

Data File : VW005398.D
Acq On : 14 Sep 2018 19:53
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

Quant Time: Sep 14 23:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 23:16:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	300076	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	294230	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	155758	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	83891	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.88%
7) Chloroethane-d5	2.89	69	66620	27.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.84%
10) 1,1-Dichloroethene-d2	4.03	63	159181	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.96%
20) 2-Butanone-d5	7.10	46	53691	41.16	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.32%
24) Chloroform-d	7.65	84	171008	30.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	122.24%
26) 1,2-Dichloroethane-d4	8.31	65	106177	29.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.64%
29) Benzene-d6	8.28	84	340098	28.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.16%
33) 1,2-Dichloropropane-d6	9.28	67	98694	29.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.08%
37) Toluene-d8	10.33	98	355300	29.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	118.76%
38) trans-1,3-Dichloropropene-	10.58	79	49398	29.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.12%
39) 2-Hexanone-d5	10.93	63	45267	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93964	26.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	133703	28.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	154556	24.986	ug/L	100
3) Chloromethane	2.21	50	134560	23.623	ug/L	100
5) Vinyl chloride	2.36	62	129403	23.845	ug/L	99
6) Bromomethane	2.78	94	72435	25.763	ug/L	97
8) Chloroethane	2.92	64	71781	24.903	ug/L	98
9) Trichlorofluoromethane	3.26	101	173918	24.606	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	95531	24.741	ug/L	98
12) 1,1-Dichloroethene	4.04	96	79555	24.361	ug/L	87
13) Acetone	4.15	43	42870	35.006	ug/L	97
14) Carbon disulfide	4.39	76	290305	22.643	ug/L	99
15) Methyl Acetate	4.68	43	47347	17.524	ug/L	97
16) Methylene chloride	4.92	84	114455	20.085	ug/L	98
17) Methyl tert-butyl Ether	5.44	73	214924	23.708	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	91631	25.128	ug/L	96
19) 1,1-Dichloroethane	6.23	63	170139	25.533	ug/L	98
21) 2-Butanone	7.19	43	61542	32.791	ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	97317	25.005	ug/L	96

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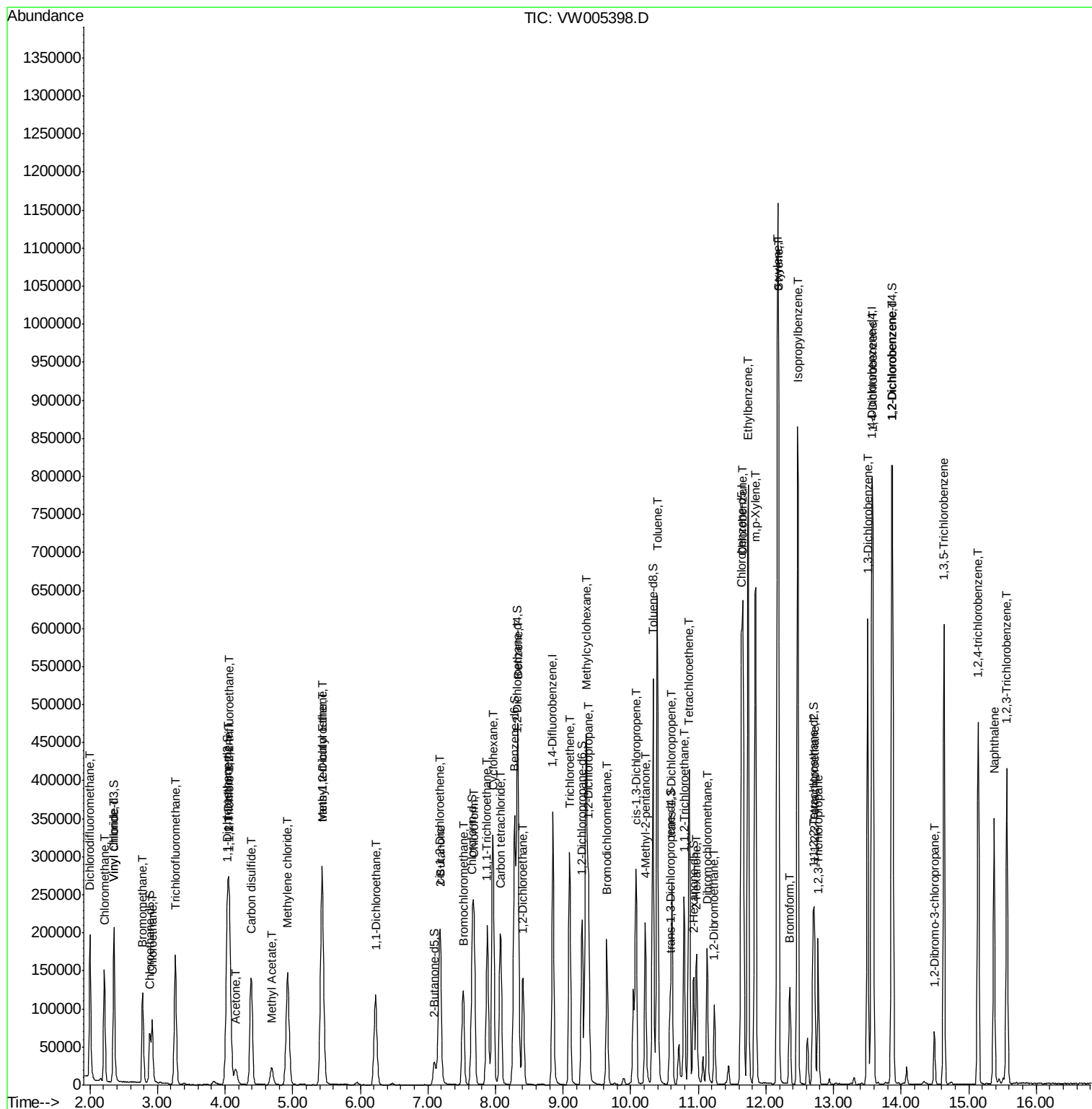
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	44632	24.609	ug/L	92
25) Chloroform	7.68	83	179338	25.593	ug/L	99
27) 1,2-Dichloroethane	8.41	62	134482	24.723	ug/L	97
30) Cyclohexane	7.96	56	162312	24.432	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	168185	25.141	ug/L	99
32) Carbon tetrachloride	8.07	117	153049	24.661	ug/L	100
34) Benzene	8.33	78	412295	25.152	ug/L	100
35) Trichloroethene	9.10	95	105830	24.325	ug/L	99
36) Methylcyclohexane	9.34	83	178880	23.688	ug/L	99
40) 1,2-Dichloropropane	9.38	63	100738	24.894	ug/L	99
41) Bromodichloromethane	9.65	83	128132	24.701	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	152669	25.542	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	139839	36.144	ug/L	100
44) Toluene	10.40	91	479085	25.508	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	140172	25.030	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	75993	23.924	ug/L	96
47) Tetrachloroethene	10.87	164	95112	24.145	ug/L	99
49) 2-Hexanone	10.98	43	108575	38.173	ug/L	98
50) Dibromochloromethane	11.13	129	93487	24.637	ug/L	98
51) 1,2-Dibromoethane	11.24	107	70359	22.567	ug/L	99
52) Chlorobenzene	11.66	112	304867	24.875	ug/L	97
53) Ethylbenzene	11.74	91	546019	24.996	ug/L	98
54) m,p-Xylene	11.85	106	209339	25.595	ug/L	99
55) o-xylene	12.17	106	195815	25.495	ug/L	98
56) Styrene	12.19	104	344618	25.996	ug/L	99
57) Isopropylbenzene	12.47	105	540156	25.319	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	92628	21.209	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	75713	20.283	ug/L	100
62) Bromoform	12.35	173	58334	22.351	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	240736	24.306	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	250442	24.500	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	230910	24.353	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	18271	17.758	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	188997	24.100	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	153353	23.659	ug/L	99
69) Naphthalene	15.38	128	290557	20.460	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	142653	23.416	ug/L	100

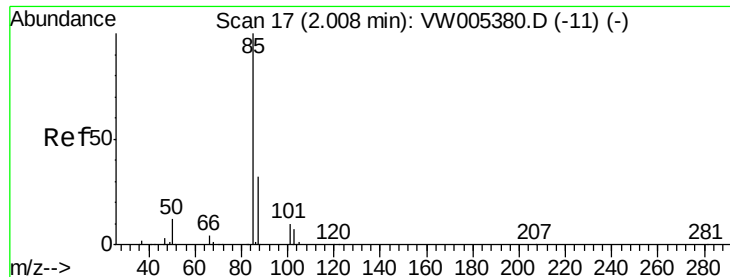
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.986 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

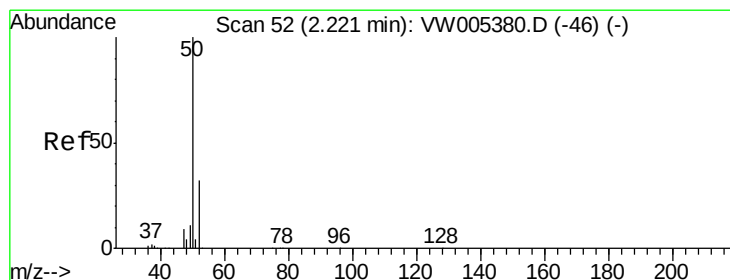
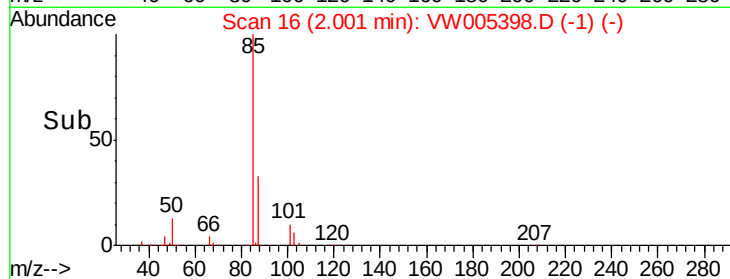
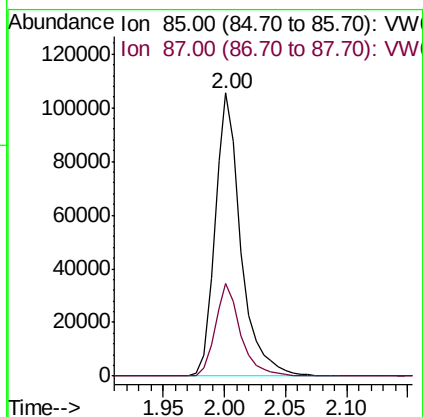
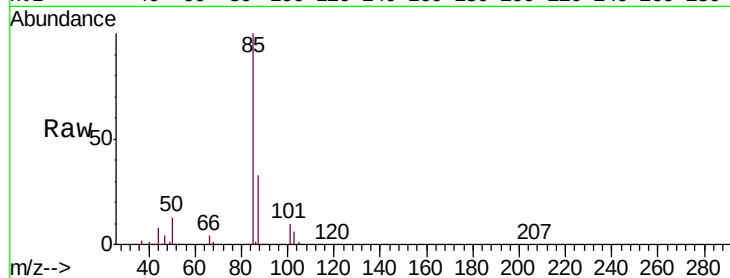
VSTD02590

Tgt Ion: 85 Resp: 154556

Ion Ratio Lower Upper

85 100

87 32.4 22.7 42.3



#3

Chloromethane

Concen: 23.623 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005398.D

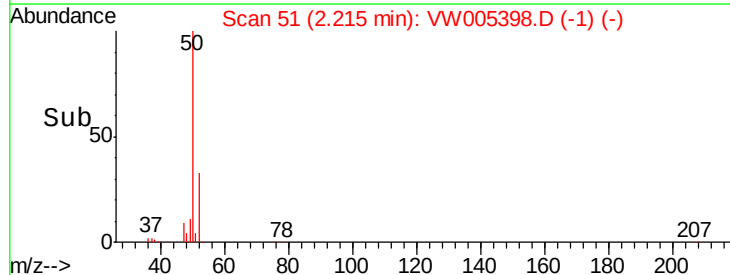
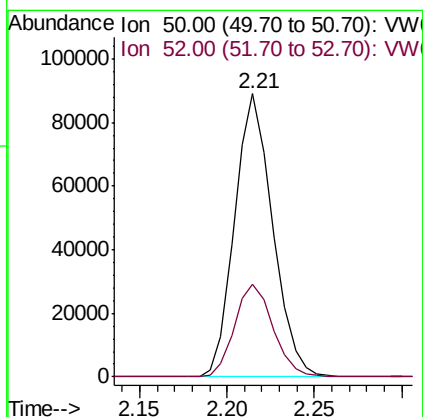
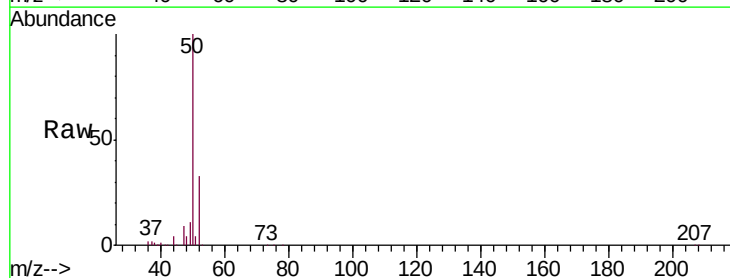
Acq: 14 Sep 2018 19:53

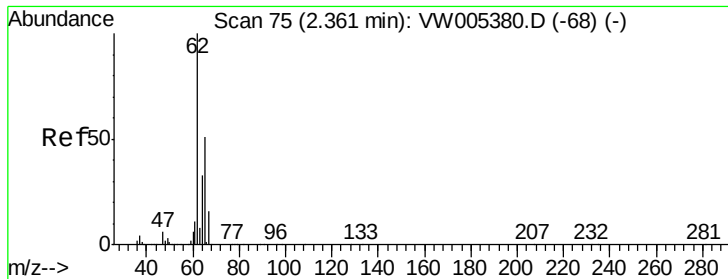
Tgt Ion: 50 Resp: 134560

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5





#5

Vinyl chloride

Concen: 23.845 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

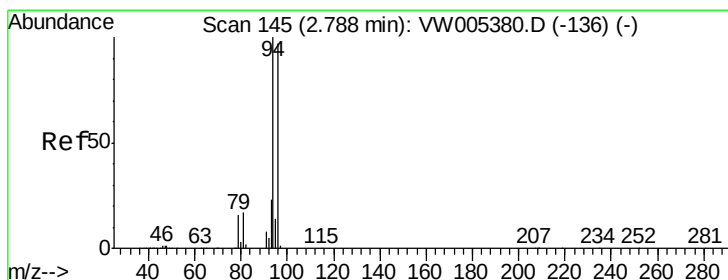
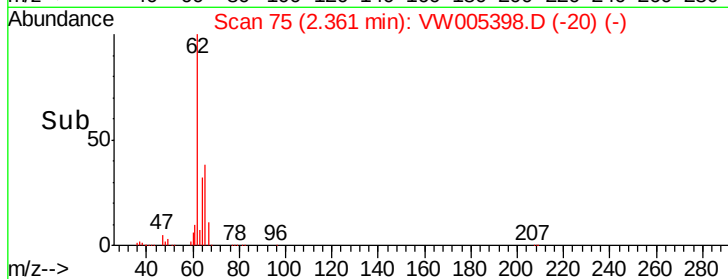
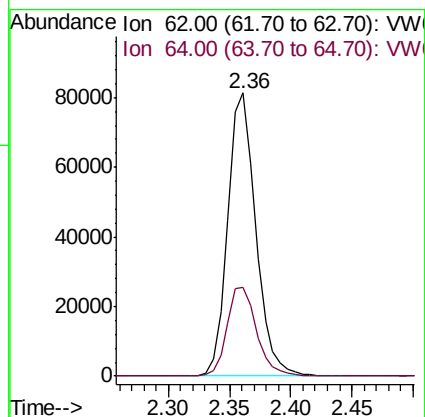
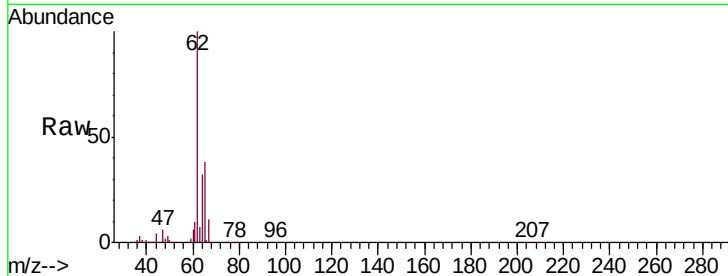
VSTD02590

Tgt Ion: 62 Resp: 129403

Ion Ratio Lower Upper

62 100

64 31.5 22.4 41.6



#6

Bromomethane

Concen: 25.763 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005398.D

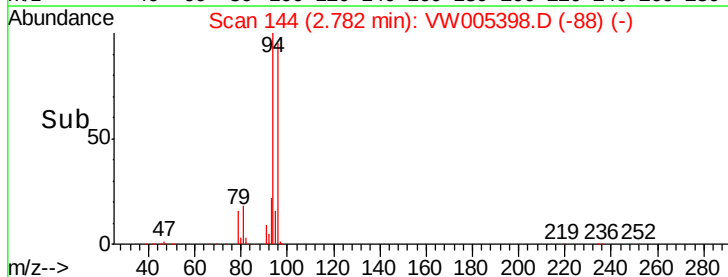
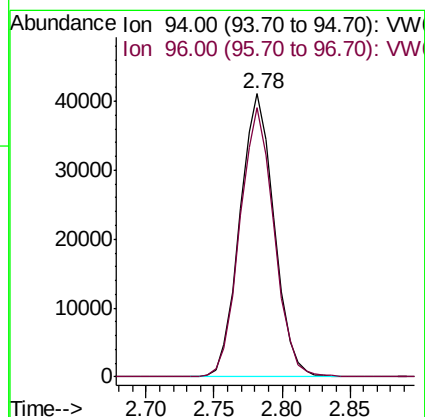
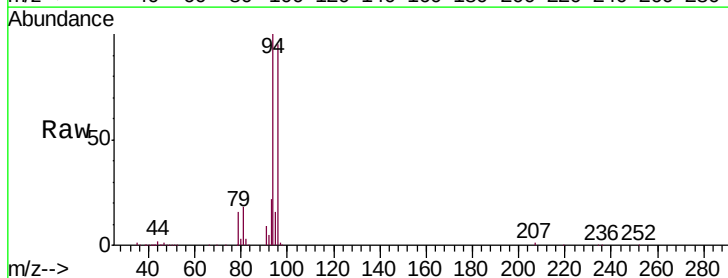
Acq: 14 Sep 2018 19:53

