

Data File : VW005521.D
Acq On : 19 Sep 2018 17:59
Operator : SY/AP
Sample : VSTD2.596
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.596

Quant Time: Sep 20 07:59:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 17:31:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	392048	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	366181	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	184397	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	10564	2.53	ug/L	0.00
7) Chloroethane-d5	2.90	69	9921	2.65	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	26553	2.56	ug/L	0.00
20) 2-Butanone-d5	7.08	46	8455	4.79	ug/L	0.00
24) Chloroform-d	7.65	84	23403	2.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14063	2.43	ug/L	0.00
29) Benzene-d6	8.27	84	47933	2.46	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	14598	2.44	ug/L	0.00
37) Toluene-d8	10.33	98	42141	2.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6358	2.33	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5779	4.20	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13494	2.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	16574	2.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	10669	2.196 ug/L	94
3) Chloromethane	2.21	50	15164	2.768 ug/L	99
5) Vinyl chloride	2.37	62	12048	2.647 ug/L	97
6) Bromomethane	2.78	94	9222	2.870 ug/L	96
8) Chloroethane	2.93	64	8874	2.744 ug/L	93
9) Trichlorofluoromethane	3.26	101	11813	2.464 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13248	2.639 ug/L	95
12) 1,1-Dichloroethene	4.04	96	12341	2.688 ug/L	75
13) Acetone	4.13	43	13947	8.497 ug/L	96
14) Carbon disulfide	4.37	76	39370	2.793 ug/L	97
15) Methyl Acetate	4.67	43	9132	2.921 ug/L #	89
16) Methylene chloride	4.91	84	25586	4.219 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	19621	2.593 ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	13150	2.634 ug/L	94
19) 1,1-Dichloroethane	6.21	63	25194	2.596 ug/L	97
21) 2-Butanone	7.18	43	14945	6.769 ug/L	91
22) cis-1,2-Dichloroethene	7.17	96	13710	2.473 ug/L	89
23) Bromochloromethane	7.51	128	6412	2.641 ug/L	91
25) Chloroform	7.68	83	25299	2.586 ug/L	99
27) 1,2-Dichloroethane	8.40	62	19254	2.725 ug/L	98
30) Cyclohexane	7.96	56	22355	2.447 ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	21084	2.602 ug/L	99
32) Carbon tetrachloride	8.07	117	19721	2.564 ug/L	98
34) Benzene	8.33	78	56406	2.635 ug/L	100
35) Trichloroethene	9.09	95	14796	2.682 ug/L	98
36) Methylcyclohexane	9.34	83	23982	2.387 ug/L	98
40) 1,2-Dichloropropane	9.37	63	14482	2.576 ug/L	98
41) Bromodichloromethane	9.65	83	17361	2.529 ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	19372	2.337 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	21295	4.858 ug/L	99

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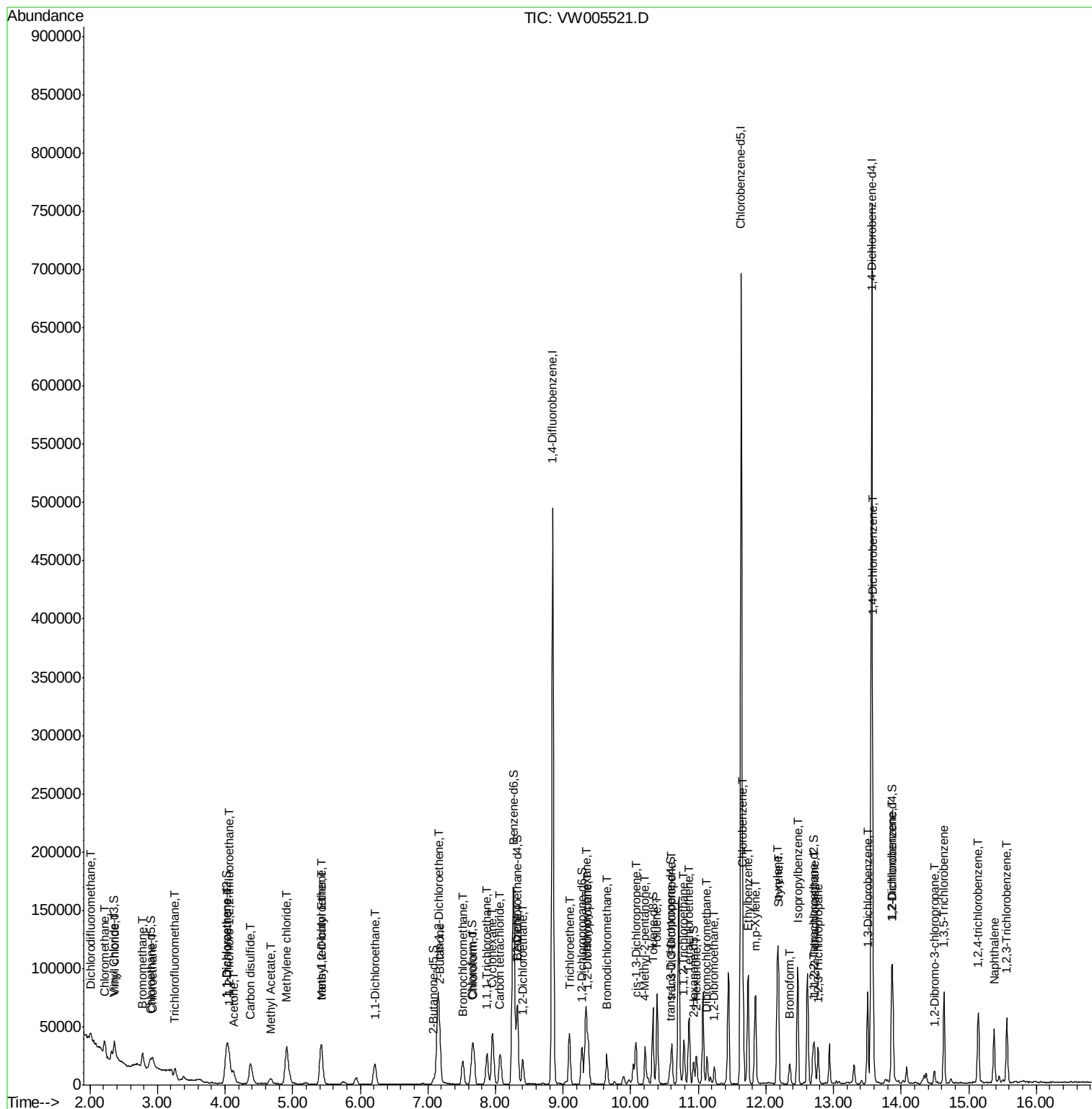
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	54486	2.425	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	18398	2.459	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	10844	2.631	ug/L	96
47) Tetrachloroethene	10.87	164	12230	2.701	ug/L	94
49) 2-Hexanone	10.98	43	14971	4.752	ug/L	96
50) Dibromochloromethane	11.13	129	12202	2.516	ug/L	96
51) 1,2-Dibromoethane	11.24	107	10182	2.602	ug/L #	96
52) Chlorobenzene	11.66	112	38237	2.617	ug/L	97
53) Ethylbenzene	11.74	91	64515	2.469	ug/L	100
54) m,p-Xylene	11.85	106	23124	2.408	ug/L	99
55) o-xylene	12.17	106	21269	2.329	ug/L	89
56) Styrene	12.19	104	35925	2.276	ug/L	99
57) Isopropylbenzene	12.47	105	58230	2.274	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	14875	2.697	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	12112	2.814	ug/L	96
62) Bromoform	12.35	173	8095	2.656	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	30174	2.632	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	31898	2.697	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	28910	2.692	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3322	3.205	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.63	180	24294	2.714	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	18990	2.573	ug/L	99
69) Naphthalene	15.38	128	38701	2.526	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	18891	2.761	ug/L	97

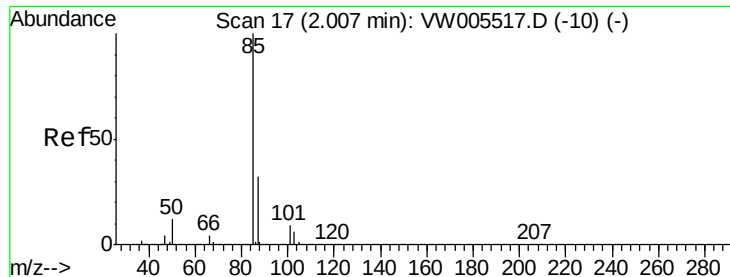
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.196 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

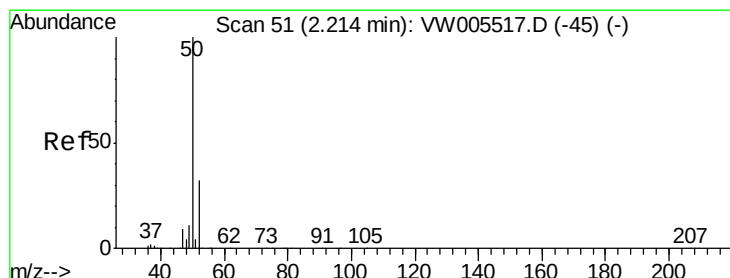
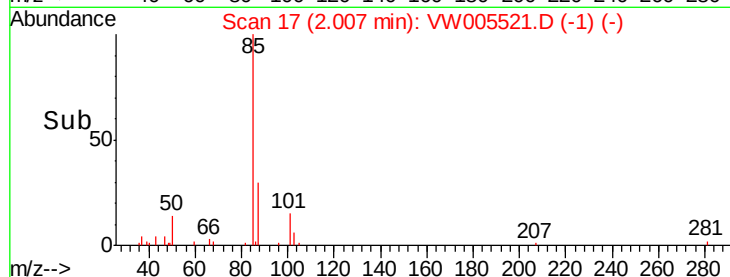
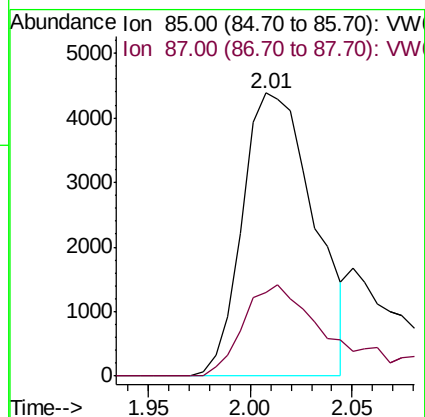
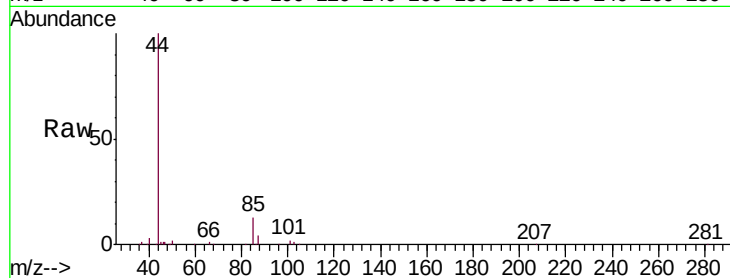
VSTD2.596

Tgt Ion: 85 Resp: 10669

Ion Ratio Lower Upper

85 100

87 33.3 21.2 39.4



#3

Chloromethane

Concen: 2.768 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005521.D

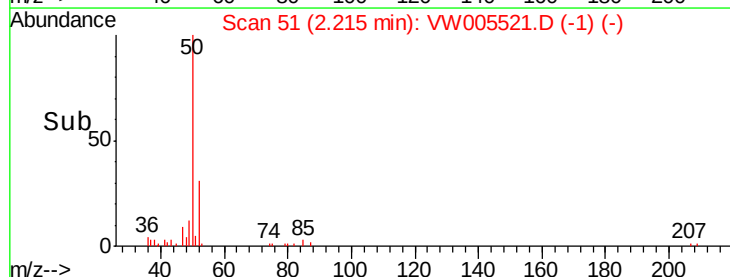
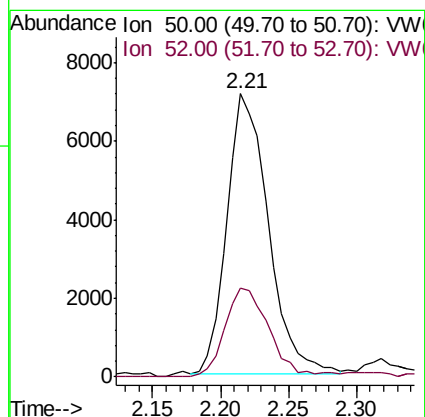
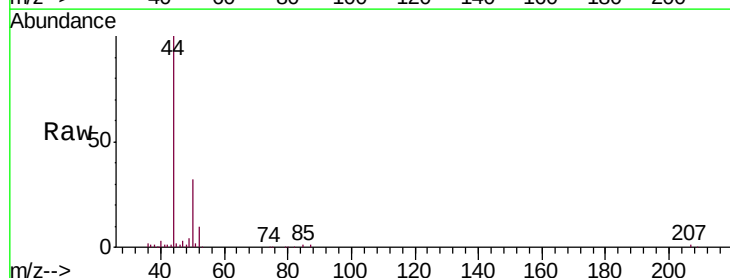
Acq: 19 Sep 2018 17:59

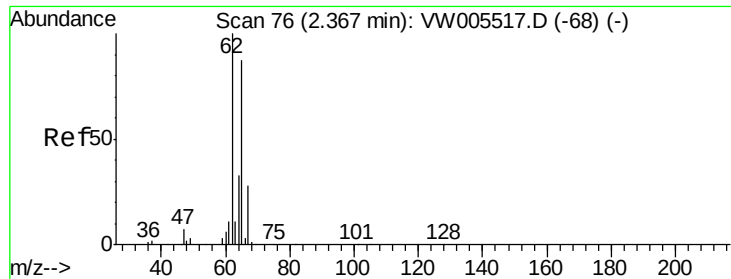
Tgt Ion: 50 Resp: 15164

Ion Ratio Lower Upper

50 100

52 31.5 22.4 41.6





#5

Vinyl chloride

Concen: 2.647 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

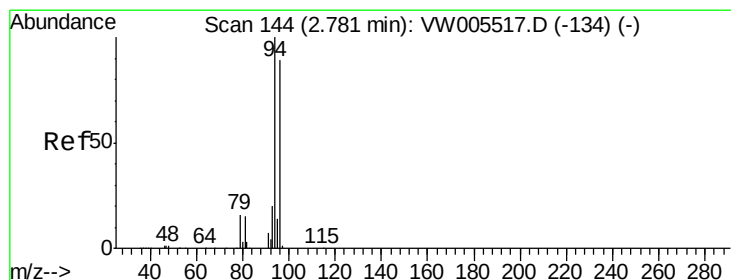
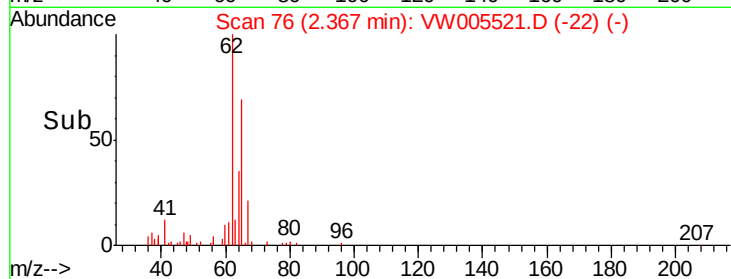
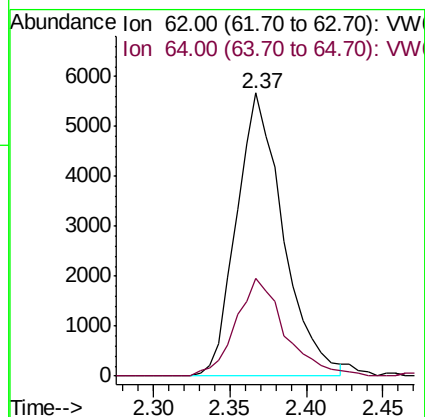
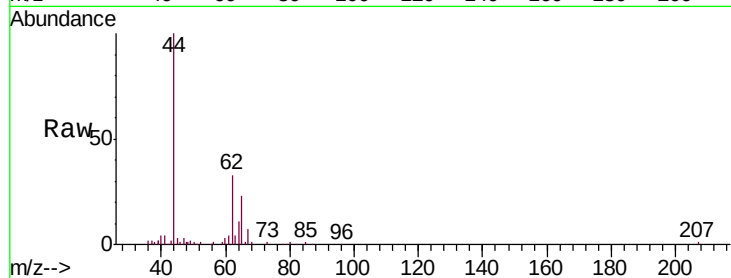
VSTD2.596

Tgt Ion: 62 Resp: 12048

Ion Ratio Lower Upper

62 100

64 34.6 22.9 42.5



#6

Bromomethane

Concen: 2.870 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005521.D

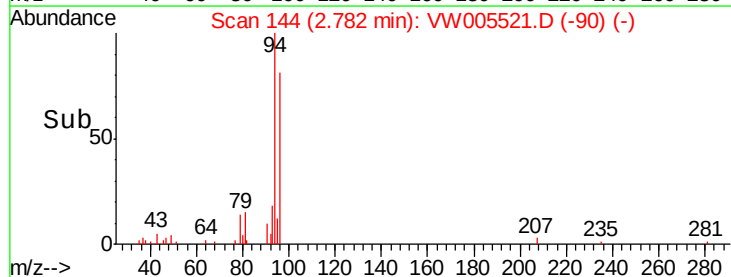
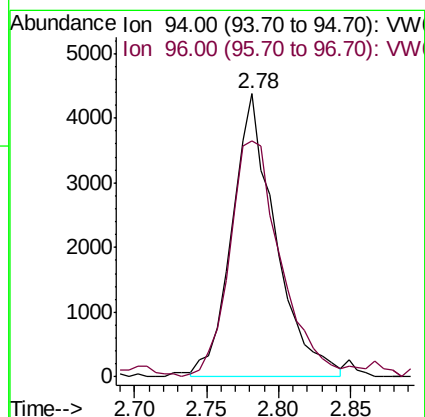
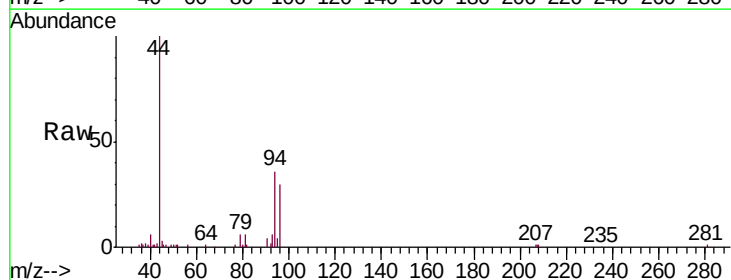
Acq: 19 Sep 2018 17:59

