

Data File : VW007308.D
Acq On : 07 Dec 2018 14:32
Operator : SY/AP
Sample : VSTD02594
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Quant Time: Dec 07 15:06:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 14:13:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	142953	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	125064	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	58500	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	26111	21.47	ug/L	0.00
7) Chloroethane-d5	2.89	69	19704	22.59	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	82073	25.90	ug/L	-0.01
20) 2-Butanone-d5	7.08	46	30611	62.16	ug/L	0.00
24) Chloroform-d	7.65	84	85380	28.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	47436	27.37	ug/L	0.00
29) Benzene-d6	8.27	84	169155	28.47	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	47848	28.10	ug/L	0.00
37) Toluene-d8	10.32	98	155308	24.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	24258	29.15	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	23583	59.10	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44162	28.47	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	54420	24.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	37972	14.534 ug/L	98
3) Chloromethane	2.22	50	28592	15.668 ug/L	98
5) Vinyl chloride	2.37	62	29651	18.152 ug/L	99
6) Bromomethane	2.78	94	19674	20.994 ug/L	97
8) Chloroethane	2.92	64	16866	19.160 ug/L	95
9) Trichlorofluoromethane	3.26	101	33034	10.794 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	41388	22.916 ug/L	98
12) 1,1-Dichloroethene	4.03	96	41139	25.851 ug/L	89
13) Acetone	4.12	43	29949	86.799 ug/L	97
14) Carbon disulfide	4.37	76	120382	21.375 ug/L	99
16) Methylene chloride	4.91	84	45156	19.758 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	67761	16.567 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	43581	24.768 ug/L	100
19) 1,1-Dichloroethane	6.21	63	73554	25.272 ug/L	99
21) 2-Butanone	7.17	43	35599	67.208 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	46998	24.979 ug/L	96
23) Bromochloromethane	7.51	128	21728	26.541 ug/L	90
25) Chloroform	7.67	83	80149	25.382 ug/L	100
27) 1,2-Dichloroethane	8.40	62	57263	27.336 ug/L	98
30) Cyclohexane	7.96	56	69608	25.535 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	69543	26.854 ug/L	99
32) Carbon tetrachloride	8.07	117	67054	28.529 ug/L	100
34) Benzene	8.32	78	167940	25.914 ug/L	100
35) Trichloroethene	9.09	95	47094	26.802 ug/L	99
36) Methylcyclohexane	9.34	83	82182	25.189 ug/L	99
40) 1,2-Dichloropropane	9.37	63	41285	26.558 ug/L	100
41) Bromodichloromethane	9.65	83	58605	28.796 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	69455	28.131 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	67556	58.730 ug/L	98
44) Toluene	10.39	91	184379	23.744 ug/L	94

Data File : VW007308.D
Acq On : 07 Dec 2018 14:32
Operator : SY/AP
Sample : VSTD02594
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Quant Time: Dec 07 15:06:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 14:13:40 2018
Response via : Initial Calibration

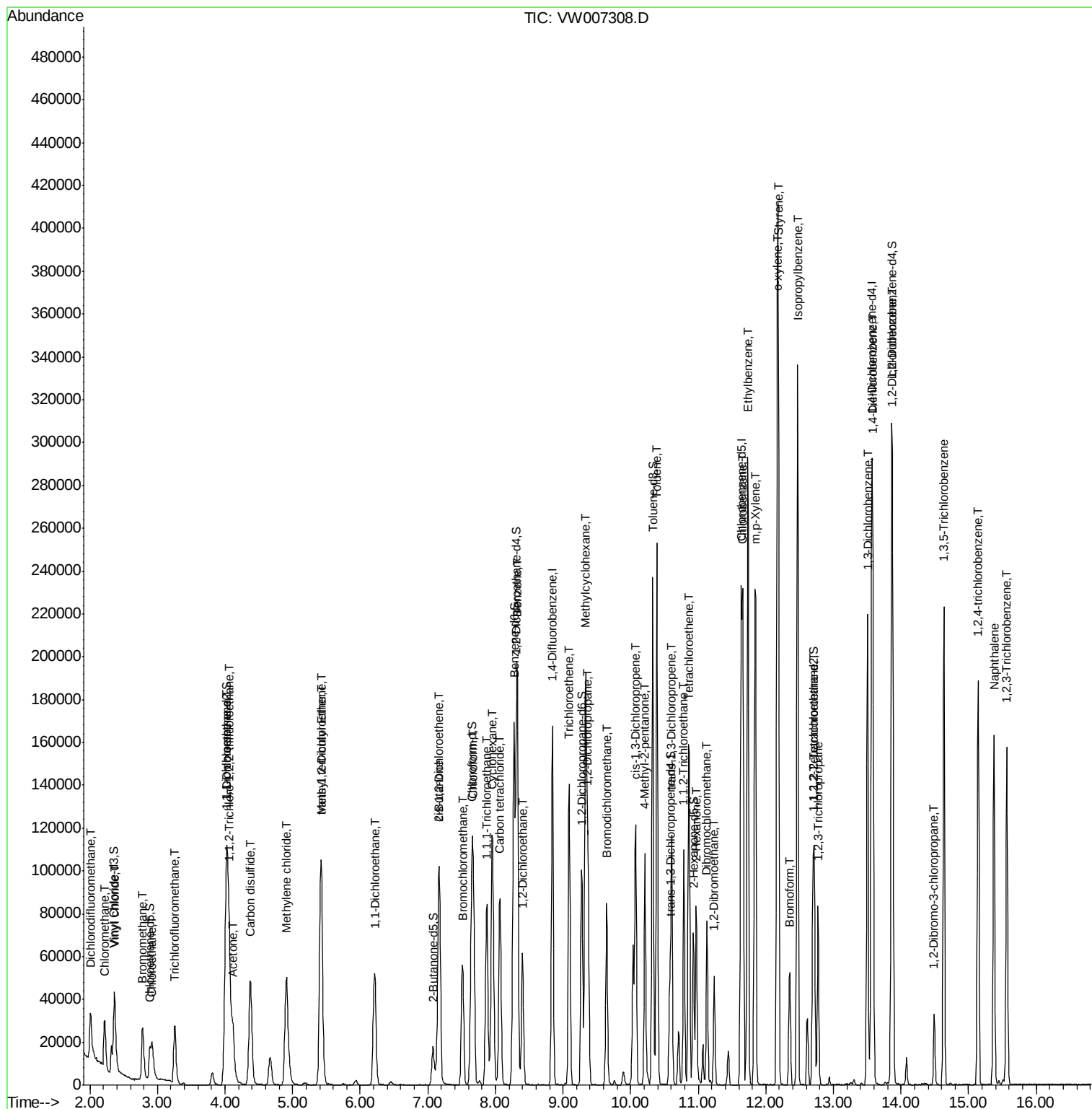
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	61928	28.549	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	33705	27.533	ug/L	94
47) Tetrachloroethene	10.86	164	35919	23.401	ug/L	95
49) 2-Hexanone	10.97	43	47214	60.636	ug/L #	95
50) Dibromochloromethane	11.13	129	42156	28.272	ug/L	99
51) 1,2-Dibromoethane	11.24	107	33795	27.243	ug/L #	98
52) Chlorobenzene	11.66	112	118688	23.184	ug/L	97
53) Ethylbenzene	11.73	91	203914	22.650	ug/L	96
54) m,p-Xylene	11.85	106	78335	22.300	ug/L	92
55) o-xylene	12.17	106	73404	22.533	ug/L	98
56) Styrene	12.19	104	128453	23.317	ug/L	94
57) Isopropylbenzene	12.47	105	208874	23.058	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	44902	28.864	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	34391	28.288	ug/L	98
62) Bromoform	12.35	173	25563	31.913	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	91998	23.898	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	97062	25.067	ug/L	88
65) 1,2-Dichlorobenzene	13.88	146	84763	24.063	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	8989	31.467	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	67301	23.278	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	56916	23.158	ug/L	97
69) Naphthalene	15.38	128	144763	27.663	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	53528	24.959	ug/L	98

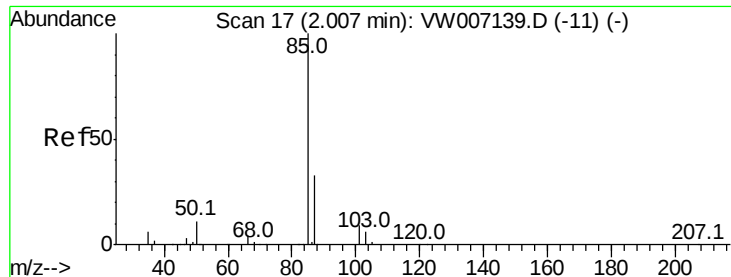
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW007308.D
Acq On : 07 Dec 2018 14:32
Operator : SY/AP
Sample : VSTD02594
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02594

Quant Time: Dec 07 15:06:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 14:13:40 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 14.534 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

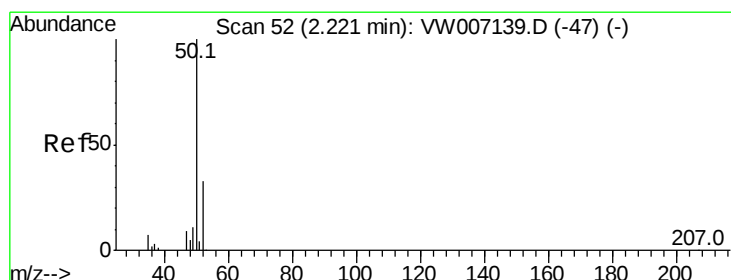
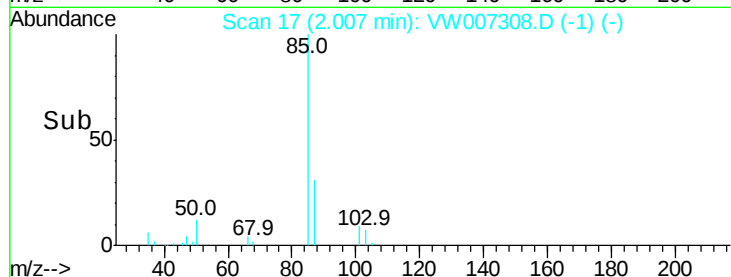
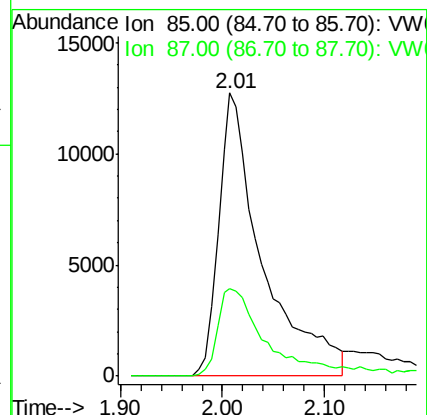
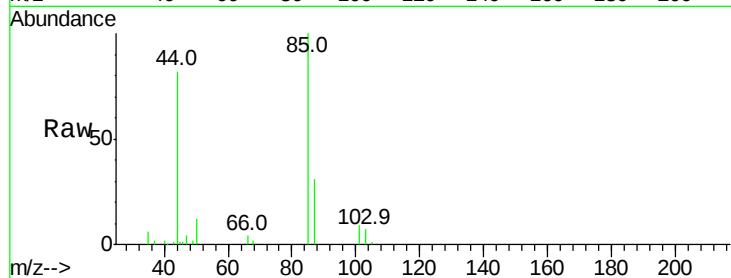
VSTD02594

Tgt Ion: 85 Resp: 37972

Ion Ratio Lower Upper

85 100

87 33.1 22.5 41.9



#3

Chloromethane

Concen: 15.668 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007308.D

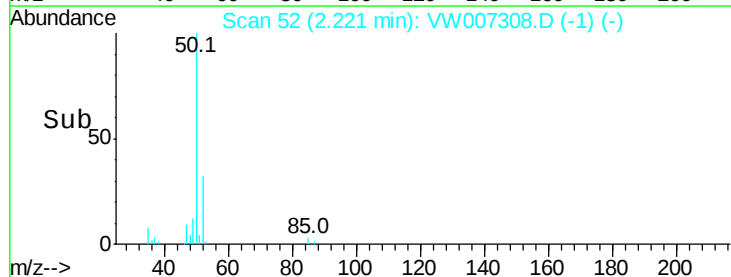
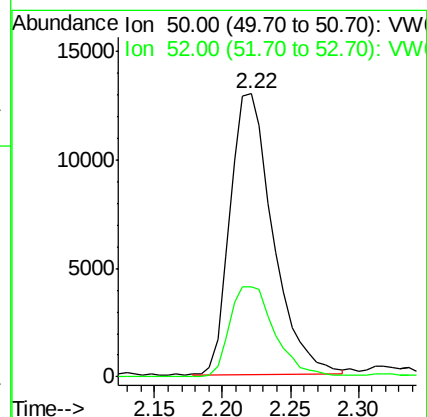
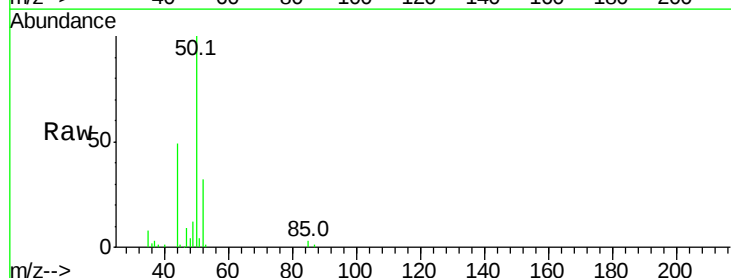
Acq: 07 Dec 2018 14:32

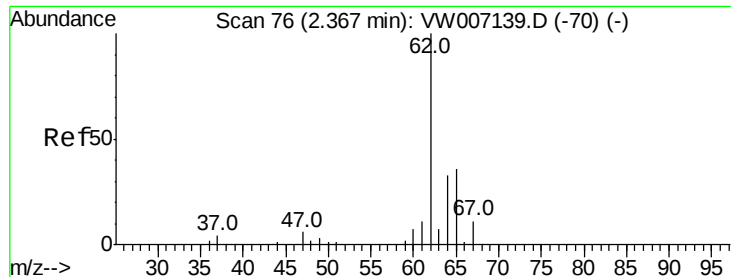
Tgt Ion: 50 Resp: 28592

Ion Ratio Lower Upper

50 100

52 31.7 23.0 42.6





#5

Vinyl chloride

Concen: 18.152 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

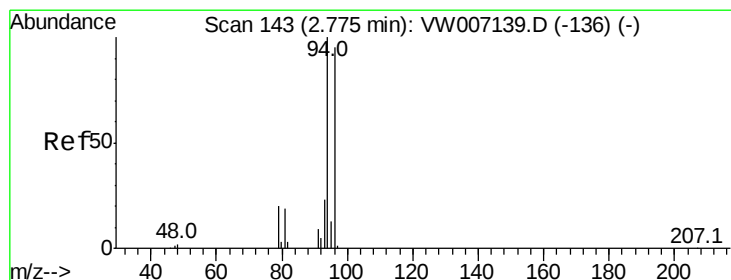
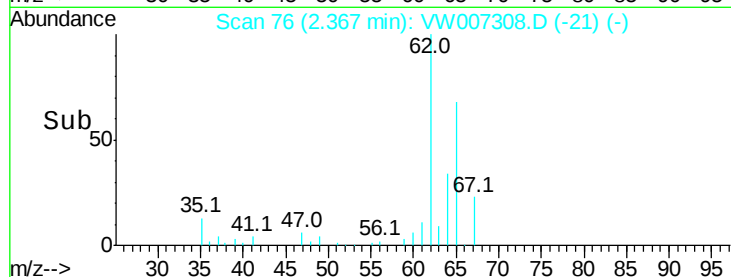
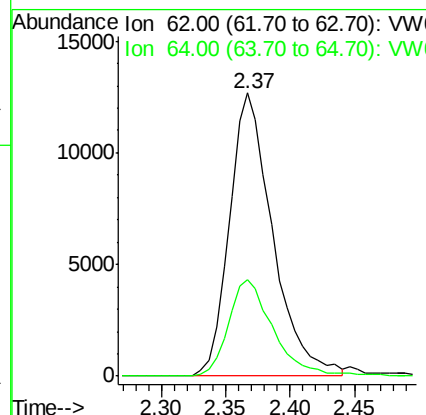
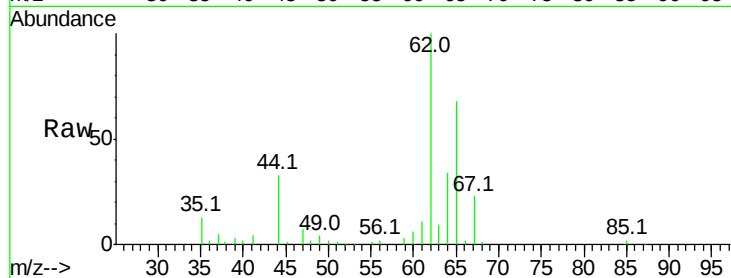
VSTD02594

Tgt Ion: 62 Resp: 29651

Ion Ratio Lower Upper

62 100

64 34.1 23.5 43.7



#6

Bromomethane

Concen: 20.994 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007308.D

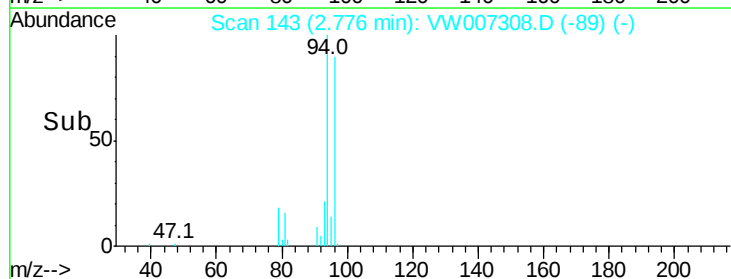
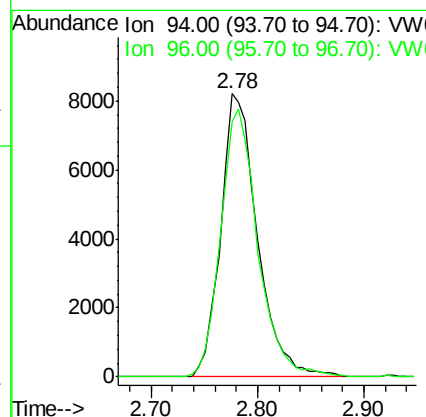
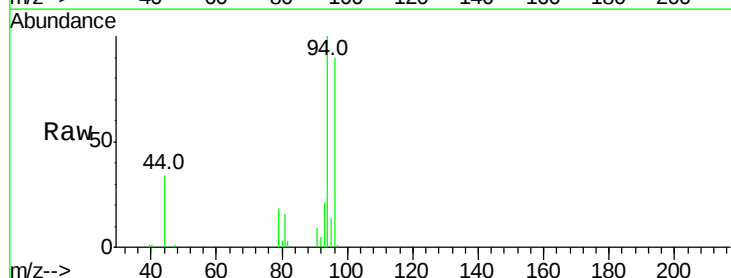
Acq: 07 Dec 2018 14:32