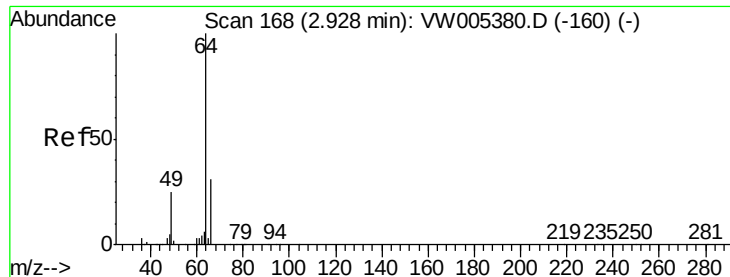
Tgt Ion: 94 Resp: 72435

Ion Ratio Lower Upper

94 100

96 95.2 9.3 176.3

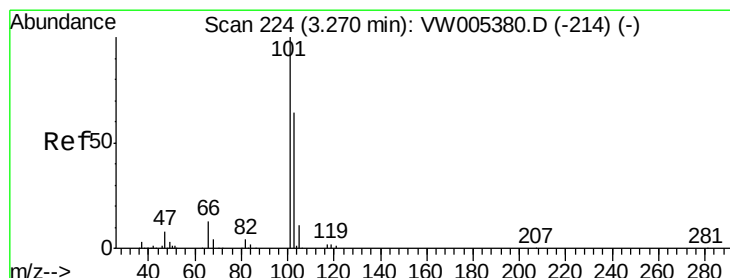
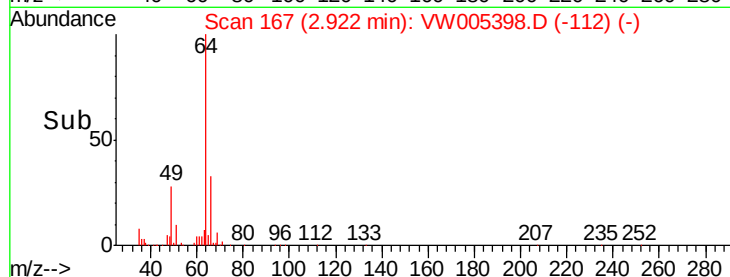
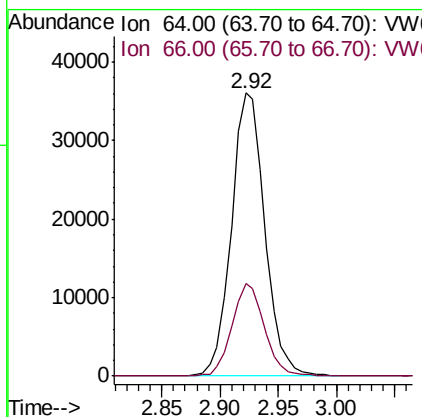
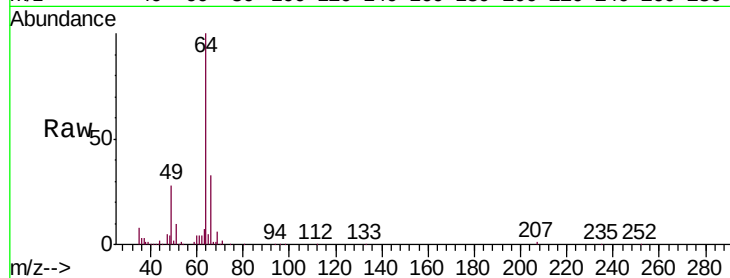




#8
Chloroethane
Concen: 24.903 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.01 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

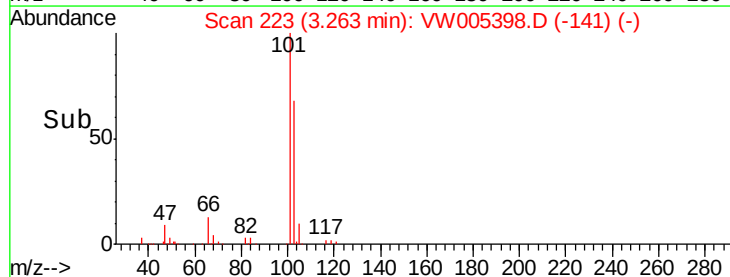
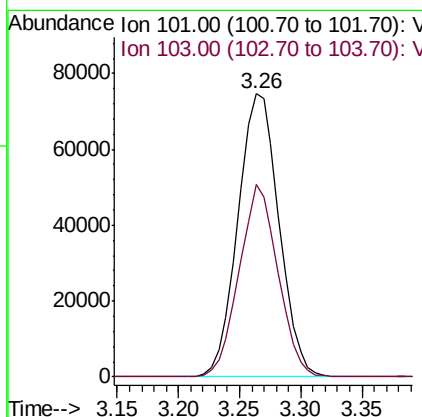
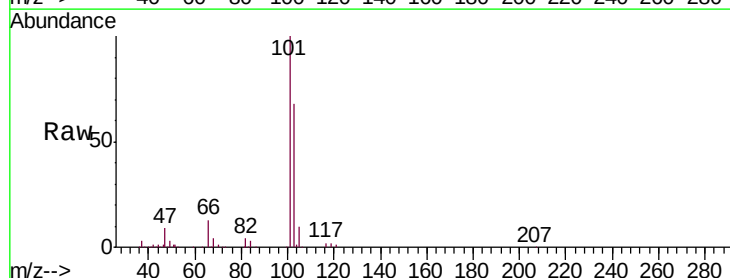
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

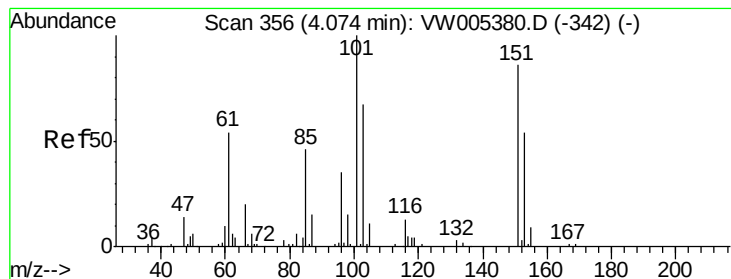
Tgt Ion: 64 Resp: 71781
Ion Ratio Lower Upper
64 100
66 32.6 23.7 43.9



#9
Trichlorofluoromethane
Concen: 24.606 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

Tgt Ion: 101 Resp: 173918
Ion Ratio Lower Upper
101 100
103 64.3 44.9 83.5





#11

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

Concen: 24.741 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

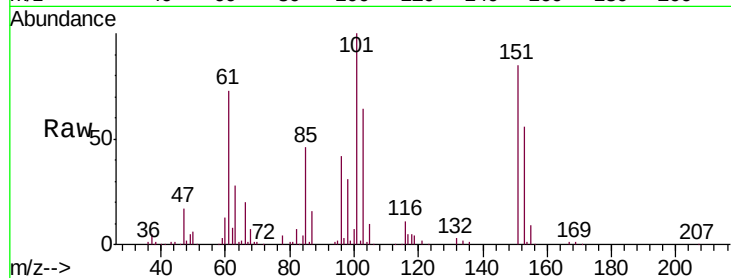
Tgt Ion: 101 Resp: 95531

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.8

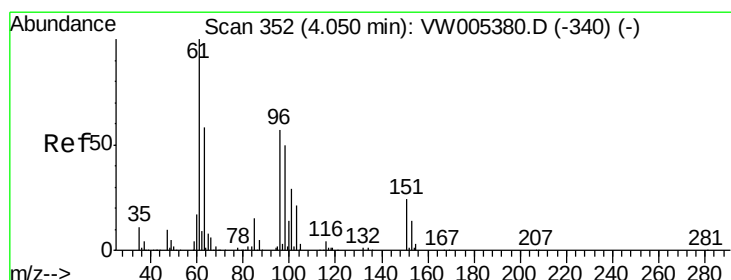
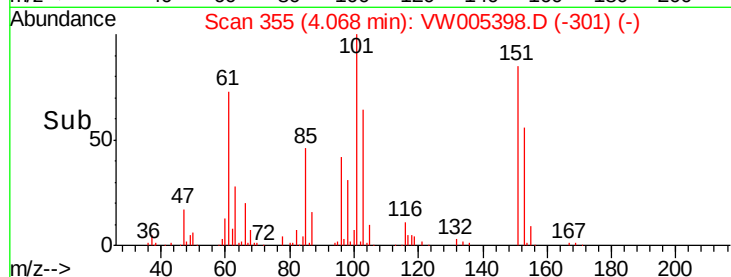
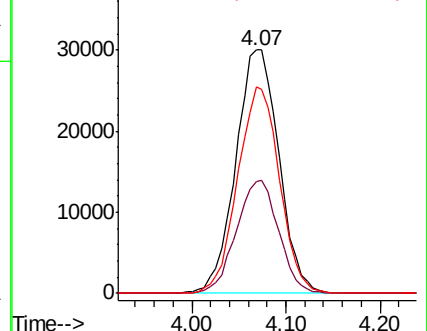
151 82.2 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.361 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

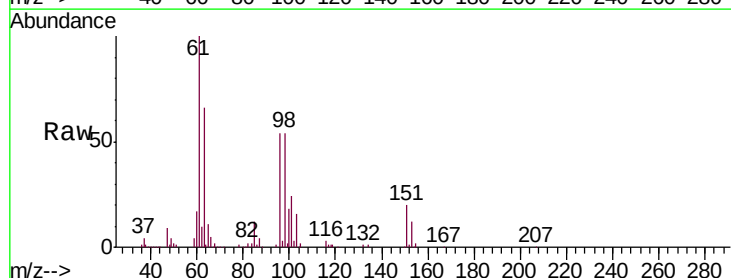
Tgt Ion: 96 Resp: 79555

Ion Ratio Lower Upper

96 100

61 186.3 123.3 229.1

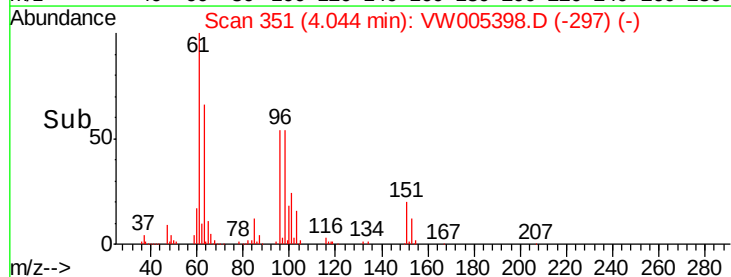
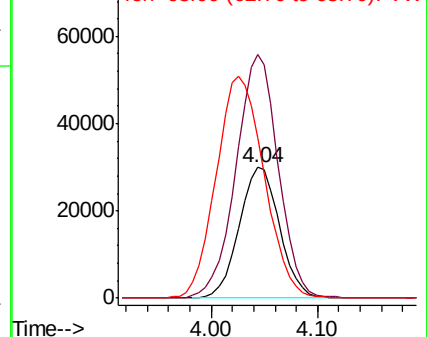
63 123.1 69.4 128.8

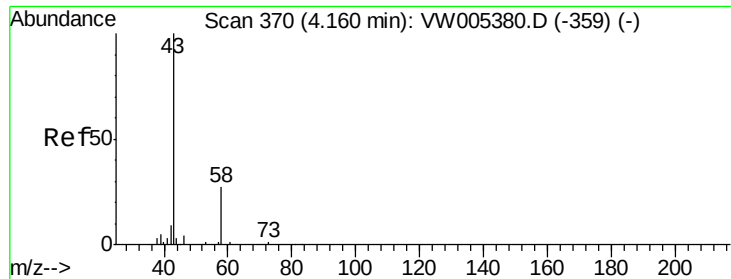


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.006 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

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ClientSampled :

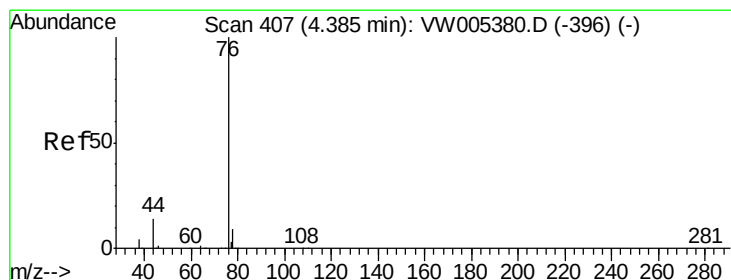
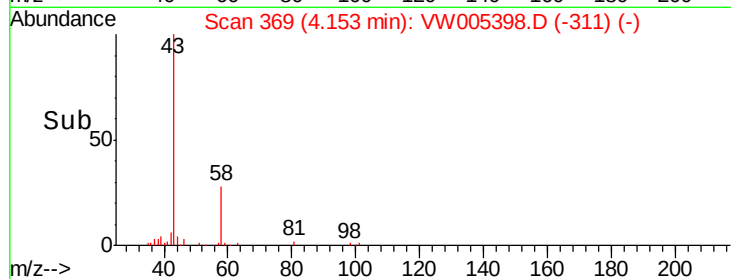
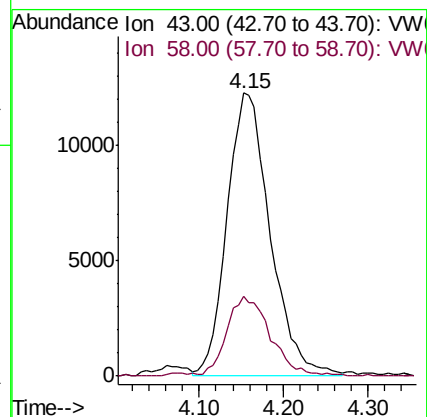
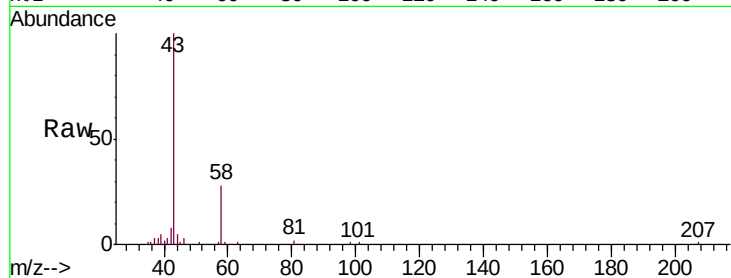
VSTD02590

Tgt Ion: 43 Resp: 42870

Ion Ratio Lower Upper

43 100

58 27.3 0.0 57.6



#14

Carbon disulfide

Concen: 22.643 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005398.D

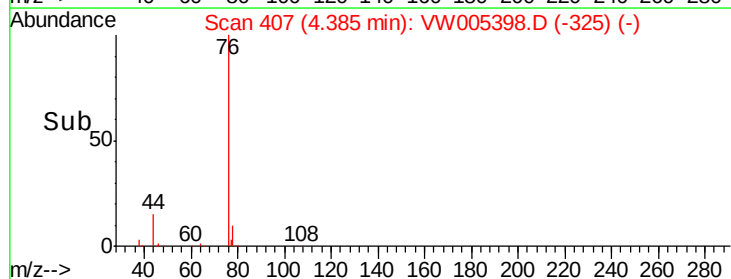
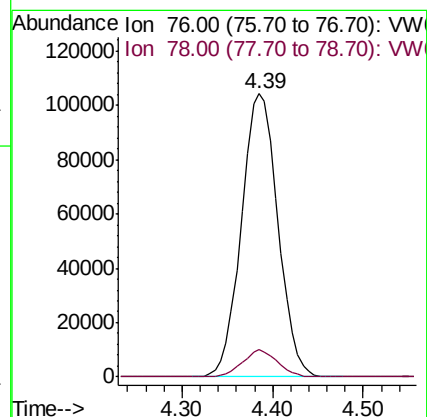
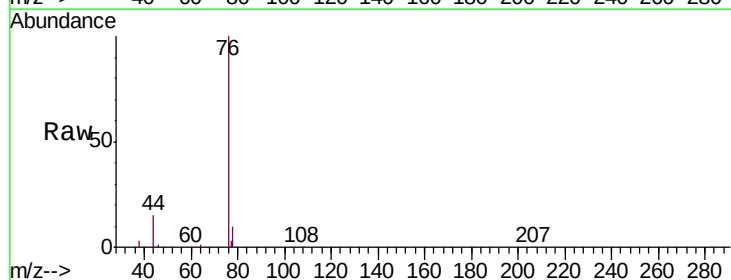
Acq: 14 Sep 2018 19:53

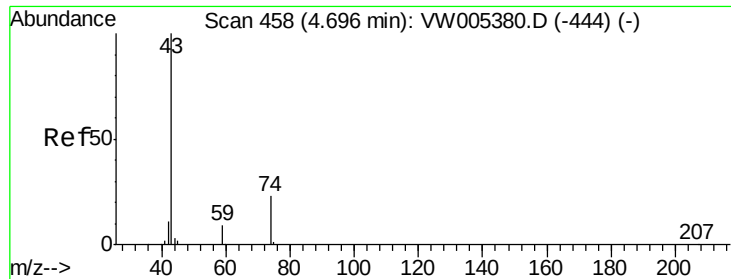
Tgt Ion: 76 Resp: 290305

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

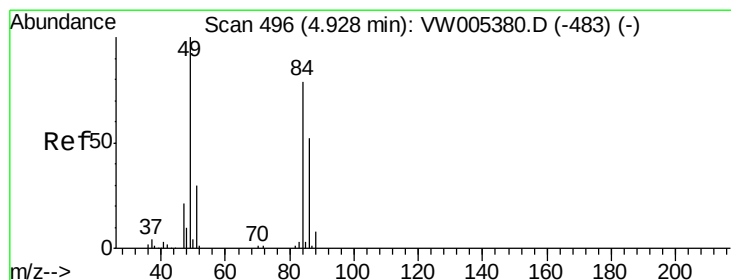
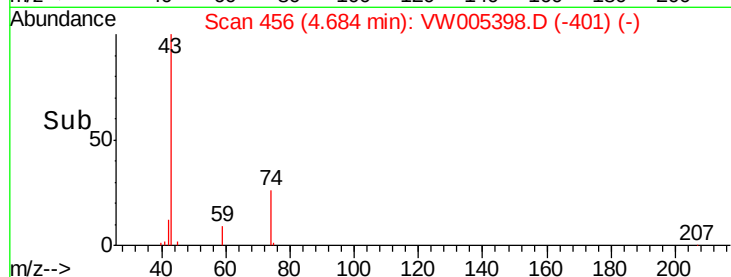
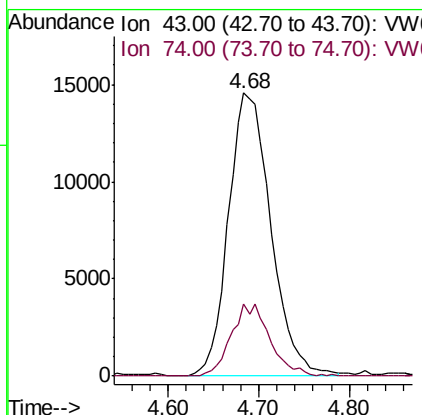
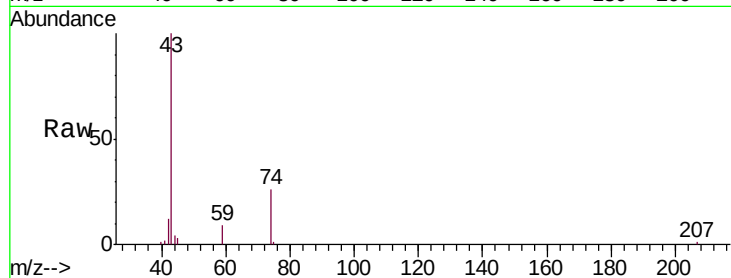