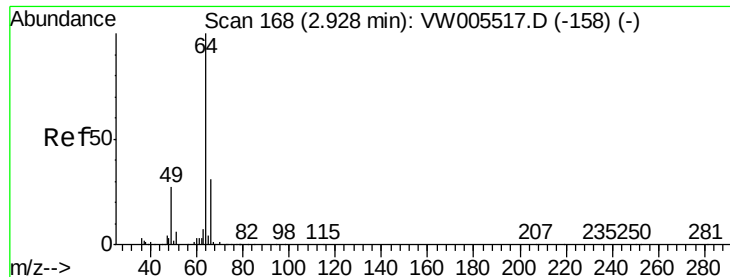
Tgt Ion: 94 Resp: 9222

Ion Ratio Lower Upper

94 100

96 97.6 9.4 178.6





#8

Chloroethane

Concen: 2.744 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

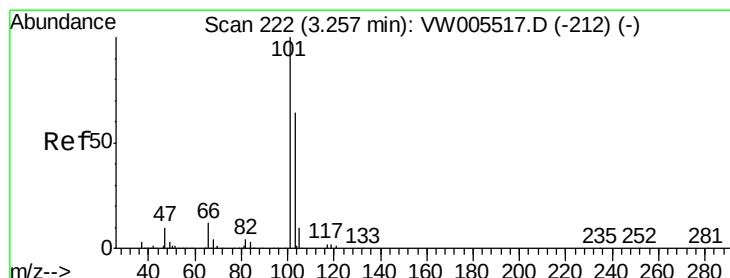
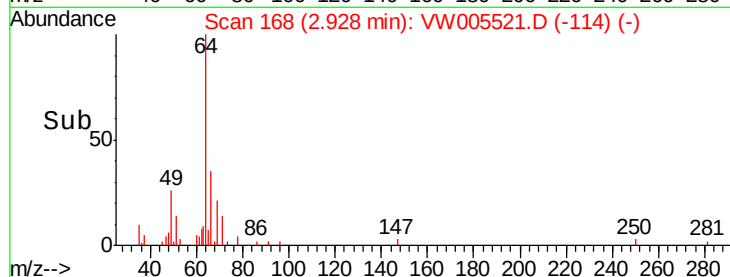
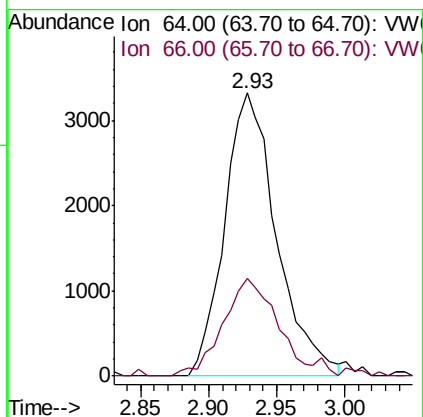
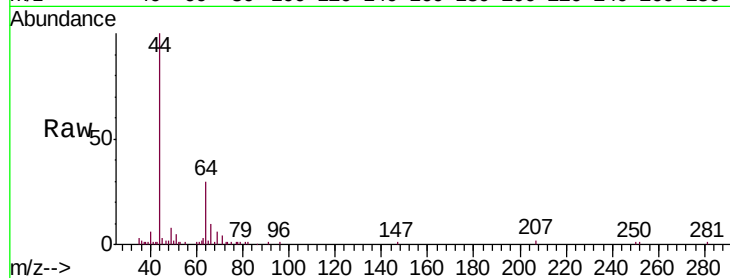
VSTD2.596

Tgt Ion: 64 Resp: 8874

Ion Ratio Lower Upper

64 100

66 34.4 21.5 39.9



#9

Trichlorofluoromethane

Concen: 2.464 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005521.D

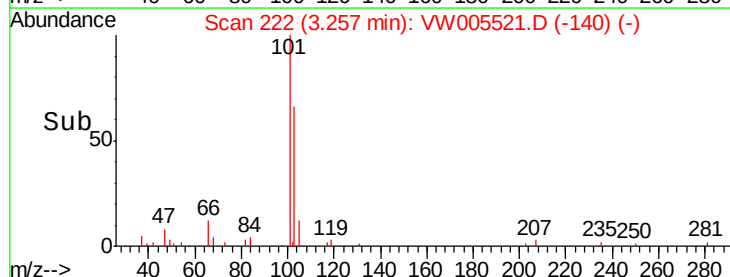
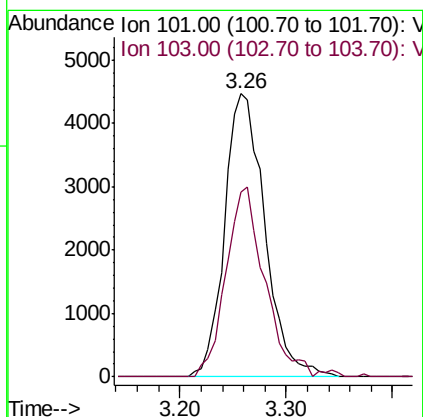
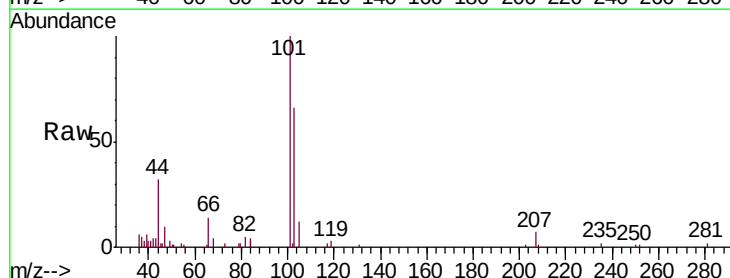
Acq: 19 Sep 2018 17:59

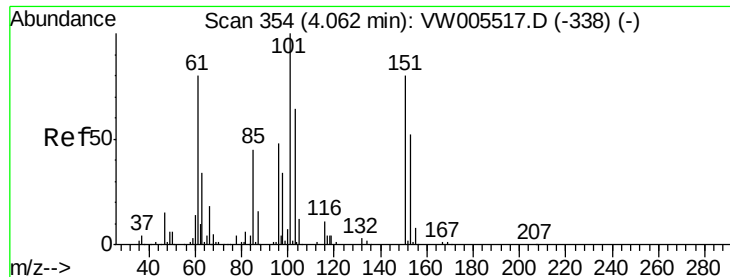
Tgt Ion: 101 Resp: 11813

Ion Ratio Lower Upper

101 100

103 62.8 45.3 84.1





#11

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

Concen: 2.639 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.596

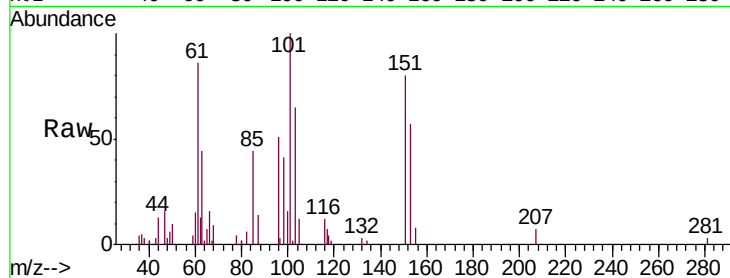
Tgt Ion:101 Resp: 13248

Ion Ratio Lower Upper

101 100

85 37.2 34.7 52.1

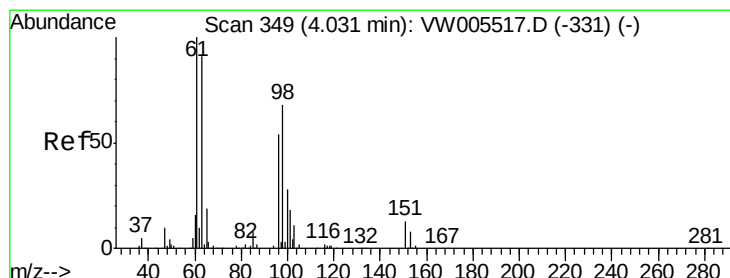
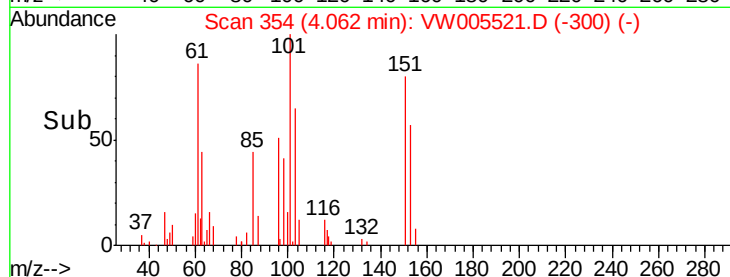
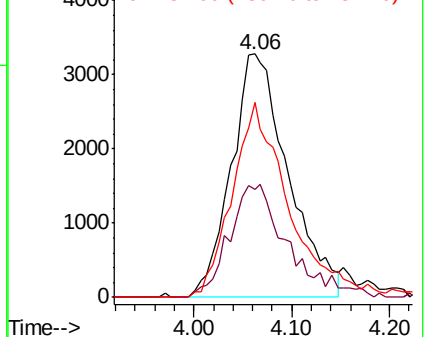
151 78.5 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.688 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

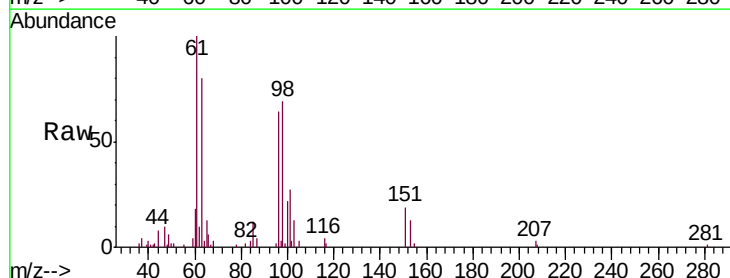
Tgt Ion: 96 Resp: 12341

Ion Ratio Lower Upper

96 100

61 156.2 129.5 240.5

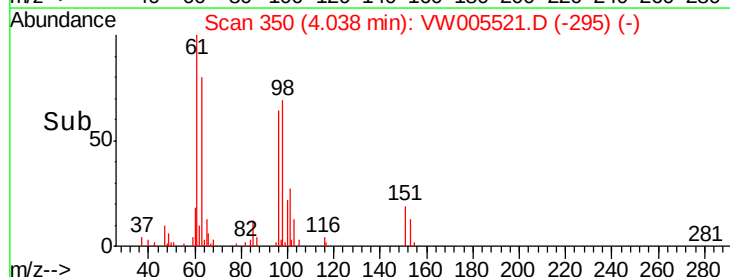
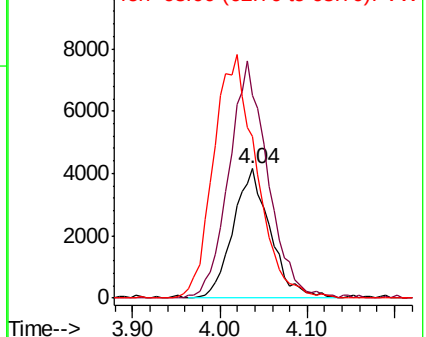
63 125.0 117.5 218.3

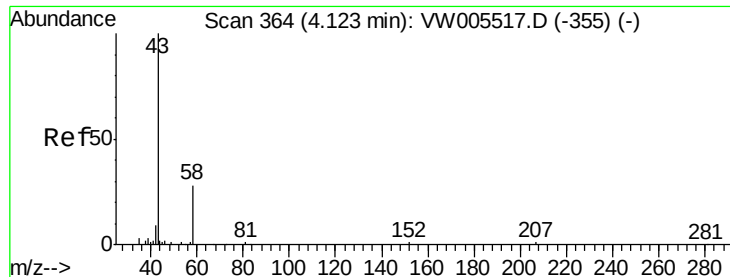


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 8.497 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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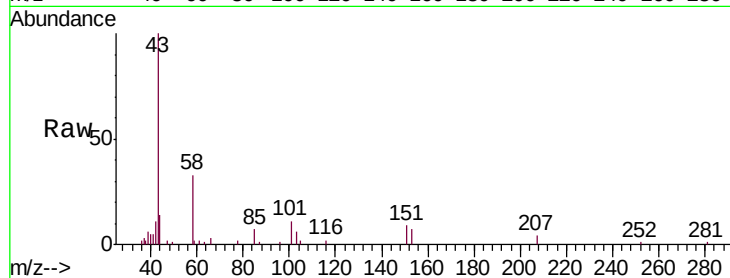
VSTD2.596

Tgt Ion: 43 Resp: 13947

Ion Ratio Lower Upper

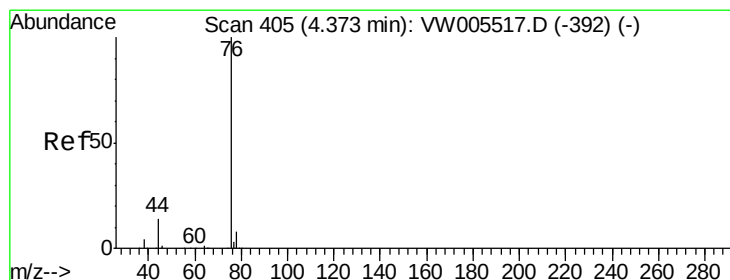
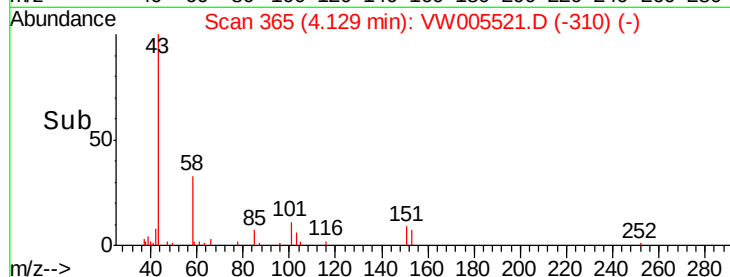
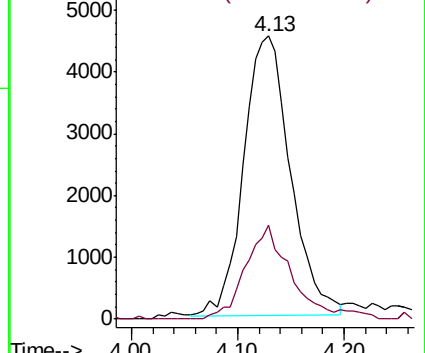
43 100

58 31.6 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.793 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005521.D

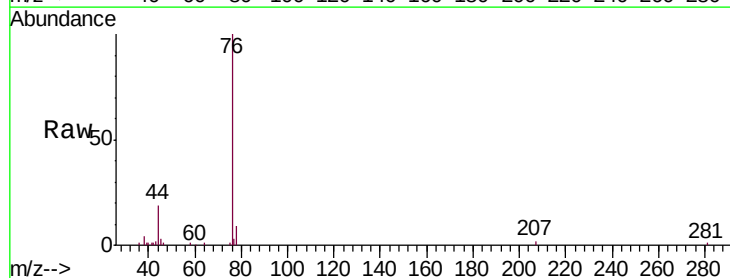
Acq: 19 Sep 2018 17:59

Tgt Ion: 76 Resp: 39370

Ion Ratio Lower Upper

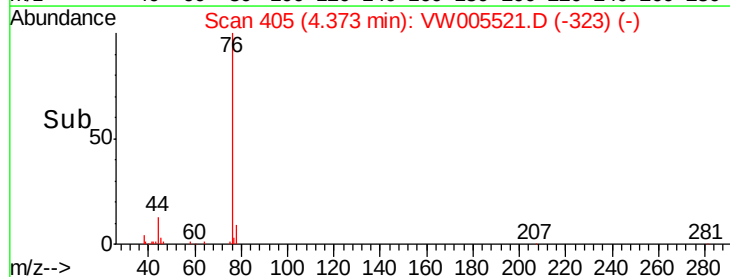
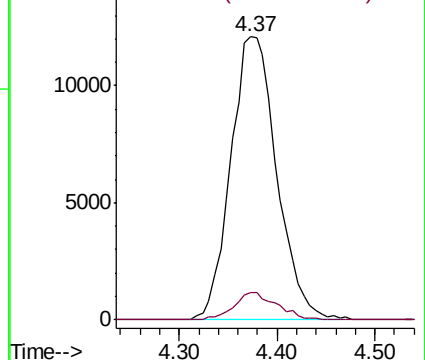
76 100

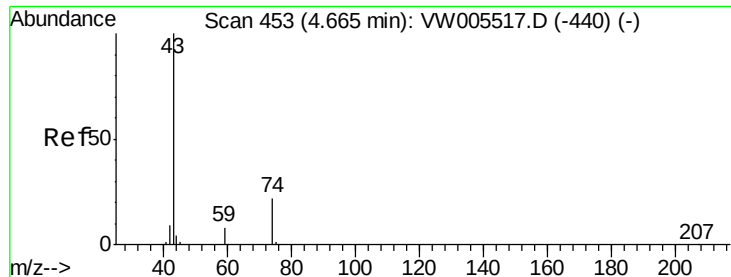
78 9.5 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

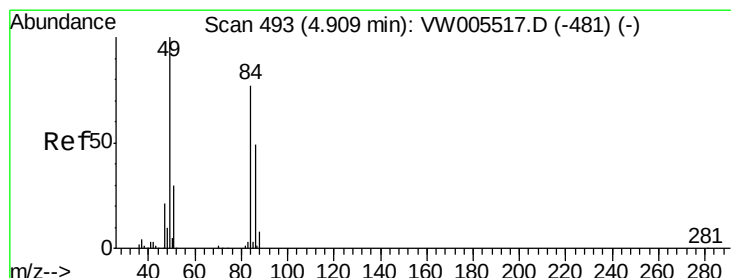
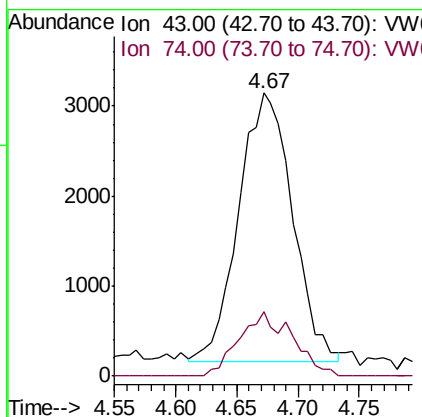
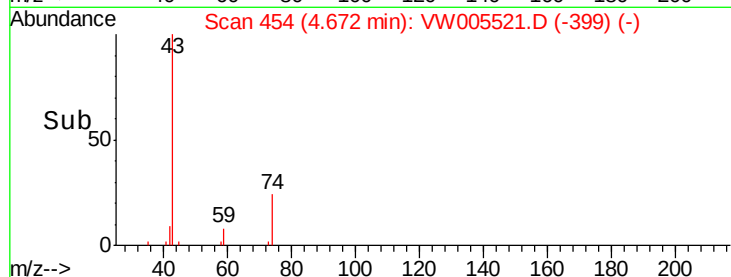
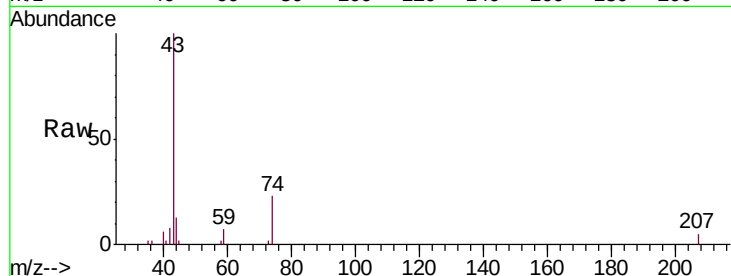




