

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071818\
 Data File : VW004026.D
 Acq On : 18 Jul 2018 19:08
 Operator : VA/AP
 Sample : VSTD2.586
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 07:26:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 07:11:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	270527	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	260236	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	124887	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	8755	3.27	ug/L	0.00
7) Chloroethane-d5	2.89	69	5579	2.89	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	18904	2.94	ug/L	0.00
20) 2-Butanone-d5	7.07	46	2821	2.12	ug/L	-0.01
24) Chloroform-d	7.65	84	18476	2.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	11474	2.97	ug/L	0.00
29) Benzene-d6	8.28	84	33149	2.75	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	10998	2.73	ug/L	0.00
37) Toluene-d8	10.33	98	28882	2.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	4427	2.50	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4680	4.32	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	12183	2.76	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	11448	2.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	3320	1.884 ug/L	# 90
3) Chloromethane	2.21	50	8172	2.951 ug/L	96
5) Vinyl chloride	2.36	62	12371	2.967 ug/L	96
6) Bromomethane	2.78	94	6354	2.871 ug/L	94
8) Chloroethane	2.92	64	6157	2.817 ug/L	91
9) Trichlorofluoromethane	3.25	101	6722	3.236 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10435	2.825 ug/L	97
12) 1,1-Dichloroethene	4.03	96	9831	2.730 ug/L	87
13) Acetone	4.12	43	11670	6.841 ug/L	98
14) Carbon disulfide	4.37	76	32636	2.801 ug/L	98
15) Methyl Acetate	4.67	43	8484	2.915 ug/L	99
16) Methylene chloride	4.92	84	20507	3.951 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	18228	2.617 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	9906	2.672 ug/L	91
19) 1,1-Dichloroethane	6.21	63	19158	2.716 ug/L	96
21) 2-Butanone	7.18	43	13153	6.214 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	10731	2.708 ug/L	91
23) Bromochloromethane	7.51	128	5143	2.760 ug/L	96
25) Chloroform	7.68	83	20248	2.811 ug/L	99
27) 1,2-Dichloroethane	8.40	62	15069	2.839 ug/L	99
30) Cyclohexane	7.95	56	13815	2.177 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	16192	2.736 ug/L	99
32) Carbon tetrachloride	8.07	117	14840	2.599 ug/L	96
34) Benzene	8.32	78	39612	2.483 ug/L	100
35) Trichloroethene	9.10	95	11267	2.640 ug/L	99
36) Methylcyclohexane	9.34	83	15587	2.210 ug/L	92
40) 1,2-Dichloropropane	9.37	63	11493	2.658 ug/L	# 98
41) Bromodichloromethane	9.65	83	13823	2.596 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	14166	2.325 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	18751	4.932 ug/L	96

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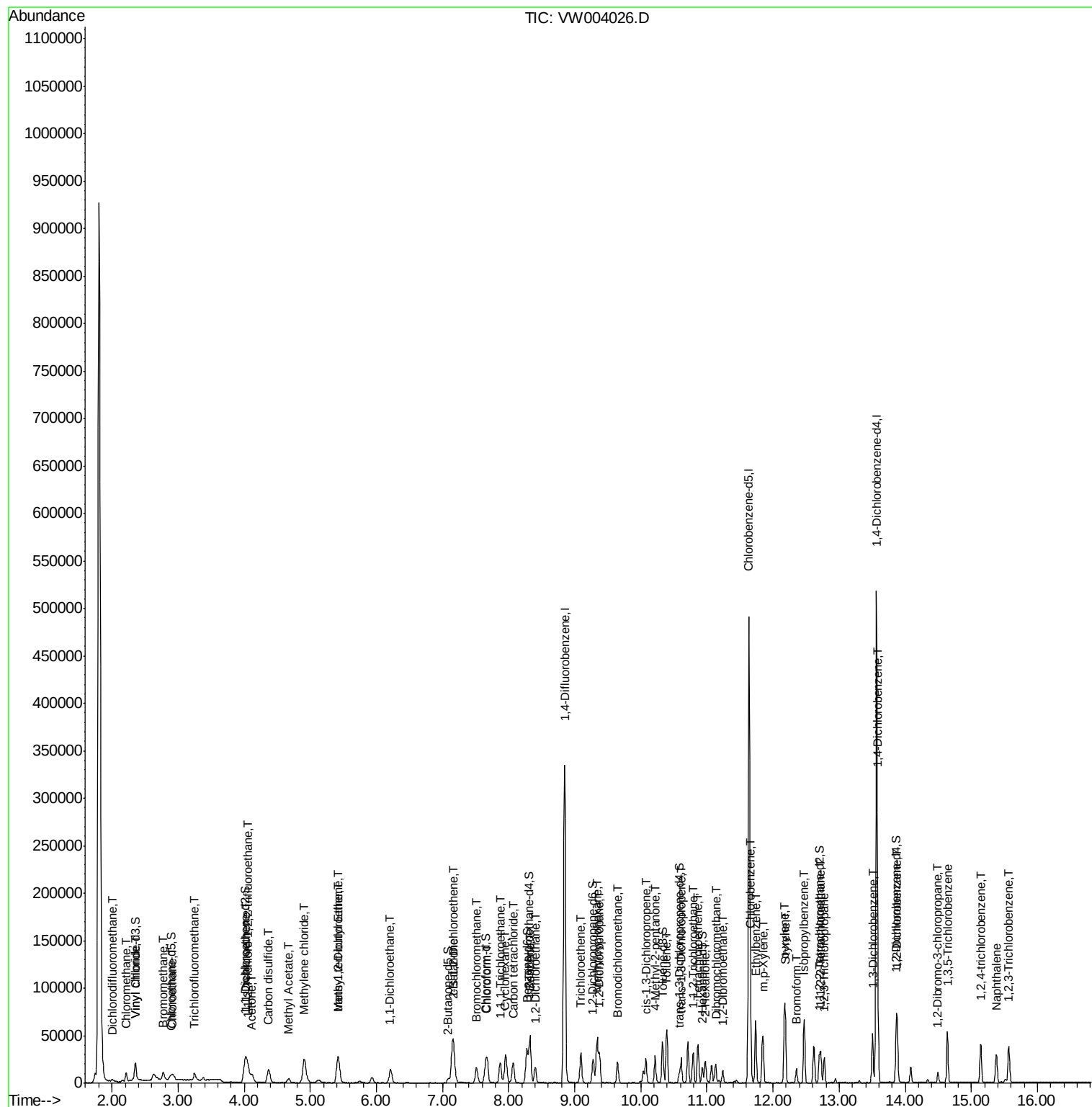
44) Toluene	10.39	91	39535	2.365	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	13294	2.365	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	9355	2.784	ug/L	98
47) Tetrachloroethene	10.87	164	9090	2.641	ug/L	96
49) 2-Hexanone	10.98	43	14904	5.064	ug/L	94
50) Dibromochloromethane	11.13	129	9691	2.574	ug/L	95
51) 1,2-Dibromoethane	11.24	107	8830	2.690	ug/L #	94
52) Chlorobenzene	11.66	112	28275	2.638	ug/L	100
53) Ethylbenzene	11.74	91	42526	2.350	ug/L	98
54) m,p-Xylene	11.85	106	15093	2.263	ug/L	98
55) o-xylene	12.17	106	14023	2.198	ug/L	95
56) Styrene	12.19	104	23592	2.141	ug/L	97
57) Isopropylbenzene	12.47	105	37764	2.159	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	13785	2.870	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	10615	2.855	ug/L	94
62) Bromoform	12.35	173	6476	2.748	ug/L #	95
63) 1,3-Dichlorobenzene	13.51	146	20718	2.693	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	23227	2.816	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	20344	2.714	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2753	3.150	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	16570	2.724	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	12531	2.569	ug/L	99
69) Naphthalene	15.38	128	25244	2.299	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	12021	2.590	ug/L	97

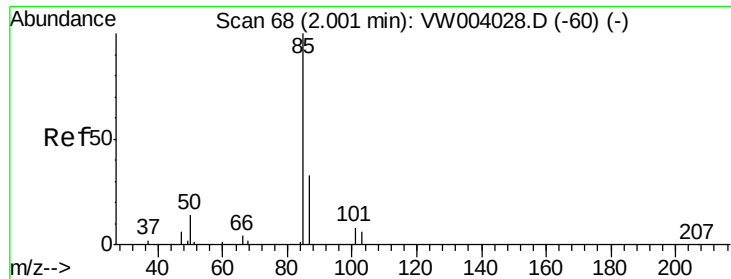
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.884 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

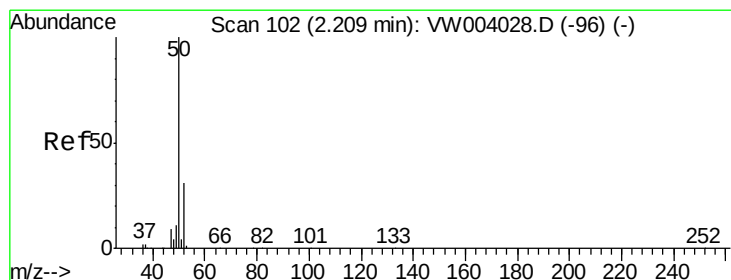
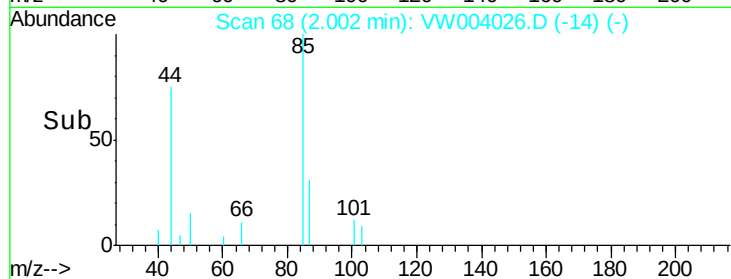
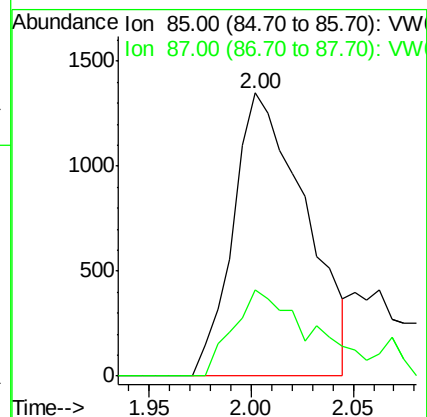
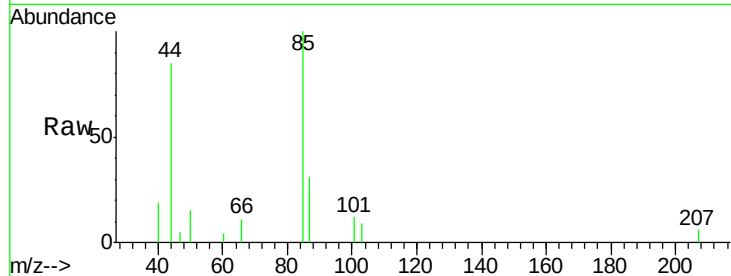
ClientSampled :

Tgt Ion: 85 Resp: 3320

Ion Ratio Lower Upper

85 100

87 24.5 0.1 0.1#



#3

Chloromethane

Concen: 2.951 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004026.D

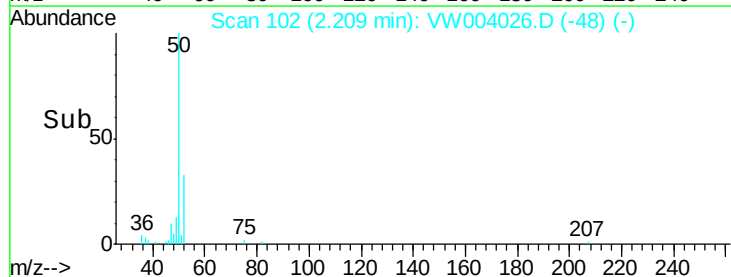
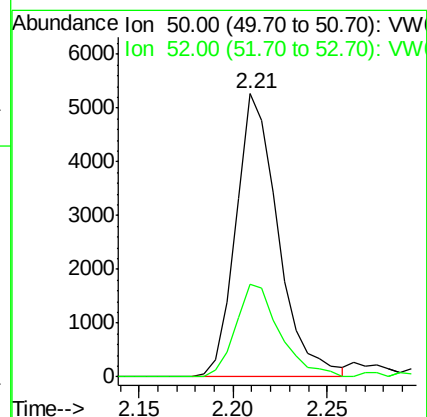
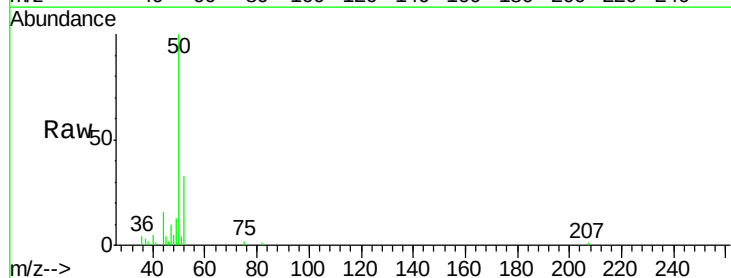
Acq: 18 Jul 2018 19:08

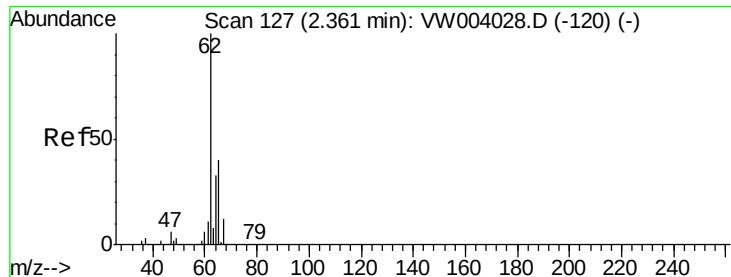
Tgt Ion: 50 Resp: 8172

Ion Ratio Lower Upper

50 100

52 32.6 21.3 39.6





#5

Vinyl chloride

Concen: 2.967 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

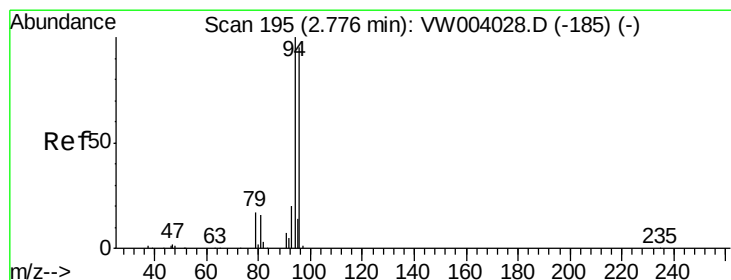
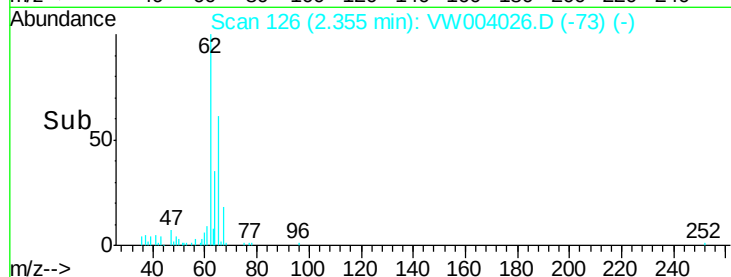
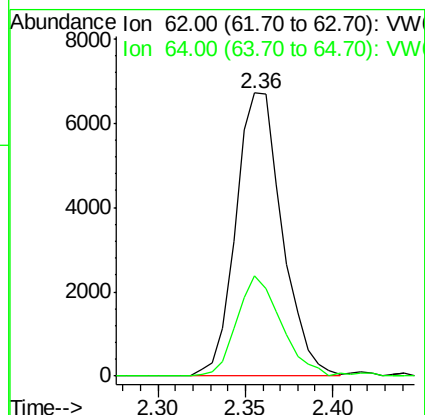
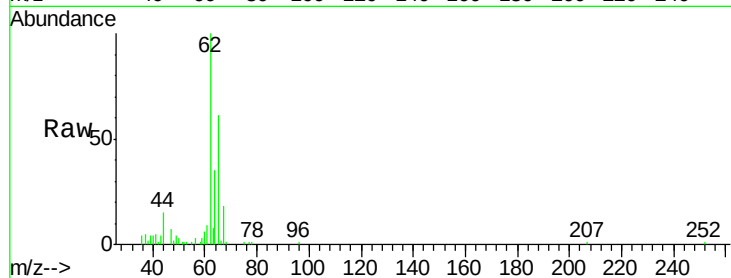
ClientSampled :

Tgt Ion: 62 Resp: 12371

Ion Ratio Lower Upper

62 100

64 35.3 23.1 42.9



#6

Bromomethane

Concen: 2.871 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004026.D

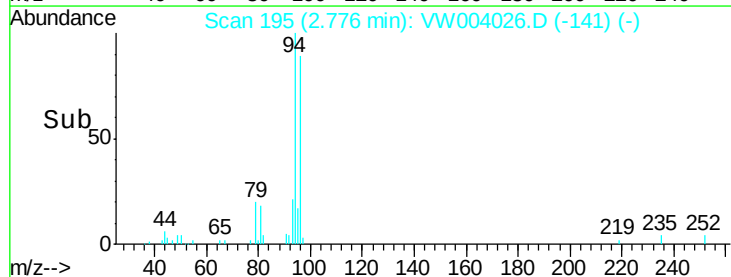
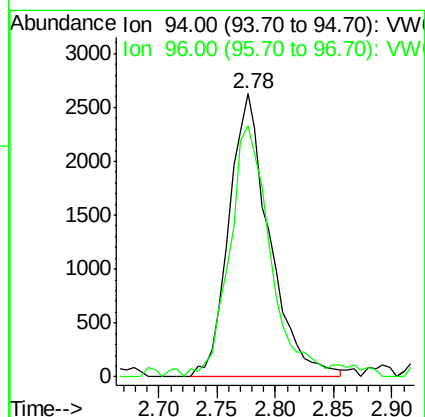
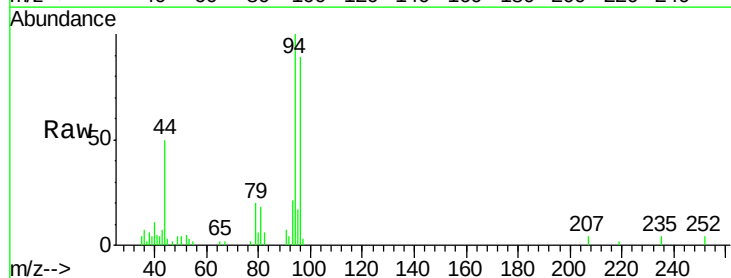
Acq: 18 Jul 2018 19:08