#15
Methyl Acetate
Concen: 17.524 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

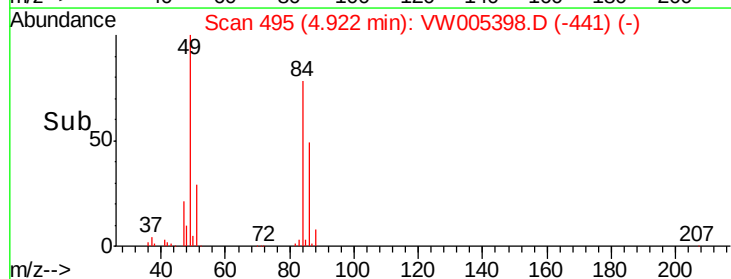
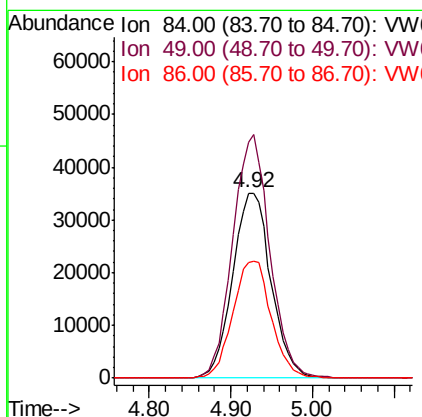
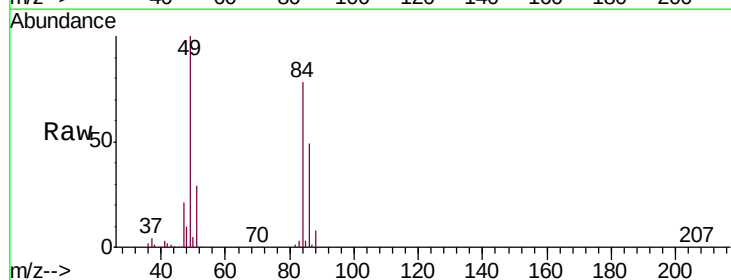
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

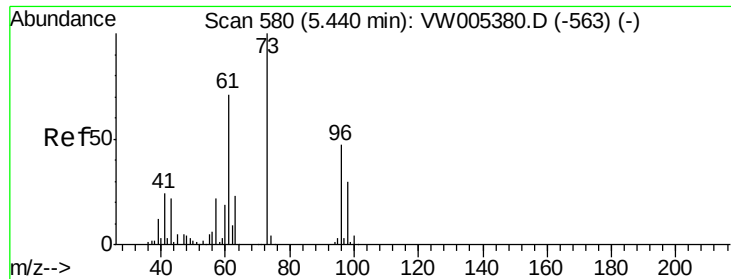
Tgt Ion: 43 Resp: 47347
Ion Ratio Lower Upper
43 100
74 23.1 17.5 26.3



#16
Methylene chloride
Concen: 20.085 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

Tgt Ion: 84 Resp: 114455
Ion Ratio Lower Upper
84 100
49 127.4 90.9 168.7
86 62.7 43.6 81.0

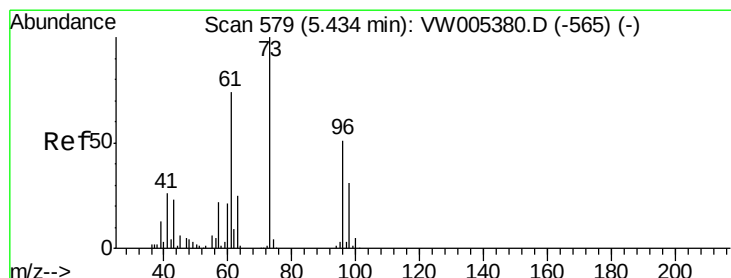
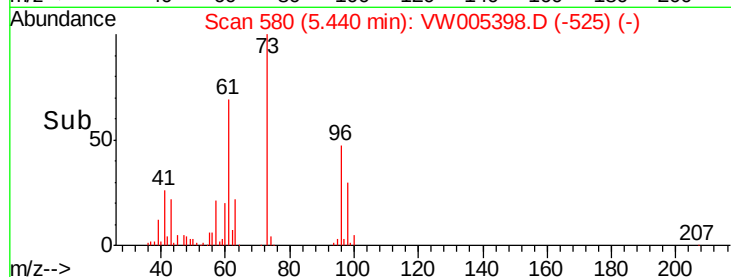
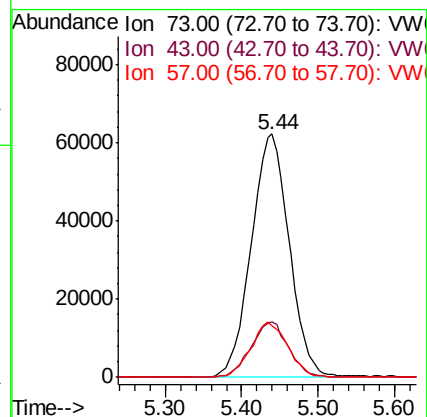
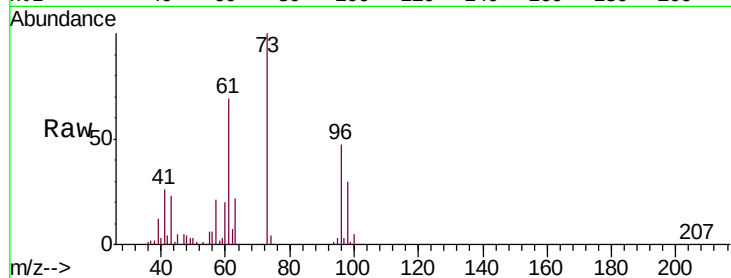




#17
Methyl tert-butyl Ether
Concen: 23.708 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

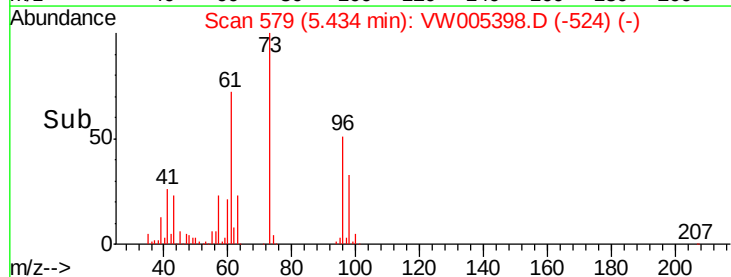
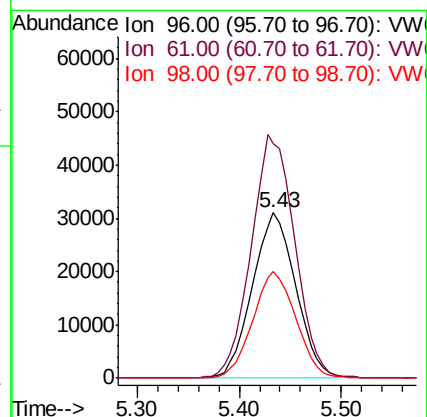
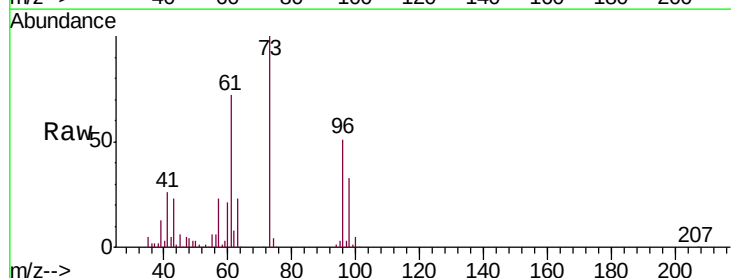
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

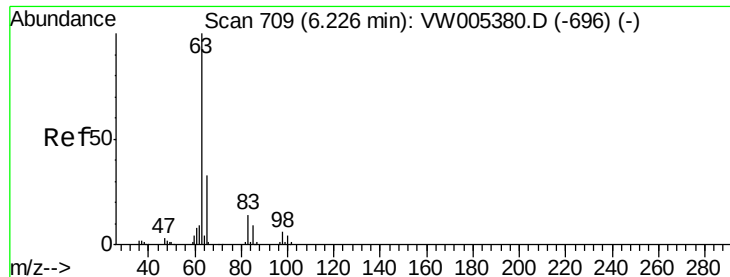
Tgt Ion: 73 Resp: 214924
Ion Ratio Lower Upper
73 100
43 22.5 17.7 26.5
57 22.2 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 25.128 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

Tgt Ion: 96 Resp: 91631
Ion Ratio Lower Upper
96 100
61 142.5 103.0 191.2
98 64.6 47.2 87.6

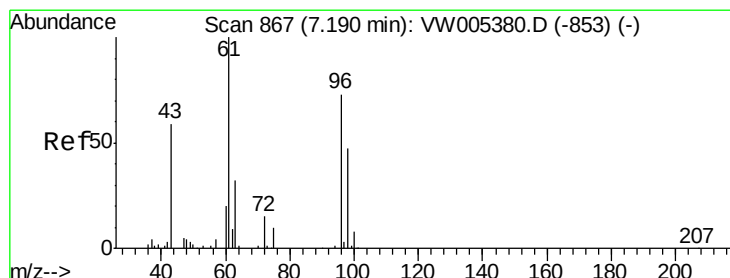
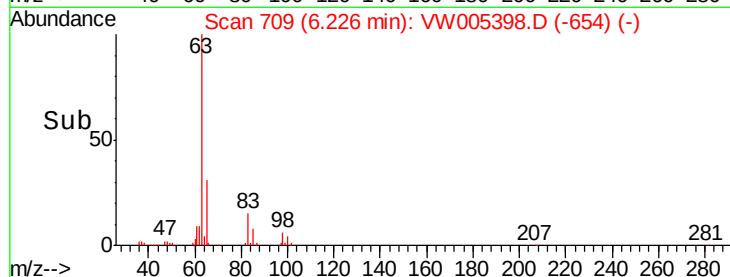
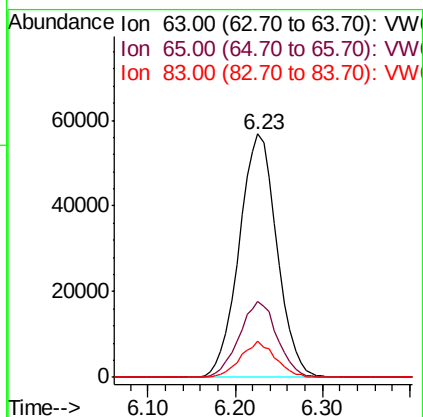
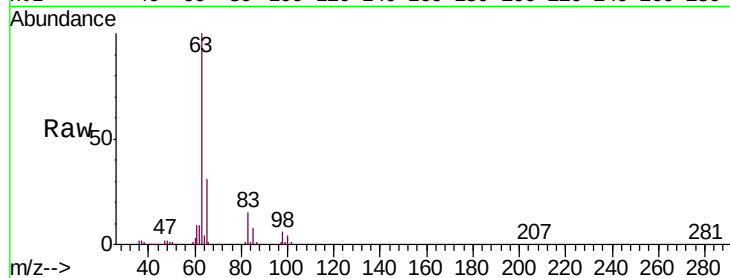




#19
 1,1-Dichloroethane
 Concen: 25.533 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

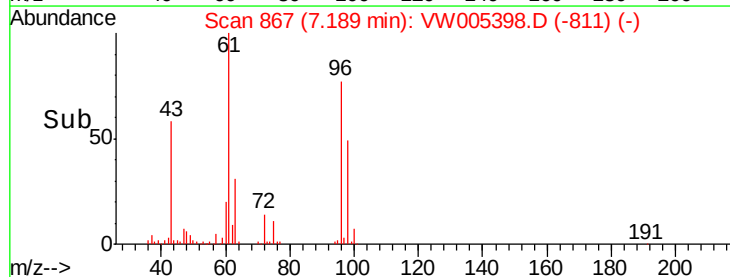
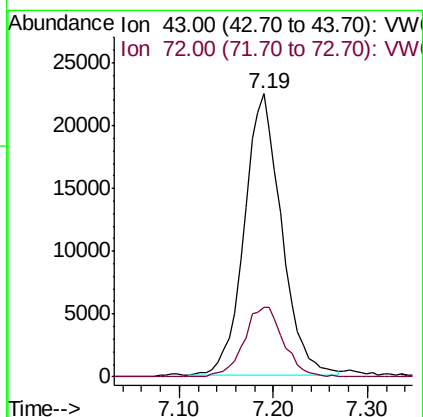
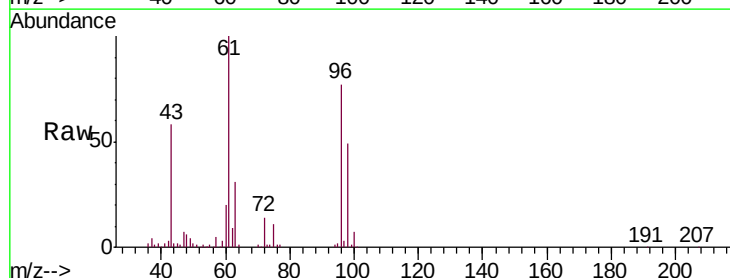
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

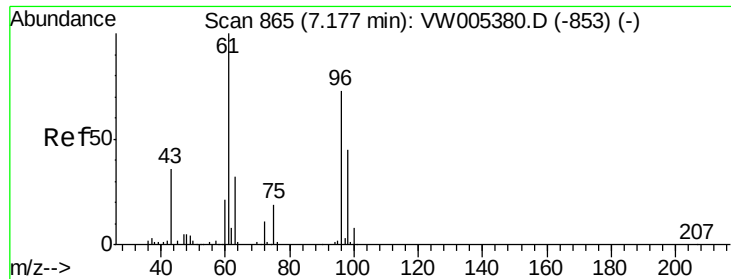
Tgt Ion: 63 Resp: 170139
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.9 42.5
 83 15.1 10.4 19.2



#21
 2-Butanone
 Concen: 32.791 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Tgt Ion: 43 Resp: 61542
 Ion Ratio Lower Upper
 43 100
 72 26.4 11.8 35.4



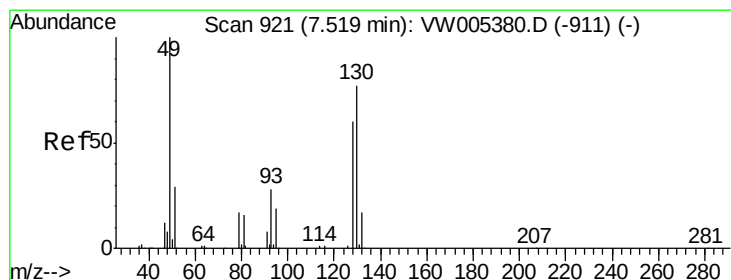
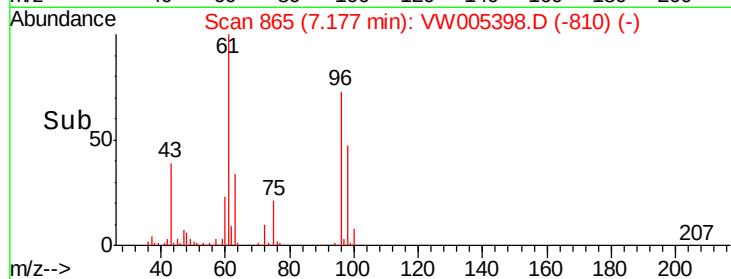
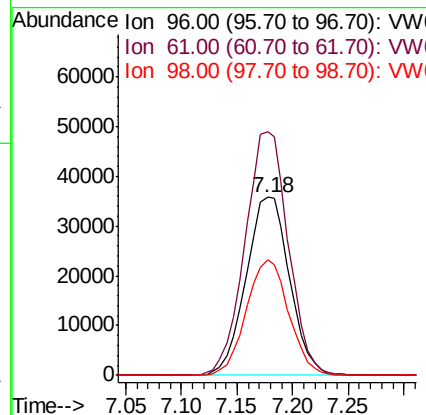
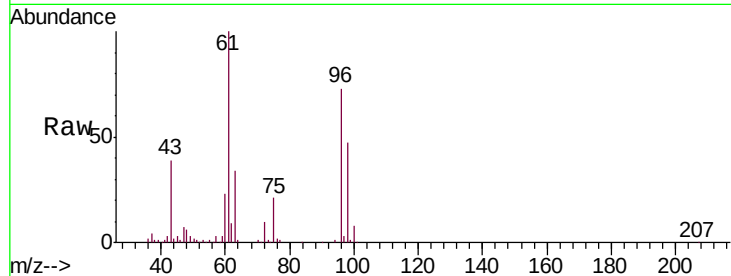


#22

cis-1,2-Dichloroethene
 Concen: 25.005 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

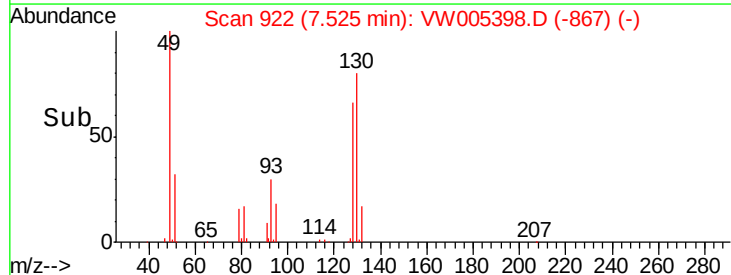
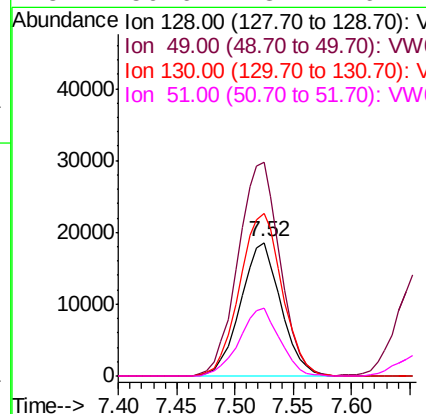
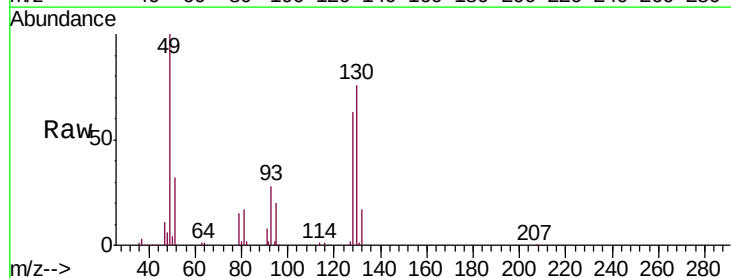
Tgt Ion: 96 Resp: 97317
 Ion Ratio Lower Upper
 96 100
 61 136.8 93.1 172.9
 98 64.6 42.4 78.6