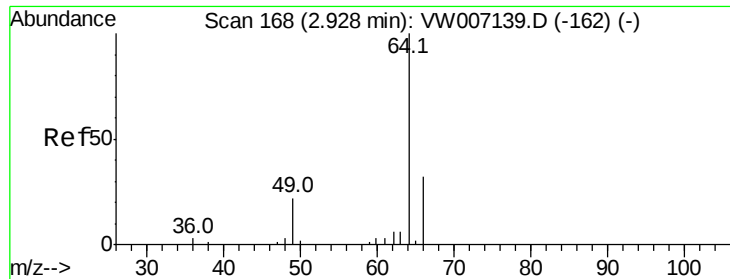
Tgt Ion: 94 Resp: 19674

Ion Ratio Lower Upper

94 100

96 95.7 9.3 176.7





#8

Chloroethane

Concen: 19.160 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampled :

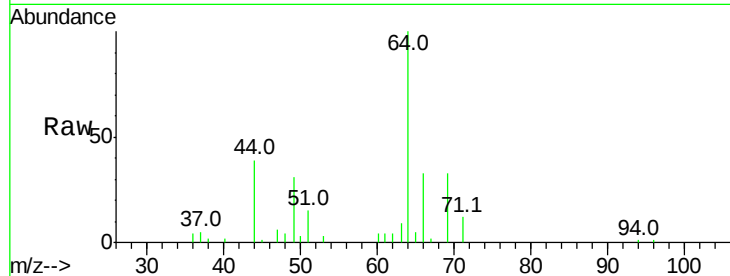
VSTD02594

Tgt Ion: 64 Resp: 16866

Ion Ratio Lower Upper

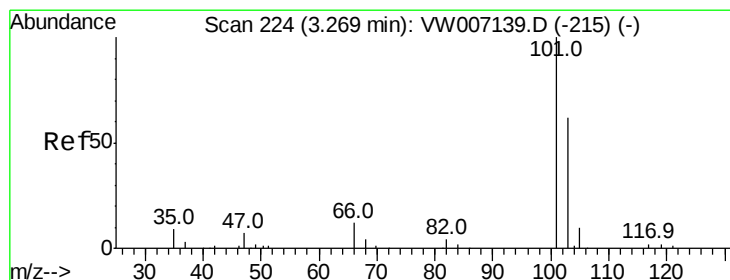
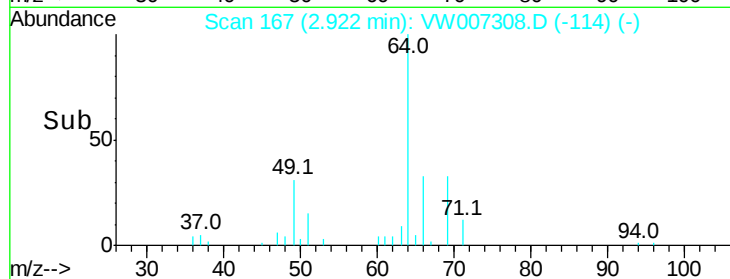
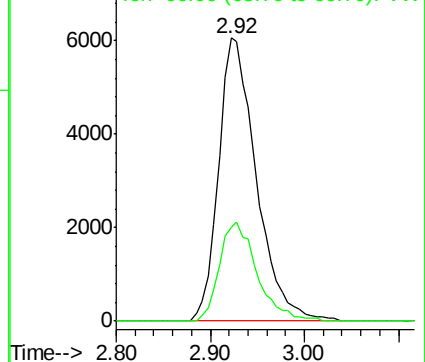
64 100

66 33.2 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 10.794 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007308.D

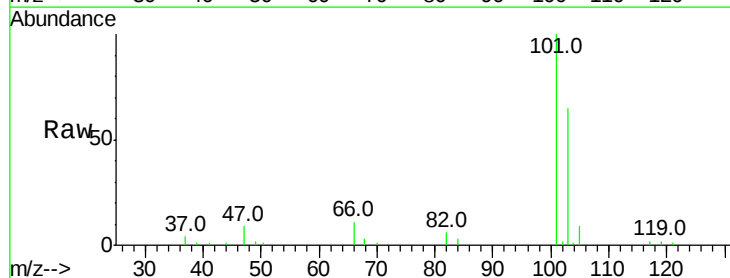
Acq: 07 Dec 2018 14:32

Tgt Ion: 101 Resp: 33034

Ion Ratio Lower Upper

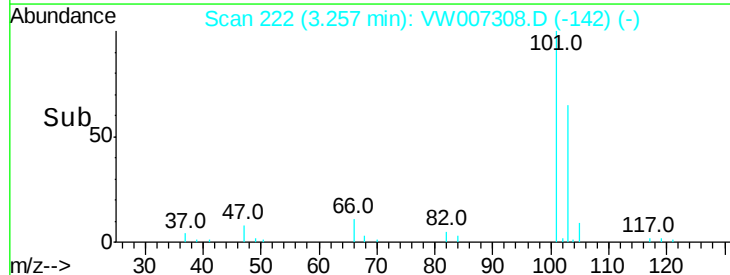
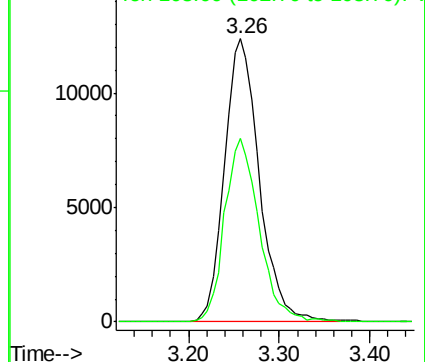
101 100

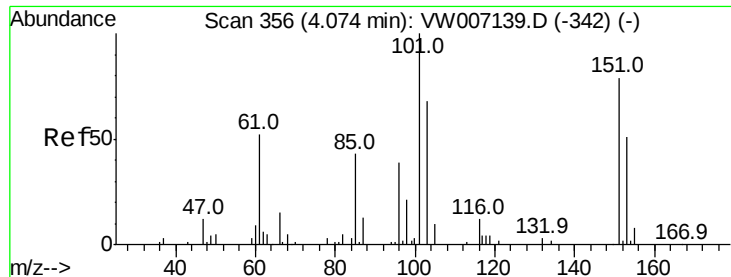
103 63.8 44.4 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 22.916 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampled :

VSTD02594

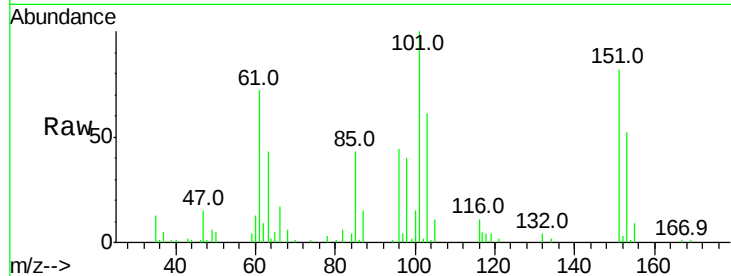
Tgt Ion:101 Resp: 41388

Ion Ratio Lower Upper

101 100

85 44.3 34.8 52.2

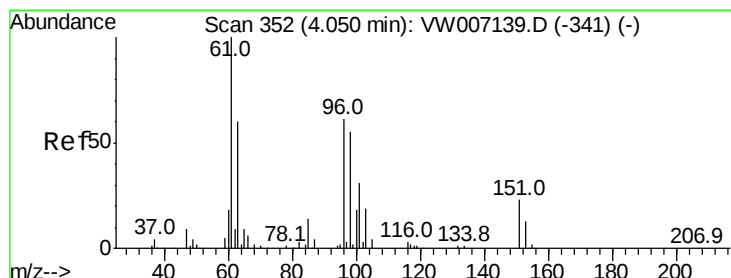
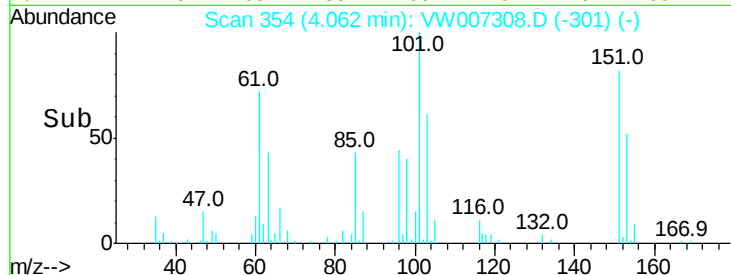
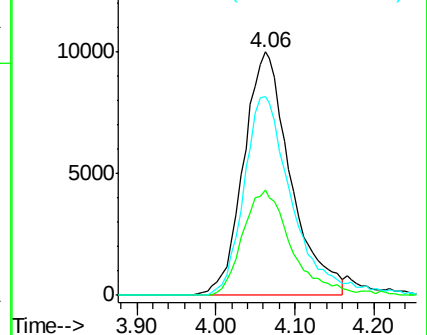
151 81.0 62.8 94.2



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: 25.851 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

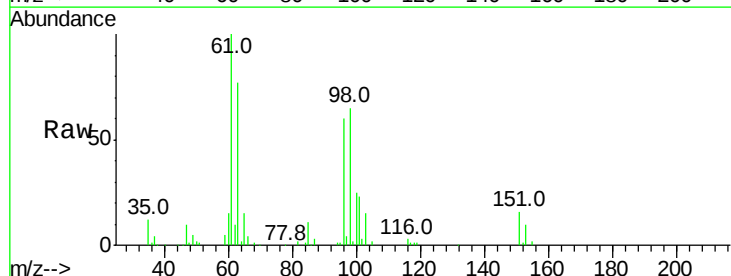
Tgt Ion: 96 Resp: 41139

Ion Ratio Lower Upper

96 100

61 167.5 114.9 213.5

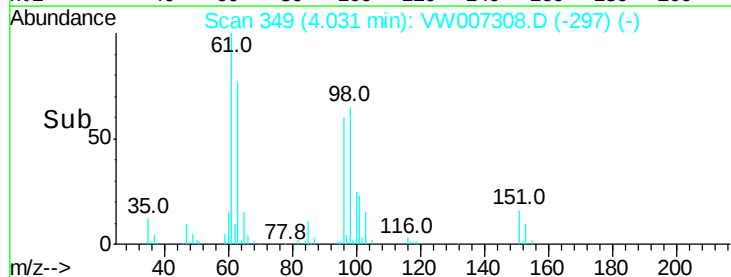
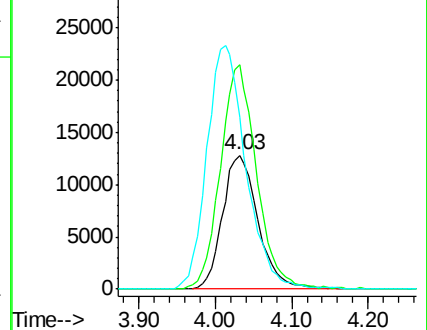
63 128.2 73.1 135.7

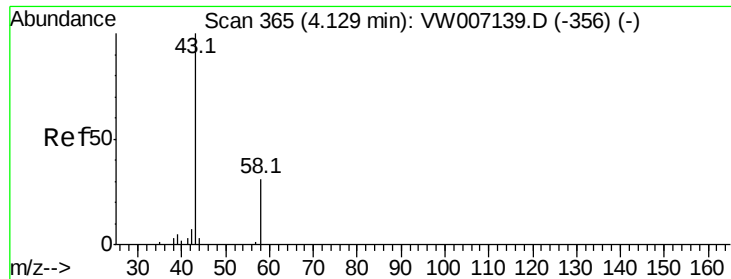


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 86.799 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

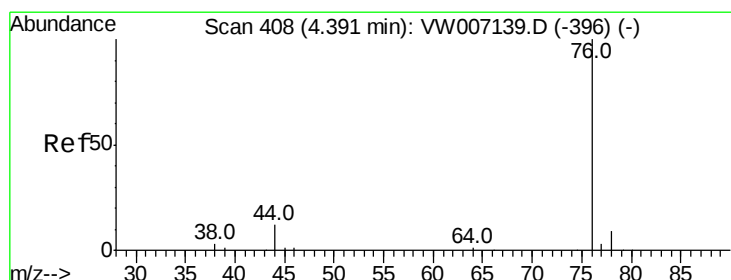
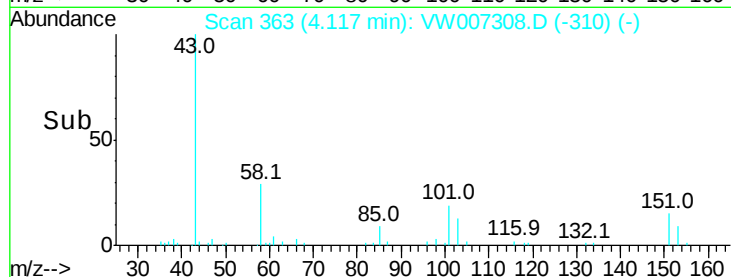
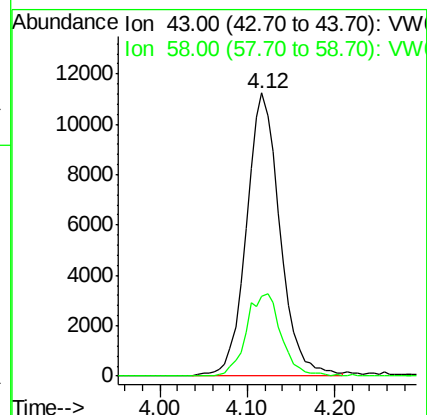
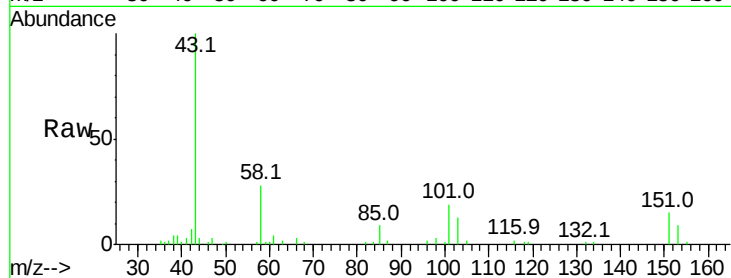
VSTD02594

Tgt Ion: 43 Resp: 29949

Ion Ratio Lower Upper

43 100

58 29.6 0.0 62.4



#14

Carbon disulfide

Concen: 21.375 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007308.D

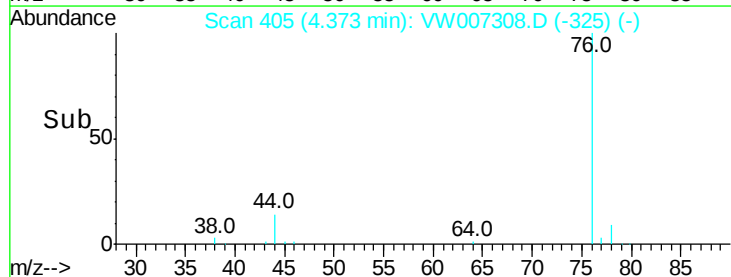
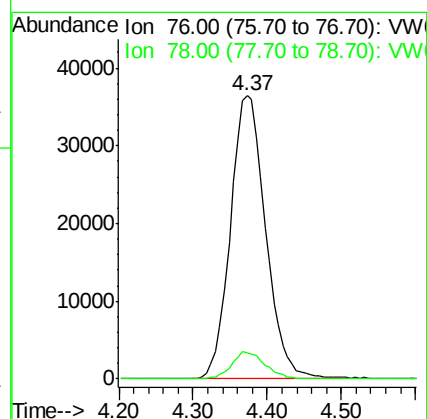
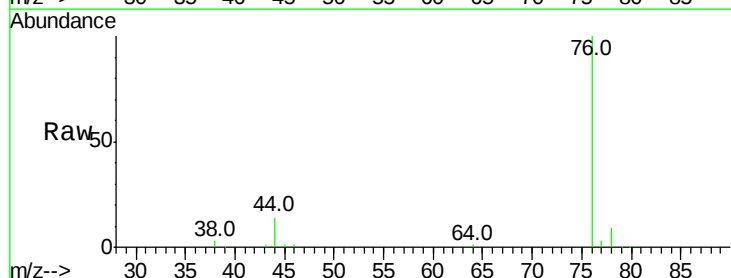
Acq: 07 Dec 2018 14:32

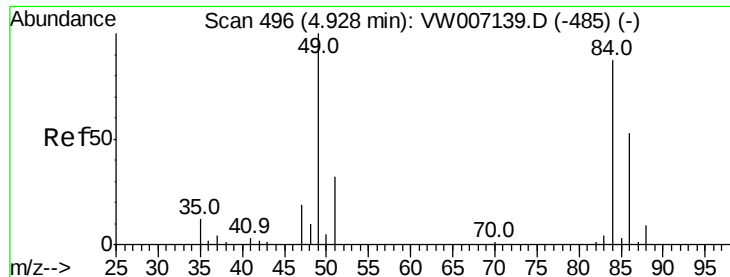
Tgt Ion: 76 Resp: 120382

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3

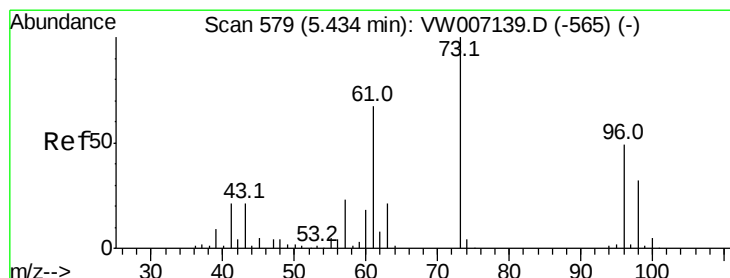
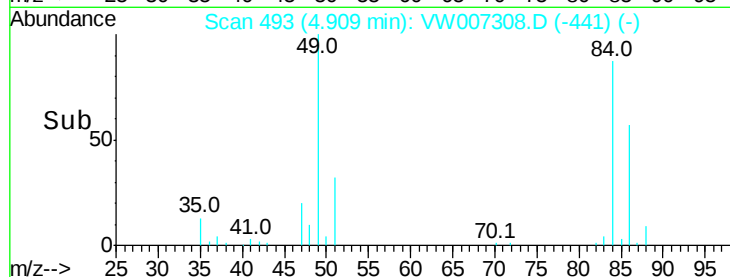
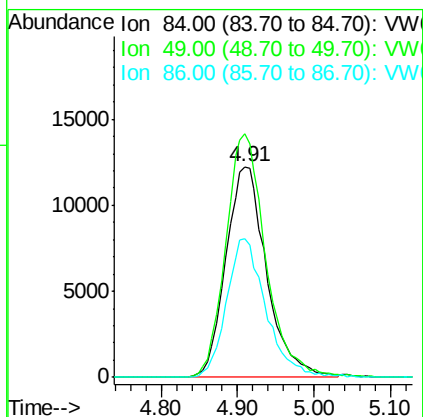
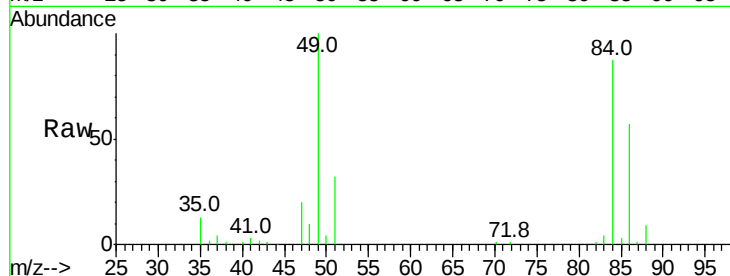