#15
Methyl Acetate
Concen: 2.921 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
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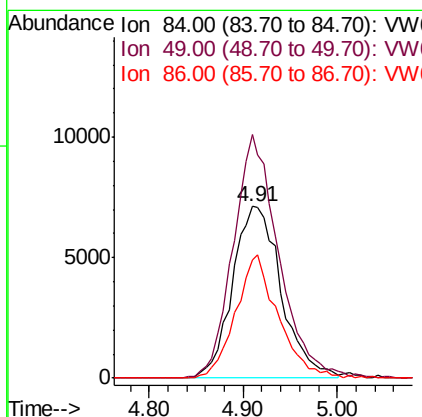
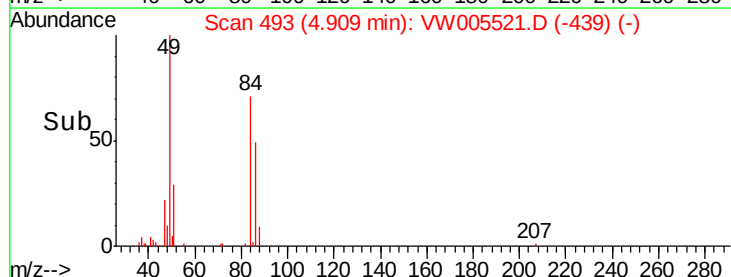
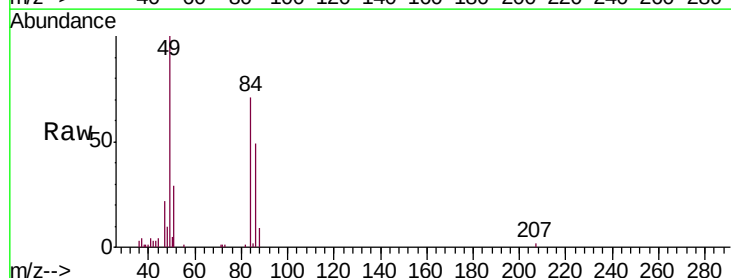
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.596

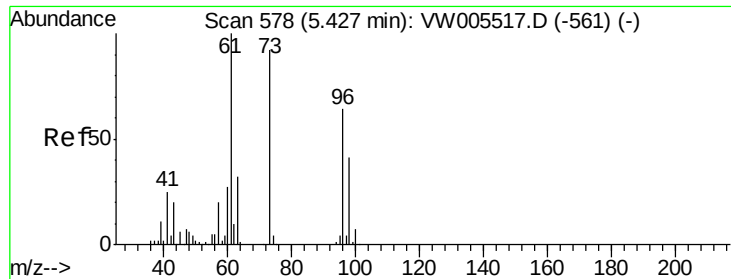
Tgt Ion: 43 Resp: 9132
Ion Ratio Lower Upper
43 100
74 16.3 17.3 25.9#



#16
Methylene chloride
Concen: 4.219 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

Tgt Ion: 84 Resp: 25586
Ion Ratio Lower Upper
84 100
49 141.7 91.5 169.9
86 69.1 44.8 83.2

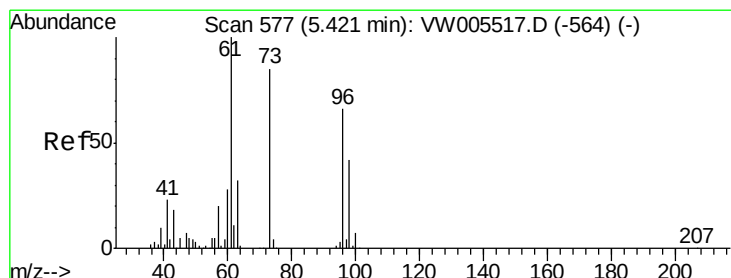
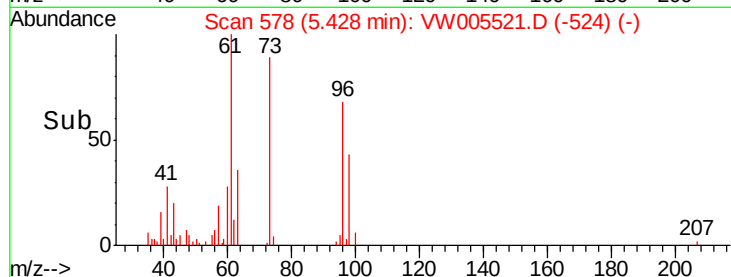
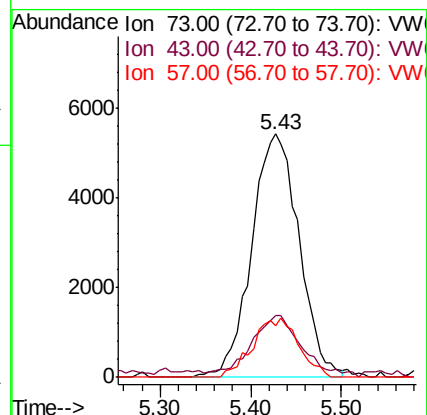
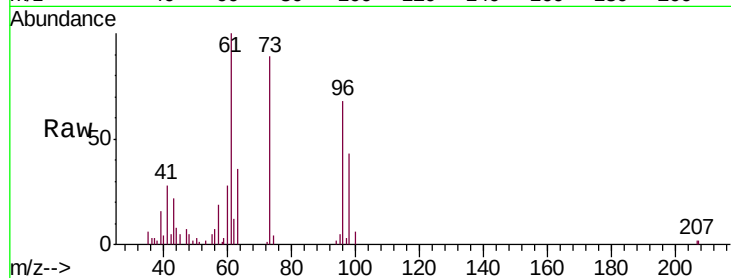




#17
Methyl tert-butyl Ether
Concen: 2.593 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

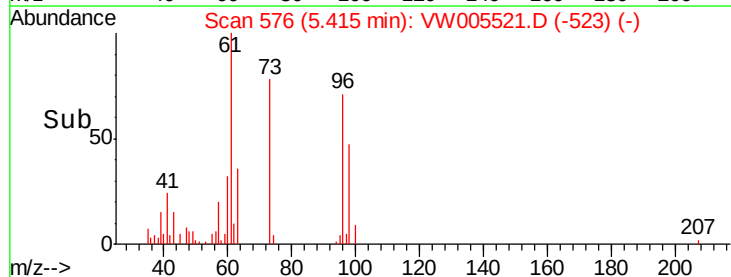
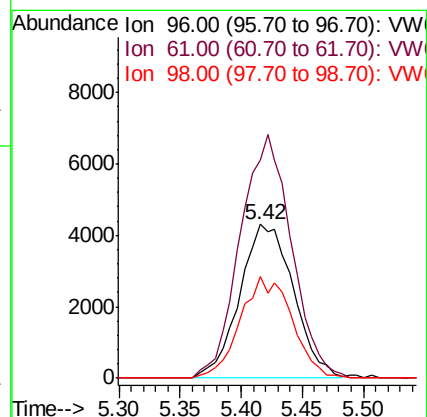
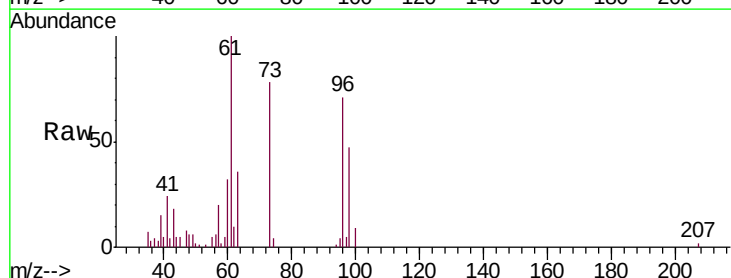
Instrument :
MSVOA_W
ClientSampled :
VSTD2.596

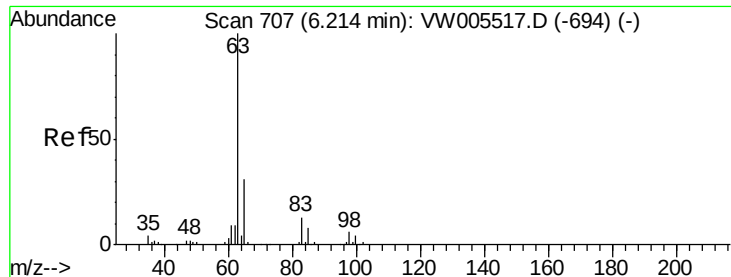
Tgt Ion: 73 Resp: 19621
Ion Ratio Lower Upper
73 100
43 23.1 17.6 26.4
57 5.3 18.4 27.6#



#18
trans-1,2-Dichloroethene
Concen: 2.634 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

Tgt Ion: 96 Resp: 13150
Ion Ratio Lower Upper
96 100
61 141.8 105.4 195.8
98 66.3 44.1 81.9

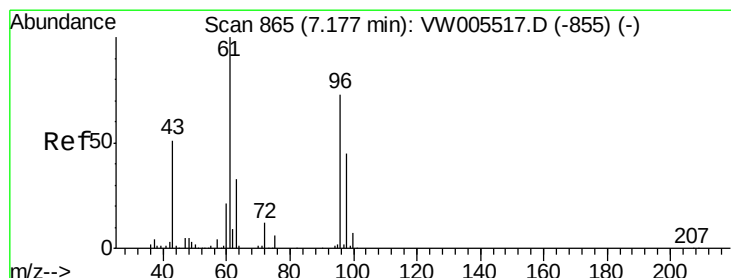
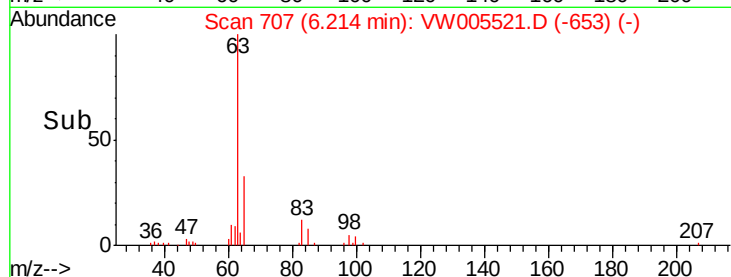
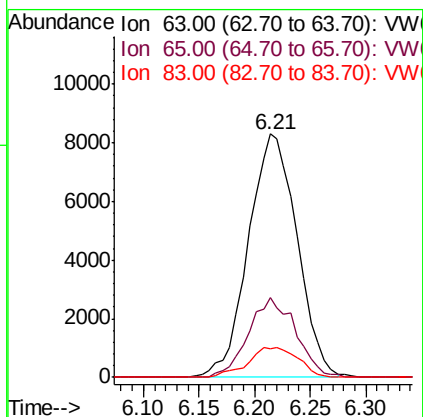
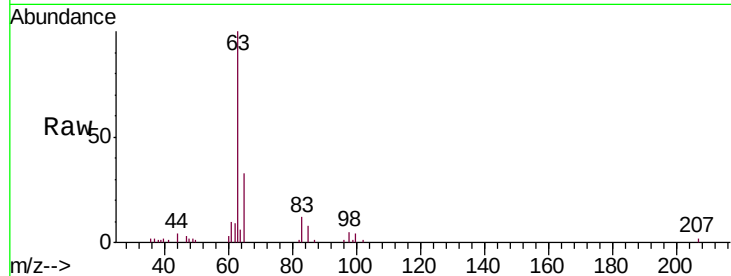




#19
 1,1-Dichloroethane
 Concen: 2.596 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

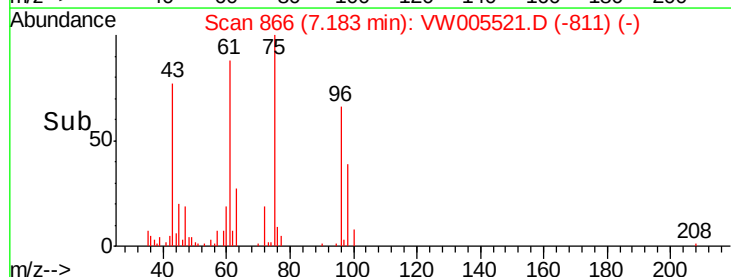
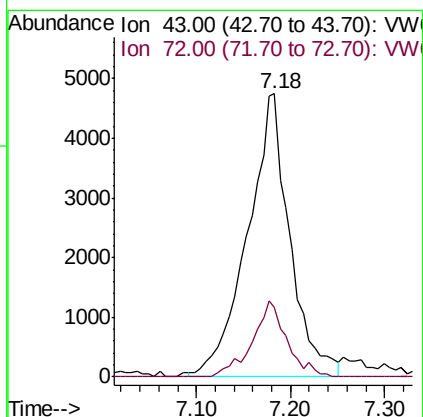
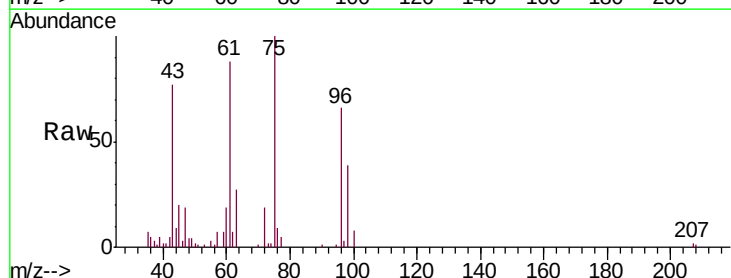
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

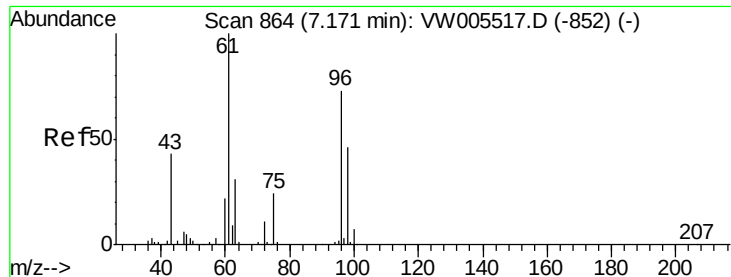
Tgt Ion: 63 Resp: 25194
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.4 39.8
 83 11.9 8.9 16.5



#21
 2-Butanone
 Concen: 6.769 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion: 43 Resp: 14945
 Ion Ratio Lower Upper
 43 100
 72 20.8 12.6 37.6



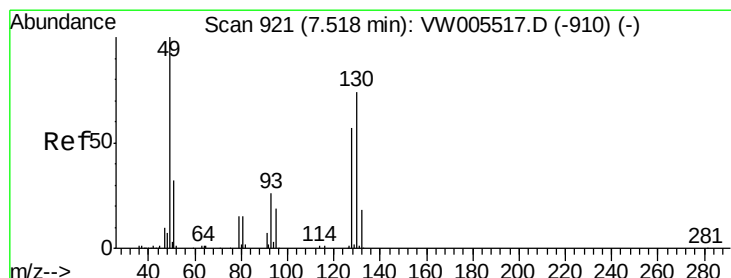
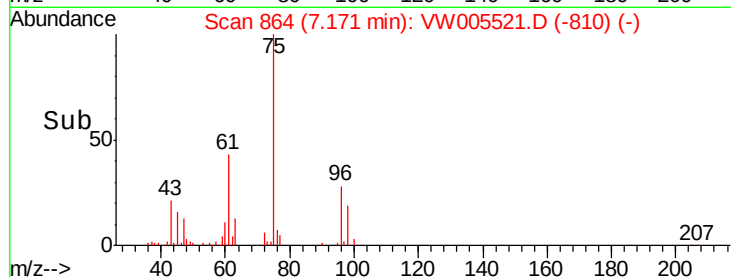
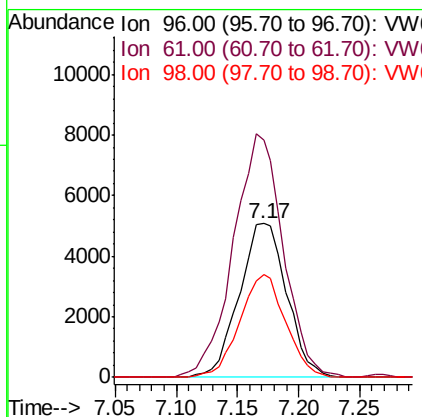
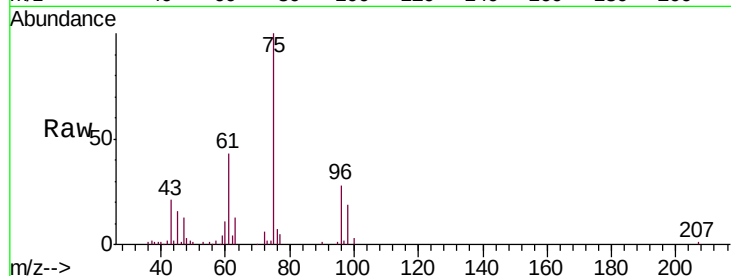


#22

cis-1,2-Dichloroethene
 Concen: 2.473 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

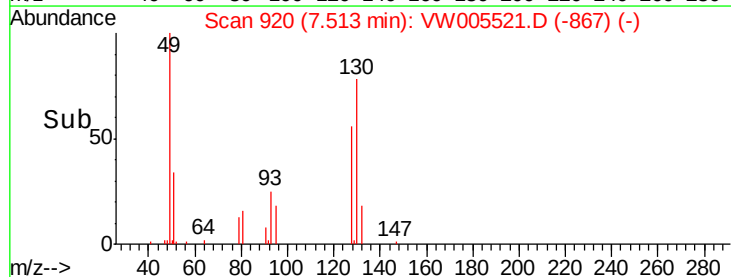
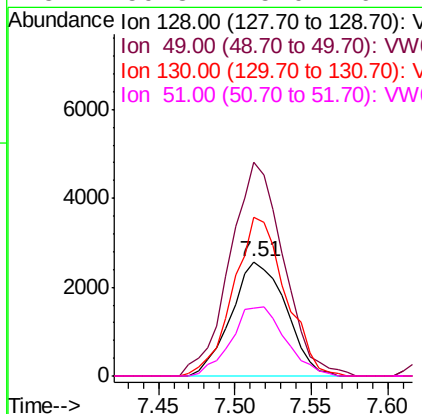
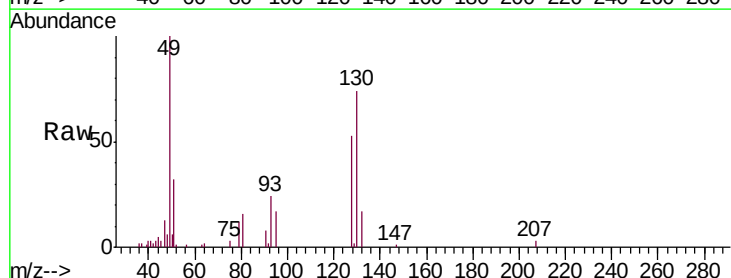
Tgt Ion: 96 Resp: 13710
 Ion Ratio Lower Upper
 96 100
 61 154.0 96.5 179.1
 98 66.6 44.1 81.9