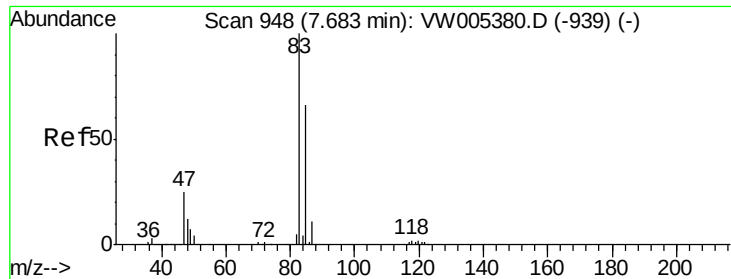


#23

Bromochloromethane
 Concen: 24.609 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Tgt Ion: 128 Resp: 44632
 Ion Ratio Lower Upper
 128 100
 49 159.7 118.2 219.6
 130 121.2 92.8 172.4
 51 50.6 43.1 64.7

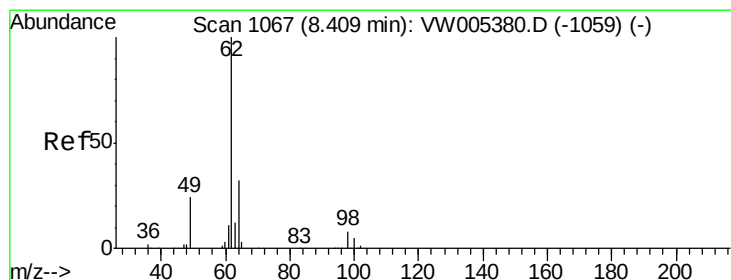
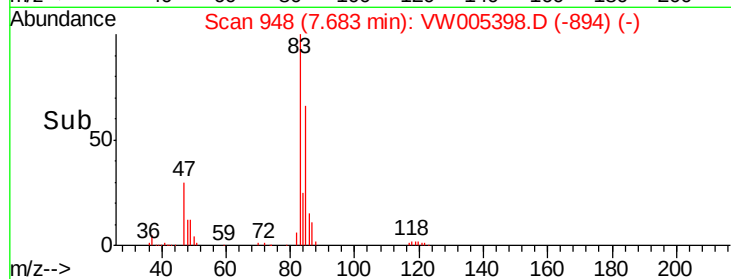
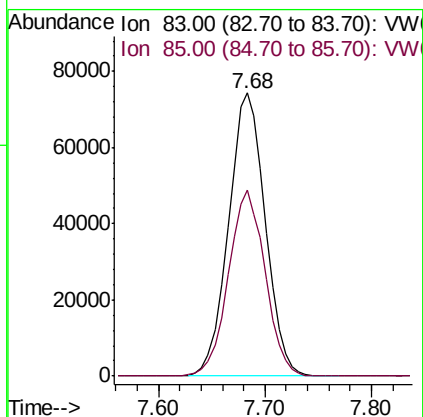
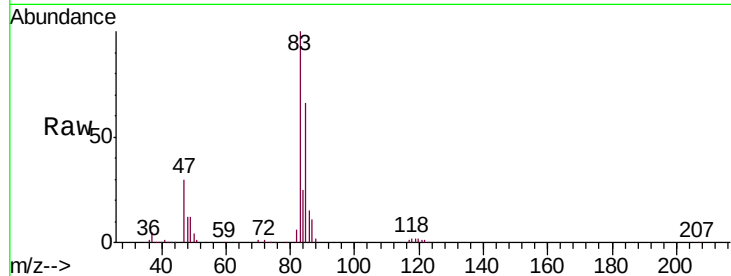




#25
Chloroform
Concen: 25.593 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

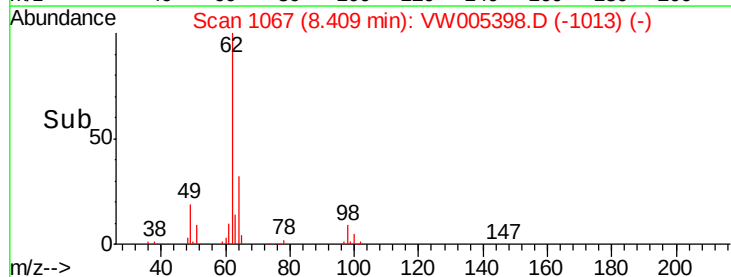
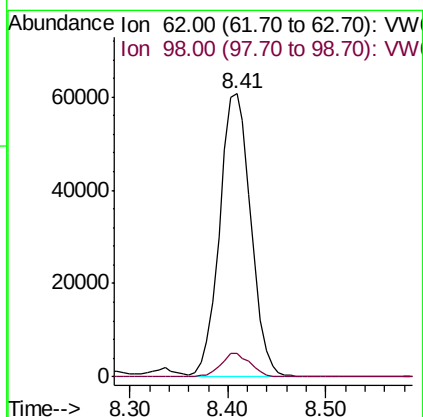
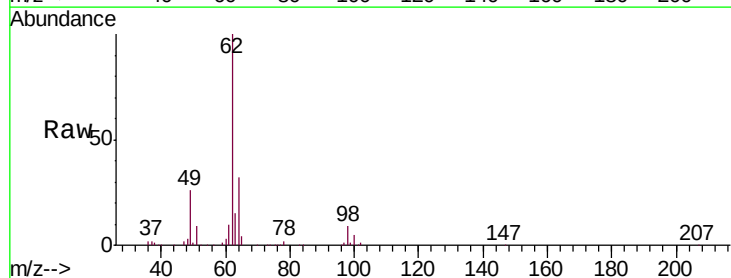
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

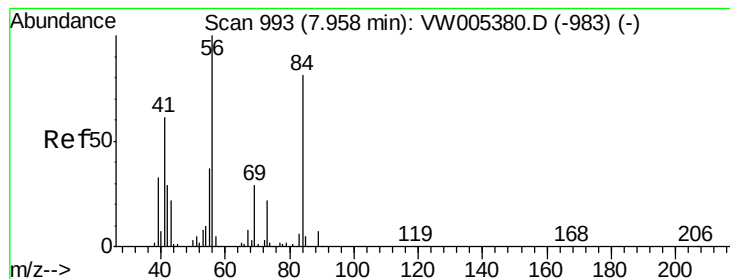
Tgt Ion: 83 Resp: 179338
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.723 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005398.D
Acq: 14 Sep 2018 19:53

Tgt Ion: 62 Resp: 134482
Ion Ratio Lower Upper
62 100
98 8.5 6.0 9.0





#30

Cyclohexane

Concen: 24.432 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

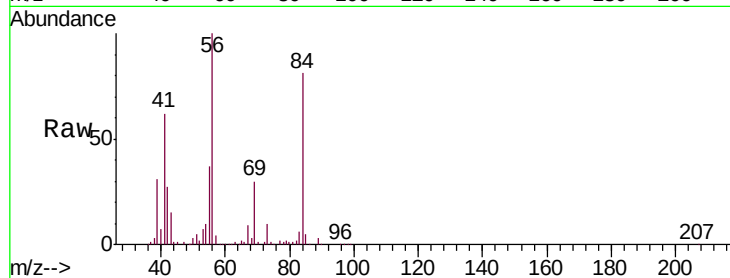
Tgt Ion: 56 Resp: 162312

Ion Ratio Lower Upper

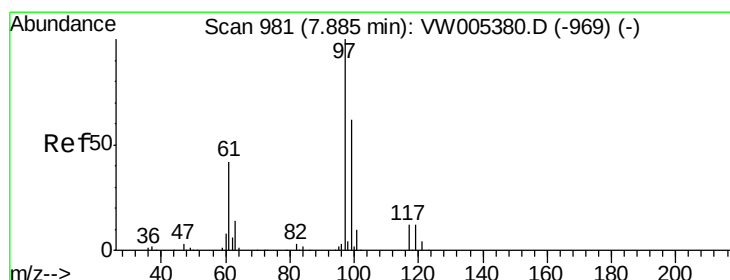
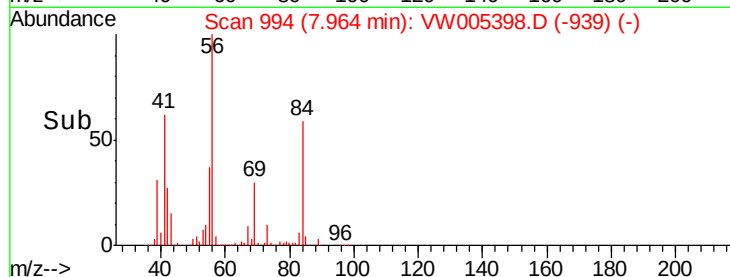
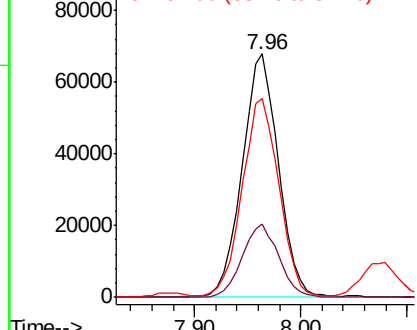
56 100

69 30.4 24.7 37.1

84 83.3 67.4 101.0



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



#31

1,1,1-Trichloroethane

Concen: 25.141 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

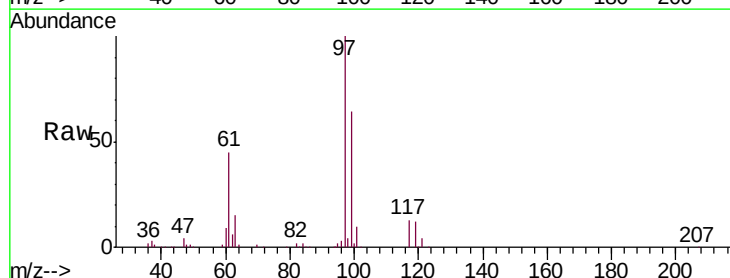
Tgt Ion: 97 Resp: 168185

Ion Ratio Lower Upper

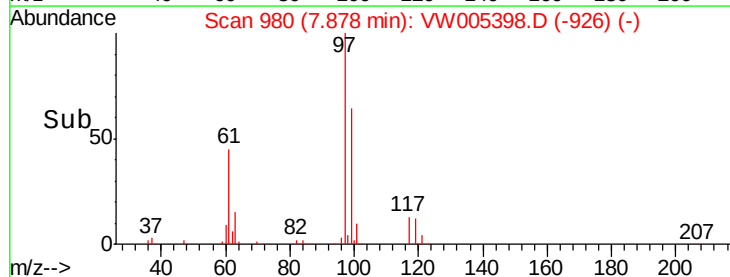
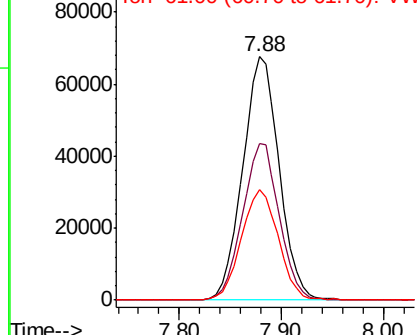
97 100

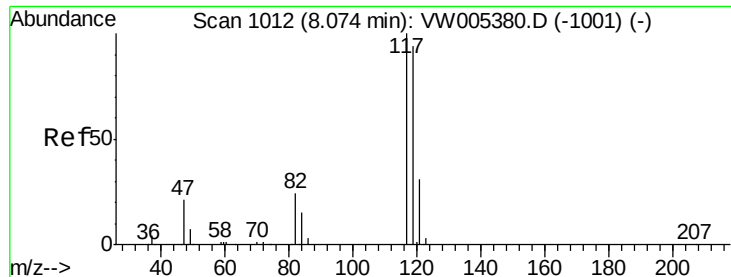
99 64.6 51.4 77.0

61 45.9 37.0 55.6



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





#32

Carbon tetrachloride

Concen: 24.661 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

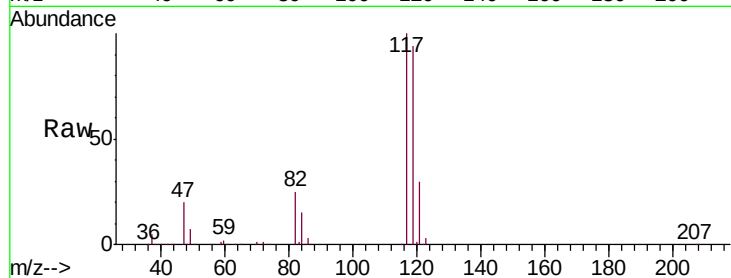
VSTD02590

Tgt Ion:117 Resp: 153049

Ion Ratio Lower Upper

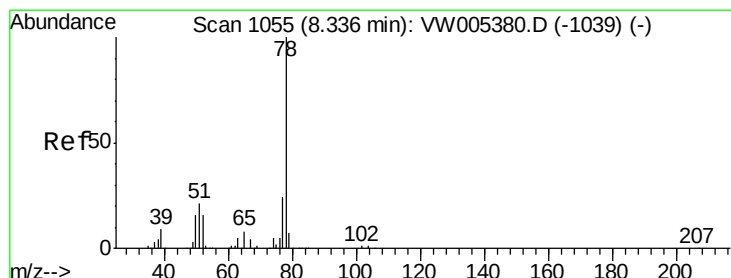
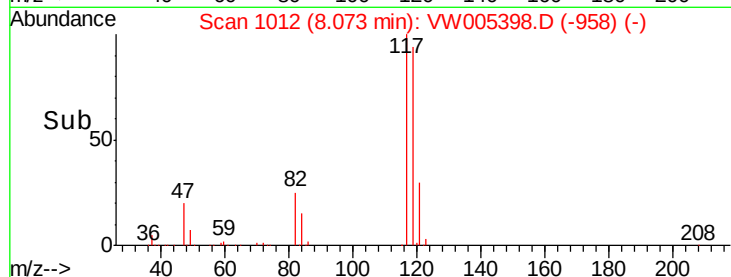
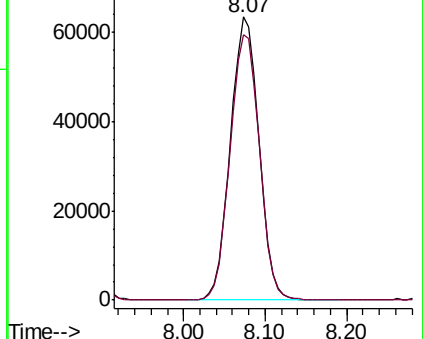
117 100

119 96.5 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.152 ug/L

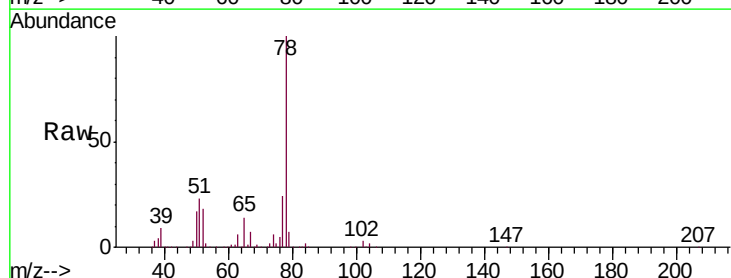
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

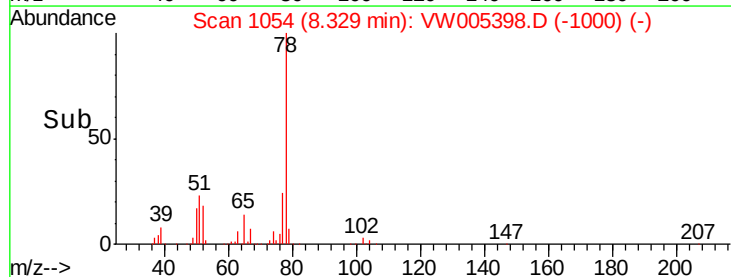
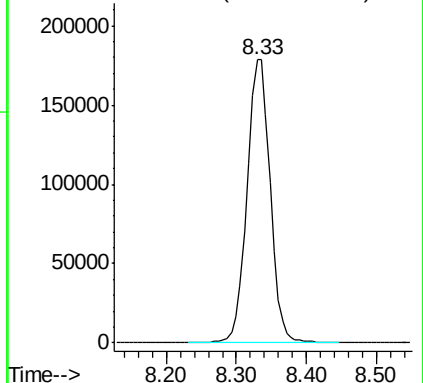
Lab File: VW005398.D

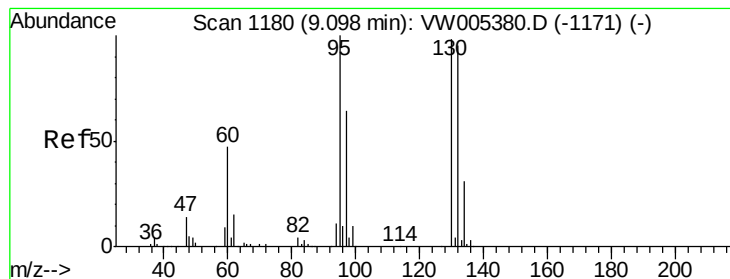
Acq: 14 Sep 2018 19:53

Tgt Ion: 78 Resp: 412295



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.325 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 95 Resp: 105830

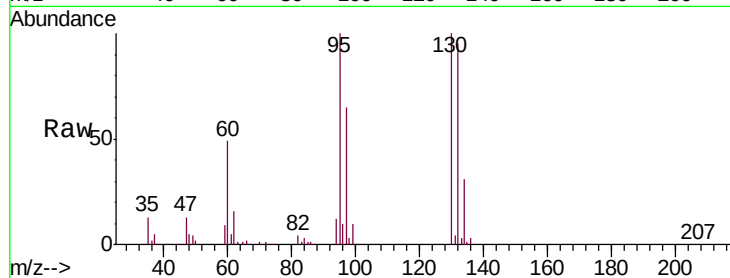
Ion Ratio Lower Upper

95 100

97 64.0 45.0 83.6

132 96.1 67.2 124.8

130 99.8 68.8 127.8



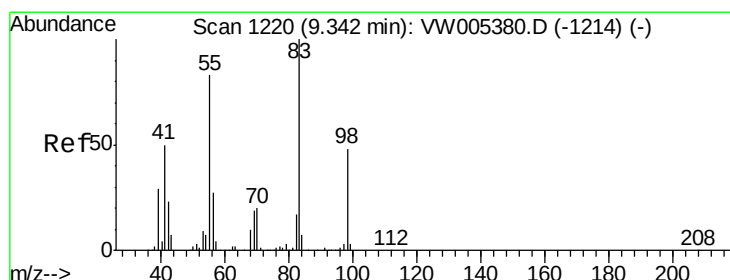
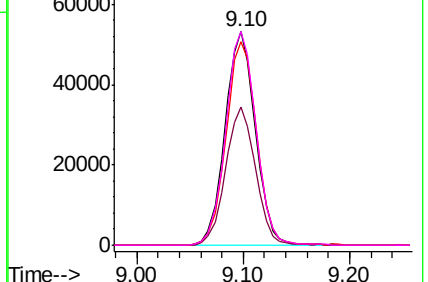
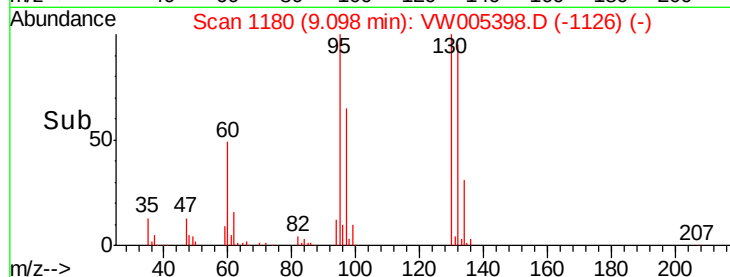
Abundance