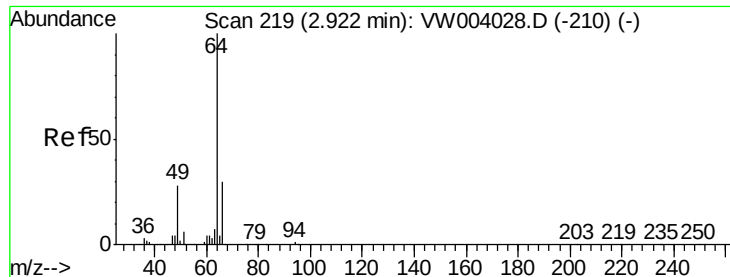
Tgt Ion: 94 Resp: 6354

Ion Ratio Lower Upper

94 100

96 88.8 9.5 179.9





#8

Chloroethane

Concen: 2.817 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

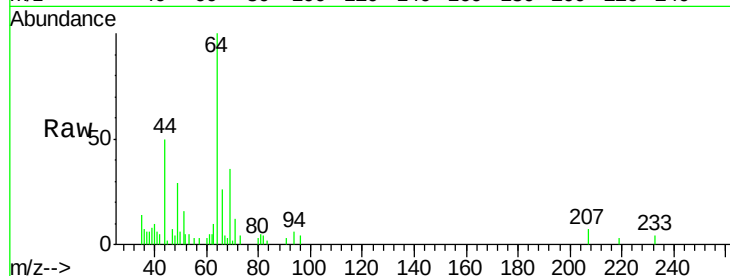
ClientSampleId :

Tgt Ion: 64 Resp: 6157

Ion Ratio Lower Upper

64 100

66 25.6 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

2000

1500

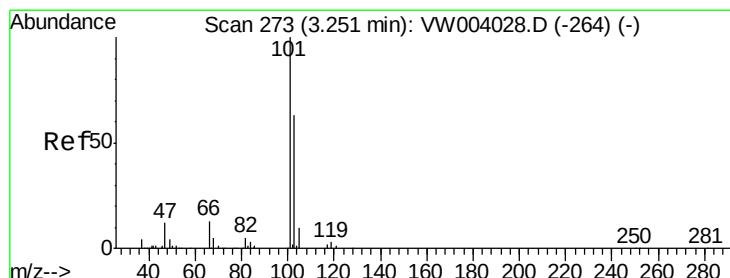
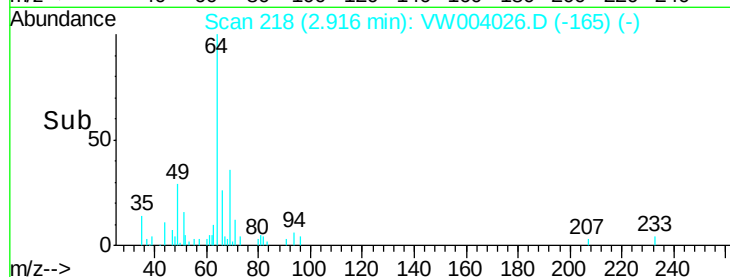
1000

500

0

2.85 2.90 2.95 3.00

Time-->



#9

Trichlorofluoromethane

Concen: 3.236 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004026.D

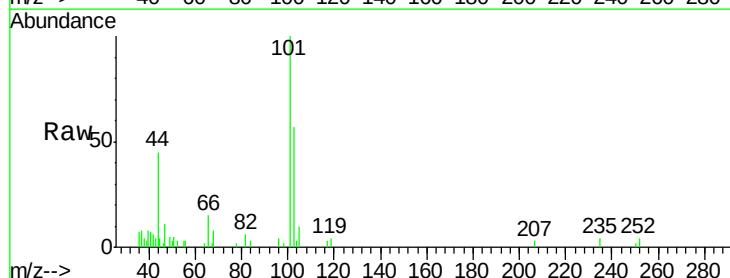
Acq: 18 Jul 2018 19:08

Tgt Ion: 101 Resp: 6722

Ion Ratio Lower Upper

101 100

103 62.3 45.6 84.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.25

3000

2500

2000

1500

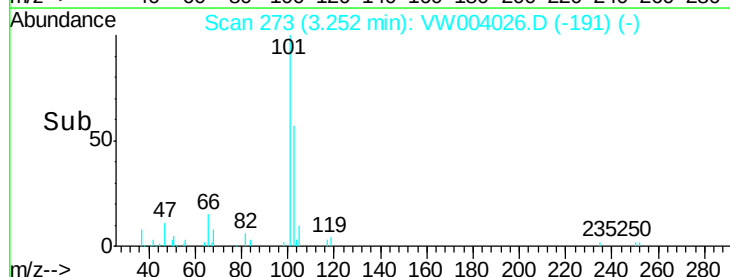
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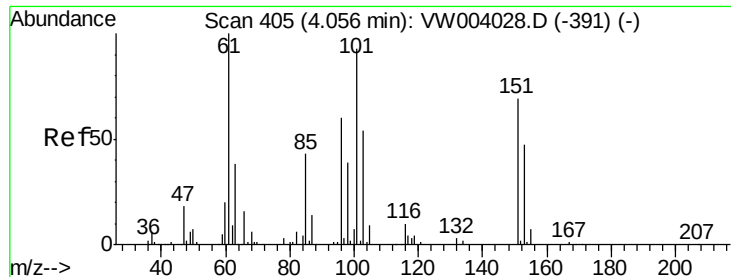
500

0

3.15 3.20 3.25 3.30 3.35

Time-->





#11

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

Concen: 2.825 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

ClientSampled :

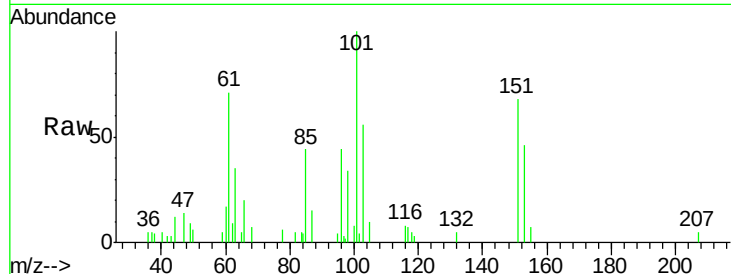
Tgt Ion: 101 Resp: 10435

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.4

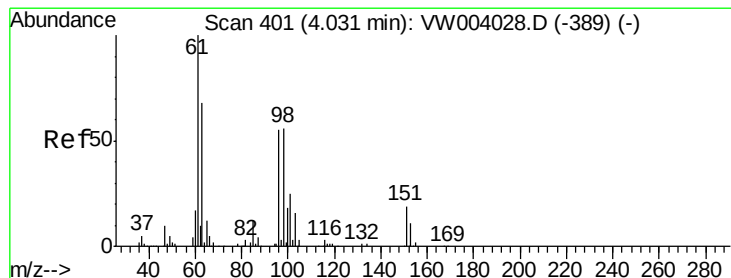
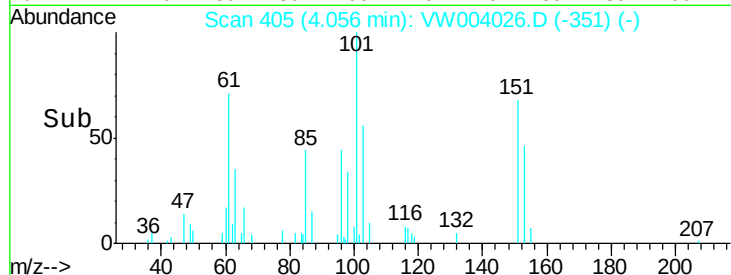
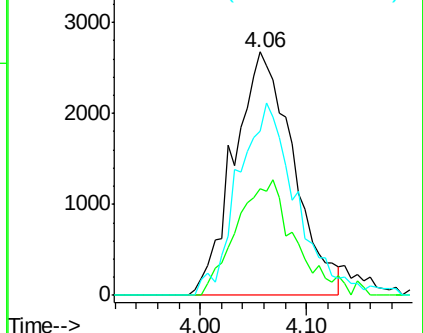
151 70.8 59.5 89.3



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: 2.730 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

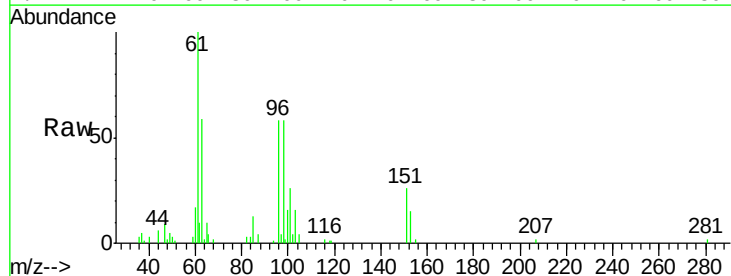
Tgt Ion: 96 Resp: 9831

Ion Ratio Lower Upper

96 100

61 171.6 127.3 236.5

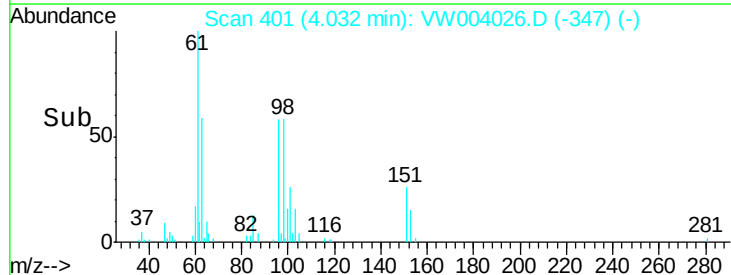
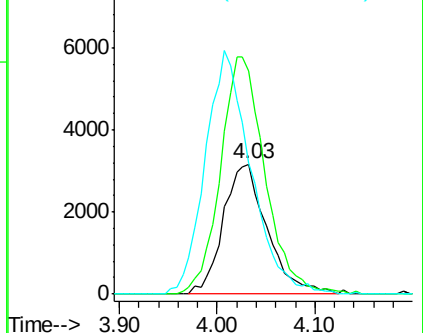
63 101.2 88.5 164.4

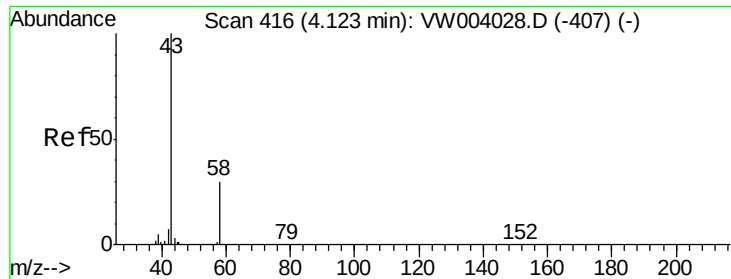


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.841 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

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MSVOA_W

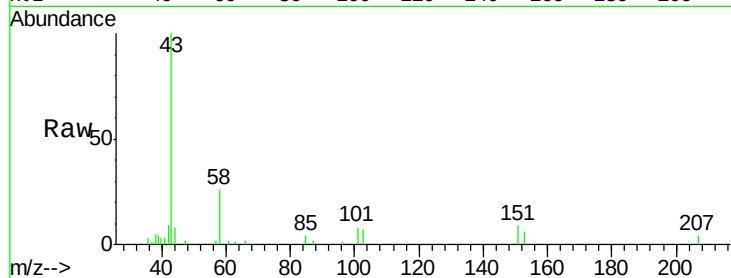
ClientSampled :

Tgt Ion: 43 Resp: 11670

Ion Ratio Lower Upper

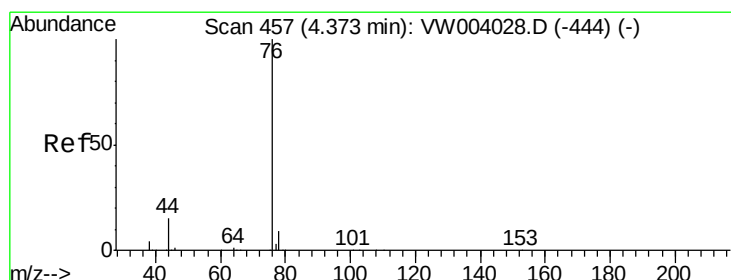
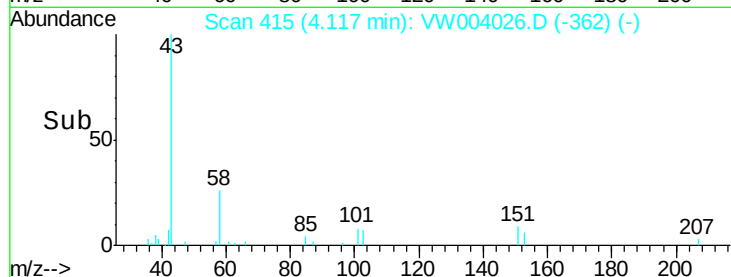
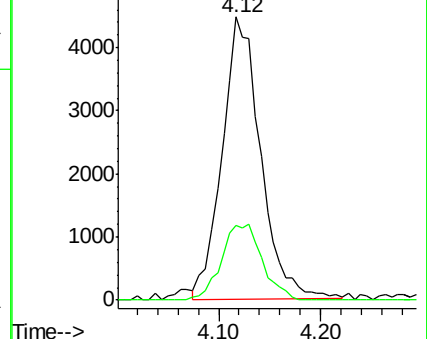
43 100

58 28.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.801 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004026.D

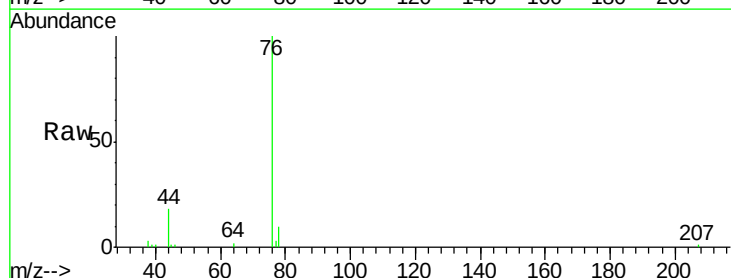
Acq: 18 Jul 2018 19:08

Tgt Ion: 76 Resp: 32636

Ion Ratio Lower Upper

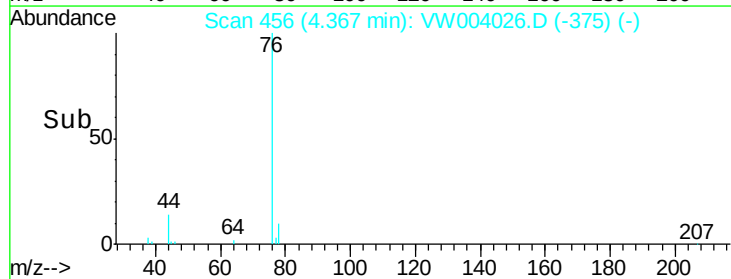
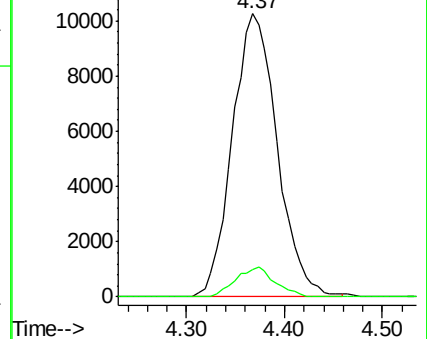
76 100

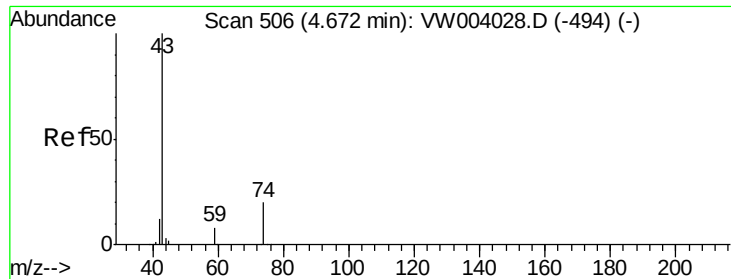
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

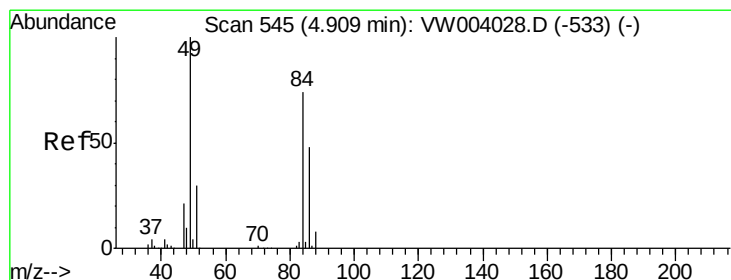
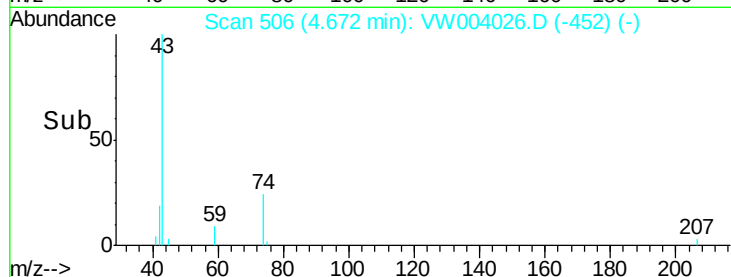
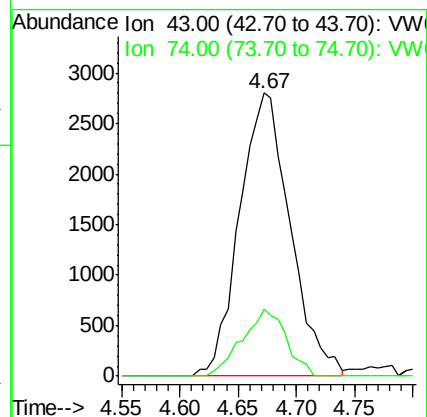
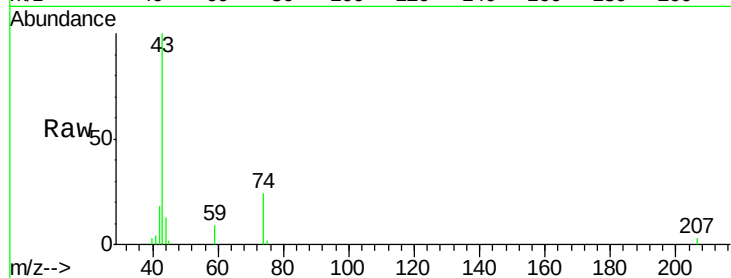




#15
Methyl Acetate
Concen: 2.915 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

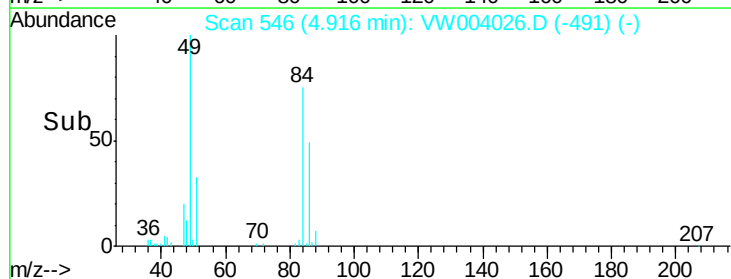
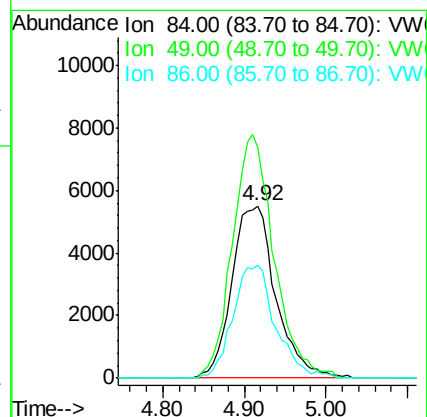
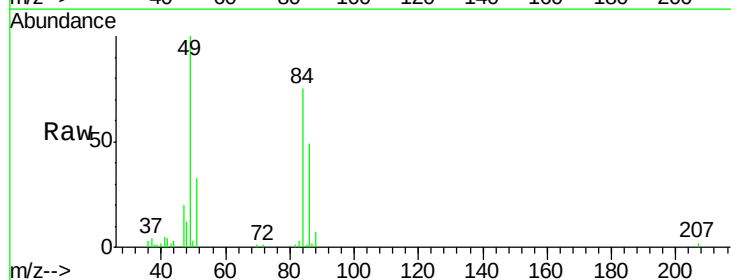
Instrument :
MSVOA_W
ClientSampleId :

