

Data File : VW005940.D
Acq On : 09 Oct 2018 13:19
Operator : SY/AP
Sample : VSTD10098
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10098

Quant Time: Oct 09 14:15:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 09 14:04:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	401755	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	374078	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	208706	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	397830	77.68	ug/L	0.00
7) Chloroethane-d5	2.89	69	380452	95.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	828193	74.06	ug/L	0.00
20) 2-Butanone-d5	7.08	46	266740	162.23	ug/L	0.00
24) Chloroform-d	7.65	84	884553	85.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	480203	76.82	ug/L	0.00
29) Benzene-d6	8.27	84	1720549	92.91	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	520952	97.33	ug/L	0.00
37) Toluene-d8	10.33	98	1744310	95.41	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	264994	94.27	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	233178	186.04	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	491456	94.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	736888	99.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	401505	85.227 ug/L	90
3) Chloromethane	2.22	50	410143	93.461 ug/L	97
5) Vinyl chloride	2.37	62	587369	92.827 ug/L	97
6) Bromomethane	2.78	94	476135	125.066 ug/L	99
8) Chloroethane	2.93	64	376387	106.984 ug/L	100
9) Trichlorofluoromethane	3.26	101	527612	109.128 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	495558	90.732 ug/L	99
12) 1,1-Dichloroethene	4.04	96	463573	88.869 ug/L	86
13) Acetone	4.12	43	274694	160.432 ug/L	99
14) Carbon disulfide	4.38	76	1502885	91.887 ug/L	100
15) Methyl Acetate	4.67	43	220417	72.538 ug/L	100
16) Methylene chloride	4.91	84	463561	69.979 ug/L	100
17) Methyl tert-butyl Ether	5.43	73	701929	84.571 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	501954	93.565 ug/L	97
19) 1,1-Dichloroethane	6.21	63	828503	83.460 ug/L	99
21) 2-Butanone	7.17	43	343012	167.279 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	553778	94.964 ug/L	98
23) Bromochloromethane	7.52	128	261270	96.535 ug/L	98
25) Chloroform	7.68	83	893157	84.092 ug/L	100
27) 1,2-Dichloroethane	8.40	62	600681	76.813 ug/L	98
30) Cyclohexane	7.96	56	818437	96.531 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	790399	86.282 ug/L	99
32) Carbon tetrachloride	8.07	117	792790	88.871 ug/L	100
34) Benzene	8.33	78	1920026	90.838 ug/L	100
35) Trichloroethene	9.09	95	549449	97.167 ug/L	100
36) Methylcyclohexane	9.34	83	985109	100.186 ug/L	100
40) 1,2-Dichloropropane	9.37	63	482987	93.765 ug/L	100
41) Bromodichloromethane	9.65	83	681776	94.139 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	816759	96.015 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	677604	161.195 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2202494	93.246	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	721994	91.151	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	393423	91.530	ug/L	99
47) Tetrachloroethene	10.87	164	510092	102.391	ug/L	95
49) 2-Hexanone	10.97	43	545928	185.016	ug/L	99
50) Dibromochloromethane	11.13	129	538106	99.821	ug/L	100
51) 1,2-Dibromoethane	11.24	107	405358	97.545	ug/L	100
52) Chlorobenzene	11.66	112	1478726	95.163	ug/L	99
53) Ethylbenzene	11.74	91	2560518	94.677	ug/L	99
54) m,p-Xylene	11.84	106	1014189	99.538	ug/L	100
55) o-xylene	12.17	106	997503	103.868	ug/L	98
56) Styrene	12.19	104	1756543	104.225	ug/L	98
57) Isopropylbenzene	12.47	105	2740252	99.898	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	494983	90.272	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	364216	81.827	ug/L	100
62) Bromoform	12.35	173	375576	101.198	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1299191	98.001	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1295055	93.544	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	1188572	93.177	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	89196	73.541	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	1052943	96.775	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	900034	100.699	ug/L	100
69) Naphthalene	15.38	128	1714866	95.754	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	811740	96.904	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD10098

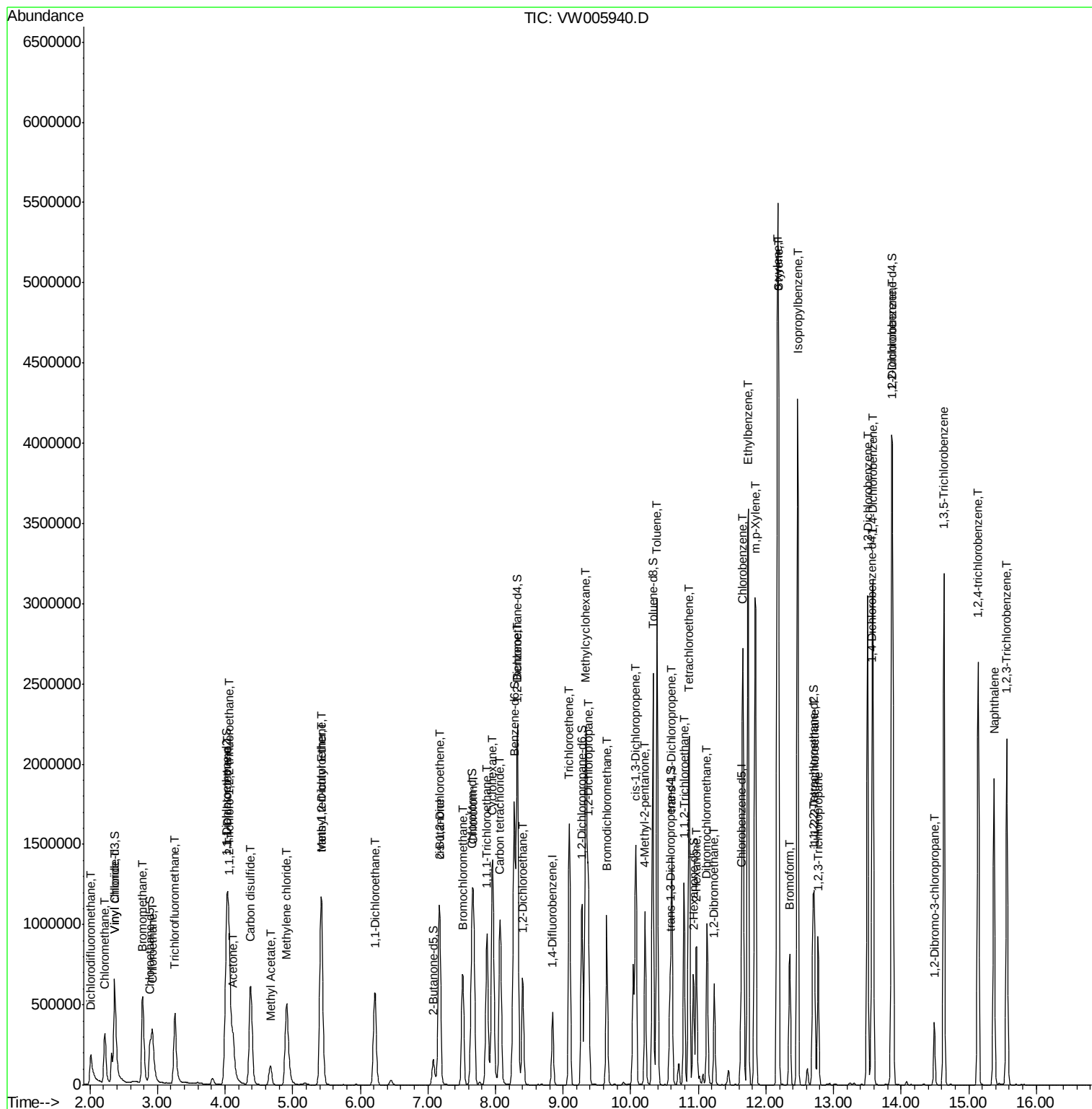
Quant Time: Oct 09 14:15:07 2018

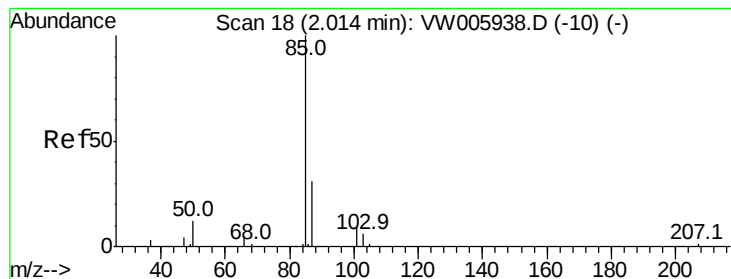
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 85.227 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

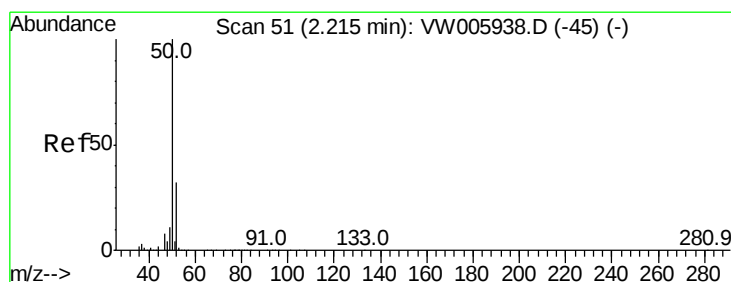
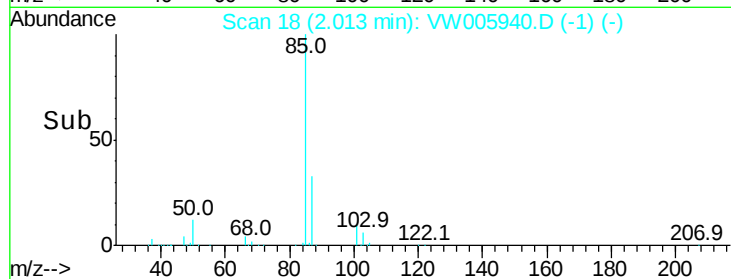
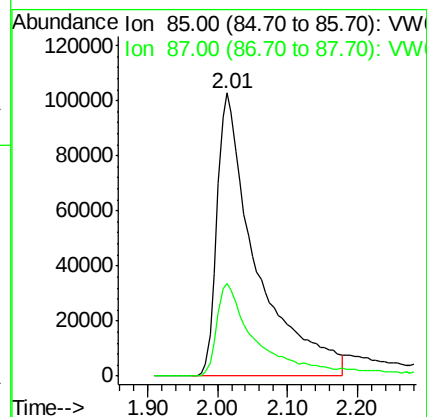
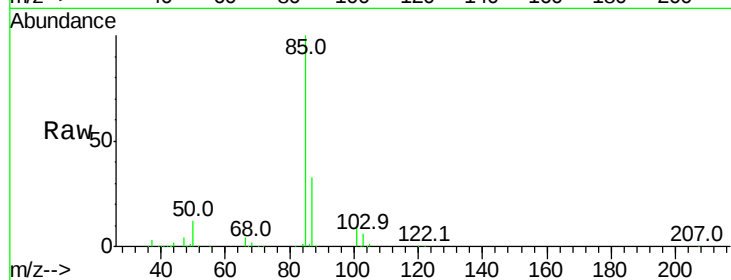
VSTD10098

Tgt Ion: 85 Resp: 401505

Ion Ratio Lower Upper

85 100

87 32.4 19.2 35.6



#3

Chloromethane

Concen: 93.461 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005940.D

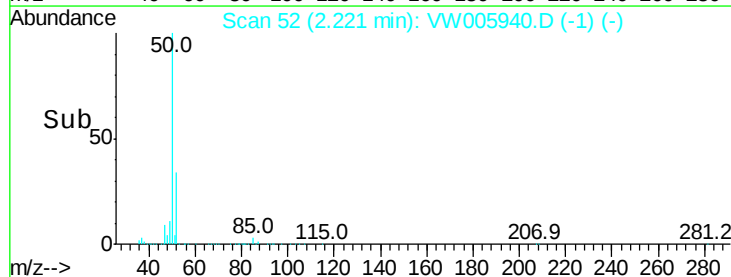
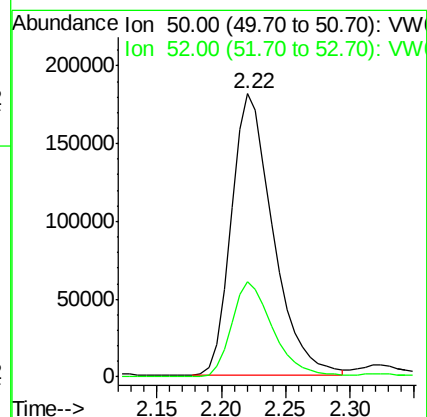
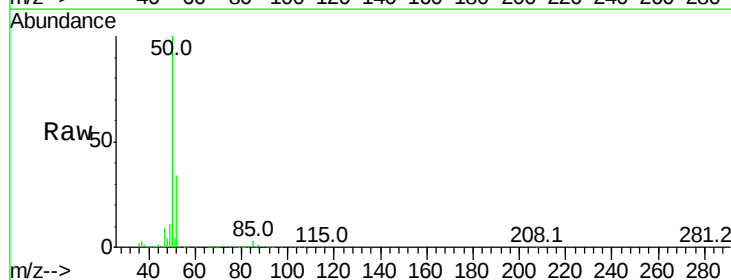
Acq: 09 Oct 2018 13:19

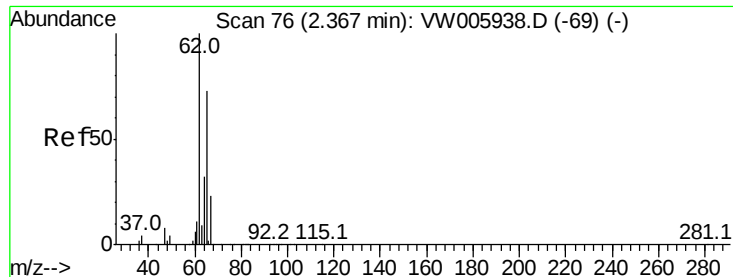
Tgt Ion: 50 Resp: 410143

Ion Ratio Lower Upper

50 100

52 33.5 22.3 41.3





#5

Vinyl chloride

Concen: 92.827 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

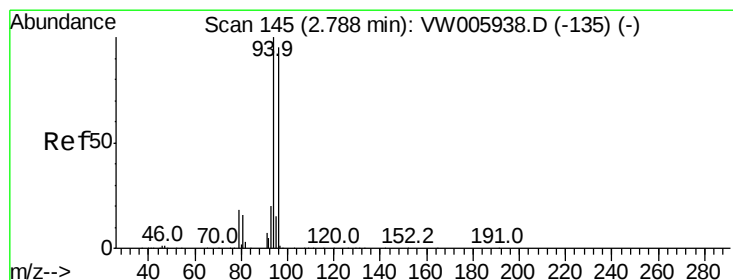
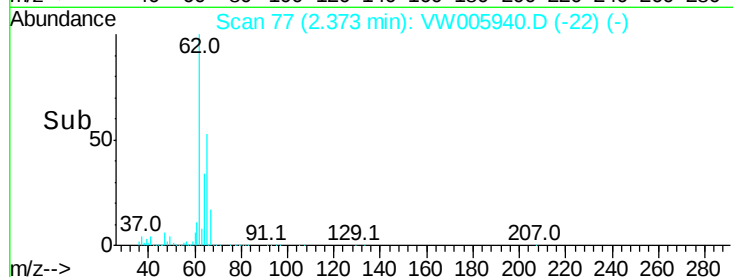
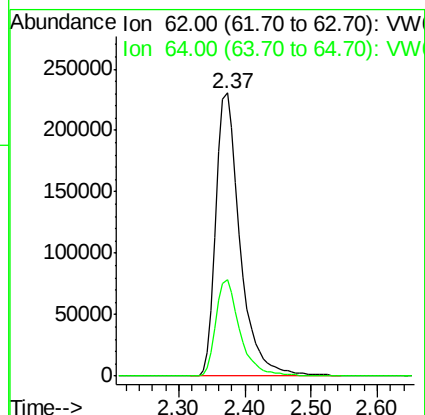
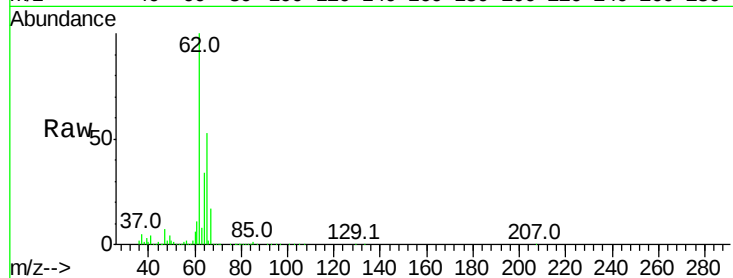
VSTD10098

Tgt Ion: 62 Resp: 587369

Ion Ratio Lower Upper

62 100

64 34.1 22.7 42.3



#6

Bromomethane

Concen: 125.066 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW005940.D

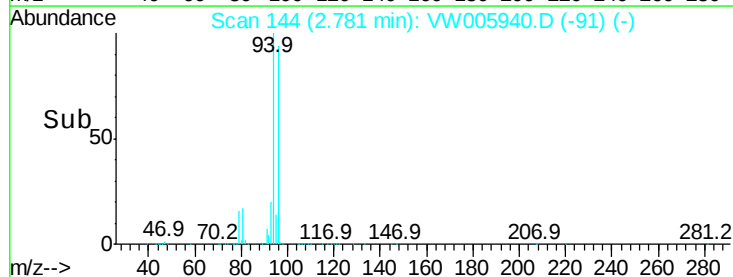
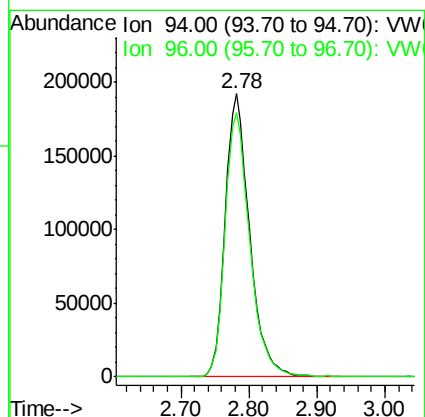
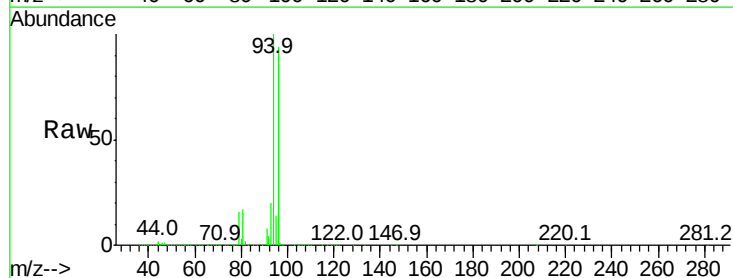
Acq: 09 Oct 2018 13:19

