

Data File : VW004359.D
Acq On : 31 Jul 2018 15:45
Operator : SY/AP
Sample : VSTD00597
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

Quant Time: Jul 31 16:57:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 31 16:55:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	305788	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285528	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	148804	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	10542	3.42	ug/L	0.00
7) Chloroethane-d5	2.89	69	13644	6.09	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	29275	3.98	ug/L	0.00
20) 2-Butanone-d5	7.09	46	10960	6.29	ug/L	0.00
24) Chloroform-d	7.65	84	35210	4.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	19779	4.20	ug/L	0.00
29) Benzene-d6	8.27	84	67242	4.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	19927	3.96	ug/L	0.00
37) Toluene-d8	10.33	98	64942	4.54	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	10043	4.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8627	6.52	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	20630	4.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	27370	4.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	13018	6.400 ug/L	95
3) Chloromethane	2.22	50	14112	4.915 ug/L	89
5) Vinyl chloride	2.37	62	14097	3.679 ug/L	97
6) Bromomethane	2.78	94	13530	6.303 ug/L	97
8) Chloroethane	2.93	64	12302	5.975 ug/L	99
9) Trichlorofluoromethane	3.26	101	13874	7.482 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	17260	4.724 ug/L	96
12) 1,1-Dichloroethene	4.03	96	15977	4.518 ug/L	97
13) Acetone	4.13	43	10615	6.032 ug/L	96
14) Carbon disulfide	4.38	76	43217	3.796 ug/L	100
15) Methyl Acetate	4.68	43	9439	3.225 ug/L	98
16) Methylene chloride	4.92	84	24052	5.610 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	27484	3.915 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	18872	5.067 ug/L	97
19) 1,1-Dichloroethane	6.21	63	31180	4.298 ug/L	100
21) 2-Butanone	7.18	43	14549	6.559 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	21027	5.078 ug/L	97
23) Bromochloromethane	7.51	128	10395	5.303 ug/L	87
25) Chloroform	7.68	83	35914	4.828 ug/L	100
27) 1,2-Dichloroethane	8.41	62	24415	4.462 ug/L	100
30) Cyclohexane	7.95	56	28227	4.468 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	29637	5.143 ug/L	97
32) Carbon tetrachloride	8.07	117	28251	5.041 ug/L	98
34) Benzene	8.33	78	75482	4.598 ug/L	100
35) Trichloroethene	9.09	95	20701	4.794 ug/L	99
36) Methylcyclohexane	9.34	83	35218	4.880 ug/L	95
40) 1,2-Dichloropropane	9.37	63	18587	4.170 ug/L	99
41) Bromodichloromethane	9.65	83	24536	4.458 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	29272	4.515 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	25666	6.464 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Tue Jul 31 16:55:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	82860	4.776	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	26553	4.466	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	16470	4.760	ug/L	95
47) Tetrachloroethene	10.87	164	18157	5.256	ug/L	91
49) 2-Hexanone	10.98	43	18967	6.097	ug/L	99
50) Dibromochloromethane	11.13	129	19417	4.920	ug/L	98
51) 1,2-Dibromoethane	11.24	107	15679	4.647	ug/L	94
52) Chlorobenzene	11.66	112	56785	5.136	ug/L	98
53) Ethylbenzene	11.74	91	94493	5.048	ug/L	99
54) m,p-Xylene	11.85	106	36123	5.130	ug/L	94
55) o-xylene	12.17	106	33136	5.028	ug/L	100
56) Styrene	12.19	104	58147	5.091	ug/L	97
57) Isopropylbenzene	12.47	105	95180	5.316	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	20814	4.219	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	16268	4.290	ug/L	98
62) Bromoform	12.35	173	12926	4.838	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	47489	5.424	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	48700	5.268	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	44316	5.195	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3721	3.884	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	38882	5.741	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	32485	5.881	ug/L	97
69) Naphthalene	15.38	128	68554	5.402	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	31490	5.893	ug/L	95

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

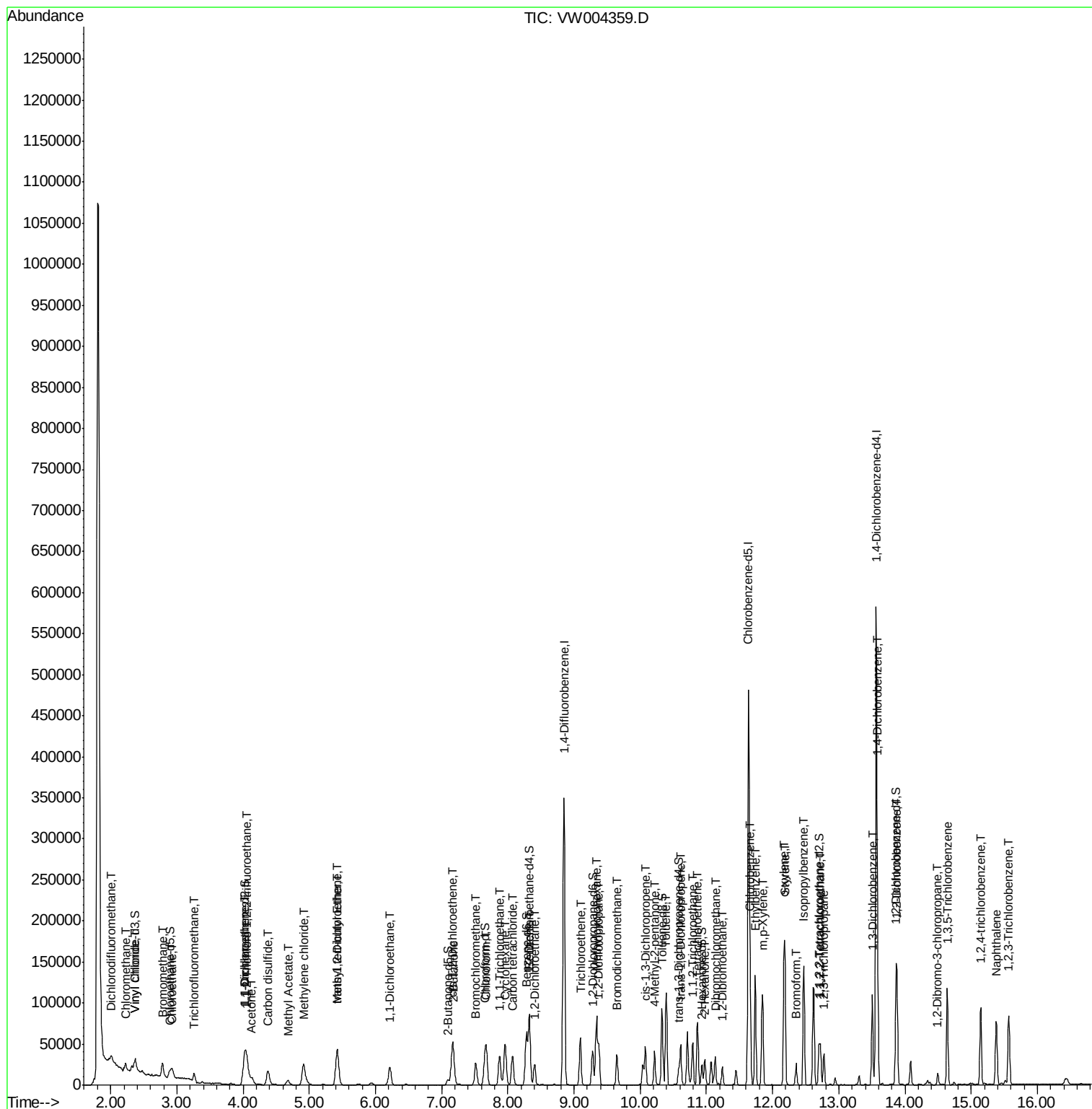
Quant Time: Jul 31 16:57:46 2018

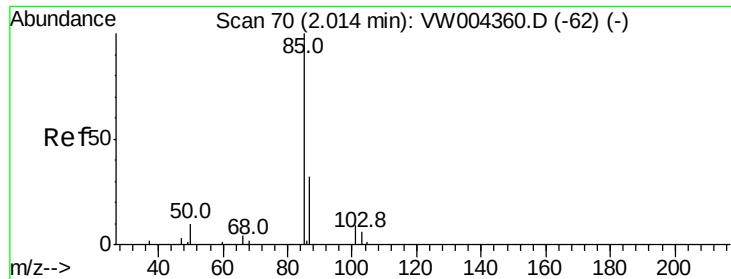
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 6.400 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

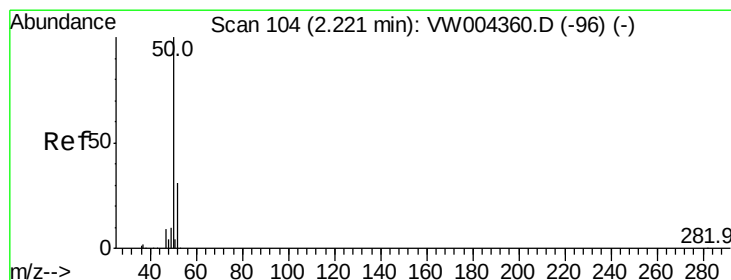
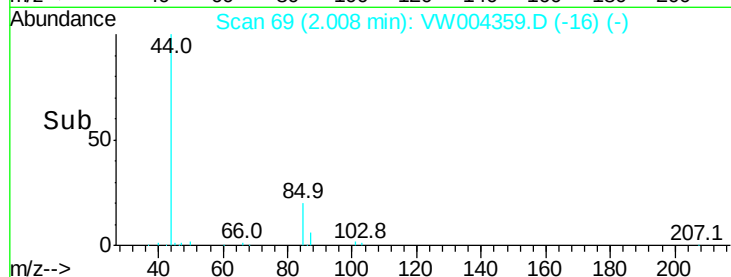
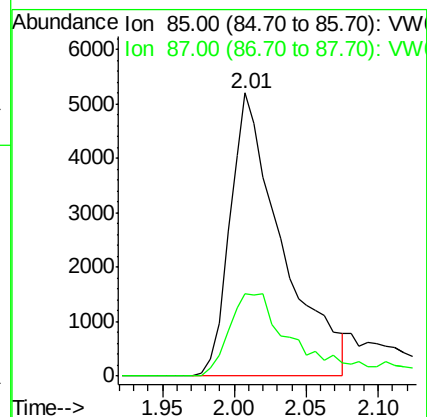
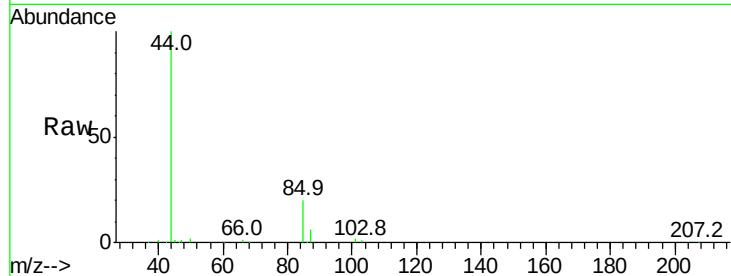
VSTD00597

Tgt Ion: 85 Resp: 13018

Ion Ratio Lower Upper

85 100

87 34.4 22.1 41.1



#3

Chloromethane

Concen: 4.915 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW004359.D

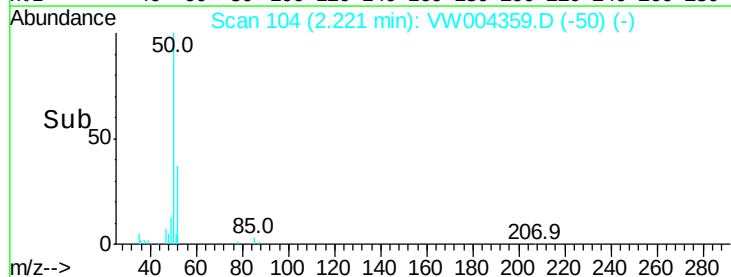
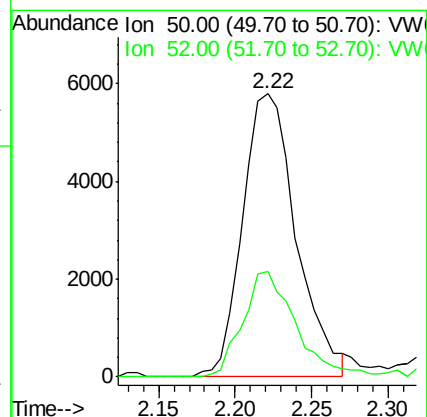
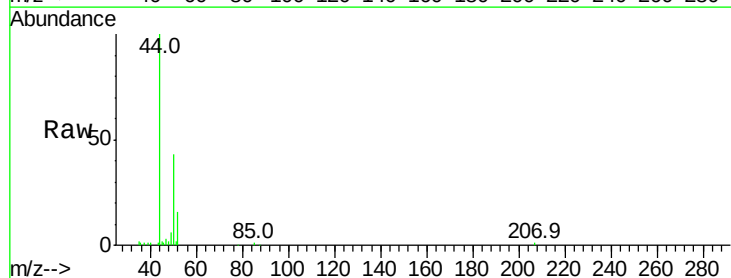
Acq: 31 Jul 2018 15:45

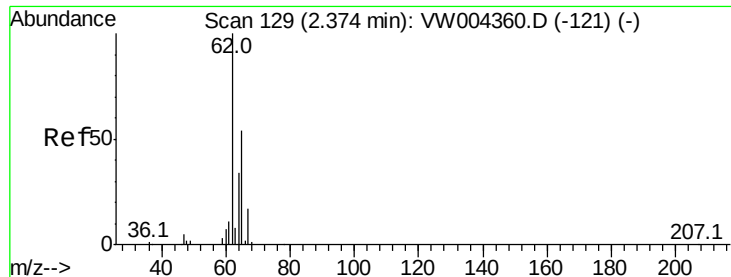
Tgt Ion: 50 Resp: 14112

Ion Ratio Lower Upper

50 100

52 37.1 21.6 40.0





#5

Vinyl chloride

Concen: 3.679 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

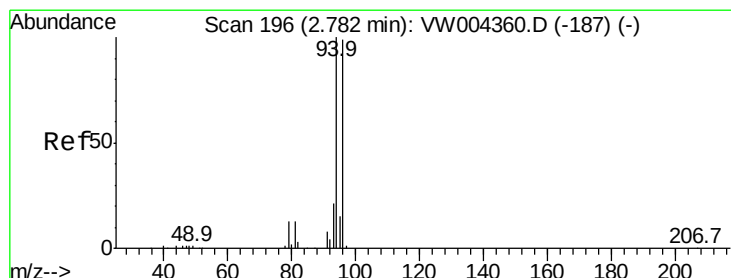
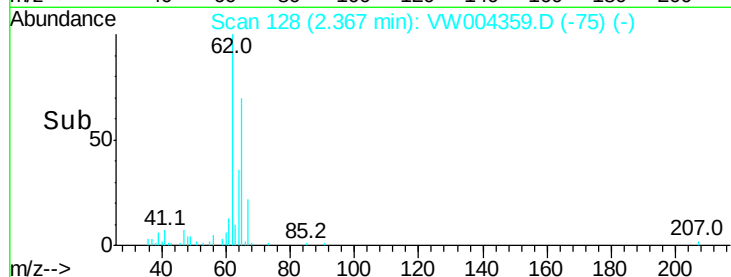
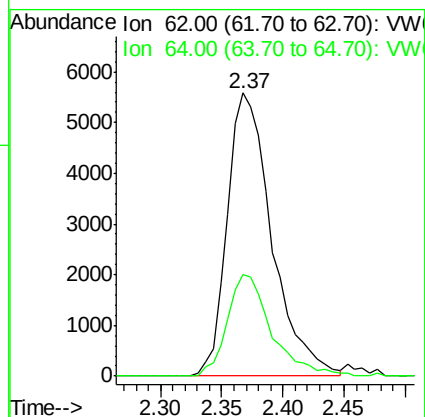
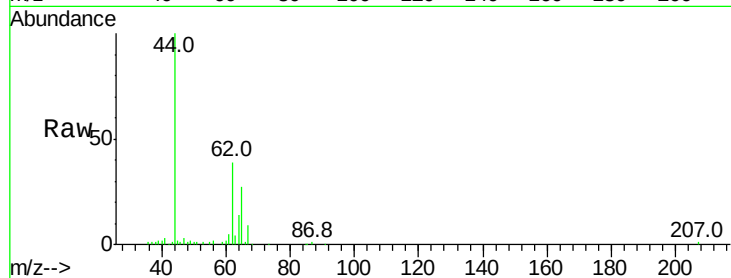
VSTD00597

Tgt Ion: 62 Resp: 14097

Ion Ratio Lower Upper

62 100

64 35.8 23.9 44.5



#6

Bromomethane

Concen: 6.303 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004359.D

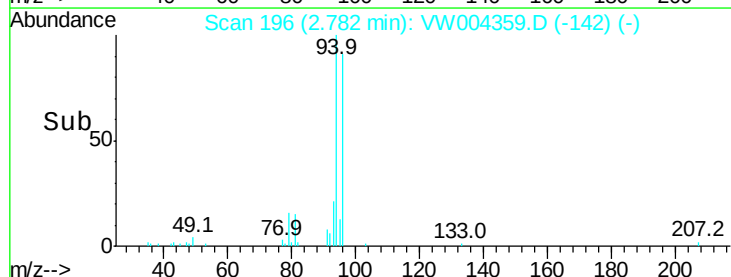
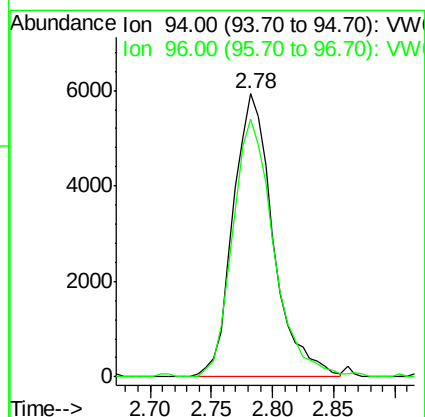
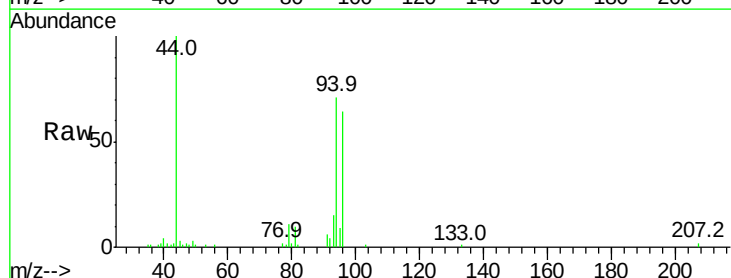
Acq: 31 Jul 2018 15:45