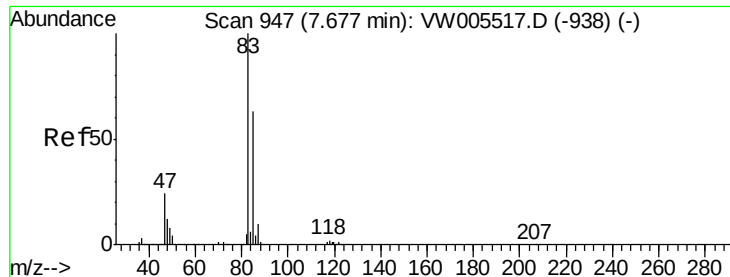


#23

Bromochloromethane
 Concen: 2.641 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion: 128 Resp: 6412
 Ion Ratio Lower Upper
 128 100
 49 187.1 122.0 226.6
 130 139.2 89.9 167.0
 51 59.8 45.0 67.4

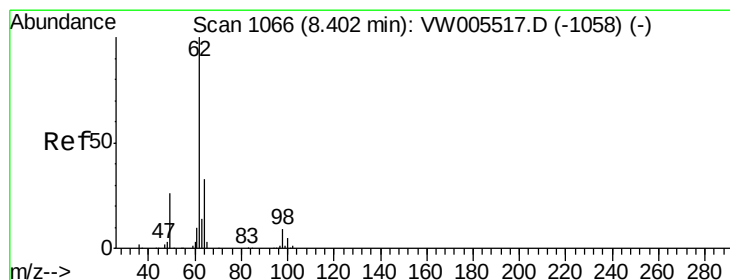
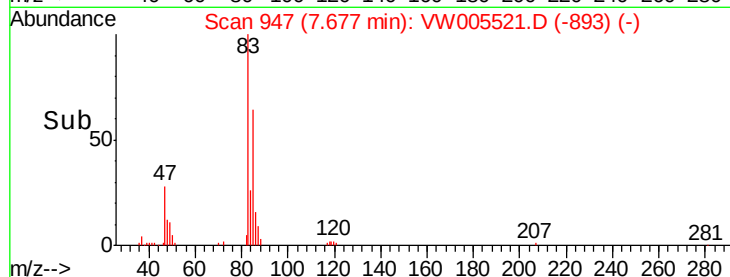
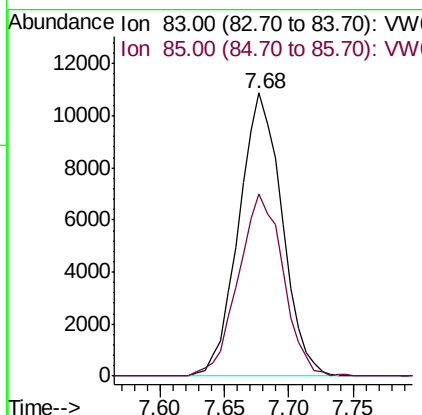
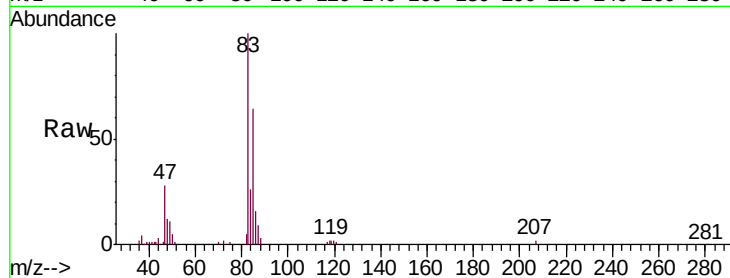




#25
Chloroform
Concen: 2.586 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

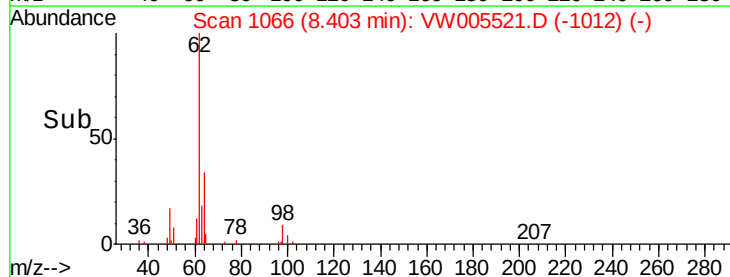
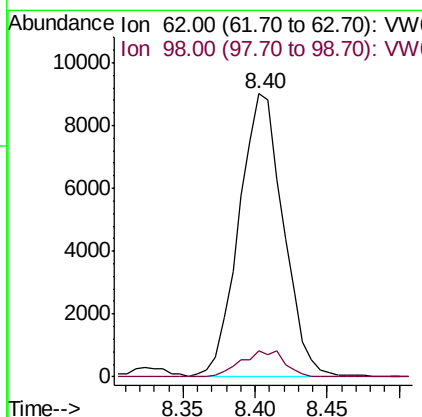
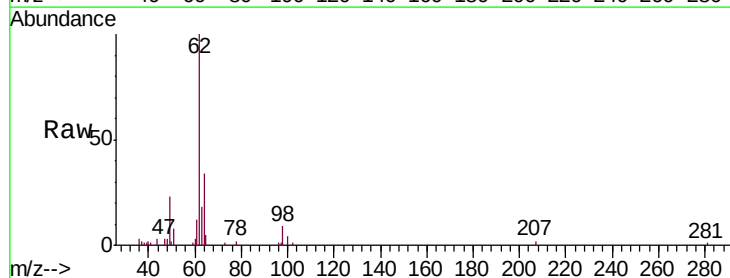
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.596

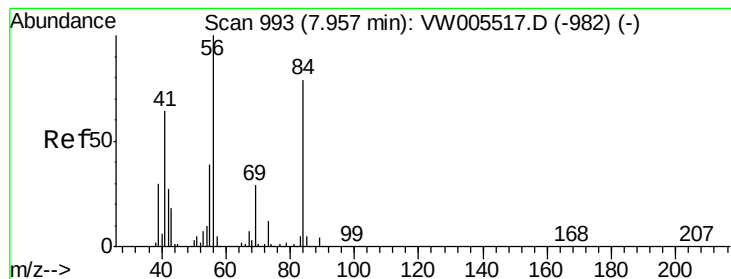
Tgt Ion: 83 Resp: 25299
Ion Ratio Lower Upper
83 100
85 66.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 2.725 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

Tgt Ion: 62 Resp: 19254
Ion Ratio Lower Upper
62 100
98 9.1 6.8 10.2





#30

Cyclohexane

Concen: 2.447 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.596

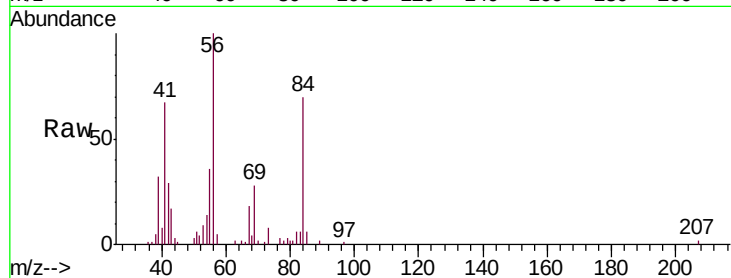
Tgt Ion: 56 Resp: 22355

Ion Ratio Lower Upper

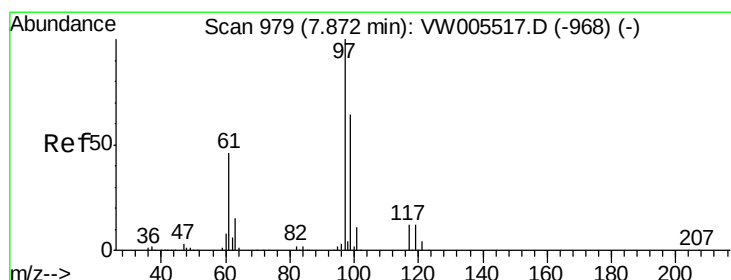
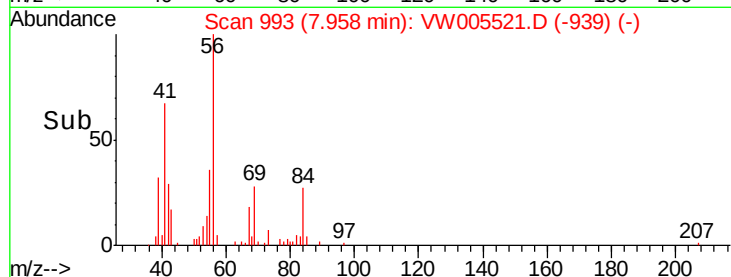
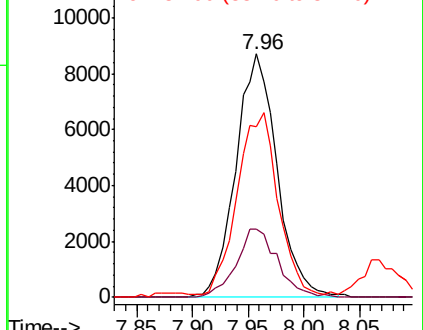
56 100

69 28.4 23.6 35.4

84 76.2 64.6 96.8



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



#31

1,1,1-Trichloroethane

Concen: 2.602 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

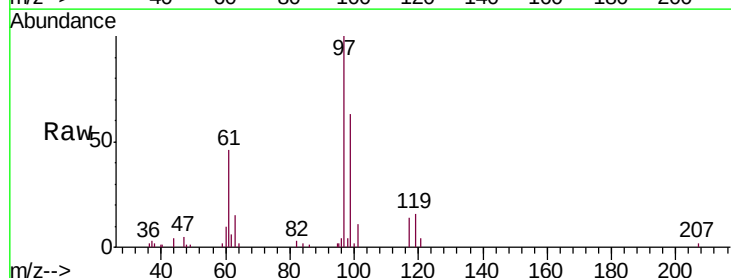
Tgt Ion: 97 Resp: 21084

Ion Ratio Lower Upper

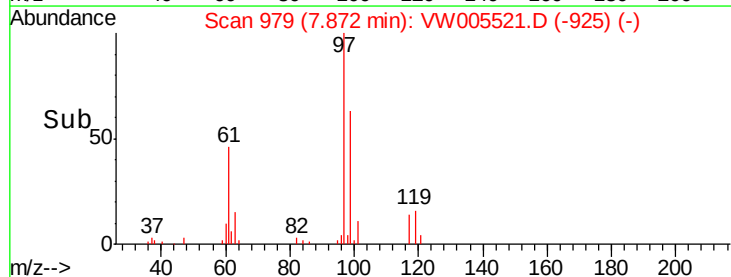
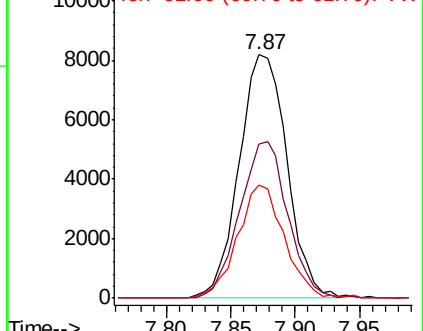
97 100

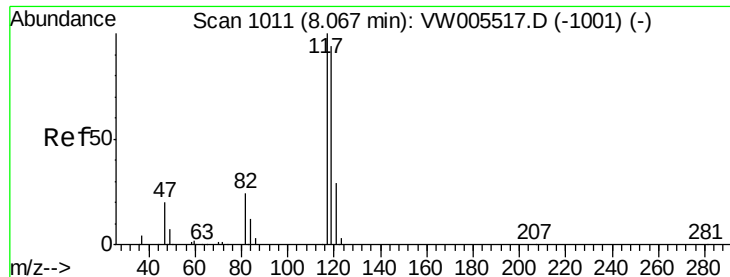
99 64.2 51.7 77.5

61 45.0 37.0 55.4



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: 2.564 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

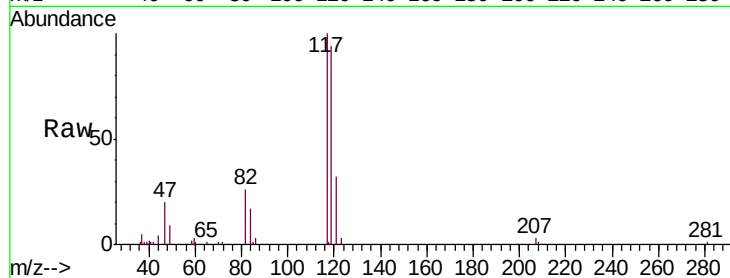
VSTD2.596

Tgt Ion:117 Resp: 19721

Ion Ratio Lower Upper

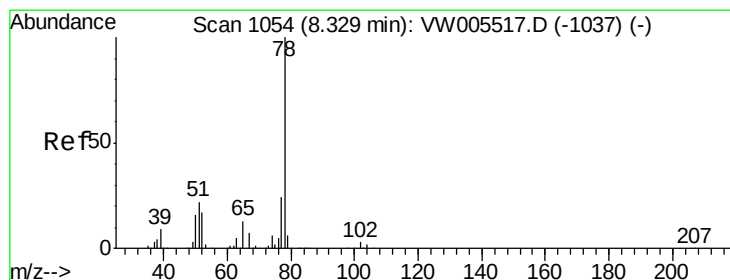
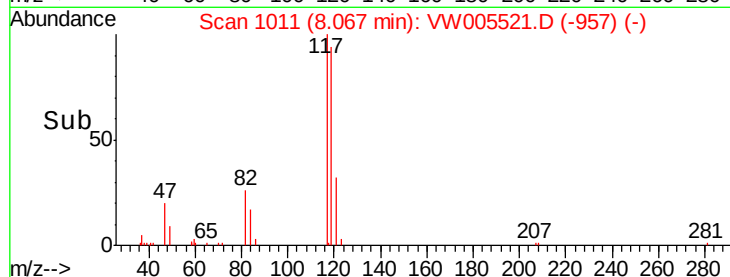
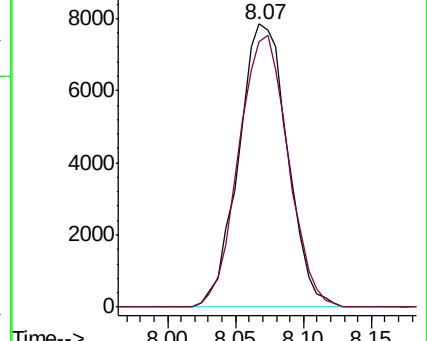
117 100

119 96.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.635 ug/L

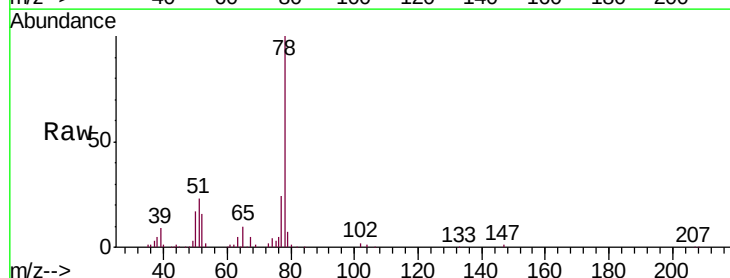
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

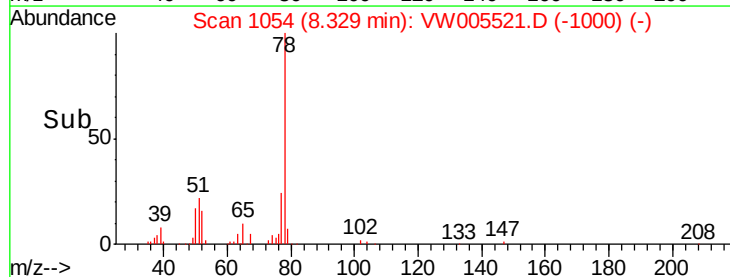
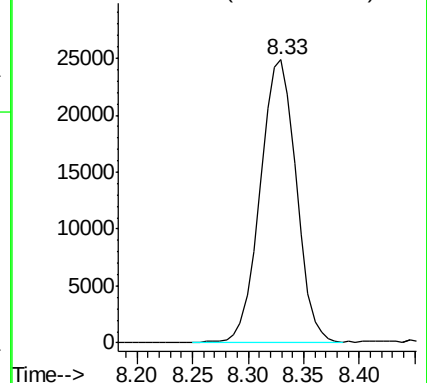
Lab File: VW005521.D

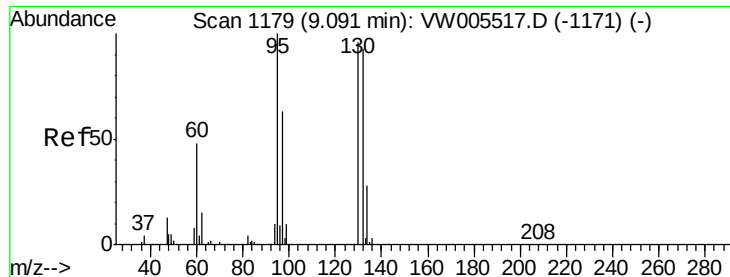
Acq: 19 Sep 2018 17:59

Tgt Ion: 78 Resp: 56406



Abundance Ion 78.00 (77.70 to 78.70): VW

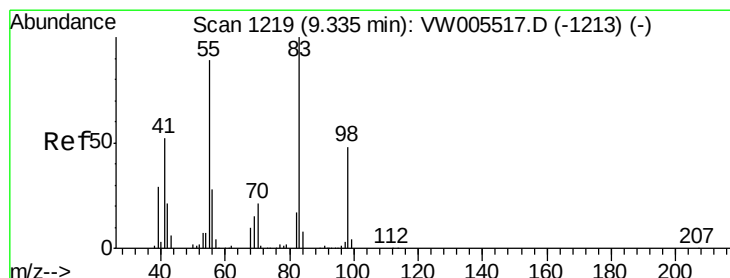
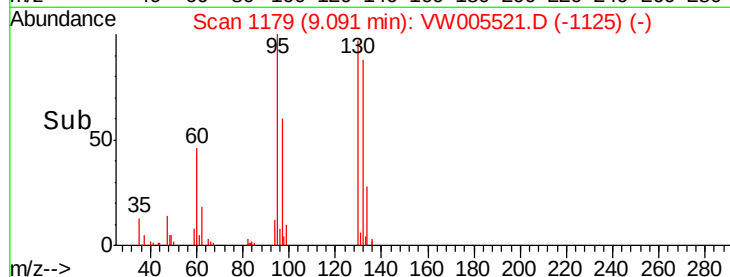
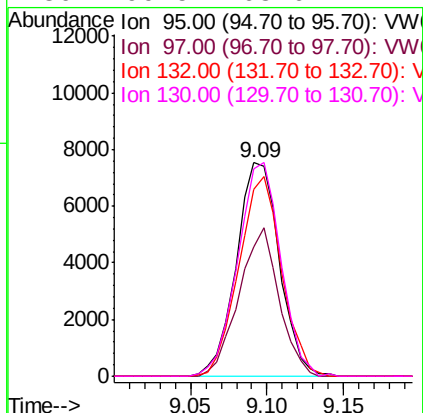
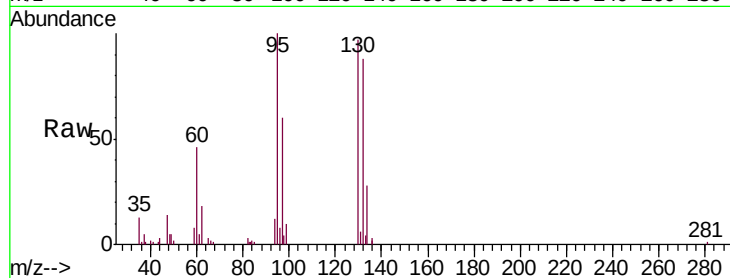