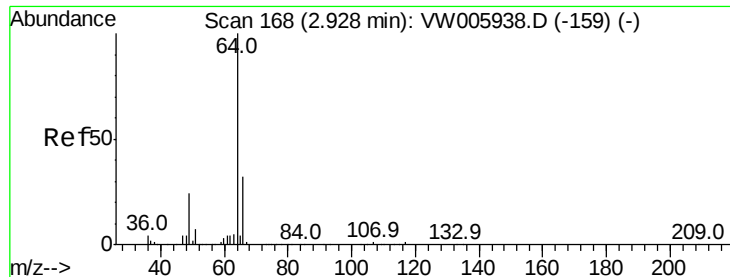
Tgt Ion: 94 Resp: 476135

Ion Ratio Lower Upper

94 100

96 94.8 9.5 181.3





#8

Chloroethane

Concen: 106.984 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

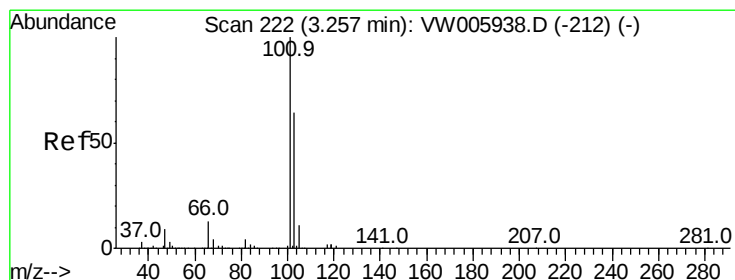
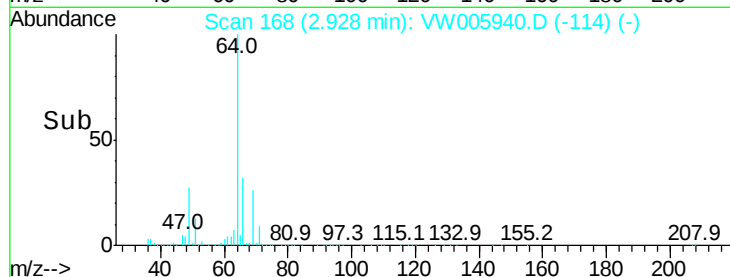
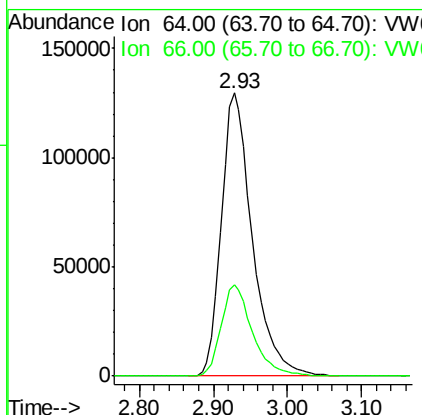
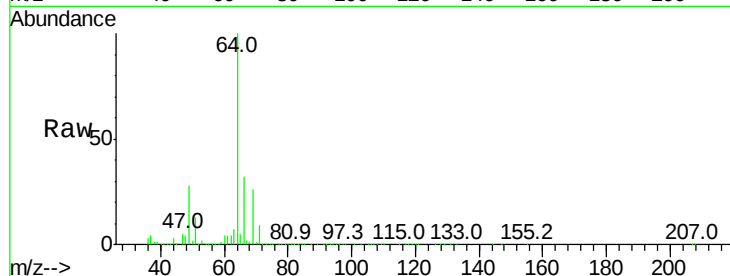
VSTD10098

Tgt Ion: 64 Resp: 376387

Ion Ratio Lower Upper

64 100

66 32.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 109.128 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW005940.D

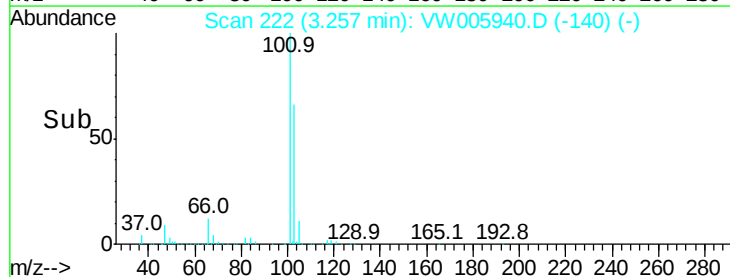
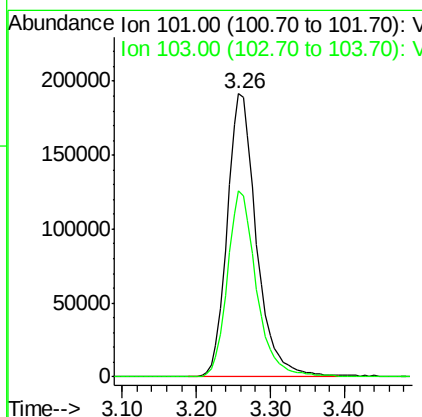
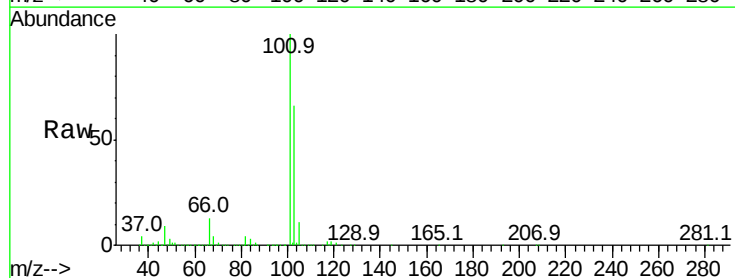
Acq: 09 Oct 2018 13:19

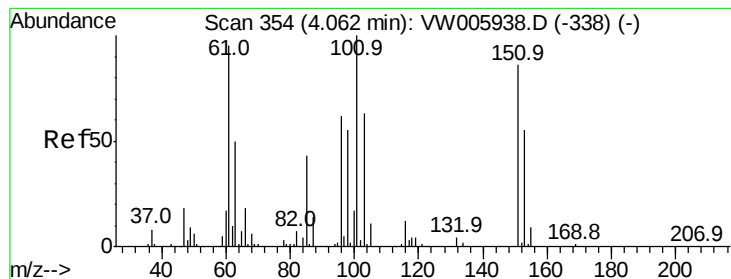
Tgt Ion: 101 Resp: 527612

Ion Ratio Lower Upper

101 100

103 65.1 45.6 84.6





#11

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

Concen: 90.732 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTD10098

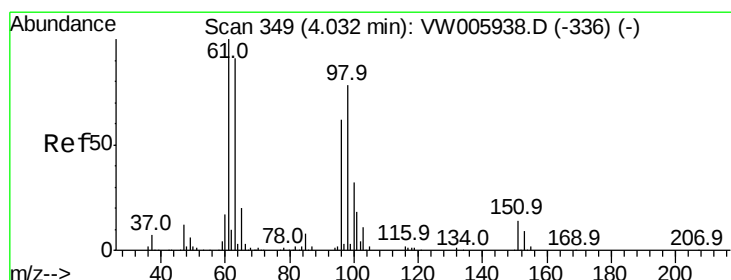
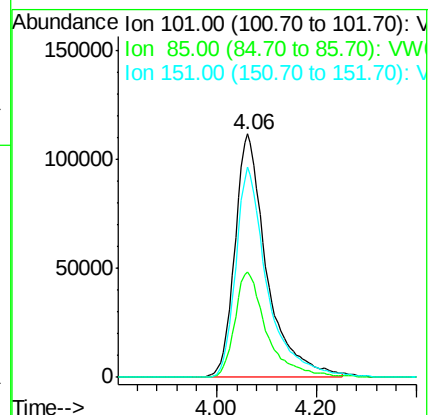
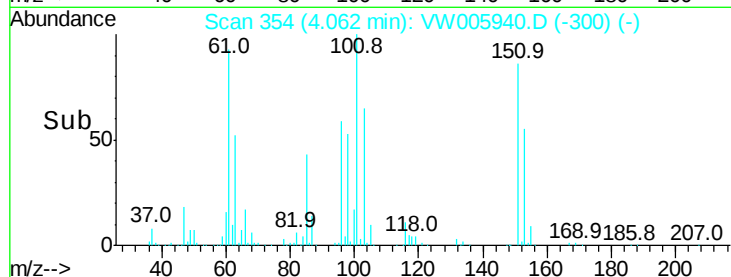
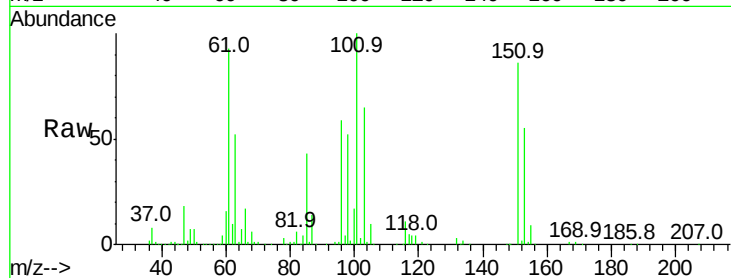
Tgt Ion:101 Resp: 495558

Ion Ratio Lower Upper

101 100

85 43.1 33.4 50.2

151 85.4 68.7 103.1



#12

1,1-Dichloroethene

Concen: 88.869 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

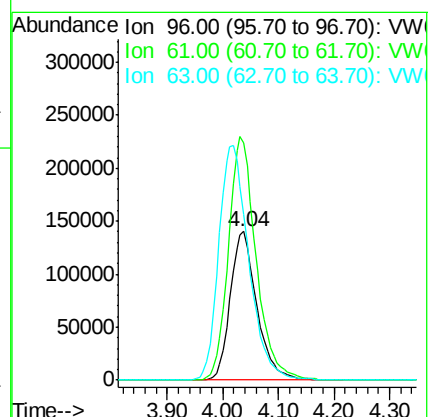
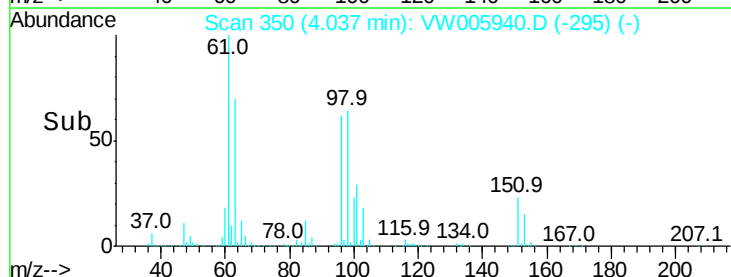
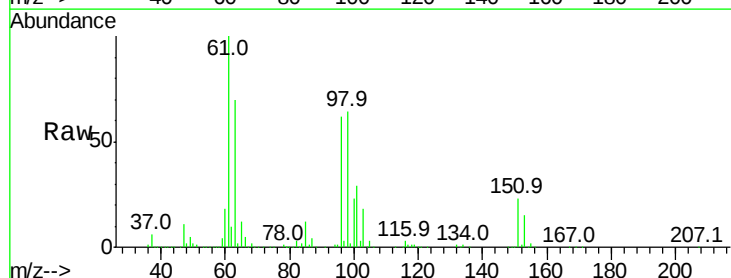
Tgt Ion: 96 Resp: 463573

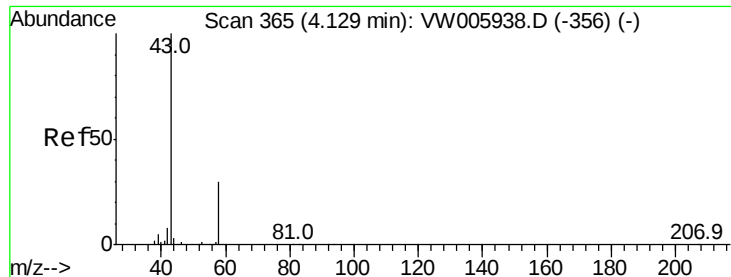
Ion Ratio Lower Upper

96 100

61 160.1 112.3 208.7

63 111.5 102.6 190.6





#13

Acetone

Concen: 160.432 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

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ClientSampleId :

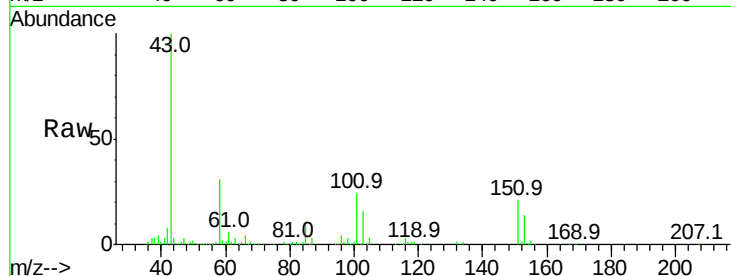
VSTD10098

Tgt Ion: 43 Resp: 274694

Ion Ratio Lower Upper

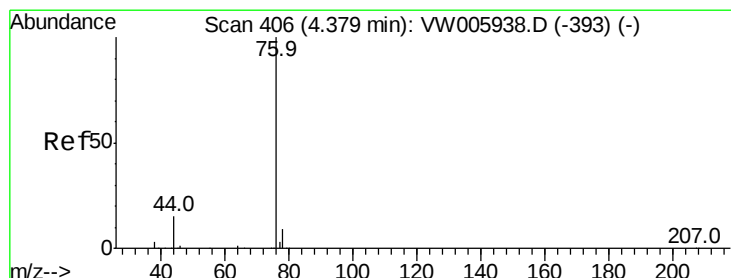
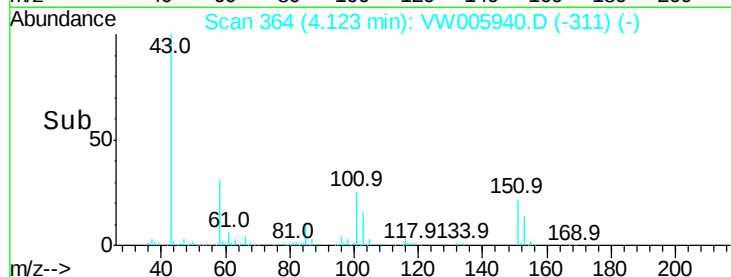
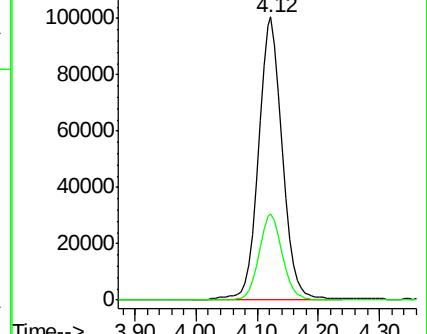
43 100

58 30.0 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 91.887 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW005940.D

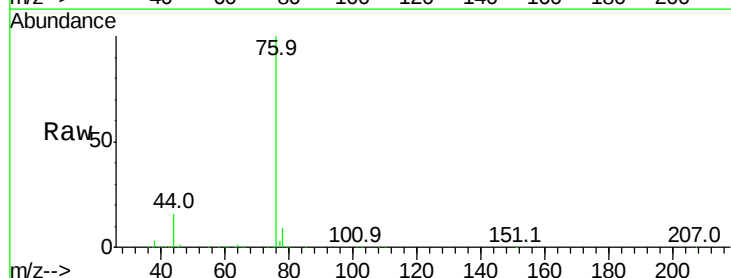
Acq: 09 Oct 2018 13:19

Tgt Ion: 76 Resp: 1502885

Ion Ratio Lower Upper

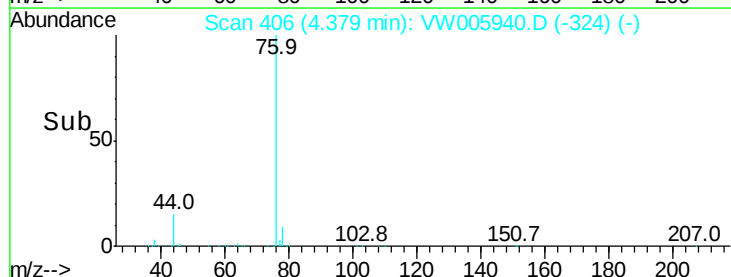
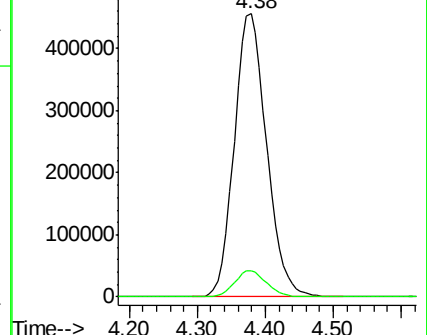
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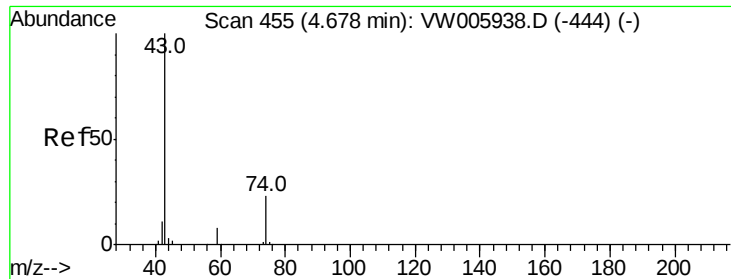
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

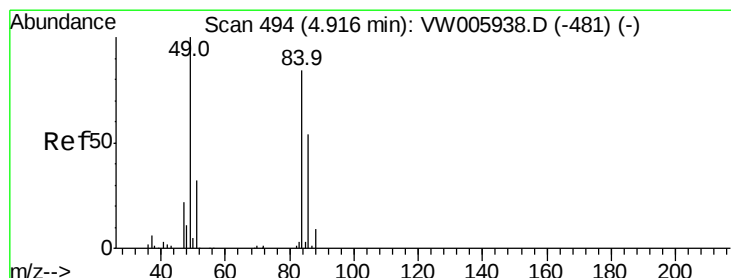
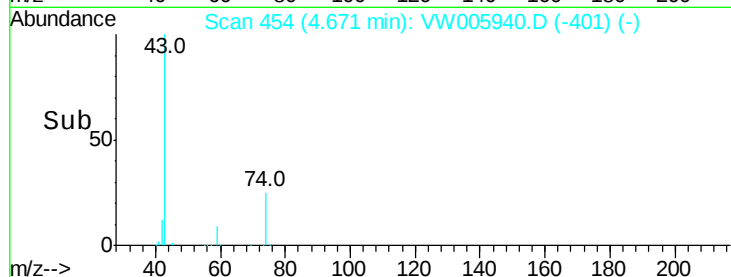
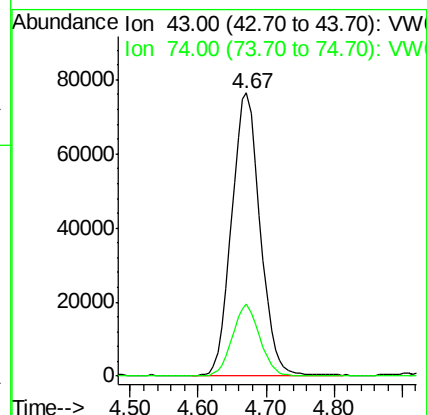
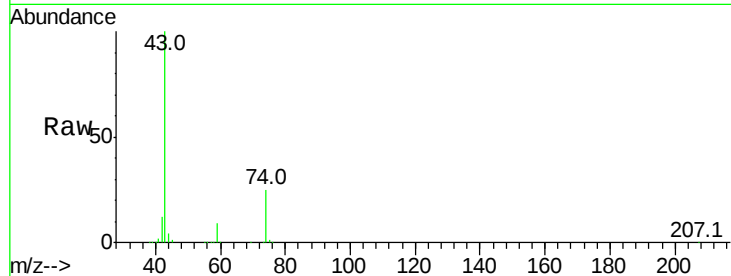