#16
Methylene chloride
Concen: 19.758 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

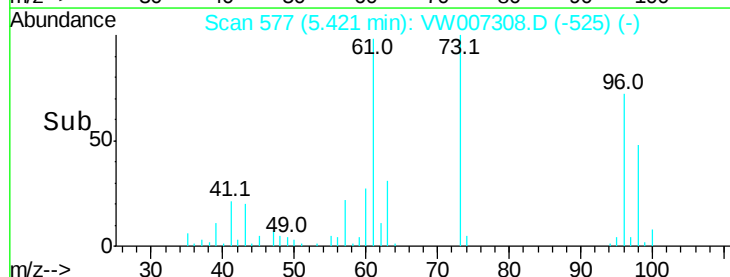
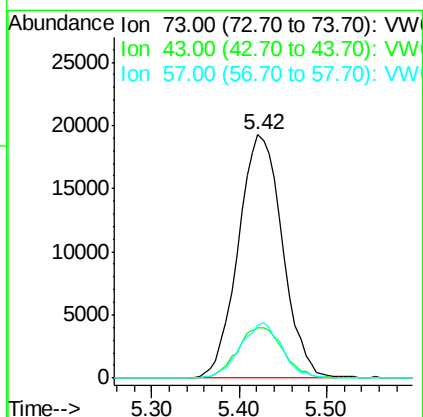
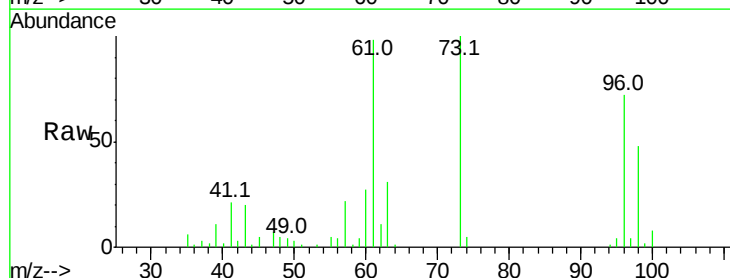
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

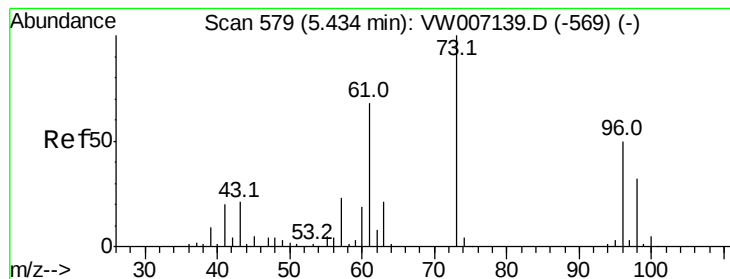
Tgt Ion: 84 Resp: 45156
Ion Ratio Lower Upper
84 100
49 115.5 80.9 150.3
86 65.5 42.8 79.6



#17
Methyl tert-butyl Ether
Concen: 16.567 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

Tgt Ion: 73 Resp: 67761
Ion Ratio Lower Upper
73 100
43 21.6 16.3 24.5
57 21.3 17.4 26.0





#18

trans-1,2-Dichloroethene

Concen: 24.768 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampled :

VSTD02594

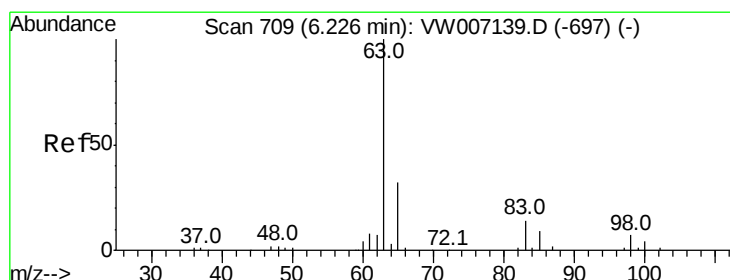
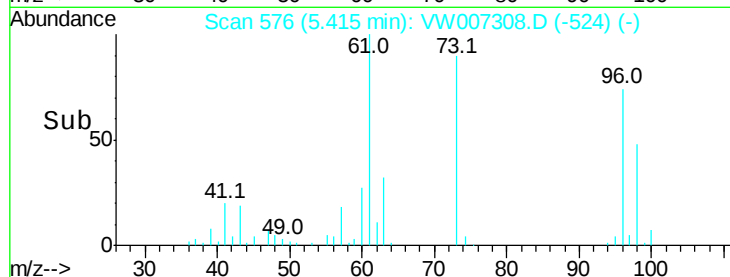
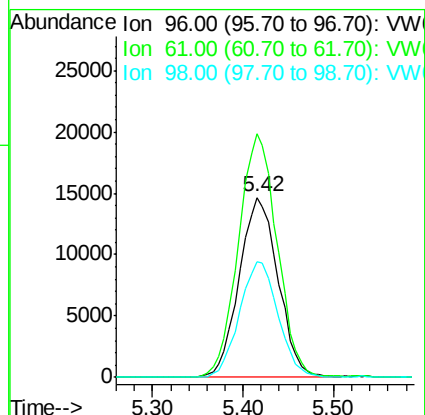
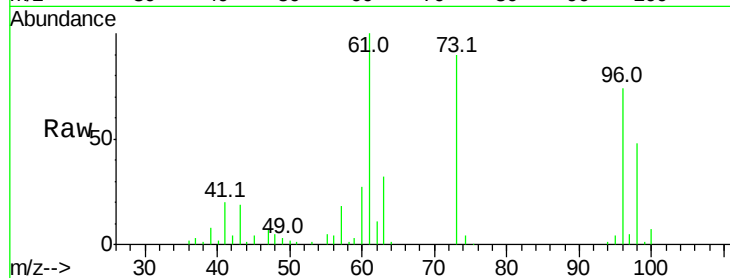
Tgt Ion: 96 Resp: 43581

Ion Ratio Lower Upper

96 100

61 135.2 94.8 176.2

98 64.4 44.9 83.5



#19

1,1-Dichloroethane

Concen: 25.272 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

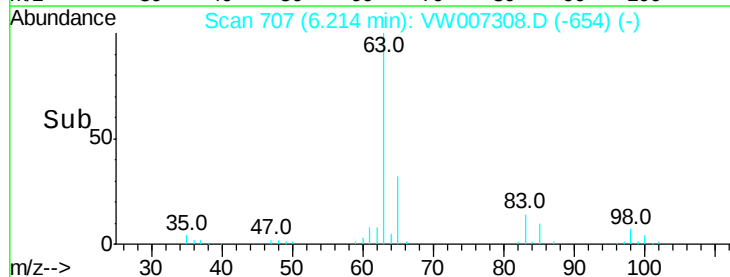
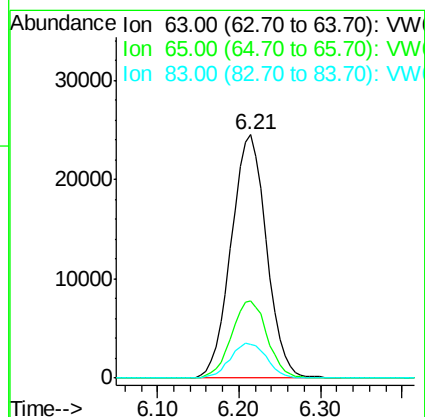
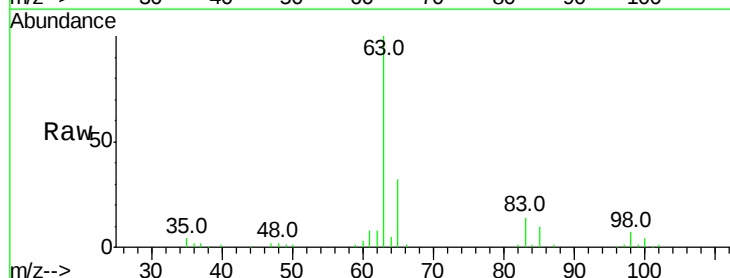
Tgt Ion: 63 Resp: 73554

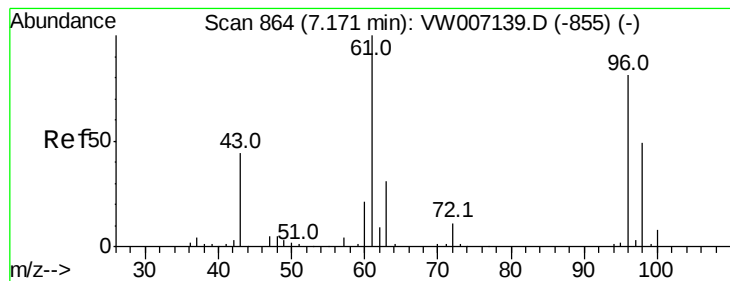
Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 14.0 9.7 17.9





#21

2-Butanone

Concen: 67.208 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

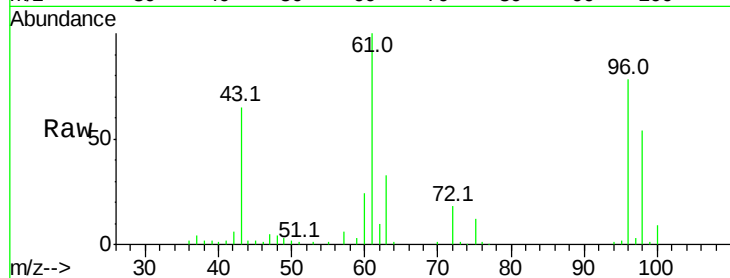
VSTD02594

Tgt Ion: 43 Resp: 35599

Ion Ratio Lower Upper

43 100

72 29.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

15000

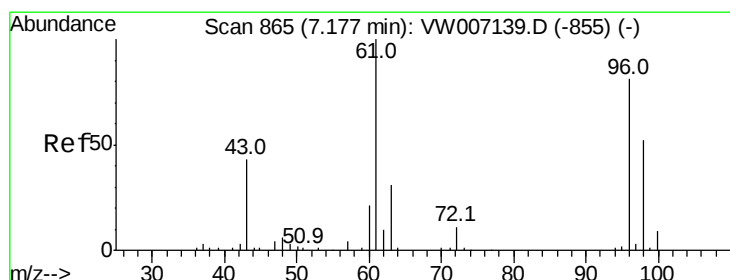
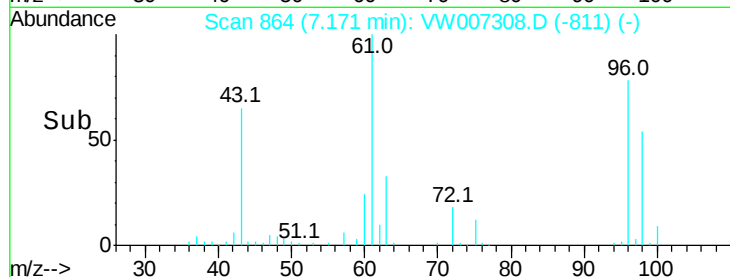
10000

5000

0

Time-->

7.10 7.20



#22

cis-1,2-Dichloroethene

Concen: 24.979 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

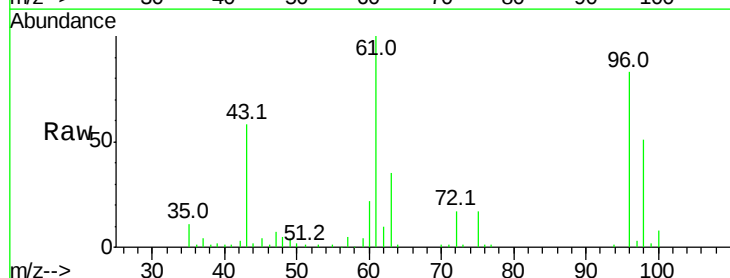
Tgt Ion: 96 Resp: 46998

Ion Ratio Lower Upper

96 100

61 120.9 87.3 162.1

98 61.3 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

7.17

30000

25000

20000

15000

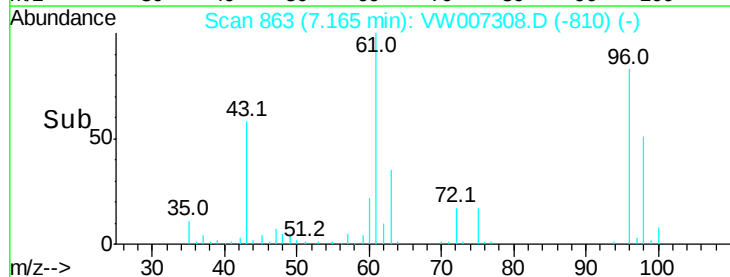
10000

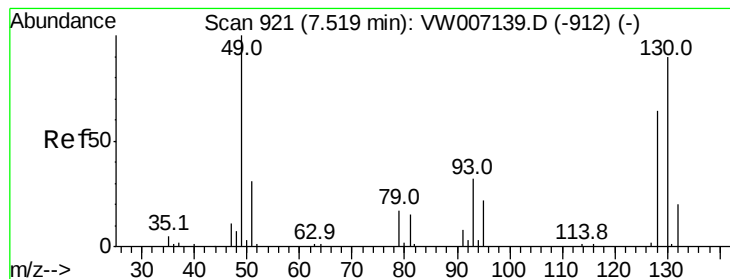
5000

0

Time-->

7.05 7.10 7.15 7.20 7.25





#23

Bromochloromethane

Concen: 26.541 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion:128 Resp: 21728

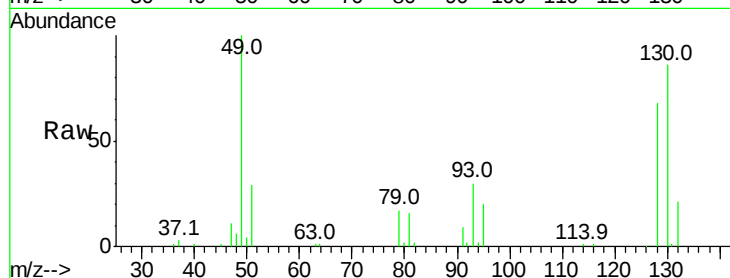
Ion Ratio Lower Upper

128 100

49 146.2 109.9 204.1

130 125.7 98.2 182.4

51 42.8 39.0 58.4

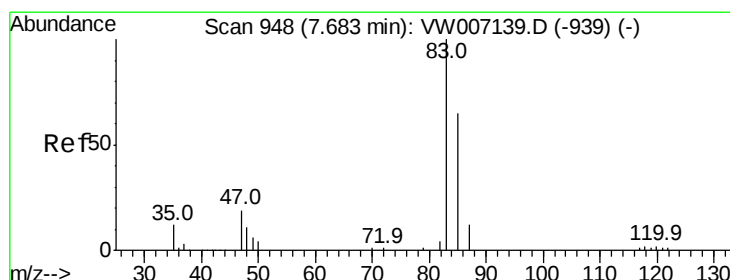
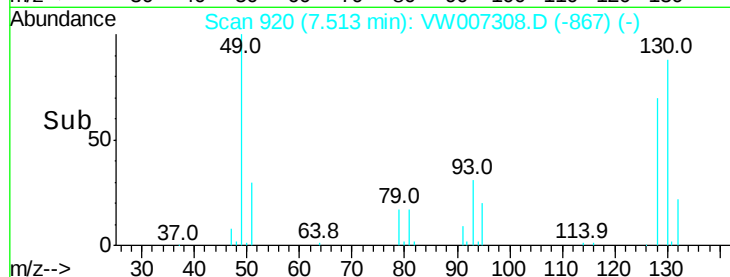
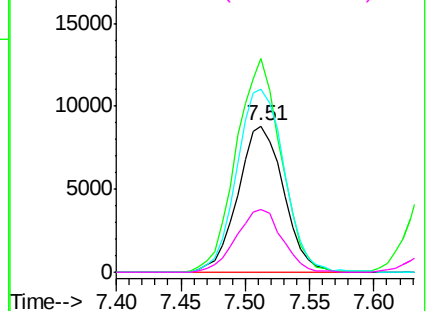


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 25.382 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW007308.D

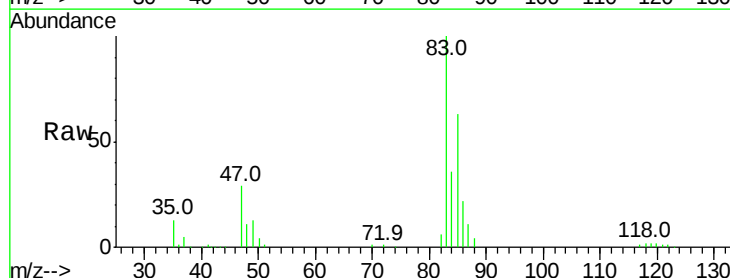
Acq: 07 Dec 2018 14:32

Tgt Ion: 83 Resp: 80149

Ion Ratio Lower Upper

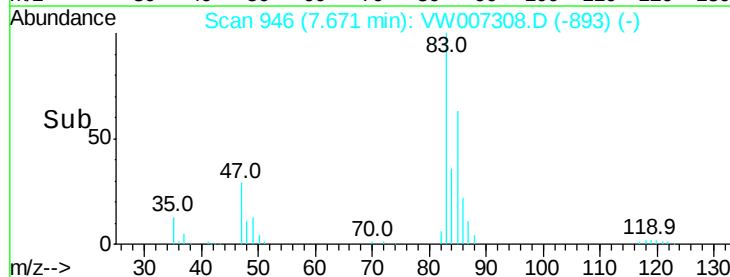
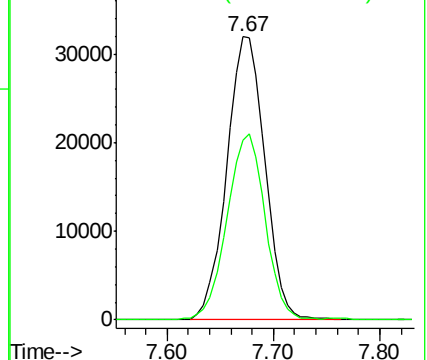
83 100

