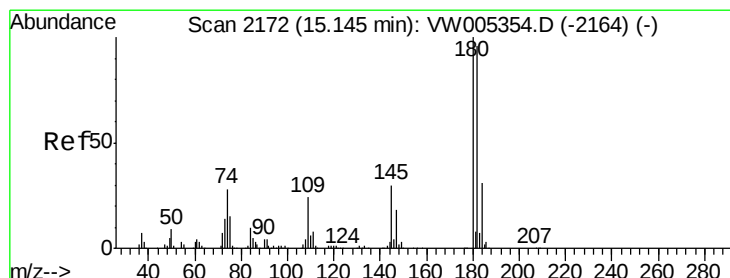
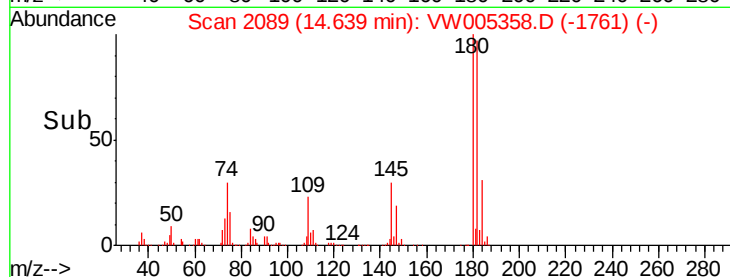
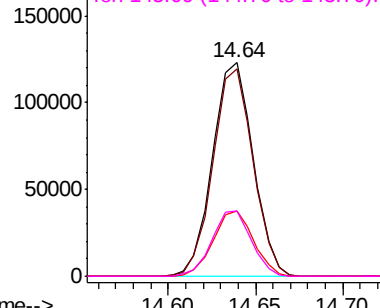
#67
 1,3,5-Trichlorobenzene
 Concen: 24.495 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

Tgt Ion:	180	Resp:	198945
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.7	113.5
184	30.4	24.0	36.0
145	29.7	23.8	35.6

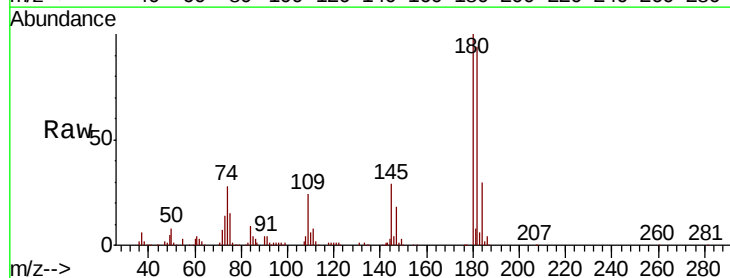


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

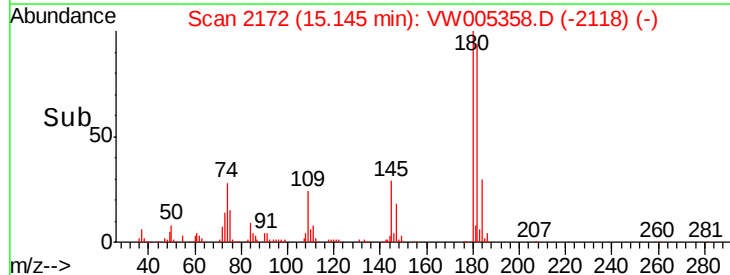
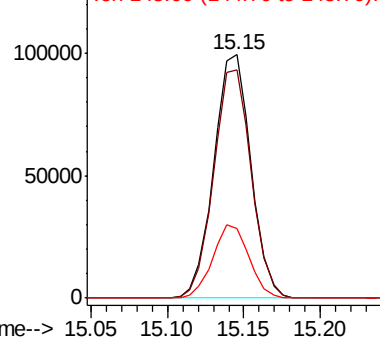