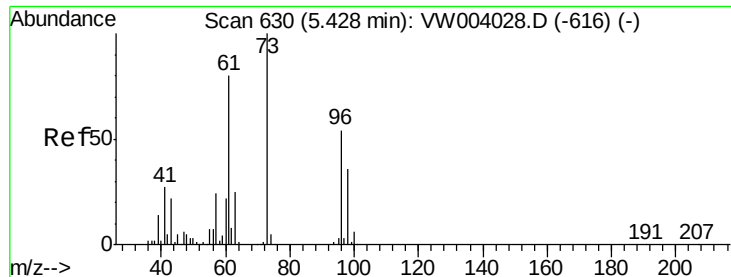
Tgt Ion: 43 Resp: 8484
Ion Ratio Lower Upper
43 100
74 20.4 16.6 24.8



#16
Methylene chloride
Concen: 3.951 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Tgt Ion: 84 Resp: 20507
Ion Ratio Lower Upper
84 100
49 134.1 94.2 175.0
86 65.2 45.1 83.9

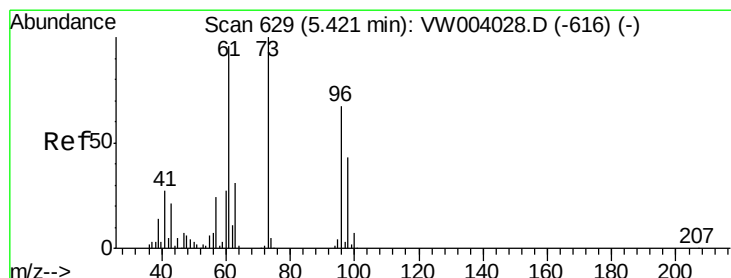
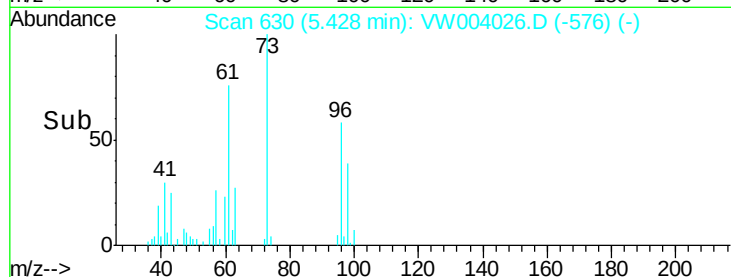
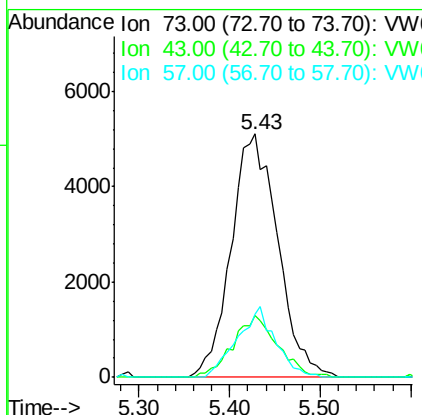
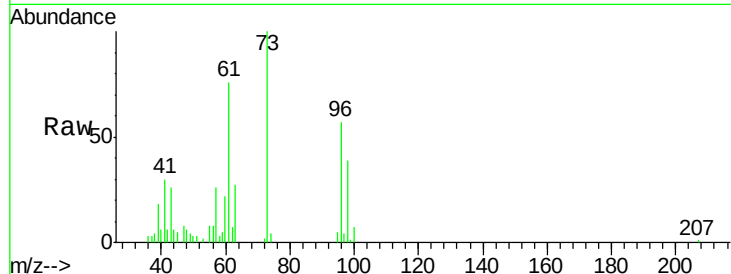




#17
Methyl tert-butyl Ether
Concen: 2.617 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

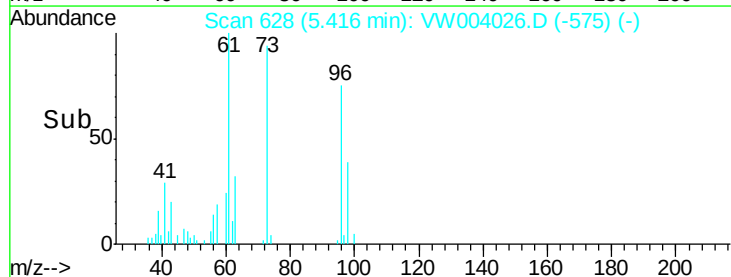
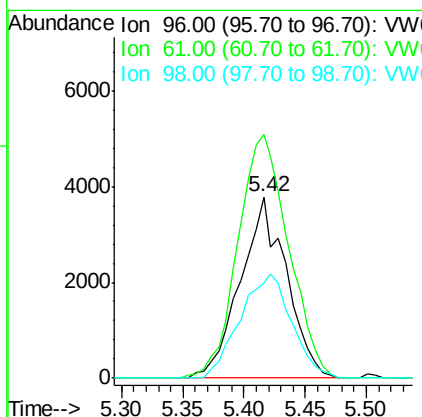
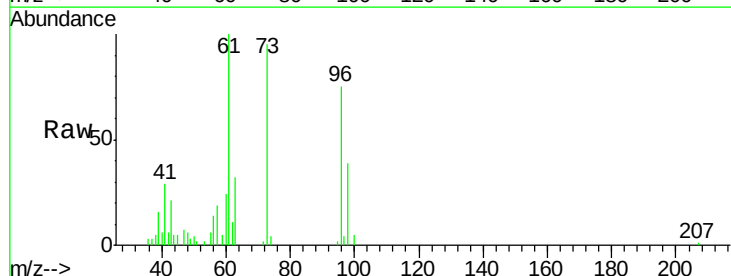
Instrument :
MSVOA_W
ClientSampled :

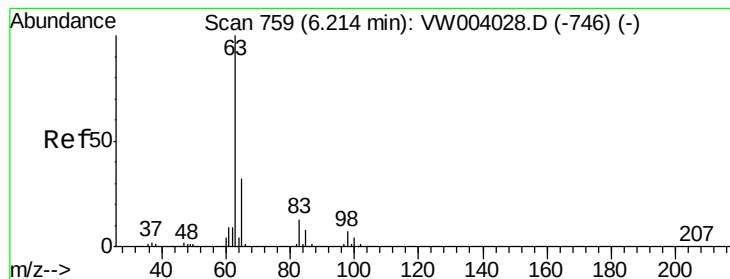
Tgt Ion: 73 Resp: 18228
Ion Ratio Lower Upper
73 100
43 24.2 18.1 27.1
57 23.6 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 2.672 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Tgt Ion: 96 Resp: 9906
Ion Ratio Lower Upper
96 100
61 134.1 99.8 185.4
98 52.4 44.9 83.3





#19

1,1-Dichloroethane

Concen: 2.716 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

ClientSampleId :

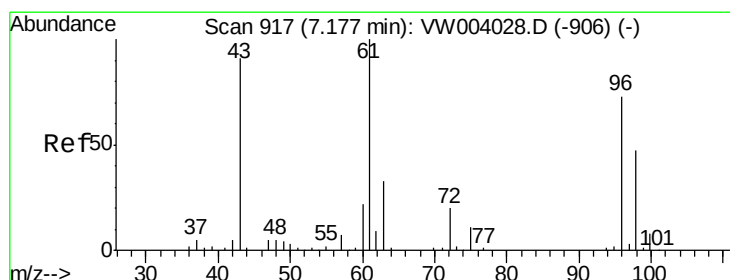
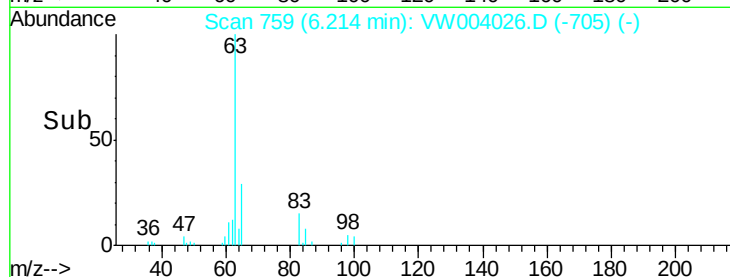
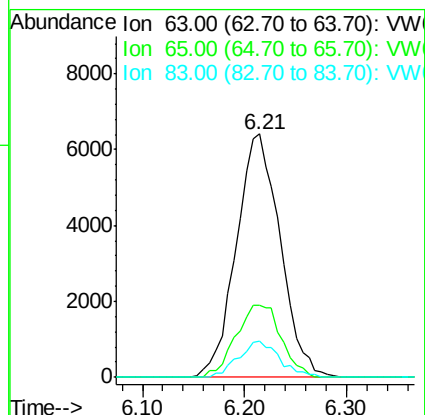
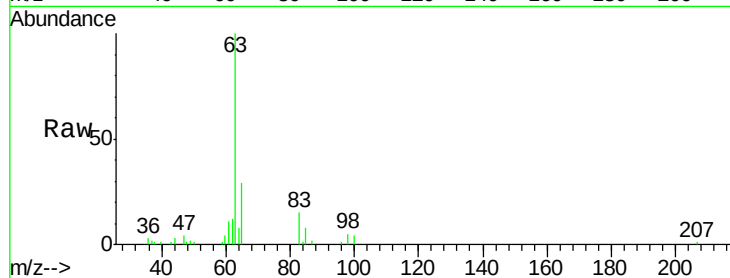
Tgt Ion: 63 Resp: 19158

Ion Ratio Lower Upper

63 100

65 29.5 22.4 41.6

83 14.6 9.2 17.2



#21

2-Butanone

Concen: 6.214 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004026.D

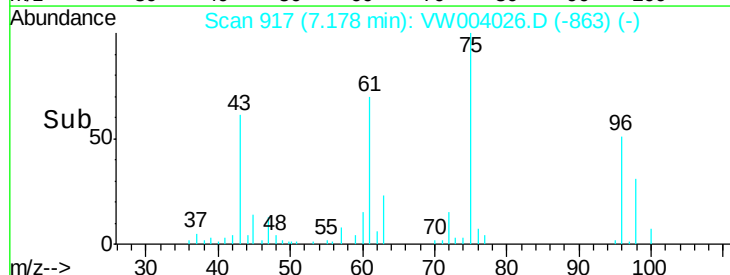
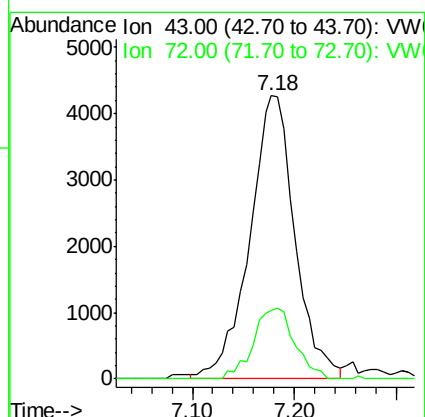
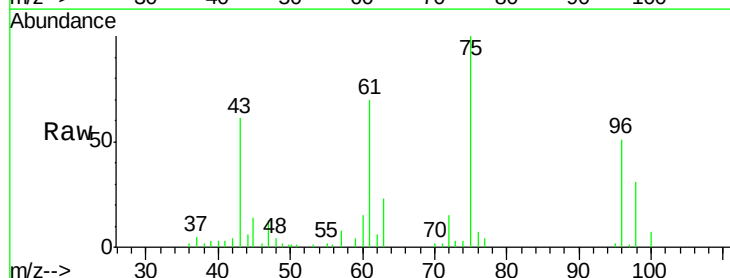
Acq: 18 Jul 2018 19:08

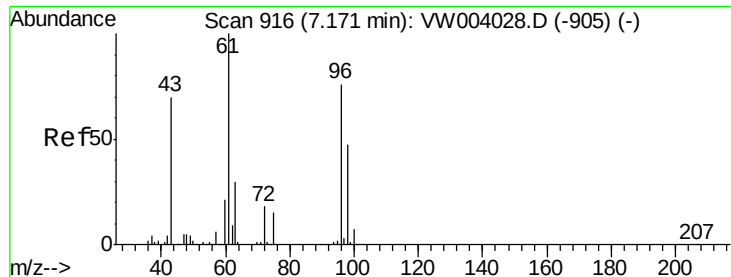
Tgt Ion: 43 Resp: 13153

Ion Ratio Lower Upper

43 100

72 22.8 12.1 36.3



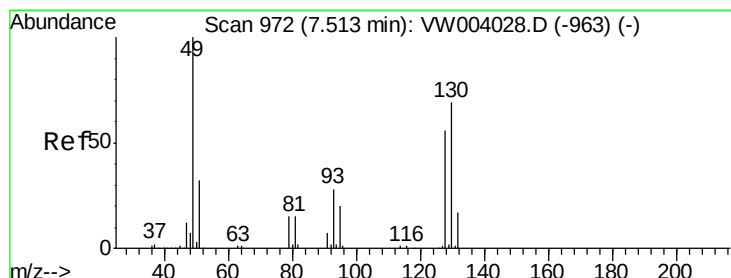
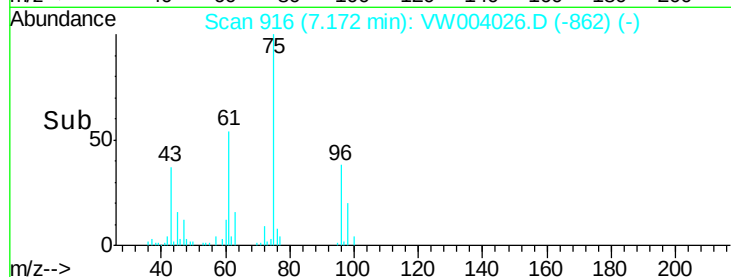
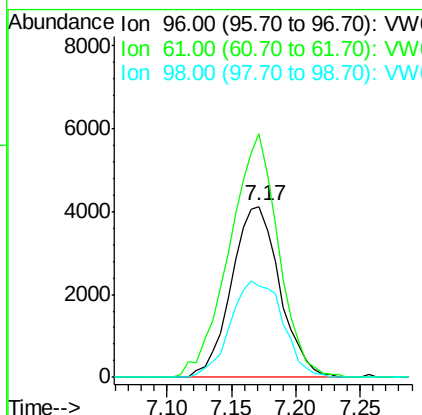
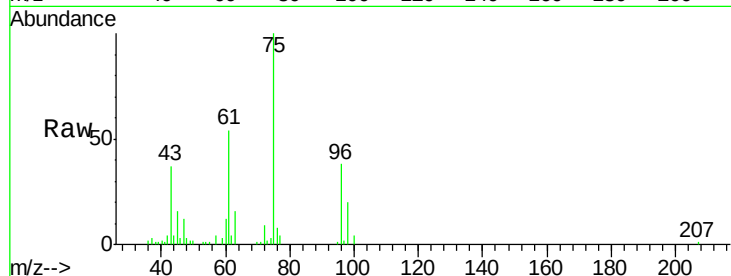


#22

cis-1,2-Dichloroethene
Concen: 2.708 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Instrument :
MSVOA_W
ClientSampleId :

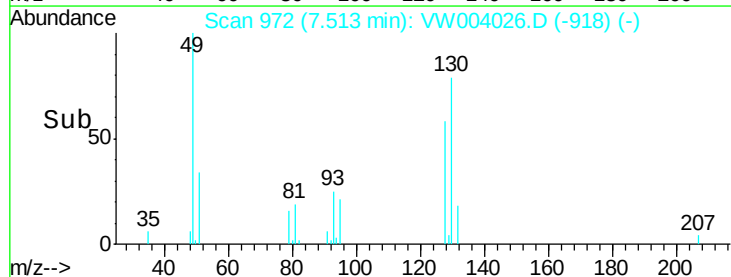
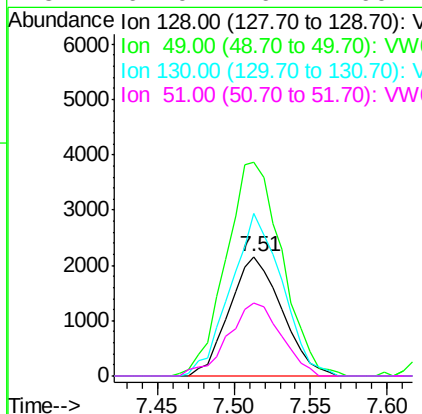
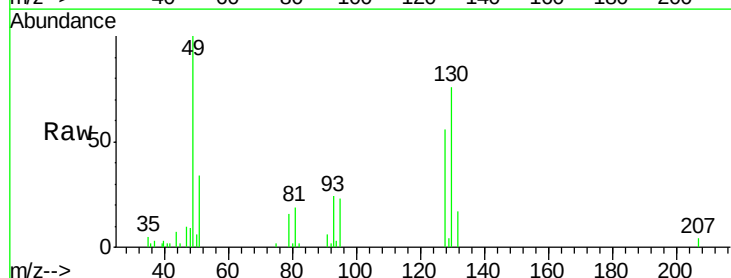
Tgt Ion: 96 Resp: 10731
Ion Ratio Lower Upper
96 100
61 142.2 92.5 171.9
98 53.3 43.0 80.0

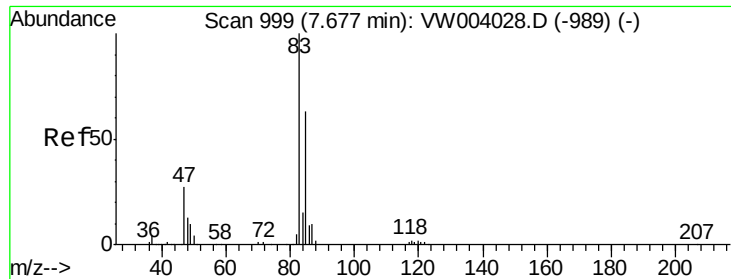


#23

Bromochloromethane
Concen: 2.760 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Tgt Ion: 128 Resp: 5143
Ion Ratio Lower Upper
128 100
49 179.4 126.4 234.8
130 136.5 87.8 163.0
51 61.0 46.2 69.2