#35
 Trichloroethene
 Concen: 2.682 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

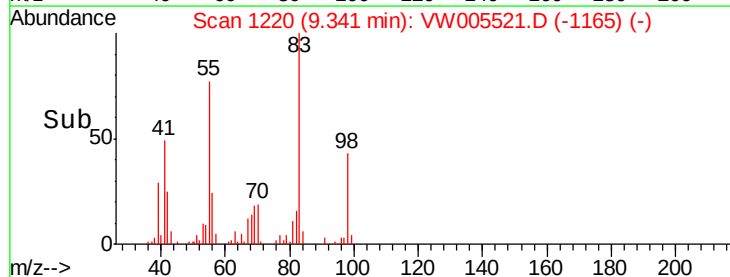
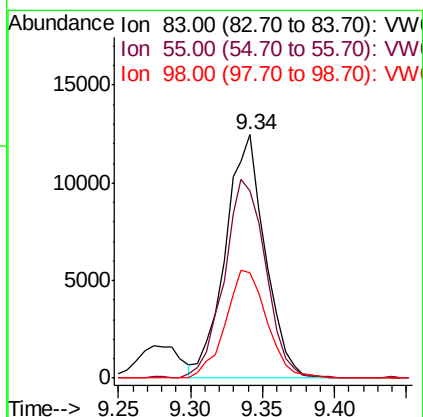
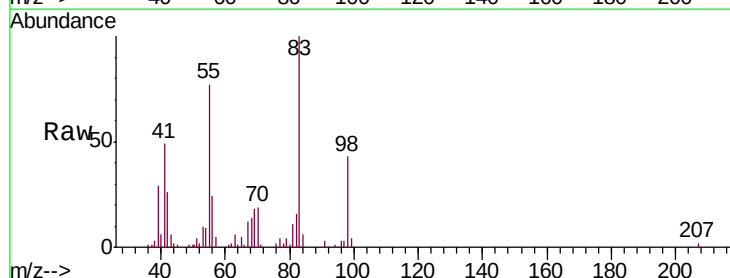
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

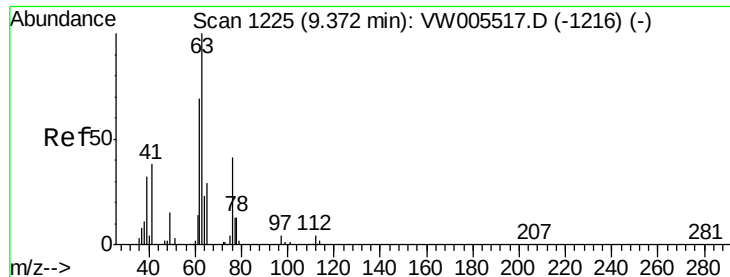
Tgt Ion:	95	Resp:	14796
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.0	83.6
132	92.5	66.4	123.2
130	99.5	68.6	127.4



#36
 Methylcyclohexane
 Concen: 2.387 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion:	83	Resp:	23982
Ion	Ratio	Lower	Upper
83	100		
55	85.1	66.4	99.6
98	46.1	36.3	54.5





#40

1,2-Dichloropropane

Concen: 2.576 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

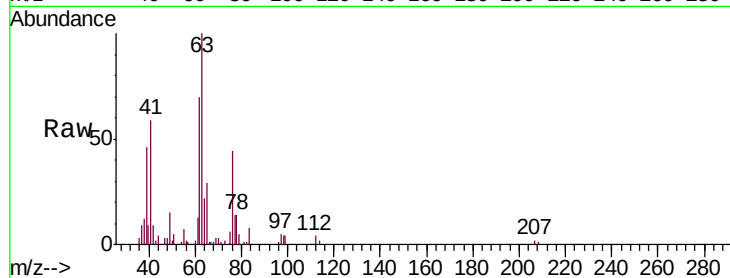
VSTD2.596

Tgt Ion: 63 Resp: 14482

Ion Ratio Lower Upper

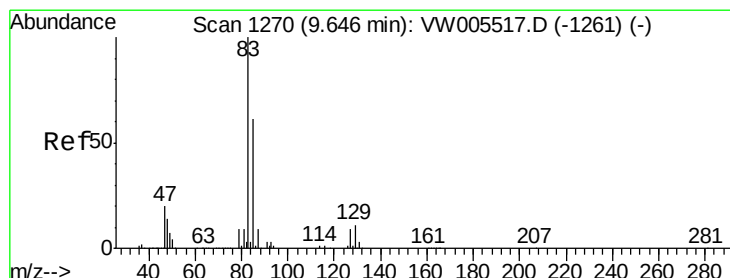
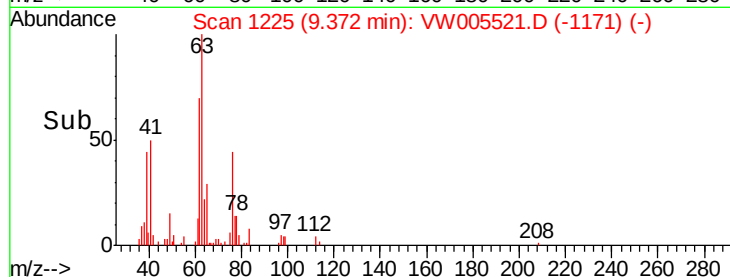
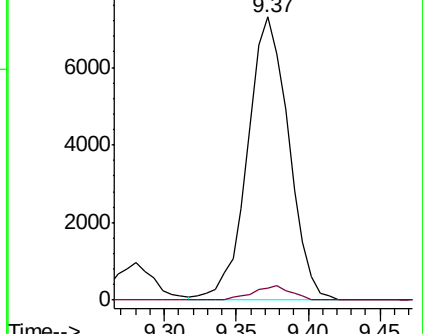
63 100

112 4.5 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 2.529 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

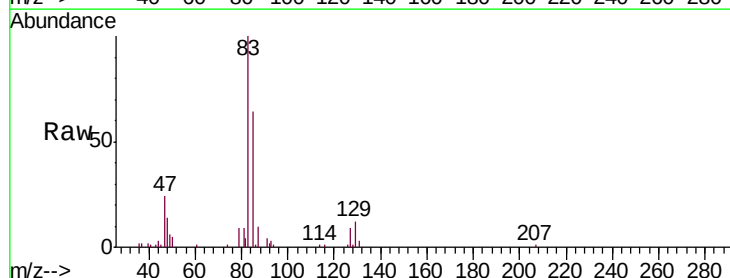
Tgt Ion: 83 Resp: 17361

Ion Ratio Lower Upper

83 100

85 63.7 43.0 80.0

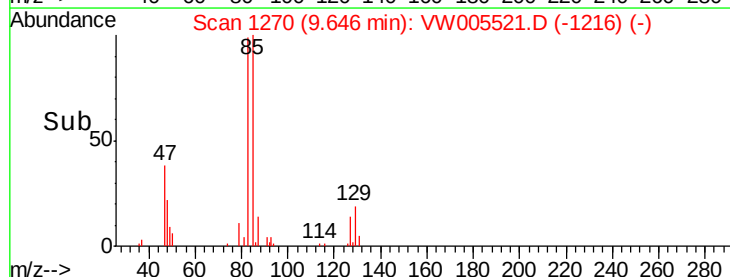
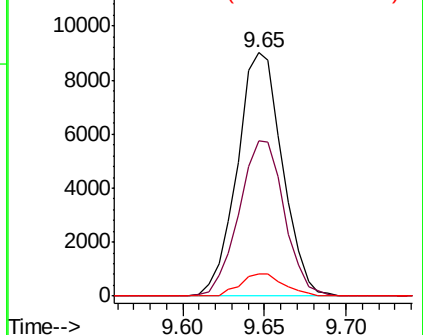
127 8.9 6.8 10.2

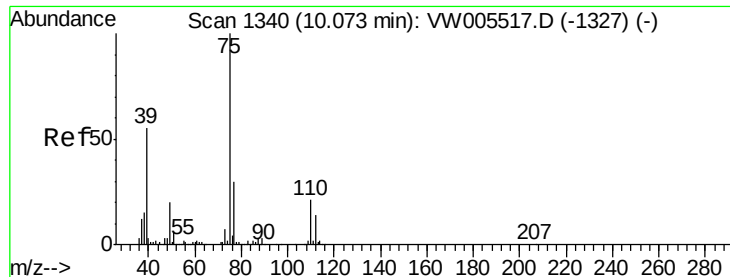


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 2.337 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

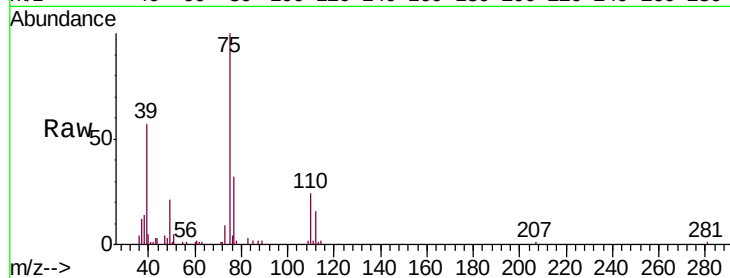
VSTD2.596

Tgt Ion: 75 Resp: 19372

Ion Ratio Lower Upper

75 100

77 32.3 21.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12000

10000

8000

6000

4000

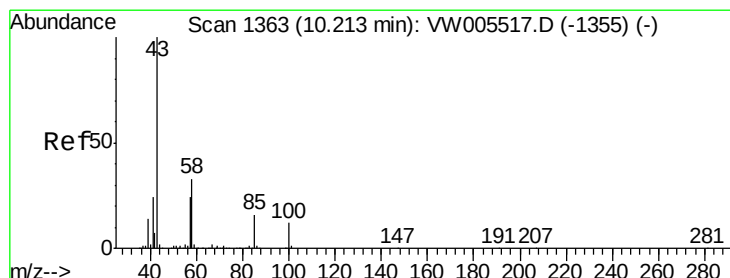
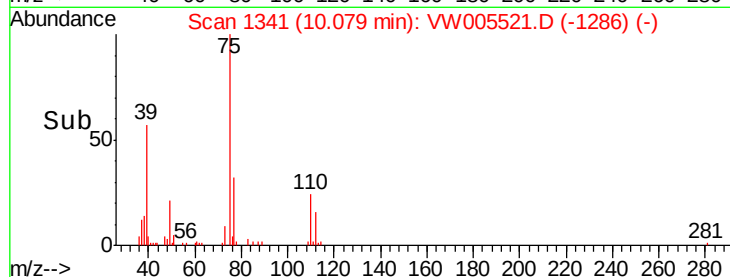
2000

0

10.00

10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 4.858 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

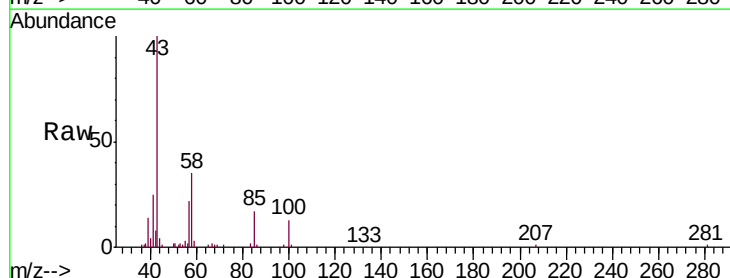
Tgt Ion: 43 Resp: 21295

Ion Ratio Lower Upper

43 100

58 37.0 29.2 43.8

100 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

15000

10000

5000

0

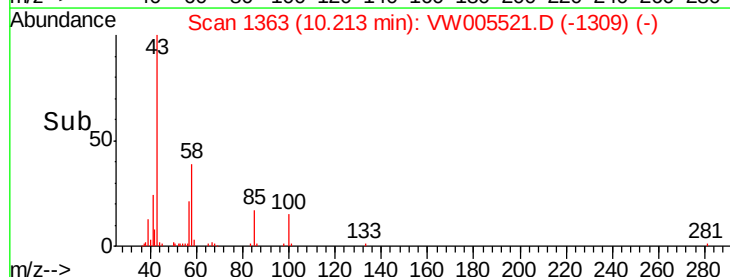
10.15

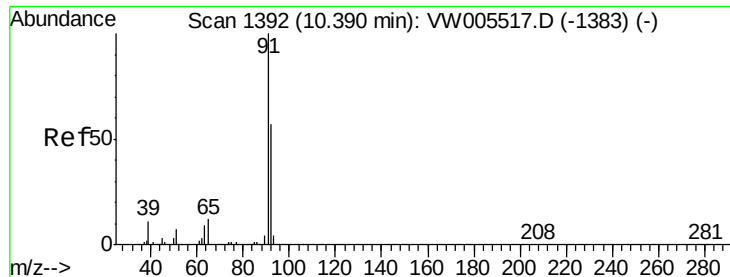
10.20

10.25

10.30

Time-->





#44

Toluene

Concen: 2.425 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

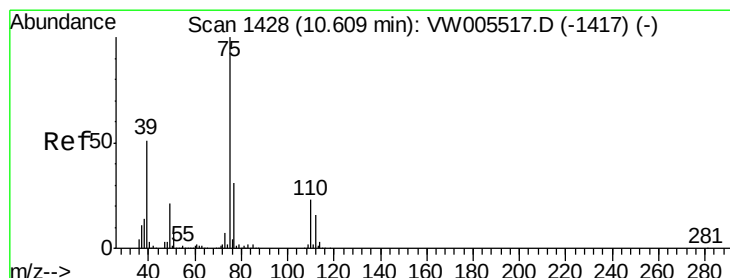
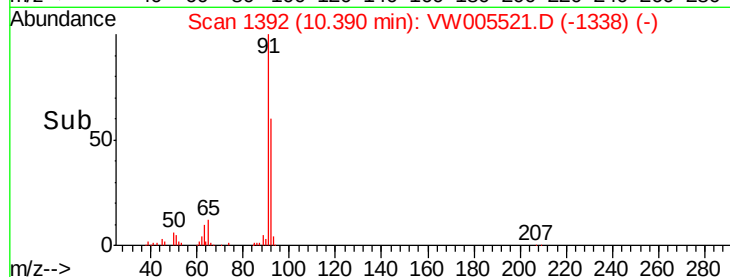
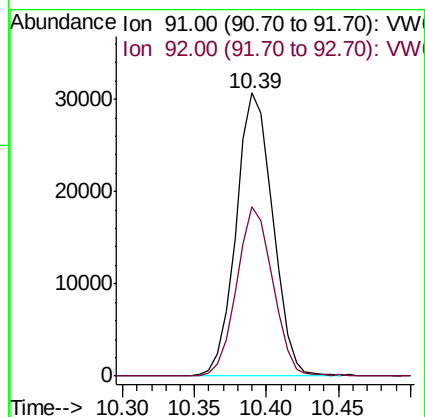
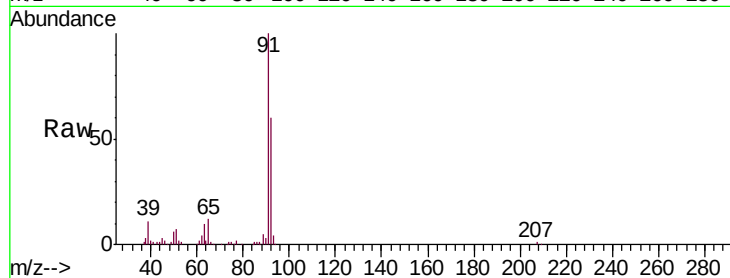
VSTD2.596

Tgt Ion: 91 Resp: 54486

Ion Ratio Lower Upper

91 100

92 59.9 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 2.459 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005521.D

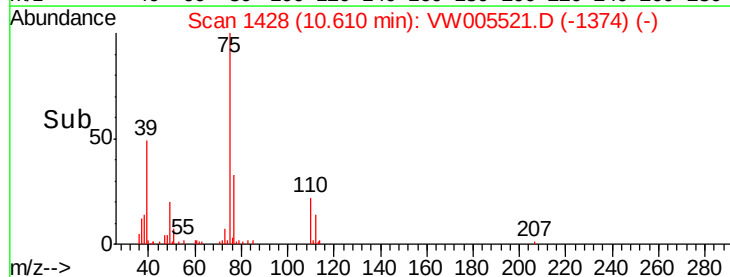
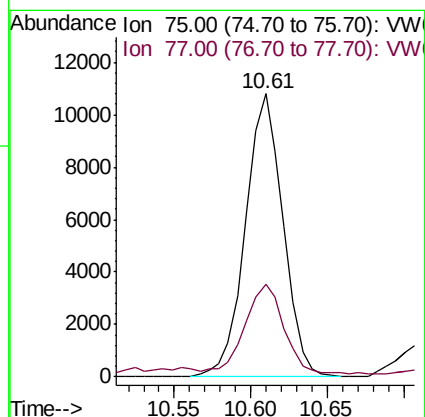
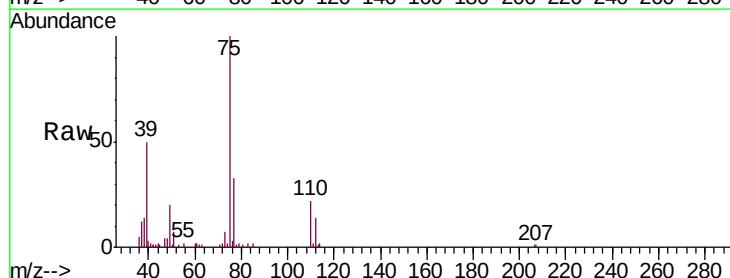
Acq: 19 Sep 2018 17:59

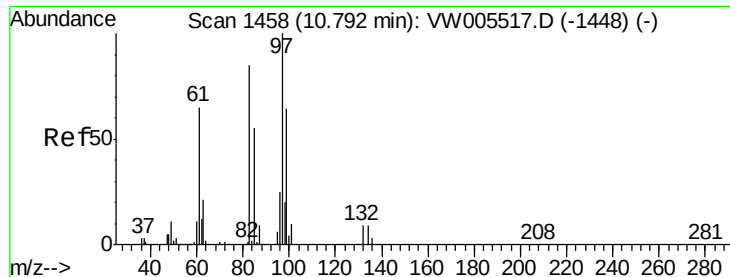
Tgt Ion: 75 Resp: 18398

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 2.631 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.596