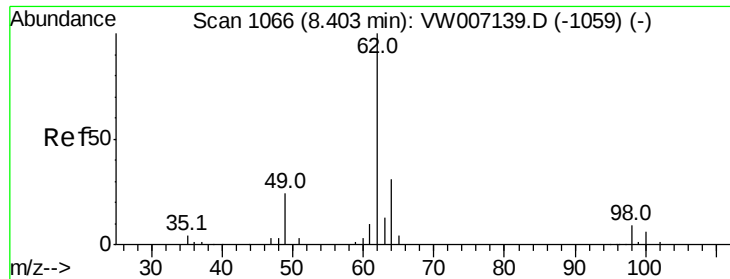
85 65.7 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

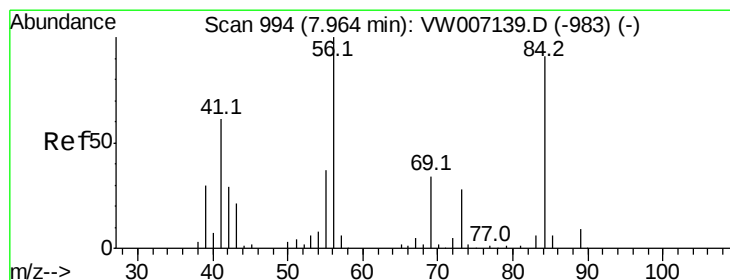
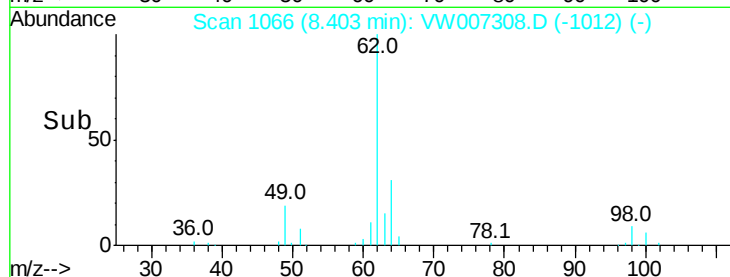
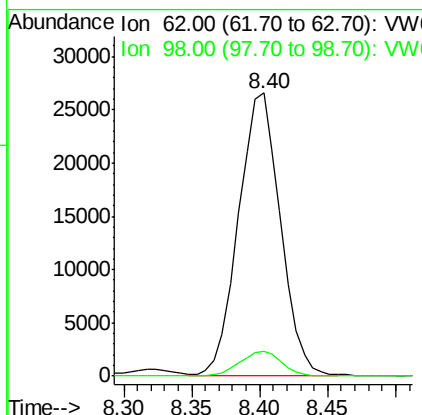
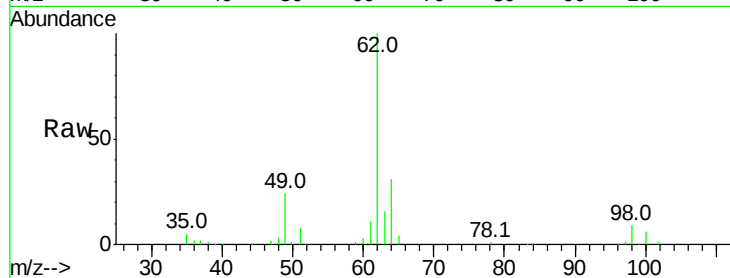




#27
 1,2-Dichloroethane
 Concen: 27.336 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW007308.D
 Acq: 07 Dec 2018 14:32

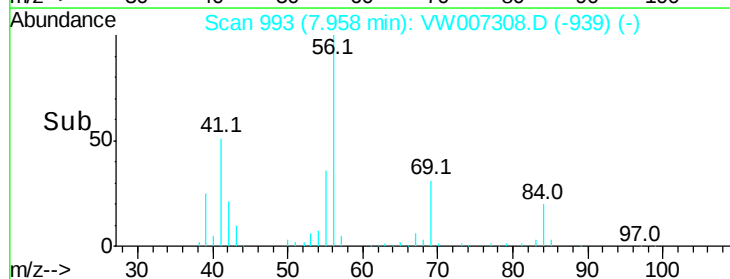
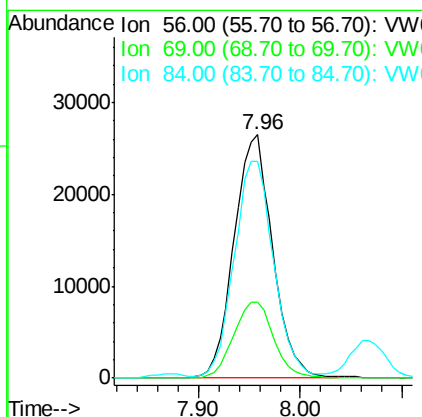
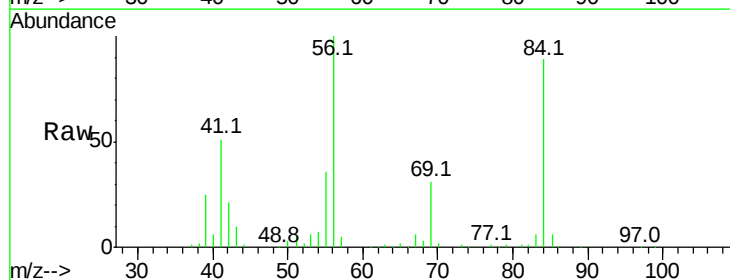
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

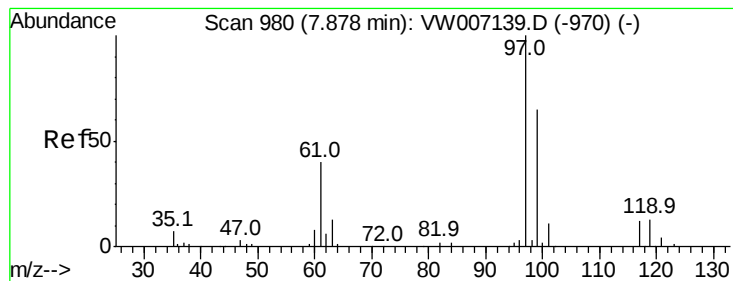
Tgt Ion: 62 Resp: 57263
 Ion Ratio Lower Upper
 62 100
 98 8.6 7.4 11.2



#30
 Cyclohexane
 Concen: 25.535 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW007308.D
 Acq: 07 Dec 2018 14:32

Tgt Ion: 56 Resp: 69608
 Ion Ratio Lower Upper
 56 100
 69 32.5 26.1 39.1
 84 92.0 73.0 109.4





#31

1,1,1-Trichloroethane

Concen: 26.854 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

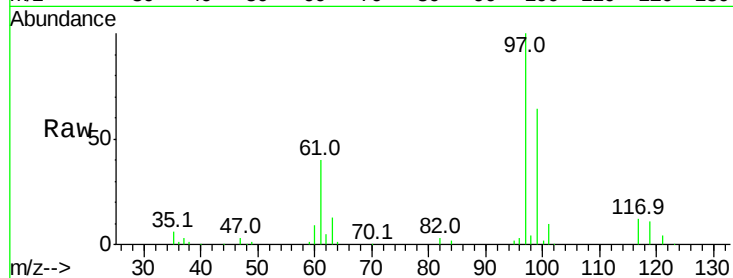
Tgt Ion: 97 Resp: 69543

Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

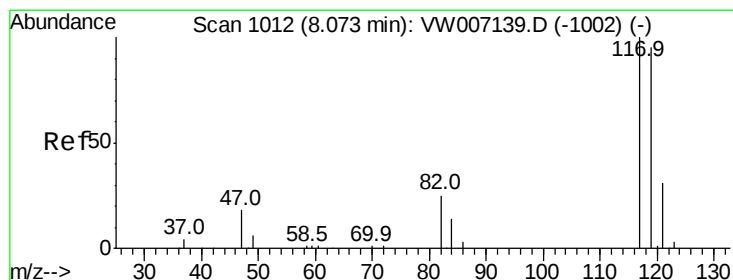
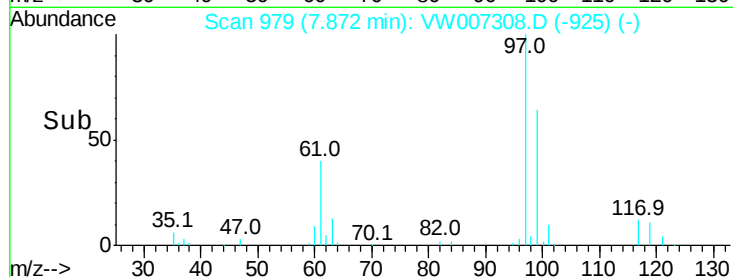
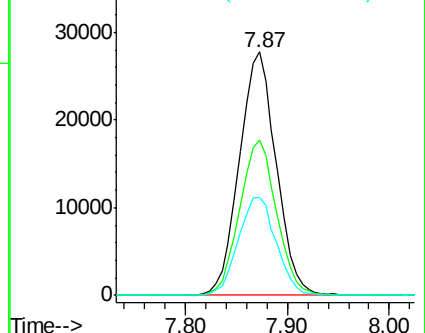
61 41.5 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 28.529 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007308.D

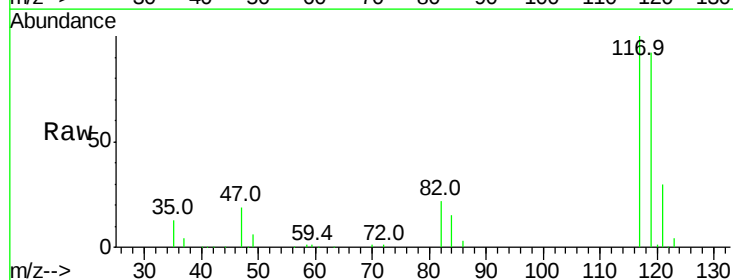
Acq: 07 Dec 2018 14:32

Tgt Ion: 117 Resp: 67054

Ion Ratio Lower Upper

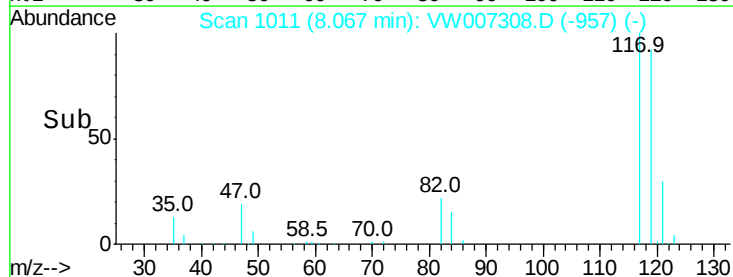
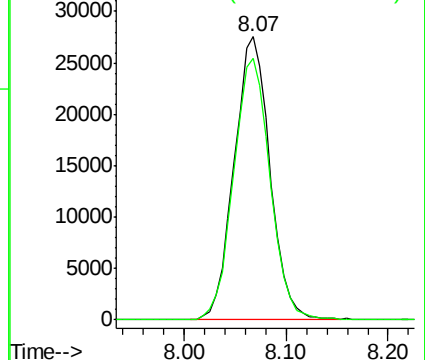
117 100

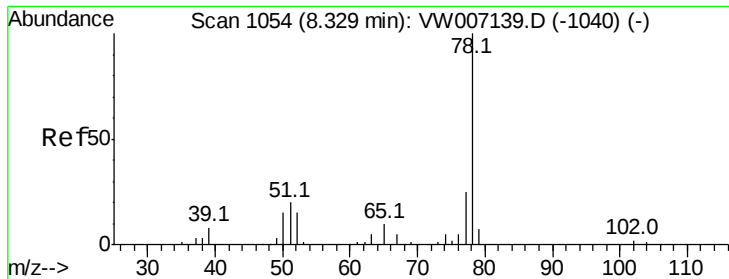
119 94.1 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 25.914 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

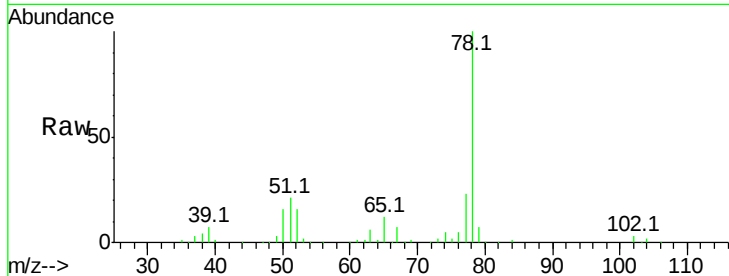
Instrument :

MSVOA_W

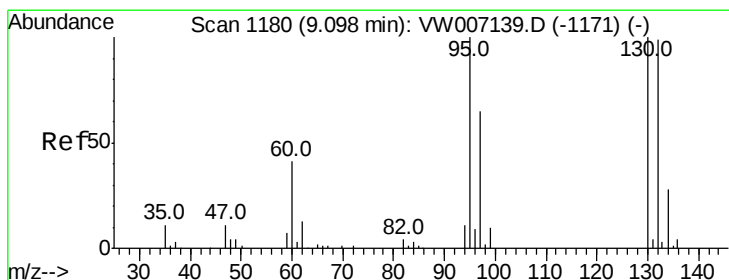
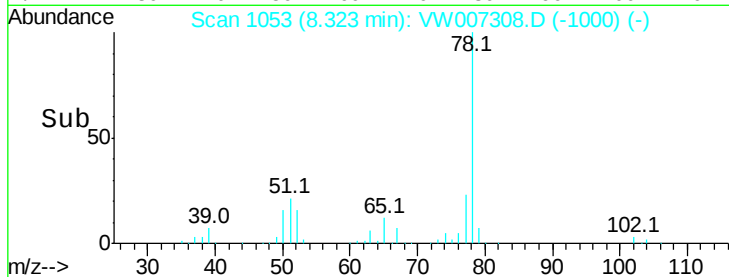
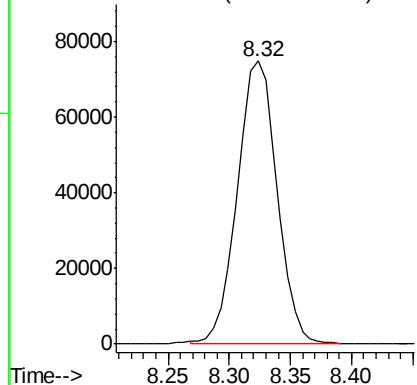
ClientSampleId :

VSTD02594

Tgt Ion: 78 Resp: 167940



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.802 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Tgt Ion: 95 Resp: 47094

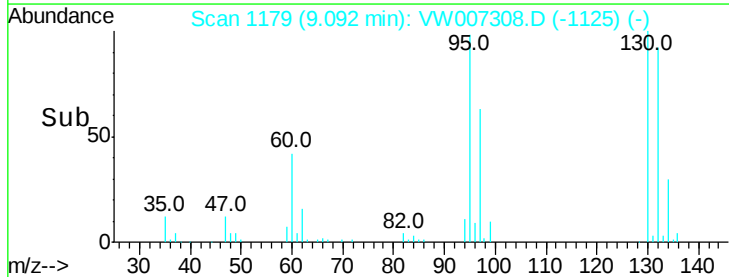
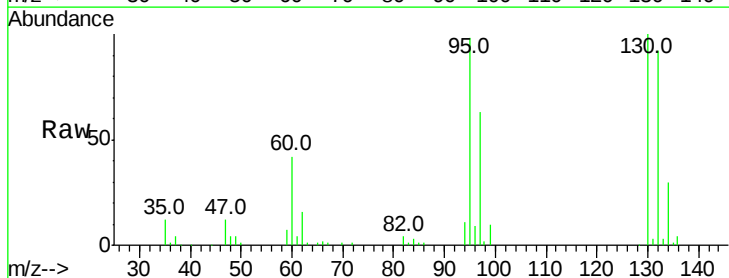
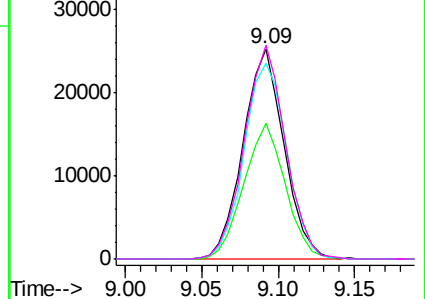
Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.7	83.1
132	97.2	68.2	126.6
130	102.3	70.9	131.7

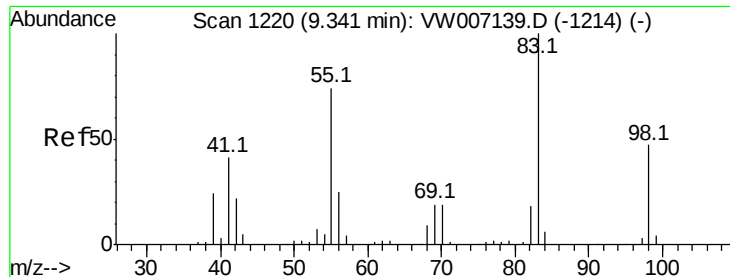
Abundance Ion 95.00 (94.70 to 95.70): VW

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

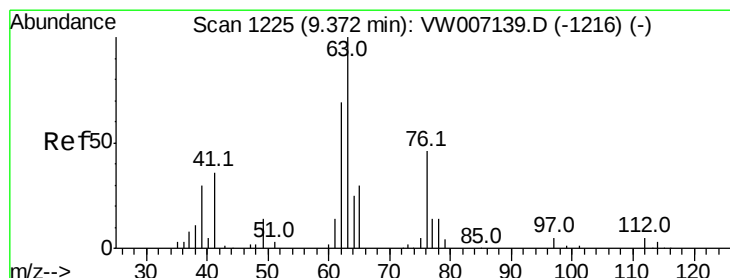
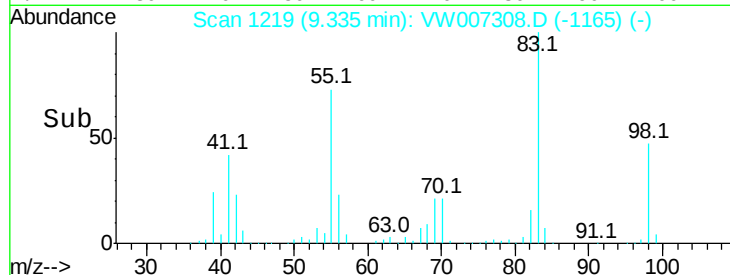
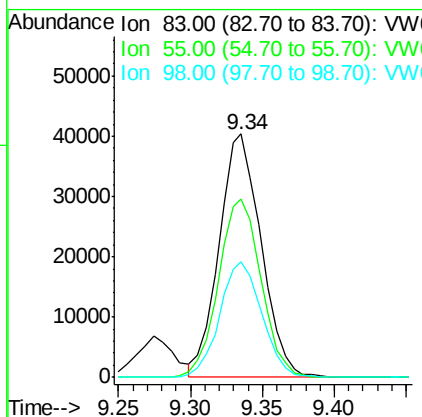
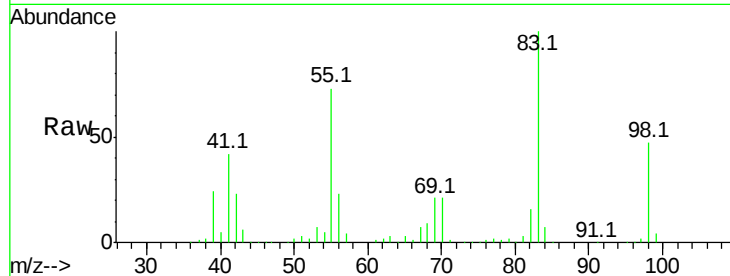