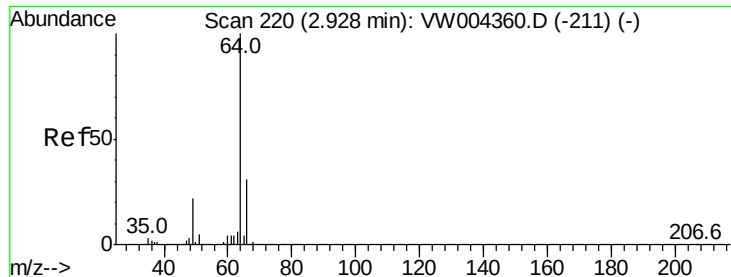
Tgt Ion: 94 Resp: 13530

Ion Ratio Lower Upper

94 100

96 92.7 9.5 181.1





#8

Chloroethane

Concen: 5.975 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

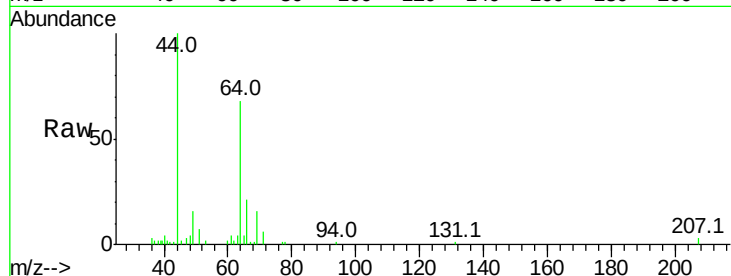
VSTD00597

Tgt Ion: 64 Resp: 12302

Ion Ratio Lower Upper

64 100

66 31.3 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

5000

4000

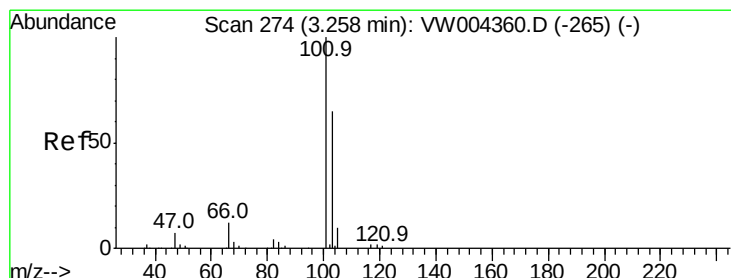
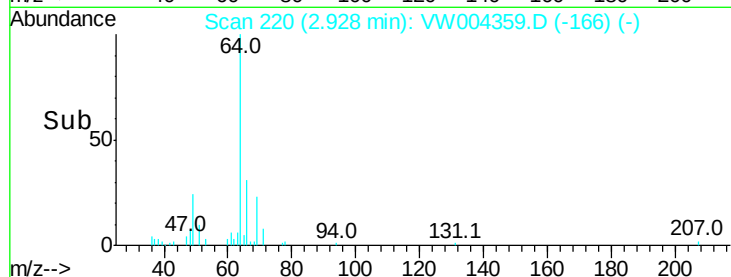
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 7.482 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004359.D

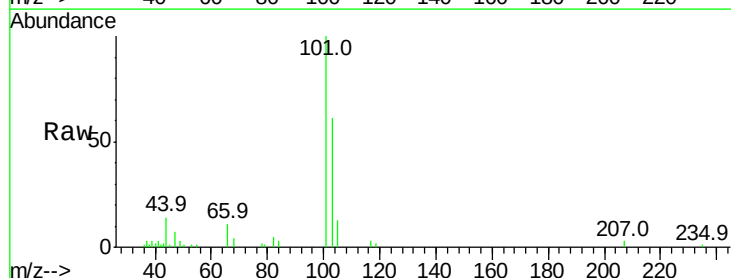
Acq: 31 Jul 2018 15:45

Tgt Ion: 101 Resp: 13874

Ion Ratio Lower Upper

101 100

103 65.4 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

6000

5000

4000

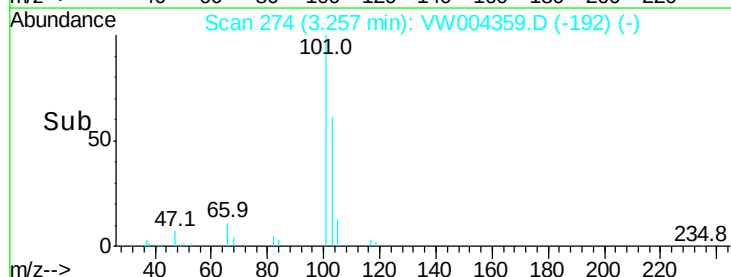
3000

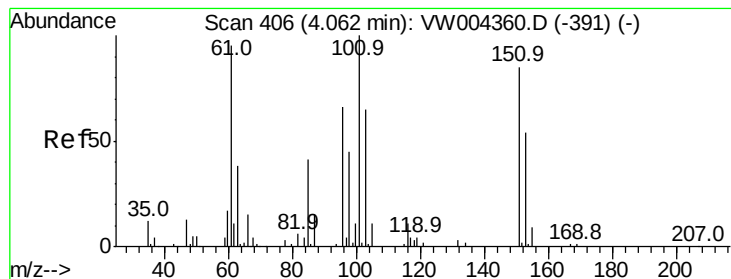
2000

1000

0

Time-->





#11

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

Concen: 4.724 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

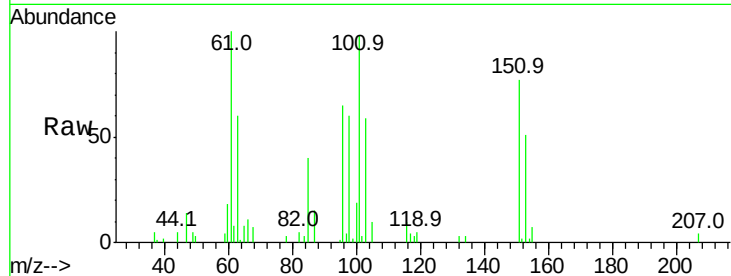
Tgt Ion:101 Resp: 17260

Ion Ratio Lower Upper

101 100

85 43.0 32.4 48.6

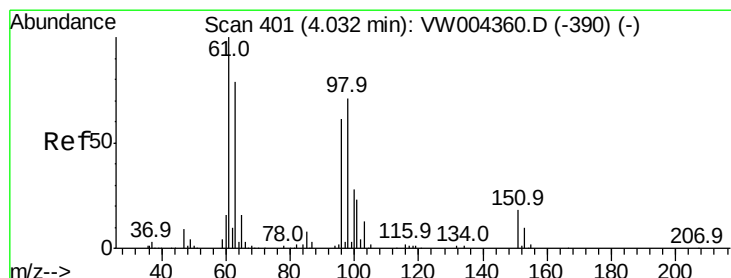
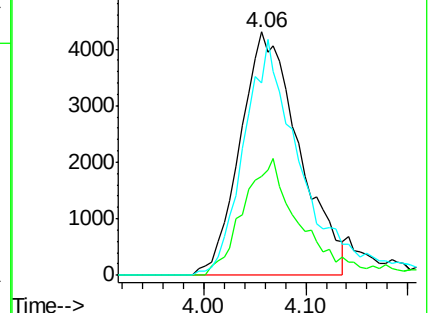
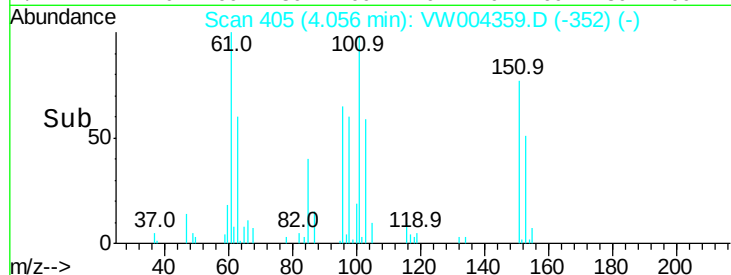
151 82.3 69.2 103.8



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: 4.518 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

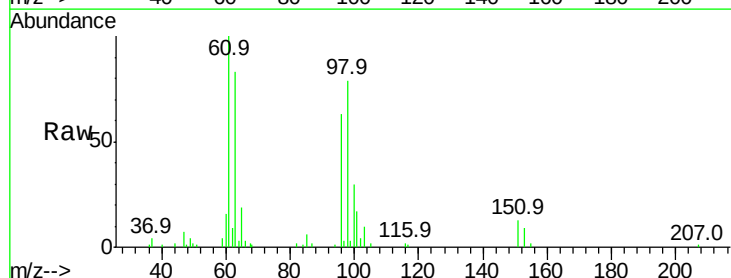
Tgt Ion: 96 Resp: 15977

Ion Ratio Lower Upper

96 100

61 160.0 115.4 214.4

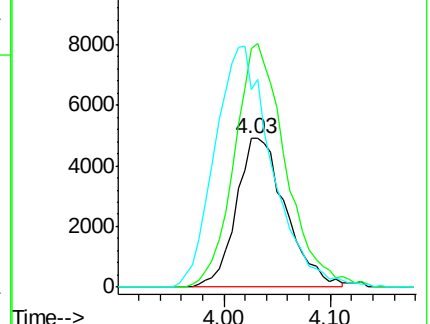
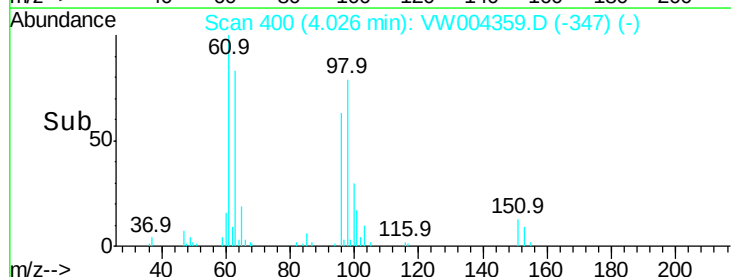
63 132.7 94.4 175.2

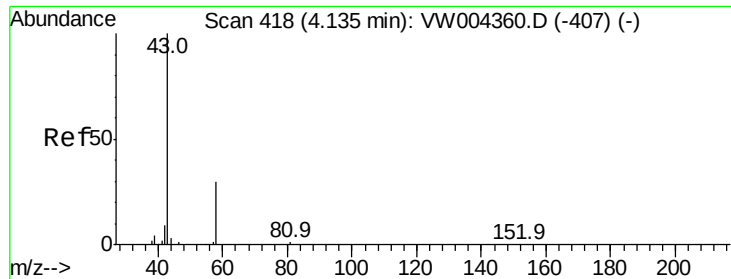


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.032 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

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ClientSampleId :

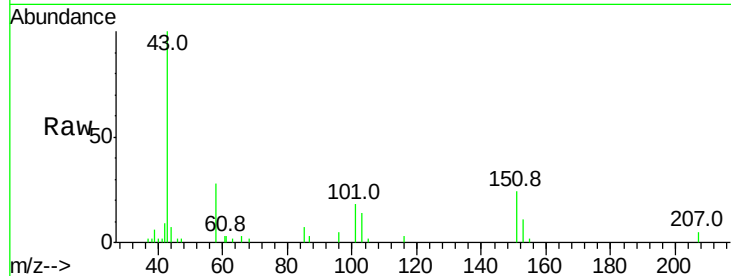
VSTD00597

Tgt Ion: 43 Resp: 10615

Ion Ratio Lower Upper

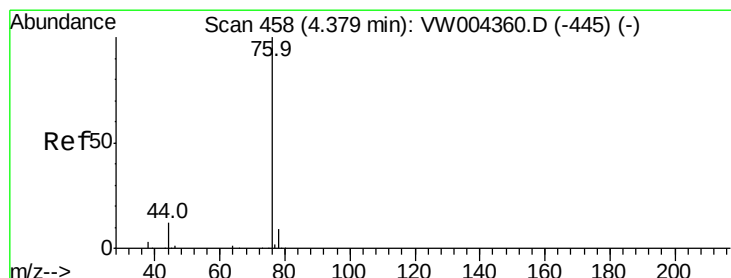
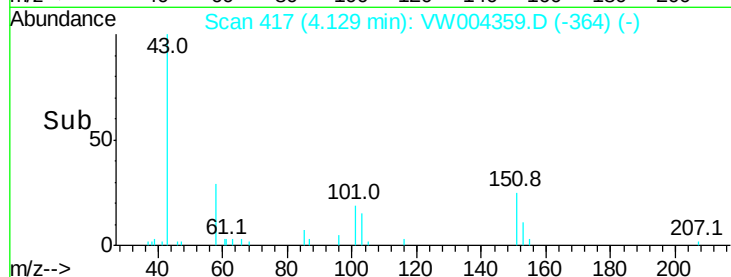
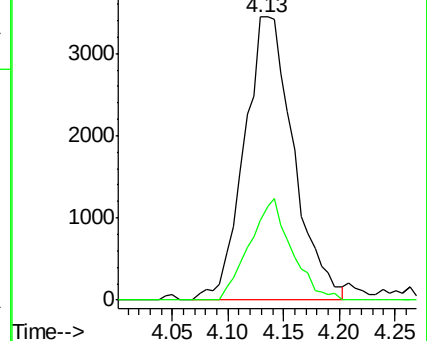
43 100

58 30.3 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 3.796 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004359.D

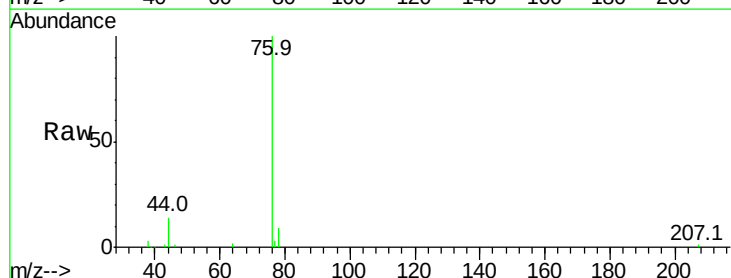
Acq: 31 Jul 2018 15:45

Tgt Ion: 76 Resp: 43217

Ion Ratio Lower Upper

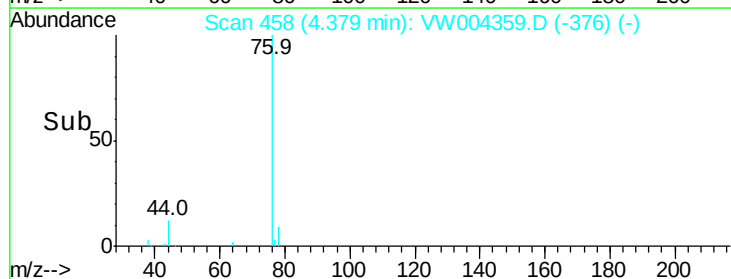
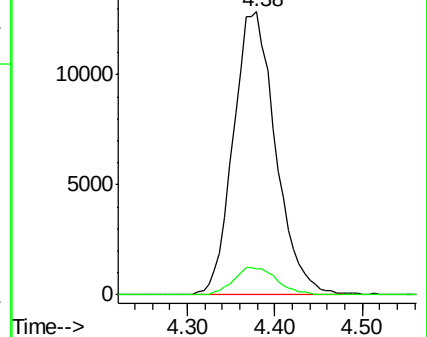
76 100

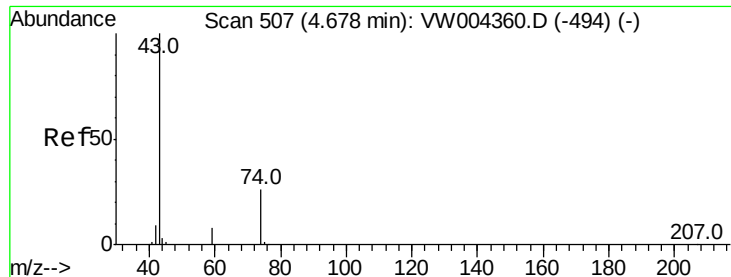
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

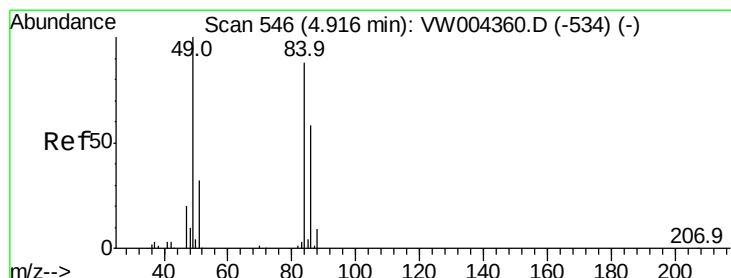
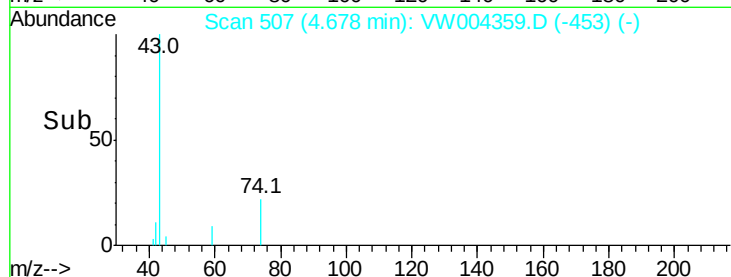
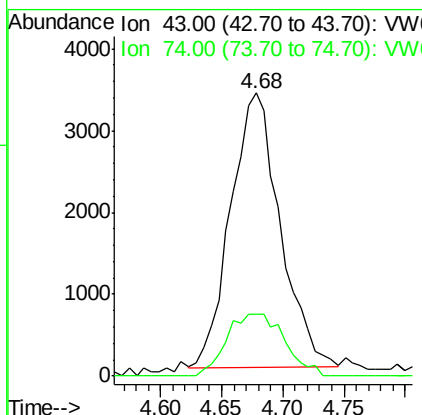
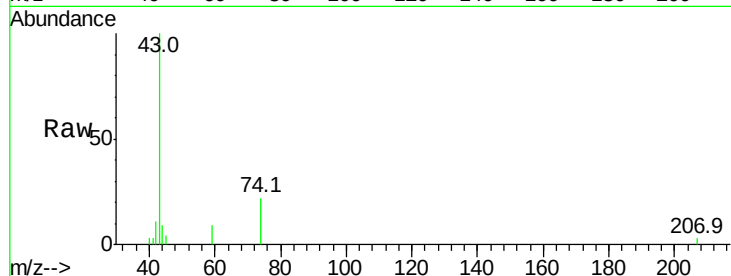




#15
Methyl Acetate
Concen: 3.225 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

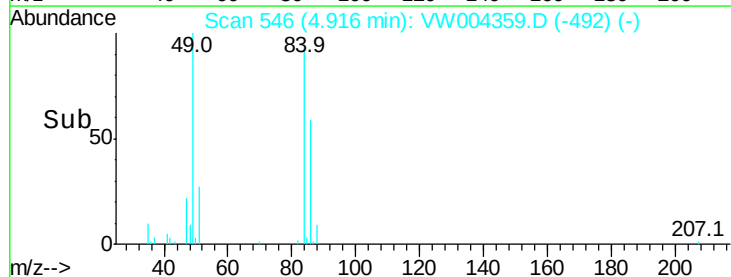
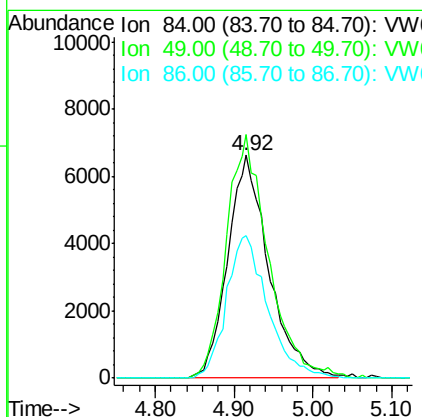
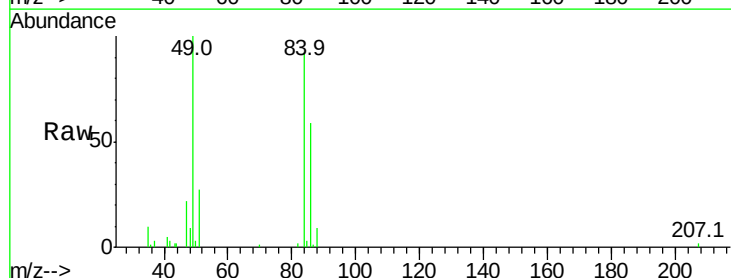
Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