#25

Chloroform

Concen: 2.811 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

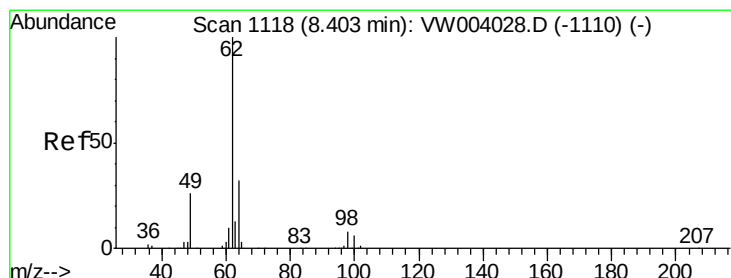
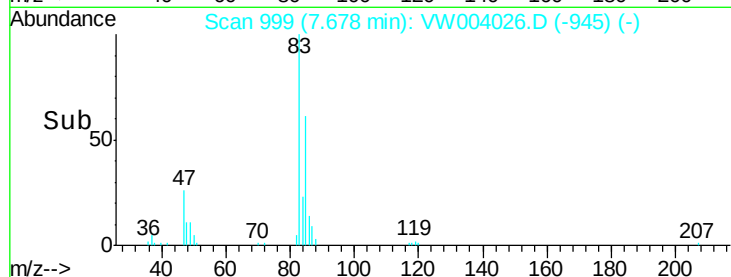
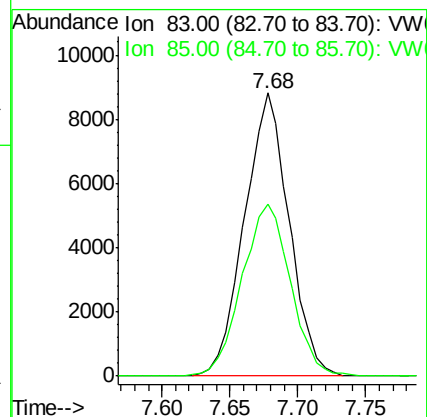
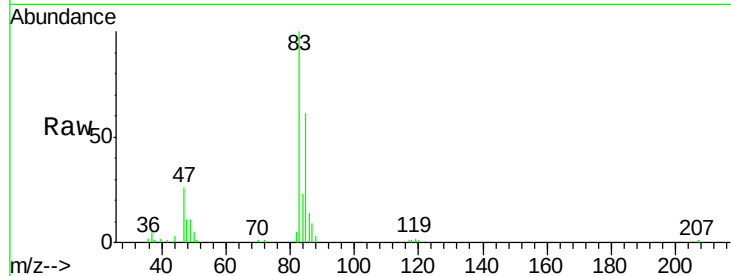
ClientSampled :

Tgt Ion: 83 Resp: 20248

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 2.839 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004026.D

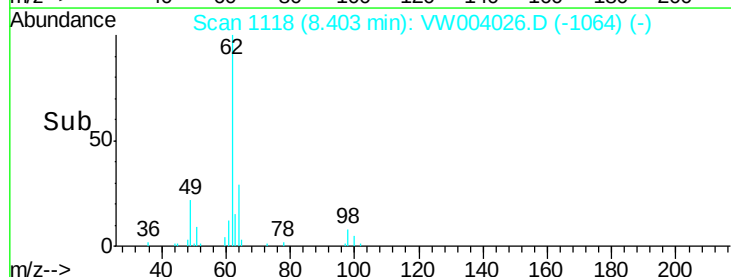
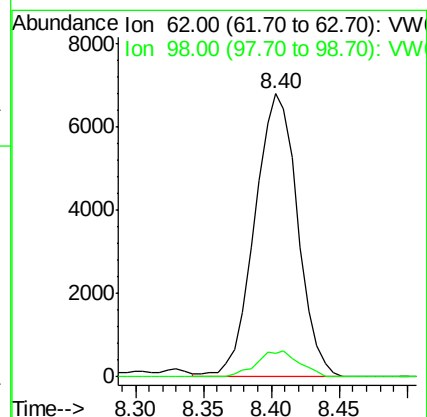
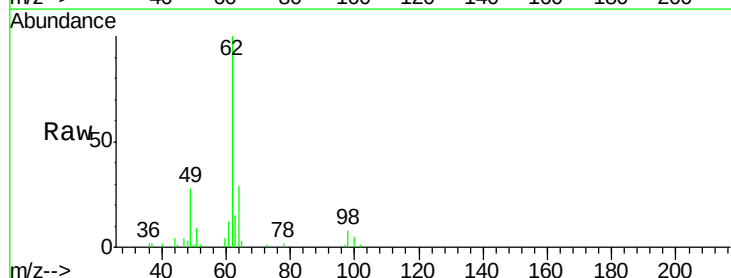
Acq: 18 Jul 2018 19:08

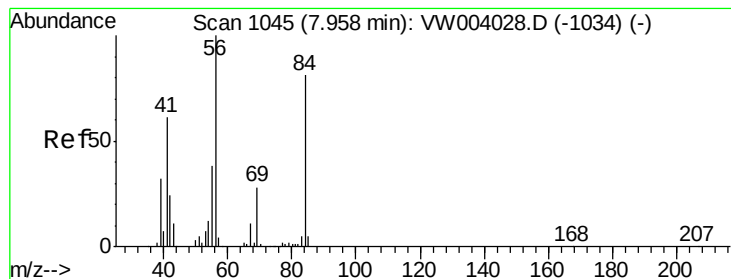
Tgt Ion: 62 Resp: 15069

Ion Ratio Lower Upper

62 100

98 8.2 6.2 9.4





#30

Cyclohexane

Concen: 2.177 ug/L

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

ClientSampled :

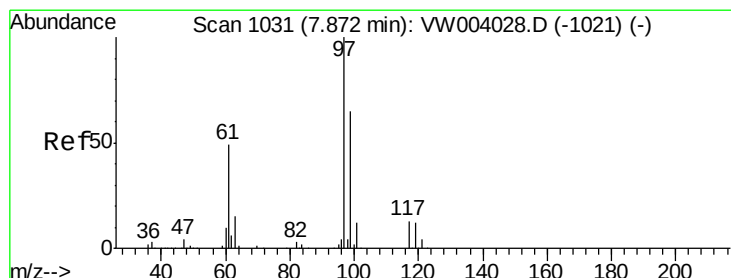
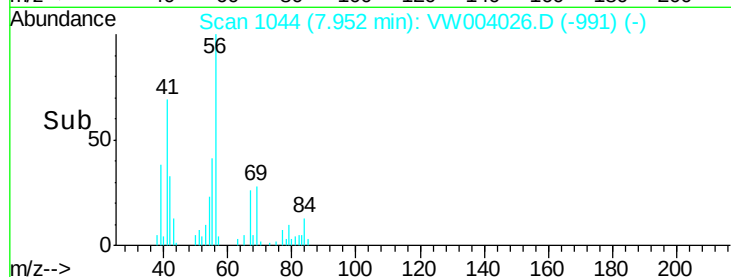
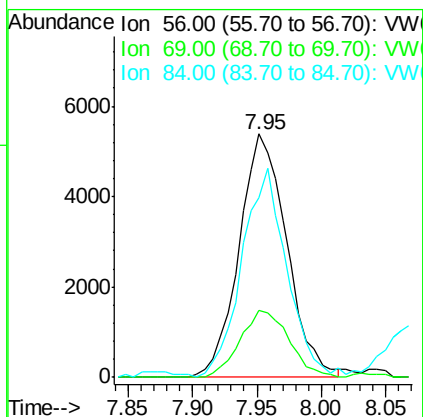
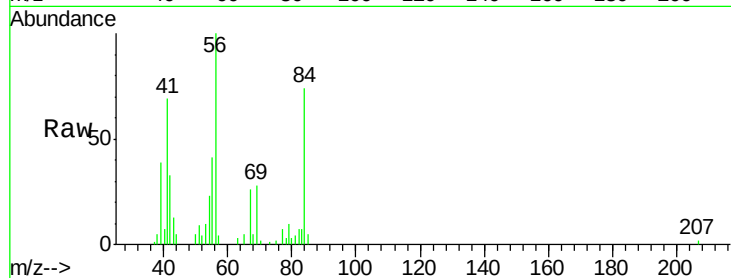
Tgt Ion: 56 Resp: 13815

Ion Ratio Lower Upper

56 100

69 28.2 22.8 34.2

84 80.4 64.6 96.8



#31

1,1,1-Trichloroethane

Concen: 2.736 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

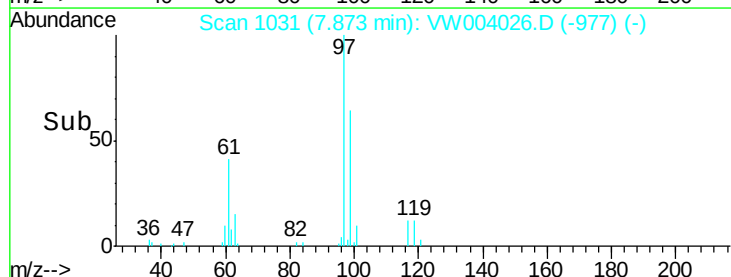
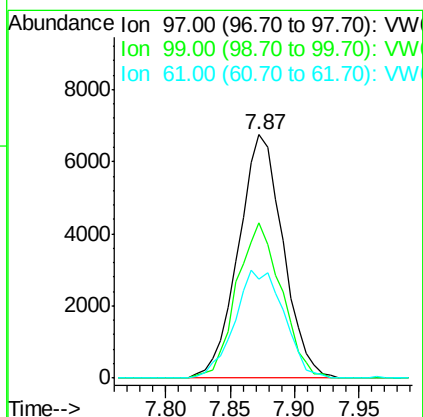
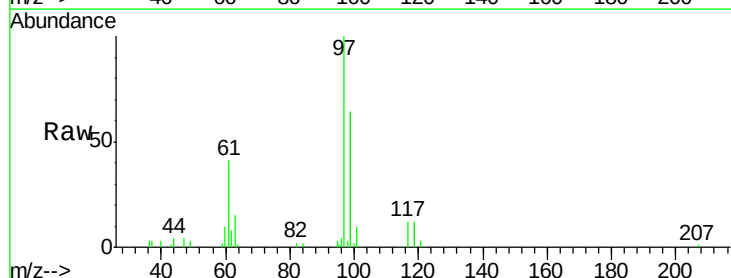
Tgt Ion: 97 Resp: 16192

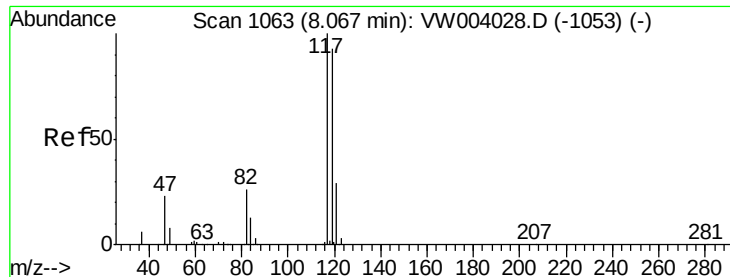
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 48.8 38.6 57.8





#32

Carbon tetrachloride

Concen: 2.599 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

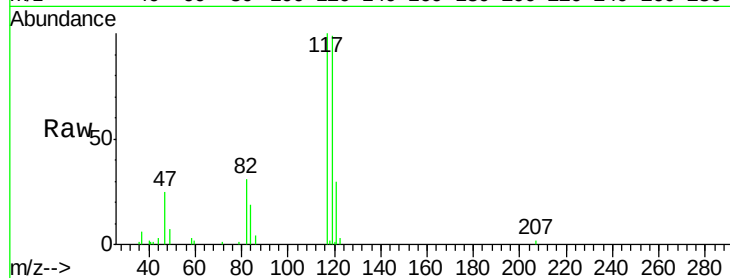
ClientSampleId :

Tgt Ion:117 Resp: 14840

Ion Ratio Lower Upper

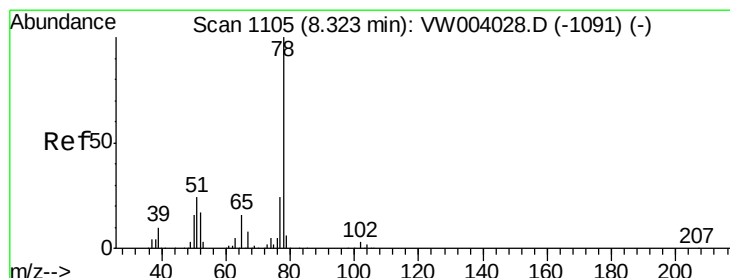
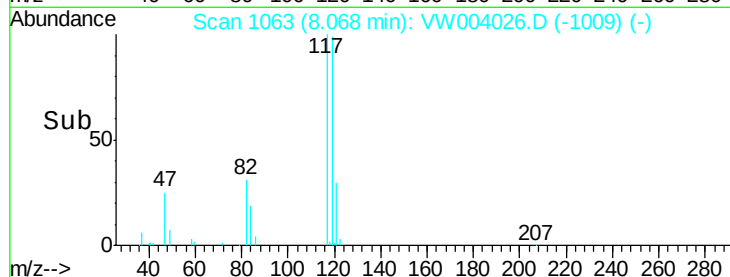
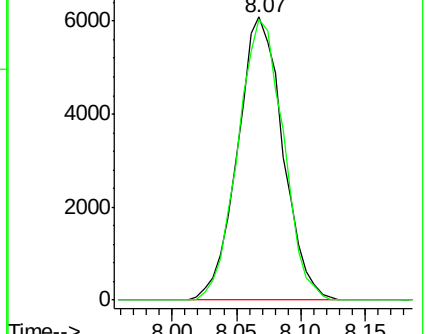
117 100

119 99.2 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.483 ug/L

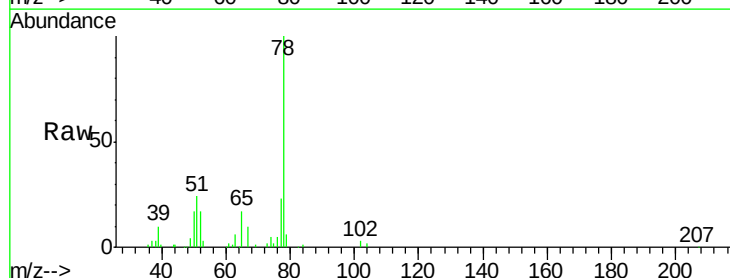
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

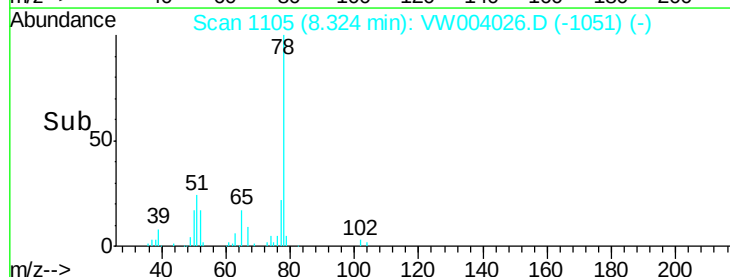
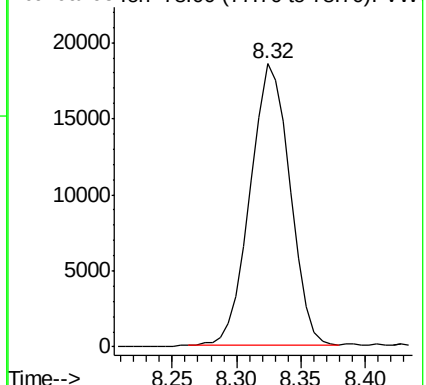
Lab File: VW004026.D

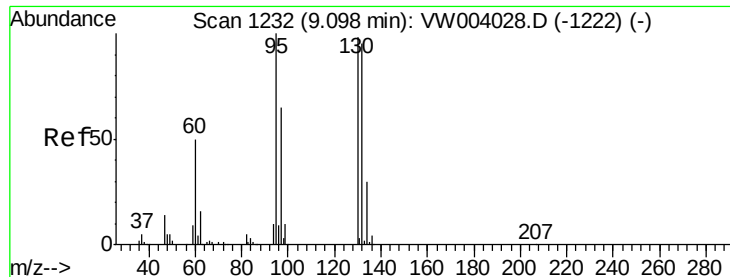
Acq: 18 Jul 2018 19:08

Tgt Ion: 78 Resp: 39612



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.640 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

ClientSampled :

Tgt Ion: 95 Resp: 11267

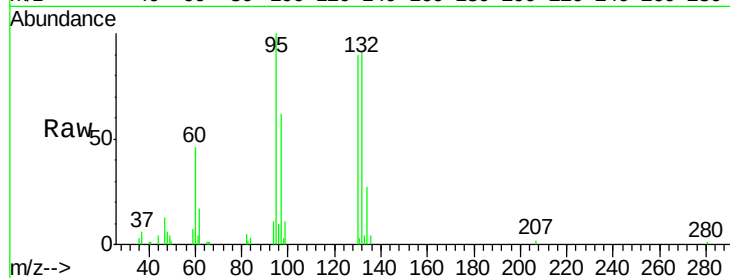
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 92.3 66.1 122.7

130 97.3 68.9 127.9

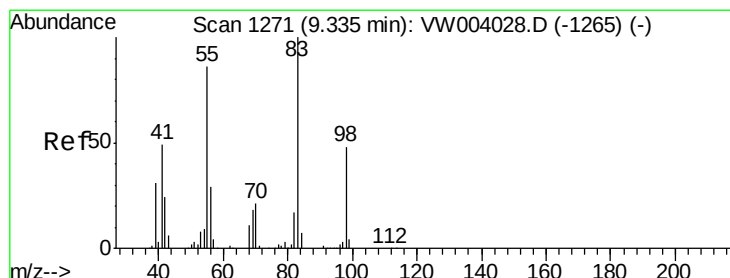
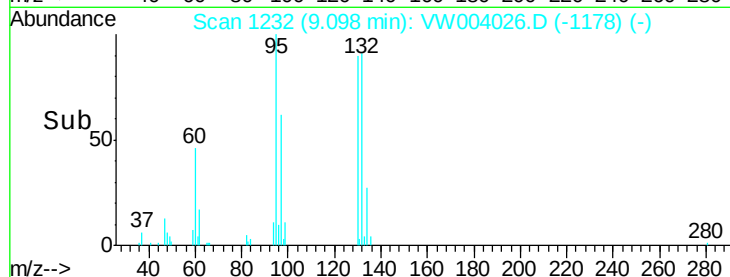
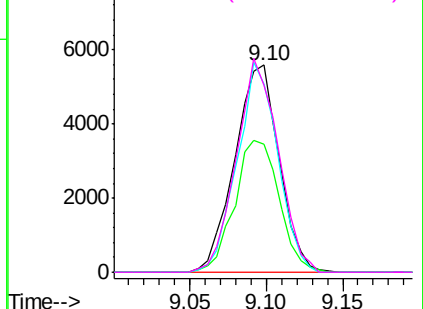


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 2.210 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