#36
Methylcyclohexane
Concen: 25.189 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

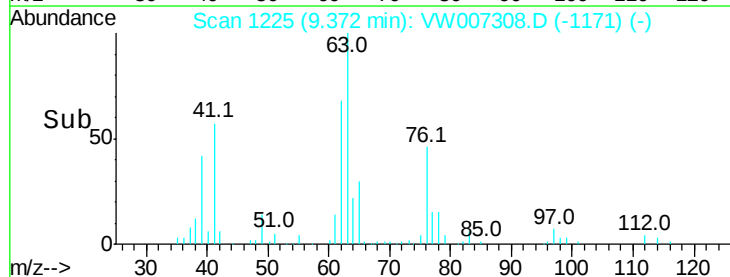
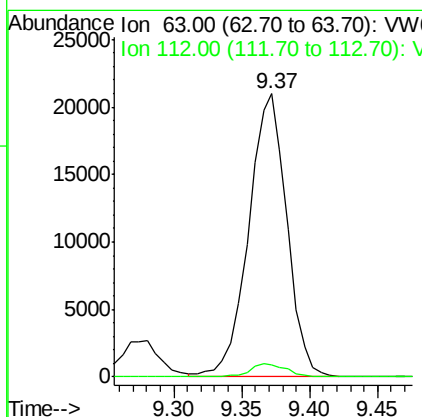
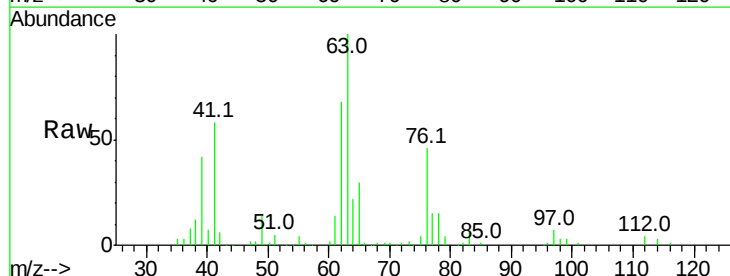
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

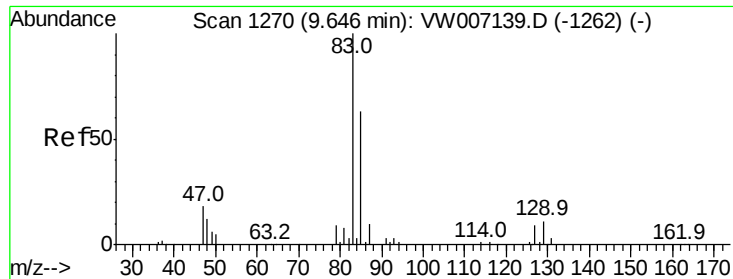
Tgt Ion: 83 Resp: 82182
Ion Ratio Lower Upper
83 100
55 74.3 60.2 90.4
98 47.6 38.8 58.2



#40
1,2-Dichloropropane
Concen: 26.558 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

Tgt Ion: 63 Resp: 41285
Ion Ratio Lower Upper
63 100
112 4.5 3.4 5.2





#41

Bromodichloromethane

Concen: 28.796 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

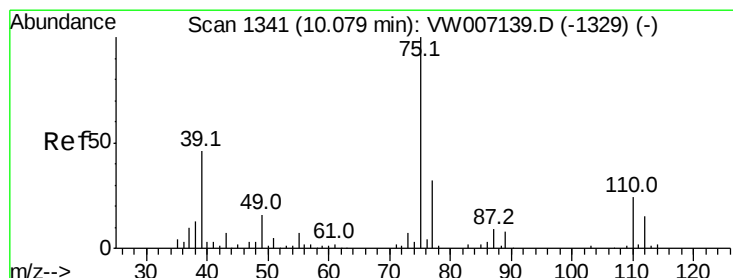
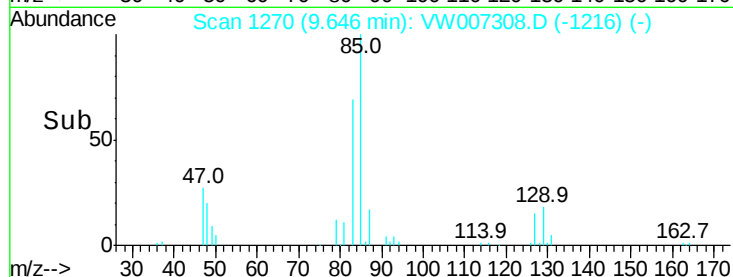
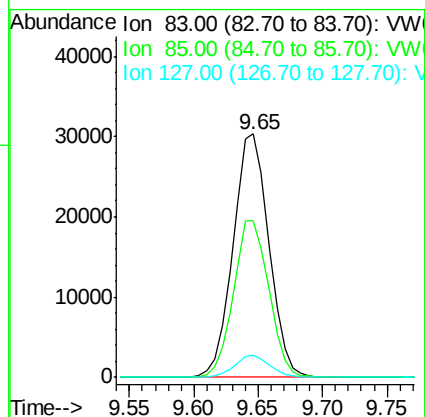
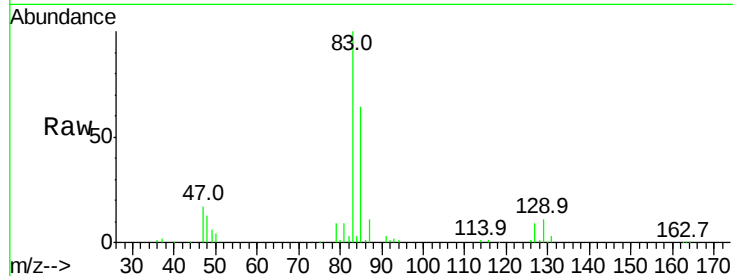
Tgt Ion: 83 Resp: 58605

Ion Ratio Lower Upper

83 100

85 64.2 43.9 81.5

127 9.3 7.1 10.7



#42

cis-1,3-Dichloropropene

Concen: 28.131 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007308.D

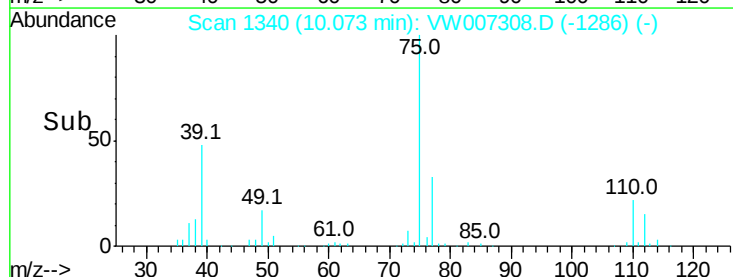
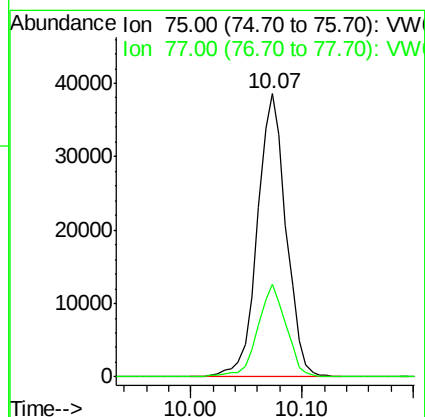
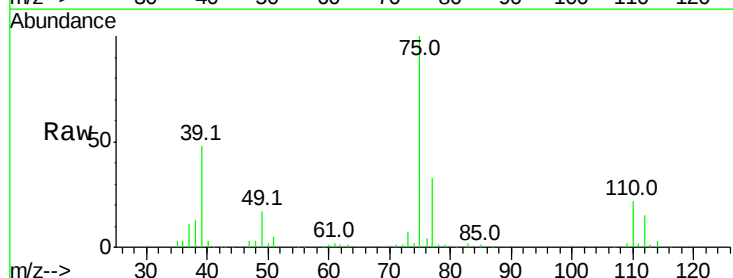
Acq: 07 Dec 2018 14:32

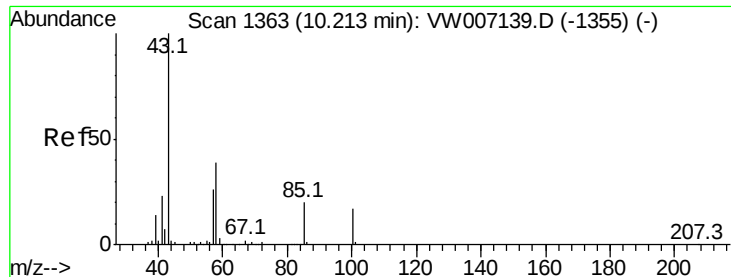
Tgt Ion: 75 Resp: 69455

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.5

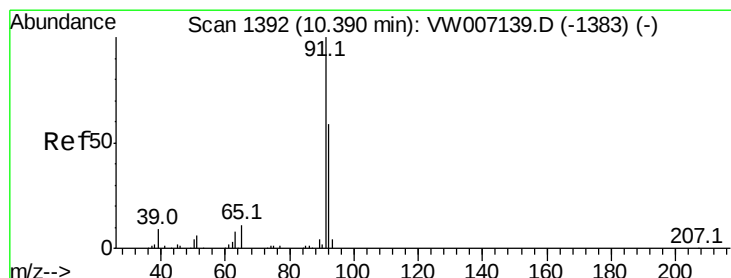
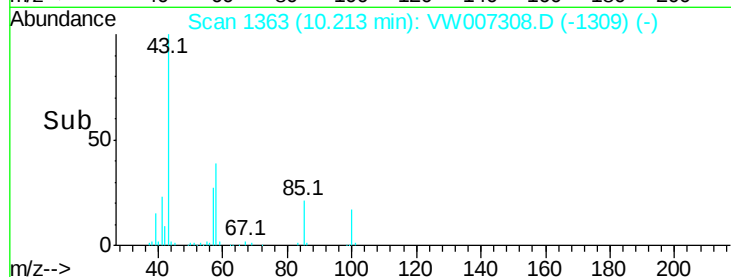
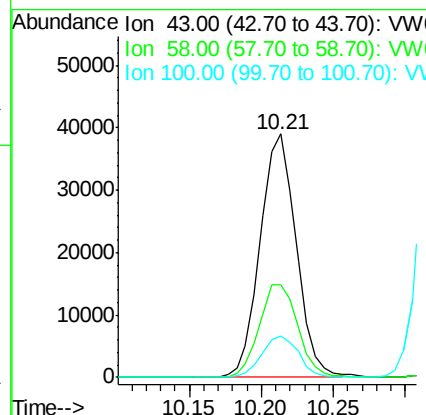
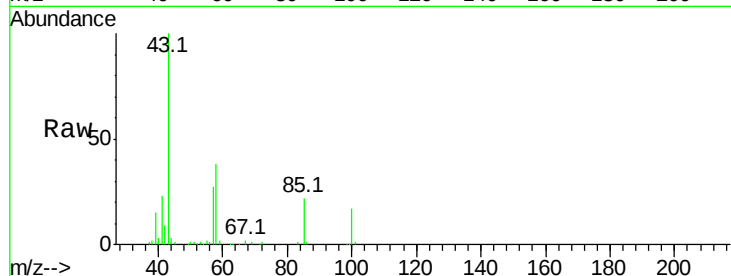




#43
4-Methyl-2-pentanone
Concen: 58.730 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

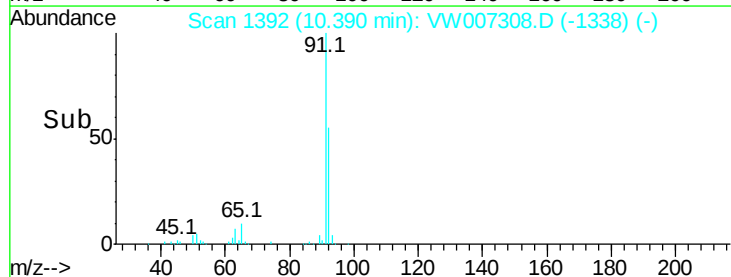
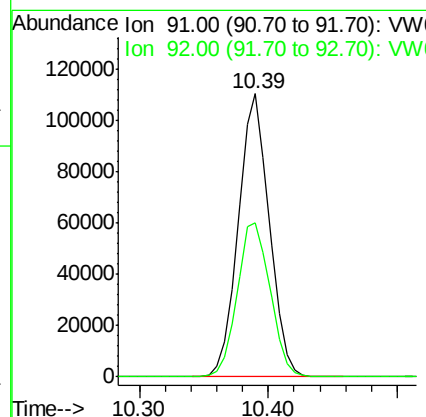
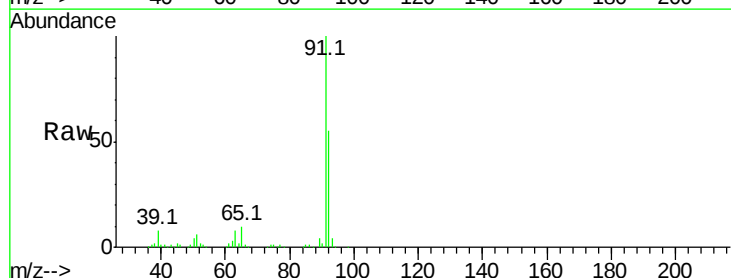
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

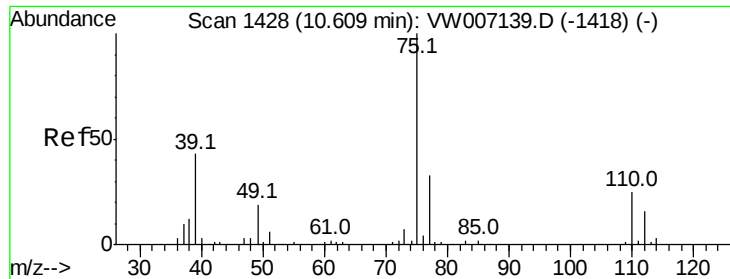
Tgt Ion: 43 Resp: 67556
Ion Ratio Lower Upper
43 100
58 40.7 31.4 47.2
100 17.3 13.1 19.7



#44
Toluene
Concen: 23.744 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

Tgt Ion: 91 Resp: 184379
Ion Ratio Lower Upper
91 100
92 54.6 41.2 76.6





#45

trans-1,3-Dichloropropene

Concen: 28.549 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

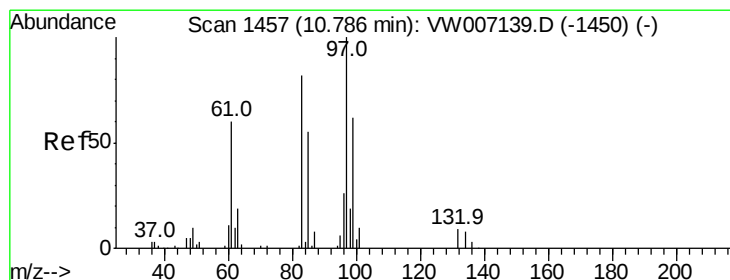
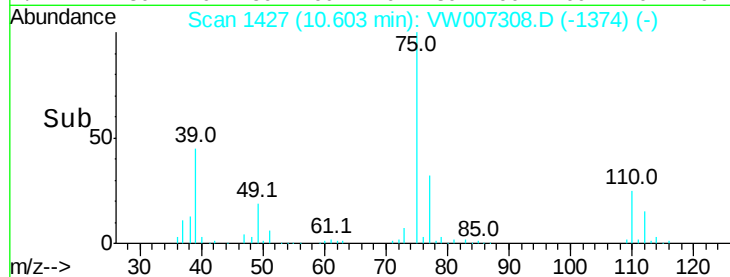
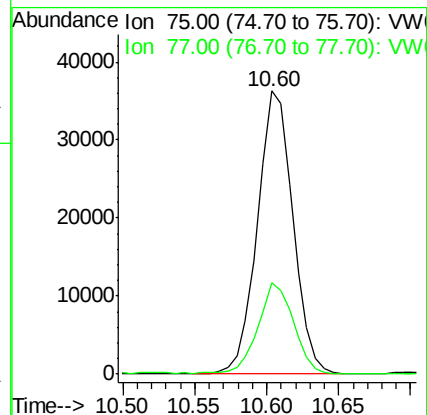
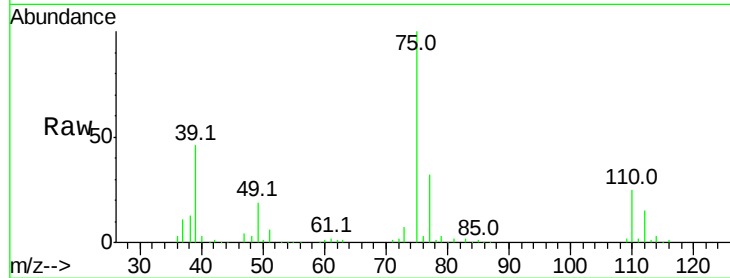
VSTD02594

Tgt Ion: 75 Resp: 61928

Ion Ratio Lower Upper

75 100

77 32.3 23.2 43.2



#46

1,1,2-Trichloroethane

Concen: 27.533 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Tgt Ion: 97 Resp: 33705

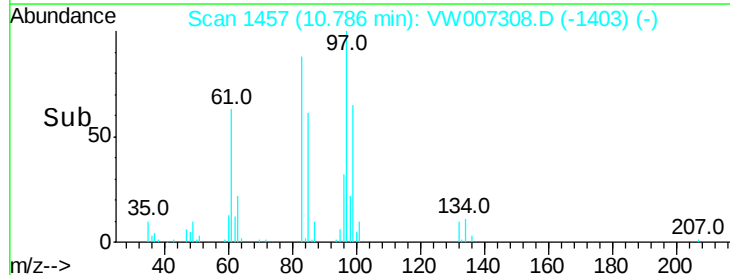
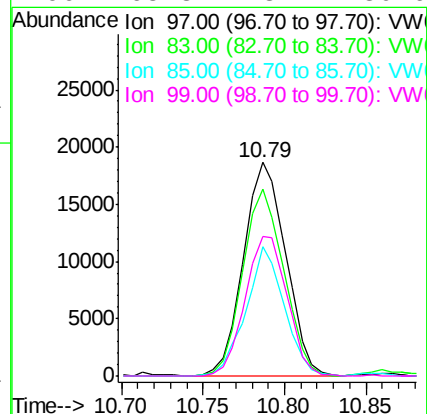
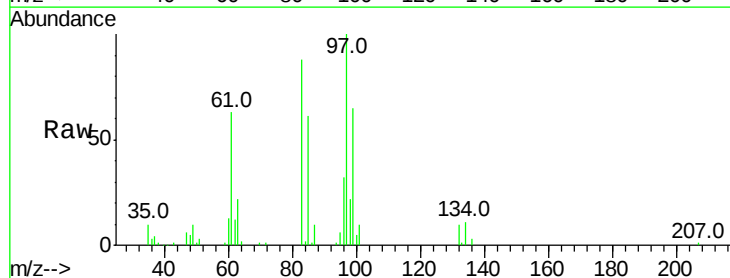
Ion Ratio Lower Upper