#15
Methyl Acetate
Concen: 72.538 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

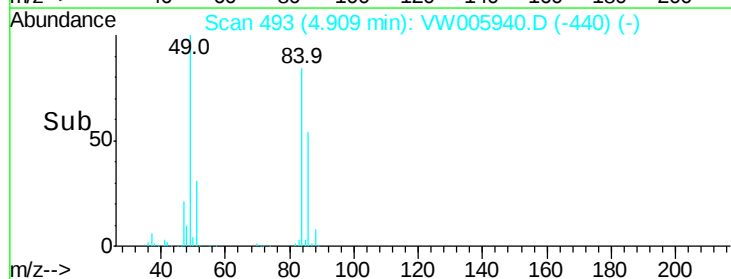
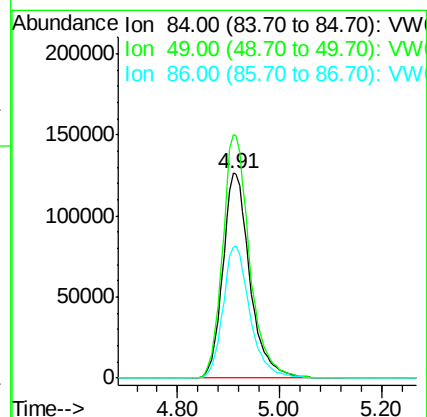
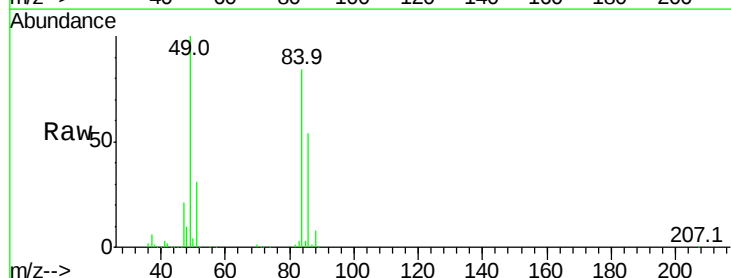
Instrument :
MSVOA_W
ClientSampleId :
VSTD10098

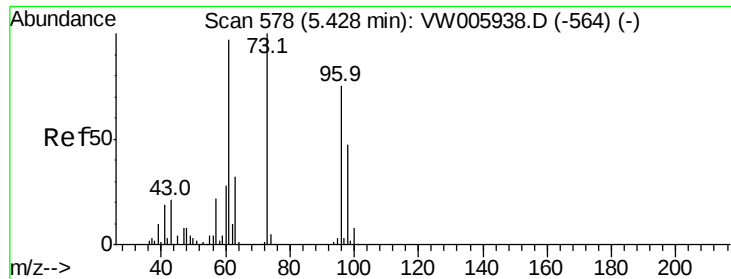
Tgt Ion: 43 Resp: 220417
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2



#16
Methylene chloride
Concen: 69.979 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Tgt Ion: 84 Resp: 463561
Ion Ratio Lower Upper
84 100
49 118.9 83.5 155.1
86 64.1 44.9 83.5

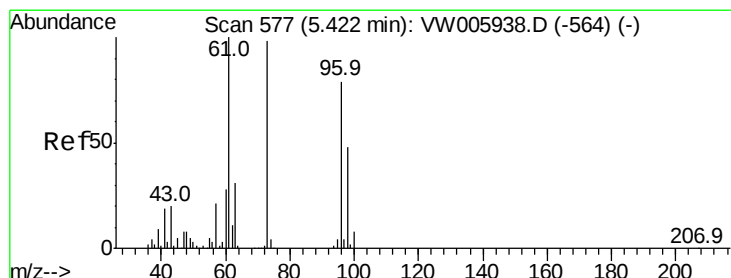
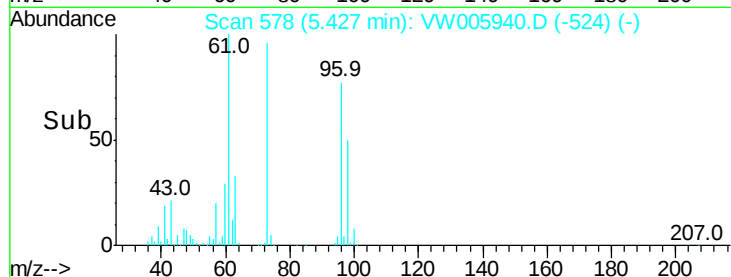
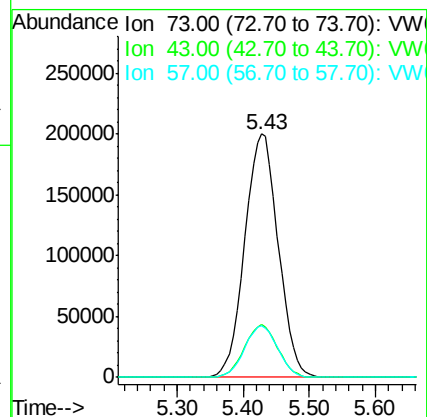
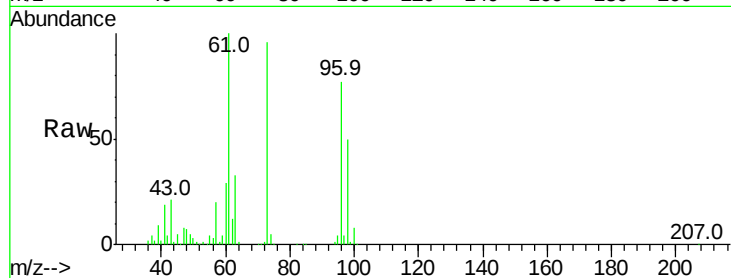




#17
Methyl tert-butyl Ether
Concen: 84.571 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

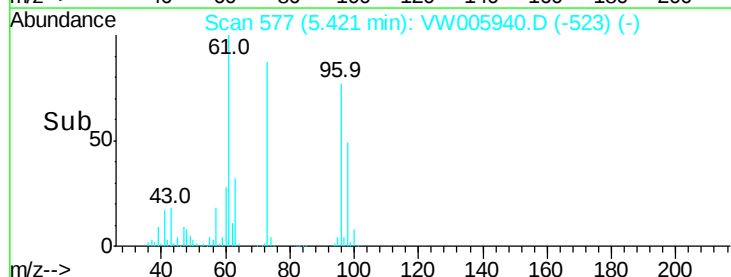
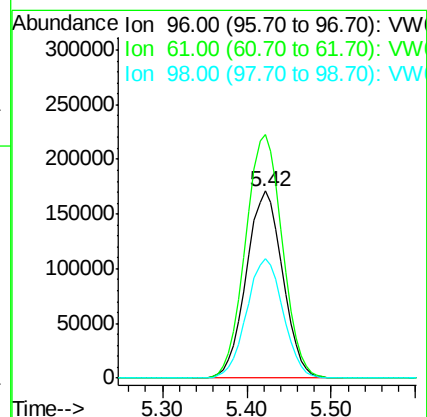
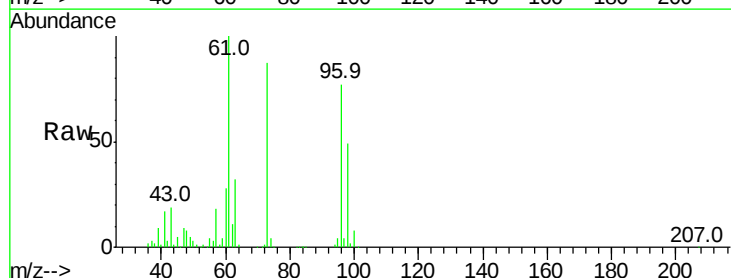
Instrument :
MSVOA_W
ClientSampled :
VSTD10098

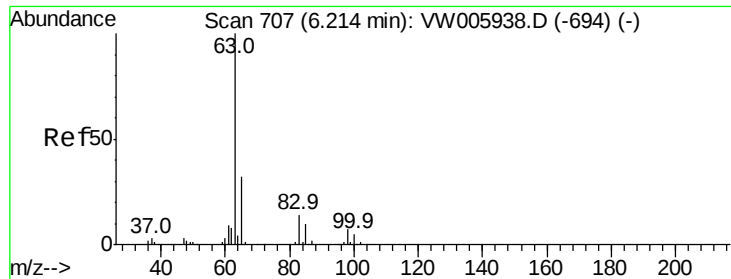
Tgt Ion: 73 Resp: 701929
Ion Ratio Lower Upper
73 100
43 21.4 17.0 25.4
57 21.1 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 93.565 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Tgt Ion: 96 Resp: 501954
Ion Ratio Lower Upper
96 100
61 130.1 89.0 165.2
98 63.9 42.4 78.6

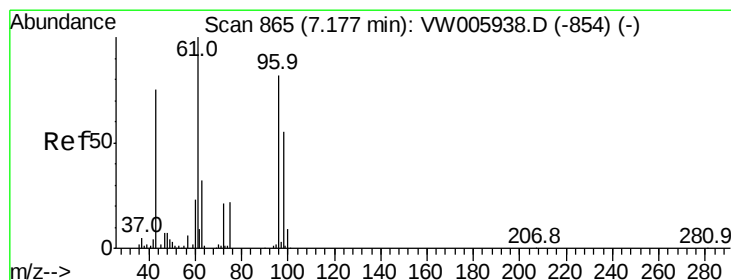
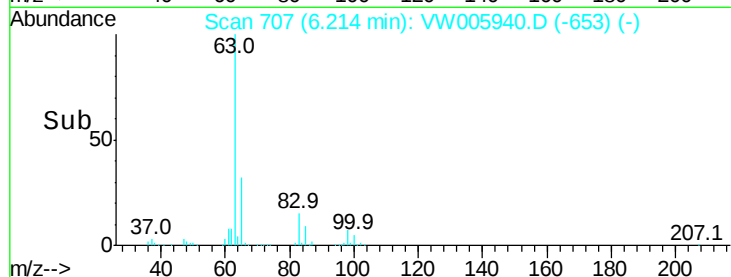
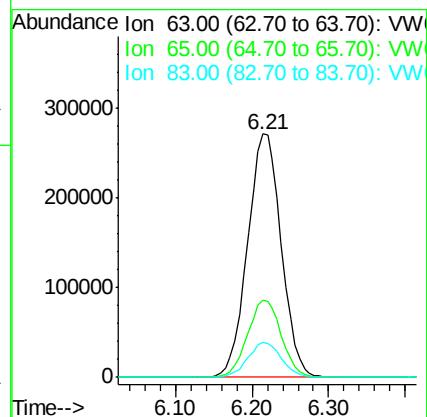
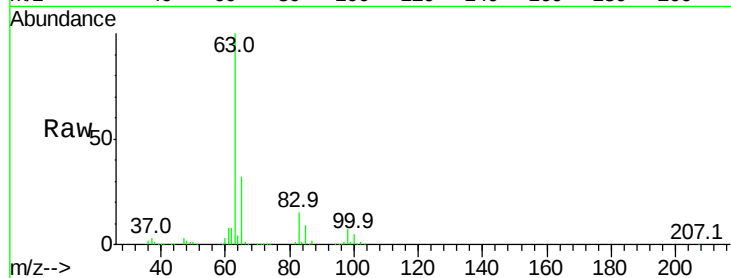




#19
 1,1-Dichloroethane
 Concen: 83.460 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

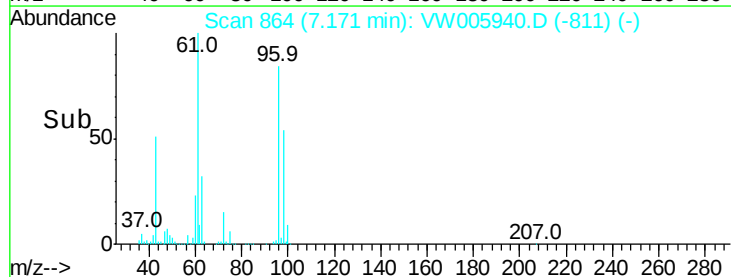
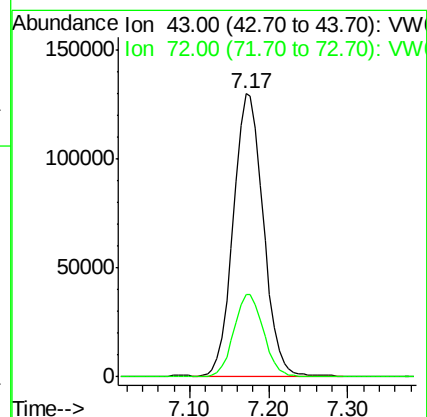
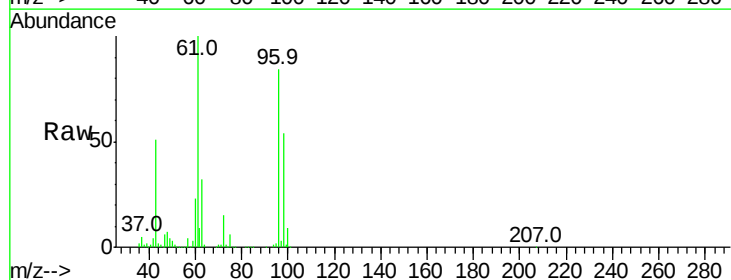
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10098

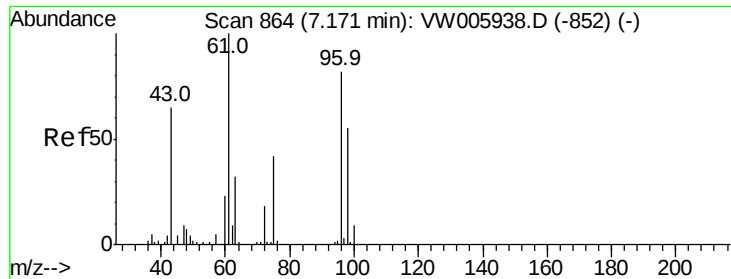
Tgt Ion: 63 Resp: 828503
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 14.6 9.7 18.1



#21
 2-Butanone
 Concen: 167.279 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

Tgt Ion: 43 Resp: 343012
 Ion Ratio Lower Upper
 43 100
 72 29.0 13.8 41.4



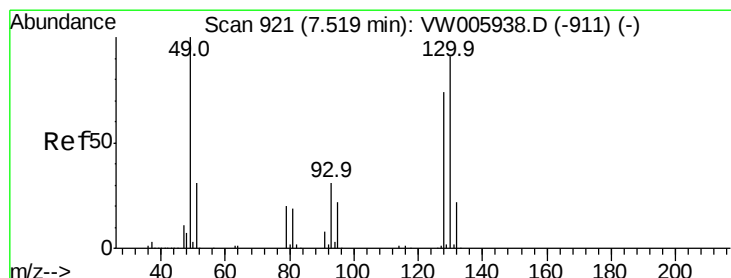
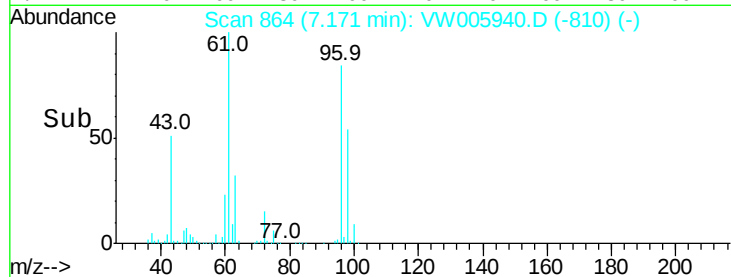
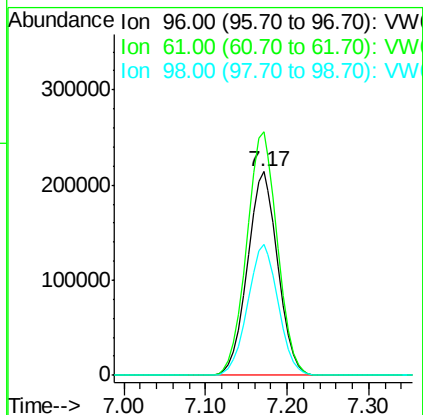
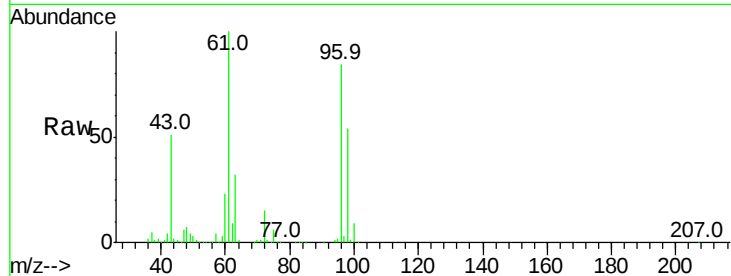


#22

cis-1,2-Dichloroethene
Concen: 94.964 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD10098