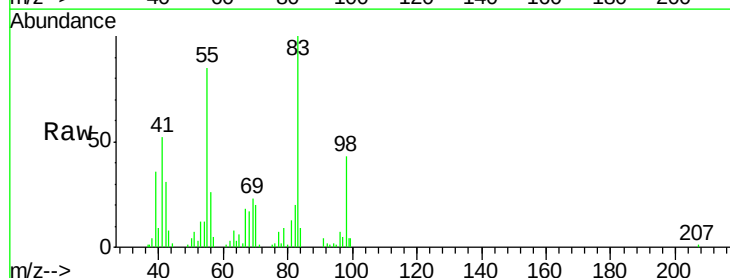
Tgt Ion: 83 Resp: 15587

Ion Ratio Lower Upper

83 100

55 91.0 65.8 98.6

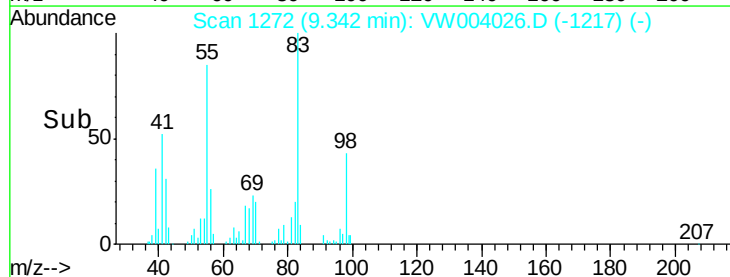
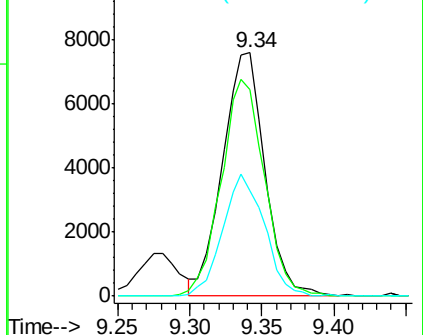
98 49.1 37.0 55.6

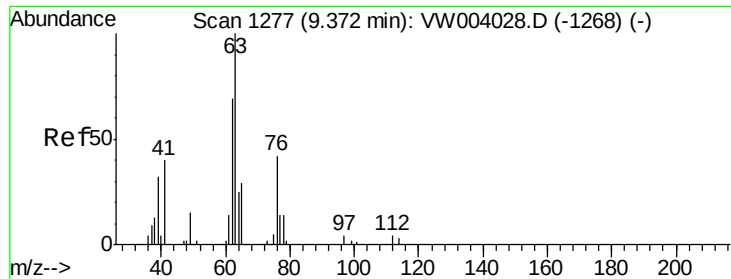


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.658 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

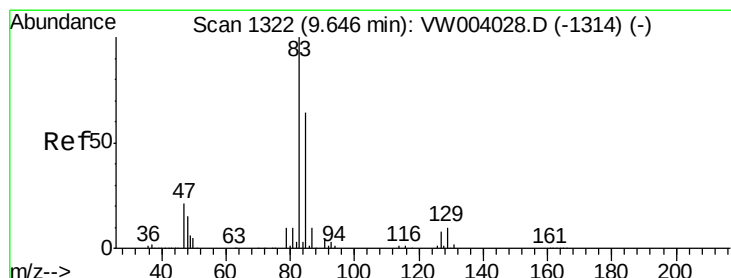
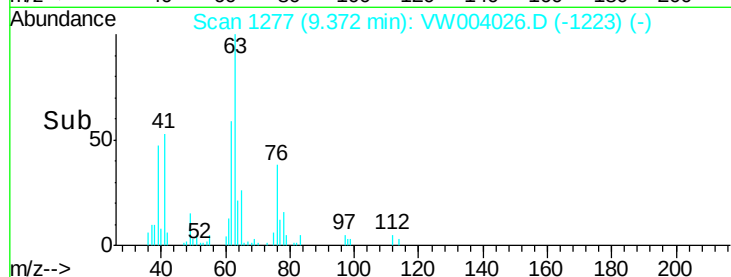
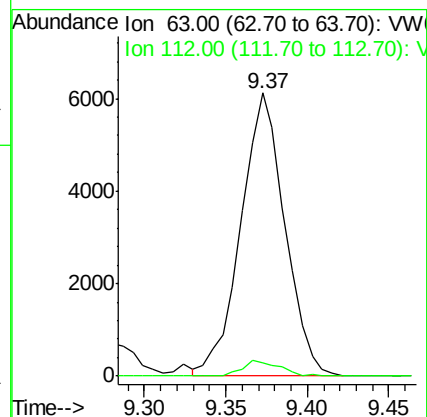
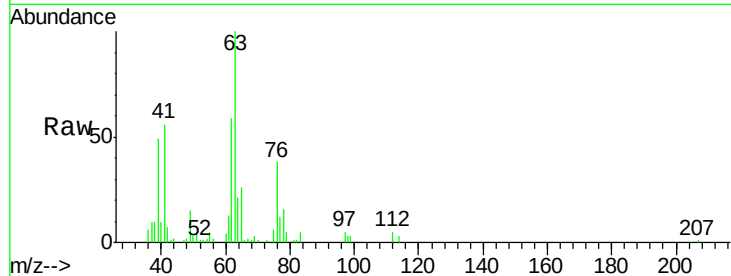
ClientSampleId :

Tgt Ion: 63 Resp: 11493

Ion Ratio Lower Upper

63 100

112 4.4 3.0 4.4#



#41

Bromodichloromethane

Concen: 2.596 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

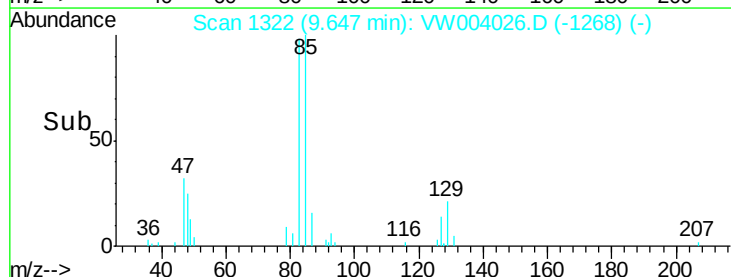
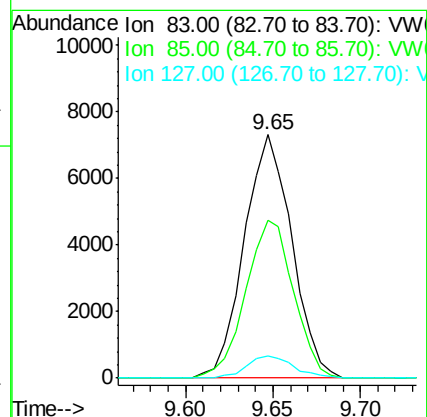
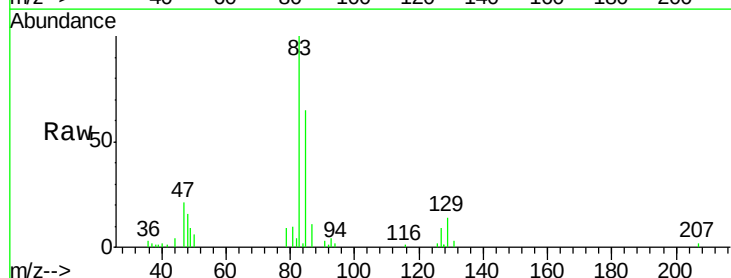
Tgt Ion: 83 Resp: 13823

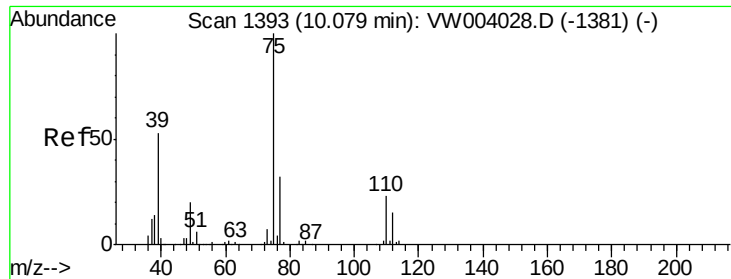
Ion Ratio Lower Upper

83 100

85 65.0 44.7 82.9

127 10.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 2.325 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

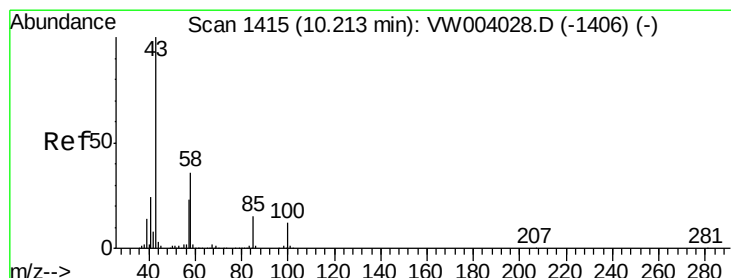
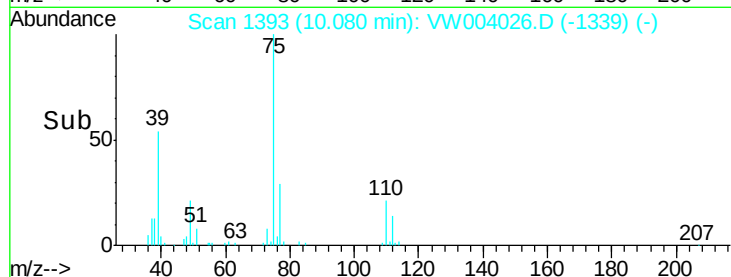
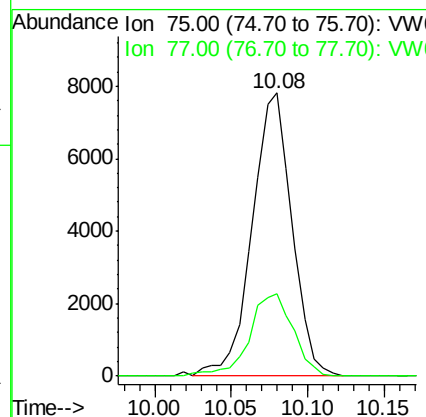
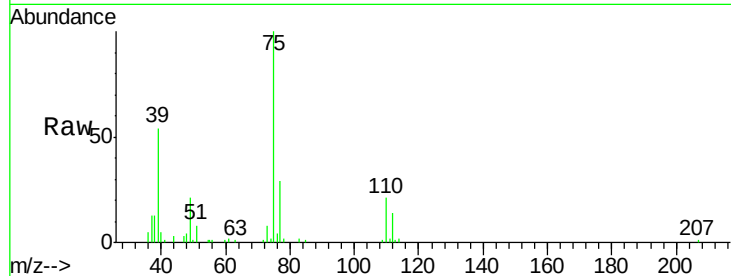
ClientSampleId :

Tgt Ion: 75 Resp: 14166

Ion Ratio Lower Upper

75 100

77 29.0 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 4.932 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

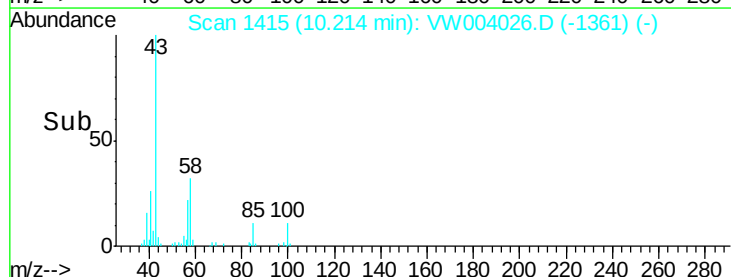
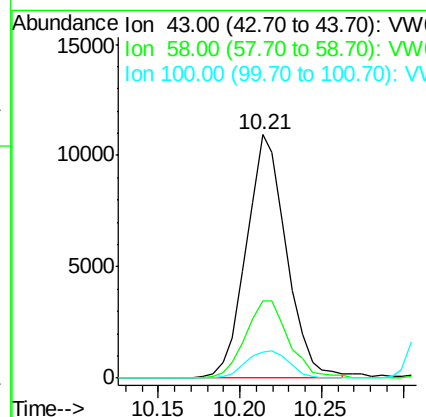
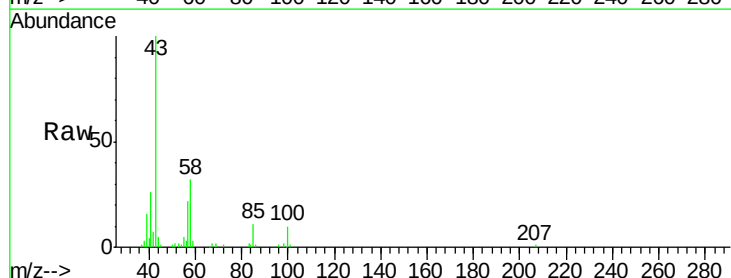
Tgt Ion: 43 Resp: 18751

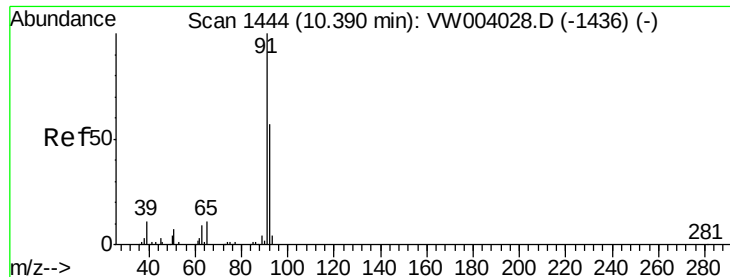
Ion Ratio Lower Upper

43 100

58 34.2 29.4 44.2

100 11.9 10.8 16.2





#44

Toluene

Concen: 2.365 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

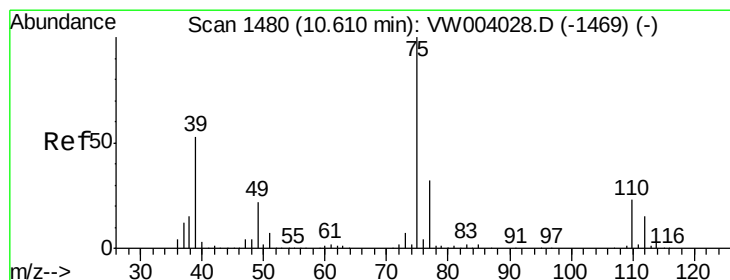
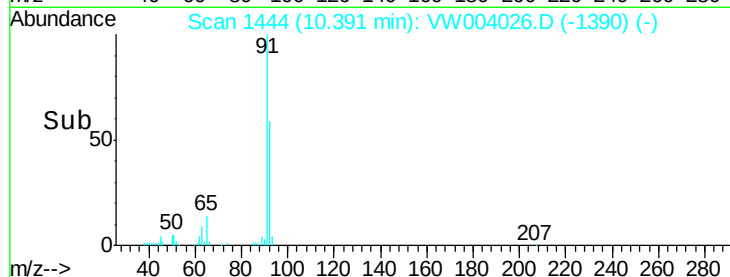
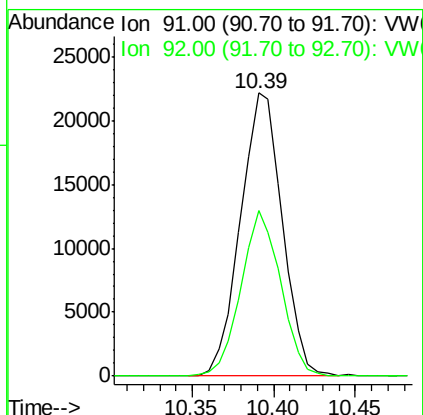
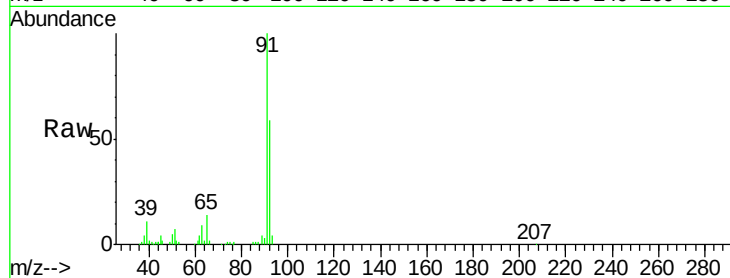
ClientSampled :

Tgt Ion: 91 Resp: 39535

Ion Ratio Lower Upper

91 100

92 58.7 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 2.365 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004026.D

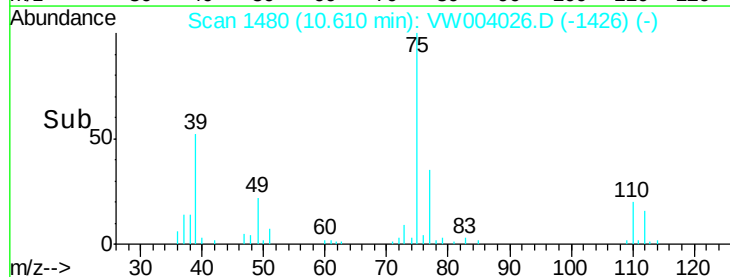
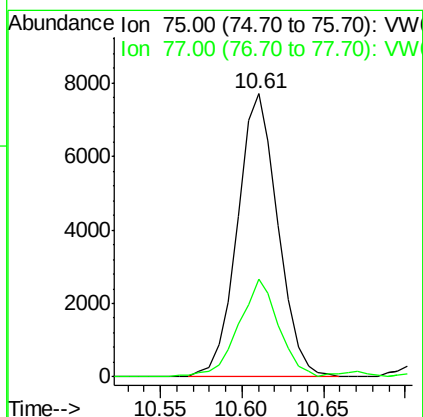
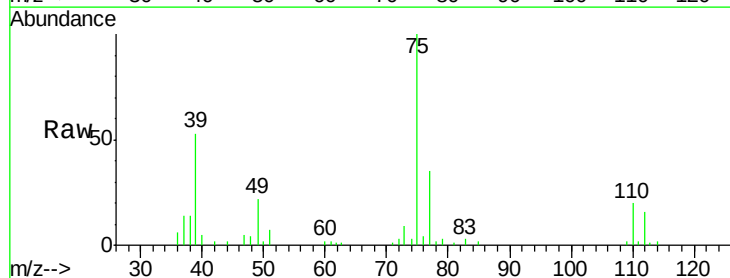
Acq: 18 Jul 2018 19:08

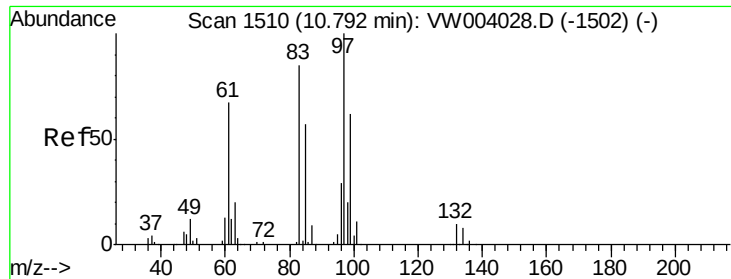
Tgt Ion: 75 Resp: 13294

Ion Ratio Lower Upper

75 100

77 34.6 22.5 41.7

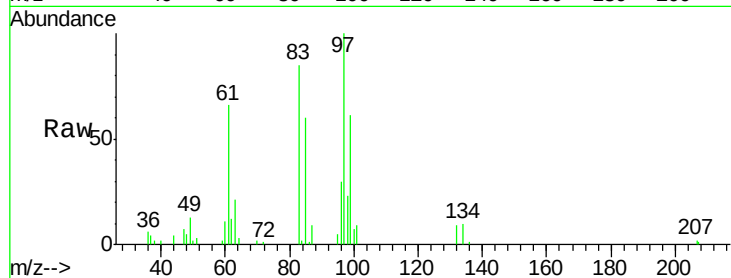




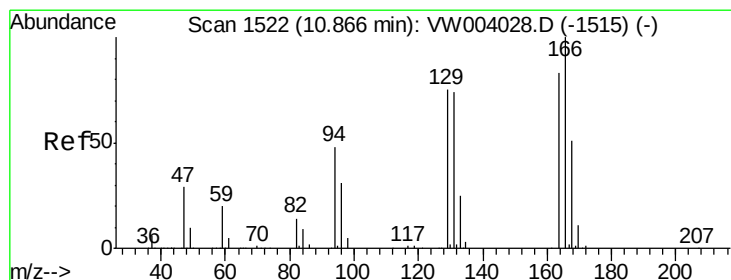
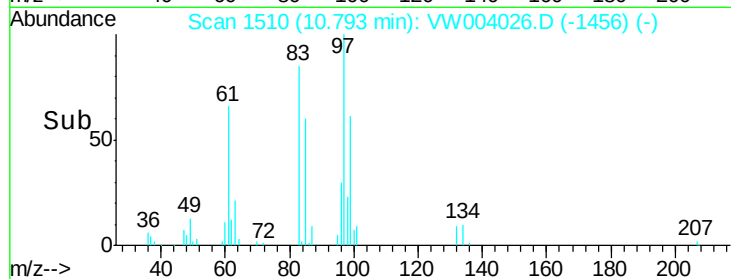
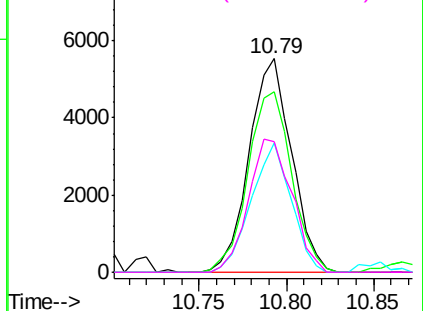
#46
 1,1,2-Trichloroethane
 Concen: 2.784 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:	97	Resp:	9355
Ion	Ratio	Lower	Upper
97	100		
83	84.8	59.4	110.4
85	60.4	40.0	74.2
99	61.2	43.3	80.5