Tgt Ion: 97 Resp: 10844

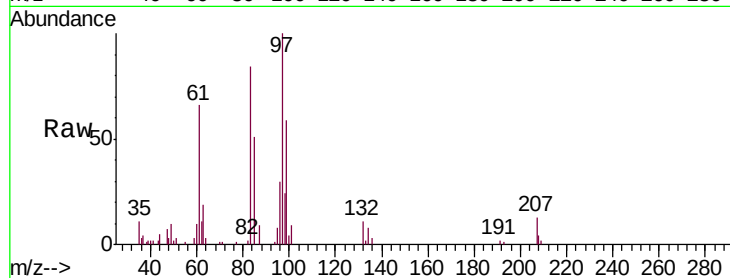
Ion Ratio Lower Upper

97 100

83 84.4 59.5 110.5

85 50.7 38.4 71.2

99 58.8 44.5 82.7

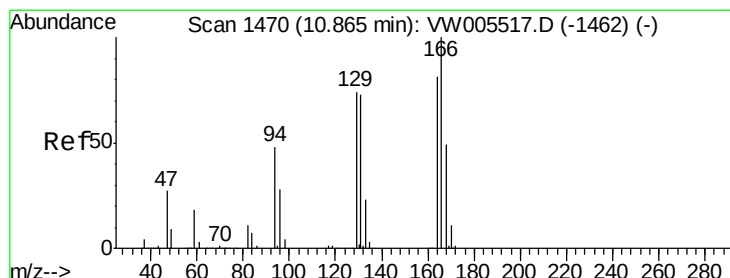
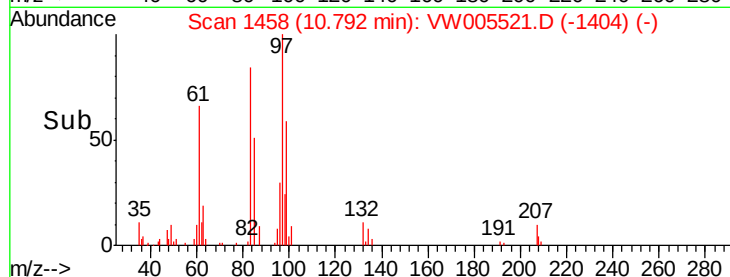
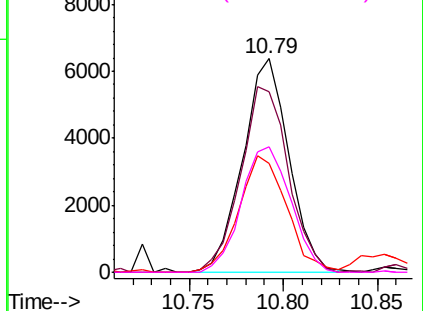


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.701 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Tgt Ion: 164 Resp: 12230

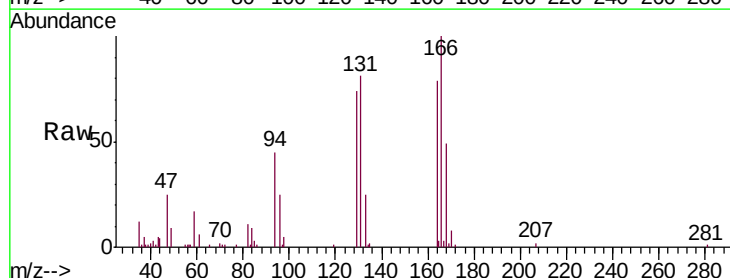
Ion Ratio Lower Upper

164 100

129 93.7 63.7 118.3

131 102.2 63.3 117.5

166 126.2 86.5 160.6

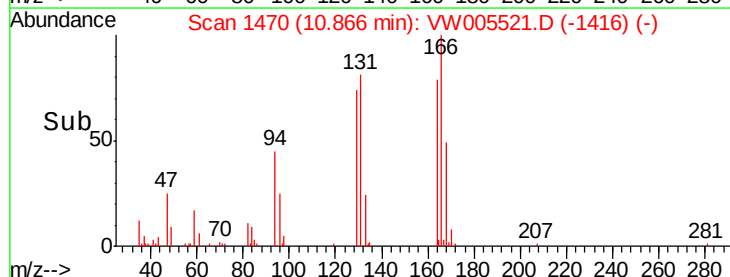
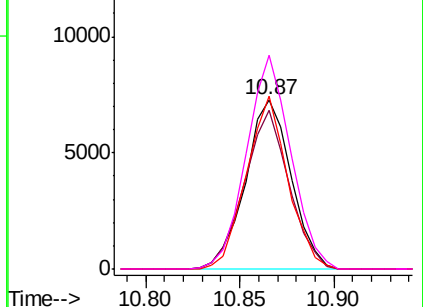


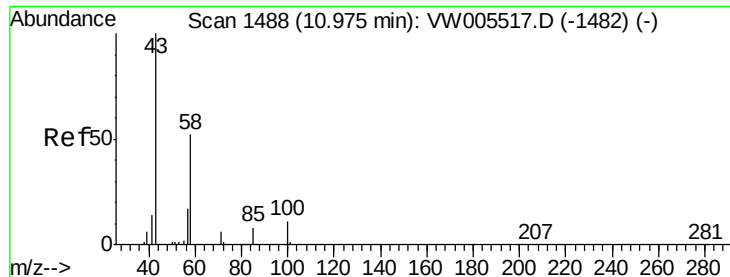
Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.752 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.596

Tgt Ion: 43 Resp: 14971

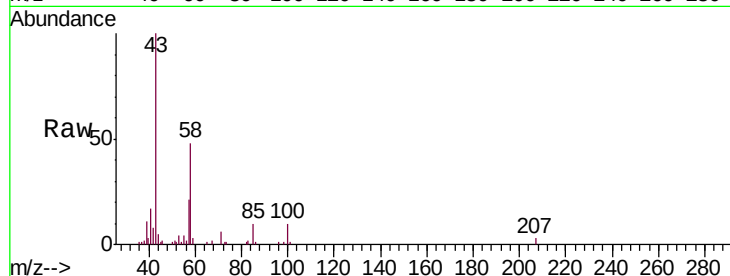
Ion Ratio Lower Upper

43 100

58 47.9 40.1 60.1

57 21.1 14.1 21.1

100 11.5 7.9 11.9

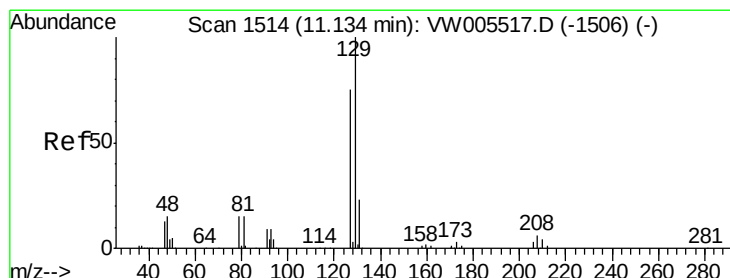
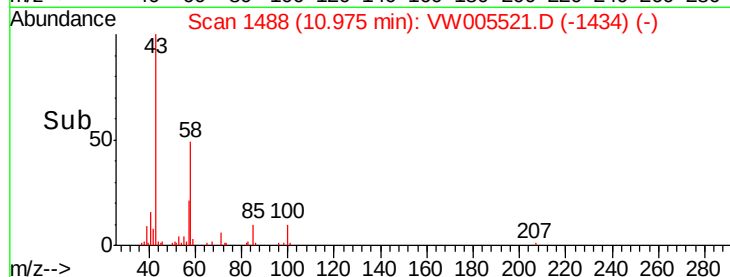
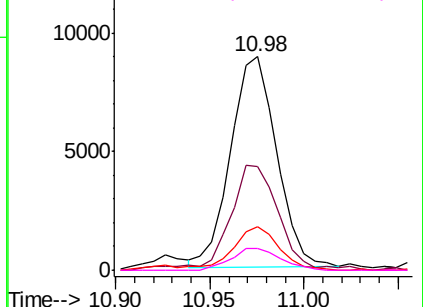


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.516 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW005521.D

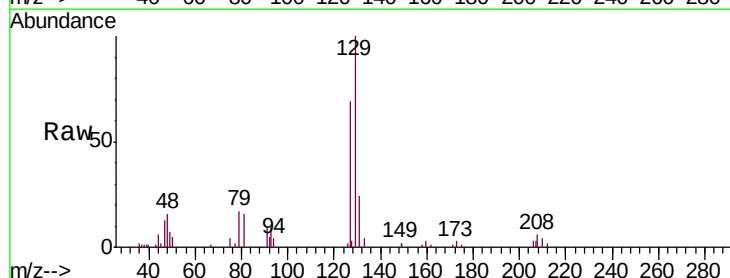
Acq: 19 Sep 2018 17:59

Tgt Ion: 129 Resp: 12202

Ion Ratio Lower Upper

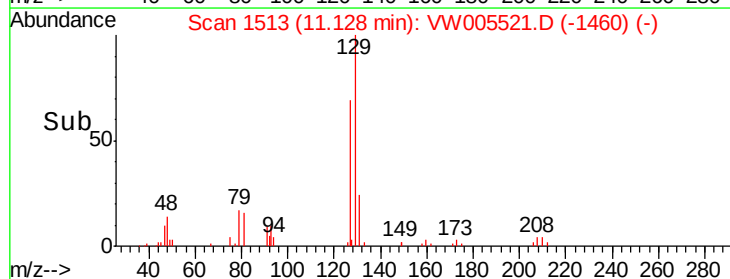
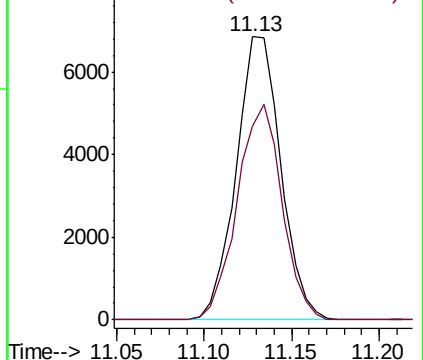
129 100

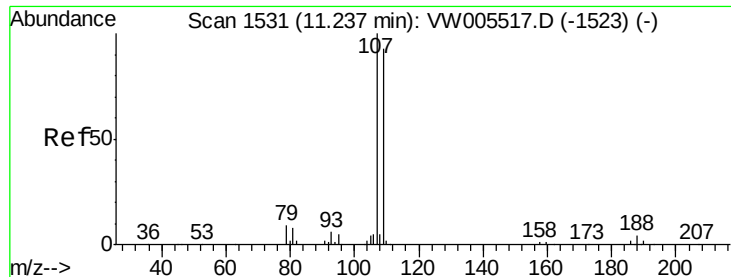
127 71.4 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

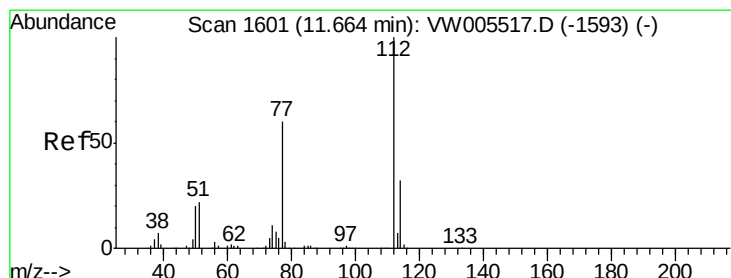
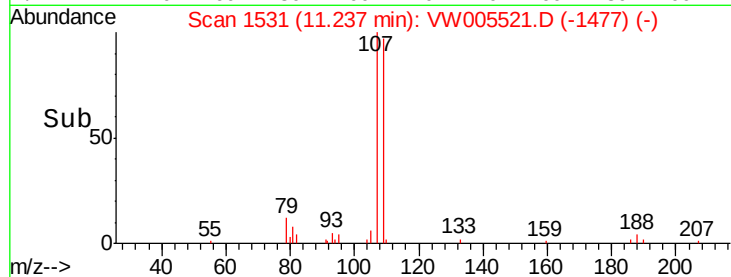
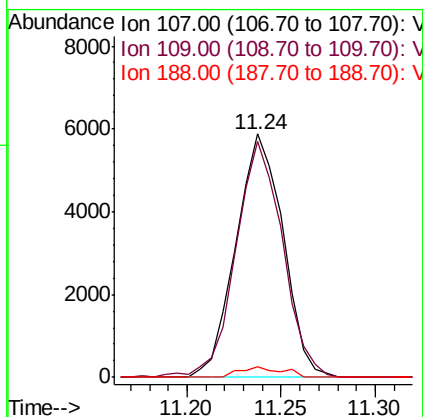
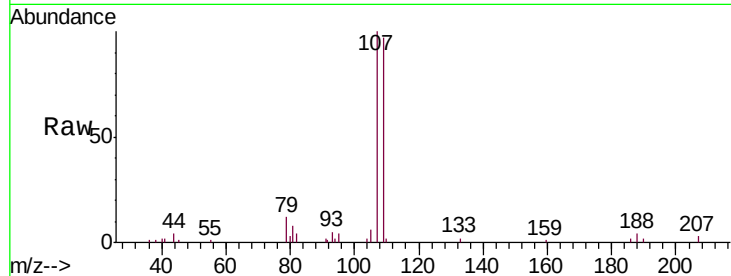




#51
 1,2-Dibromoethane
 Concen: 2.602 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

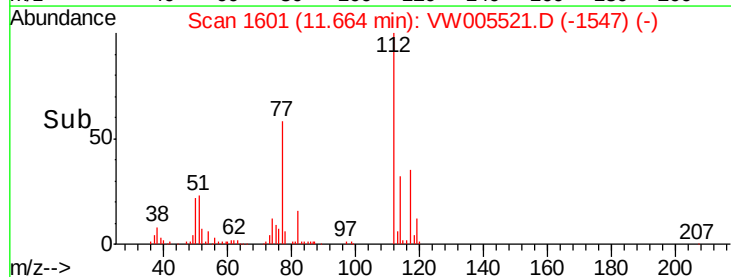
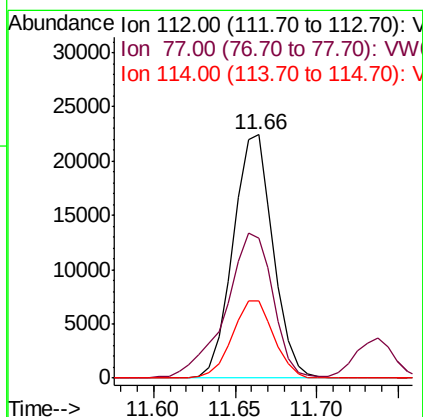
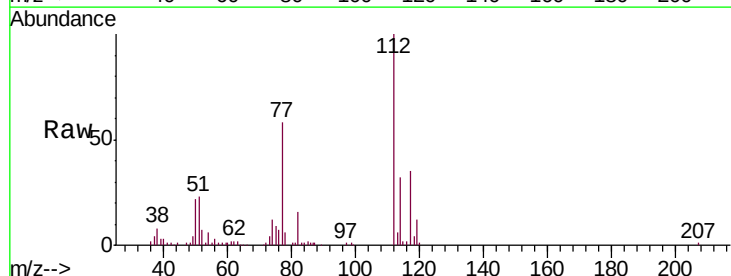
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

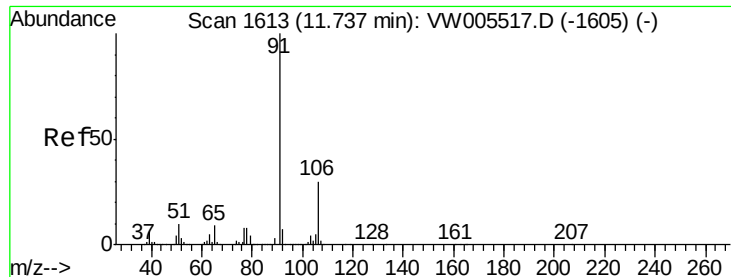
Tgt Ion:107 Resp: 10182
 Ion Ratio Lower Upper
 107 100
 109 97.1 65.4 121.4
 188 4.3 2.9 4.3#



#52
 Chlorobenzene
 Concen: 2.617 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion:112 Resp: 38237
 Ion Ratio Lower Upper
 112 100
 77 57.7 48.5 72.7
 114 31.6 22.5 41.7





#53

Ethylbenzene

Concen: 2.469 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

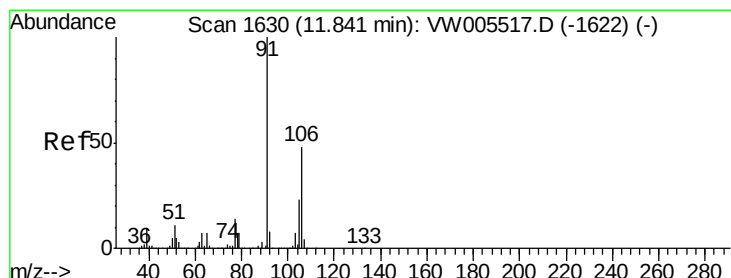
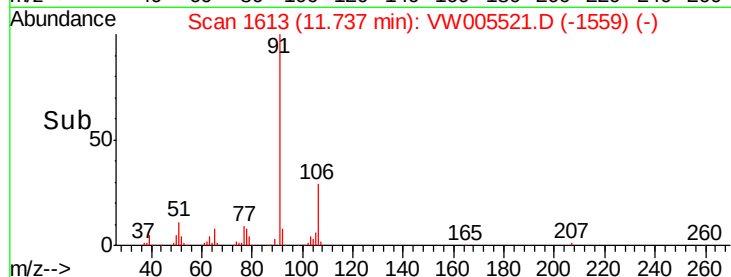
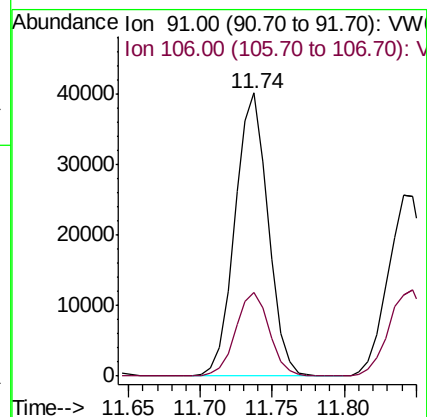
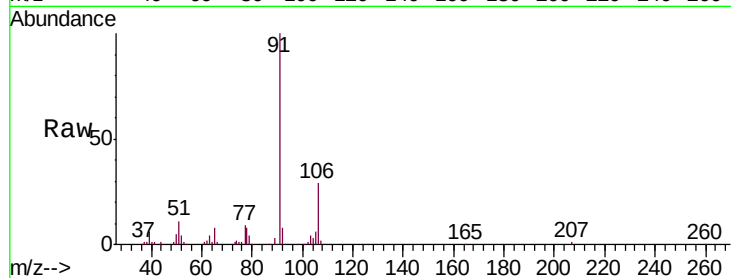
VSTD2.596