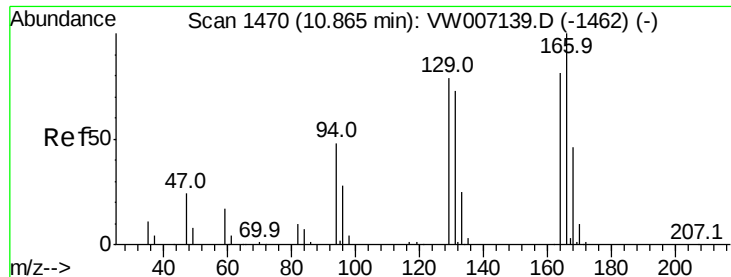
97 100

83 87.5 57.1 106.1

85 60.7 38.6 71.8

99 65.3 43.4 80.6





#47

Tetrachloroethene

Concen: 23.401 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion:164 Resp: 35919

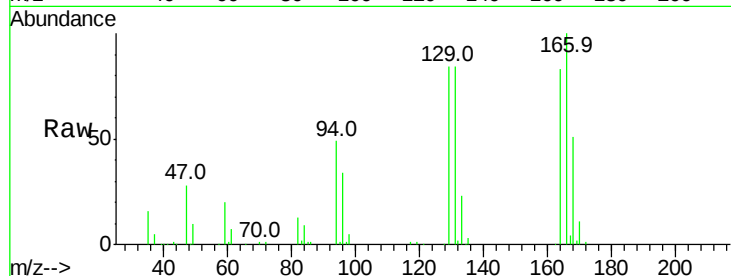
Ion Ratio Lower Upper

164 100

129 101.2 68.5 127.3

131 100.6 63.3 117.7

166 120.3 86.6 160.8

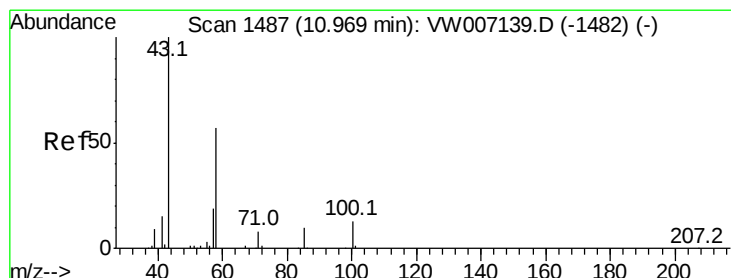
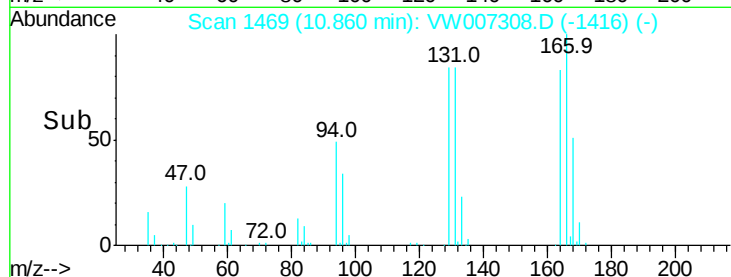
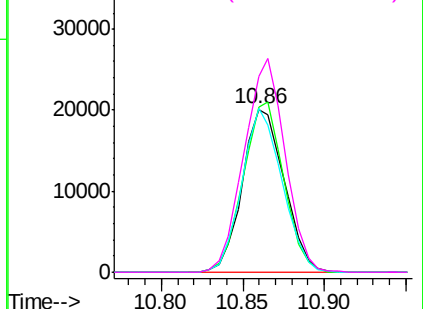


Abundance Ion 164.00 (163.70 to 164.70): V

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: 60.636 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Tgt Ion: 43 Resp: 47214

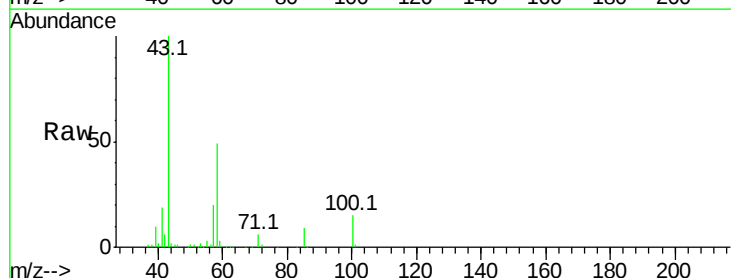
Ion Ratio Lower Upper

43 100

58 59.0 44.2 66.2

57 22.0 16.3 24.5

100 15.2 10.1 15.1#

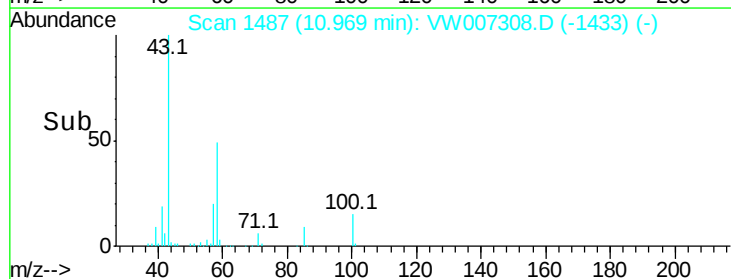
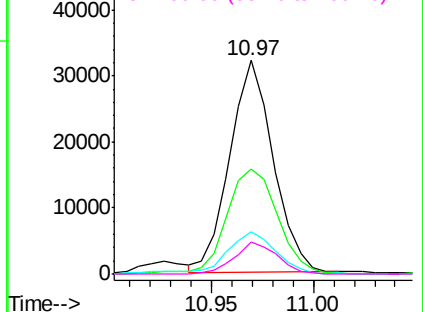


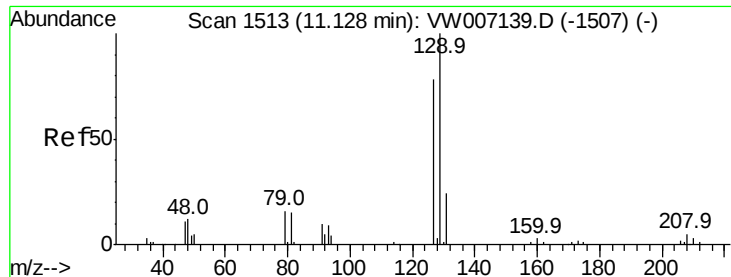
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 28.272 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

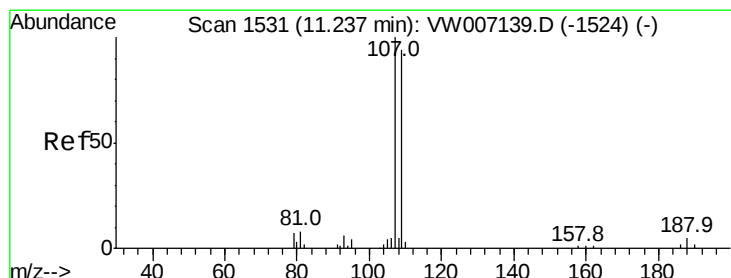
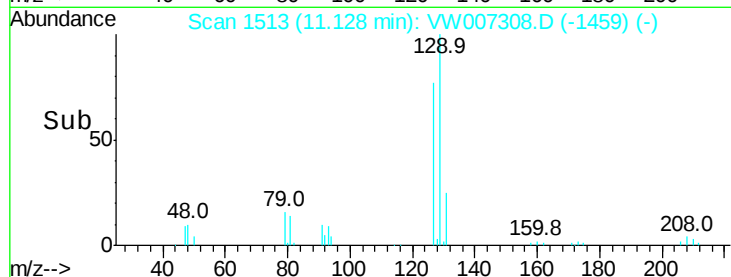
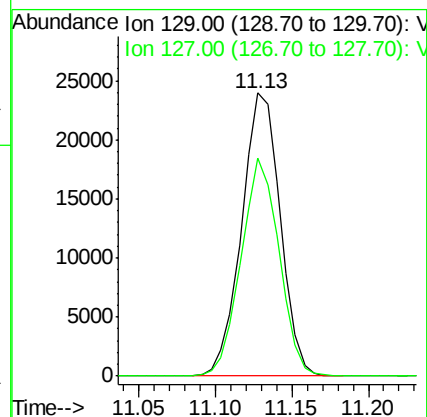
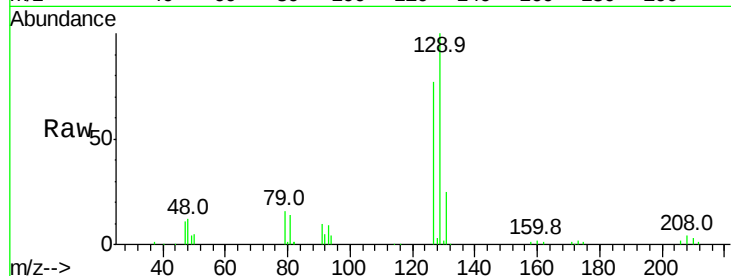
VSTD02594

Tgt Ion:129 Resp: 42156

Ion Ratio Lower Upper

129 100

127 76.9 54.6 101.4



#51

1,2-Dibromoethane

Concen: 27.243 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

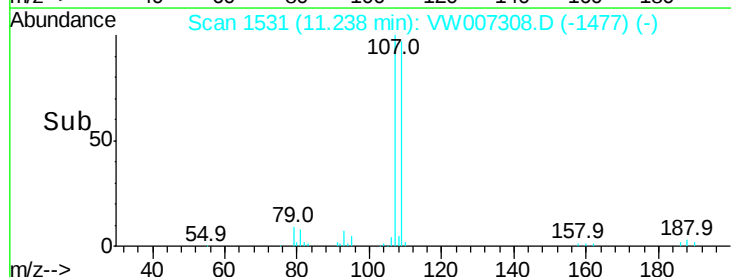
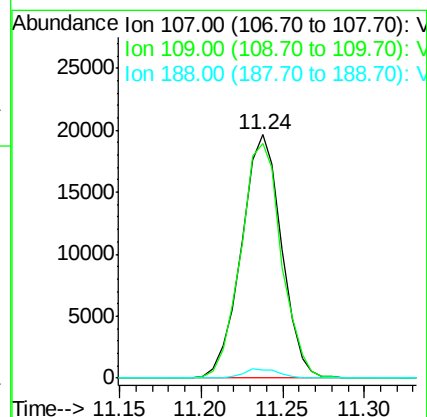
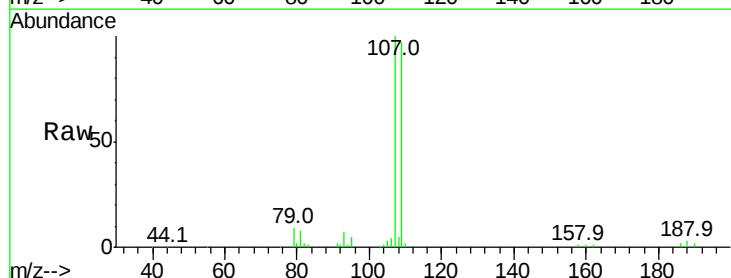
Tgt Ion:107 Resp: 33795

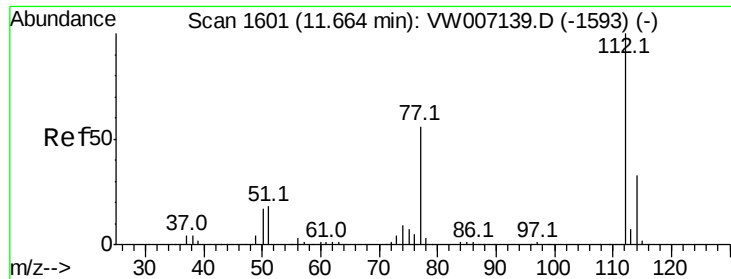
Ion Ratio Lower Upper

107 100

109 96.6 66.0 122.6

188 3.3 3.6 5.4#

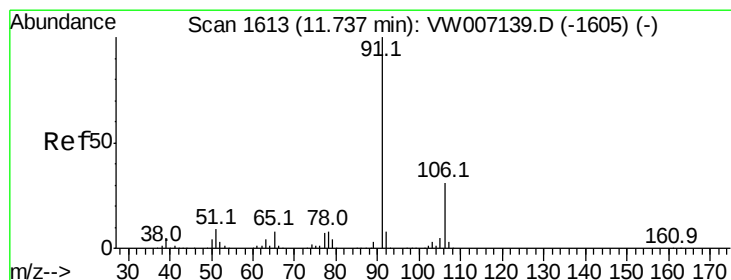
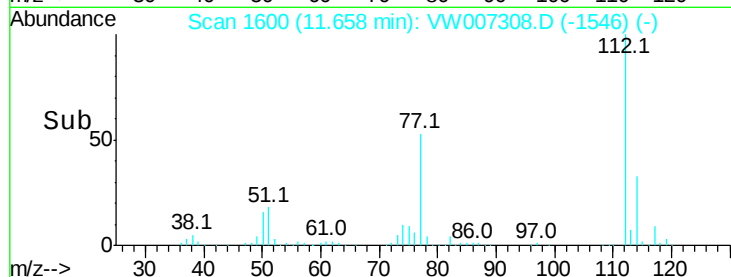
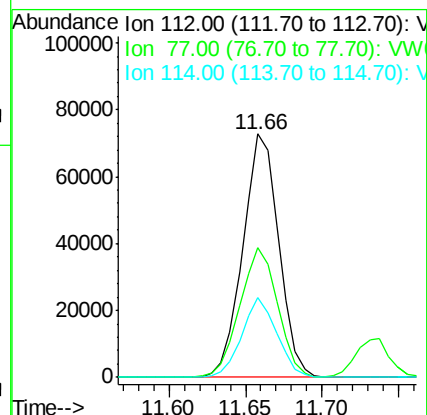
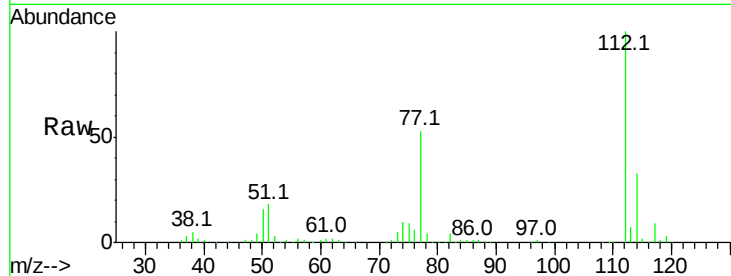




#52
Chlorobenzene
Concen: 23.184 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

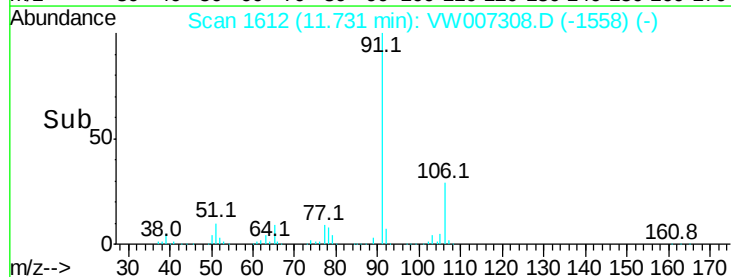
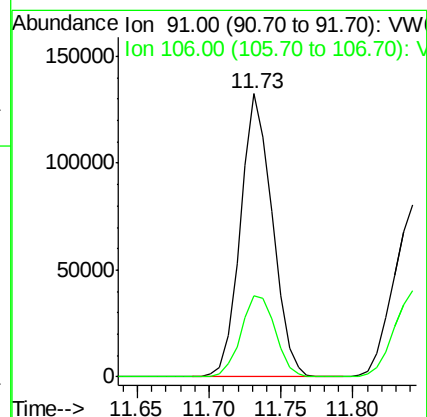
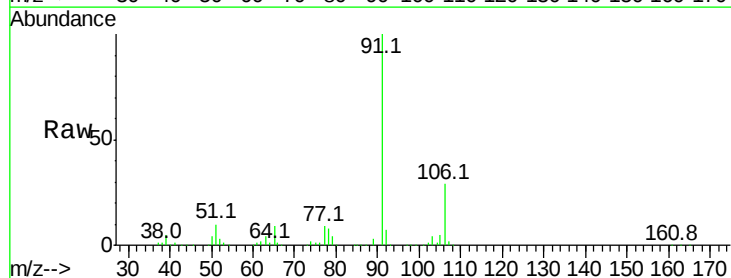
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

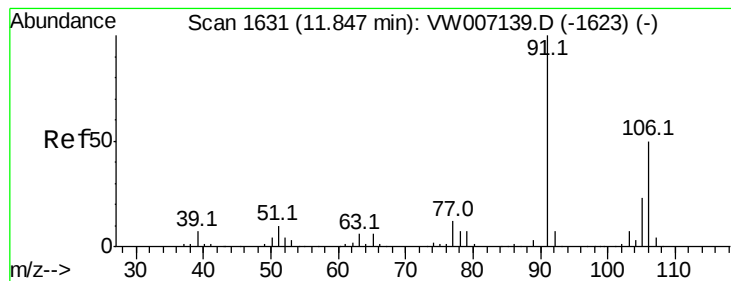
Tgt Ion:112 Resp: 118688
Ion Ratio Lower Upper
112 100
77 53.2 45.0 67.4
114 32.9 22.8 42.4



#53
Ethylbenzene
Concen: 22.650 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007308.D
Acq: 07 Dec 2018 14:32