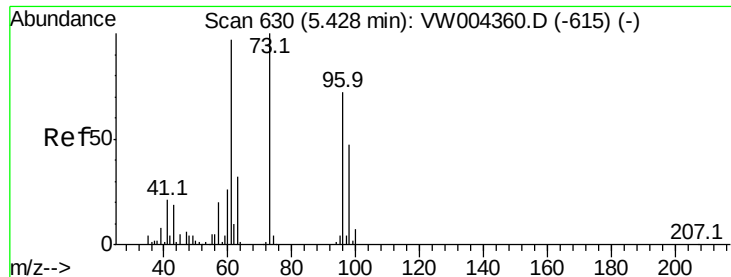
Tgt Ion: 43 Resp: 9439
Ion Ratio Lower Upper
43 100
74 26.6 20.6 31.0



#16
Methylene chloride
Concen: 5.610 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Tgt Ion: 84 Resp: 24052
Ion Ratio Lower Upper
84 100
49 109.2 79.5 147.7
86 64.1 45.8 85.2

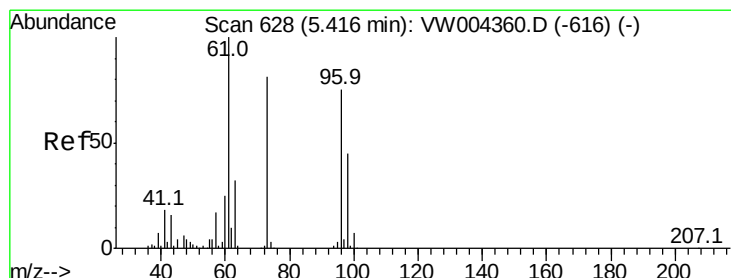
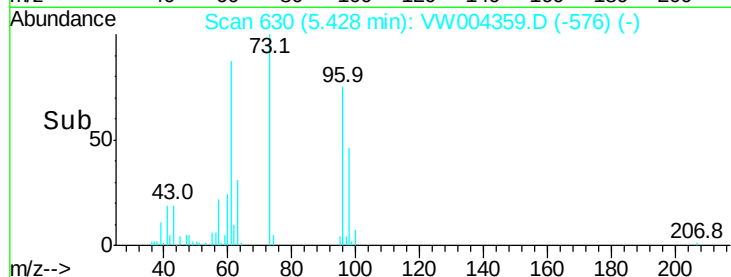
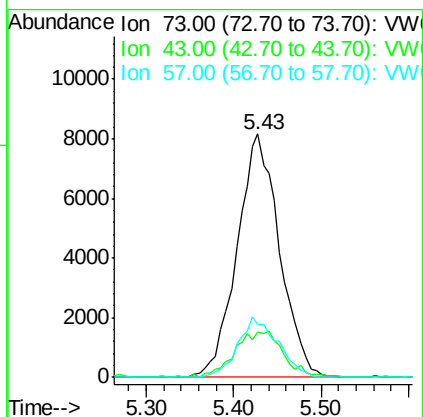
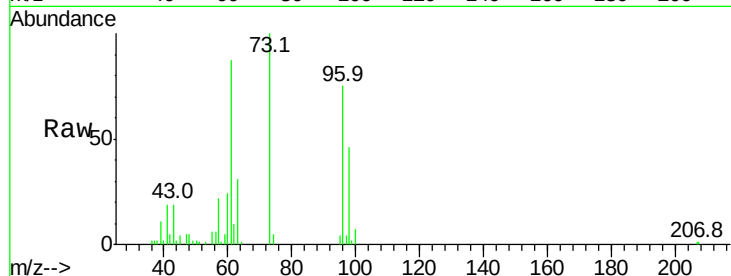




#17
Methyl tert-butyl Ether
Concen: 3.915 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

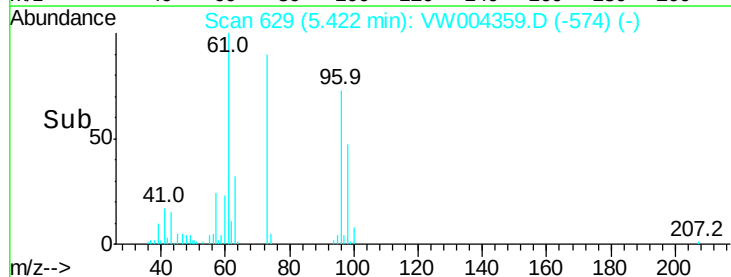
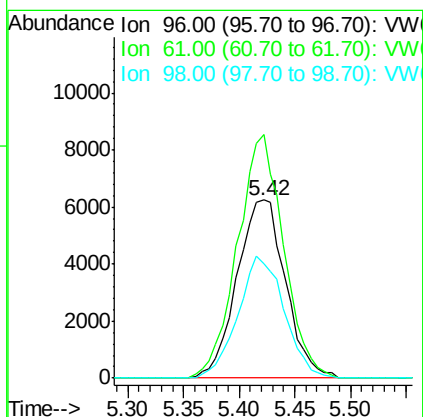
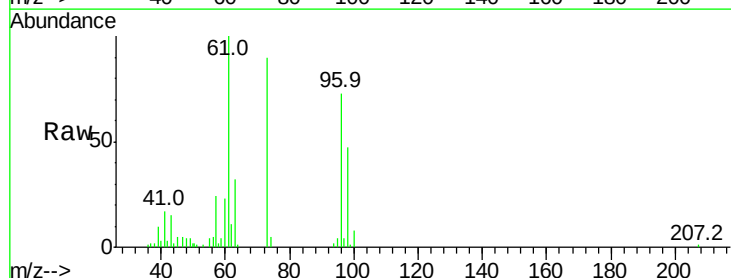
Instrument :
MSVOA_W
ClientSampled :
VSTD00597

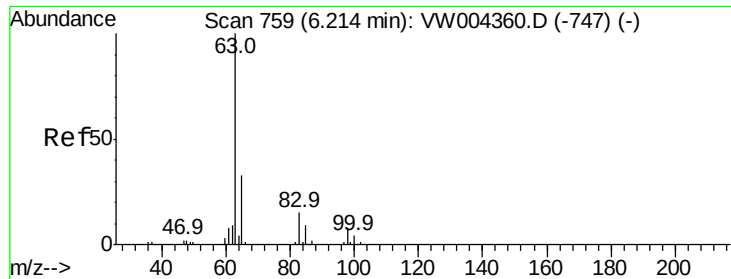
Tgt Ion: 73 Resp: 27484
Ion Ratio Lower Upper
73 100
43 20.4 15.1 22.7
57 23.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.067 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Tgt Ion: 96 Resp: 18872
Ion Ratio Lower Upper
96 100
61 136.8 93.7 174.1
98 63.9 41.9 77.7

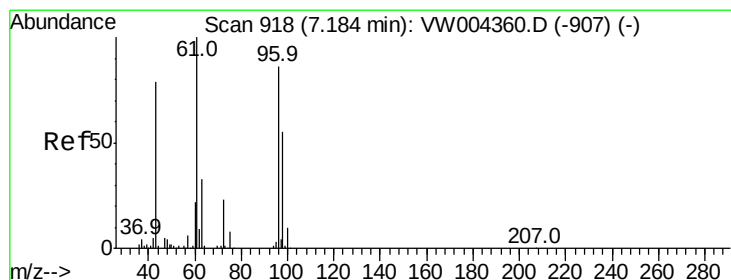
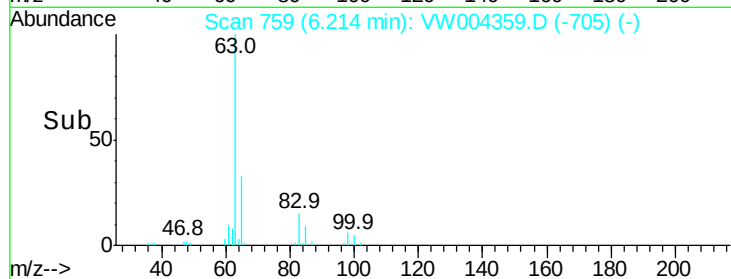
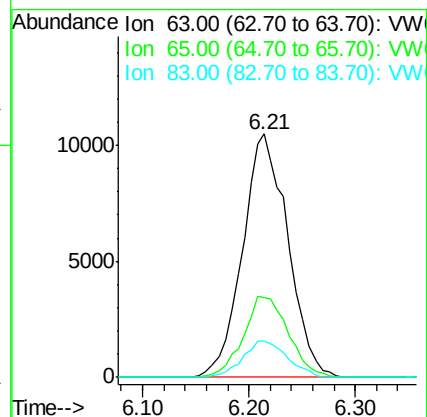
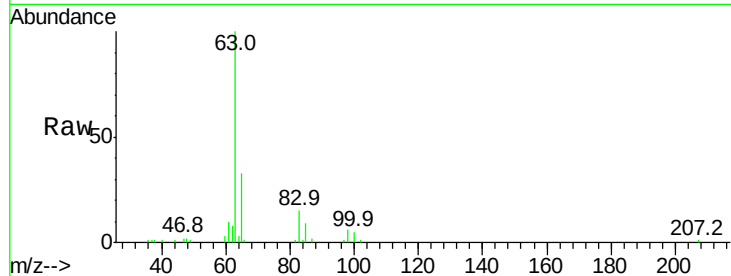




#19
 1,1-Dichloroethane
 Concen: 4.298 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

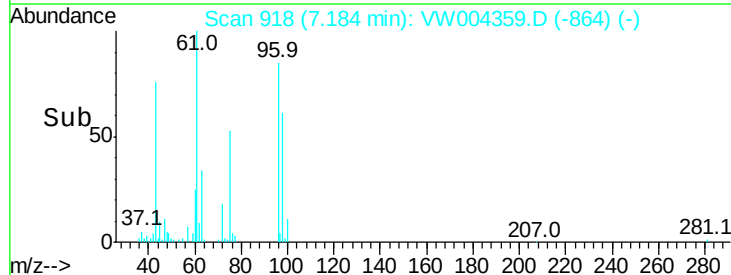
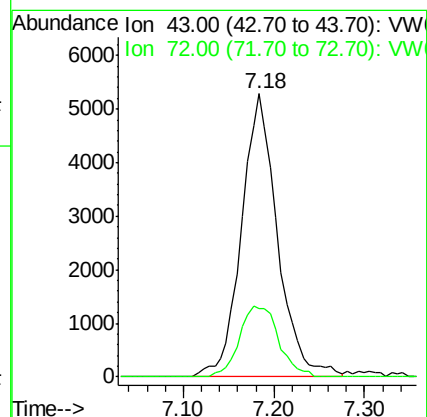
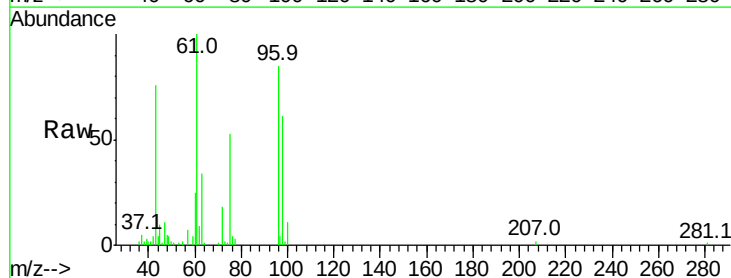
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00597

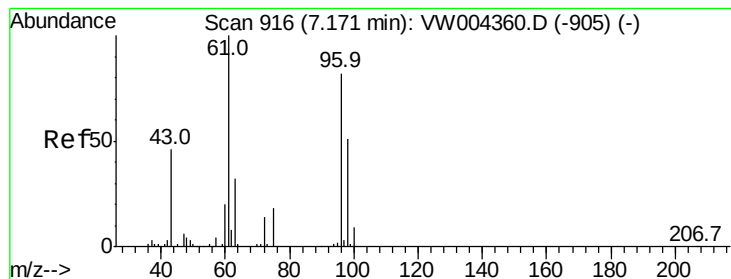
Tgt Ion: 63 Resp: 31180
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.0 42.8
 83 14.8 10.3 19.1



#21
 2-Butanone
 Concen: 6.559 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion: 43 Resp: 14549
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.4 43.2



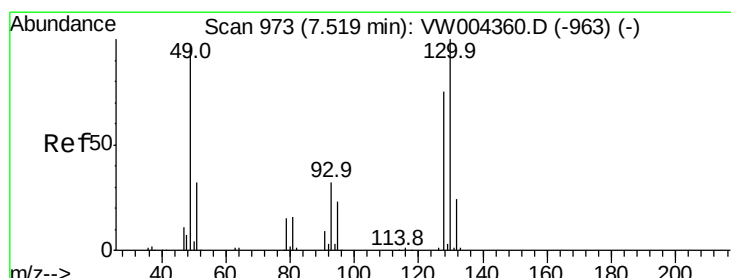
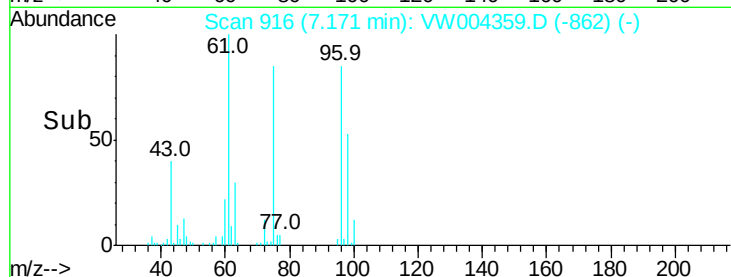
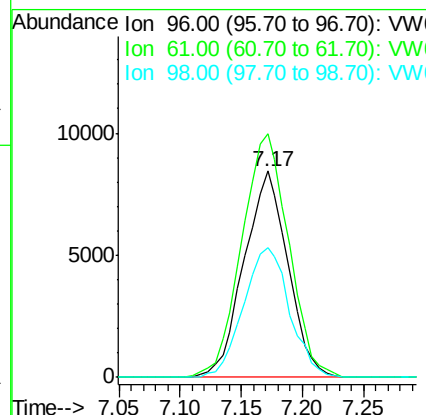
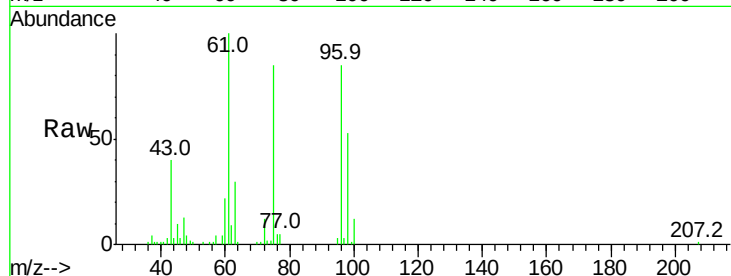


#22

cis-1,2-Dichloroethene
Concen: 5.078 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

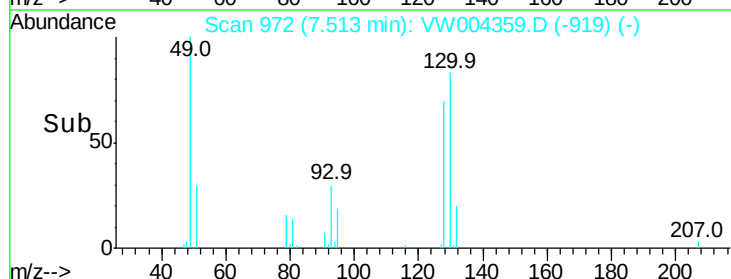
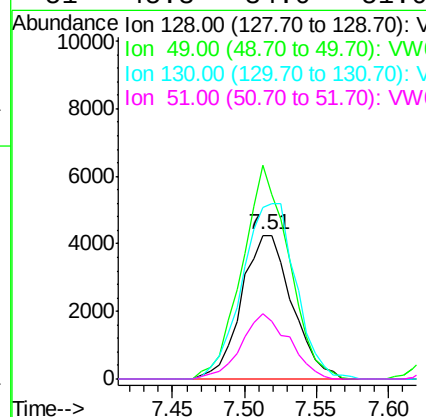
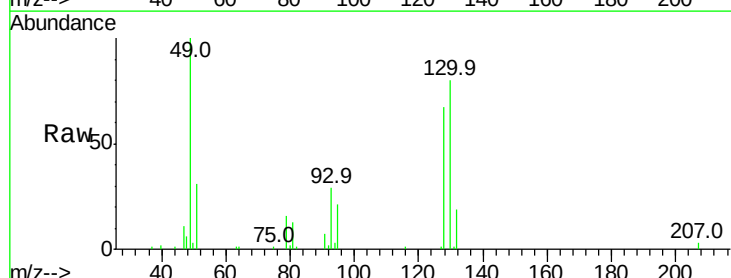
Tgt Ion: 96 Resp: 21027
Ion Ratio Lower Upper
96 100
61 118.2 85.7 159.1
98 62.9 43.8 81.3

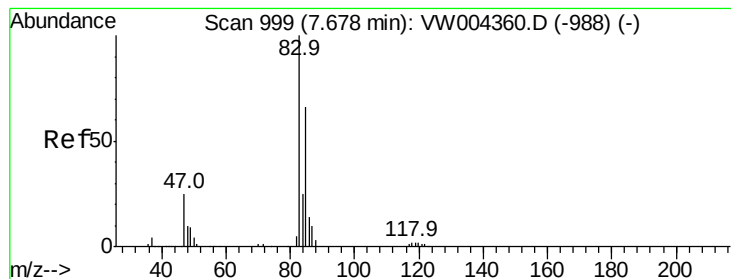


#23

Bromochloromethane
Concen: 5.303 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Tgt Ion: 128 Resp: 10395
Ion Ratio Lower Upper
128 100
49 148.3 90.9 168.7
130 119.1 93.8 174.2
51 45.3 34.0 51.0