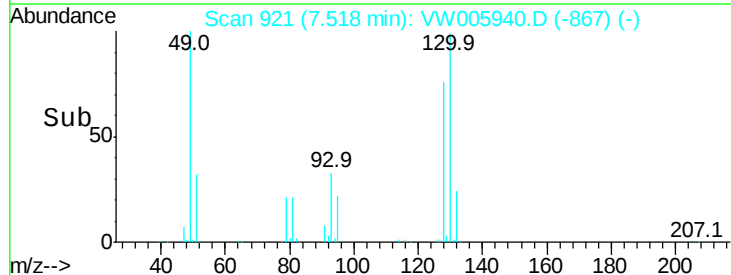
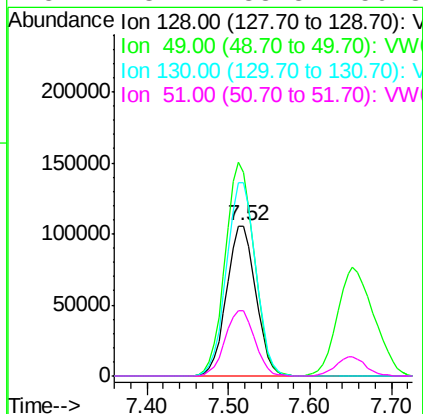
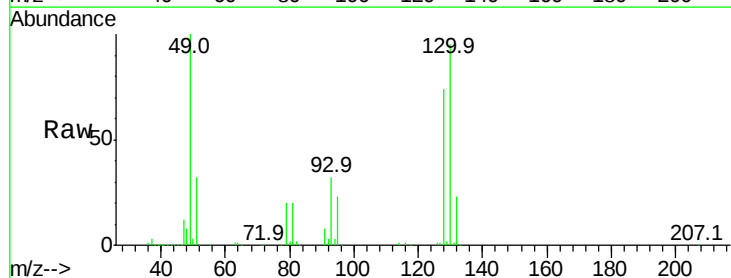
Tgt Ion: 96 Resp: 553778
Ion Ratio Lower Upper
96 100
61 119.7 85.1 158.1
98 64.2 46.3 86.1

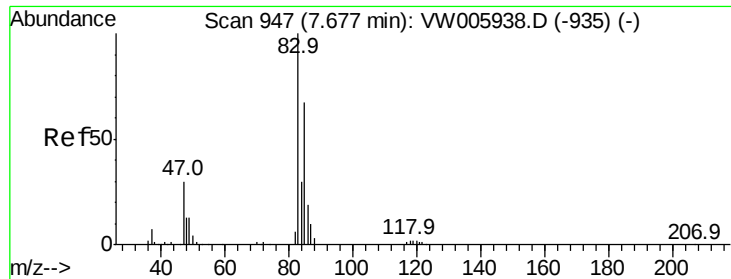


#23

Bromochloromethane
Concen: 96.535 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Tgt Ion: 128 Resp: 261270
Ion Ratio Lower Upper
128 100
49 136.0 95.2 176.8
130 129.2 86.3 160.3
51 43.4 33.8 50.8





#25

Chloroform

Concen: 84.092 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

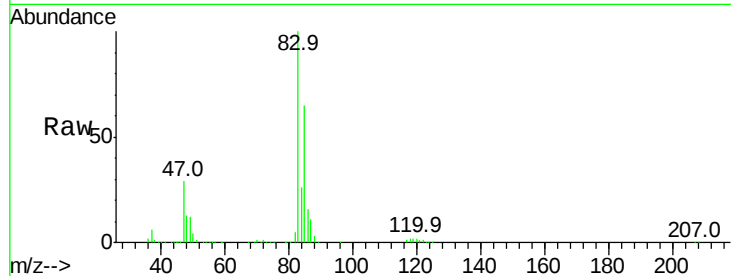
VSTD10098

Tgt Ion: 83 Resp: 893157

Ion Ratio Lower Upper

83 100

85 65.8 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

400000

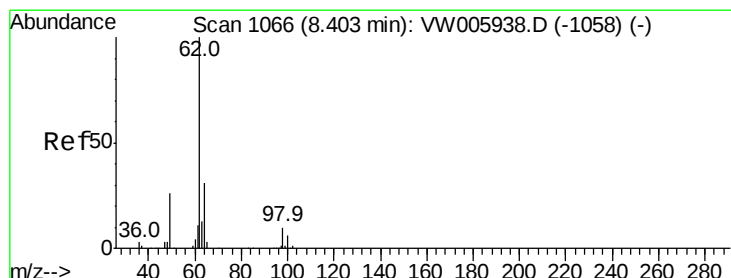
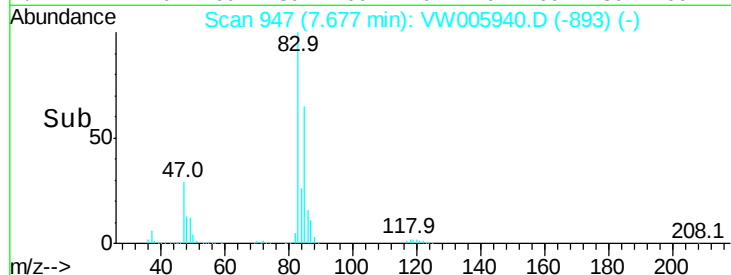
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 76.813 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005940.D

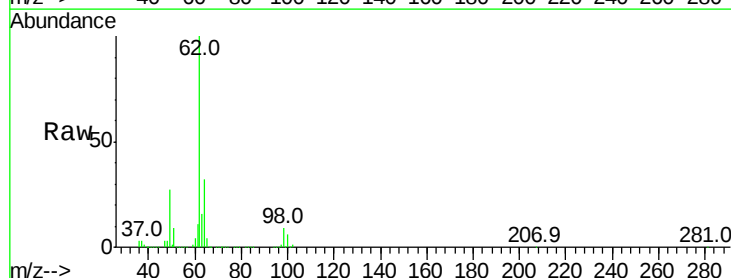
Acq: 09 Oct 2018 13:19

Tgt Ion: 62 Resp: 600681

Ion Ratio Lower Upper

62 100

98 9.2 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

300000

250000

200000

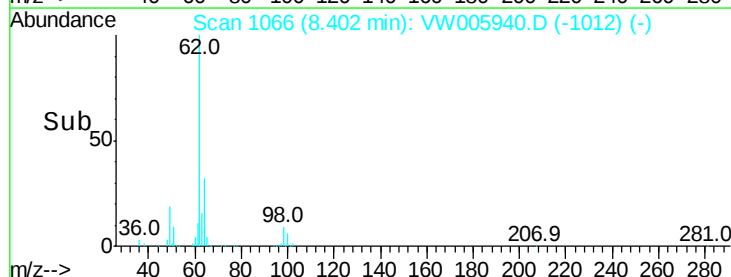
150000

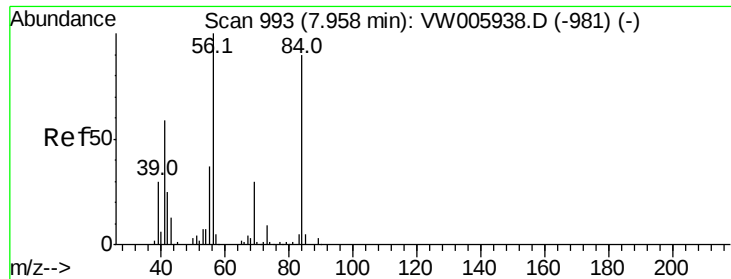
100000

50000

0

Time-->

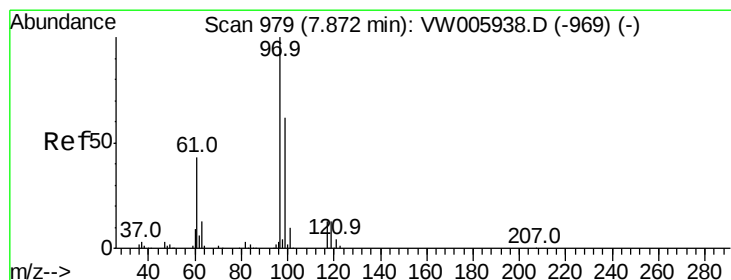
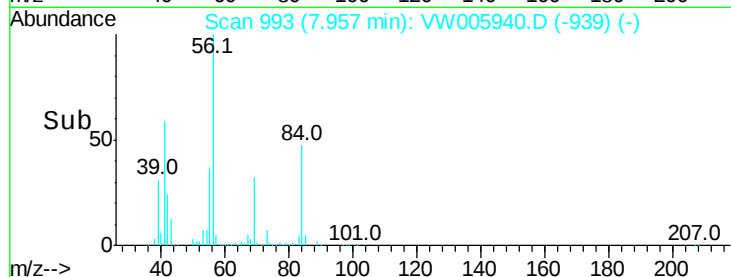
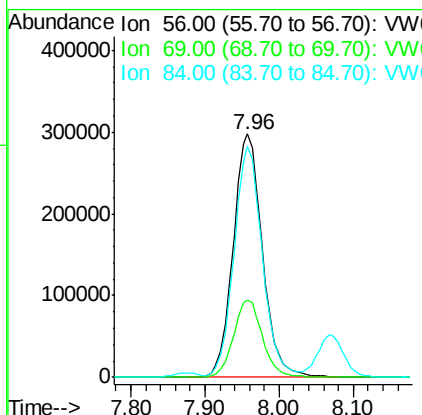
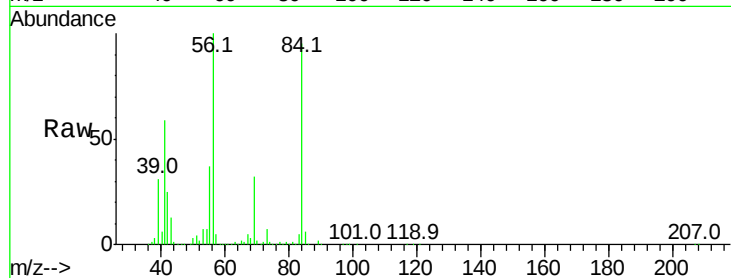




#30
Cyclohexane
Concen: 96.531 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

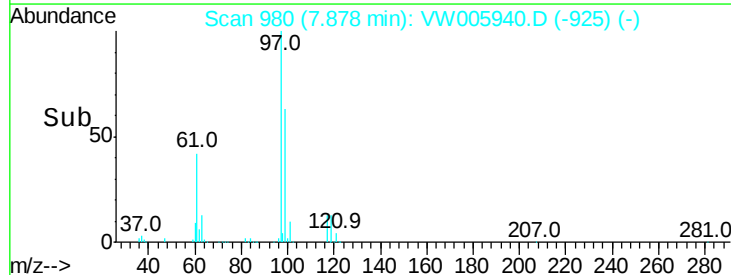
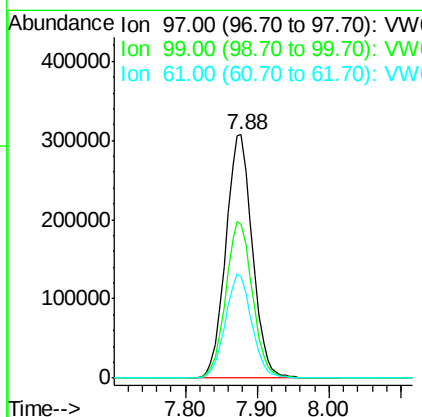
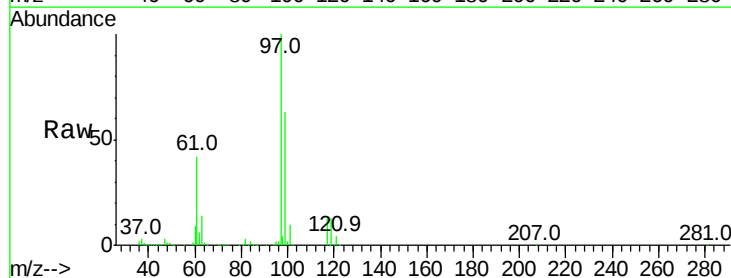
Instrument :
MSVOA_W
ClientSampleId :
VSTD10098

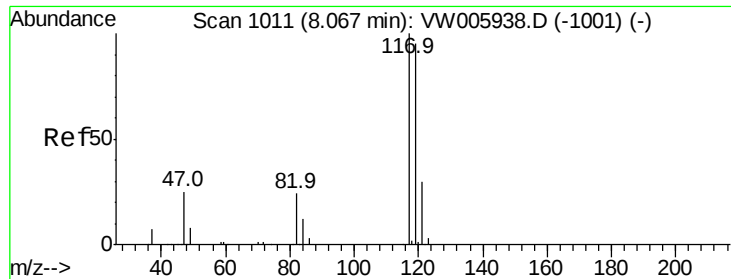
Tgt Ion: 56 Resp: 818437
Ion Ratio Lower Upper
56 100
69 31.5 25.4 38.0
84 92.0 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 86.282 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Tgt Ion: 97 Resp: 790399
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 42.6 33.6 50.4





#32

Carbon tetrachloride

Concen: 88.871 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

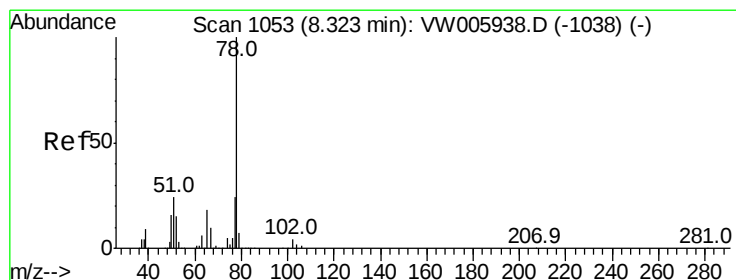
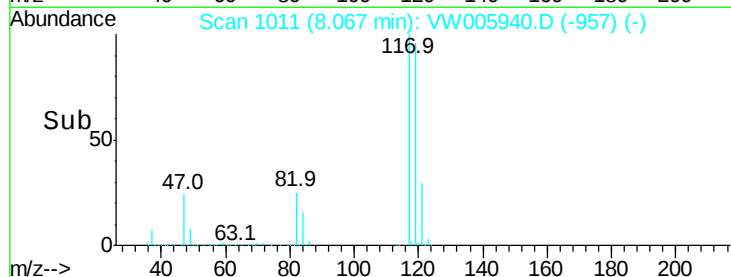
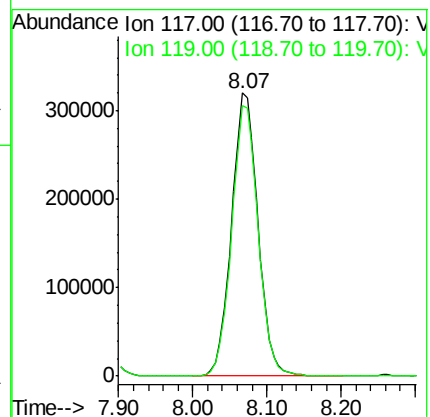
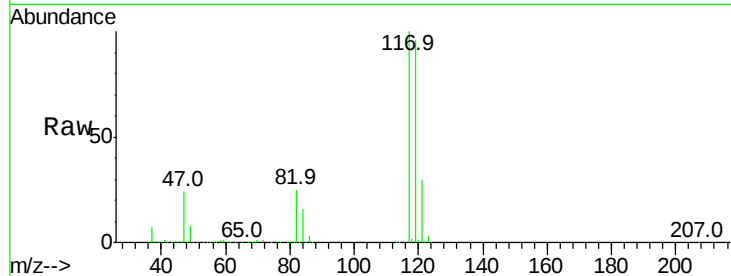
VSTD10098

Tgt Ion:117 Resp: 792790

Ion Ratio Lower Upper

117 100

119 96.0 76.9 115.3



#34

Benzene

Concen: 90.838 ug/L

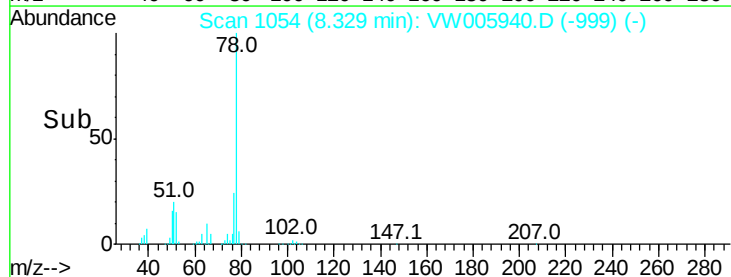
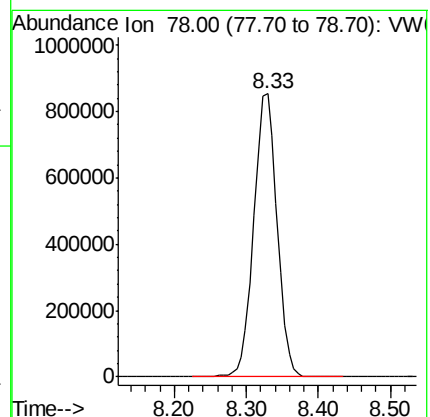
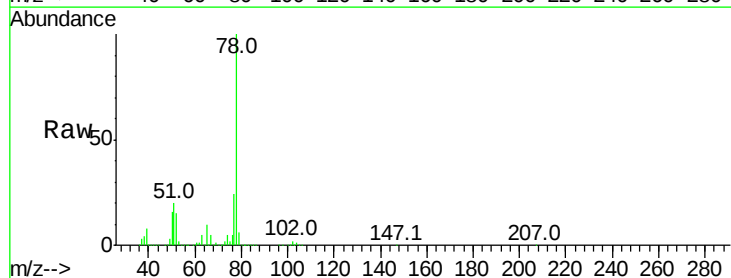
RT: 8.33 min Scan# 1054

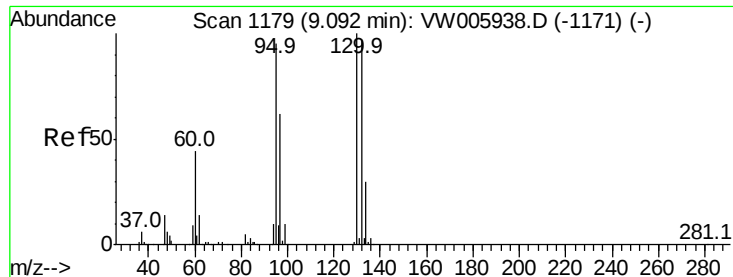
Delta R.T. 0.01 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Tgt Ion: 78 Resp: 1920026