Tgt Ion: 91 Resp: 203914
Ion Ratio Lower Upper
91 100
106 28.8 21.8 40.4





#54

m,p-Xylene

Concen: 22.300 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

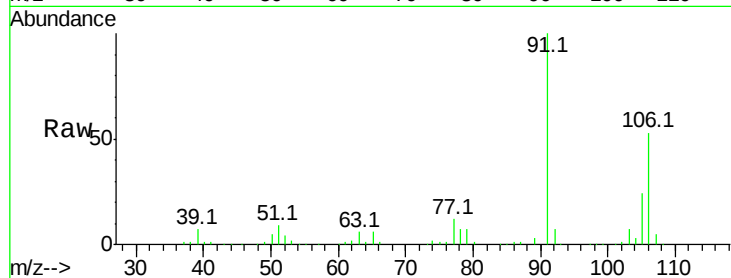
VSTD02594

Tgt Ion:106 Resp: 78335

Ion Ratio Lower Upper

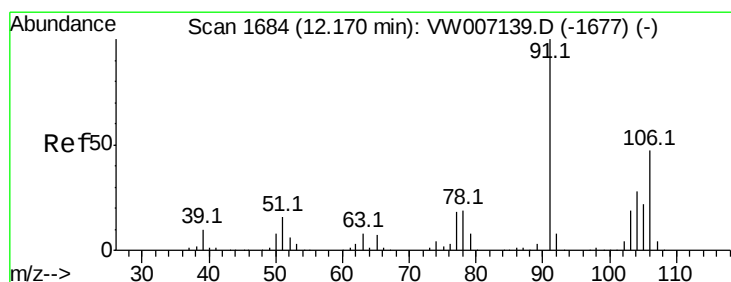
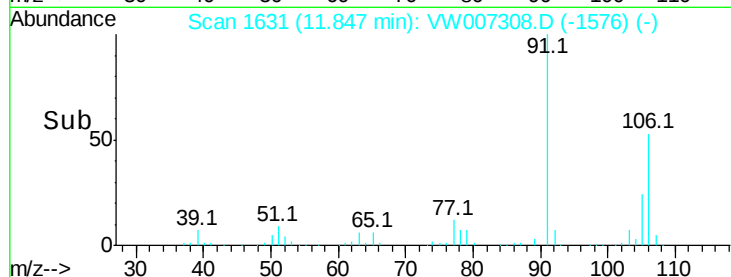
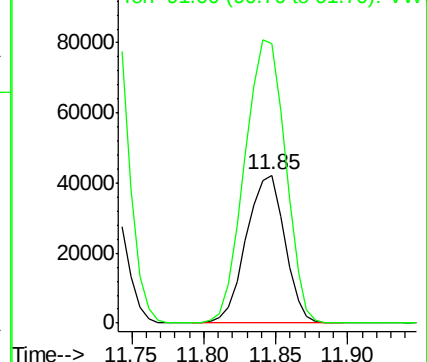
106 100

91 188.9 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 22.533 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007308.D

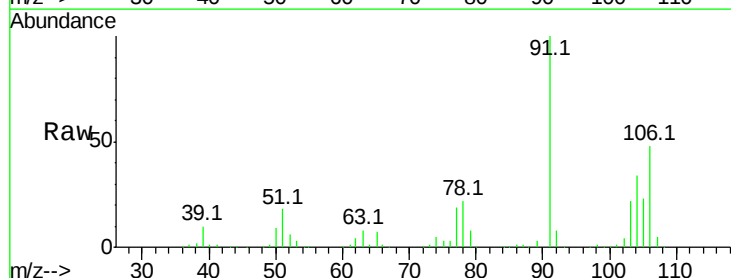
Acq: 07 Dec 2018 14:32

Tgt Ion:106 Resp: 73404

Ion Ratio Lower Upper

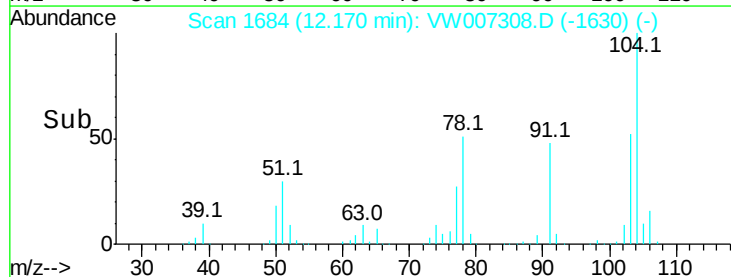
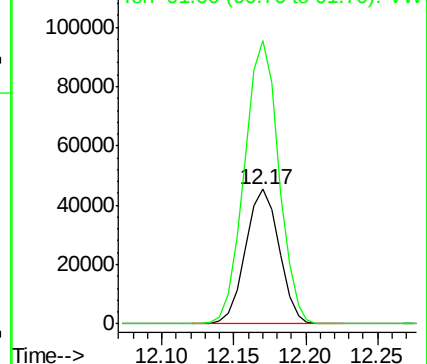
106 100

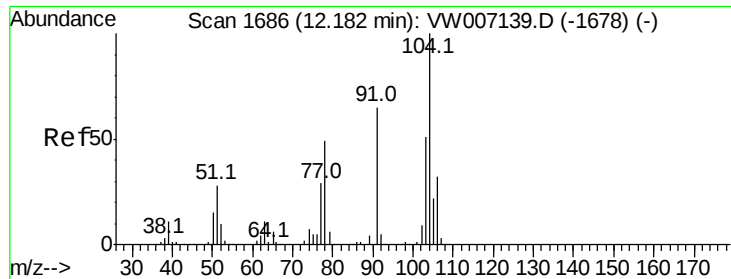
91 210.0 149.0 276.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 23.317 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

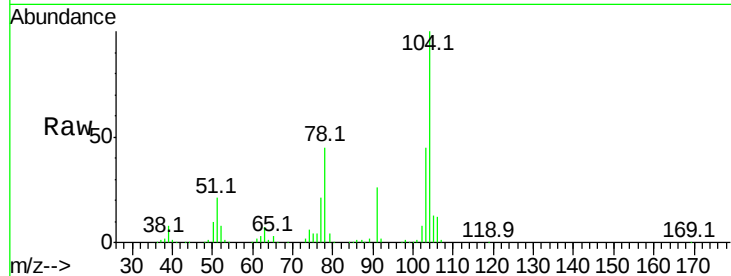
VSTD02594

Tgt Ion:104 Resp: 128453

Ion Ratio Lower Upper

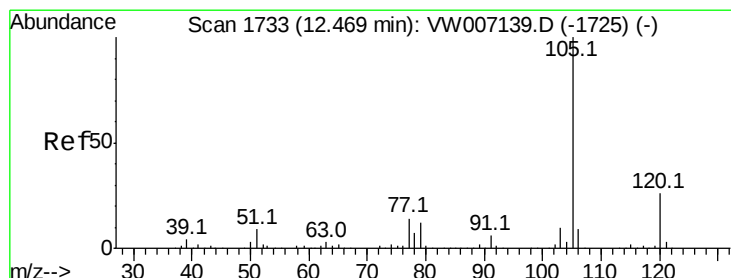
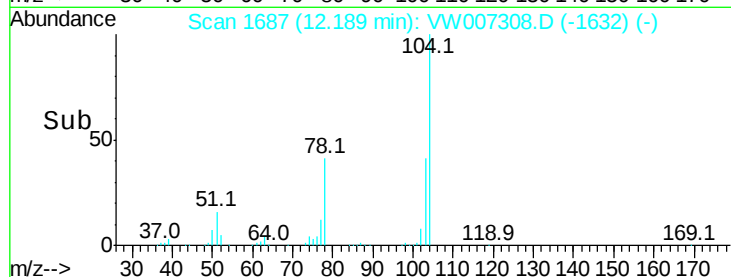
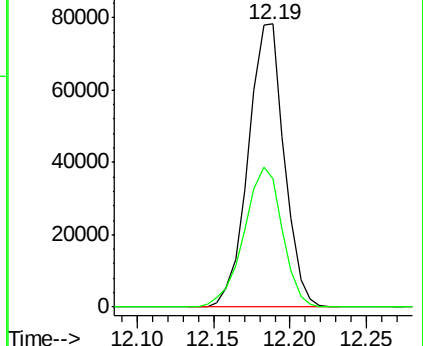
104 100

78 45.4 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 23.058 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

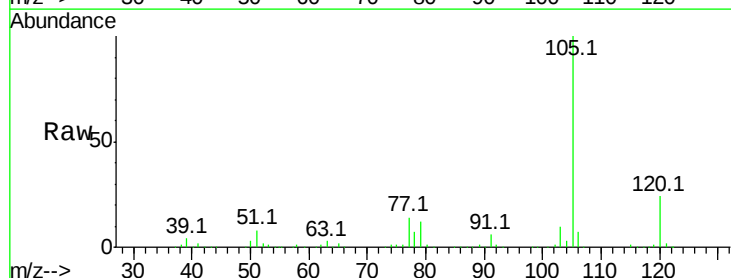
Tgt Ion:105 Resp: 208874

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

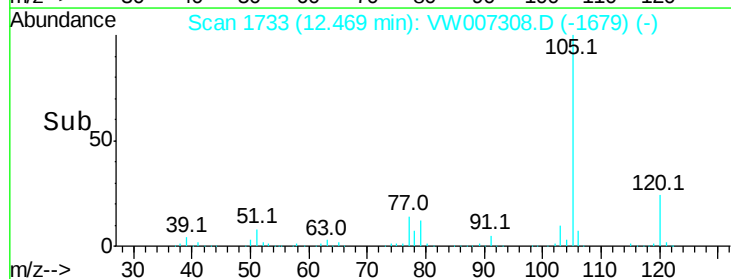
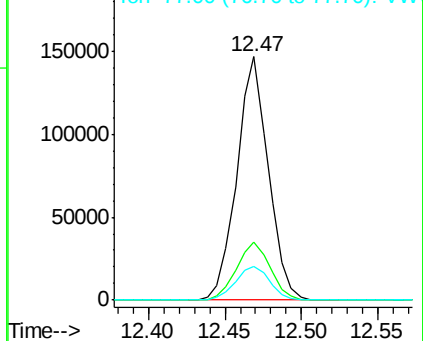
77 15.2 12.0 18.0

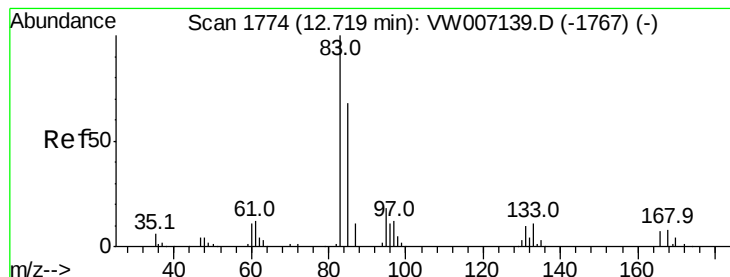


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 28.864 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampled :

VSTD02594

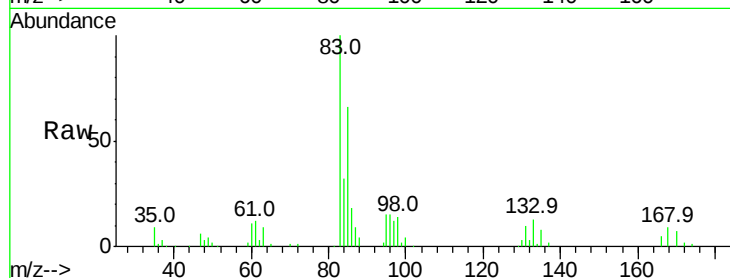
Tgt Ion: 83 Resp: 44902

Ion Ratio Lower Upper

83 100

85 66.0 47.8 88.8

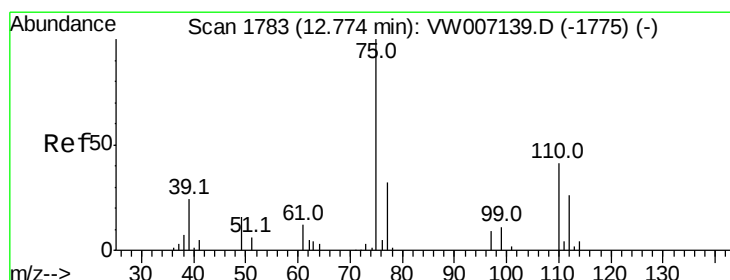
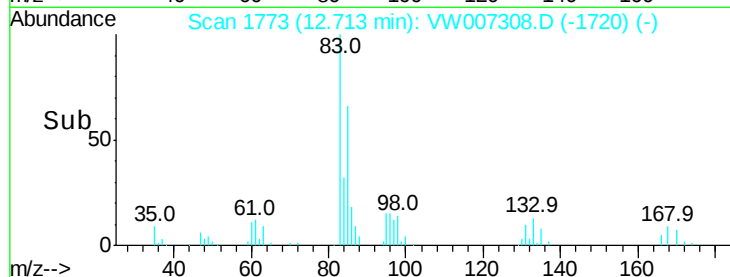
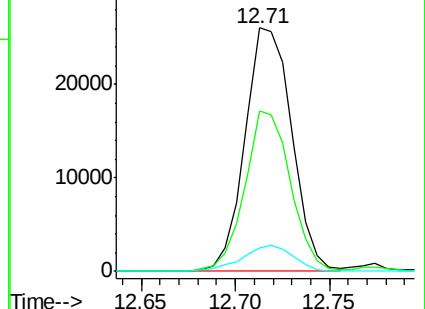
131 9.7 8.2 12.2



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): VW



#59

1,2,3-Trichloropropane

Concen: 28.288 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007308.D

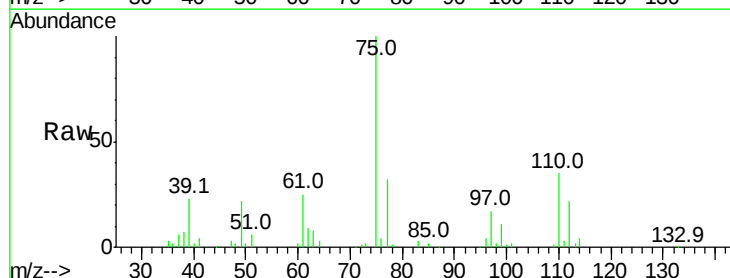
Acq: 07 Dec 2018 14:32

Tgt Ion: 75 Resp: 34391

Ion Ratio Lower Upper

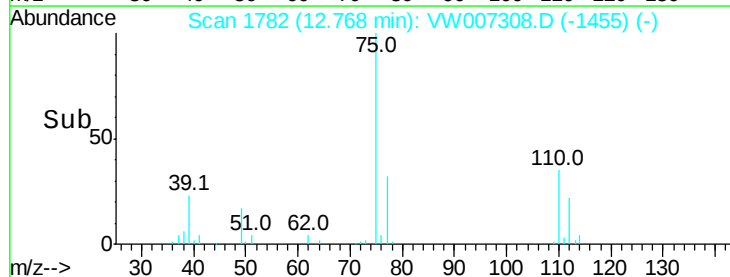
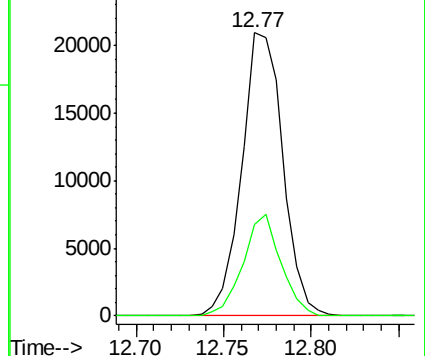
75 100

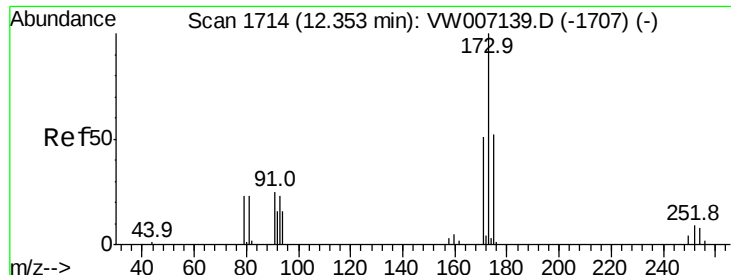
77 33.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 31.913 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

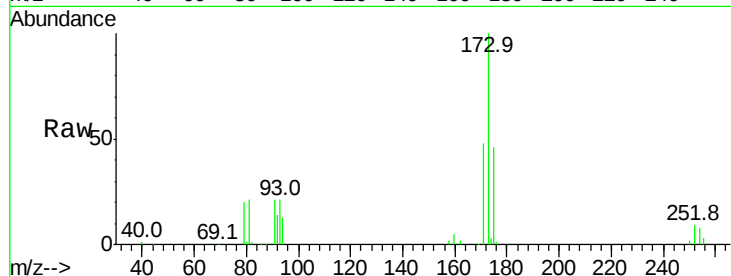
Tgt Ion:173 Resp: 25563

Ion Ratio Lower Upper

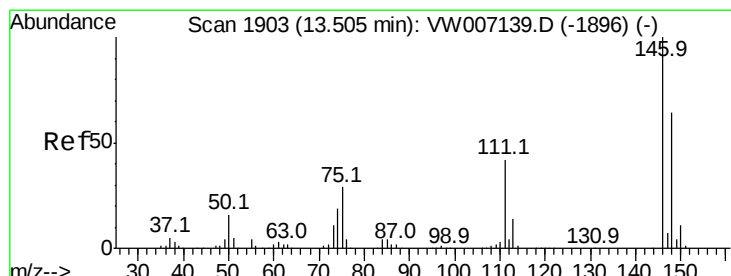
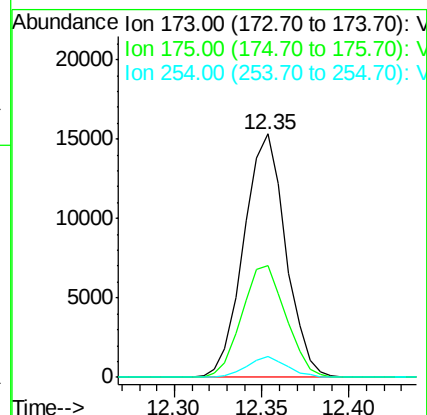
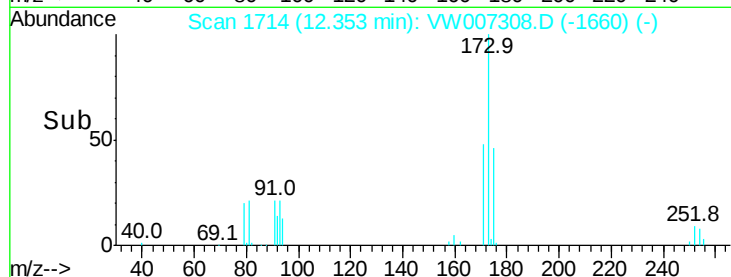
173 100

175 48.3 39.8 59.8

254 8.0 6.9 10.3



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: 23.898 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