#25

Chloroform

Concen: 4.828 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

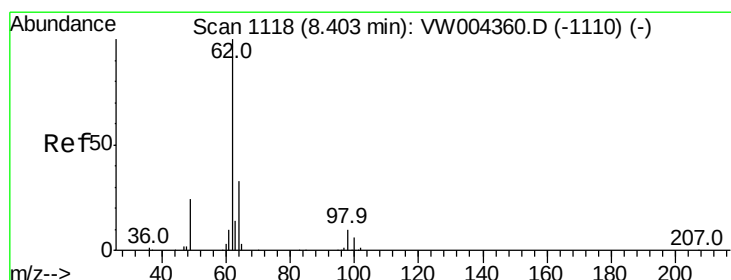
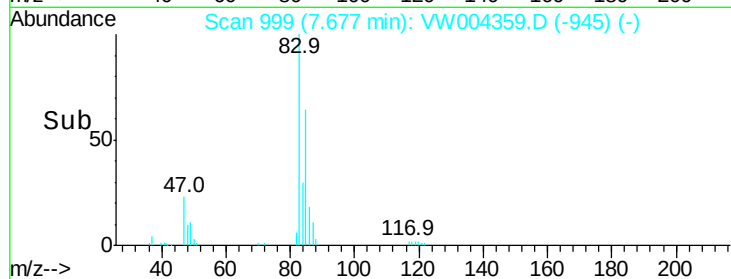
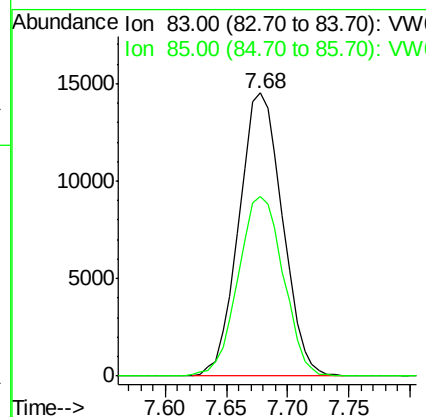
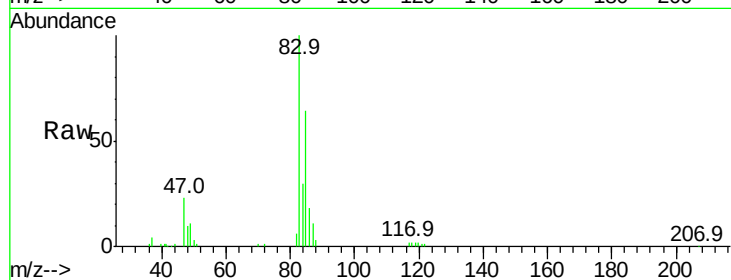
VSTD00597

Tgt Ion: 83 Resp: 35914

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.462 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VW004359.D

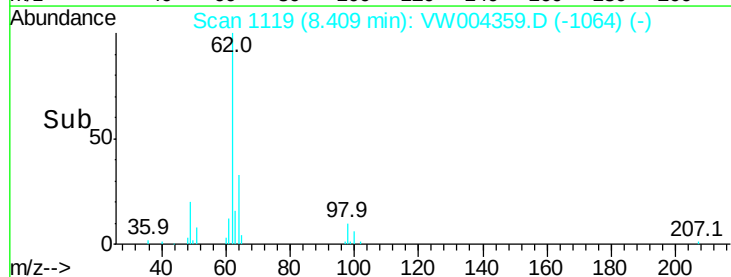
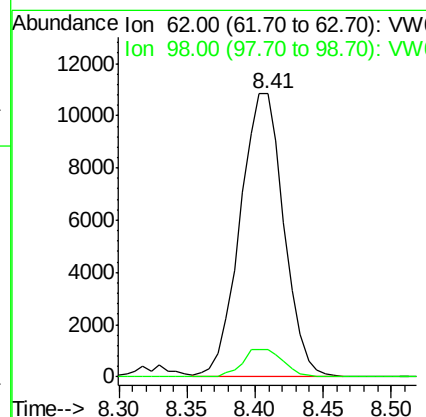
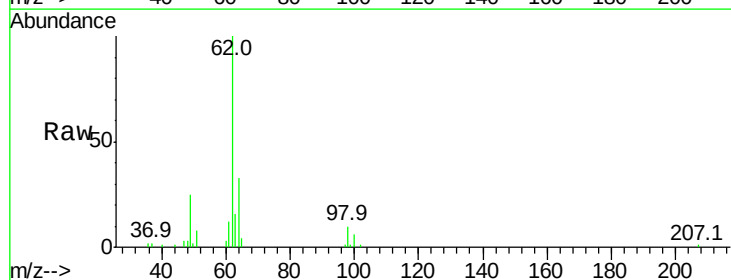
Acq: 31 Jul 2018 15:45

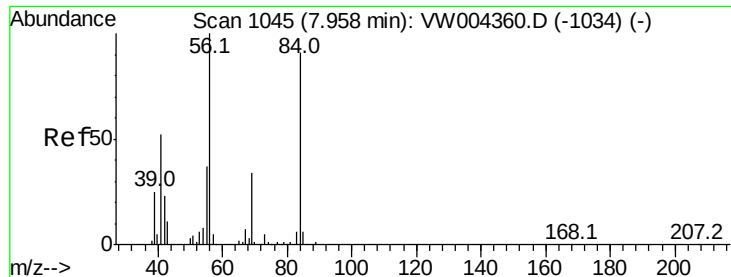
Tgt Ion: 62 Resp: 24415

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.8

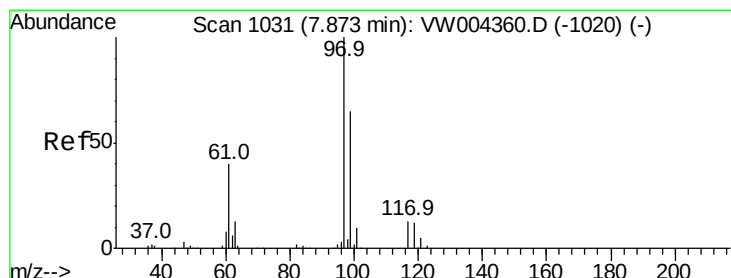
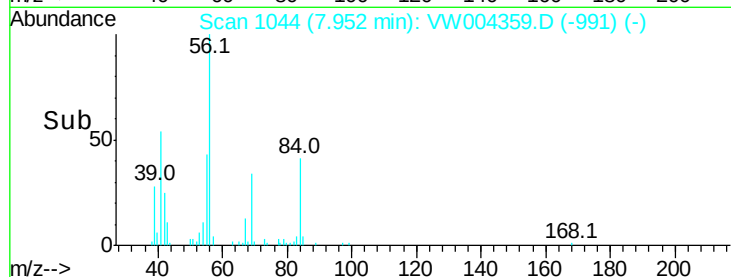
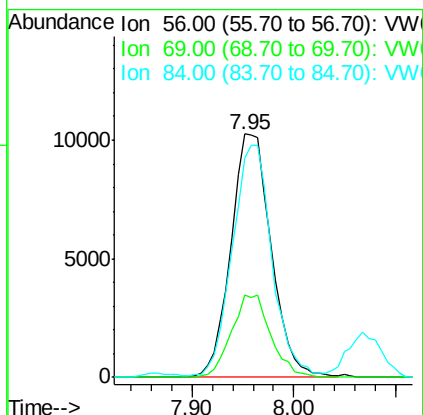
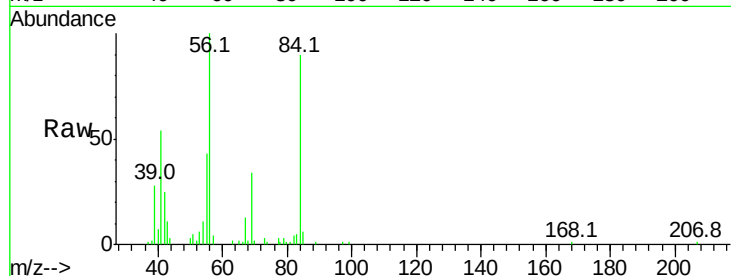




#30
Cyclohexane
Concen: 4.468 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

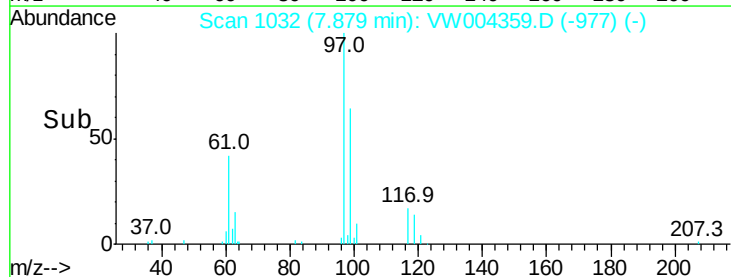
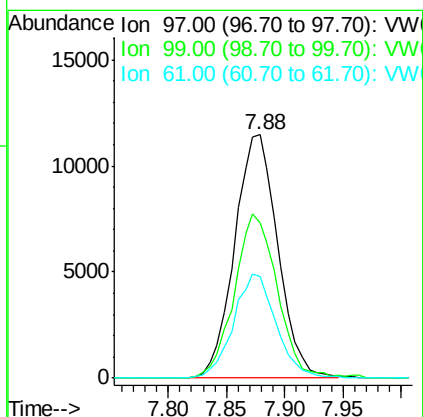
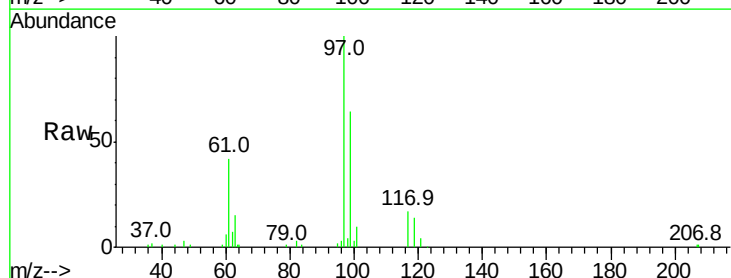
Instrument :
MSVOA_W
ClientSampled :
VSTD00597

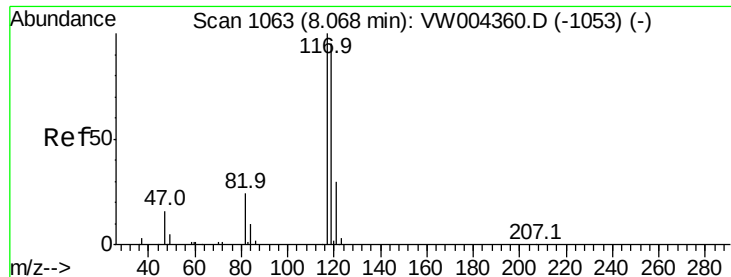
Tgt Ion: 56 Resp: 28227
Ion Ratio Lower Upper
56 100
69 32.9 25.7 38.5
84 93.9 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 5.143 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Tgt Ion: 97 Resp: 29637
Ion Ratio Lower Upper
97 100
99 66.9 51.4 77.0
61 42.4 32.2 48.2





#32

Carbon tetrachloride

Concen: 5.041 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

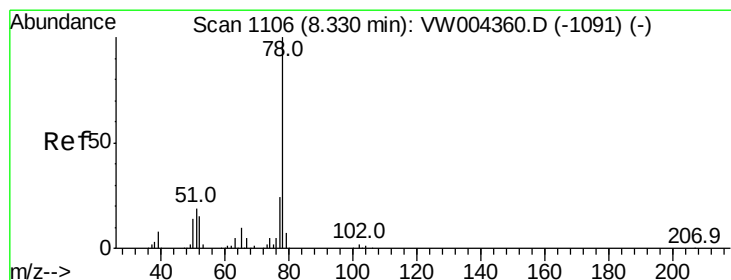
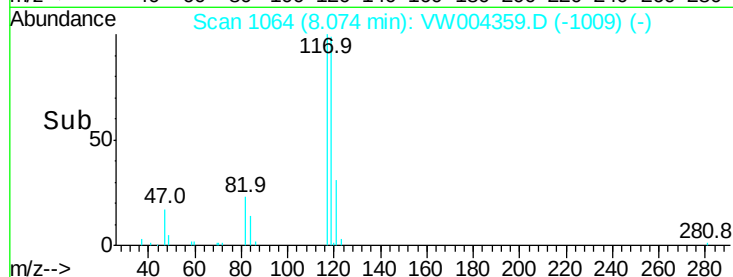
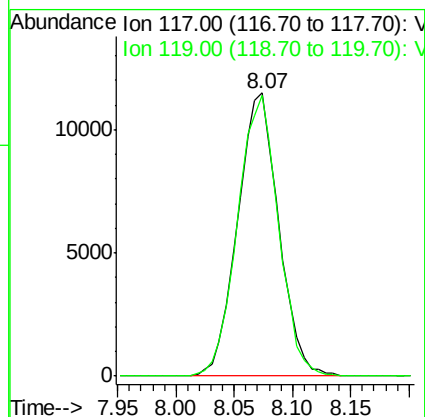
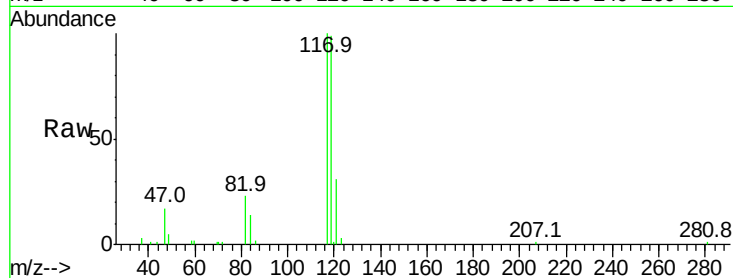
VSTD00597

Tgt Ion:117 Resp: 28251

Ion Ratio Lower Upper

117 100

119 98.7 77.0 115.6



#34

Benzene

Concen: 4.598 ug/L

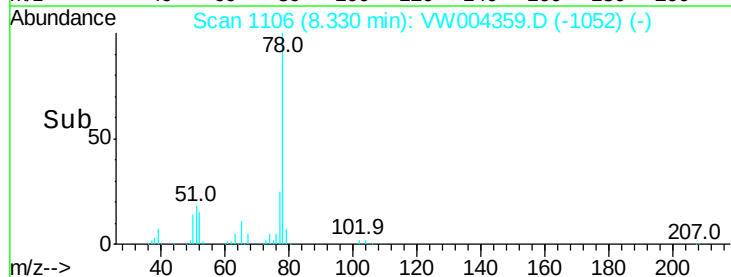
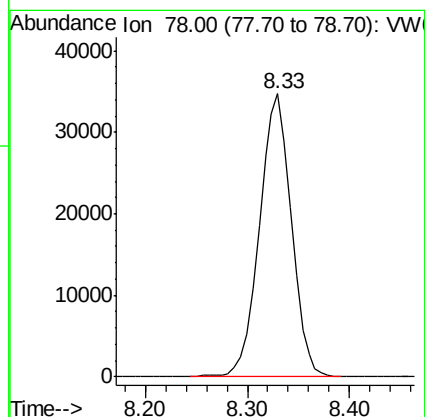
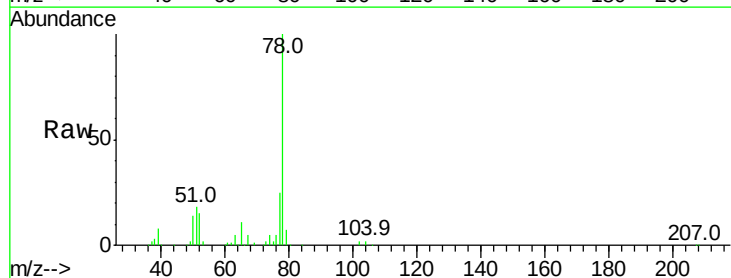
RT: 8.33 min Scan# 1106

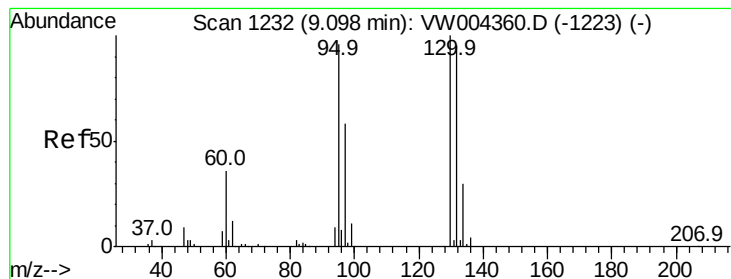
Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Tgt Ion: 78 Resp: 75482





#35

Trichloroethene

Concen: 4.794 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

Tgt Ion: 95 Resp: 20701

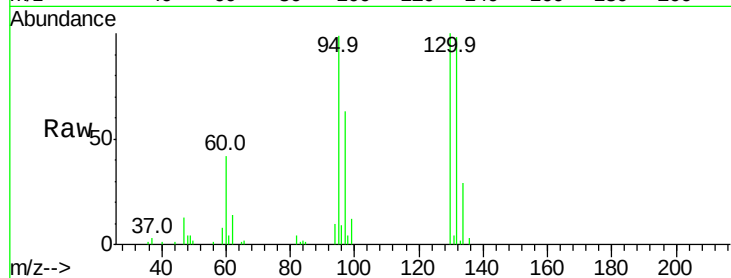
Ion Ratio Lower Upper

95 100

97 66.0 45.6 84.6

132 102.2 71.2 132.2

130 104.4 73.9 137.3

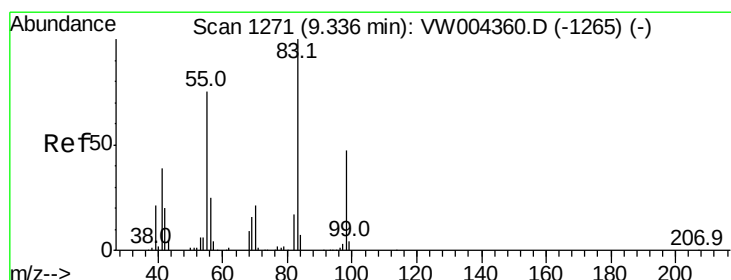
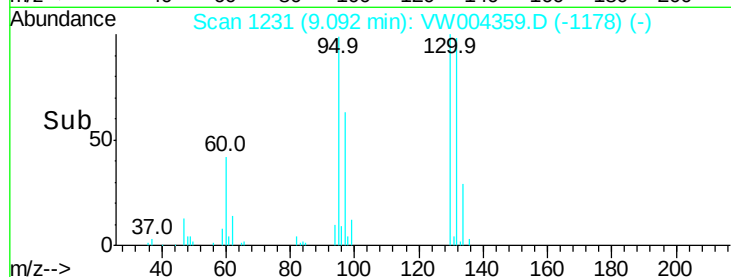
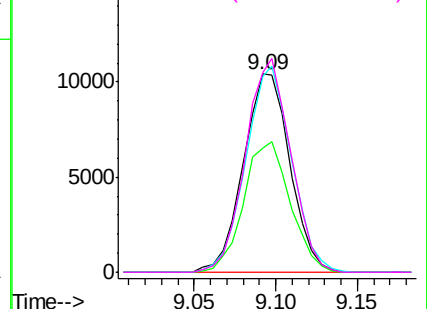


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.880 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