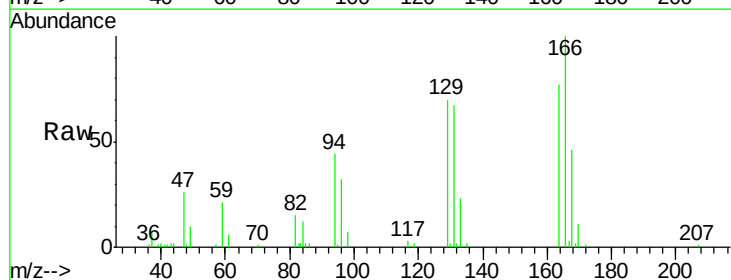


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

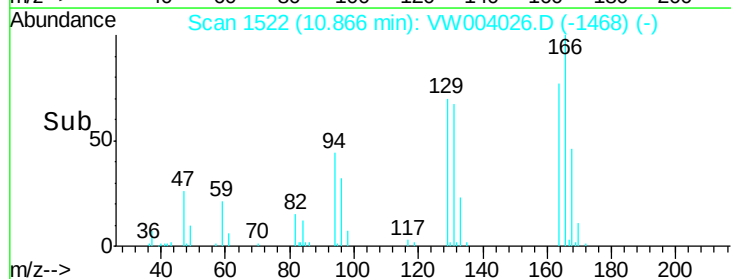
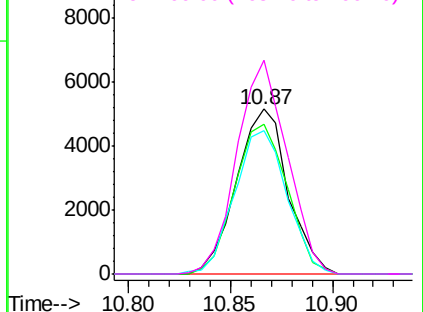


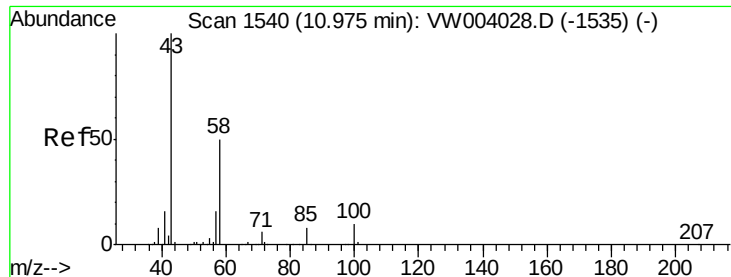
#47
 Tetrachloroethene
 Concen: 2.641 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

Tgt Ion:	164	Resp:	9090
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.1	117.3
131	86.5	62.8	116.6
166	129.4	84.6	157.2



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

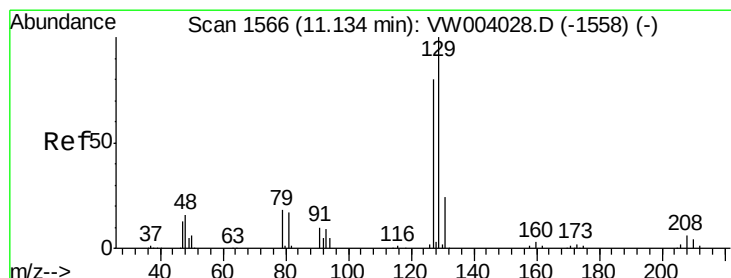
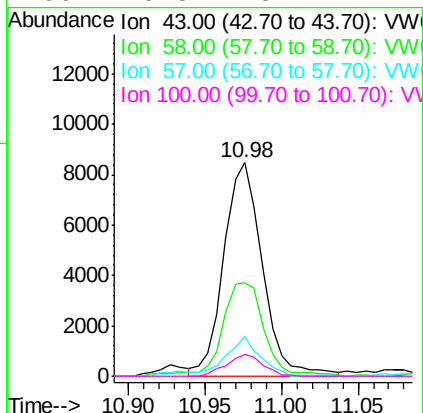
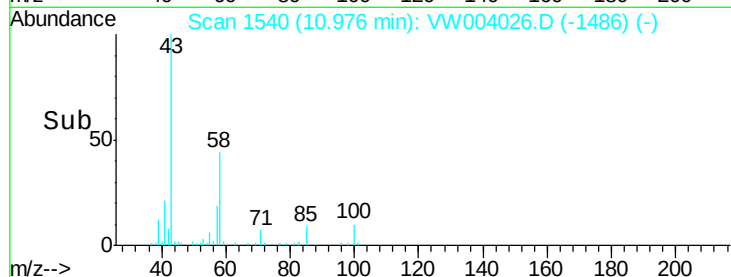
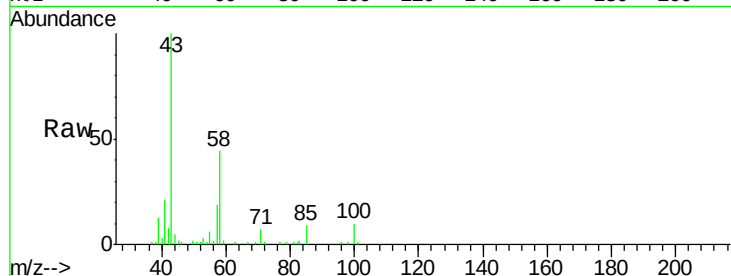




#49
2-Hexanone
Concen: 5.064 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

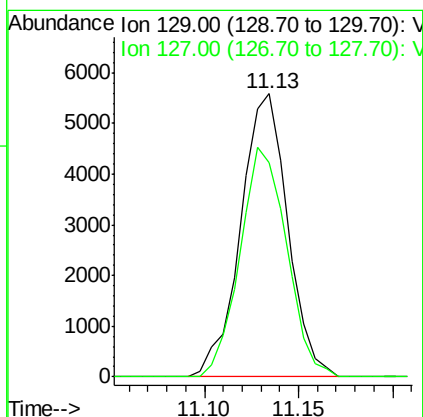
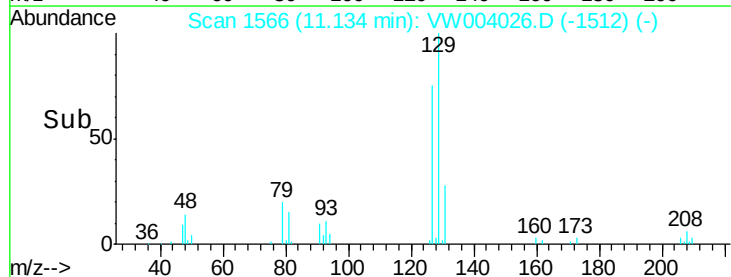
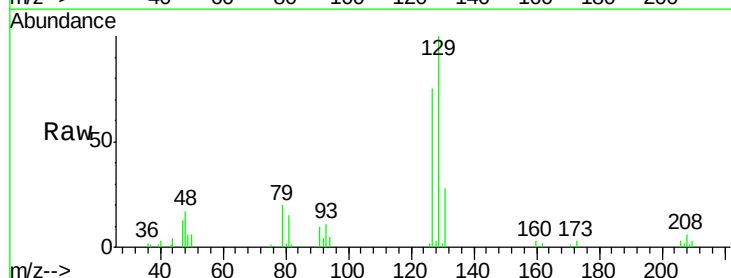
Instrument :
MSVOA_W
ClientSampleId :

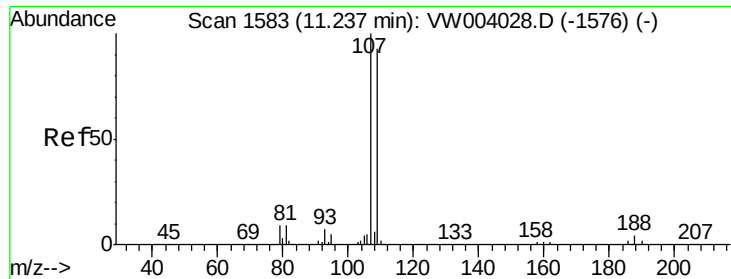
Tgt Ion: 43 Resp: 14904
Ion Ratio Lower Upper
43 100
58 44.5 40.4 60.6
57 16.4 14.0 21.0
100 9.8 8.2 12.2



#50
Dibromochloromethane
Concen: 2.574 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Tgt Ion: 129 Resp: 9691
Ion Ratio Lower Upper
129 100
127 75.5 56.1 104.3

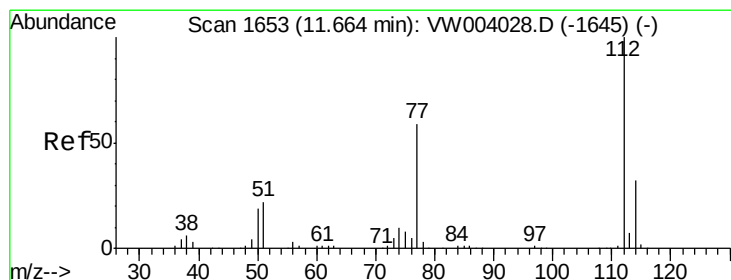
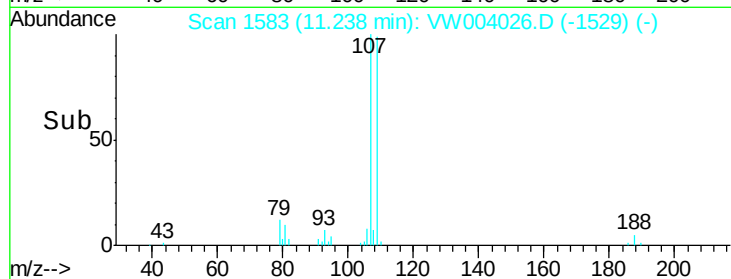
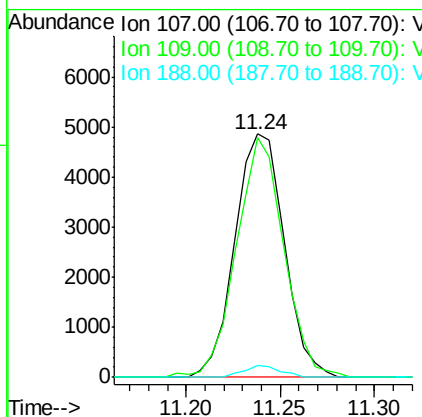
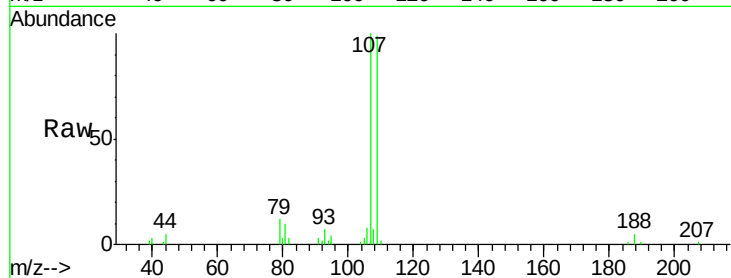




#51
1,2-Dibromoethane
Concen: 2.690 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

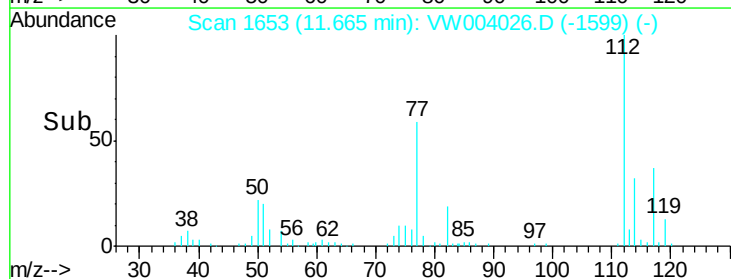
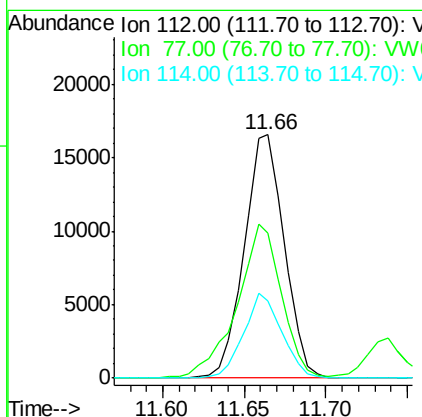
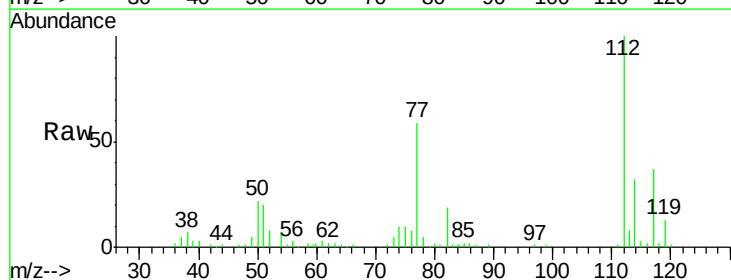
Instrument :
MSVOA_W
ClientSampleId :

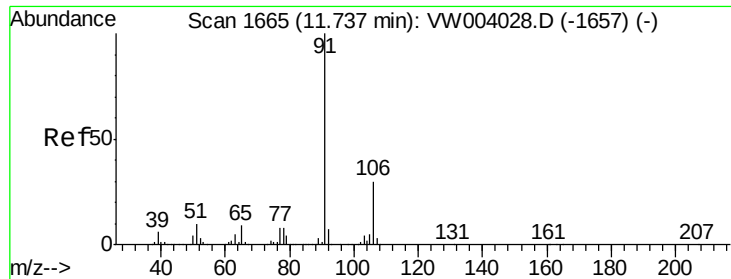
Tgt Ion:107 Resp: 8830
Ion Ratio Lower Upper
107 100
109 98.6 65.2 121.0
188 5.0 2.9 4.3#



#52
Chlorobenzene
Concen: 2.638 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Tgt Ion:112 Resp: 28275
Ion Ratio Lower Upper
112 100
77 59.5 47.7 71.5
114 31.8 22.2 41.2





#53

Ethylbenzene

Concen: 2.350 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

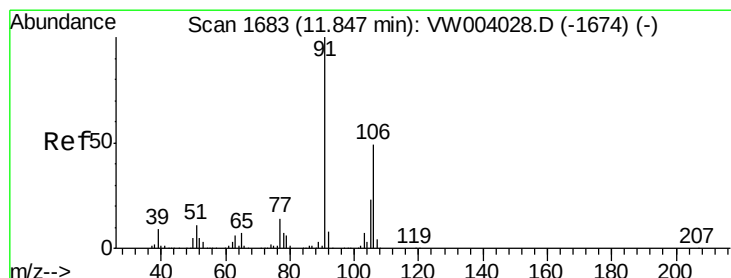
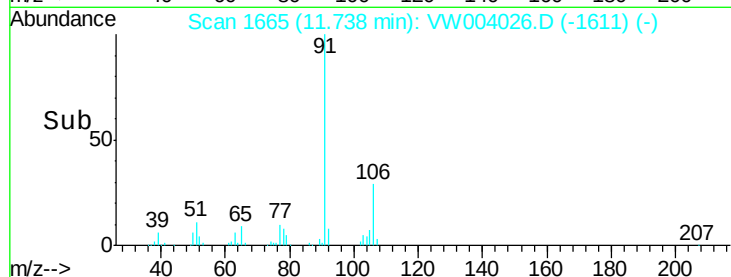
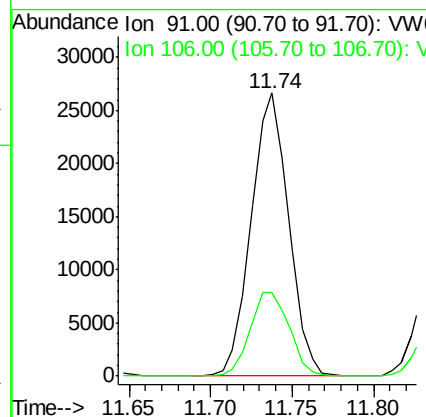
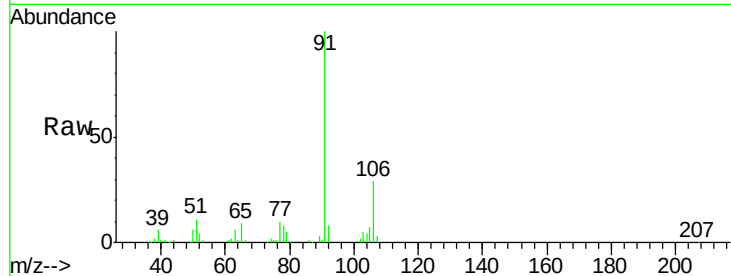
ClientSampled :