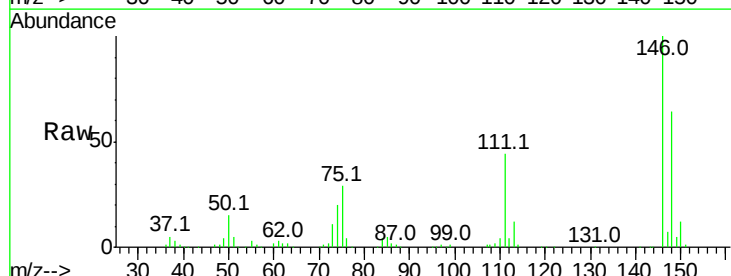
Tgt Ion:146 Resp: 91998

Ion Ratio Lower Upper

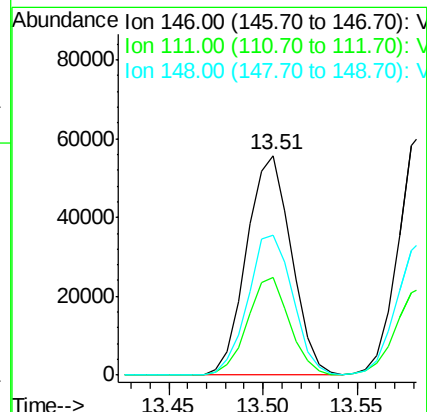
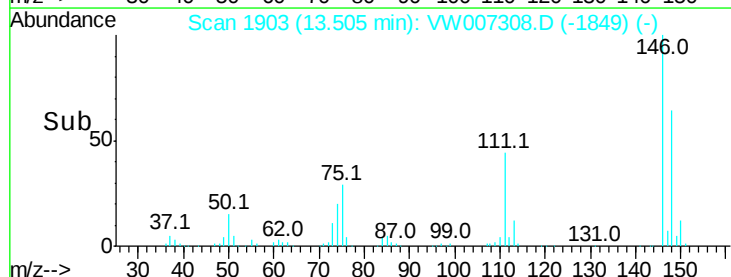
146 100

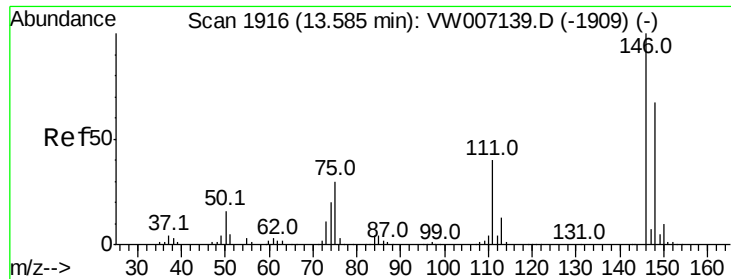
111 44.3 29.2 54.2

148 63.9 44.7 83.1



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





#64

1,4-Dichlorobenzene

Concen: 25.067 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

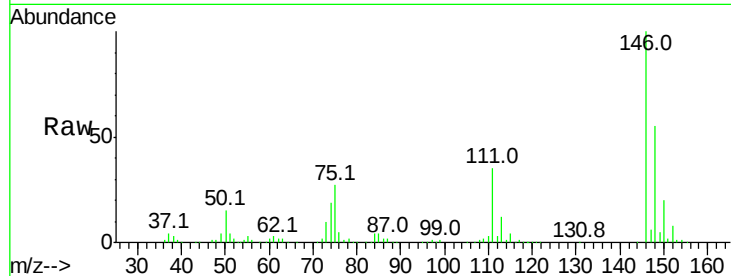
Tgt Ion:146 Resp: 97062

Ion Ratio Lower Upper

146 100

111 35.4 28.2 52.4

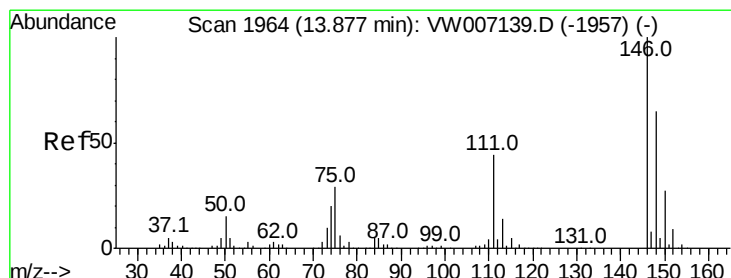
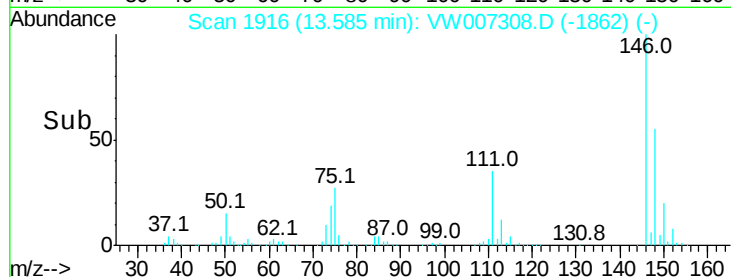
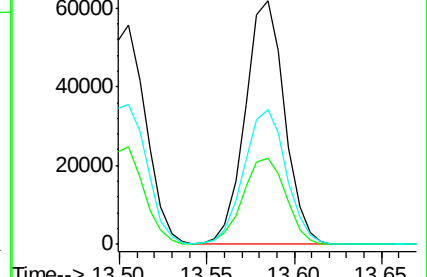
148 55.3 46.6 86.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 24.063 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

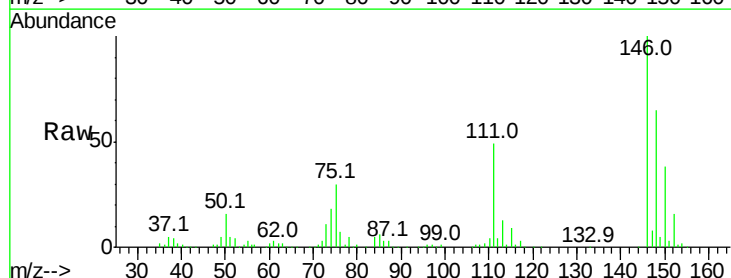
Tgt Ion:146 Resp: 84763

Ion Ratio Lower Upper

146 100

111 49.1 35.3 52.9

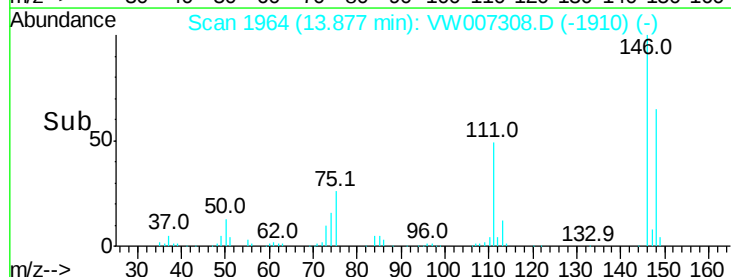
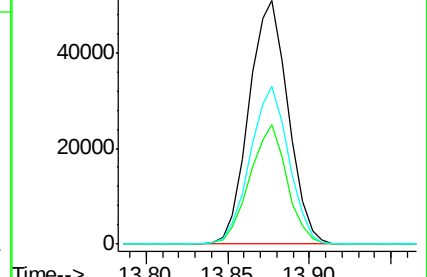
148 64.8 51.6 77.4

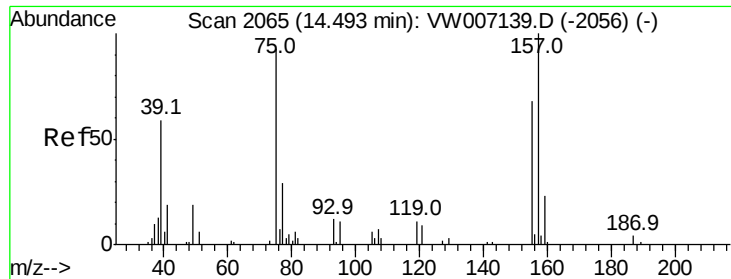


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

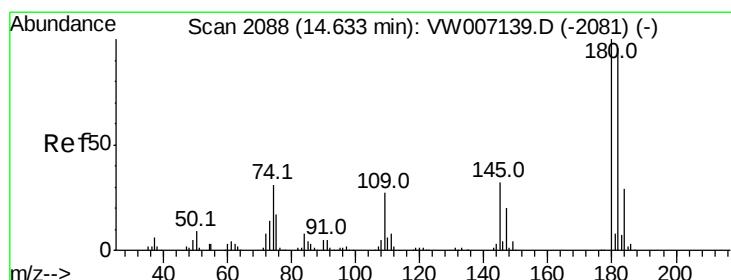
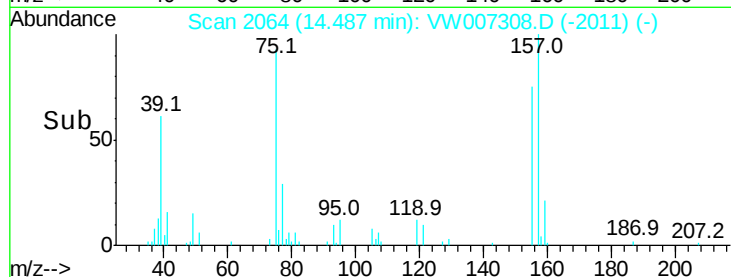
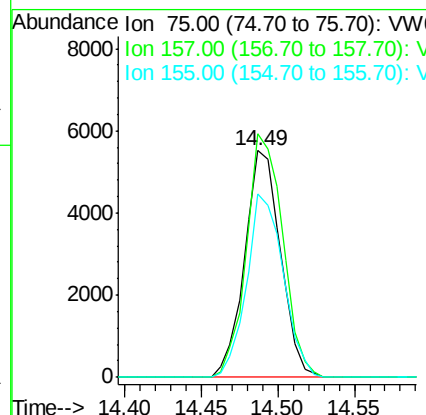
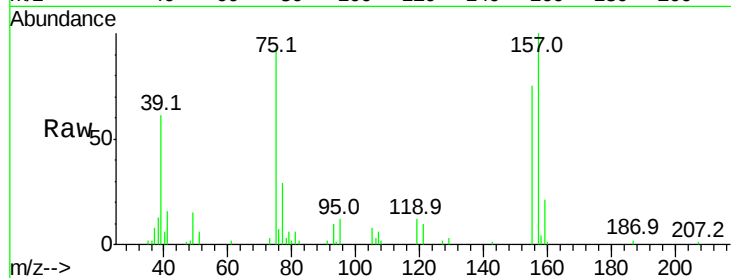




#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.467 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007308.D
 Acq: 07 Dec 2018 14:32

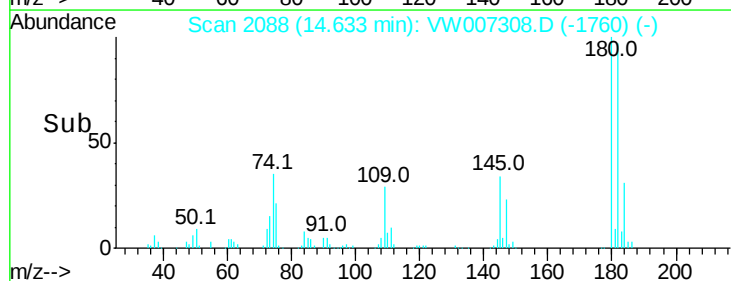
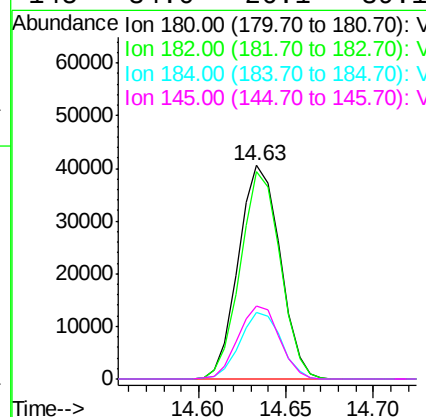
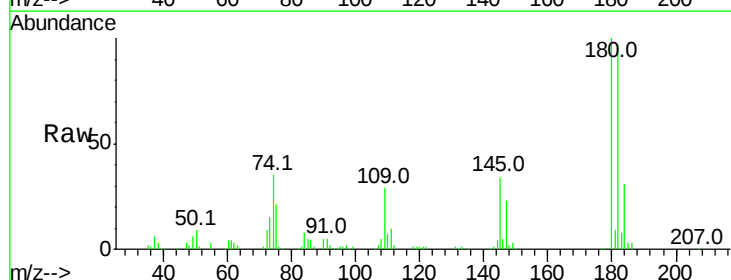
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

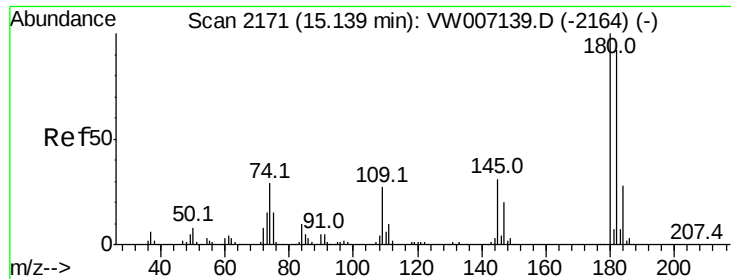
Tgt Ion: 75 Resp: 8989
 Ion Ratio Lower Upper
 75 100
 157 107.5 86.4 129.6
 155 81.1 58.3 87.5



#67
 1,3,5-Trichlorobenzene
 Concen: 23.278 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007308.D
 Acq: 07 Dec 2018 14:32

Tgt Ion: 180 Resp: 67301
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.9 113.9
 184 30.9 24.2 36.4
 145 34.0 26.1 39.1





#68

1,2,4-trichlorobenzene

Concen: 23.158 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

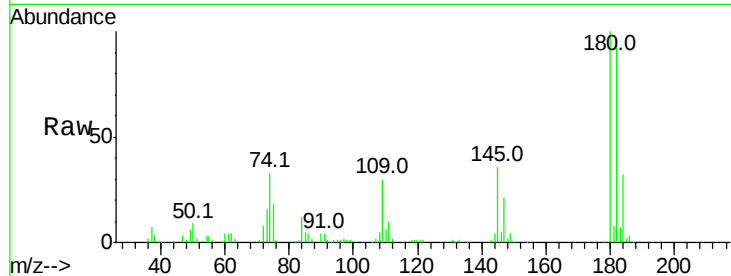
Tgt Ion:180 Resp: 56916

Ion Ratio Lower Upper

180 100

182 96.8 75.6 113.4

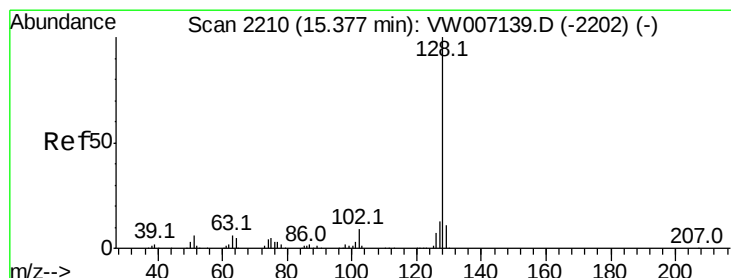
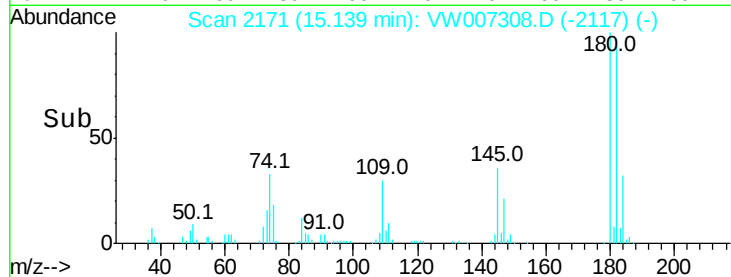
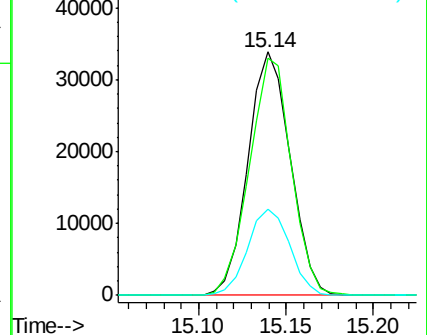
145 35.5 26.6 39.8



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: 27.663 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007308.D

Acq: 07 Dec 2018 14:32

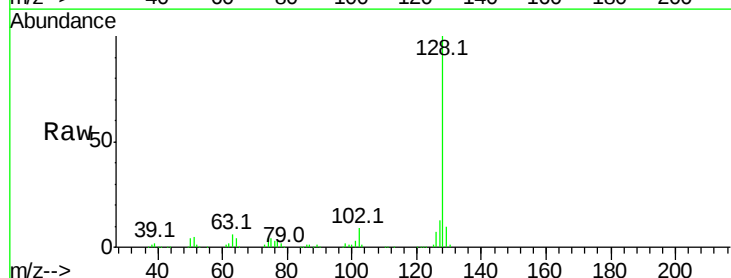
Tgt Ion:128 Resp: 144763

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

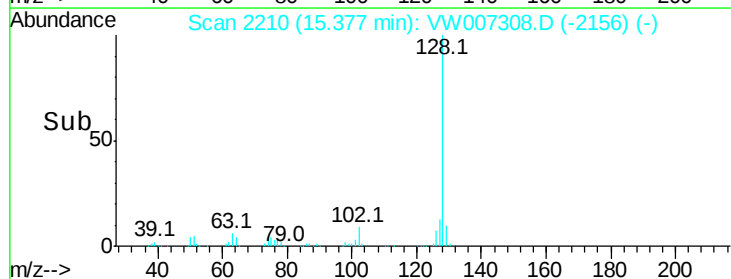
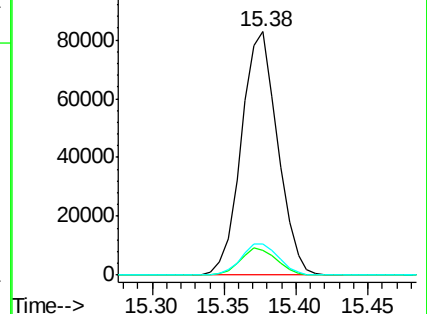
127 13.4 10.9 16.3

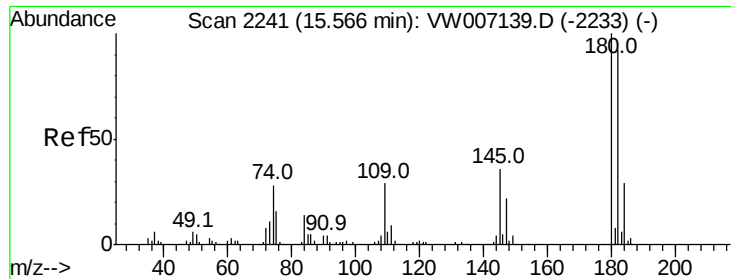


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

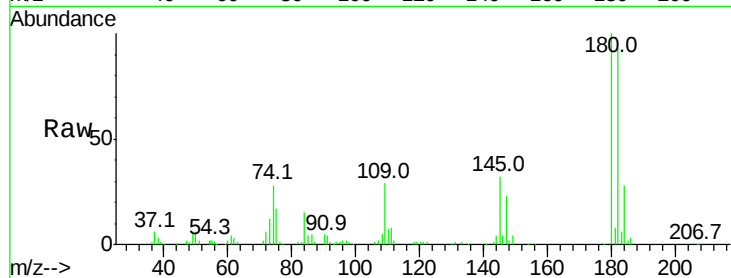




#70
 1,2,3-Trichlorobenzene
 Concen: 24.959 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW007308.D
 Acq: 07 Dec 2018 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.0	112.4
145	34.2	28.2	42.4



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