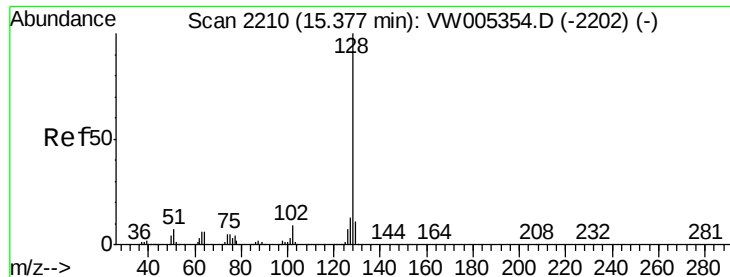
#68
 1,2,4-trichlorobenzene
 Concen: 24.904 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005358.D
 Acq: 13 Sep 2018 18:25

Tgt Ion:	180	Resp:	167179
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	115.0
145	29.7	24.2	36.4



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





#69

Naphthalene

Concen: 23.201 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

Instrument :

MSVOA_W

ClientSampled :

VICV86

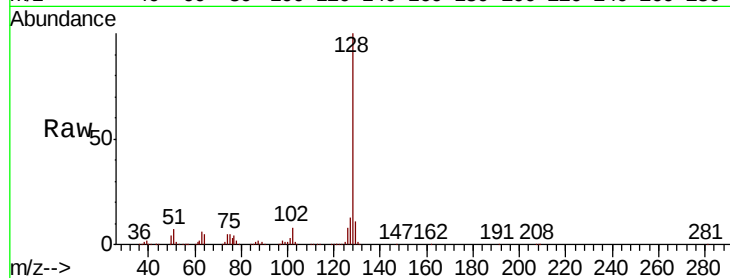
Tgt Ion:128 Resp: 341233

Ion Ratio Lower Upper

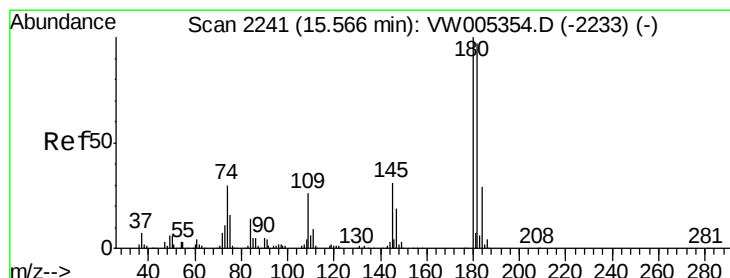
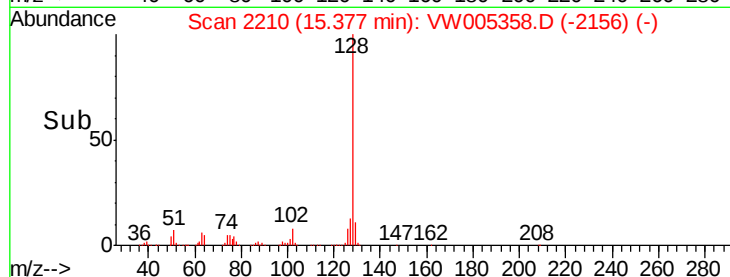
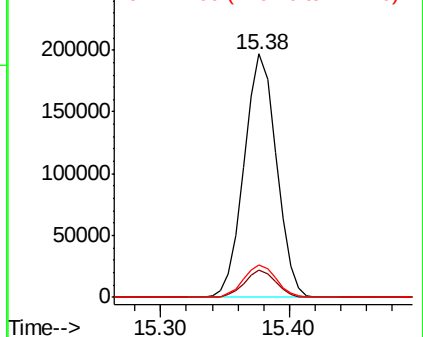
128 100

129 10.8 8.8 13.2

127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.999 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005358.D

Acq: 13 Sep 2018 18:25

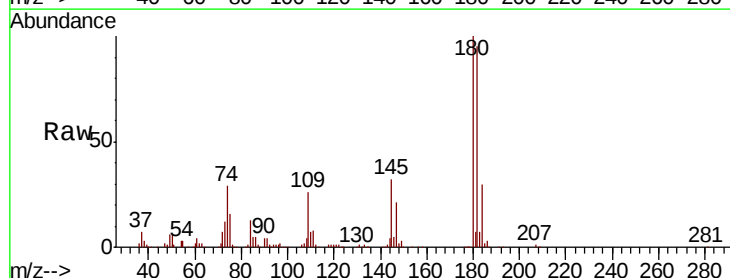
Tgt Ion:180 Resp: 157729

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 31.4 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