Tgt Ion: 91 Resp: 42526

Ion Ratio Lower Upper

91 100

106 29.5 21.3 39.5



#54

m,p-Xylene

Concen: 2.263 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004026.D

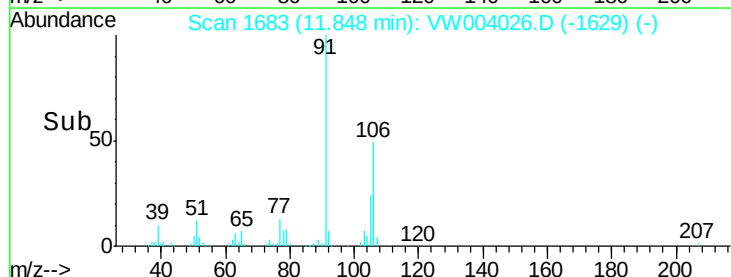
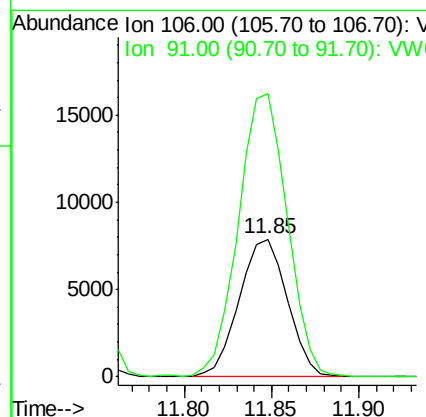
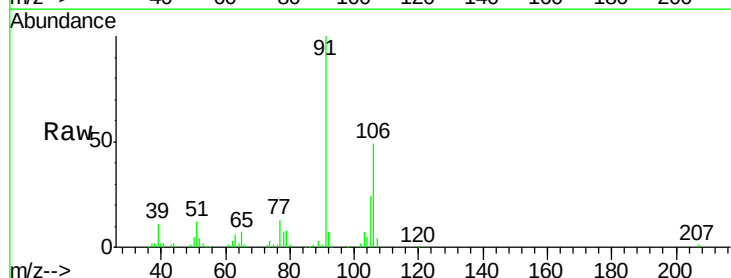
Acq: 18 Jul 2018 19:08

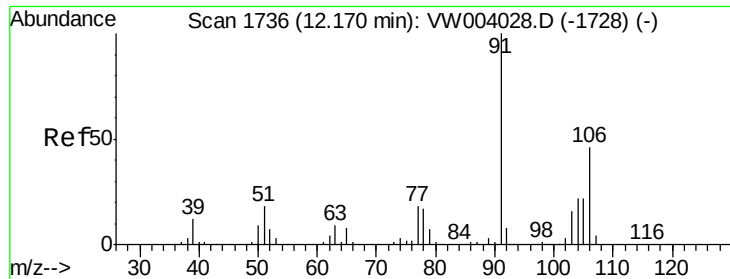
Tgt Ion: 106 Resp: 15093

Ion Ratio Lower Upper

106 100

91 205.6 142.1 263.9

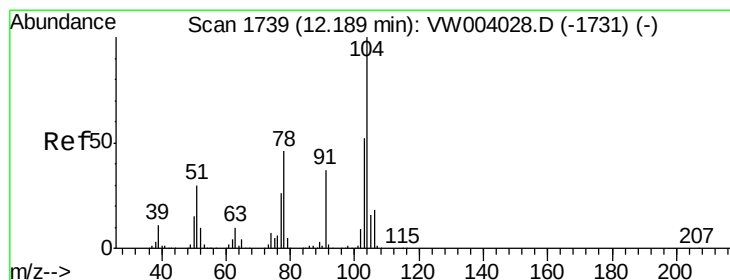
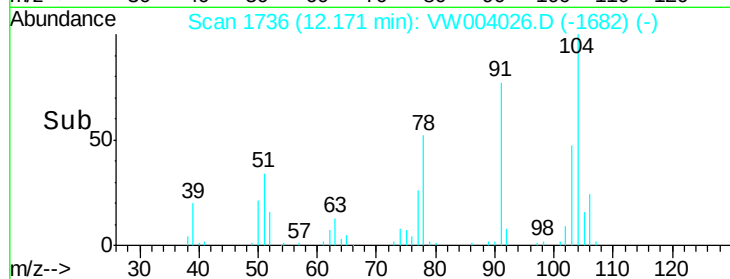
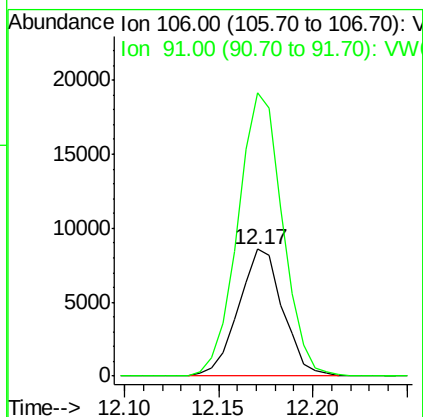
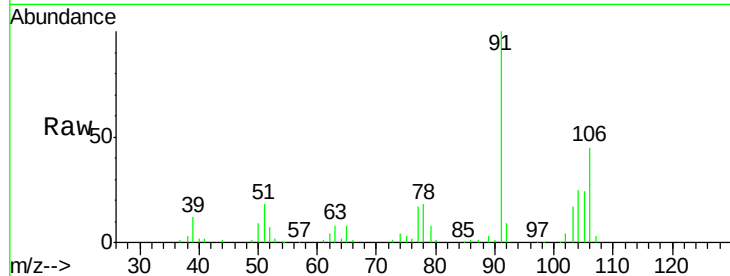




#55
o-xylene
Concen: 2.198 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

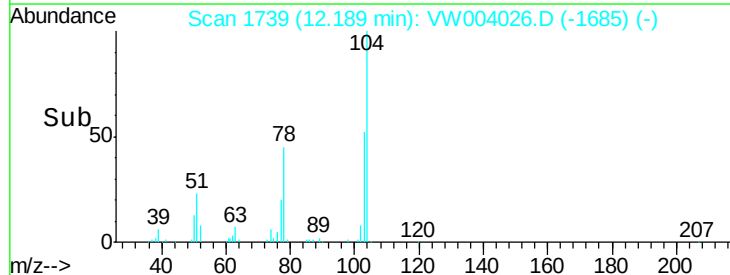
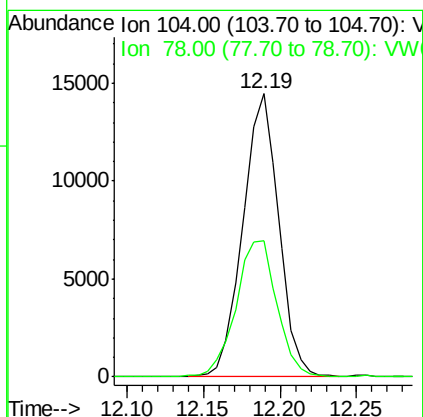
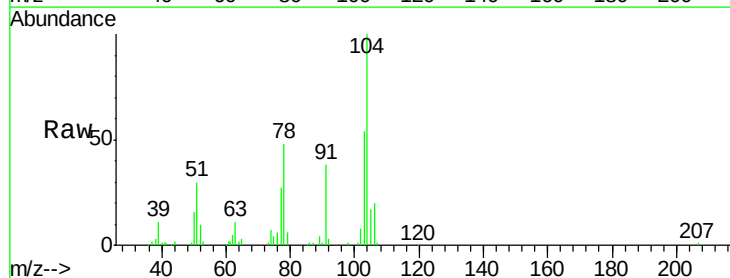
Instrument :
MSVOA_W
ClientSampled :

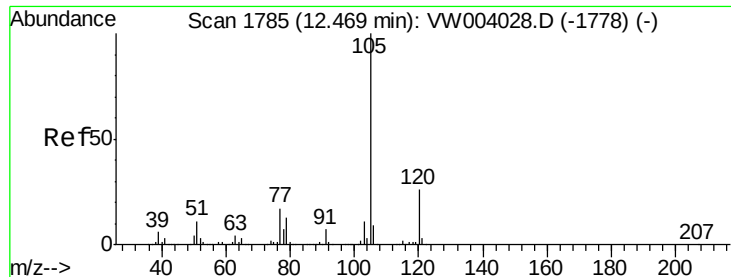
Tgt Ion:106 Resp: 14023
Ion Ratio Lower Upper
106 100
91 223.4 151.3 280.9



#56
Styrene
Concen: 2.141 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004026.D
Acq: 18 Jul 2018 19:08

Tgt Ion:104 Resp: 23592
Ion Ratio Lower Upper
104 100
78 48.3 32.2 59.8





#57

Isopropylbenzene

Concen: 2.159 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

ClientSampleId :

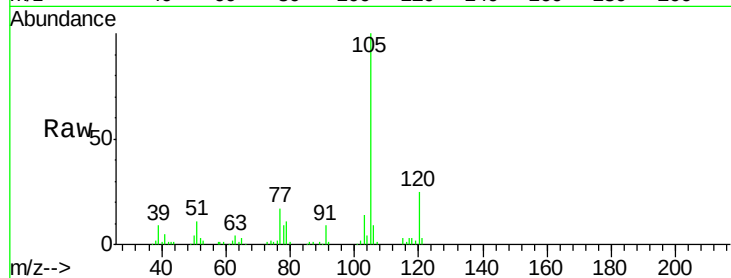
Tgt Ion: 105 Resp: 37764

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

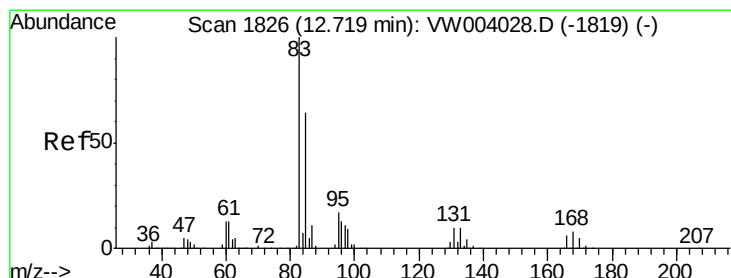
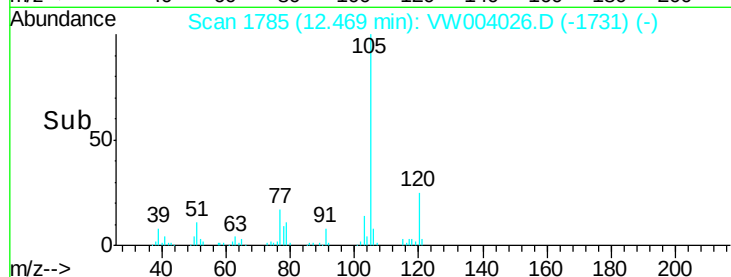
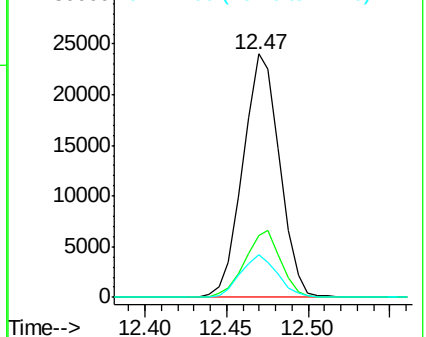
77 17.4 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.870 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

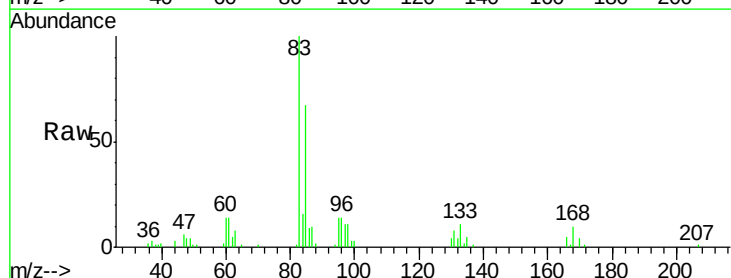
Tgt Ion: 83 Resp: 13785

Ion Ratio Lower Upper

83 100

85 66.9 44.7 83.1

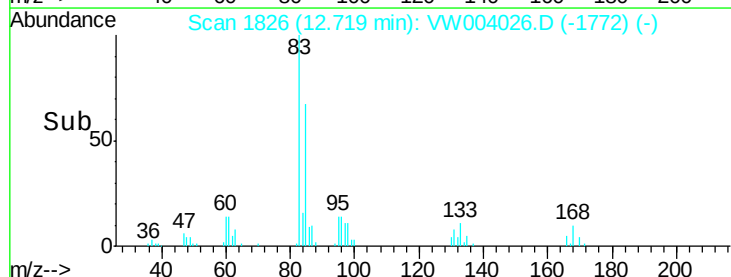
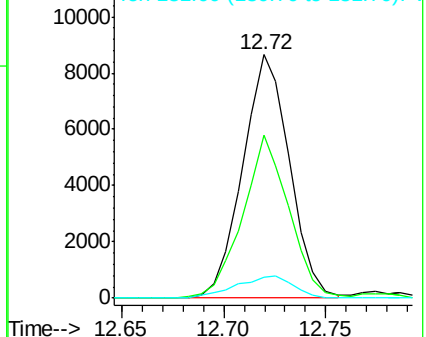
131 8.4 7.8 11.6

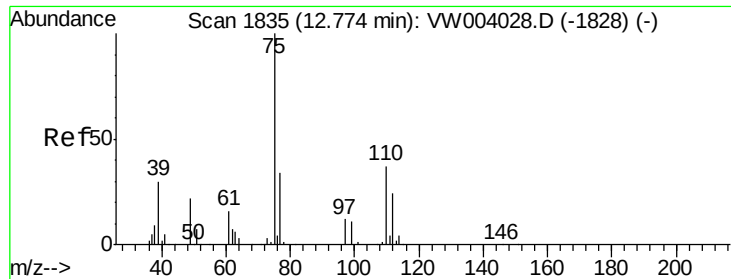


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.855 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

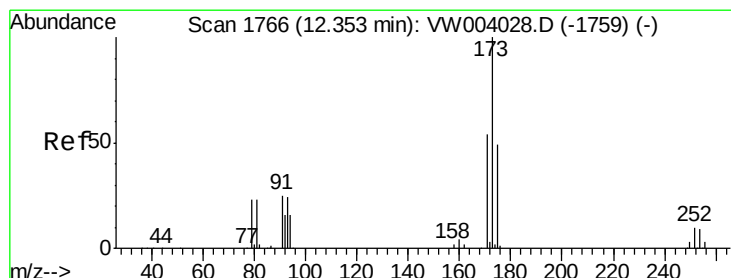
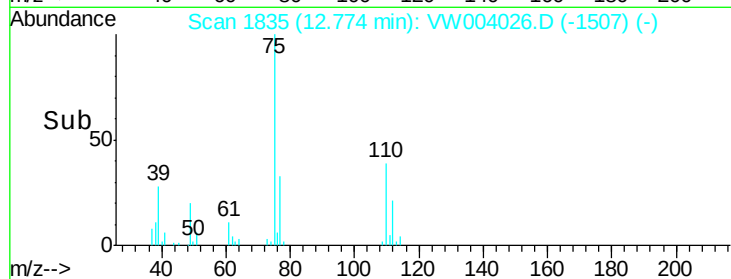
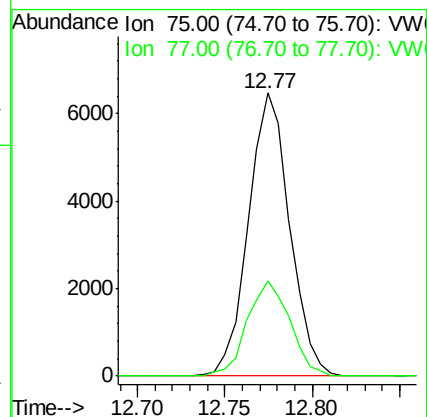
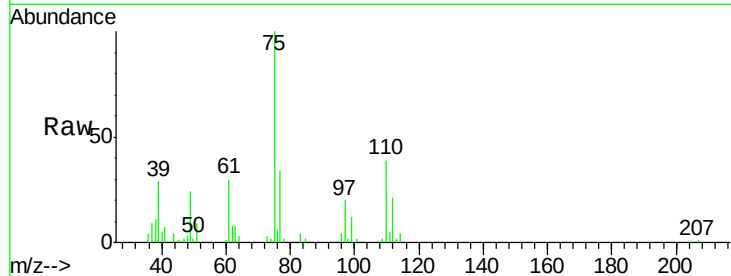
ClientSampled :

Tgt Ion: 75 Resp: 10615

Ion Ratio Lower Upper

75 100

77 34.9 25.4 38.0



#62

Bromoform

Concen: 2.748 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

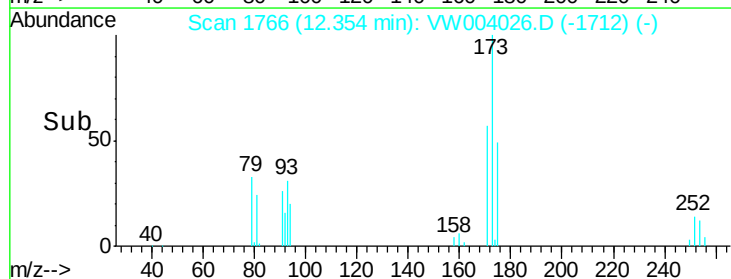
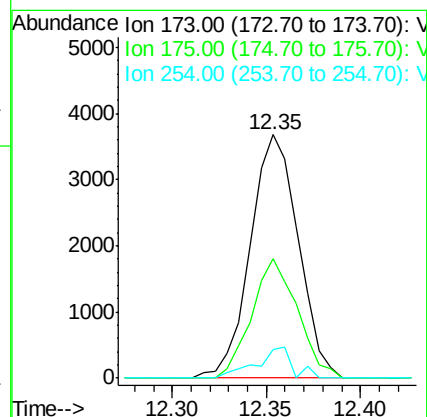
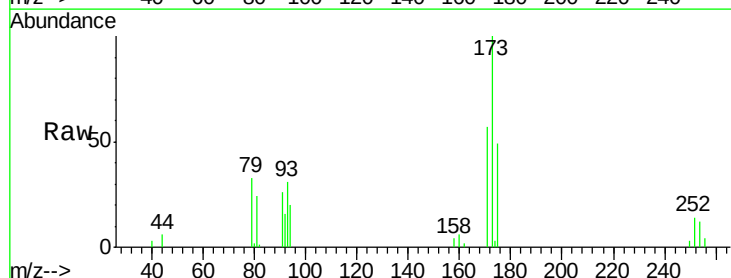
Tgt Ion: 173 Resp: 6476