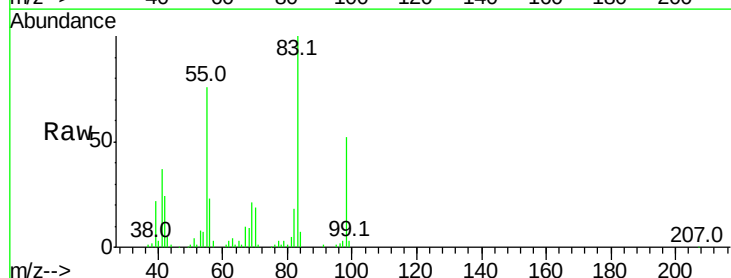
Tgt Ion: 83 Resp: 35218

Ion Ratio Lower Upper

83 100

55 77.4 58.2 87.2

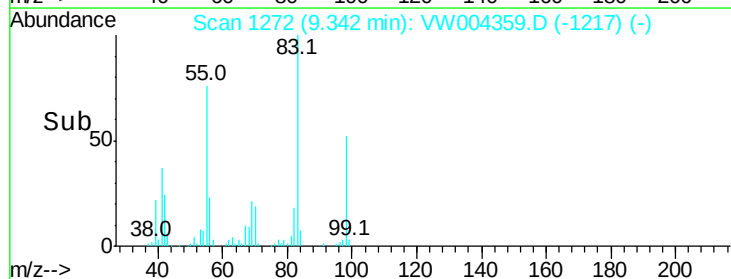
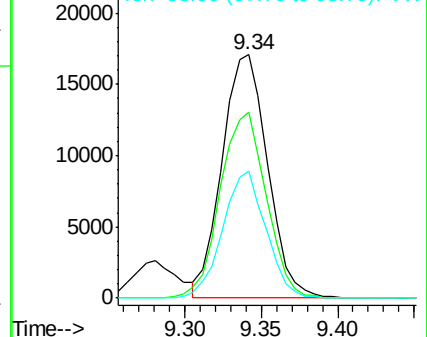
98 49.4 37.7 56.5

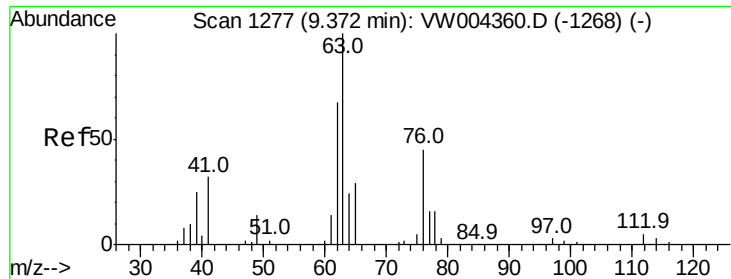


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

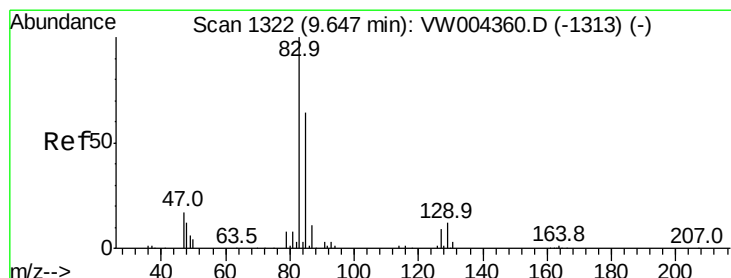
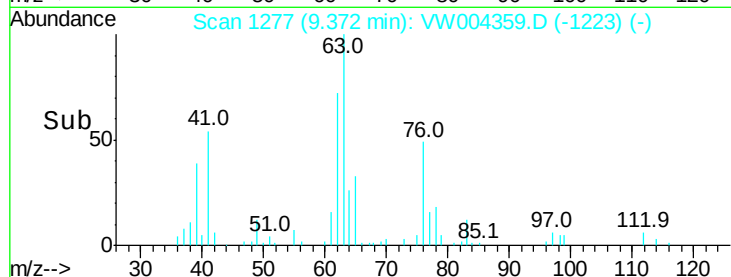
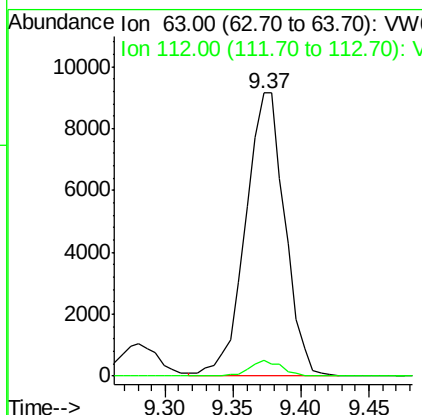
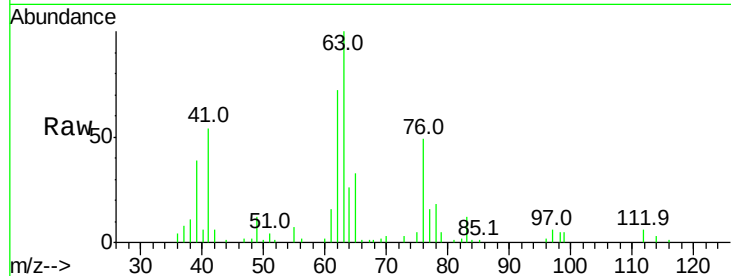




#40
 1,2-Dichloropropane
 Concen: 4.170 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

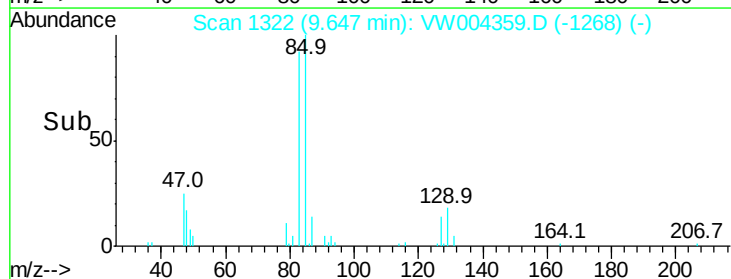
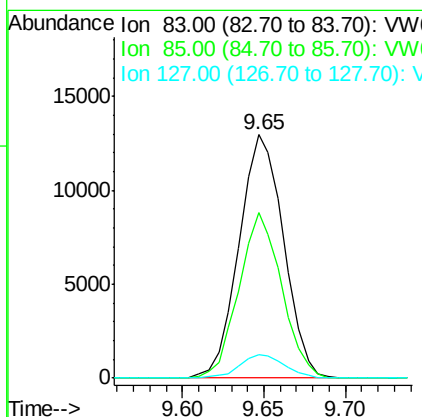
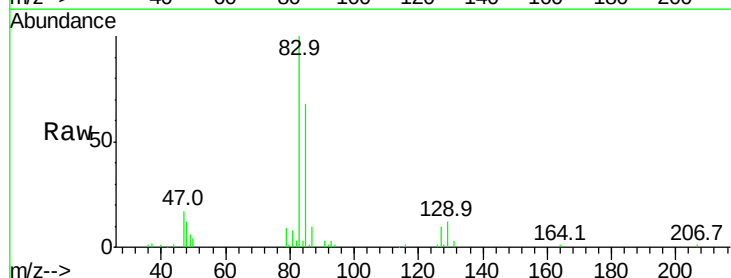
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00597

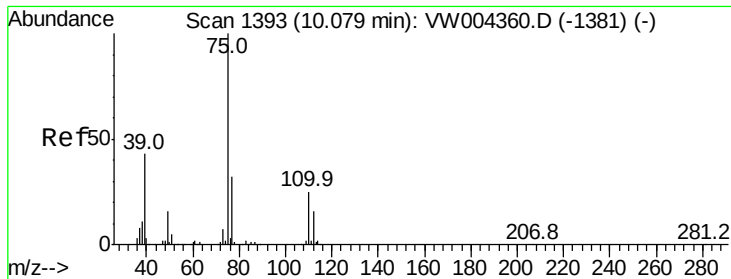
Tgt Ion: 63 Resp: 18587
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#41
 Bromodichloromethane
 Concen: 4.458 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion: 83 Resp: 24536
 Ion Ratio Lower Upper
 83 100
 85 68.1 44.9 83.3
 127 9.7 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 4.515 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampled :

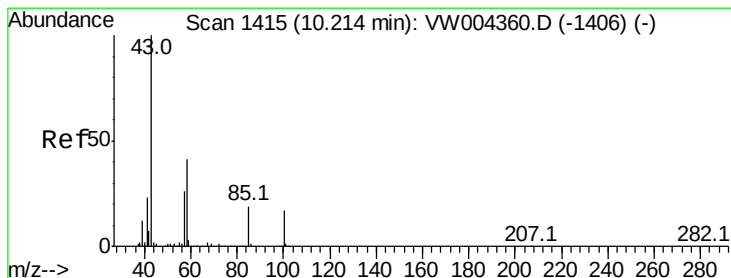
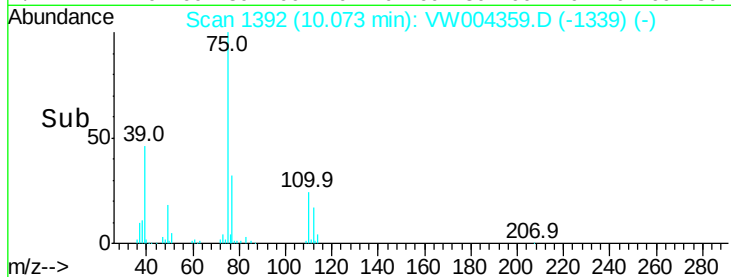
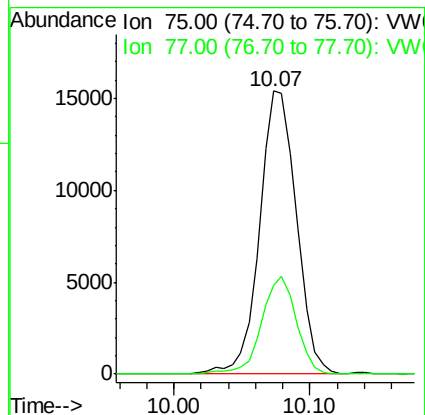
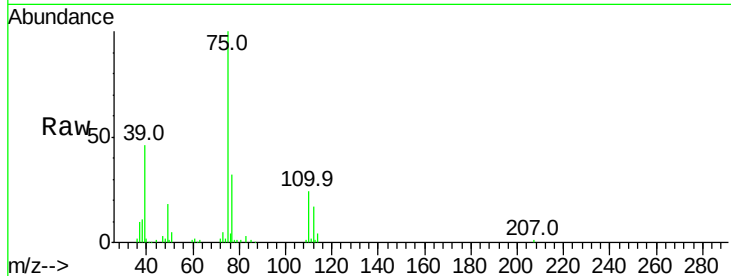
VSTD00597

Tgt Ion: 75 Resp: 29272

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 6.464 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

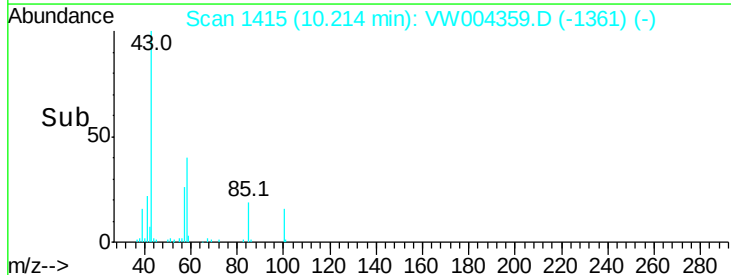
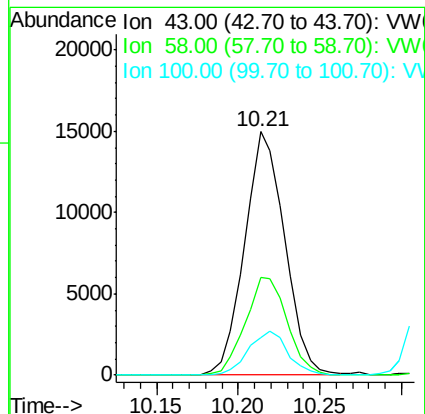
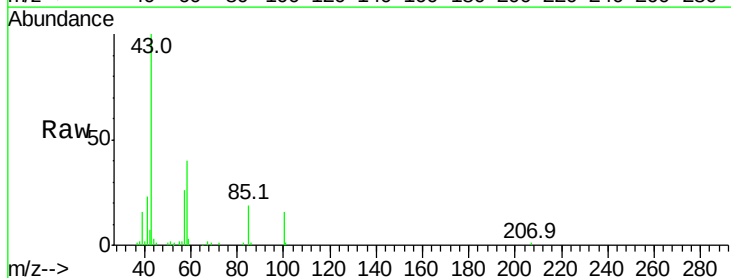
Tgt Ion: 43 Resp: 25666

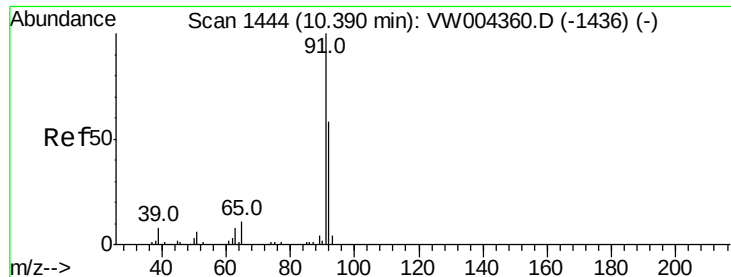
Ion Ratio Lower Upper

43 100

58 41.7 32.3 48.5

100 17.8 13.9 20.9





#44

Toluene

Concen: 4.776 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampled :

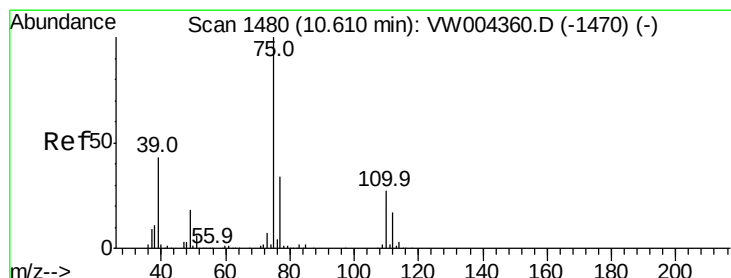
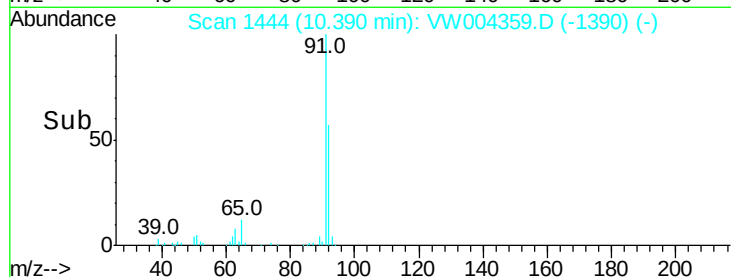
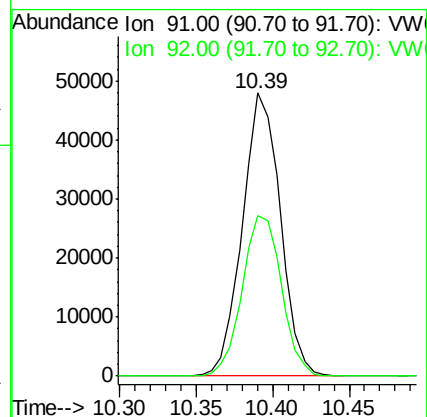
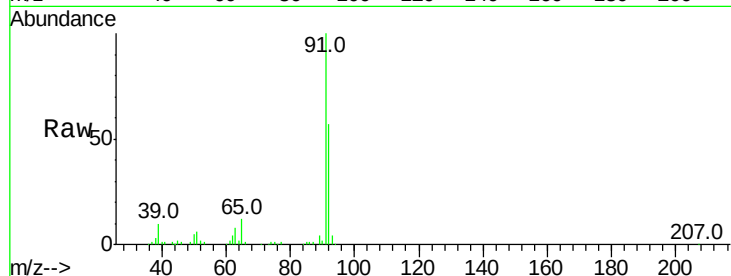
VSTD00597

Tgt Ion: 91 Resp: 82860

Ion Ratio Lower Upper

91 100

92 56.7 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 4.466 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004359.D

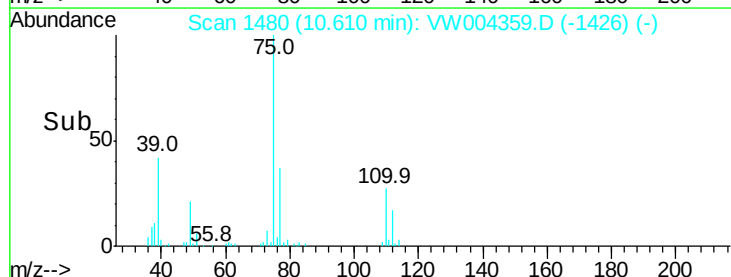
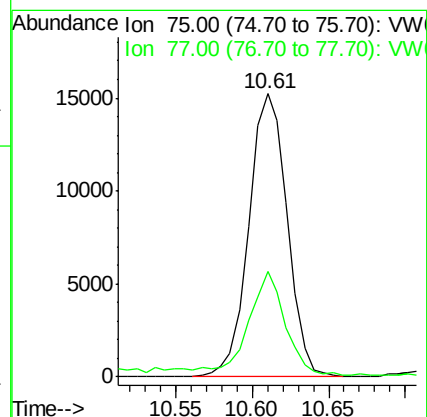
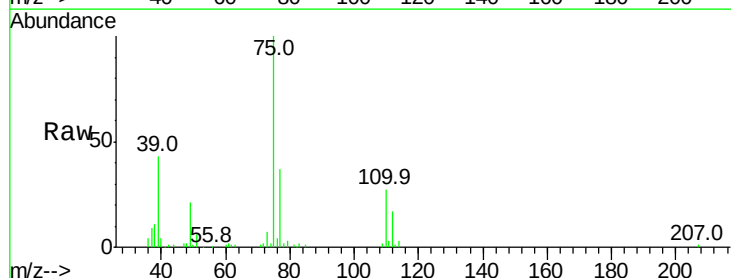
Acq: 31 Jul 2018 15:45

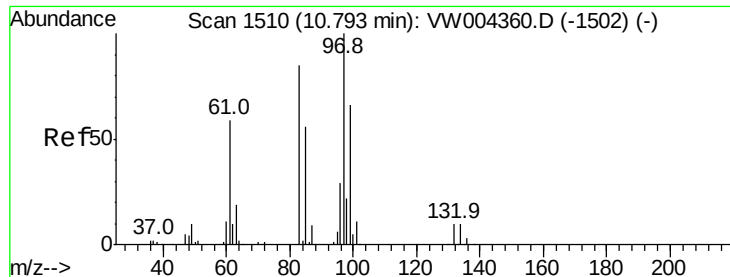
Tgt Ion: 75 Resp: 26553

Ion Ratio Lower Upper

75 100

77 37.2 23.9 44.5

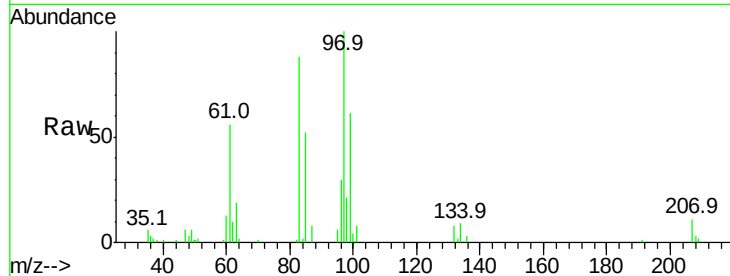




#46
 1,1,2-Trichloroethane
 Concen: 4.760 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