#35

Trichloroethene

Concen: 97.167 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD10098

Tgt Ion: 95 Resp: 549449

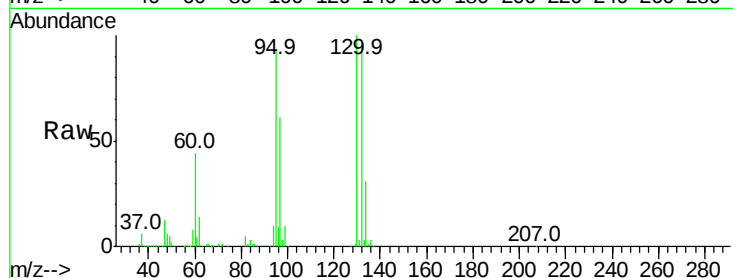
Ion Ratio Lower Upper

95 100

97 65.2 45.8 85.0

132 104.0 72.9 135.3

130 107.9 75.8 140.8

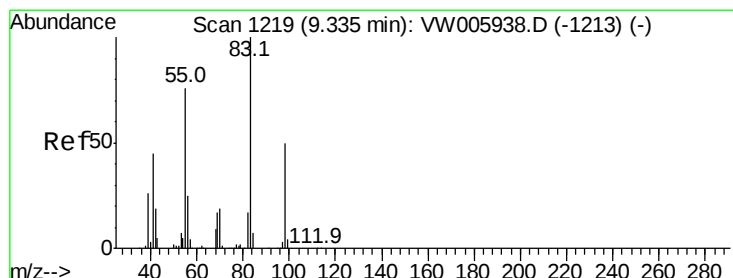
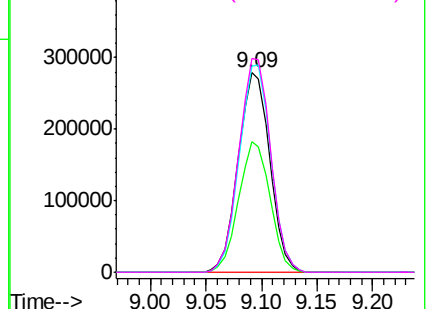
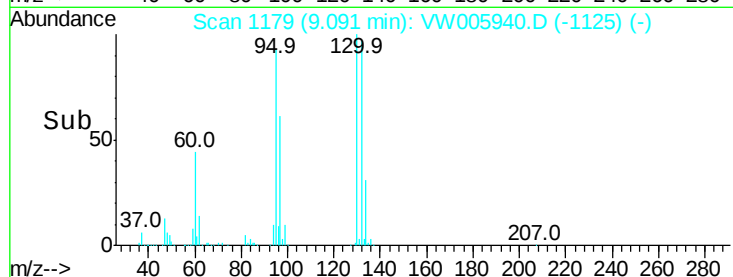


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 100.186 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

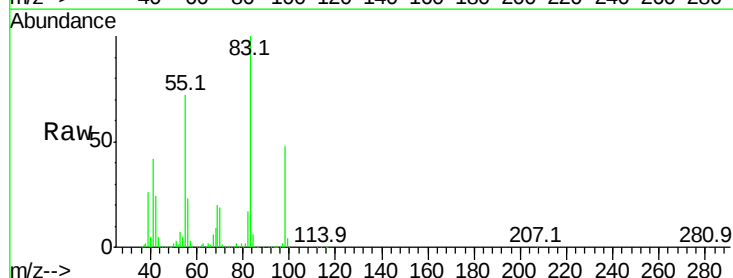
Tgt Ion: 83 Resp: 985109

Ion Ratio Lower Upper

83 100

55 71.4 57.1 85.7

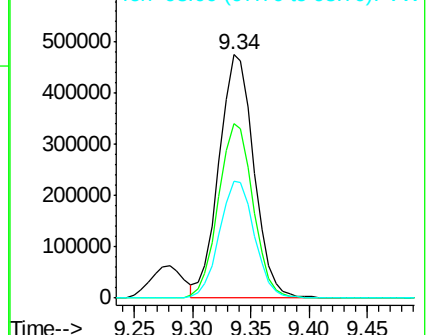
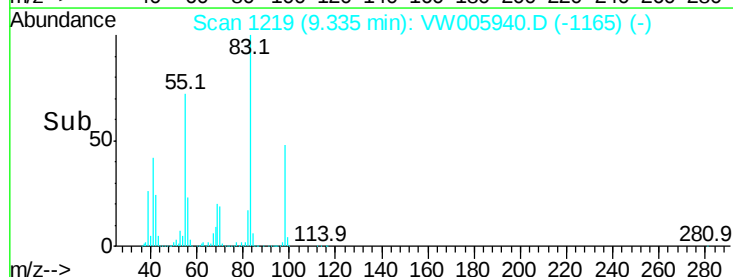
98 48.5 38.9 58.3

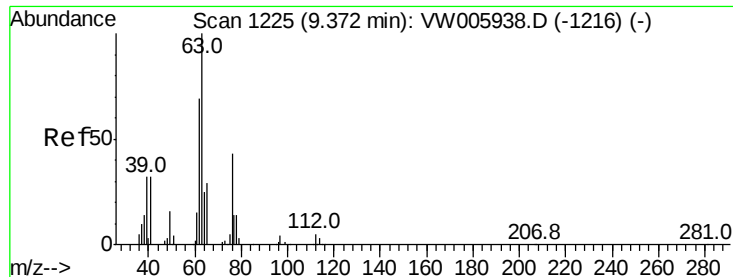


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 93.765 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampled :

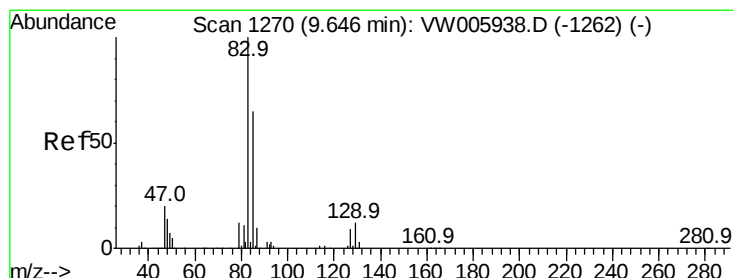
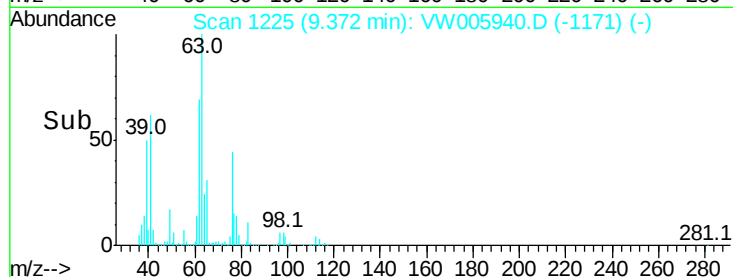
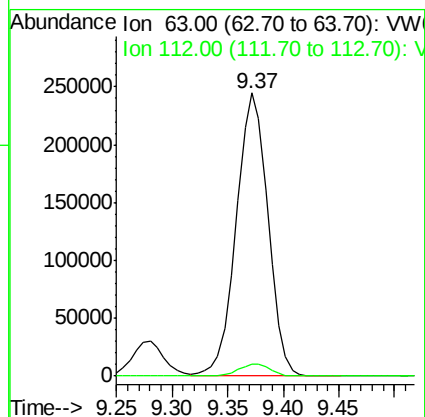
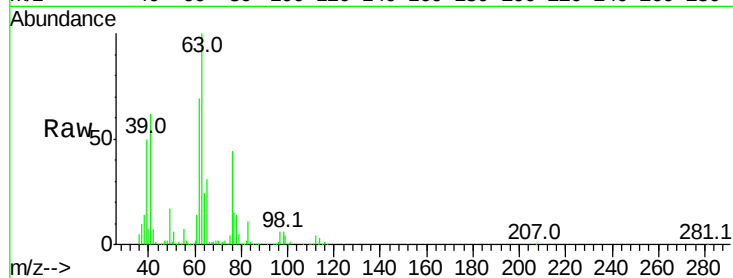
VSTD10098

Tgt Ion: 63 Resp: 482987

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#41

Bromodichloromethane

Concen: 94.139 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

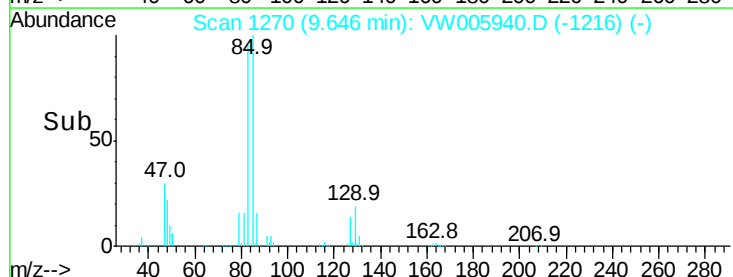
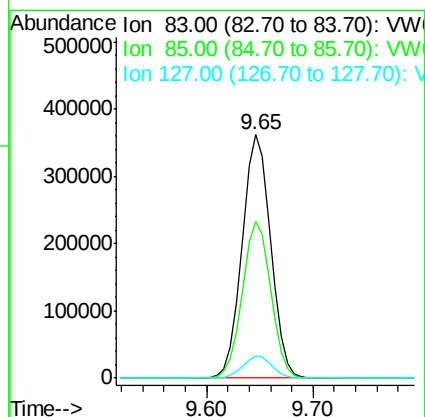
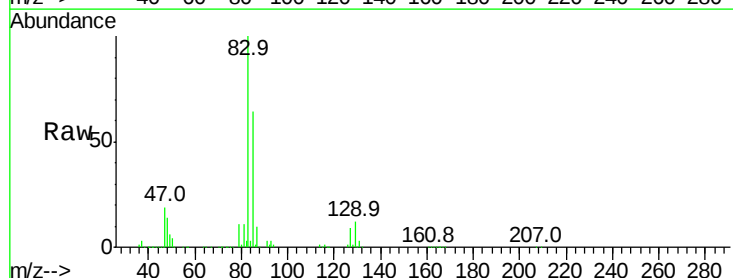
Tgt Ion: 83 Resp: 681776

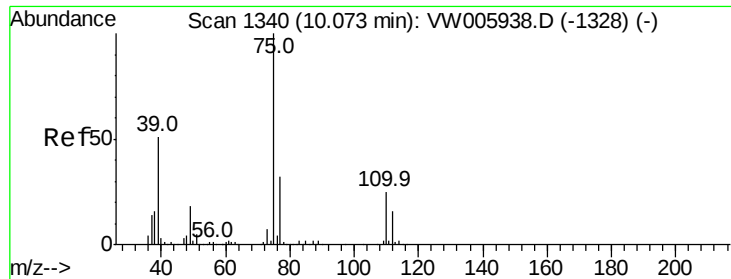
Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5

127 9.2 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 96.015 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

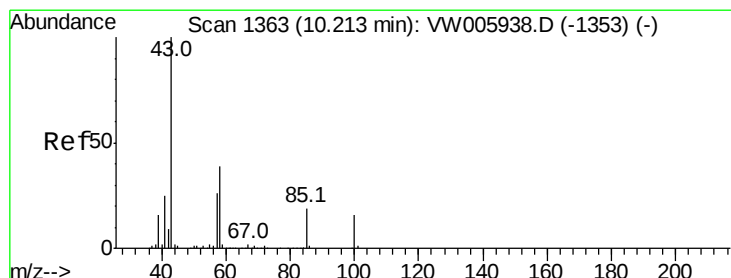
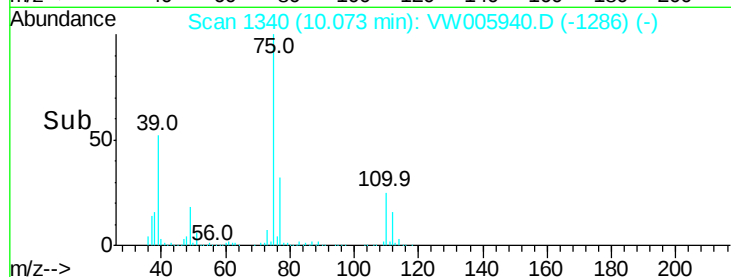
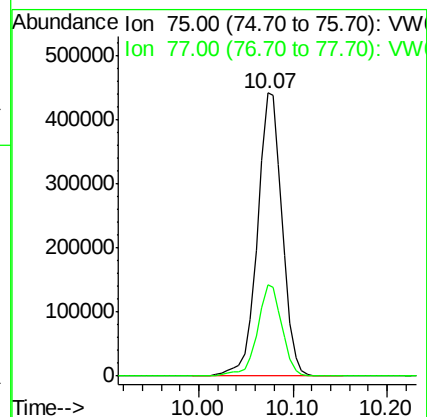
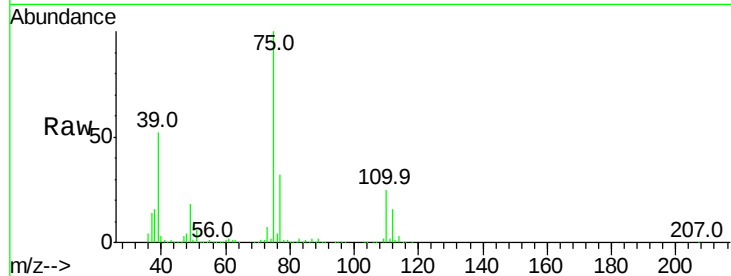
VSTD10098

Tgt Ion: 75 Resp: 816759

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 161.195 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

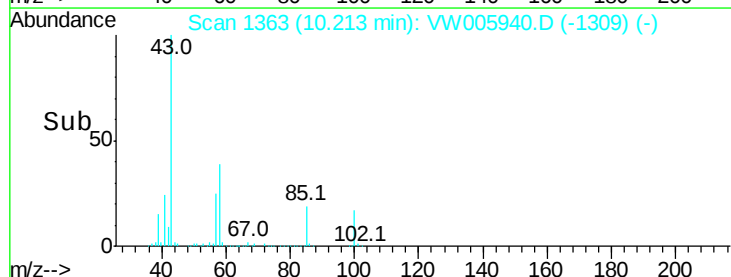
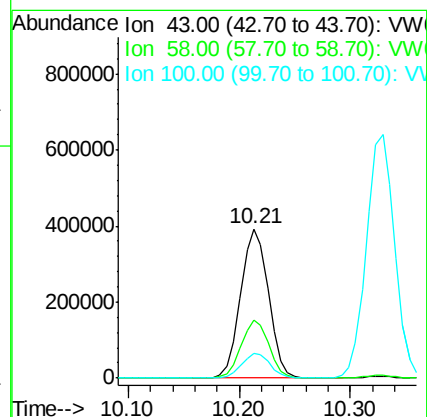
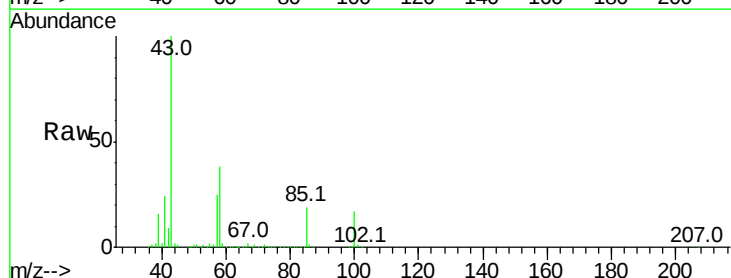
Tgt Ion: 43 Resp: 677604

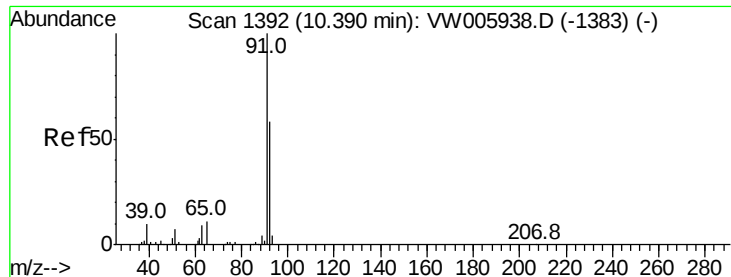
Ion Ratio Lower Upper

43 100

58 38.8 31.4 47.2

100 16.8 13.3 19.9





#44

Toluene

Concen: 93.246 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

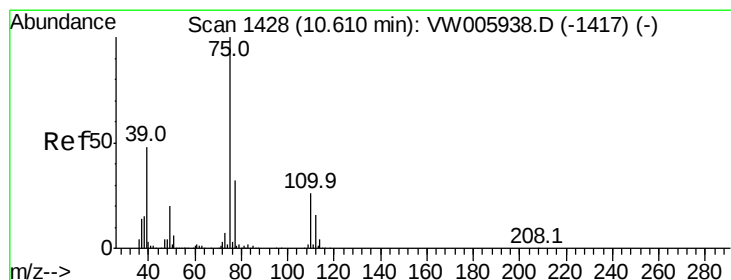
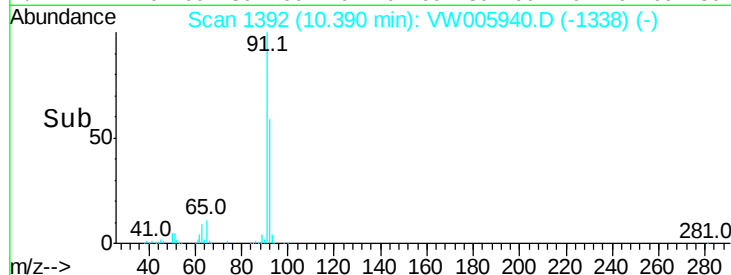
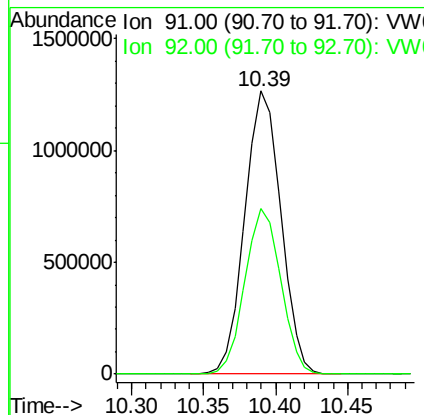
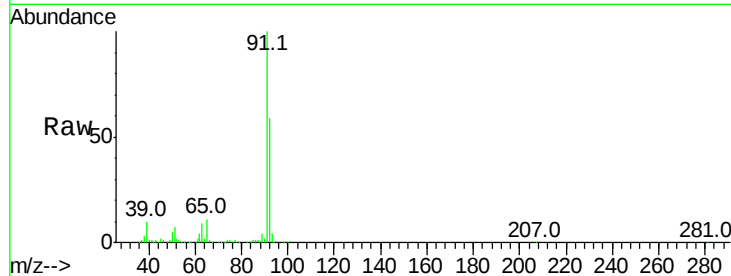
VSTD10098

Tgt Ion: 91 Resp: 2202494

Ion Ratio Lower Upper

91 100

92 58.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 91.151 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005940.D