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: 23.688 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

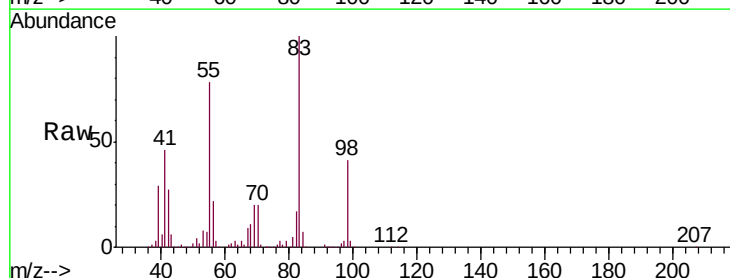
Tgt Ion: 83 Resp: 178880

Ion Ratio Lower Upper

83 100

55 82.1 66.4 99.6

98 45.7 37.3 55.9

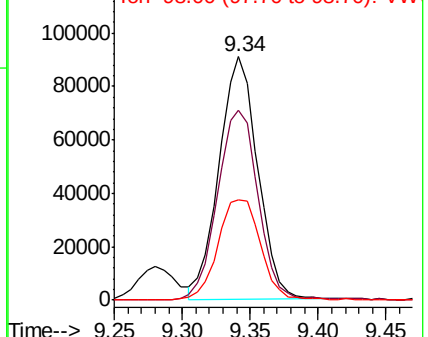
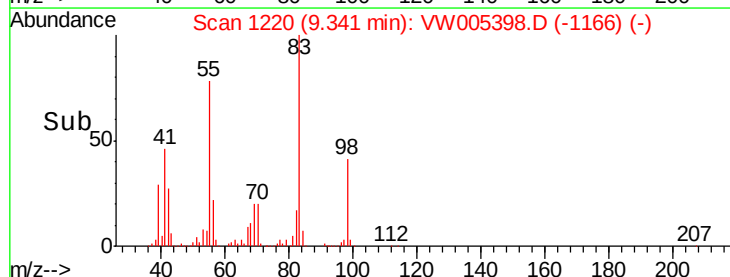


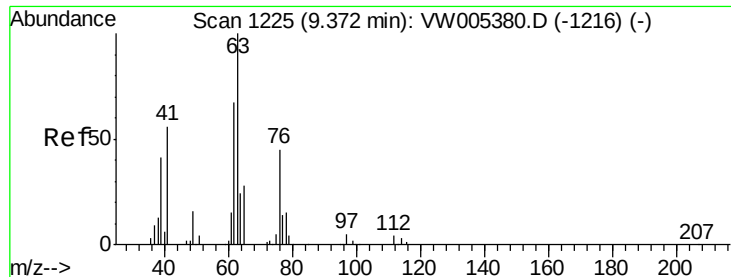
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.894 ug/L

RT: 9.38 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampled :

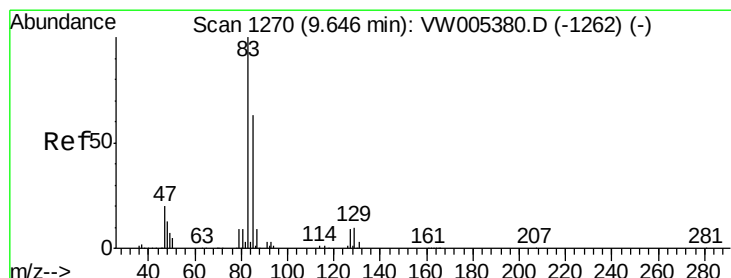
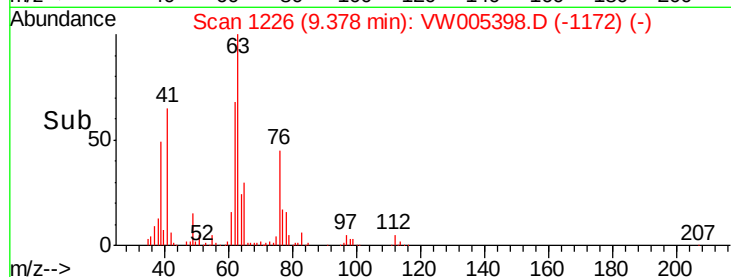
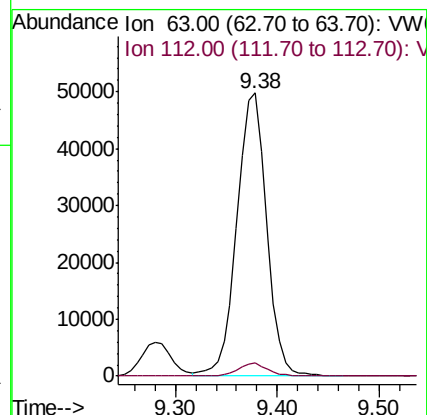
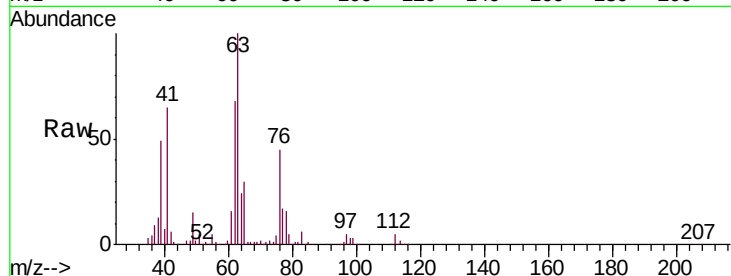
VSTD02590

Tgt Ion: 63 Resp: 100738

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#41

Bromodichloromethane

Concen: 24.701 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

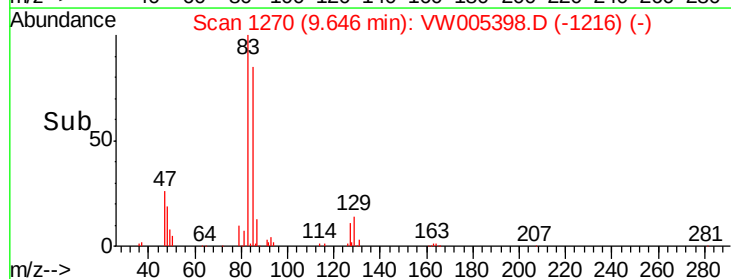
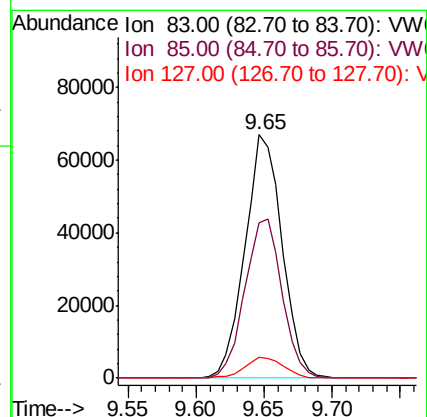
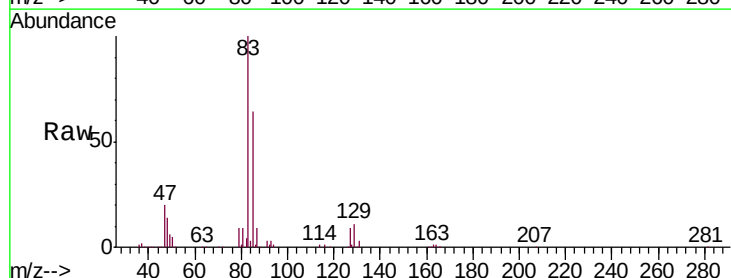
Tgt Ion: 83 Resp: 128132

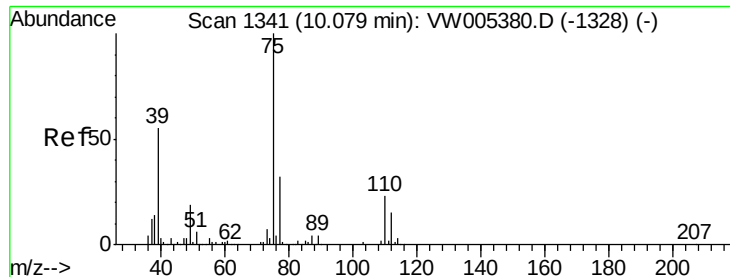
Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.6

127 8.6 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 25.542 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

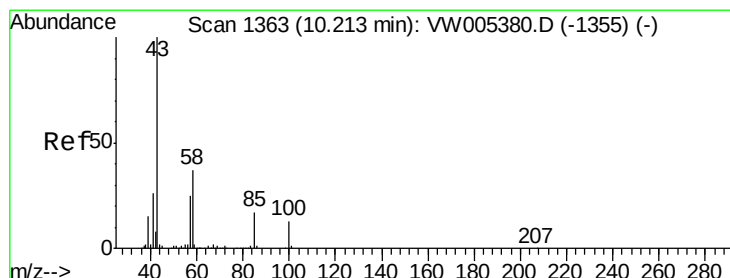
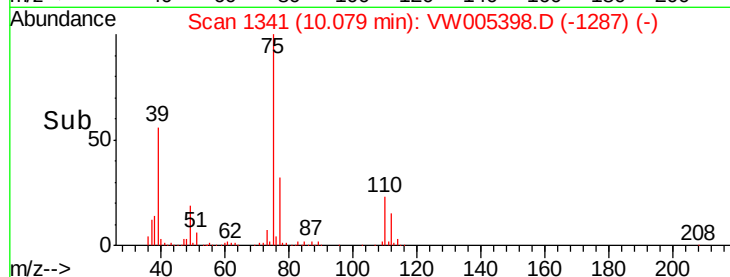
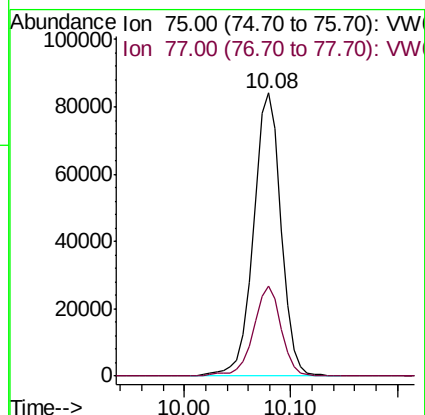
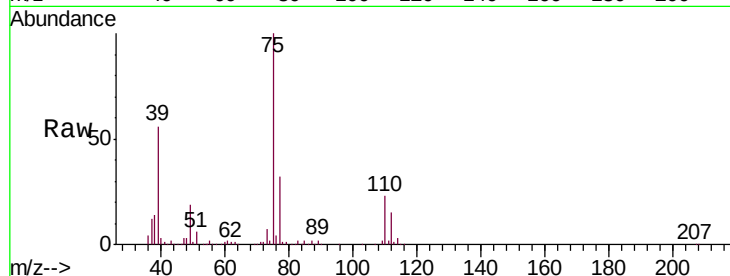
VSTD02590

Tgt Ion: 75 Resp: 152669

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 36.144 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

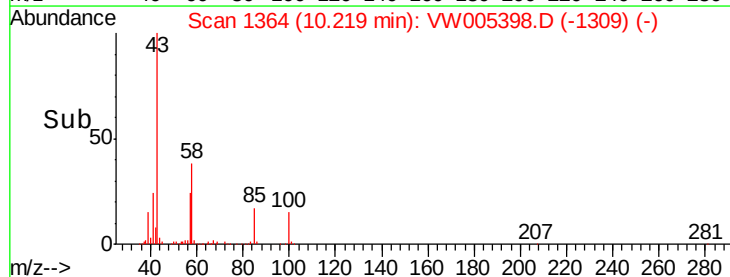
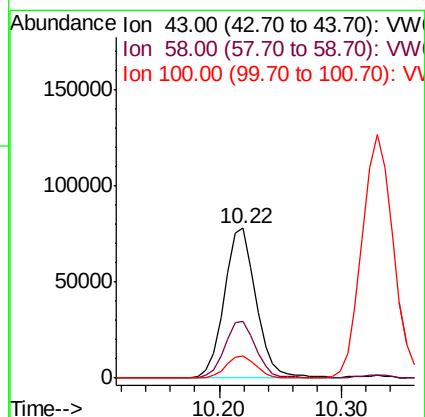
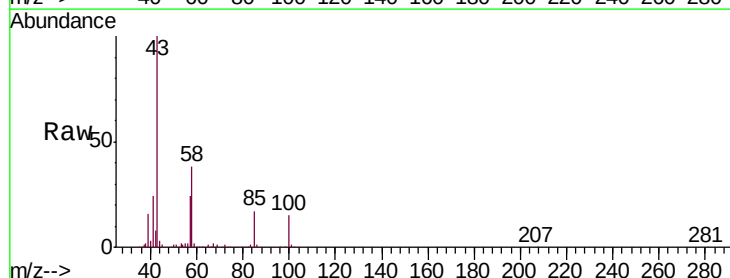
Tgt Ion: 43 Resp: 139839

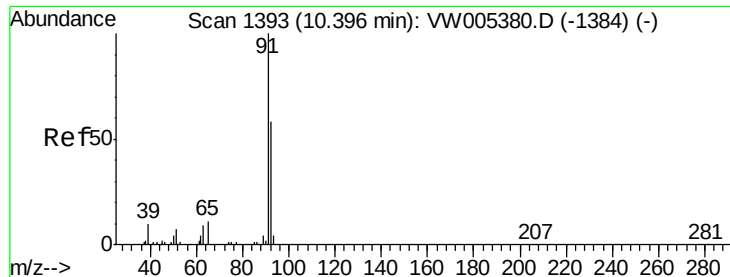
Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8

100 14.3 11.4 17.0





#44

Toluene

Concen: 25.508 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

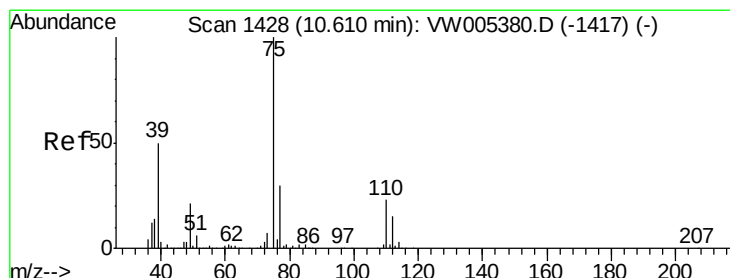
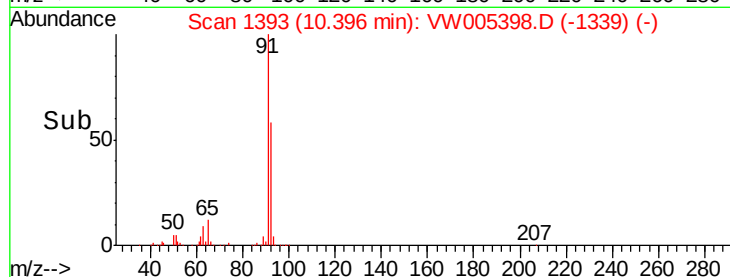
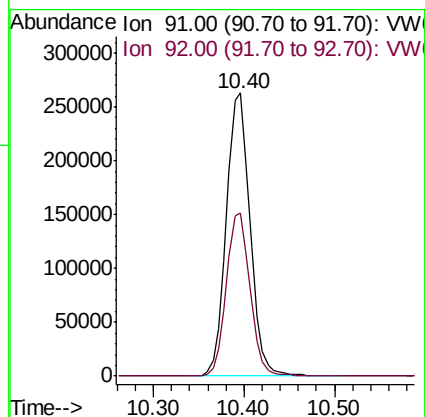
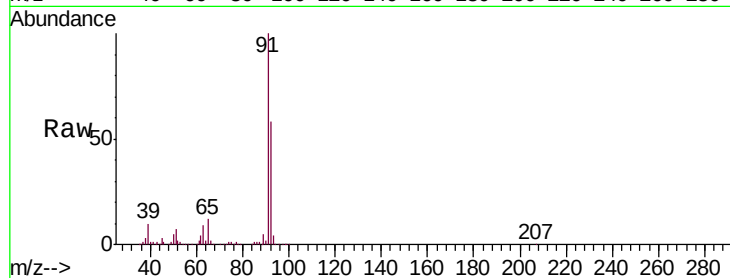
VSTD02590

Tgt Ion: 91 Resp: 479085

Ion Ratio Lower Upper

91 100

92 57.7 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.030 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005398.D

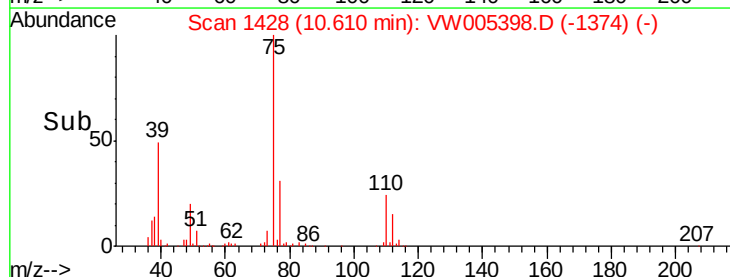
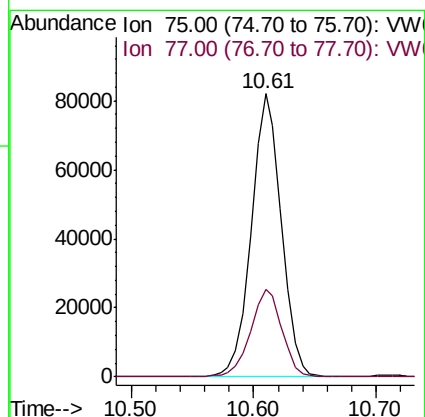
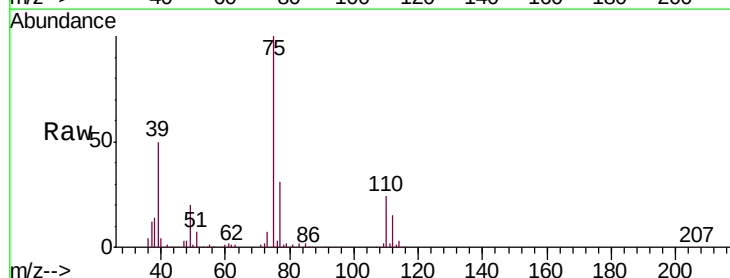
Acq: 14 Sep 2018 19:53

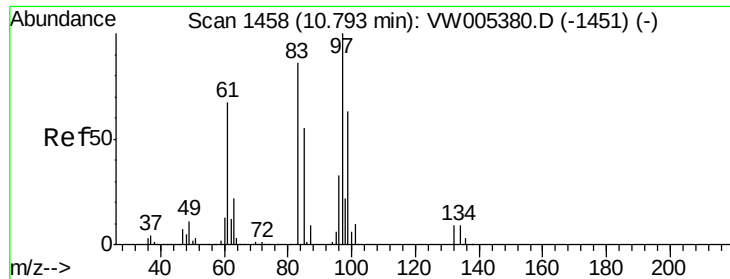
Tgt Ion: 75 Resp: 140172

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 23.924 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 97 Resp: 75993