Tgt Ion:	97	Resp:	16470
Ion	Ratio	Lower	Upper
97	100		
83	88.1	59.4	110.2
85	51.5	39.0	72.4
99	61.4	46.0	85.4



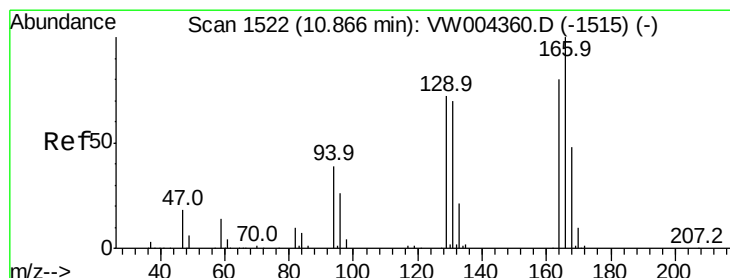
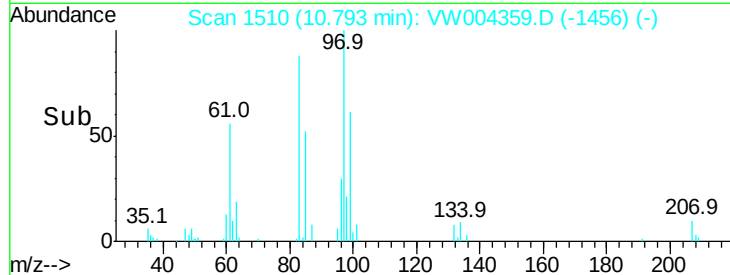
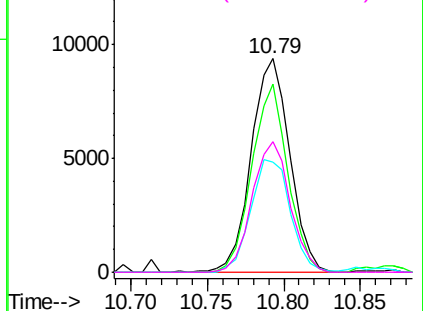
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

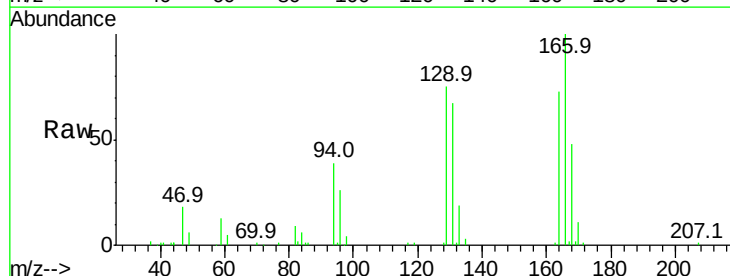
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 5.256 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion:	164	Resp:	18157
Ion	Ratio	Lower	Upper
164	100		
129	102.8	63.7	118.3
131	92.5	61.6	114.4
166	137.4	87.9	163.3



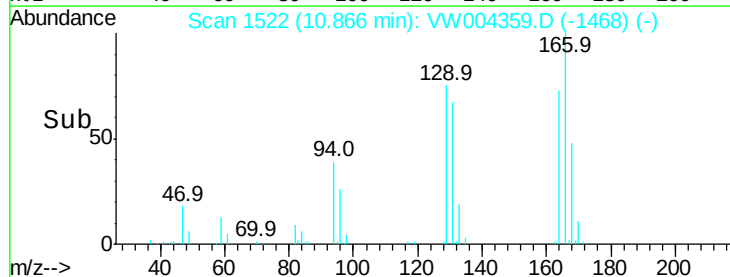
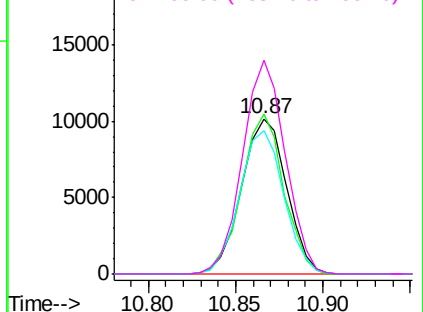
Abundance

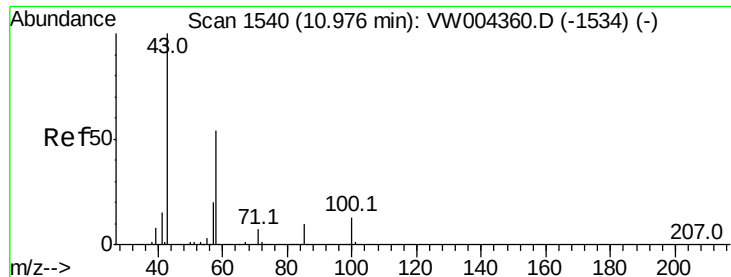
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

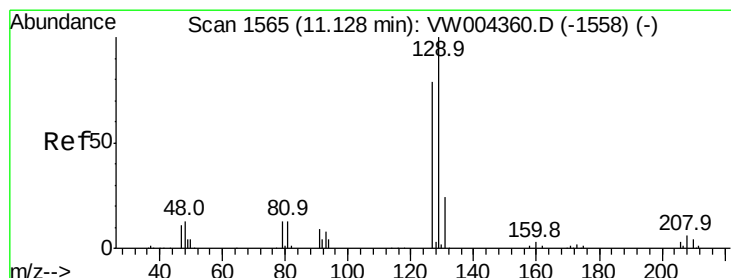
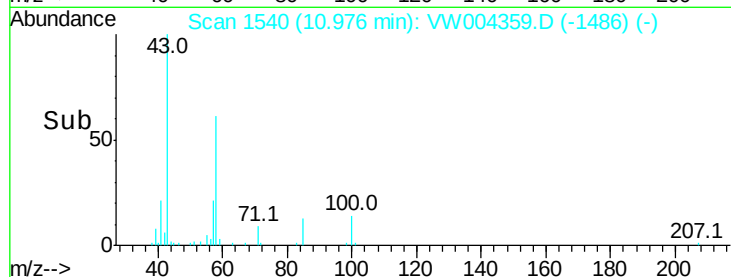
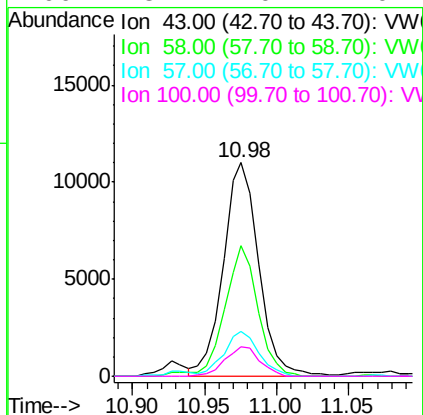
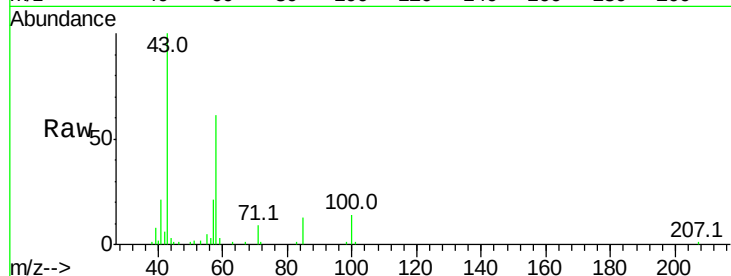




#49
2-Hexanone
Concen: 6.097 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

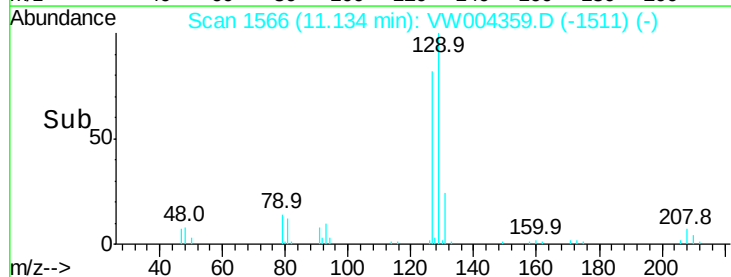
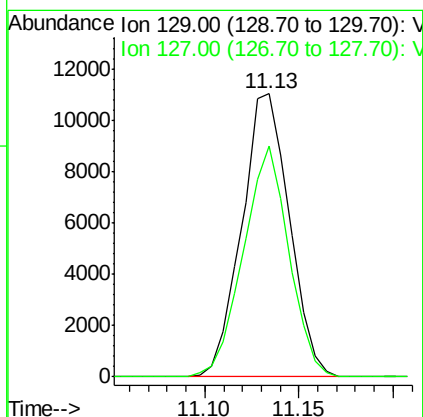
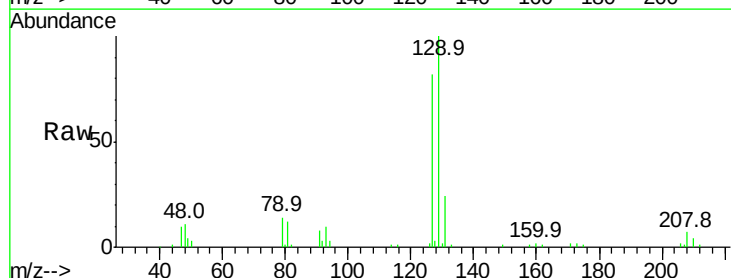
Instrument :
MSVOA_W
ClientSampled :
VSTD00597

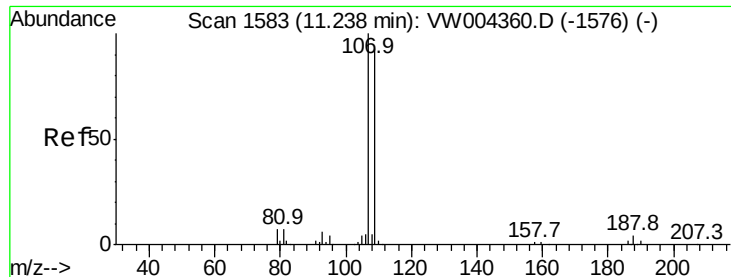
Tgt Ion: 43 Resp: 18967
Ion Ratio Lower Upper
43 100
58 56.0 44.0 66.0
57 20.6 16.0 24.0
100 13.4 10.7 16.1



#50
Dibromochloromethane
Concen: 4.920 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Tgt Ion: 129 Resp: 19417
Ion Ratio Lower Upper
129 100
127 81.5 55.6 103.2

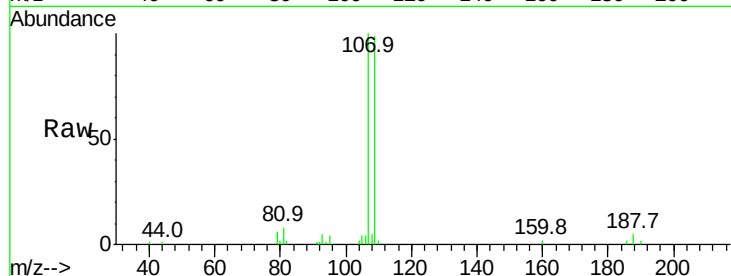




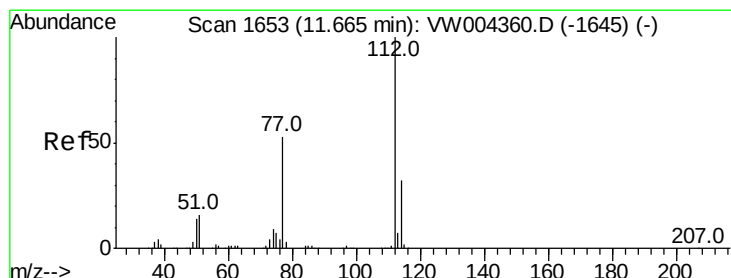
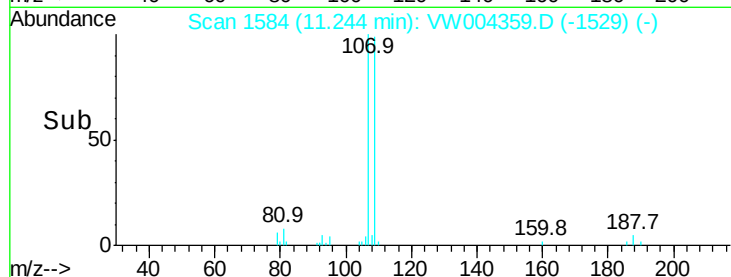
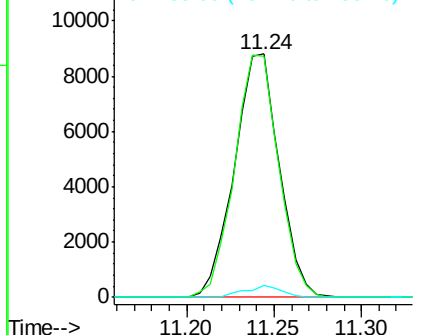
#51
 1,2-Dibromoethane
 Concen: 4.647 ug/L
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

Tgt Ion:107 Resp: 15679
 Ion Ratio Lower Upper
 107 100
 109 98.8 65.1 120.9
 188 4.7 3.2 4.8

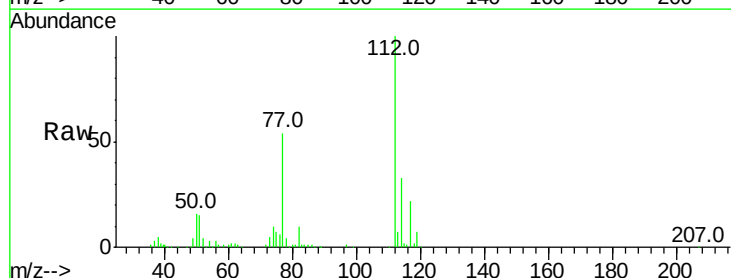


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

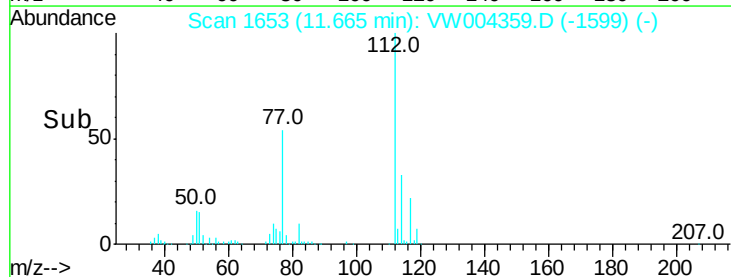
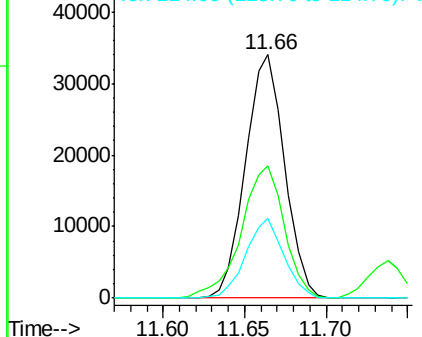


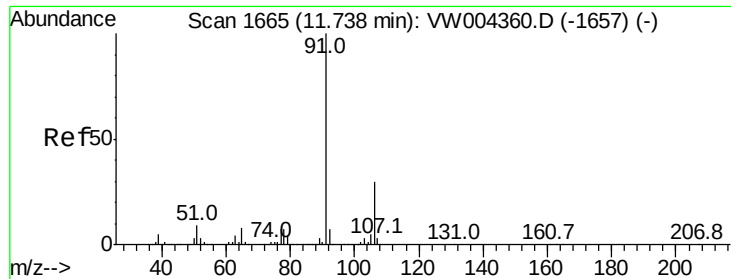
#52
 Chlorobenzene
 Concen: 5.136 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion:112 Resp: 56785
 Ion Ratio Lower Upper
 112 100
 77 54.4 42.9 64.3
 114 32.8 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 5.048 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

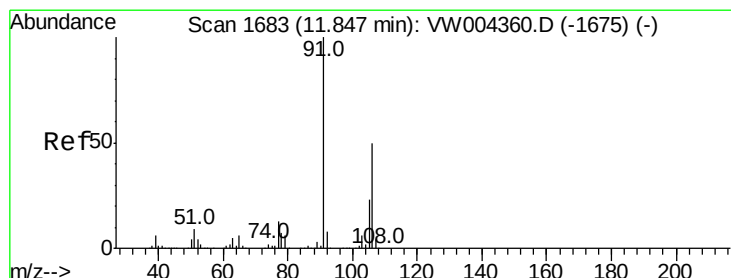
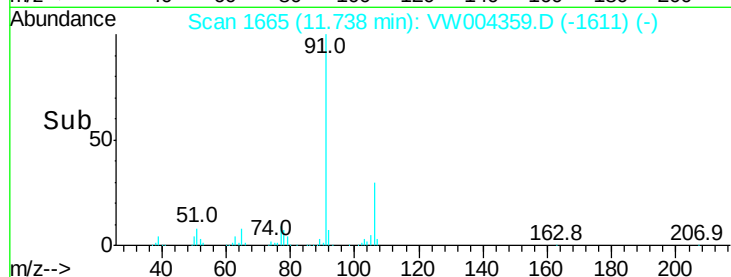
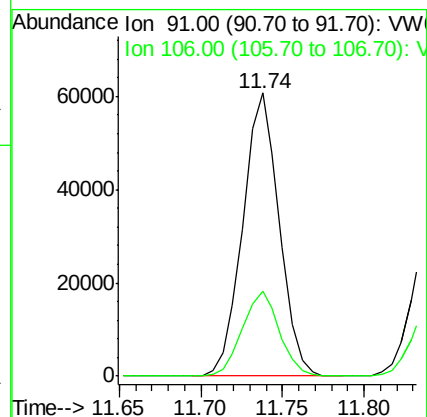
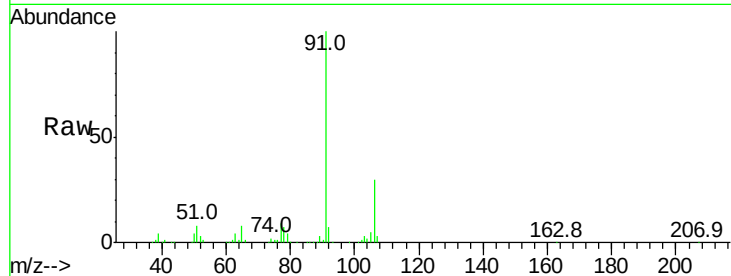
VSTD00597