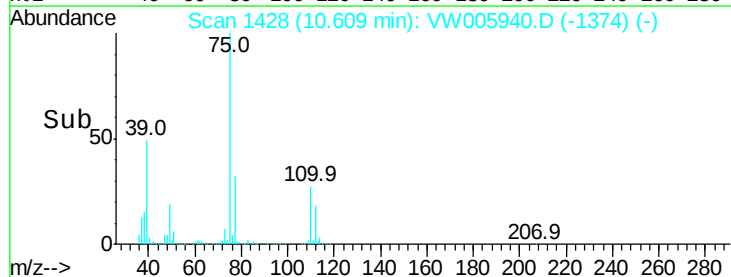
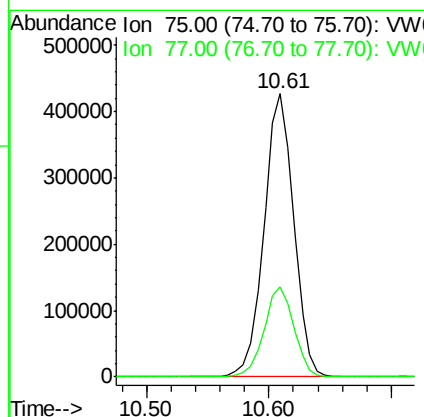
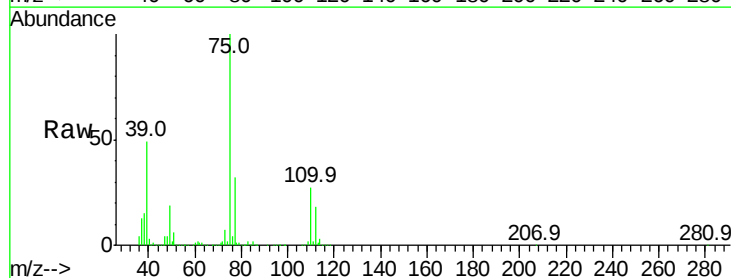
Acq: 09 Oct 2018 13:19

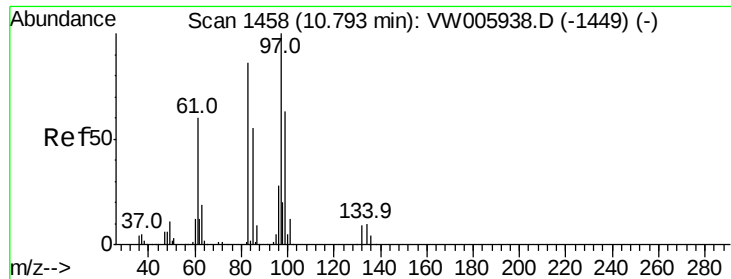
Tgt Ion: 75 Resp: 721994

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 91.530 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD10098

Tgt Ion: 97 Resp: 393423

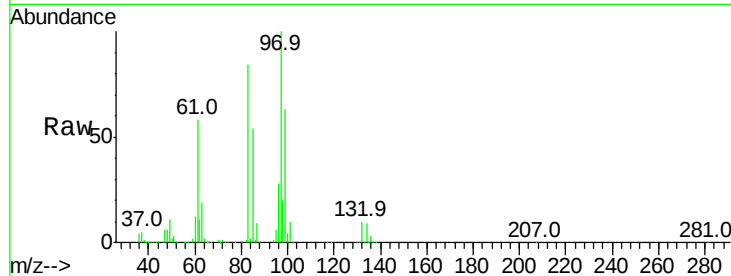
Ion Ratio Lower Upper

97 100

83 84.0 60.0 111.4

85 54.0 38.7 71.9

99 63.2 44.3 82.3

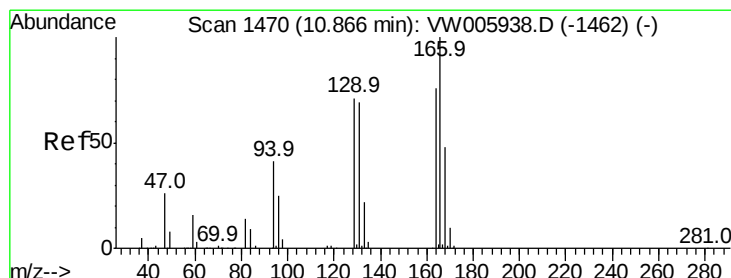
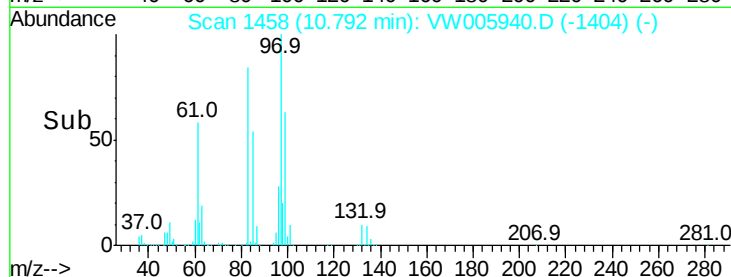
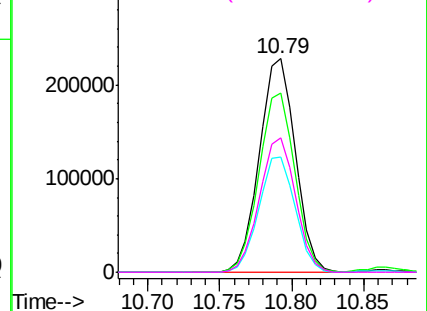


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 102.391 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Tgt Ion:164 Resp: 510092

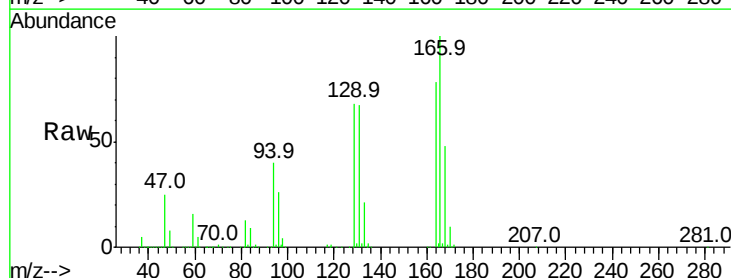
Ion Ratio Lower Upper

164 100

129 87.6 65.4 121.4

131 86.2 63.8 118.4

166 128.3 92.3 171.3

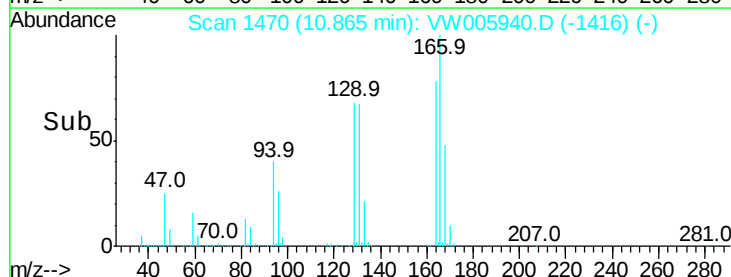
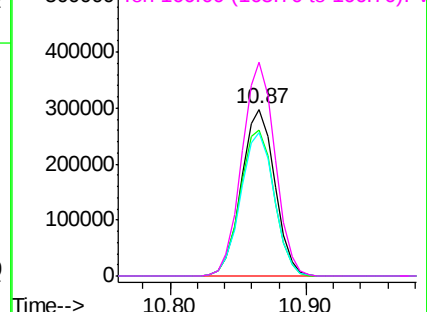


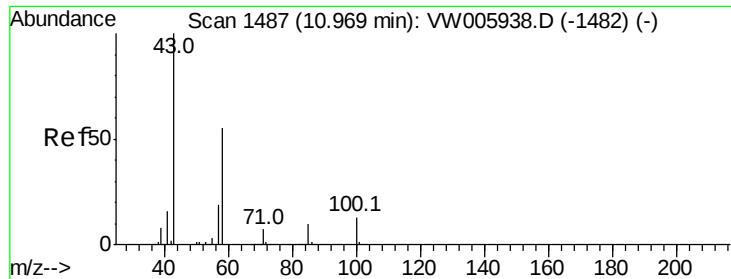
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 185.016 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD10098

Tgt Ion: 43 Resp: 545928

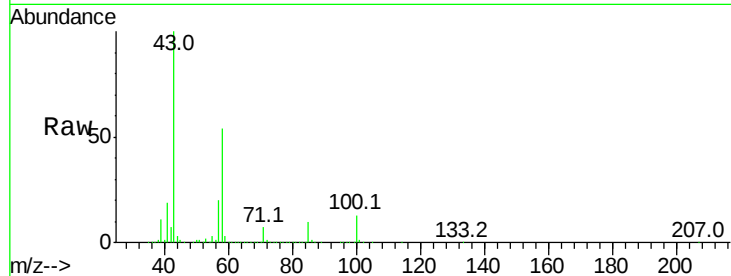
Ion Ratio Lower Upper

43 100

58 53.6 42.1 63.1

57 19.1 15.1 22.7

100 12.5 9.9 14.9

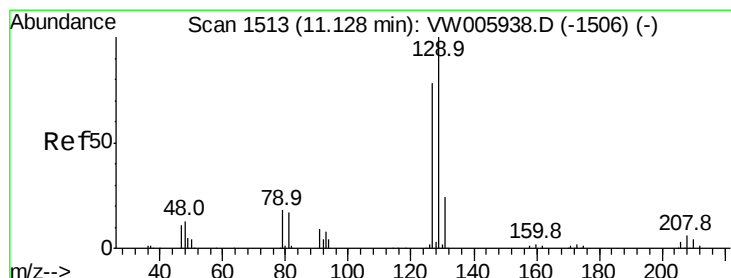
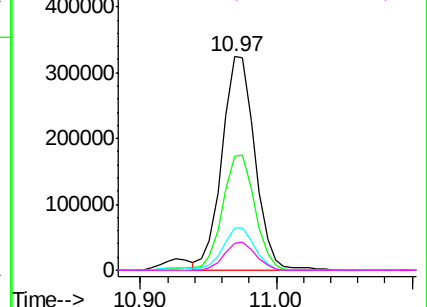
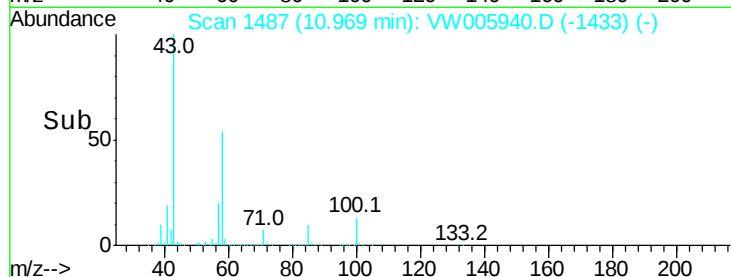


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 99.821 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW005940.D

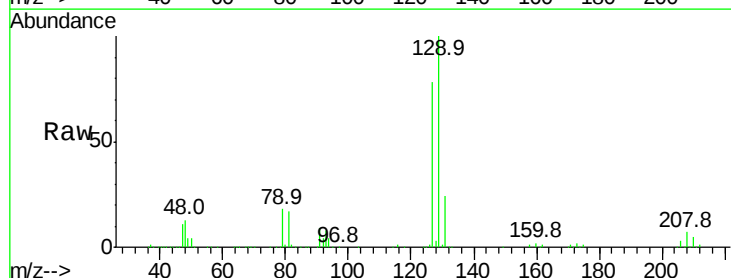
Acq: 09 Oct 2018 13:19

Tgt Ion: 129 Resp: 538106

Ion Ratio Lower Upper

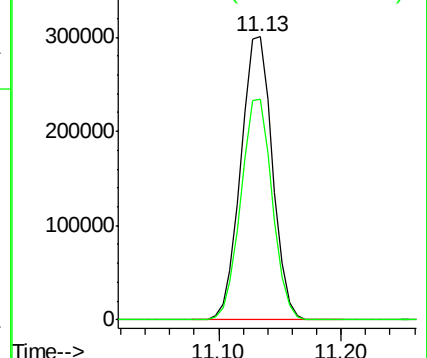
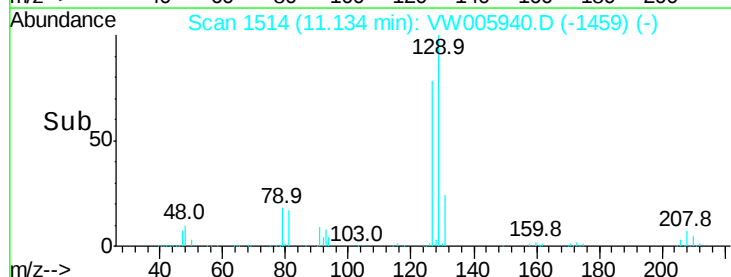
129 100

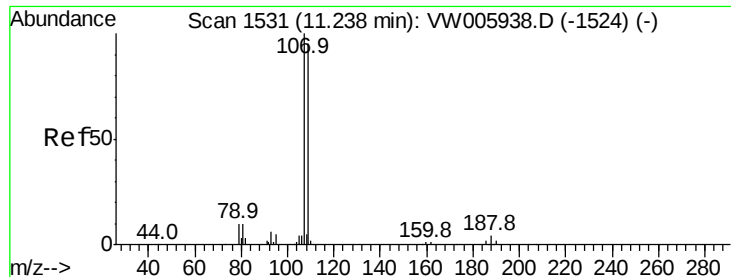
127 78.0 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

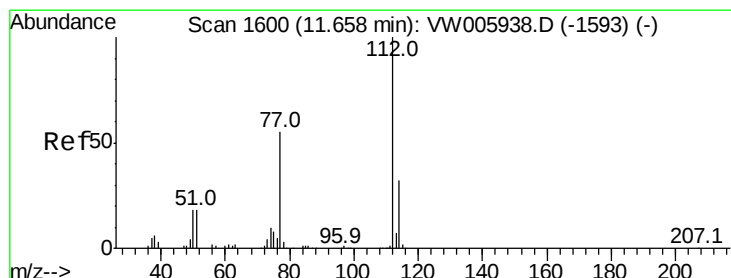
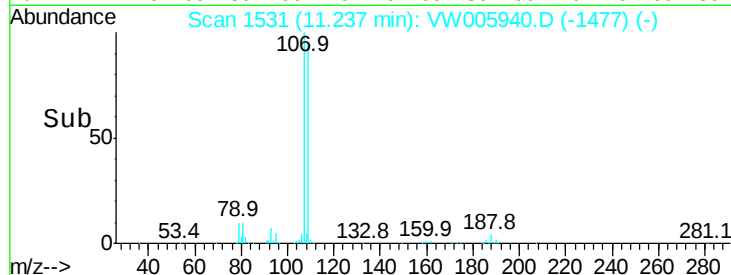
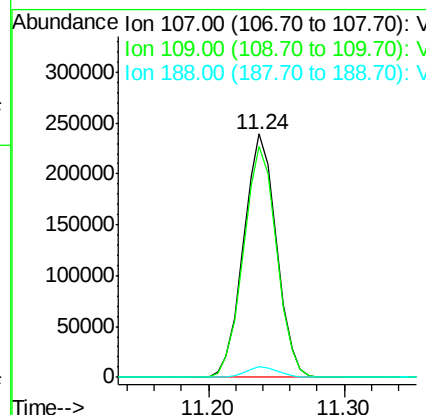
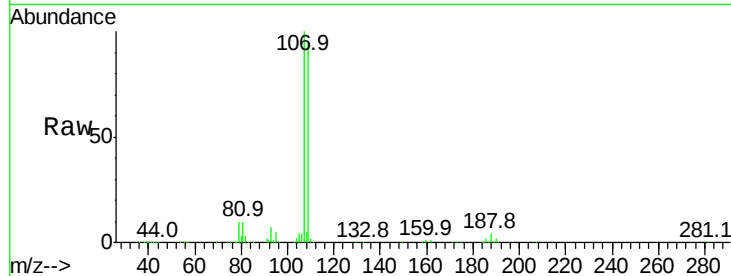




#51
 1,2-Dibromoethane
 Concen: 97.545 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

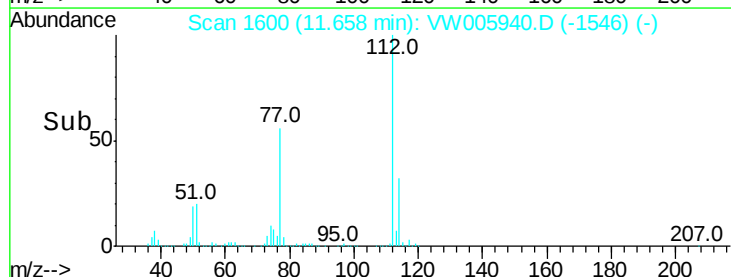
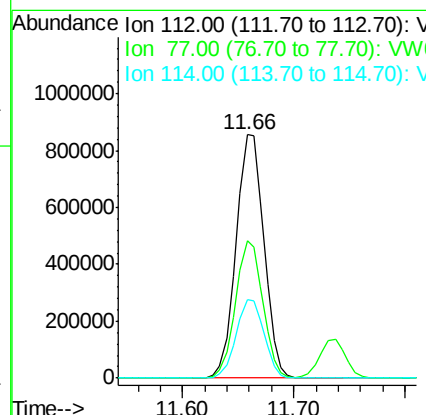
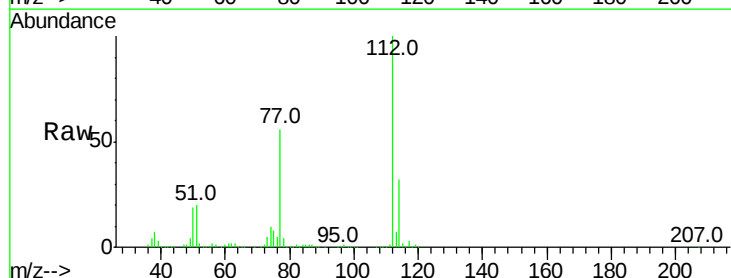
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10098

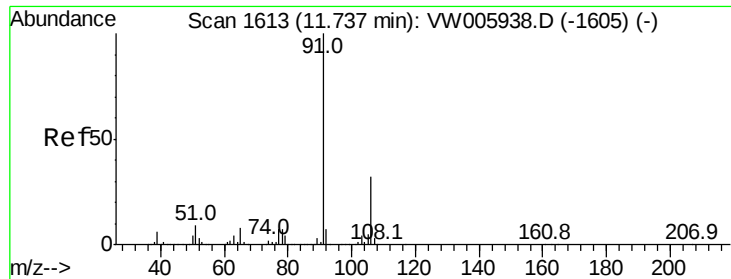
Tgt Ion:107 Resp: 405358
 Ion Ratio Lower Upper
 107 100
 109 94.7 66.6 123.8
 188 4.2 3.4 5.0



#52
 Chlorobenzene
 Concen: 95.163 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

Tgt Ion:112 Resp: 1478726
 Ion Ratio Lower Upper
 112 100
 77 56.2 44.2 66.2
 114 32.4 22.1 41.1