Tgt Ion: 91 Resp: 64515

Ion Ratio Lower Upper

91 100

106 29.5 20.8 38.6



#54

m,p-Xylene

Concen: 2.408 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW005521.D

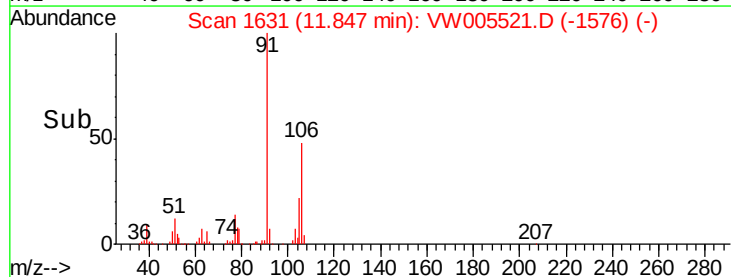
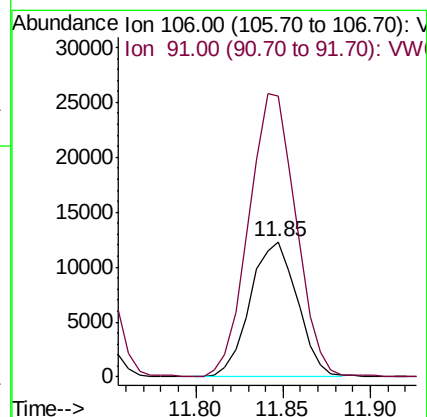
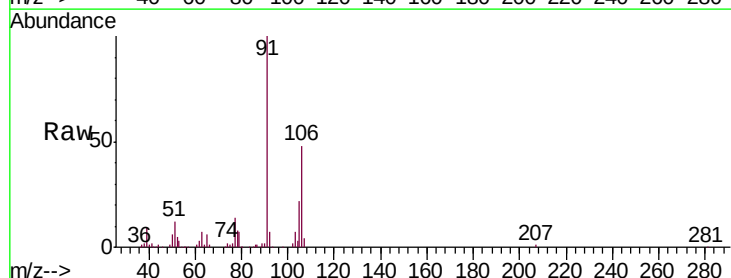
Acq: 19 Sep 2018 17:59

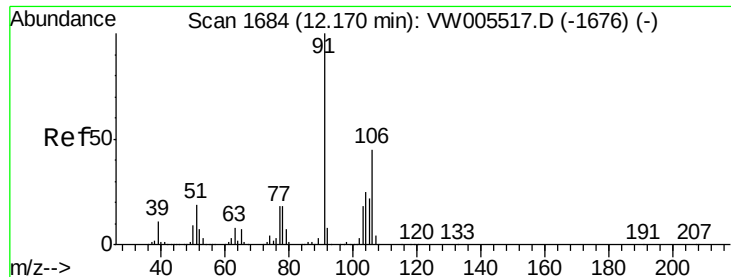
Tgt Ion: 106 Resp: 23124

Ion Ratio Lower Upper

106 100

91 207.8 144.6 268.6

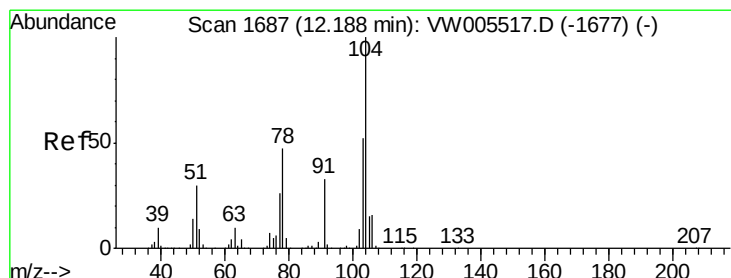
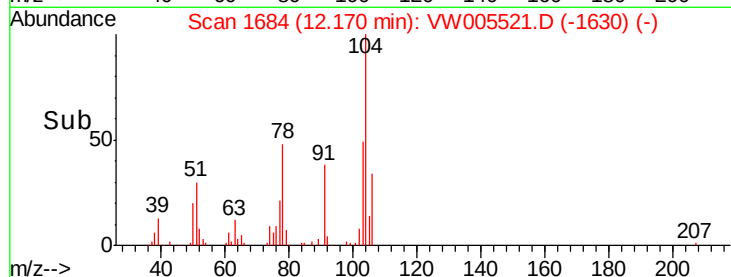
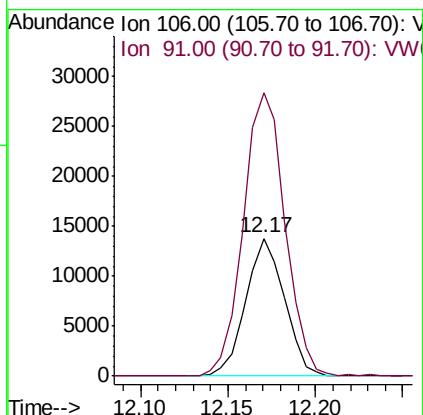
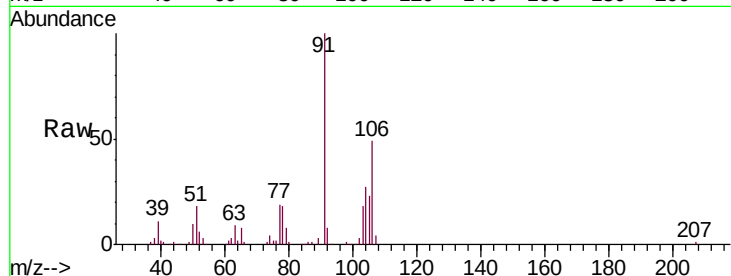




#55
o-xylene
Concen: 2.329 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

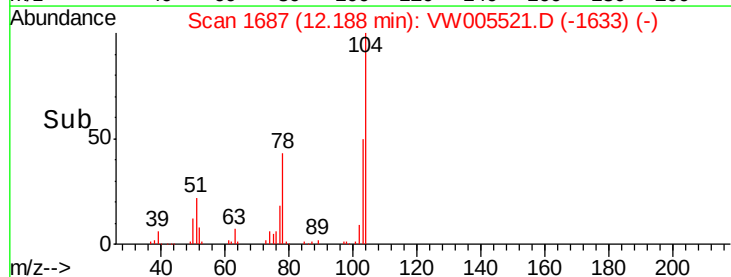
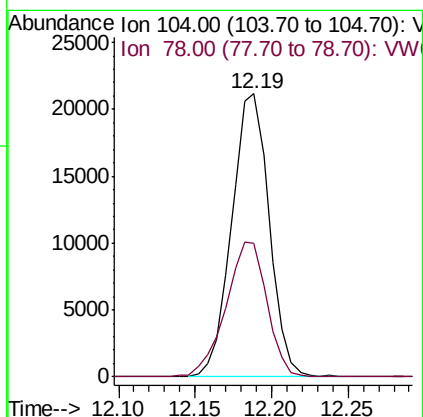
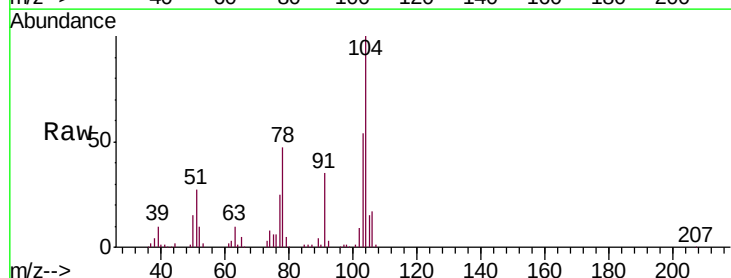
Instrument :
MSVOA_W
ClientSampled :
VSTD2.596

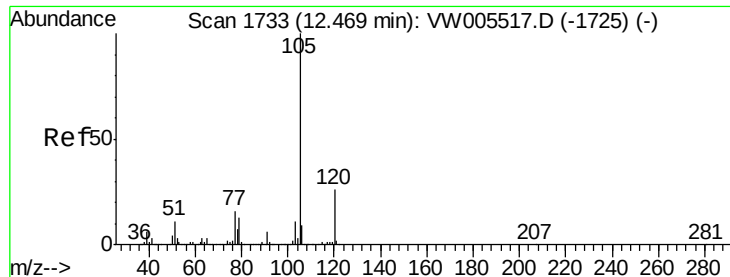
Tgt Ion:106 Resp: 21269
Ion Ratio Lower Upper
106 100
91 205.6 156.3 290.3



#56
Styrene
Concen: 2.276 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005521.D
Acq: 19 Sep 2018 17:59

Tgt Ion:104 Resp: 35925
Ion Ratio Lower Upper
104 100
78 47.0 32.6 60.6





#57

Isopropylbenzene

Concen: 2.274 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

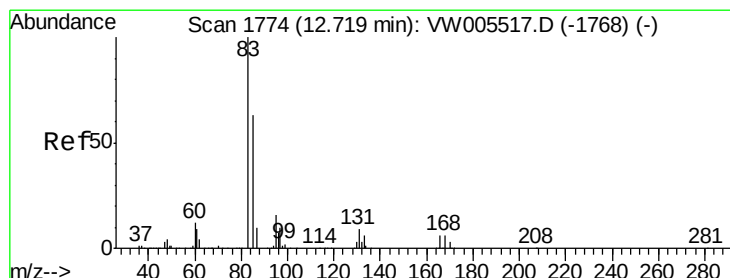
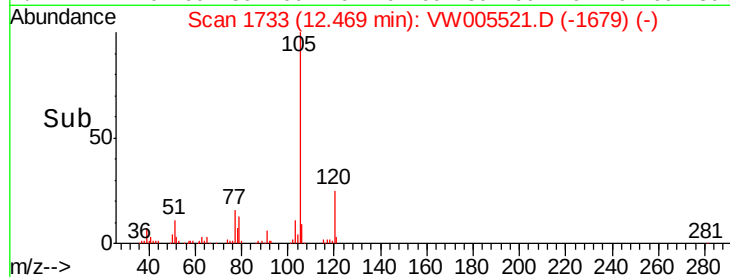
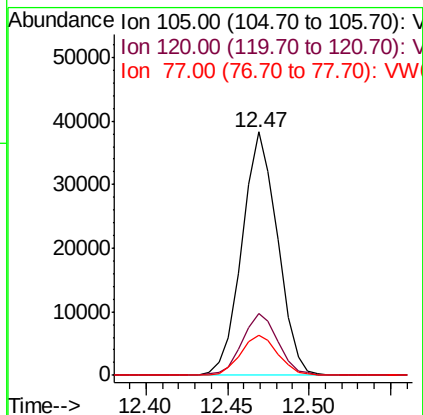
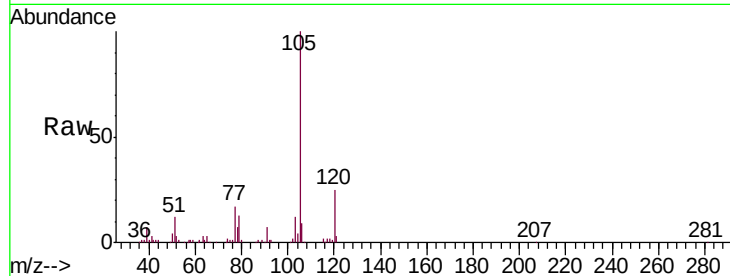
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.596

Tgt Ion:	105	Resp:	58230
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6
77	17.3	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 2.697 ug/L

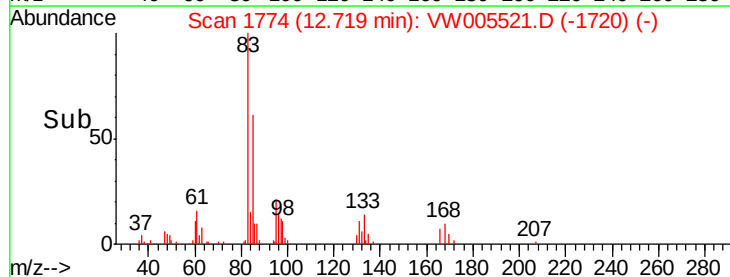
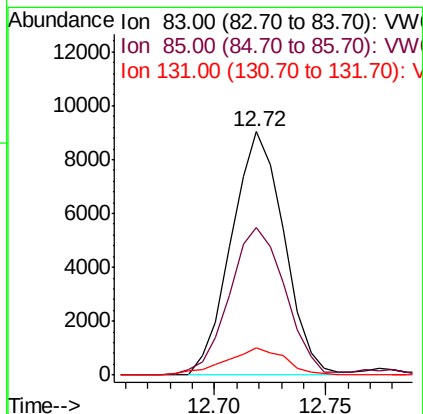
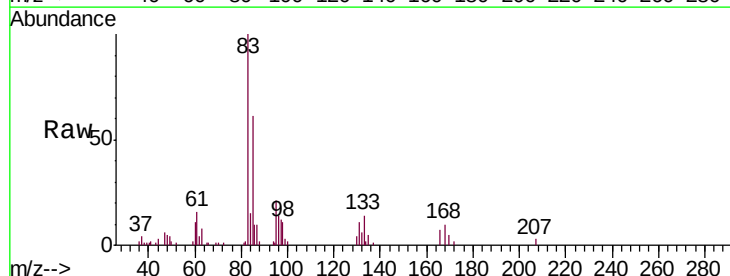
RT: 12.72 min Scan# 1774

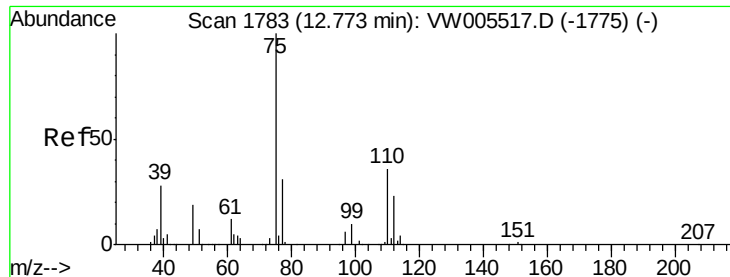
Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Tgt Ion:	83	Resp:	14875
Ion	Ratio	Lower	Upper
83	100		
85	60.5	43.9	81.5
131	11.1	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 2.814 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

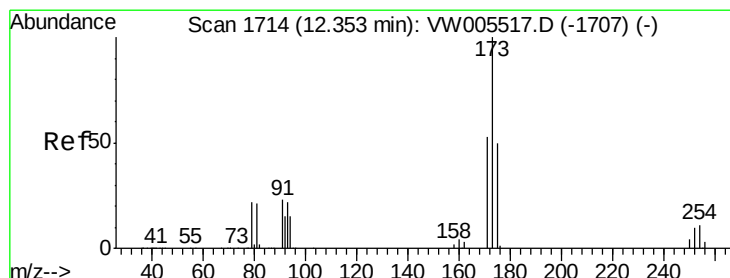
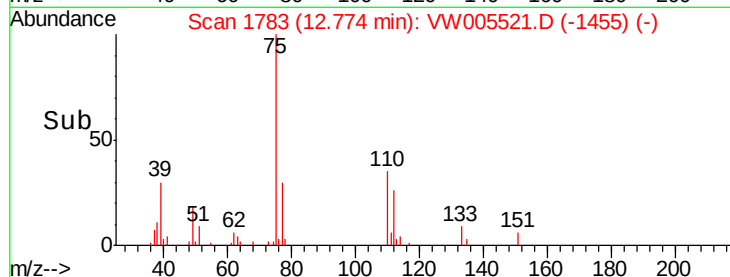
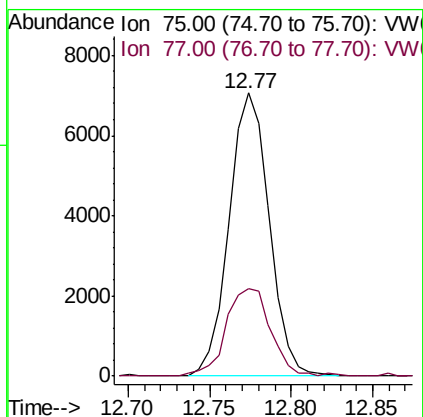
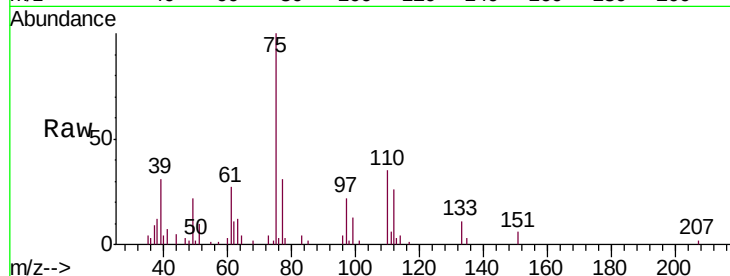
VSTD2.596

Tgt Ion: 75 Resp: 12112

Ion Ratio Lower Upper

75 100

77 34.5 25.9 38.9



#62

Bromoform

Concen: 2.656 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

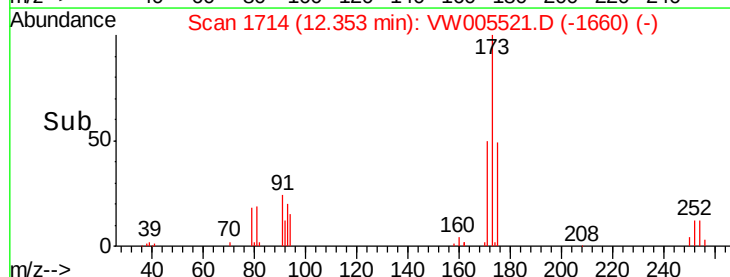
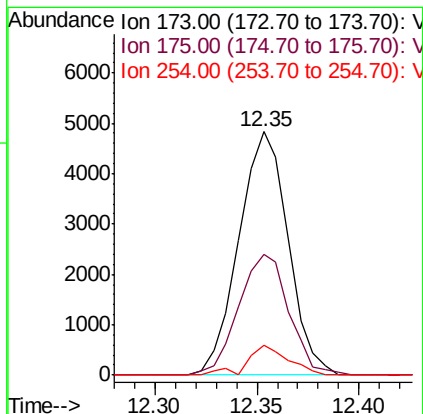
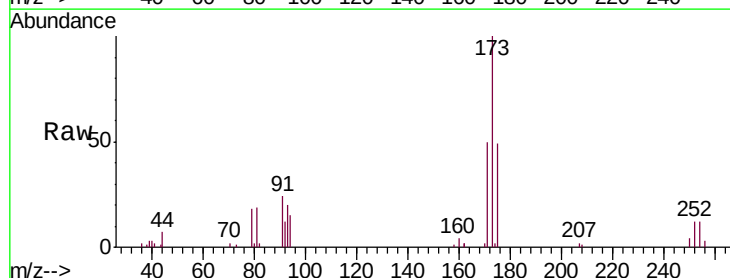
Tgt Ion: 173 Resp: 8095