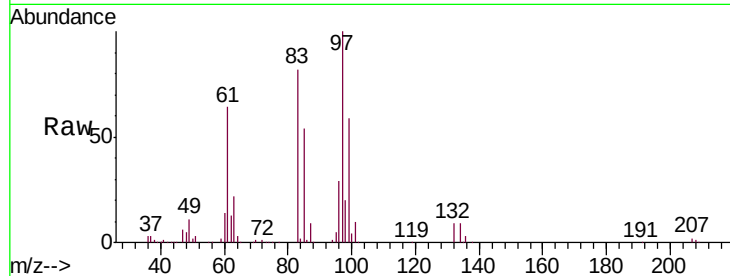
Ion	Ratio	Lower	Upper
97	100		
83	82.3	60.2	111.8
85	54.4	37.9	70.5
99	58.6	44.5	82.7

97 100

83 82.3 60.2 111.8

85 54.4 37.9 70.5

99 58.6 44.5 82.7



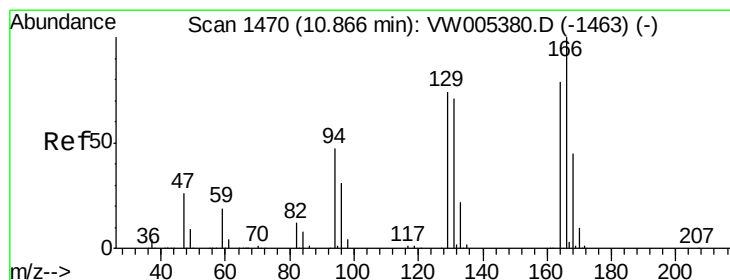
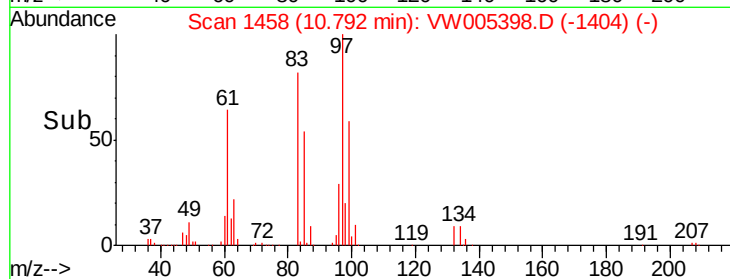
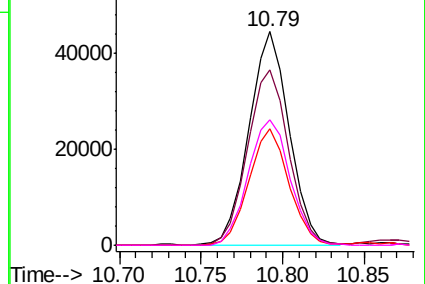
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.145 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Tgt Ion: 164 Resp: 95112

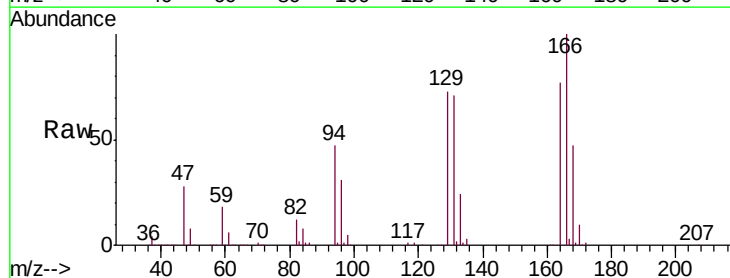
Ion	Ratio	Lower	Upper
164	100		
129	94.5	66.2	123.0
131	91.8	63.6	118.0
166	129.4	88.9	165.1

164 100

129 94.5 66.2 123.0

131 91.8 63.6 118.0

166 129.4 88.9 165.1



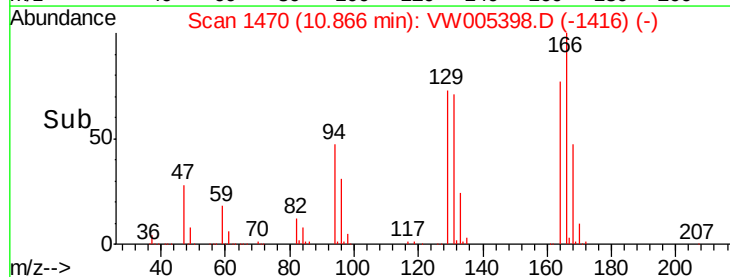
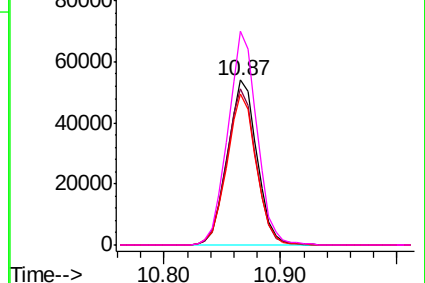
Abundance

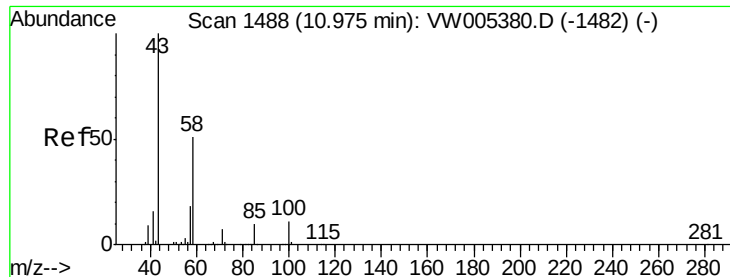
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 38.173 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 43 Resp: 108575

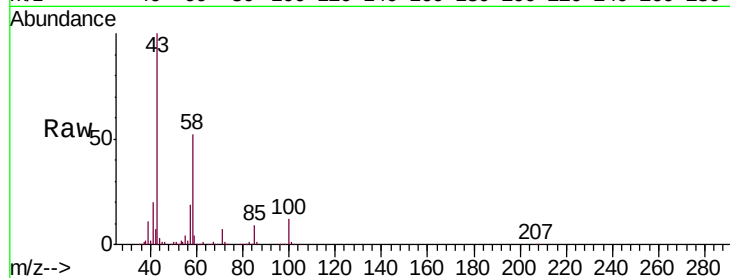
Ion Ratio Lower Upper

43 100

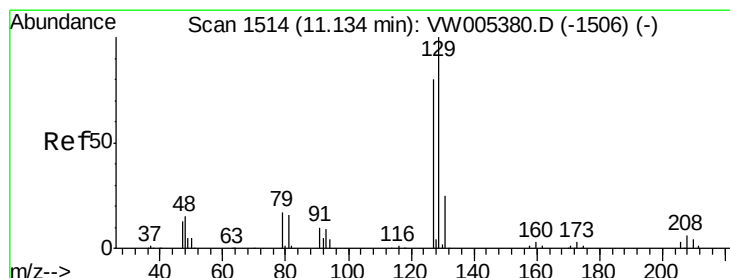
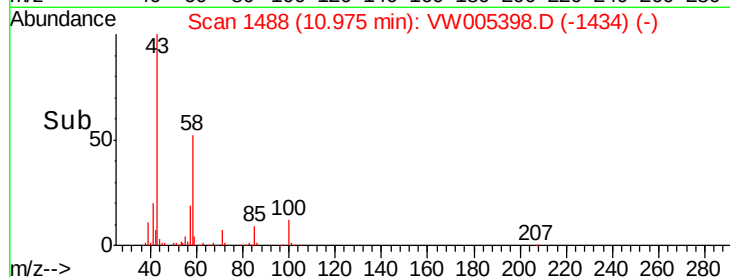
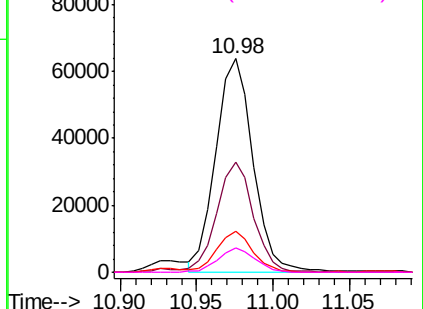
58 50.2 41.6 62.4

57 18.4 15.0 22.6

100 11.3 8.6 12.8



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: 24.637 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005398.D

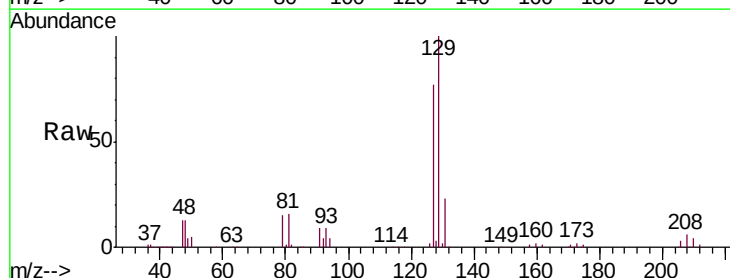
Acq: 14 Sep 2018 19:53

Tgt Ion: 129 Resp: 93487

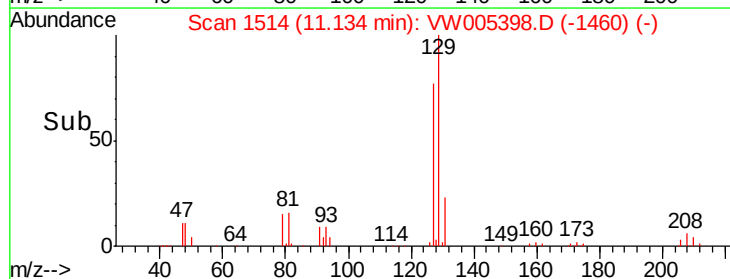
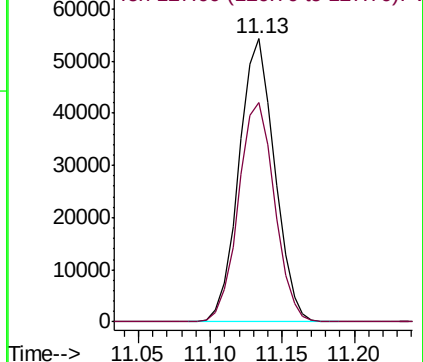
Ion Ratio Lower Upper

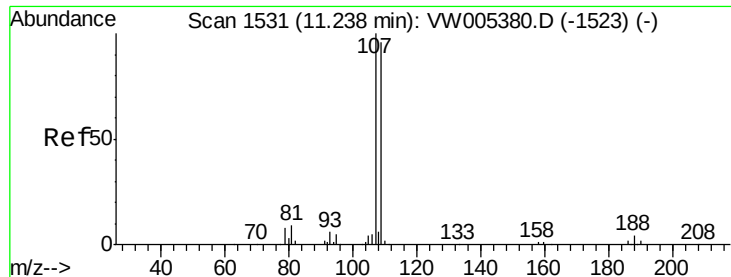
129 100

127 77.3 53.1 98.5



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

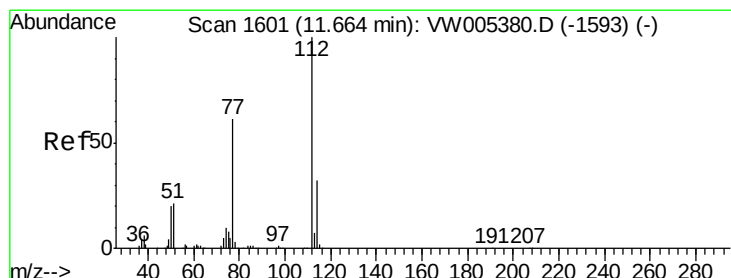
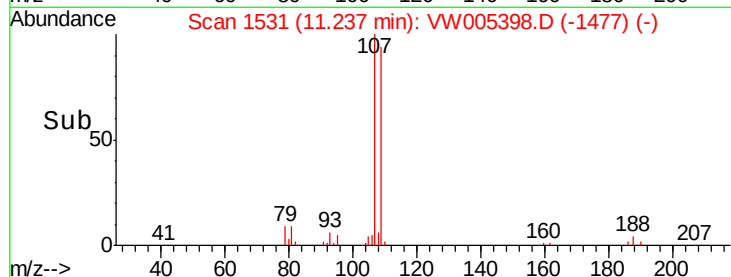
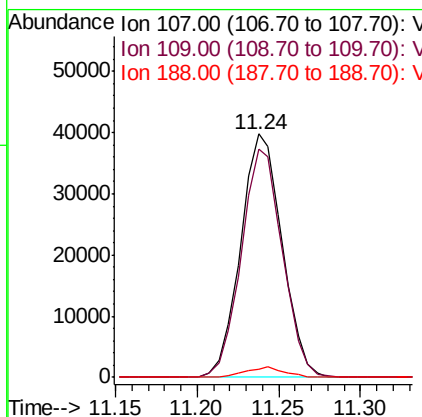
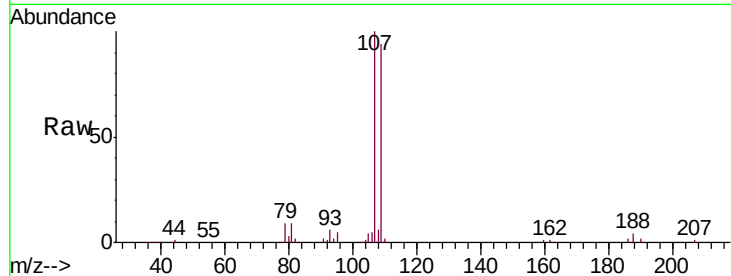




#51
 1,2-Dibromoethane
 Concen: 22.567 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

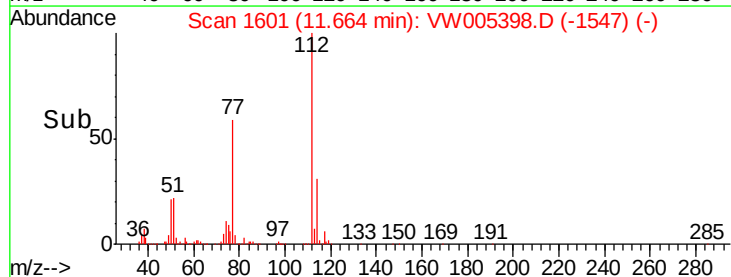
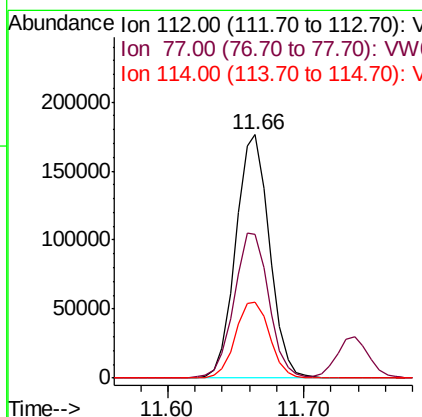
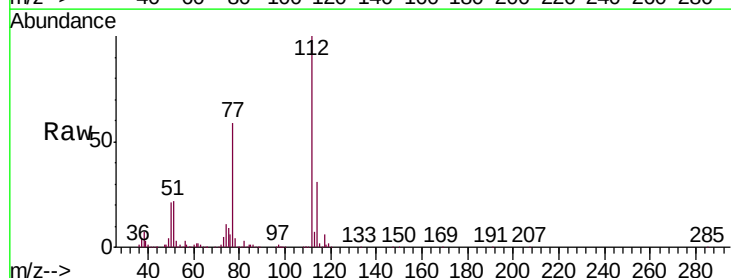
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

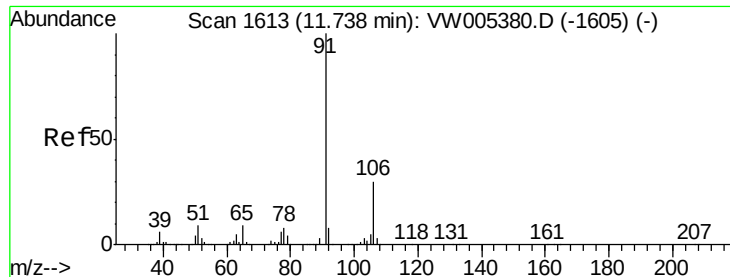
Tgt Ion:107 Resp: 70359
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.9 120.5
 188 3.5 3.1 4.7



#52
 Chlorobenzene
 Concen: 24.875 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Tgt Ion:112 Resp: 304867
 Ion Ratio Lower Upper
 112 100
 77 59.3 45.1 67.7
 114 31.3 22.5 41.7





#53

Ethylbenzene

Concen: 24.996 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

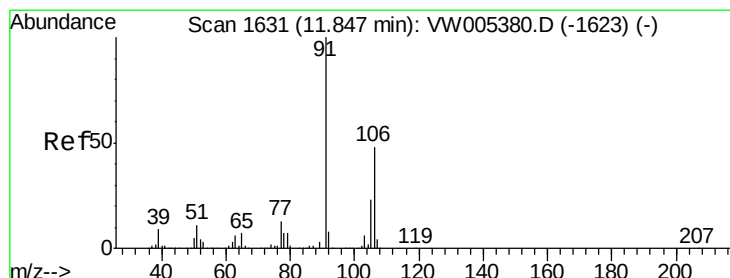
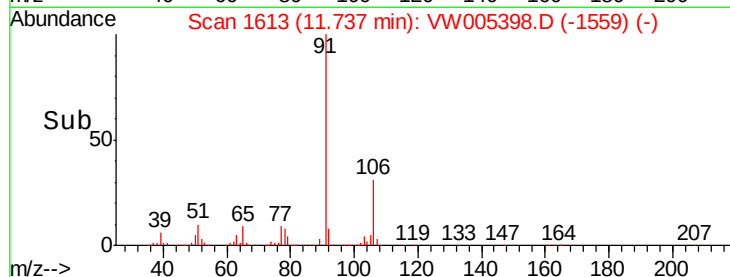
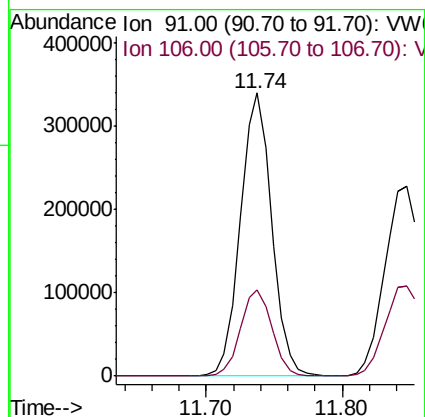
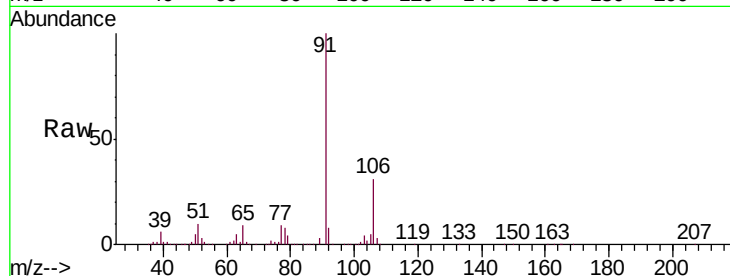
VSTD02590