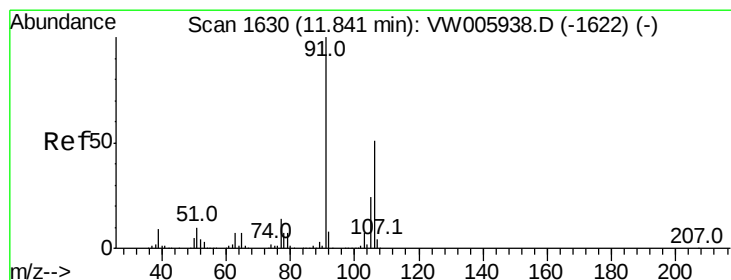
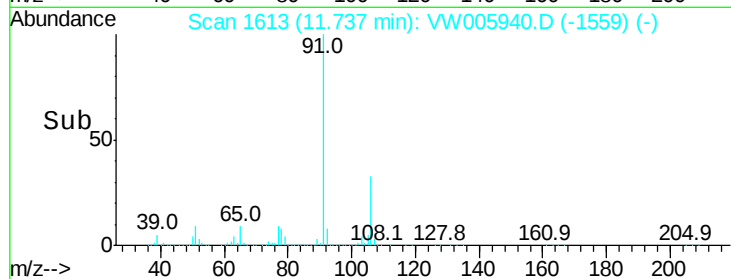
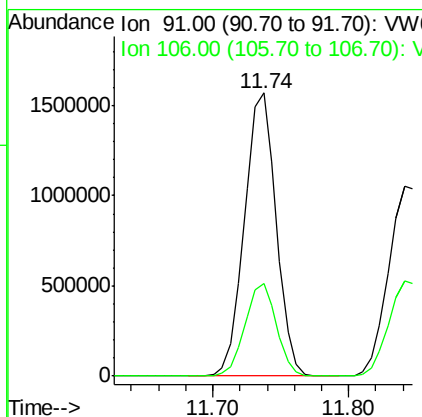
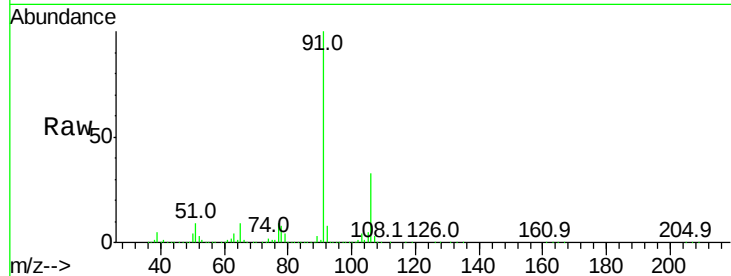




#53
Ethylbenzene
Concen: 94.677 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

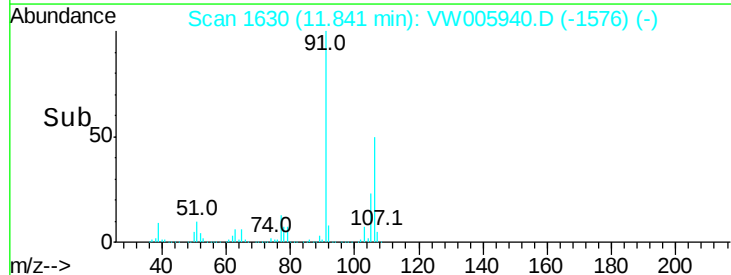
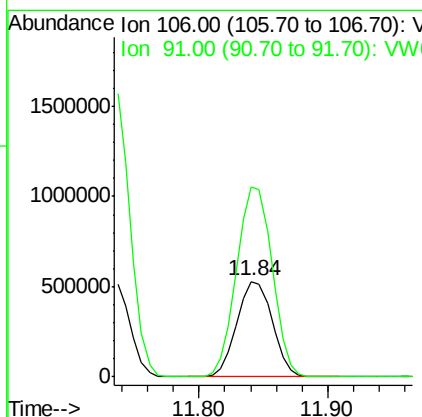
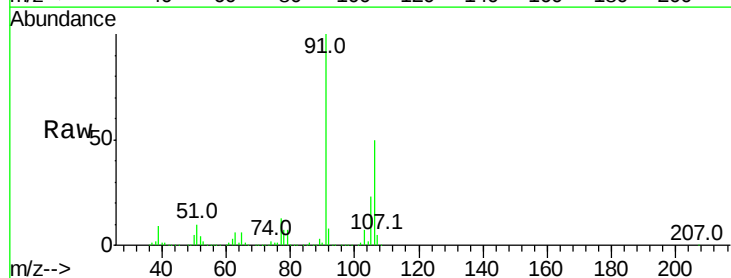
Instrument :
MSVOA_W
ClientSampleId :
VSTD10098

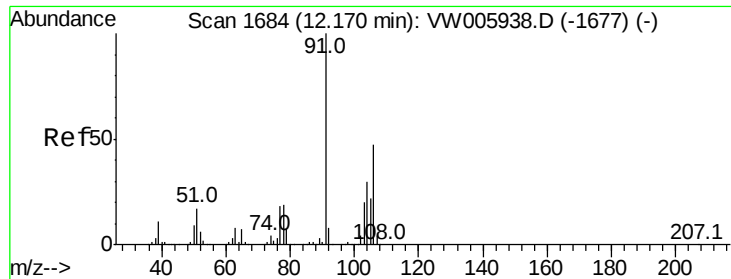
Tgt Ion: 91 Resp: 2560518
Ion Ratio Lower Upper
91 100
106 32.9 22.6 42.0



#54
m,p-Xylene
Concen: 99.538 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Tgt Ion: 106 Resp: 1014189
Ion Ratio Lower Upper
106 100
91 198.3 138.4 257.0

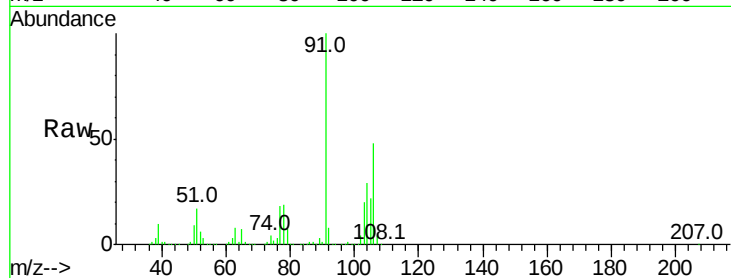




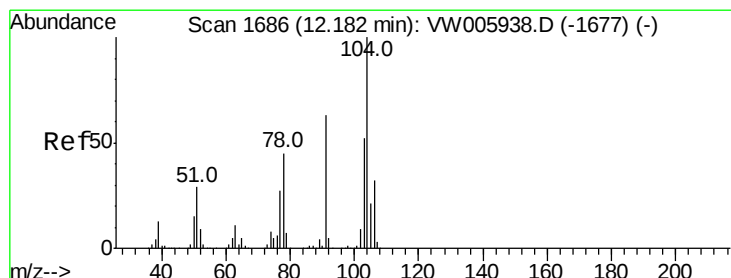
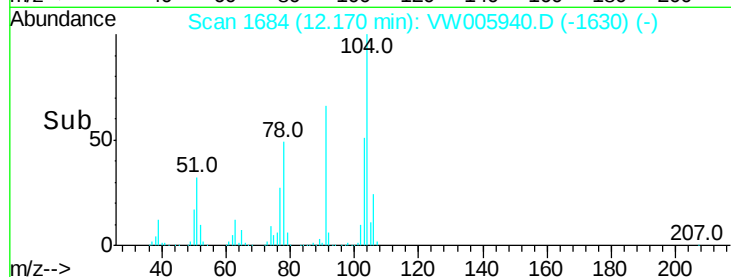
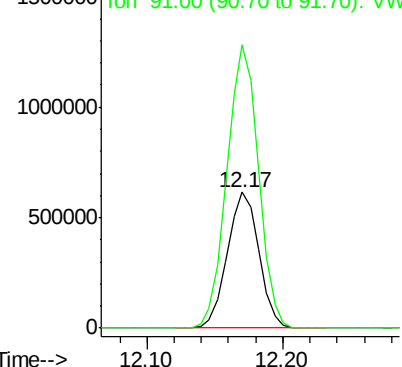
#55
o-xylene
Concen: 103.868 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTD10098

Tgt Ion:106 Resp: 997503
Ion Ratio Lower Upper
106 100
91 208.6 148.7 276.1

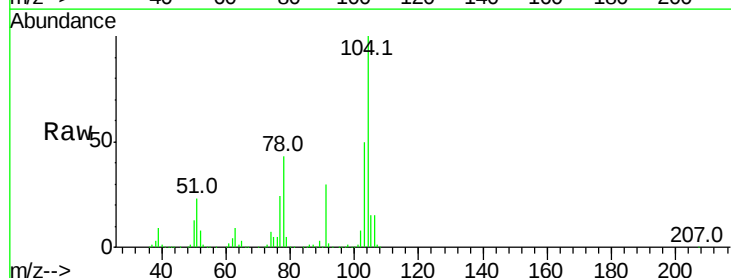


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

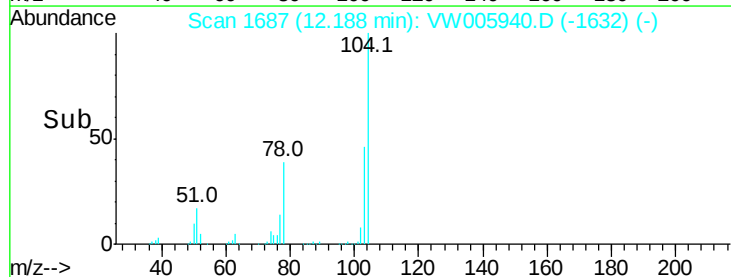
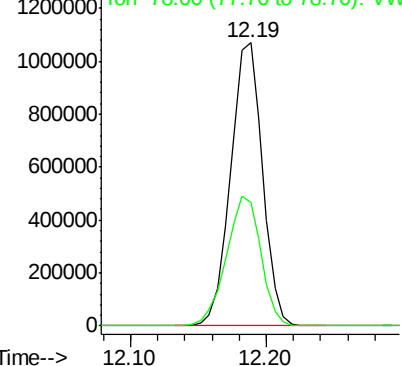


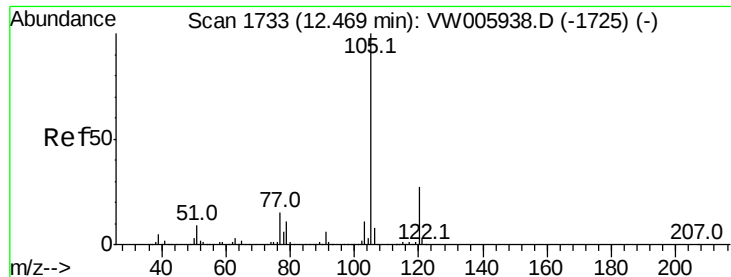
#56
Styrene
Concen: 104.225 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW005940.D
Acq: 09 Oct 2018 13:19

Tgt Ion:104 Resp: 1756543
Ion Ratio Lower Upper
104 100
78 43.4 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 99.898 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD10098

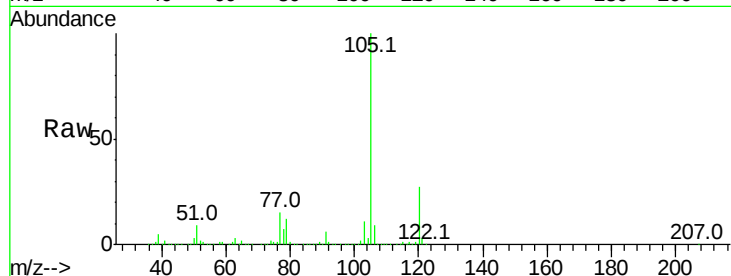
Tgt Ion:105 Resp: 2740252

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.6

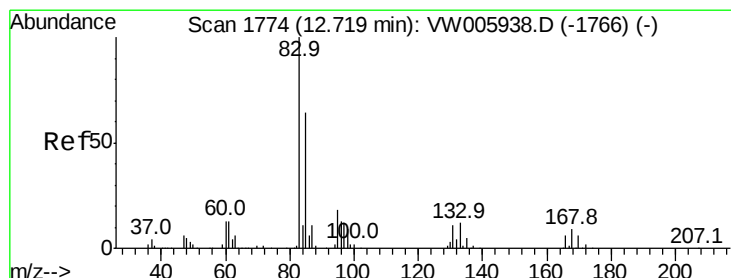
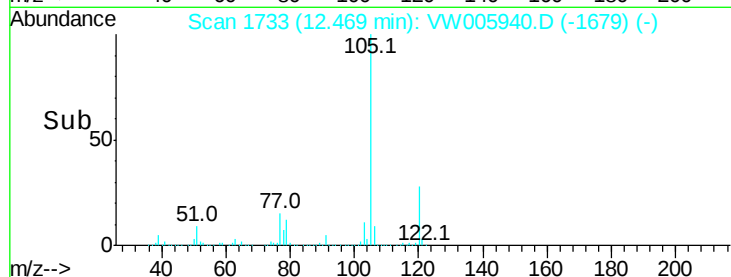
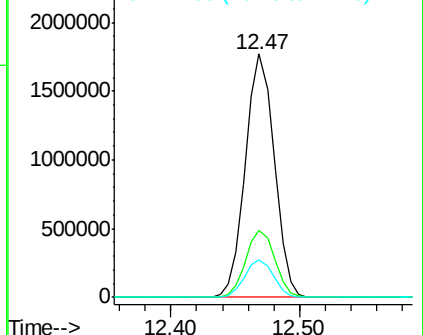
77 15.4 12.2 18.2



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: 90.272 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

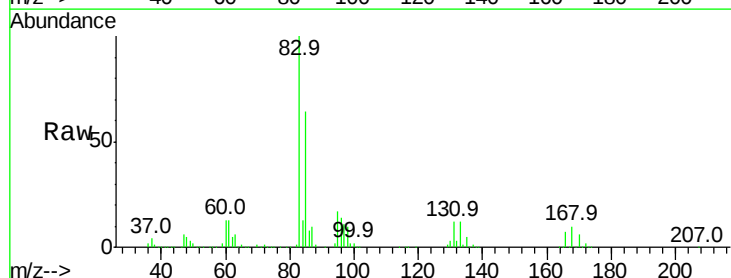
Tgt Ion: 83 Resp: 494983

Ion Ratio Lower Upper

83 100

85 64.2 44.8 83.2

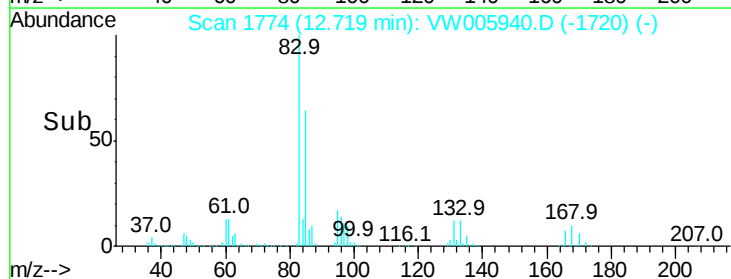
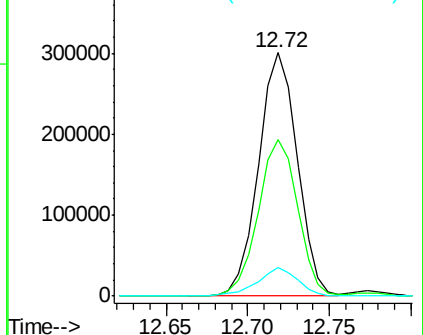
131 11.8 9.0 13.4

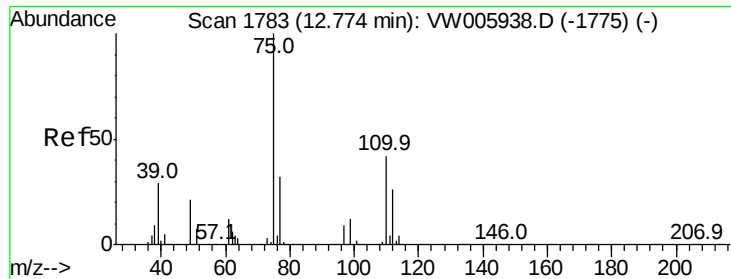


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 81.827 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

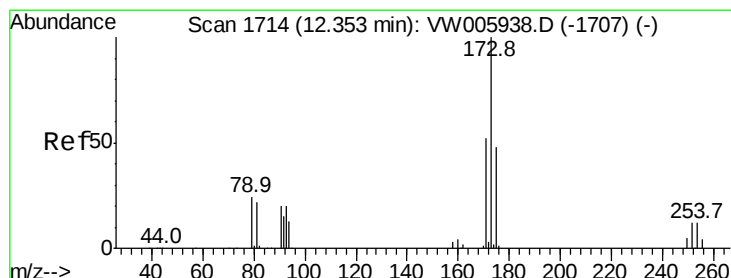
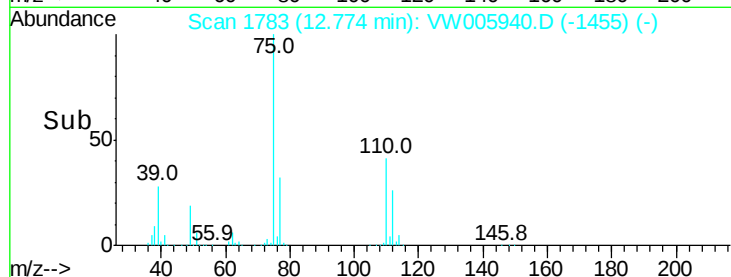
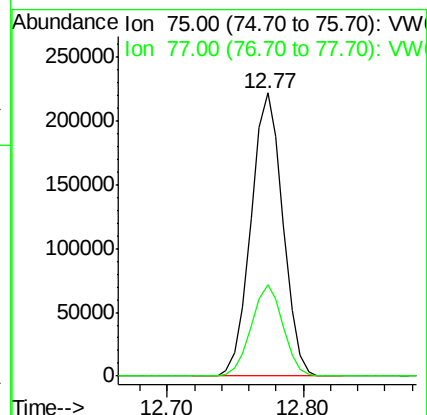
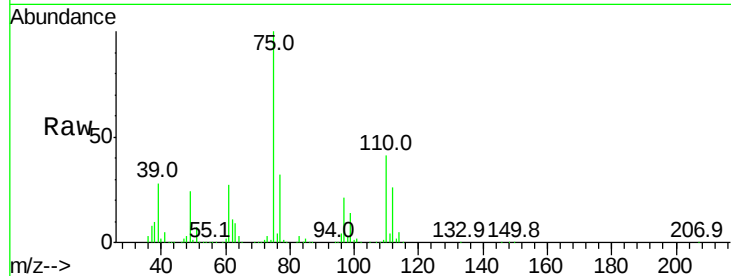
VSTD10098

Tgt Ion: 75 Resp: 364216

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 101.198 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