Tgt Ion: 91 Resp: 94493

Ion Ratio Lower Upper

91 100

106 30.2 20.7 38.5



#54

m,p-Xylene

Concen: 5.130 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004359.D

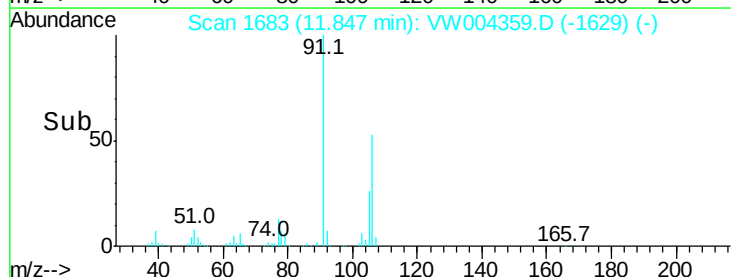
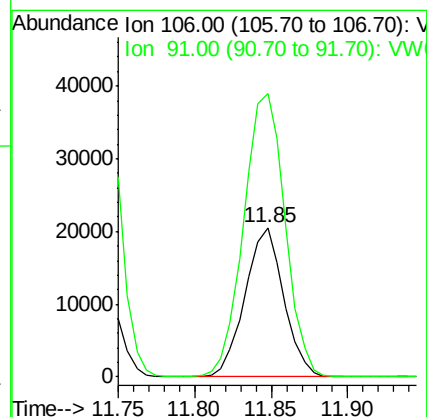
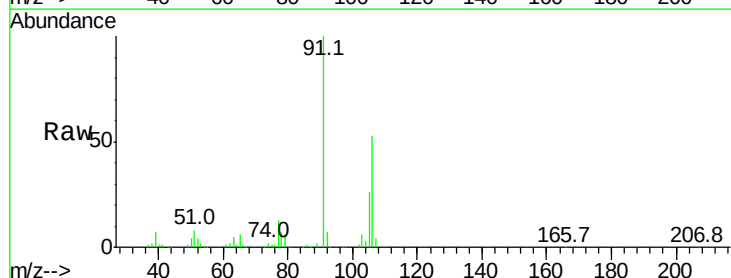
Acq: 31 Jul 2018 15:45

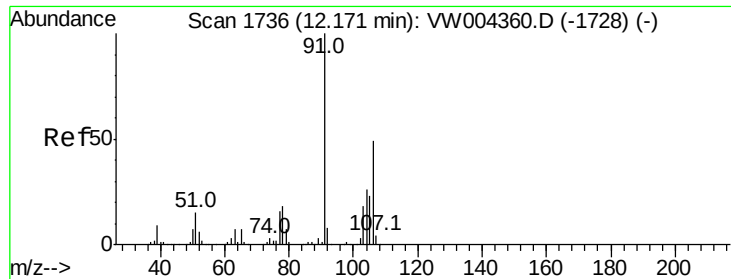
Tgt Ion: 106 Resp: 36123

Ion Ratio Lower Upper

106 100

91 189.9 139.2 258.6

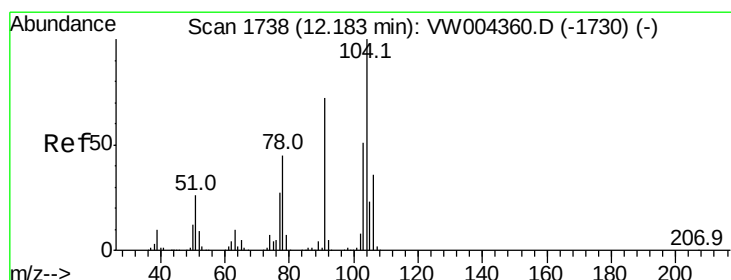
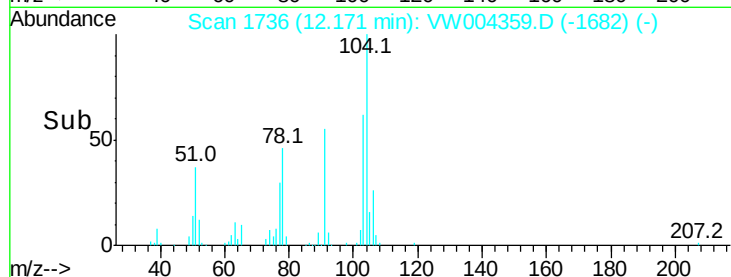
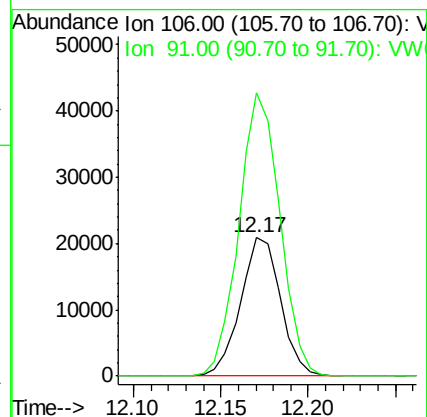
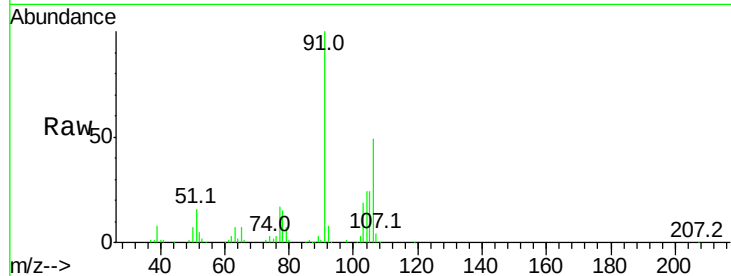




#55
o-xylene
Concen: 5.028 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

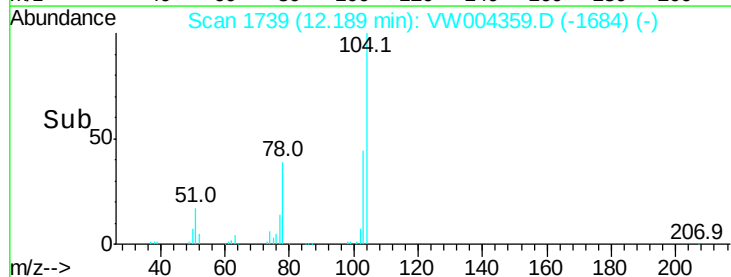
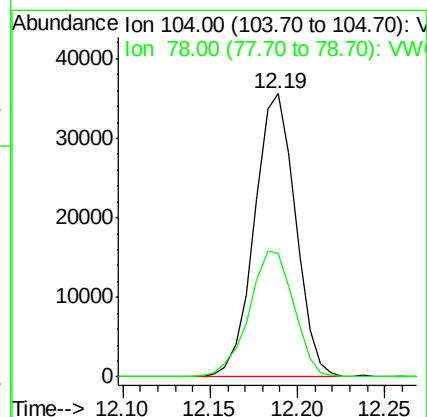
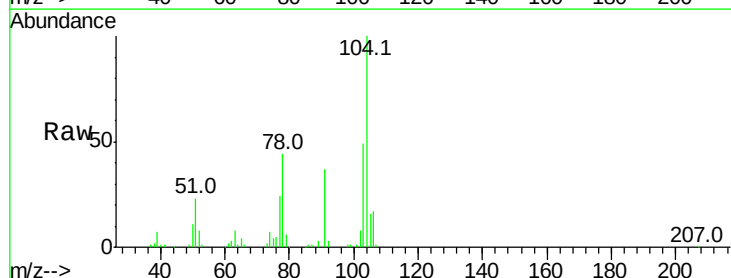
Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

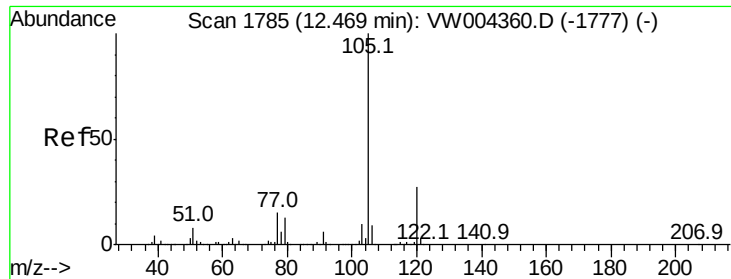
Tgt Ion:106 Resp: 33136
Ion Ratio Lower Upper
106 100
91 204.7 143.4 266.4



#56
Styrene
Concen: 5.091 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004359.D
Acq: 31 Jul 2018 15:45

Tgt Ion:104 Resp: 58147
Ion Ratio Lower Upper
104 100
78 43.6 31.7 58.9





#57

Isopropylbenzene

Concen: 5.316 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

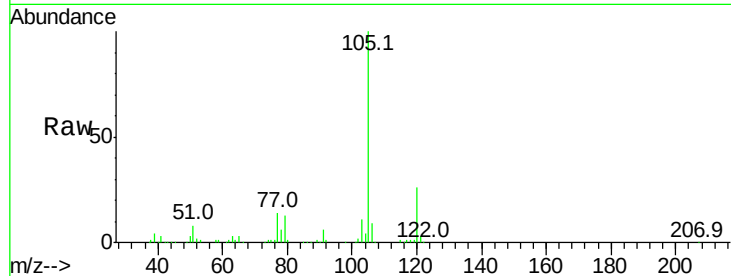
Tgt Ion:105 Resp: 95180

Ion Ratio Lower Upper

105 100

120 26.2 21.8 32.8

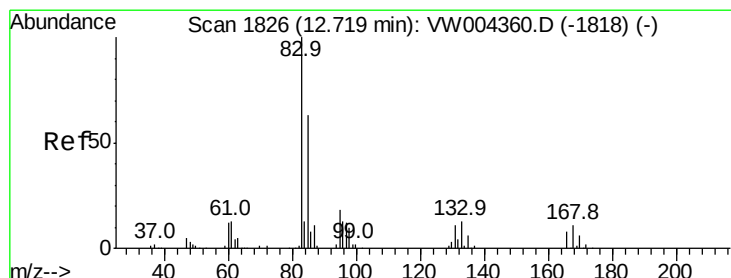
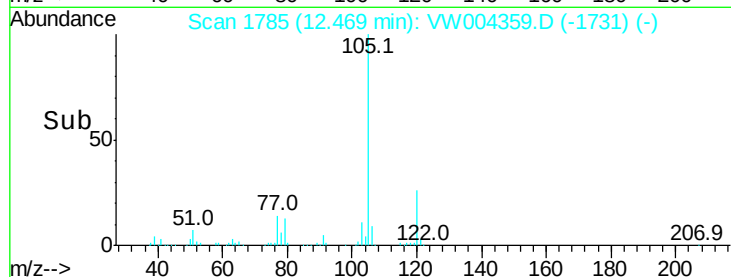
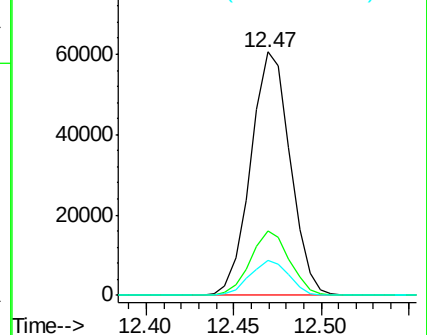
77 14.3 11.8 17.8



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: 4.219 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

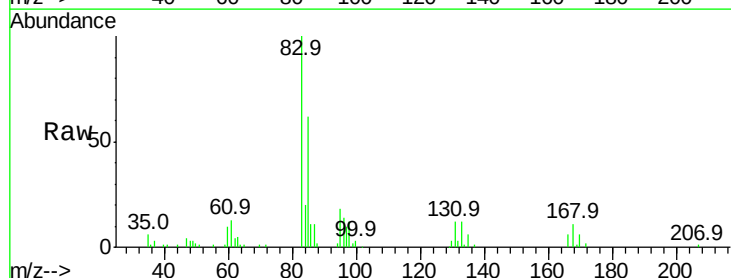
Tgt Ion: 83 Resp: 20814

Ion Ratio Lower Upper

83 100

85 61.6 44.3 82.3

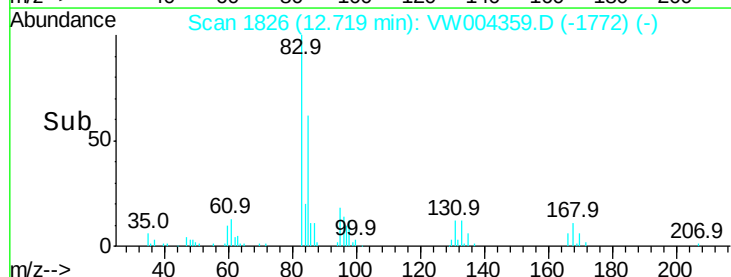
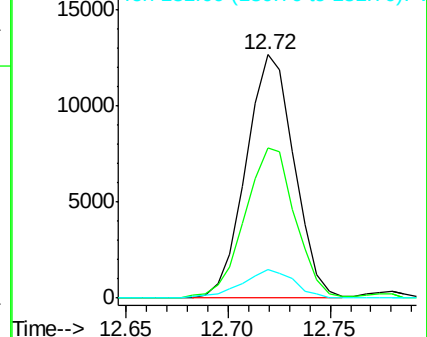
131 11.9 9.1 13.7

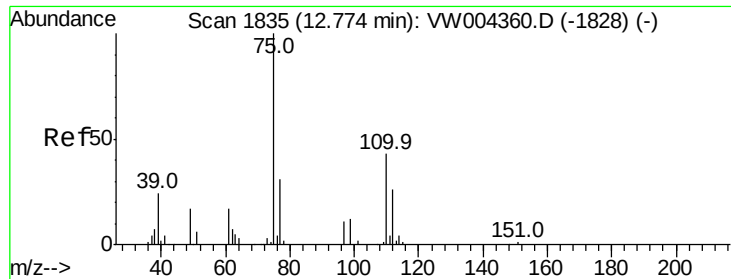


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.290 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

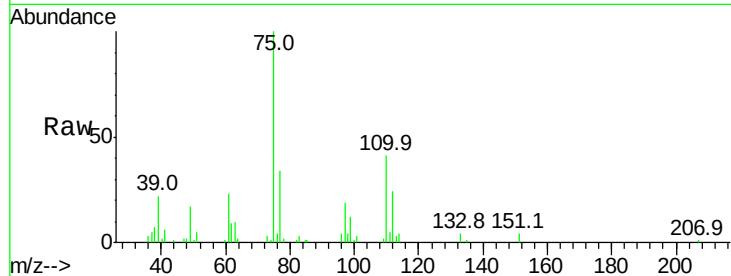
VSTD00597

Tgt Ion: 75 Resp: 16268

Ion Ratio Lower Upper

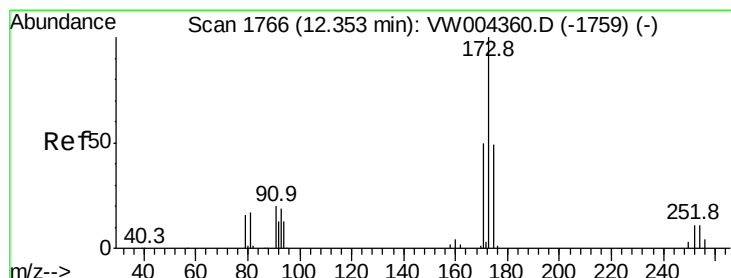
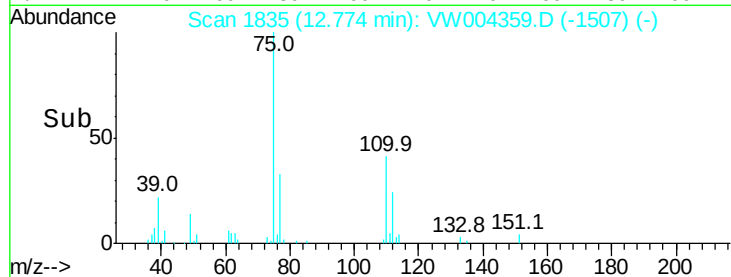
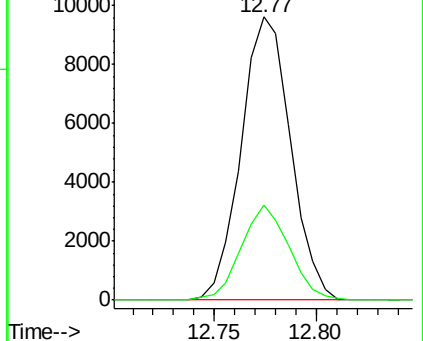
75 100

77 32.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 4.838 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

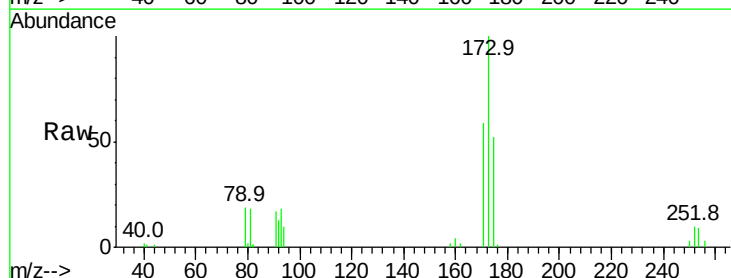
Tgt Ion: 173 Resp: 12926

Ion Ratio Lower Upper

173 100

175 49.5 39.8 59.8

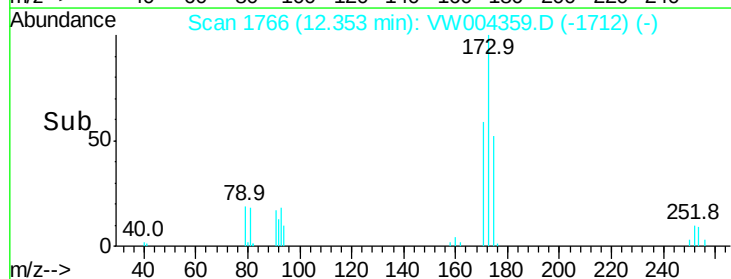
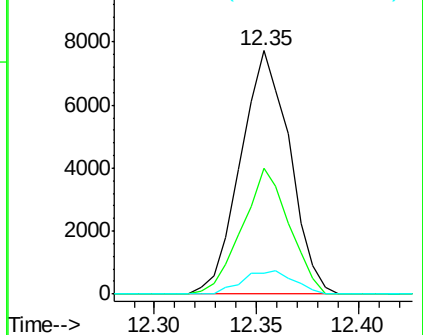
254 10.2 8.6 12.8