Tgt Ion: 91 Resp: 546019

Ion Ratio Lower Upper

91 100

106 30.6 20.8 38.6



#54

m,p-Xylene

Concen: 25.595 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005398.D

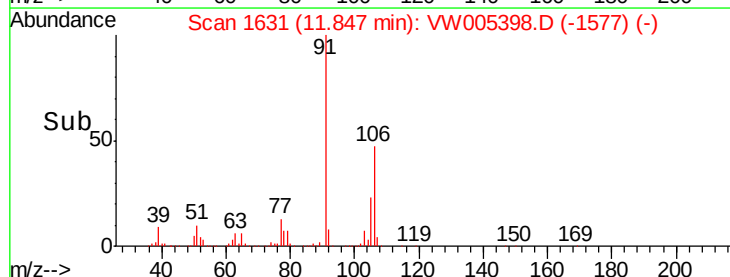
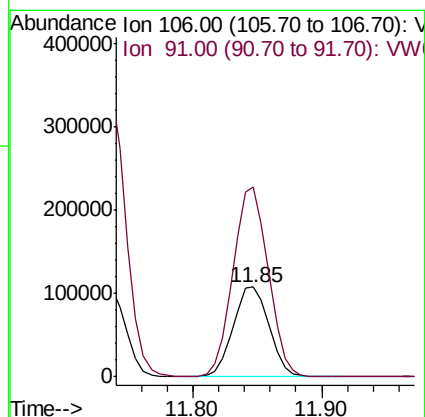
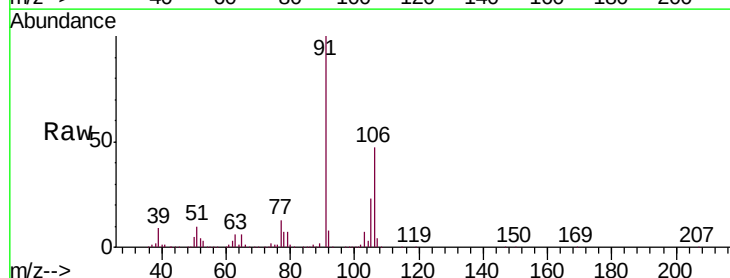
Acq: 14 Sep 2018 19:53

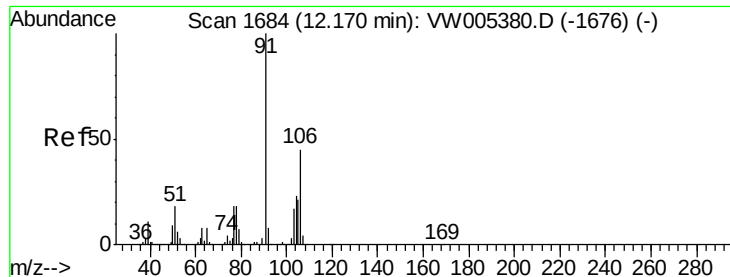
Tgt Ion: 106 Resp: 209339

Ion Ratio Lower Upper

106 100

91 210.7 146.4 271.8





#55

o-xylene

Concen: 25.495 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

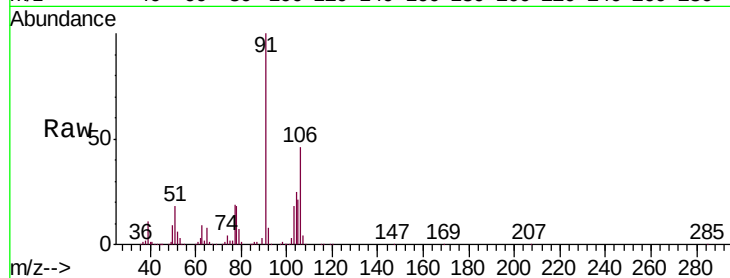
VSTD02590

Tgt Ion:106 Resp: 195815

Ion Ratio Lower Upper

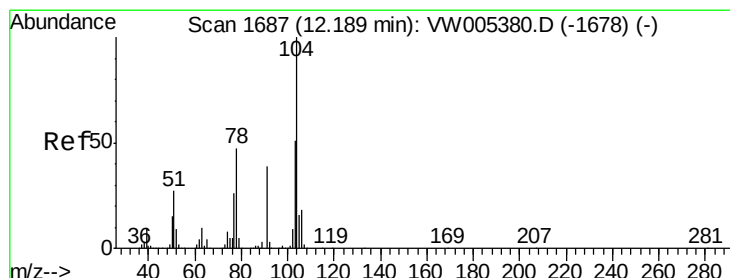
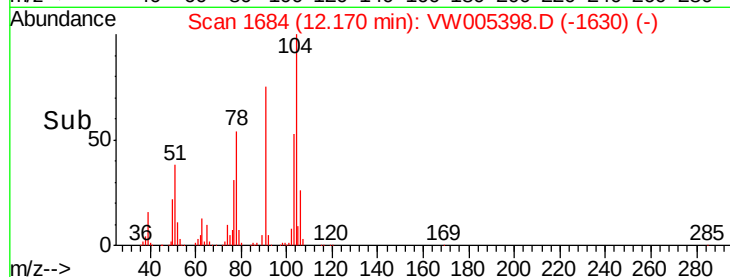
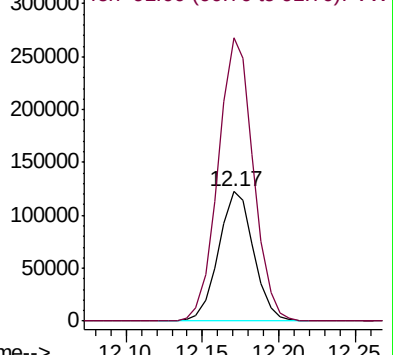
106 100

91 218.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.996 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005398.D

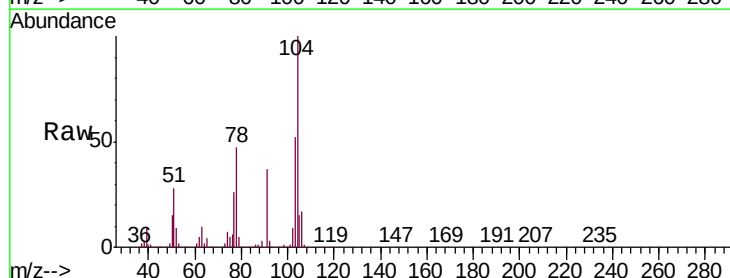
Acq: 14 Sep 2018 19:53

Tgt Ion:104 Resp: 344618

Ion Ratio Lower Upper

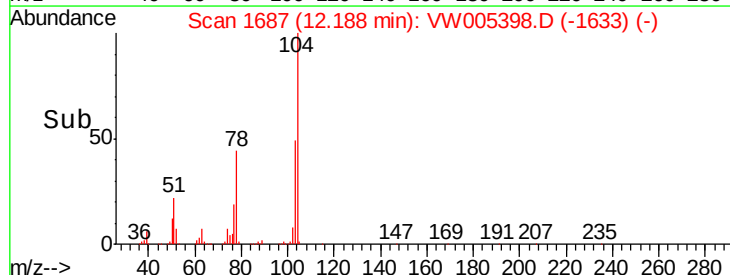
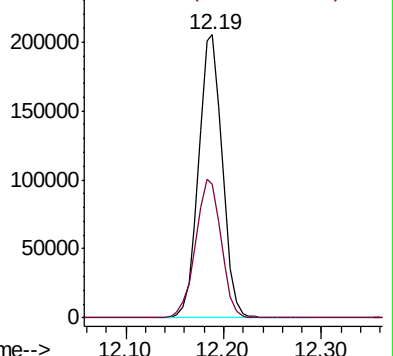
104 100

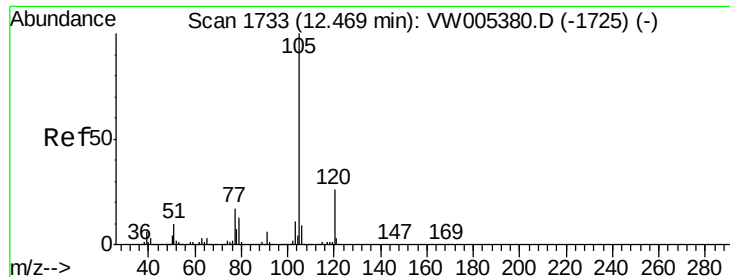
78 47.3 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.319 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

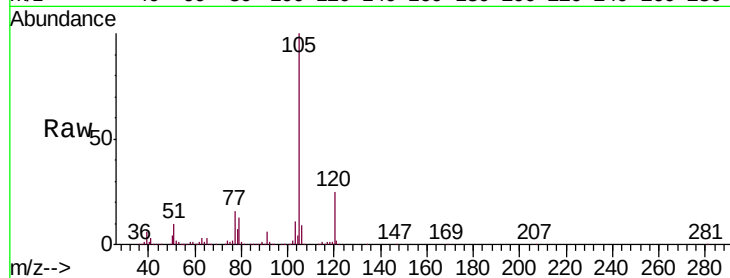
Tgt Ion: 105 Resp: 540156

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

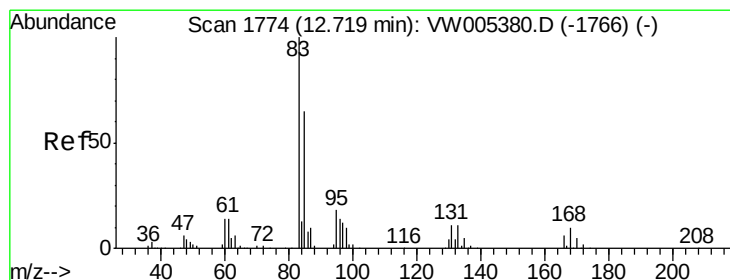
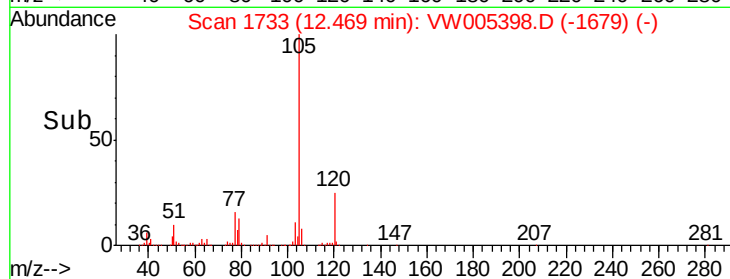
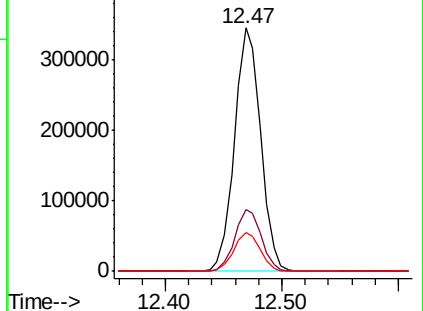
77 16.2 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.209 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

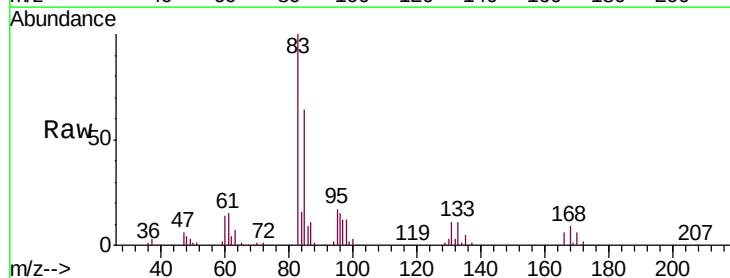
Tgt Ion: 83 Resp: 92628

Ion Ratio Lower Upper

83 100

85 64.1 43.2 80.2

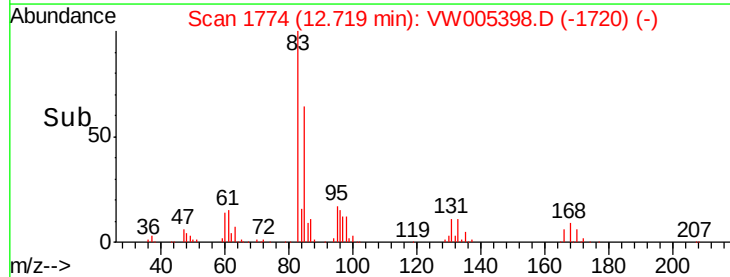
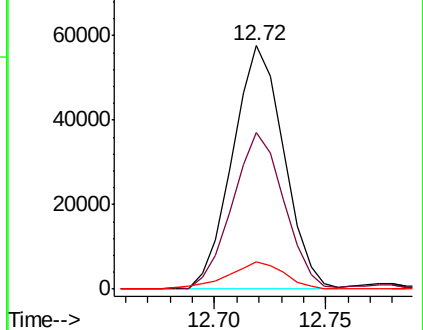
131 11.2 7.9 11.9

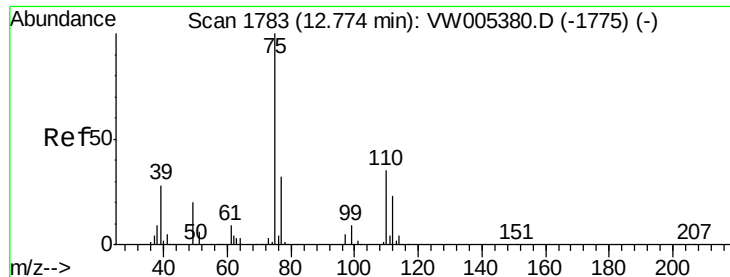


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 20.283 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

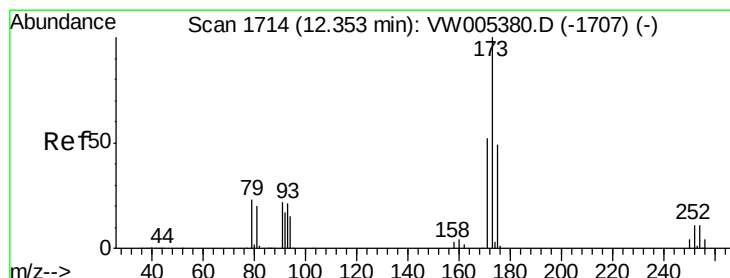
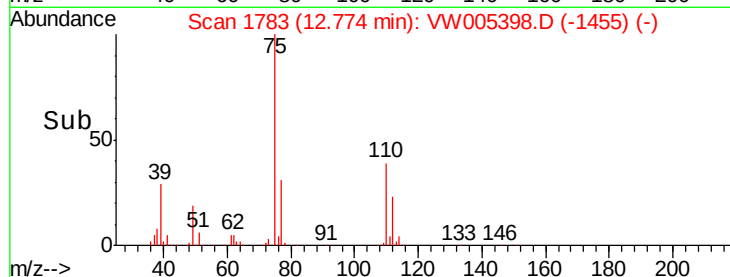
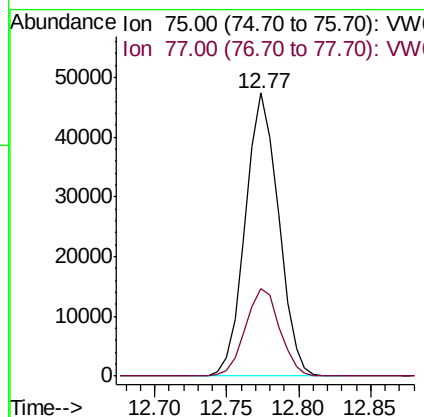
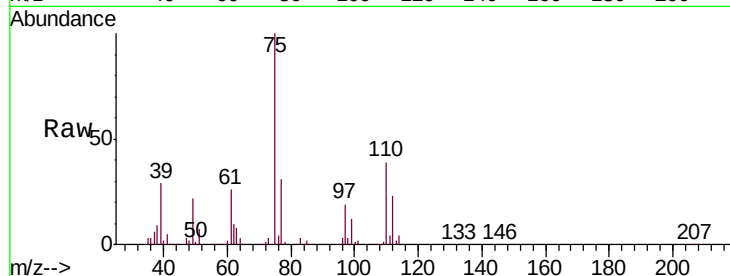
VSTD02590

Tgt Ion: 75 Resp: 75713

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#62

Bromoform

Concen: 22.351 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

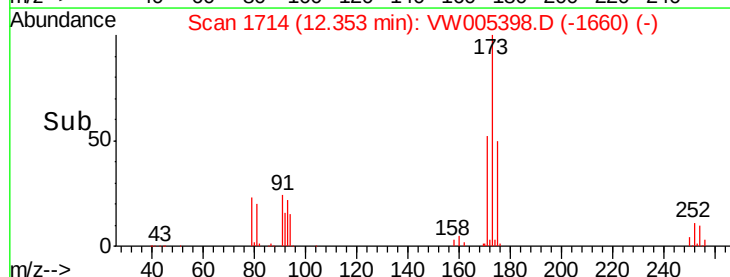
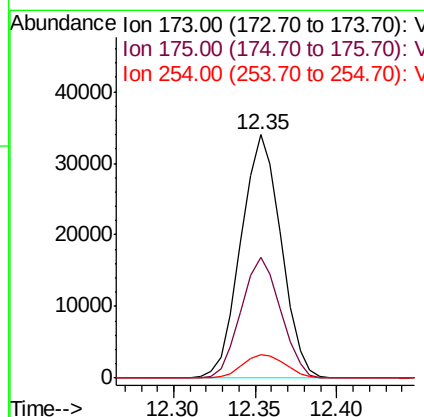
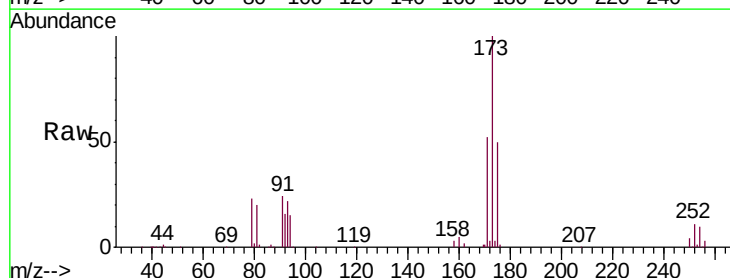
Tgt Ion: 173 Resp: 58334