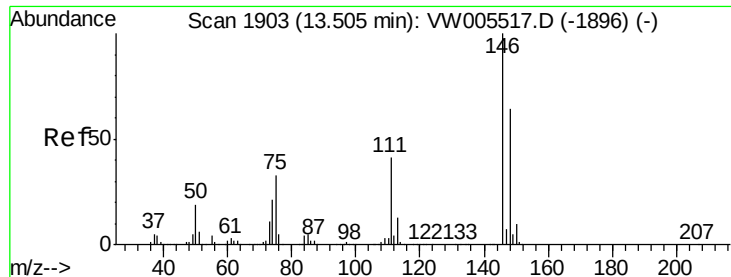
Ion Ratio Lower Upper

173 100

175 50.6 39.4 59.0

254 9.1 8.8 13.2

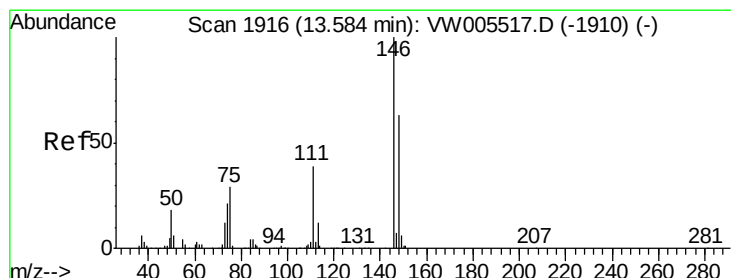
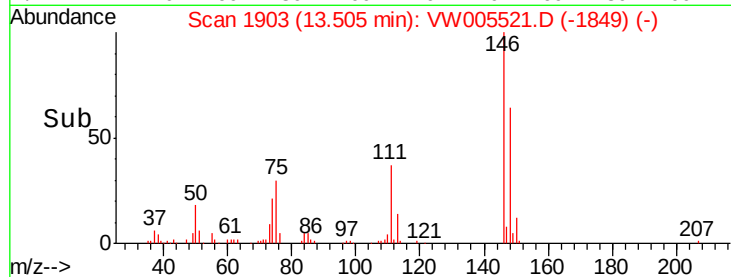
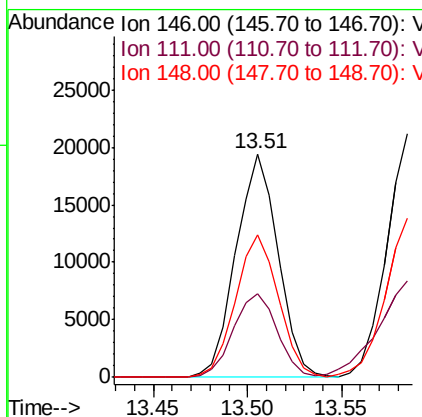
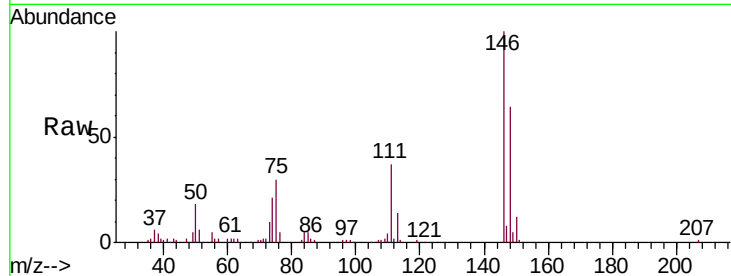




#63
 1,3-Dichlorobenzene
 Concen: 2.632 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

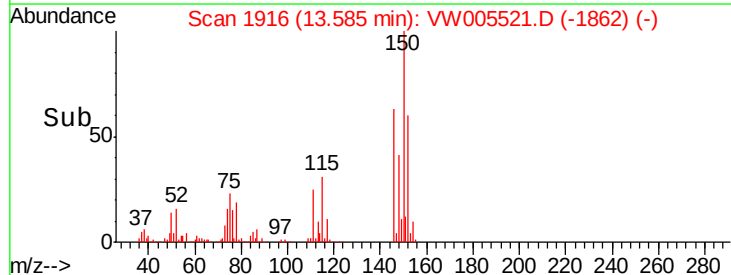
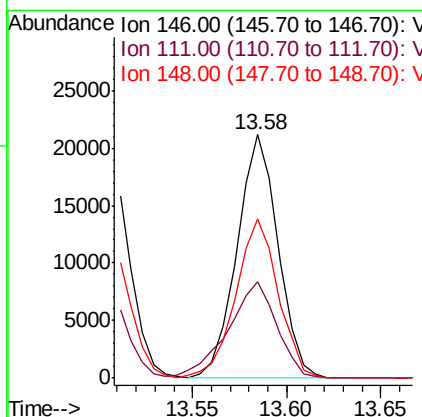
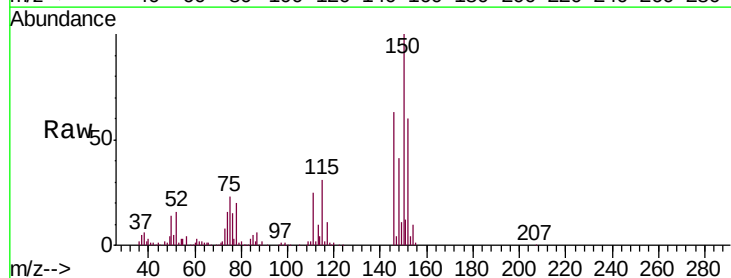
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

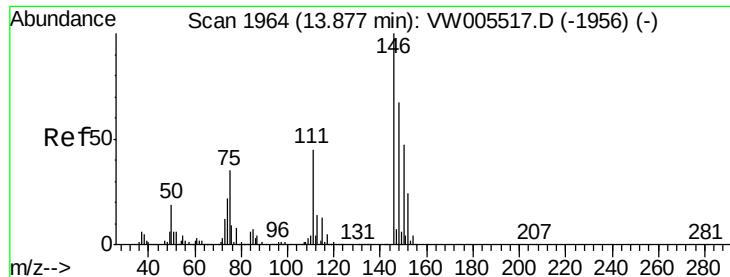
Tgt Ion:146 Resp: 30174
 Ion Ratio Lower Upper
 146 100
 111 37.5 28.6 53.0
 148 63.6 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 2.697 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion:146 Resp: 31898
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.4 51.0
 148 65.3 43.8 81.4

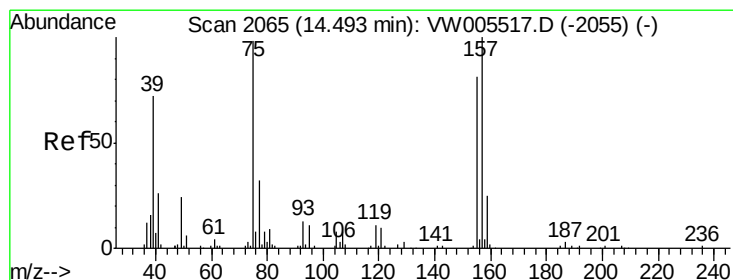
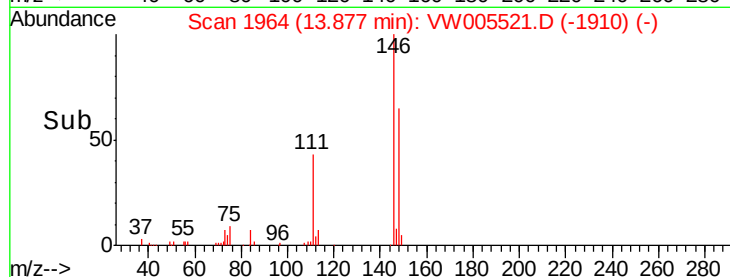
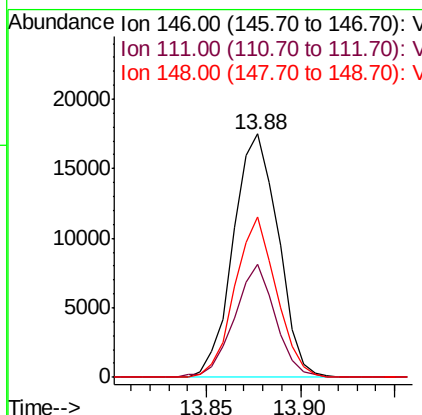
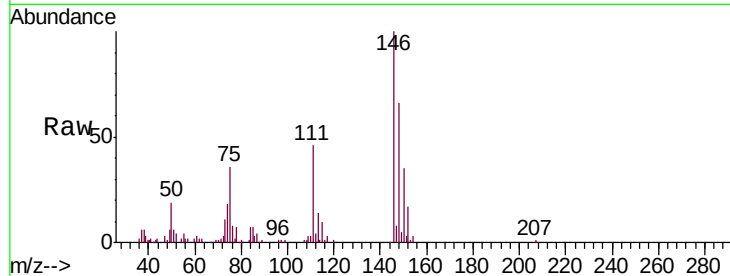




#65
 1,2-Dichlorobenzene
 Concen: 2.692 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

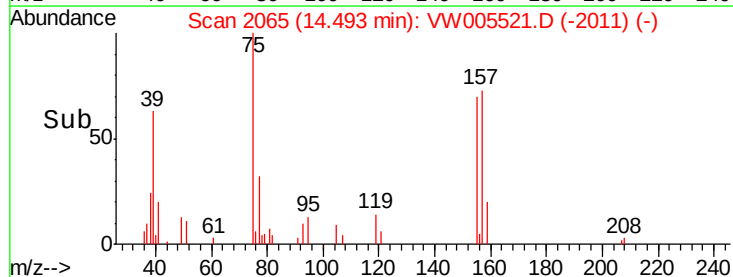
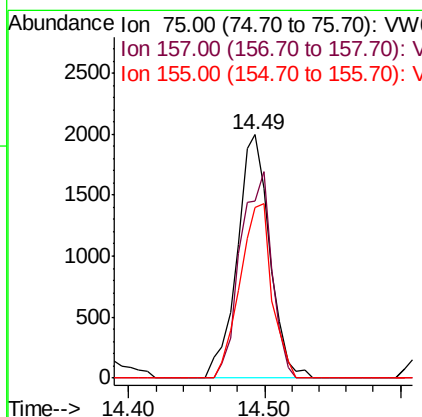
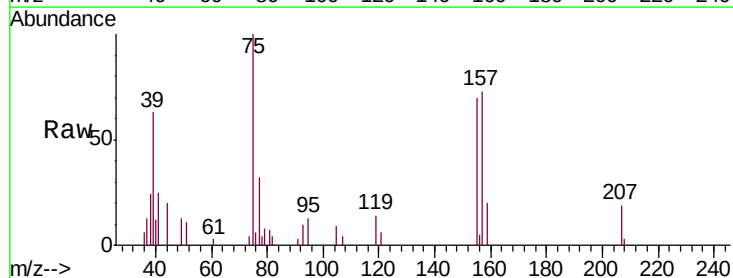
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

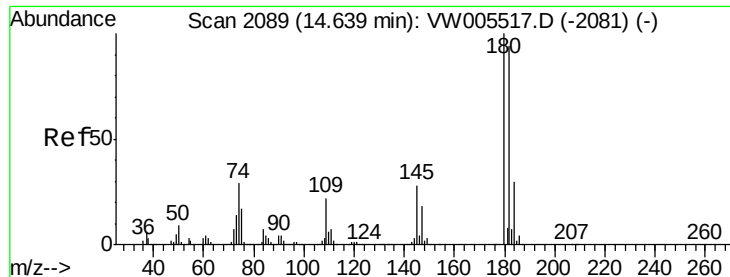
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	35.9	53.9
148	65.7	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.205 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
157	72.7	81.5	122.3#
155	70.1	66.2	99.2

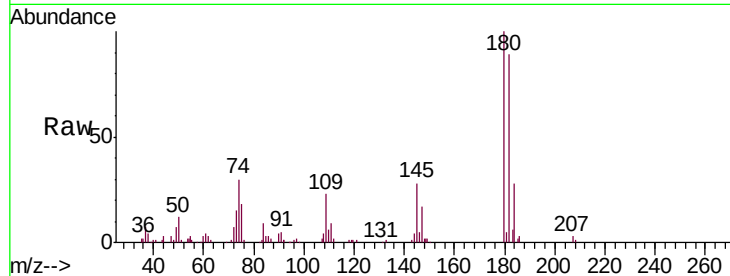




#67
 1,3,5-Trichlorobenzene
 Concen: 2.714 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.596

Tgt Ion:	180	Resp:	24294
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.2	114.4
184	31.5	24.1	36.1
145	29.1	23.5	35.3



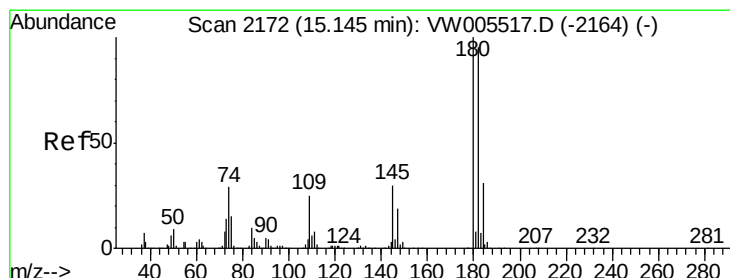
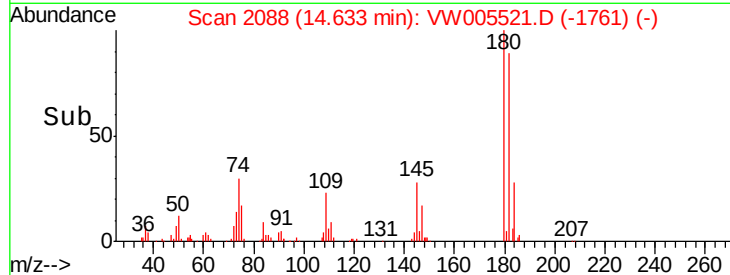
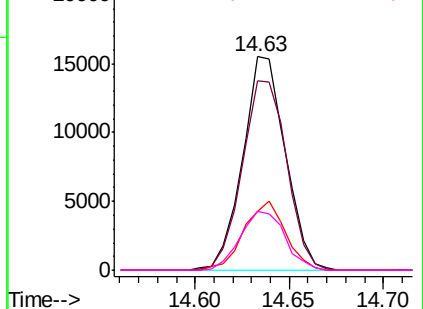
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

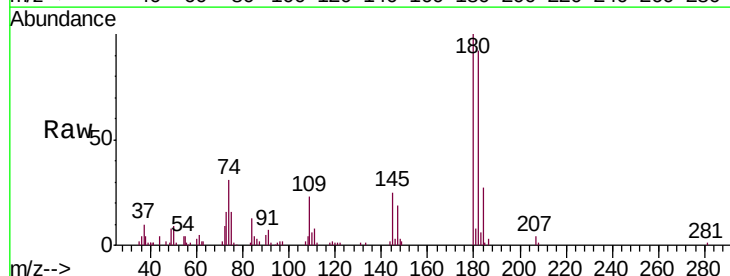
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.573 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005521.D
 Acq: 19 Sep 2018 17:59

Tgt Ion:	180	Resp:	18990
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
145	30.0	24.6	37.0

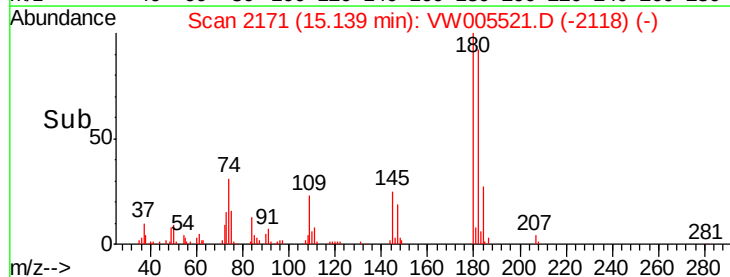
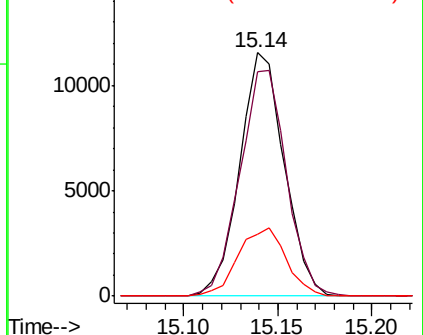


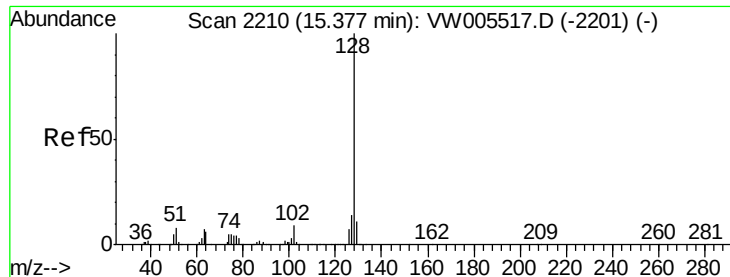
Abundance

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





#69

Naphthalene

Concen: 2.526 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.596

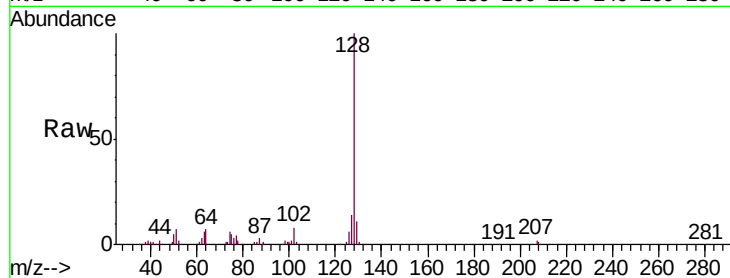
Tgt Ion:128 Resp: 38701

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

127 14.0 11.0 16.4

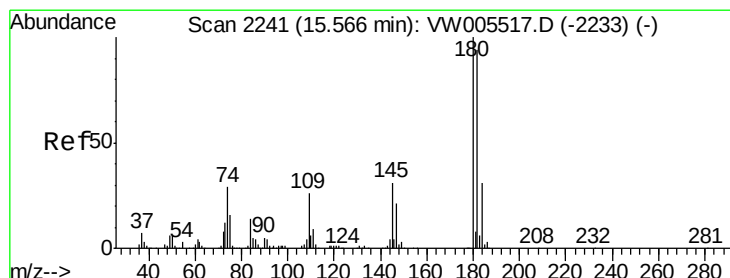
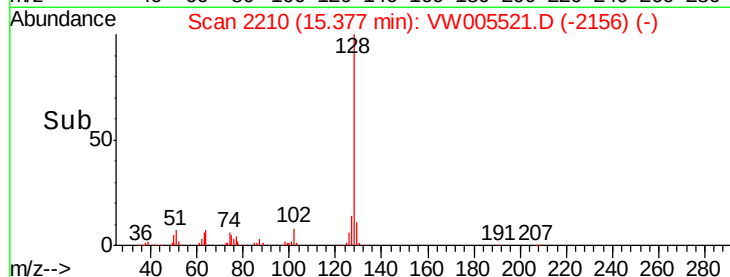
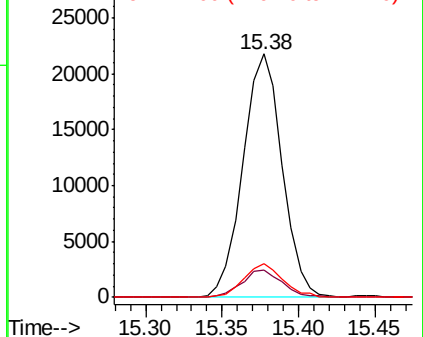


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.761 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005521.D

Acq: 19 Sep 2018 17:59

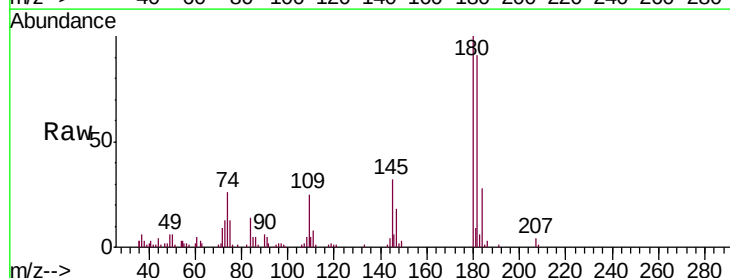
Tgt Ion:180 Resp: 18891

Ion Ratio Lower Upper

180 100

182 91.7 76.6 114.8

145 32.4 25.9 38.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