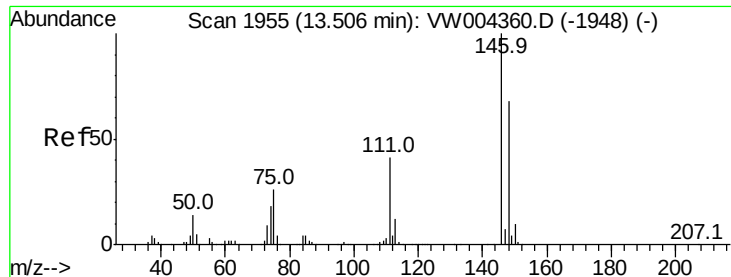


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

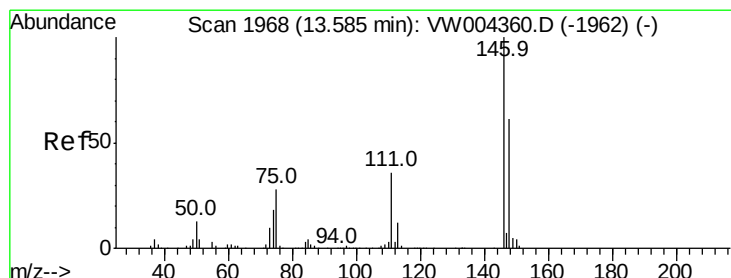
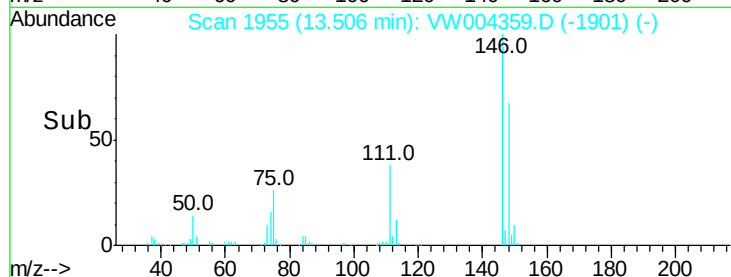
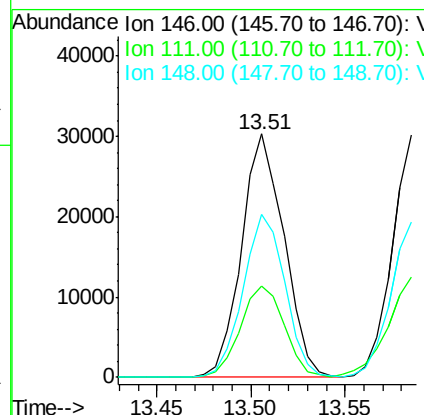
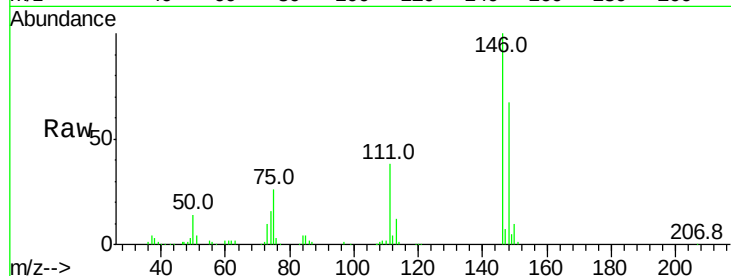




#63
 1,3-Dichlorobenzene
 Concen: 5.424 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

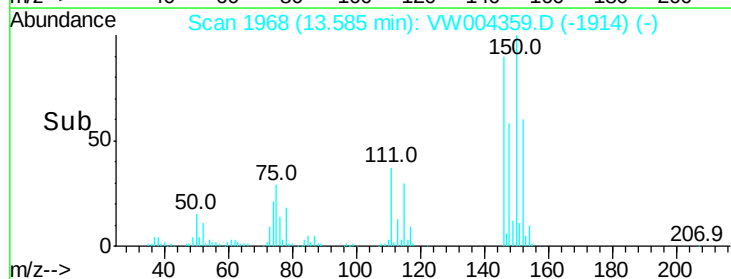
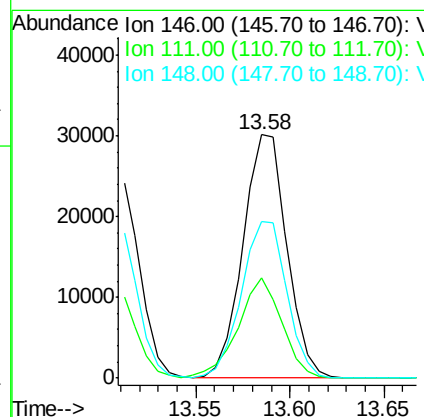
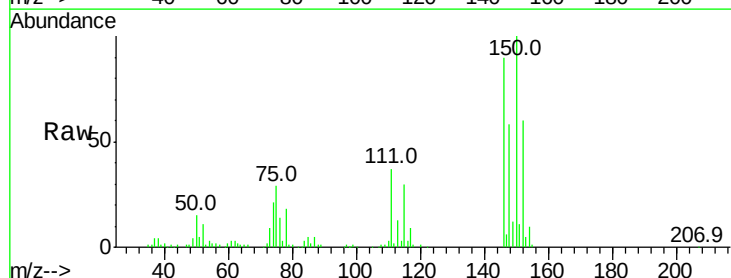
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

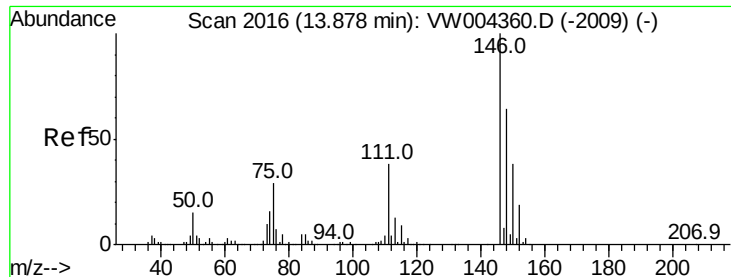
Tgt Ion:146 Resp: 47489
 Ion Ratio Lower Upper
 146 100
 111 37.7 28.6 53.2
 148 67.1 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 5.268 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion:146 Resp: 48700
 Ion Ratio Lower Upper
 146 100
 111 41.2 25.4 47.2
 148 64.2 42.8 79.6

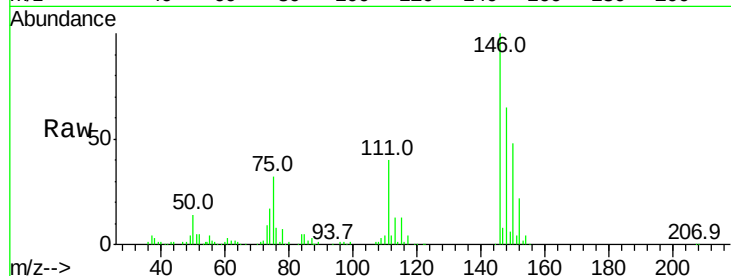




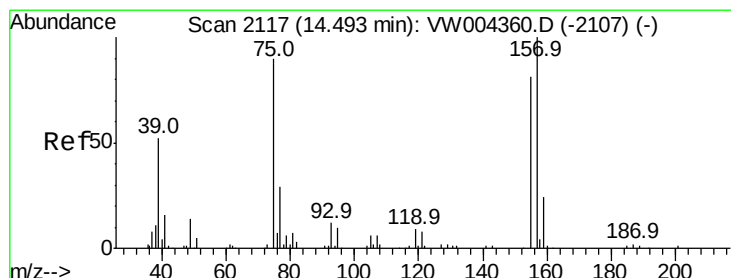
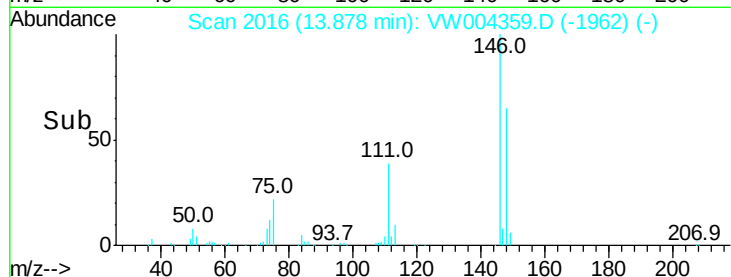
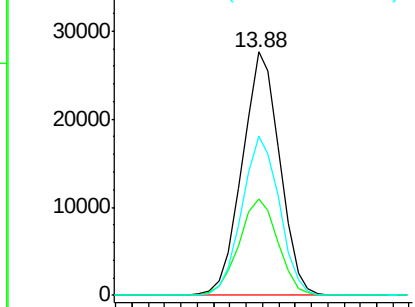
#65
 1,2-Dichlorobenzene
 Concen: 5.195 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

Tgt Ion:146 Resp: 44316
 Ion Ratio Lower Upper
 146 100
 111 39.7 30.2 45.4
 148 65.2 51.0 76.4

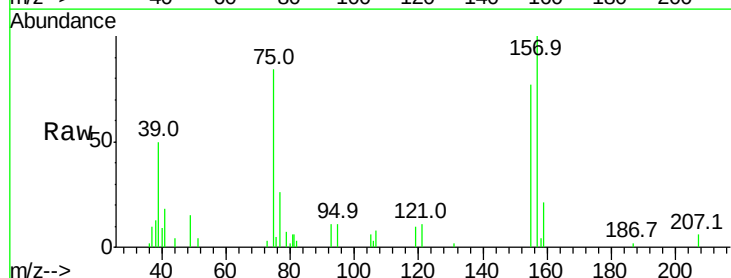


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

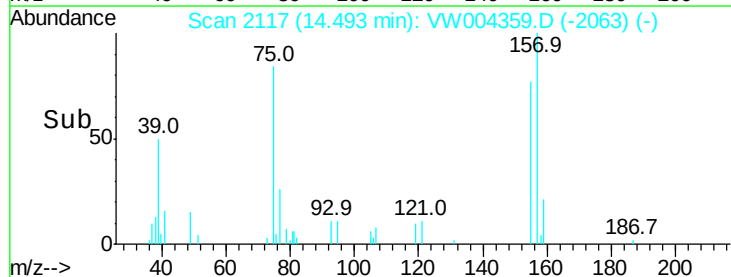
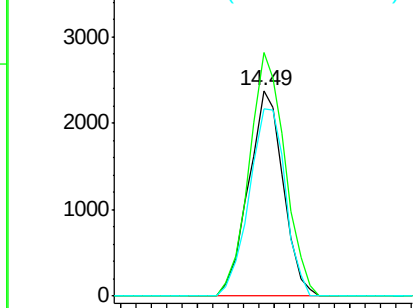


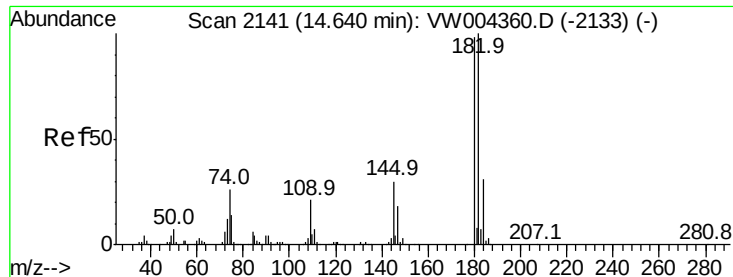
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.884 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion: 75 Resp: 3721
 Ion Ratio Lower Upper
 75 100
 157 118.6 88.6 132.8
 155 91.1 71.8 107.6



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

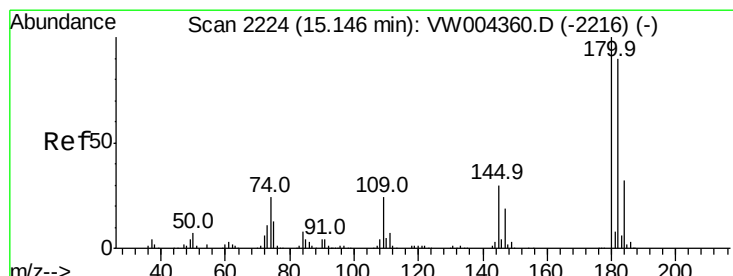
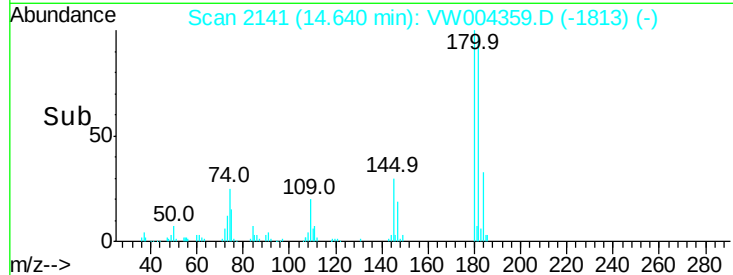
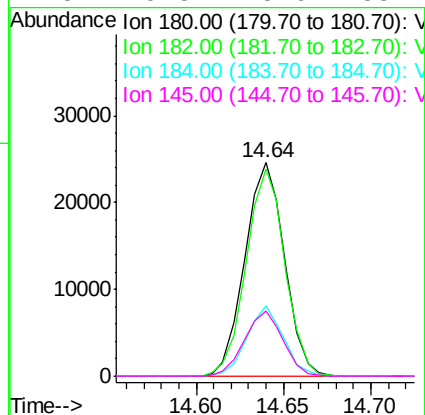
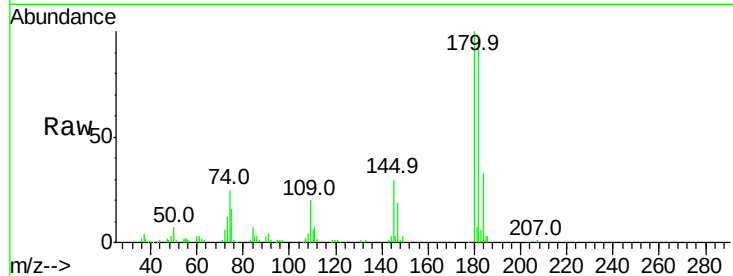




#67
 1,3,5-Trichlorobenzene
 Concen: 5.741 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

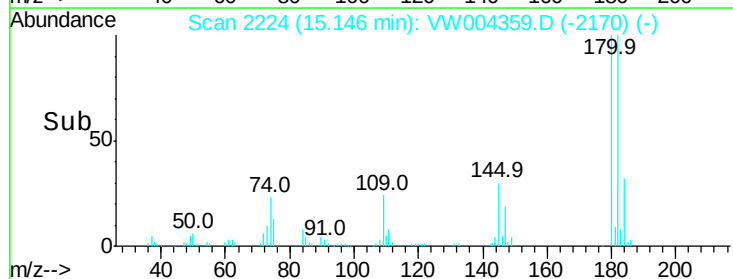
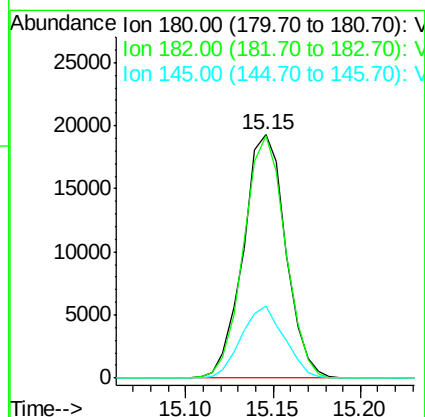
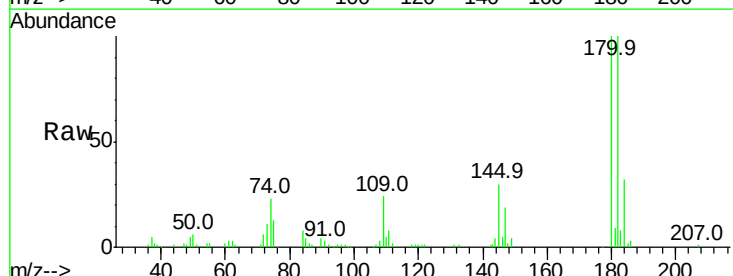
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

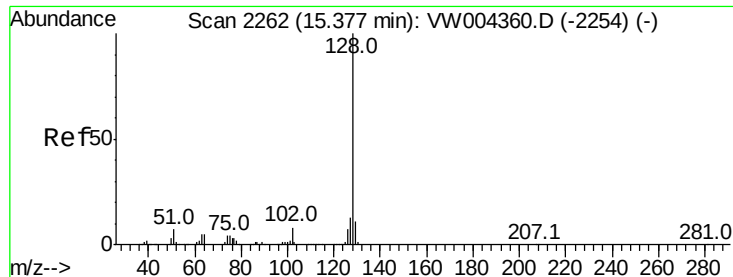
Tgt Ion:180 Resp: 38882
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.7 116.5
 184 30.4 24.6 37.0
 145 29.5 23.6 35.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.881 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004359.D
 Acq: 31 Jul 2018 15:45

Tgt Ion:180 Resp: 32485
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.5 113.3
 145 30.0 24.2 36.2





#69

Naphthalene

Concen: 5.402 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Instrument :

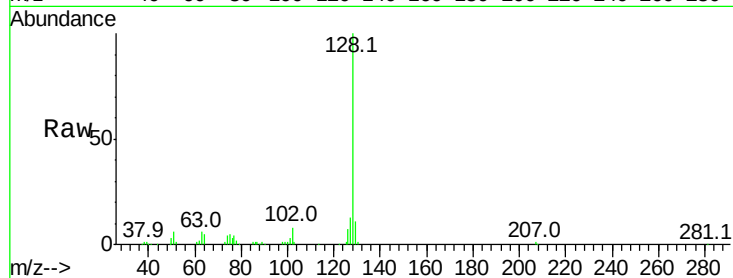
MSVOA_W

ClientSampleId :

VSTD00597

Tgt Ion:128 Resp: 68554

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.6	10.4	15.6

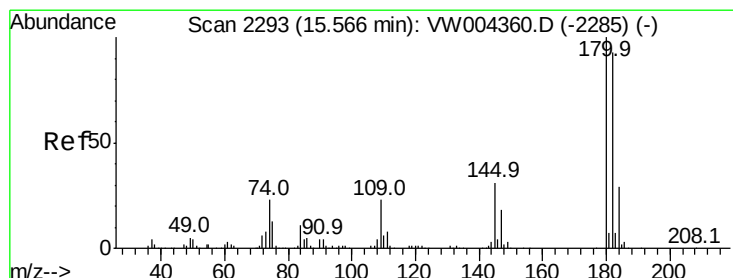
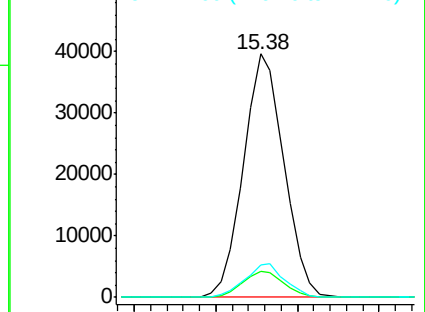
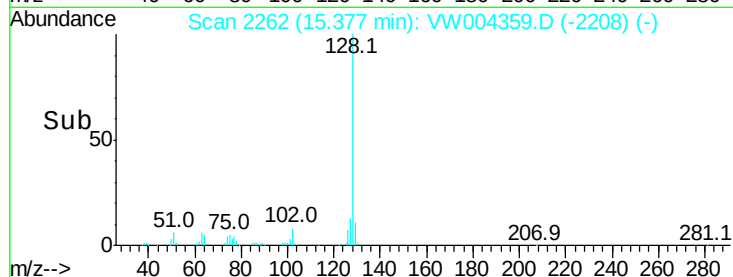


Abundance

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: 5.893 ug/L

RT: 15.57 min Scan# 2294

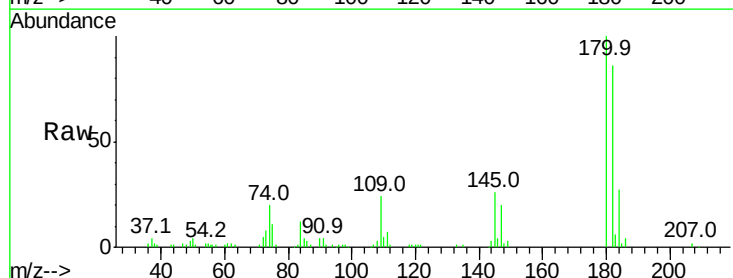
Delta R.T. 0.01 min

Lab File: VW004359.D

Acq: 31 Jul 2018 15:45

Tgt Ion:180 Resp: 31490

Ion	Ratio	Lower	Upper
180	100		
182	90.8	77.0	115.4
145	29.2	25.4	38.0



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