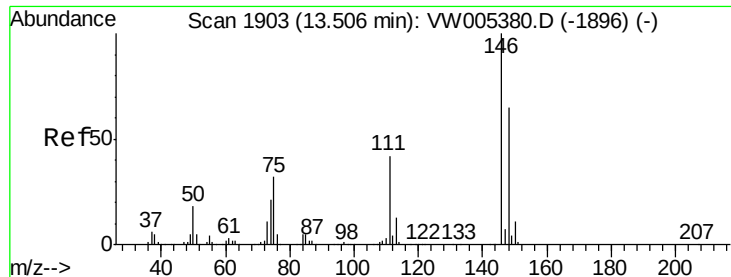
Ion Ratio Lower Upper

173 100

175 49.1 37.8 56.8

254 10.3 8.6 13.0

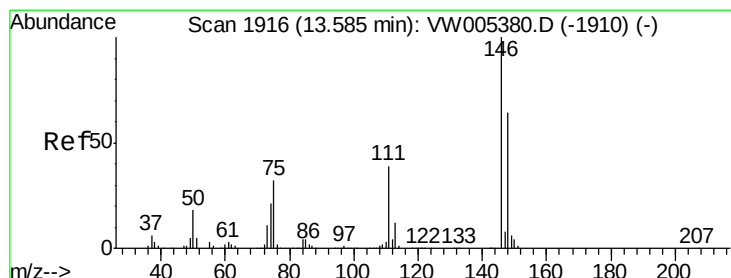
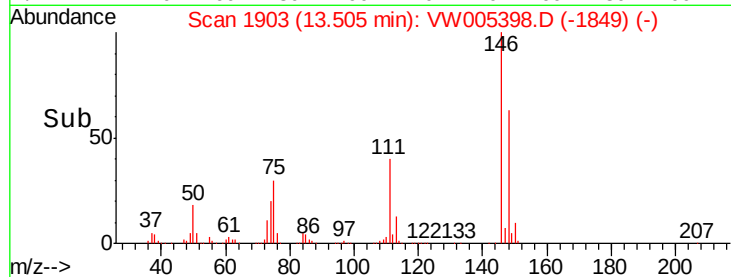
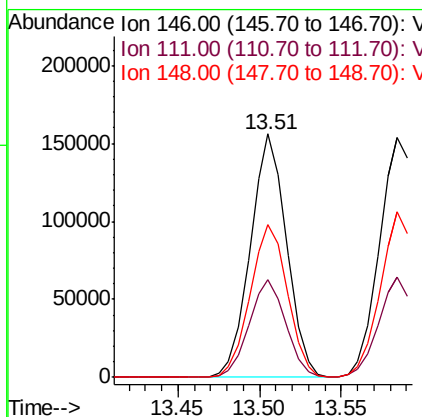
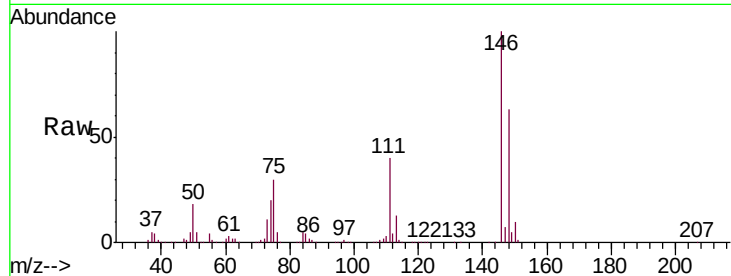




#63
 1,3-Dichlorobenzene
 Concen: 24.306 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

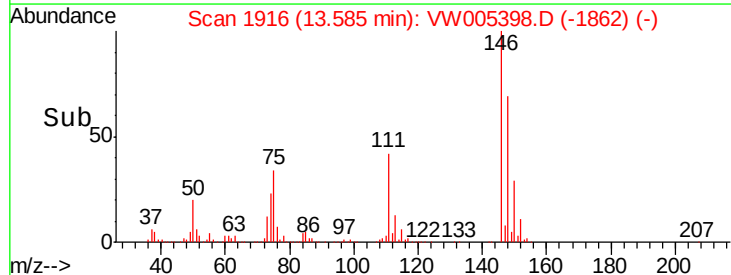
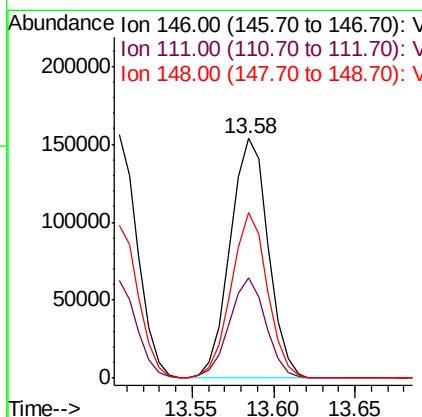
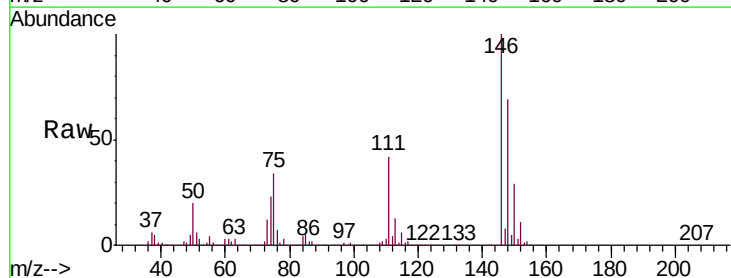
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

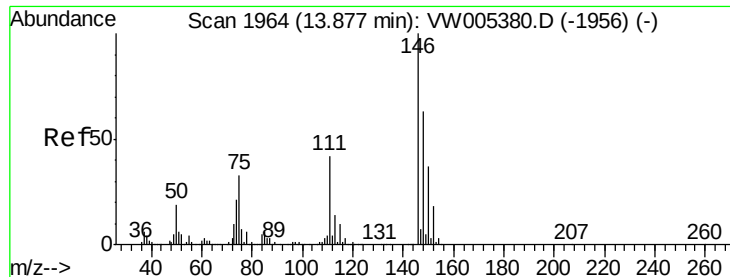
Tgt Ion:146 Resp: 240736
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.1 52.3
 148 62.8 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 24.500 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Tgt Ion:146 Resp: 250442
 Ion Ratio Lower Upper
 146 100
 111 41.7 27.9 51.9
 148 69.1 44.3 82.3

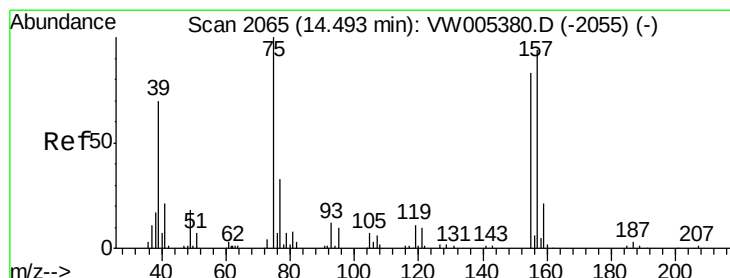
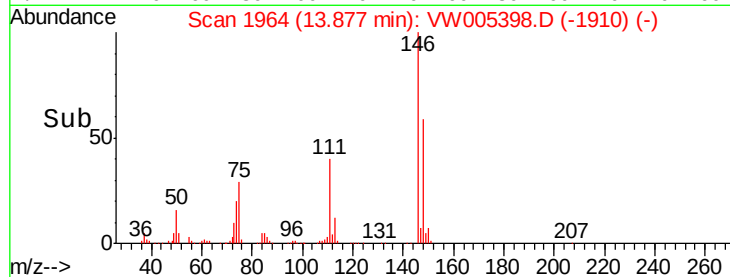
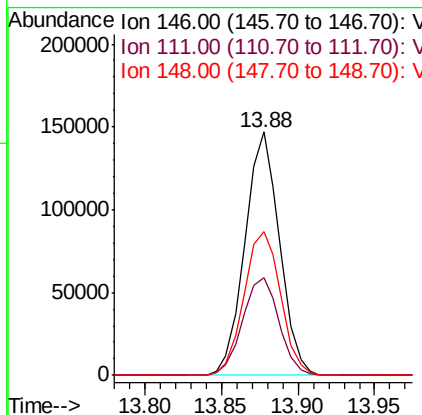
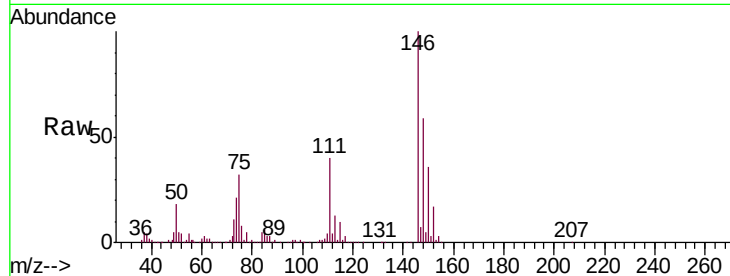




#65
 1,2-Dichlorobenzene
 Concen: 24.353 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

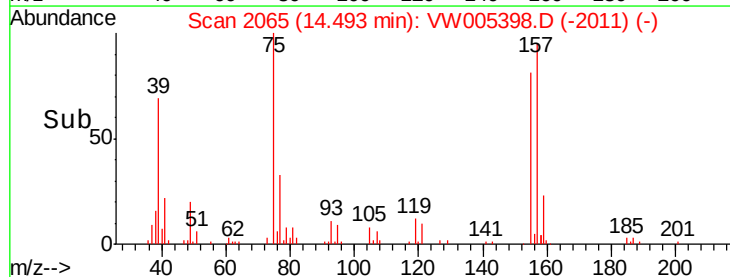
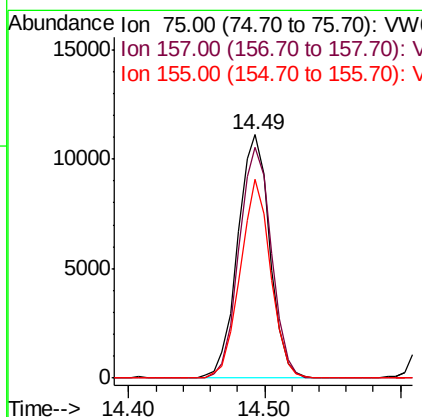
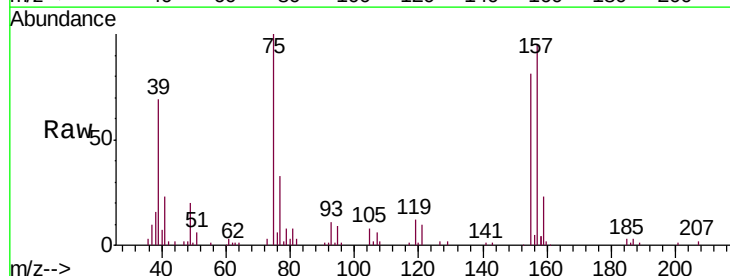
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

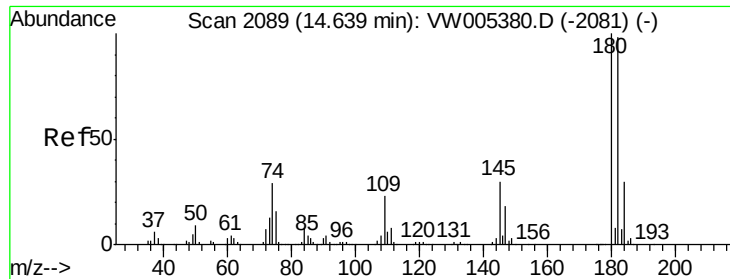
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.9	49.3
148	59.1	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.758 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
157	95.0	86.3	129.5
155	81.4	66.6	100.0

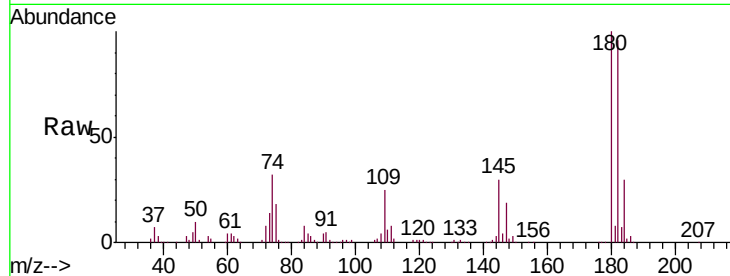




#67
 1,3,5-Trichlorobenzene
 Concen: 24.100 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.7	113.5
184	30.3	24.0	36.0
145	29.2	23.8	35.6



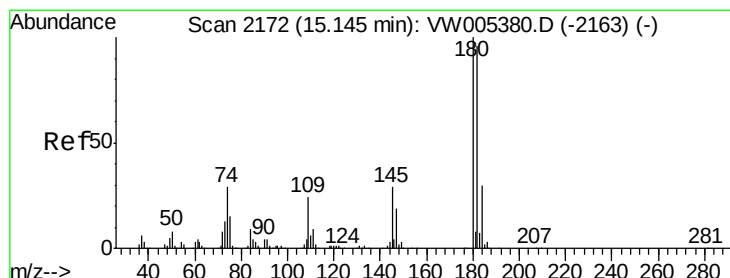
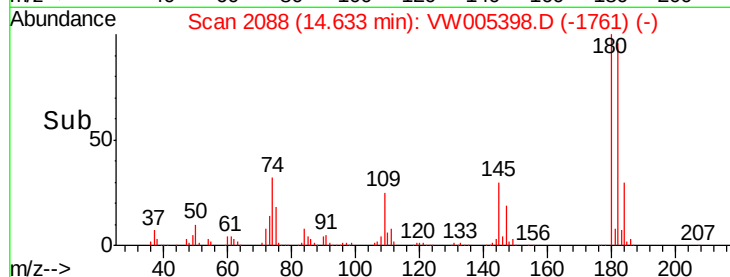
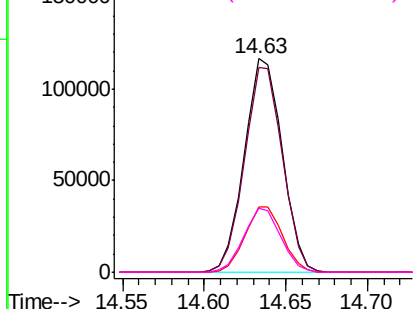
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

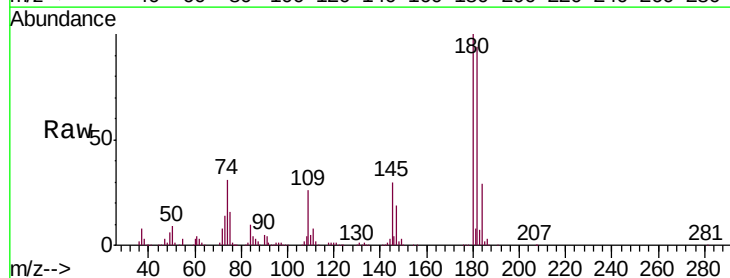
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.659 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005398.D
 Acq: 14 Sep 2018 19:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
145	29.7	24.2	36.4

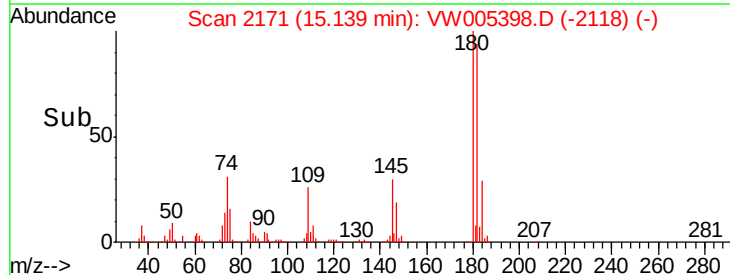
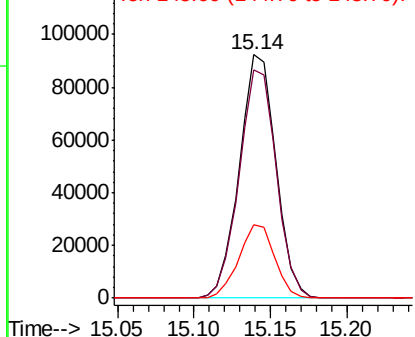


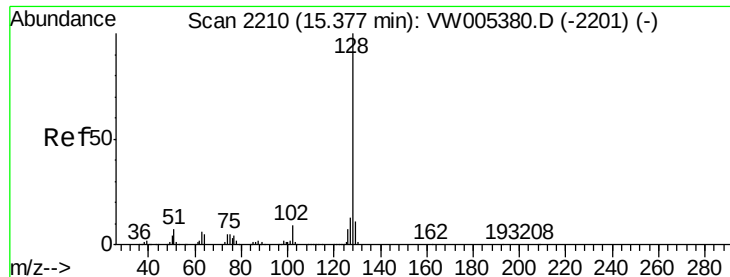
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 20.460 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

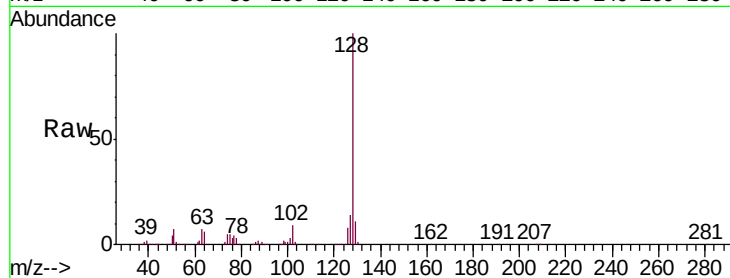
Tgt Ion:128 Resp: 290557

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

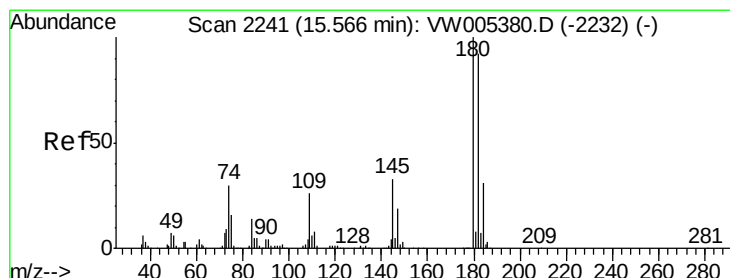
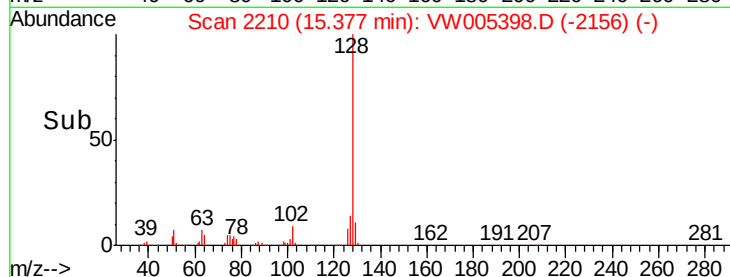
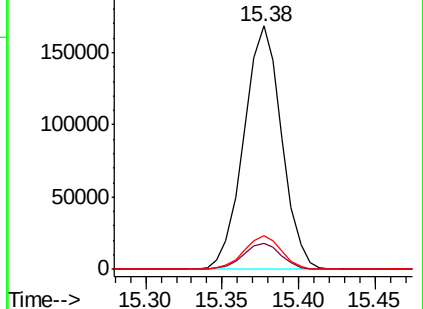
127 13.7 10.9 16.3



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: 23.416 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005398.D

Acq: 14 Sep 2018 19:53

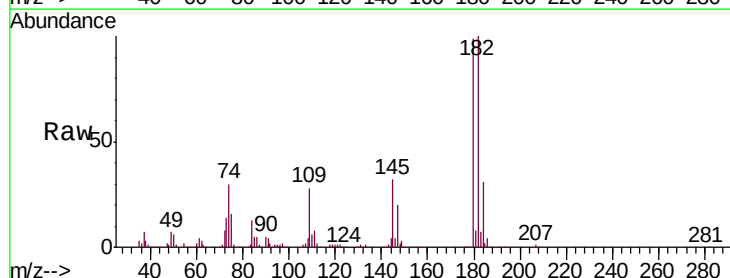
Tgt Ion:180 Resp: 142653

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 32.2 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