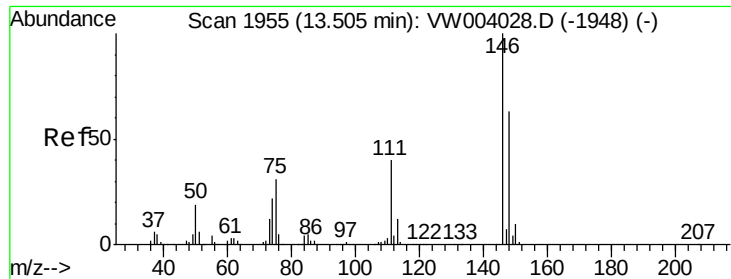
Ion Ratio Lower Upper

173 100

175 46.8 39.4 59.0

254 5.1 7.4 11.2#

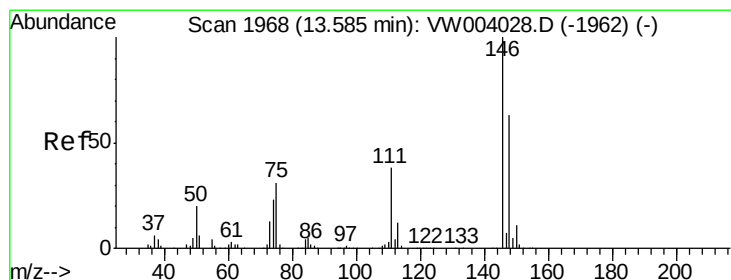
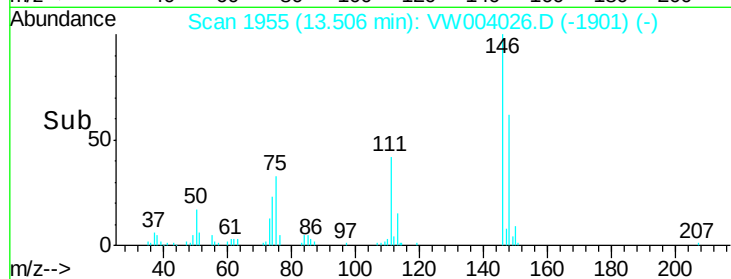
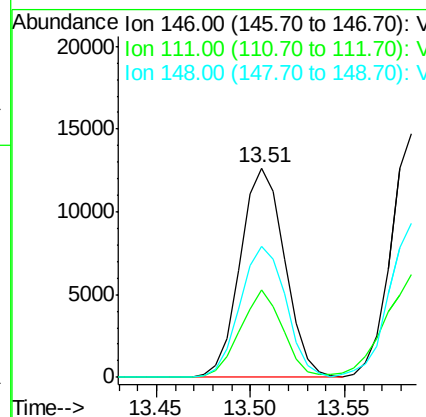
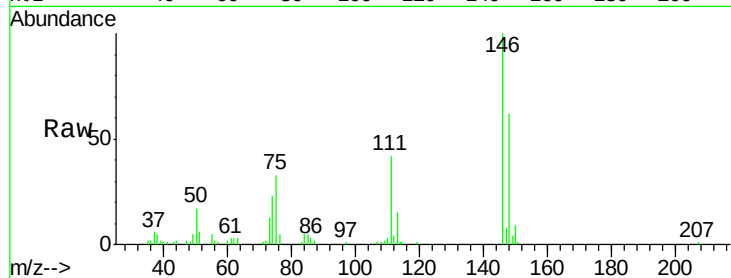




#63
 1,3-Dichlorobenzene
 Concen: 2.693 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

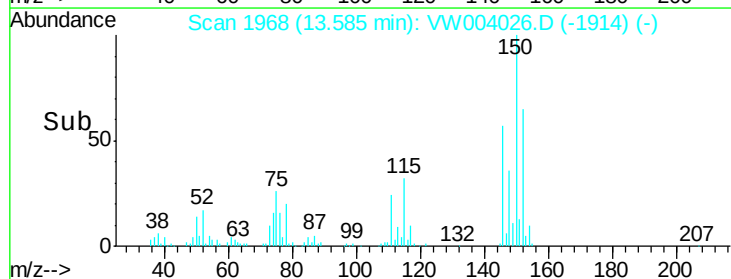
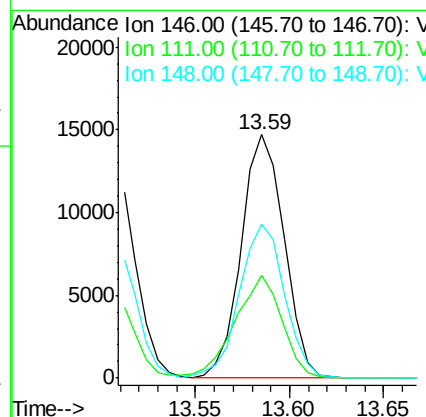
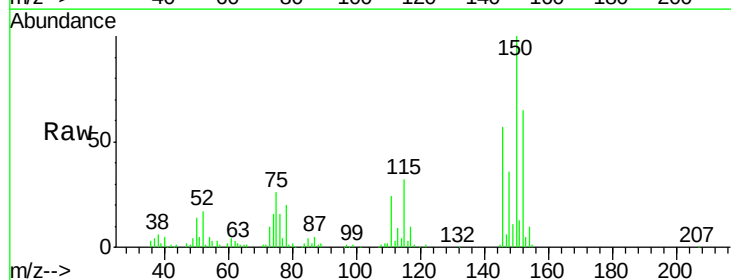
Instrument :
 MSVOA_W
 ClientSampleId :

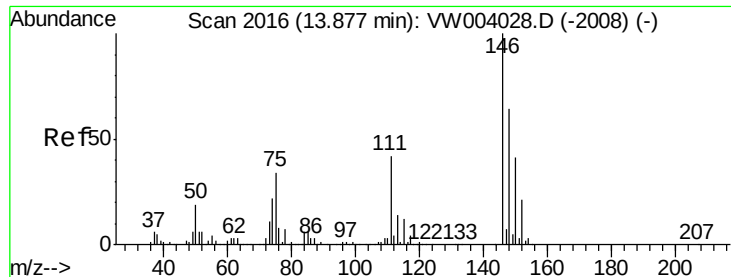
Tgt Ion:146 Resp: 20718
 Ion Ratio Lower Upper
 146 100
 111 41.7 27.9 51.7
 148 62.4 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 2.816 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

Tgt Ion:146 Resp: 23227
 Ion Ratio Lower Upper
 146 100
 111 42.2 26.8 49.8
 148 63.2 44.3 82.3

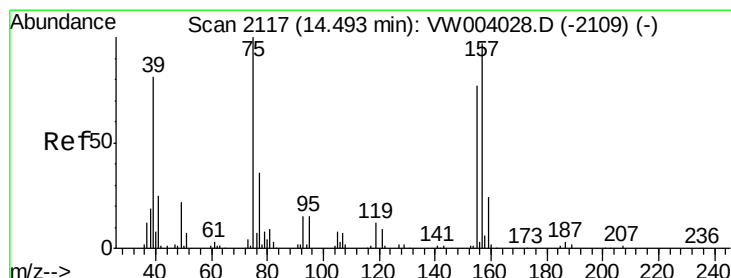
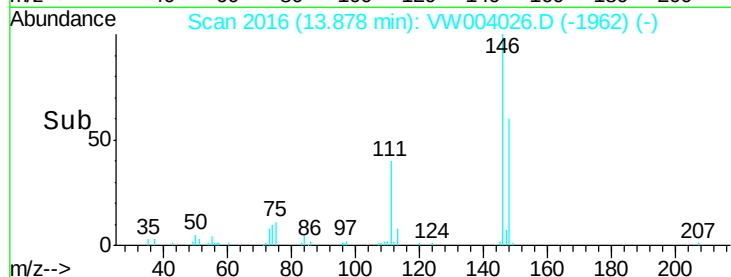
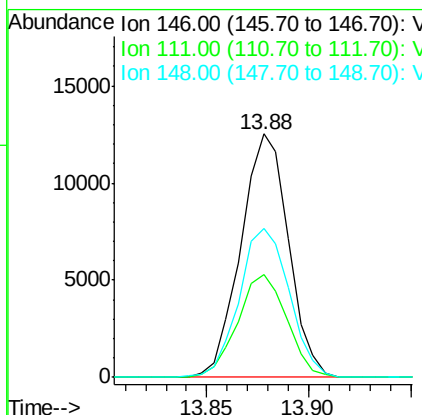
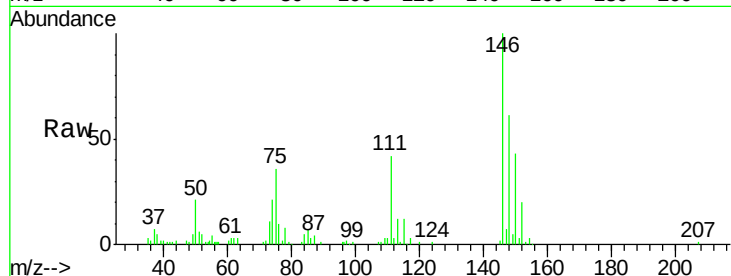




#65
 1,2-Dichlorobenzene
 Concen: 2.714 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

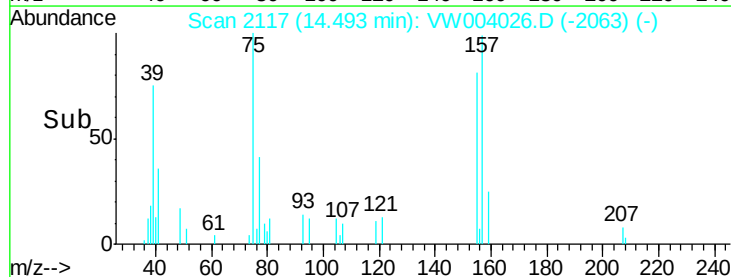
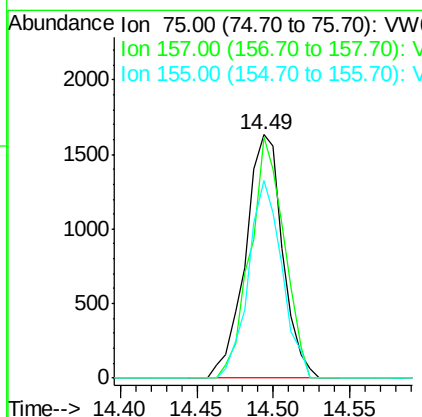
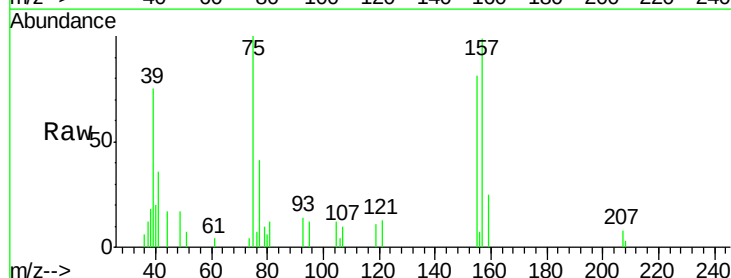
Instrument :
 MSVOA_W
 ClientSampleId :

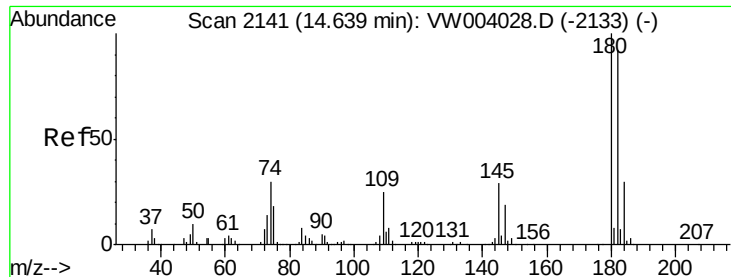
Tgt Ion: 146 Resp: 20344
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.2 49.8
 148 61.0 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.150 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

Tgt Ion: 75 Resp: 2753
 Ion Ratio Lower Upper
 75 100
 157 98.8 77.9 116.9
 155 81.1 61.8 92.8

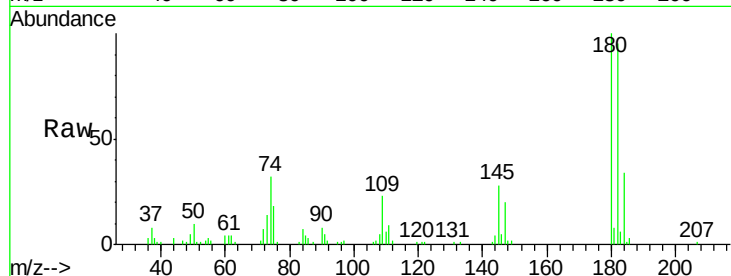




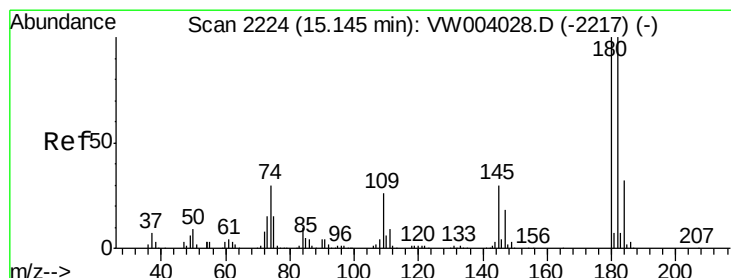
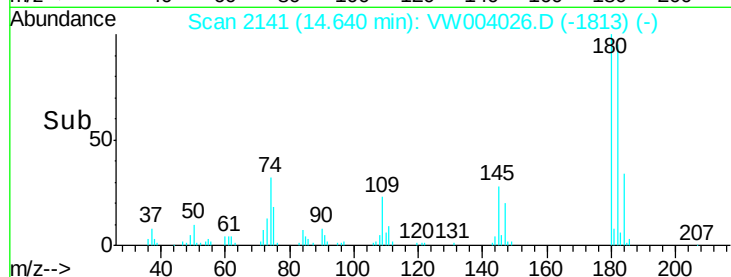
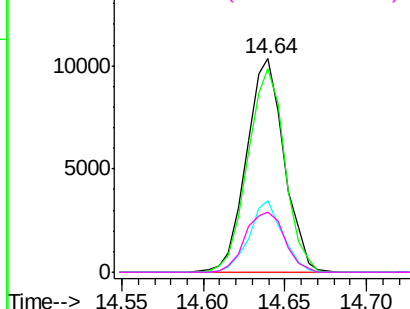
#67
 1,3,5-Trichlorobenzene
 Concen: 2.724 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:180 Resp: 16570
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.5 113.3
 184 29.8 24.0 36.0
 145 29.5 23.3 34.9

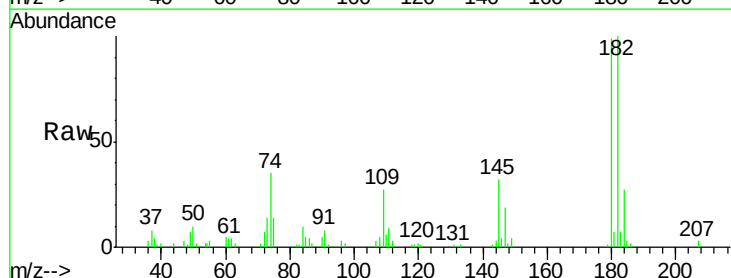


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

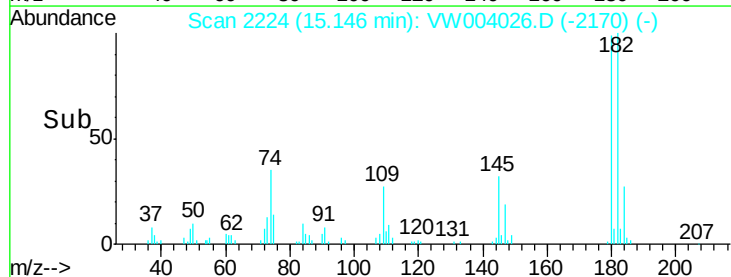
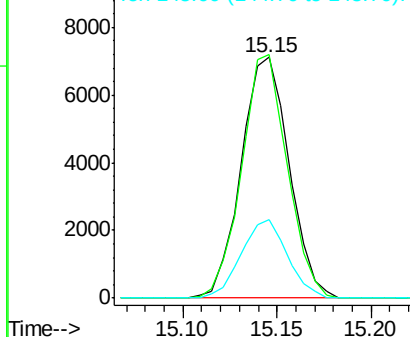


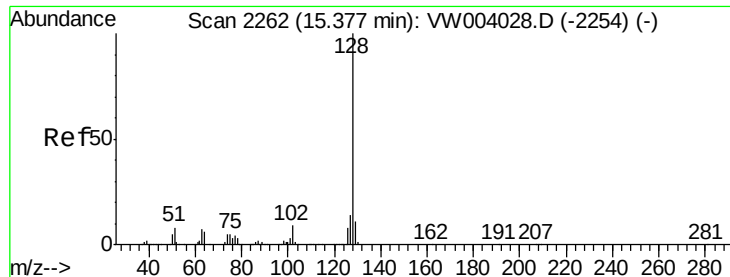
#68
 1,2,4-trichlorobenzene
 Concen: 2.569 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004026.D
 Acq: 18 Jul 2018 19:08

Tgt Ion:180 Resp: 12531
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.8 116.6
 145 31.4 24.4 36.6



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





#69

Naphthalene

Concen: 2.299 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_W

ClientSampleId :

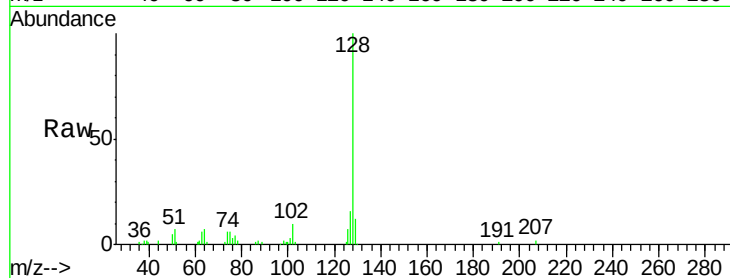
Tgt Ion:128 Resp: 25244

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

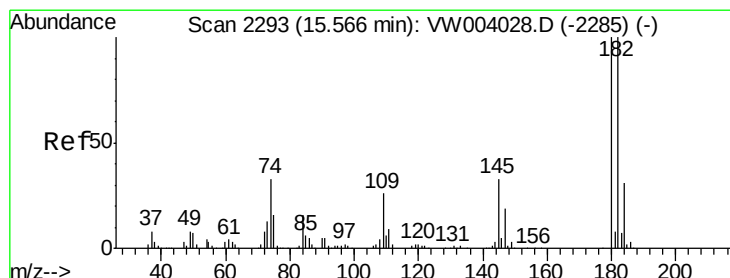
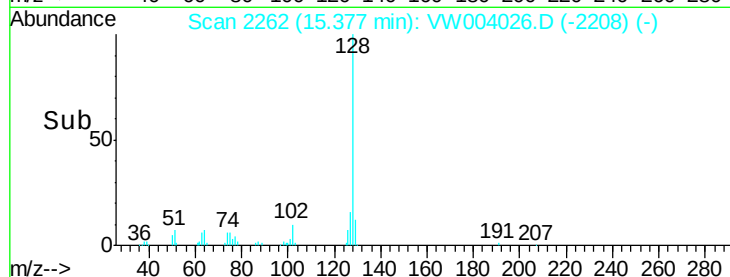
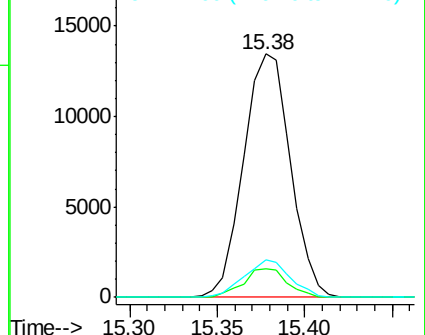
127 15.2 10.9 16.3



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: 2.590 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW004026.D

Acq: 18 Jul 2018 19:08

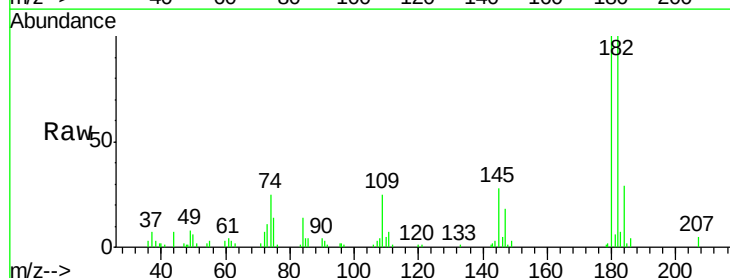
Tgt Ion:180 Resp: 12021

Ion Ratio Lower Upper

180 100

182 99.3 76.6 115.0

145 32.5 25.3 37.9



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