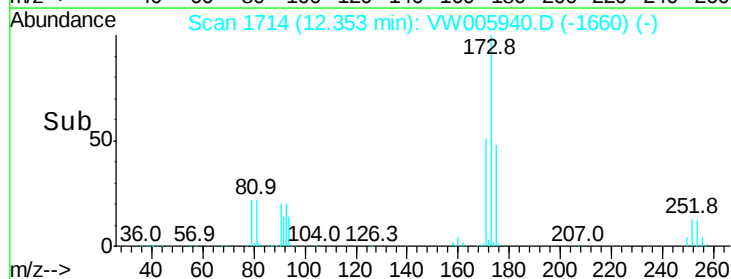
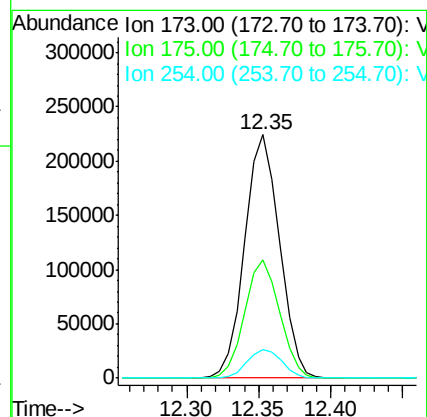
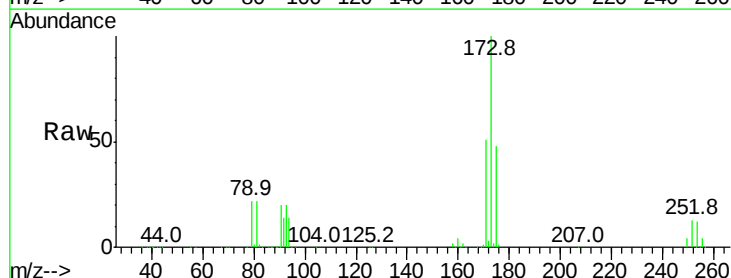
Tgt Ion: 173 Resp: 375576

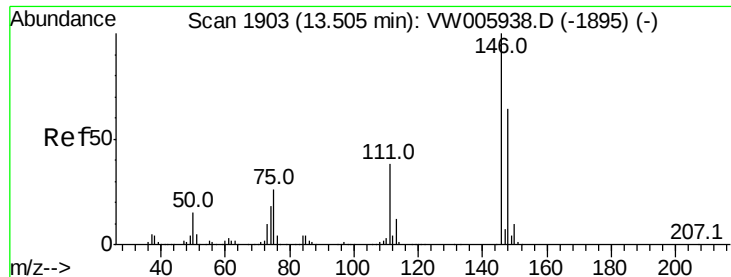
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 11.9 9.2 13.8

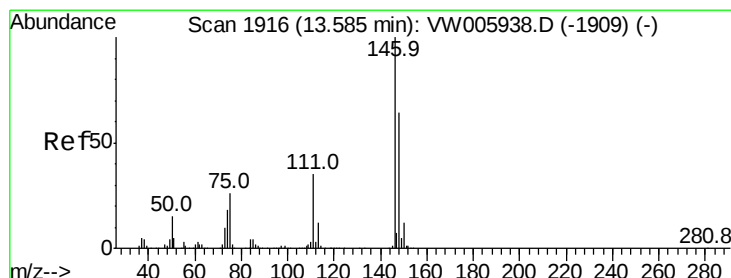
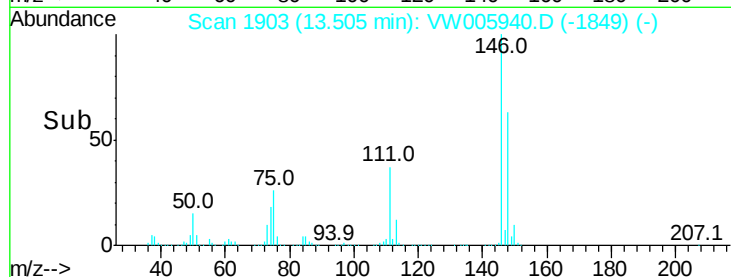
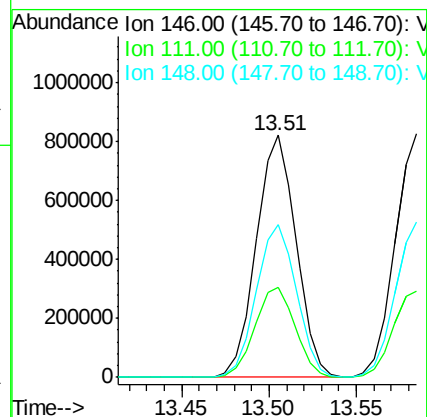
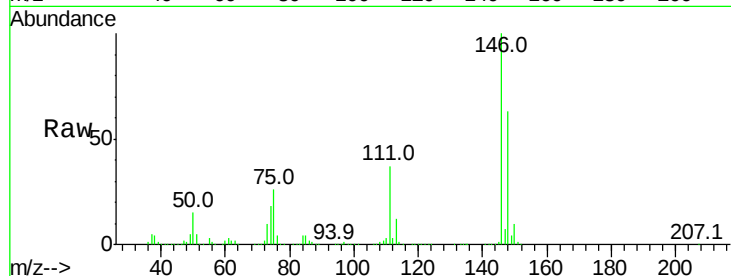




#63
 1,3-Dichlorobenzene
 Concen: 98.001 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

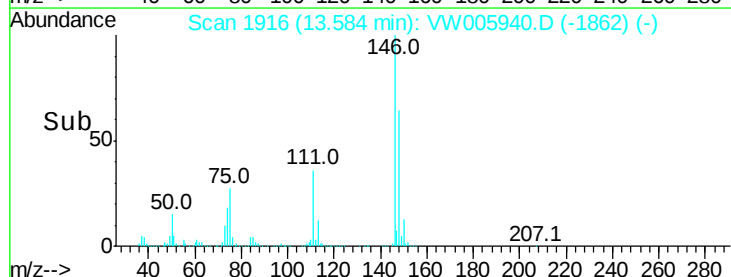
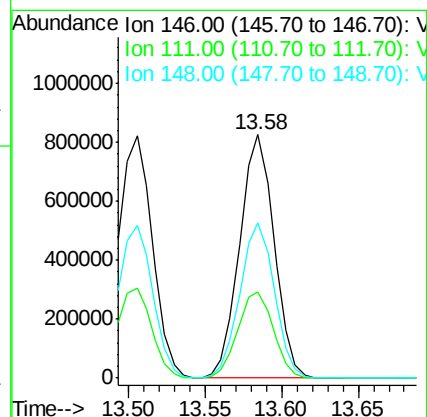
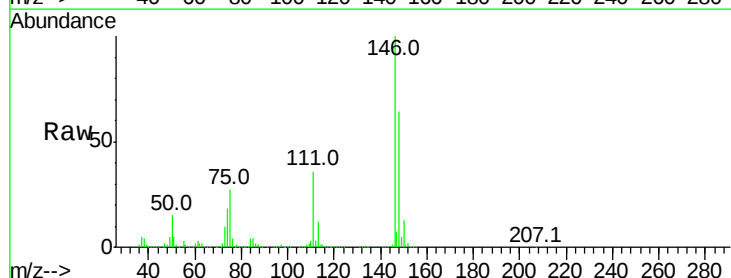
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10098

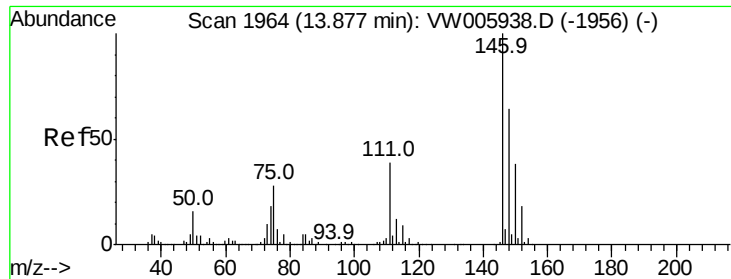
Tgt Ion:146 Resp: 1299191
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.3 48.9
 148 62.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 93.544 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

Tgt Ion:146 Resp: 1295055
 Ion Ratio Lower Upper
 146 100
 111 35.6 24.7 45.9
 148 63.9 44.9 83.5

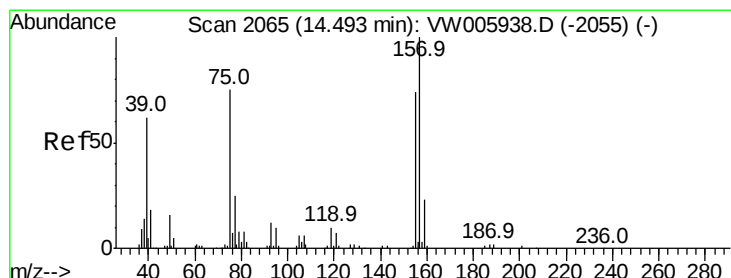
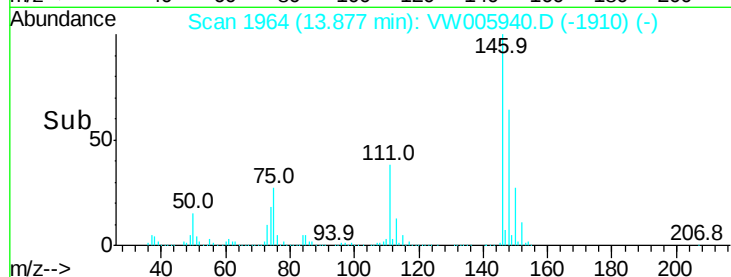
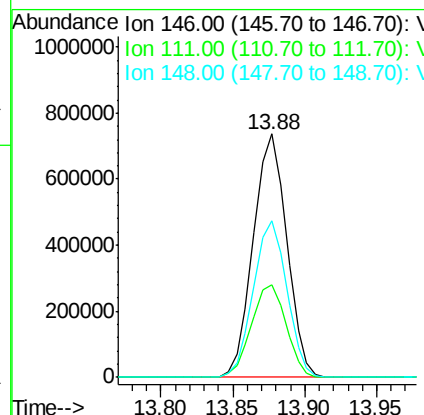
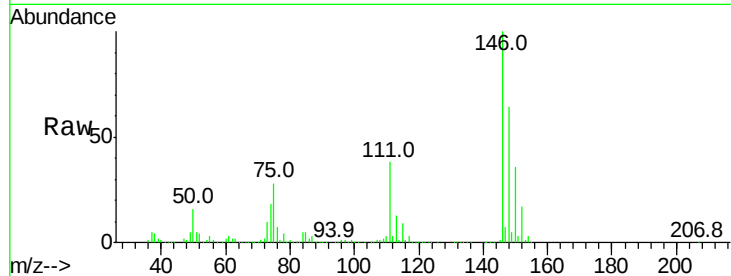




#65
 1,2-Dichlorobenzene
 Concen: 93.177 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

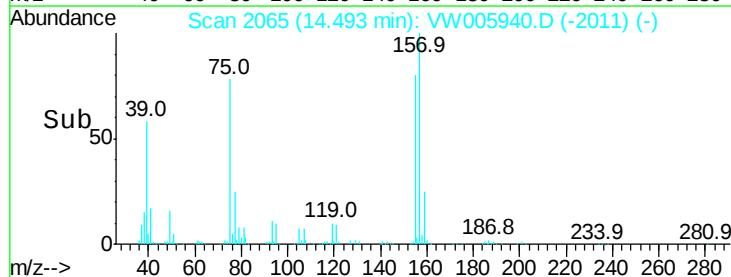
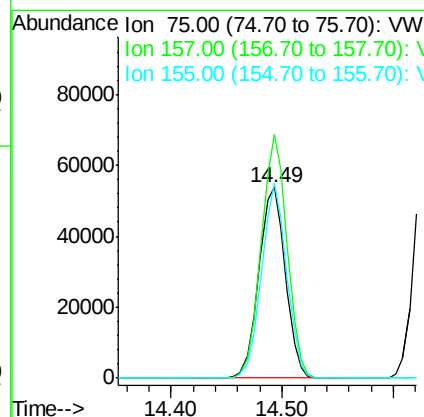
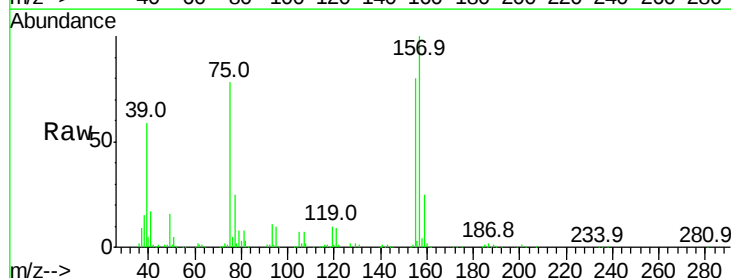
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10098

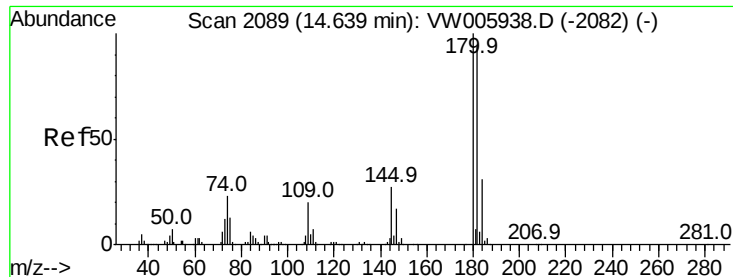
Tgt Ion:146 Resp: 1188572
 Ion Ratio Lower Upper
 146 100
 111 37.9 31.1 46.7
 148 64.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 73.541 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

Tgt Ion: 75 Resp: 89196
 Ion Ratio Lower Upper
 75 100
 157 127.7 106.8 160.2
 155 102.5 79.2 118.8

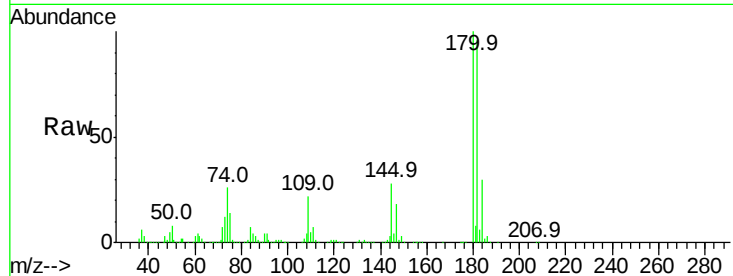




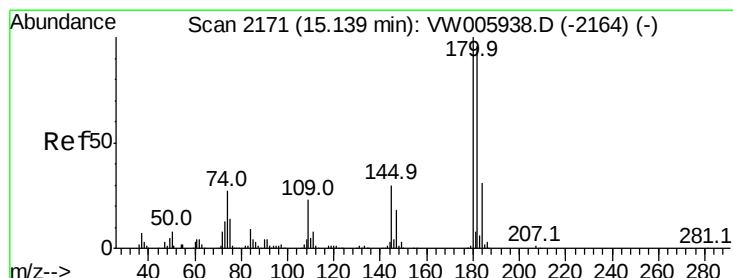
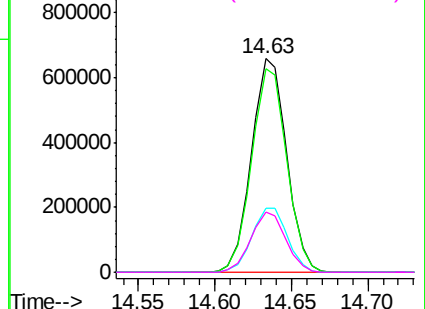
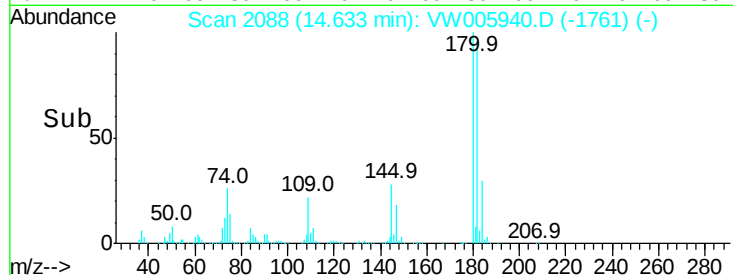
#67
 1,3,5-Trichlorobenzene
 Concen: 96.775 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10098

Tgt Ion:180 Resp: 1052943
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.0 114.0
 184 30.5 24.3 36.5
 145 27.9 22.6 33.8

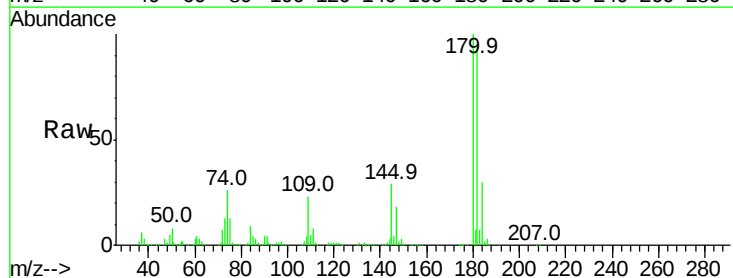


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

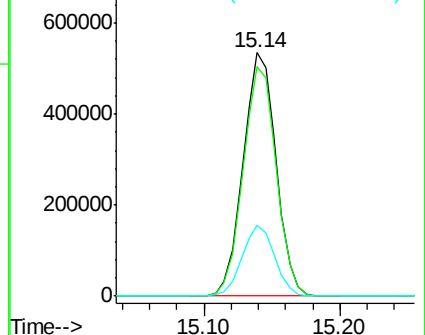
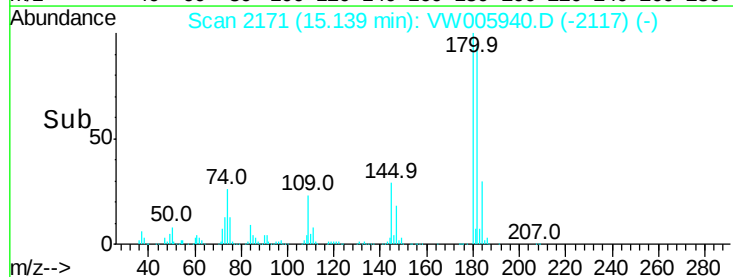


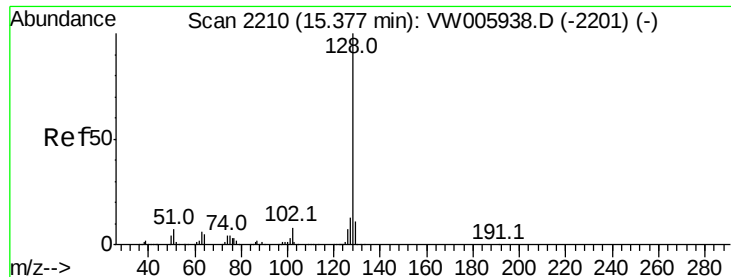
#68
 1,2,4-trichlorobenzene
 Concen: 100.699 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005940.D
 Acq: 09 Oct 2018 13:19

Tgt Ion:180 Resp: 900034
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 145 28.8 23.0 34.6



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





#69

Naphthalene

Concen: 95.754 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD10098

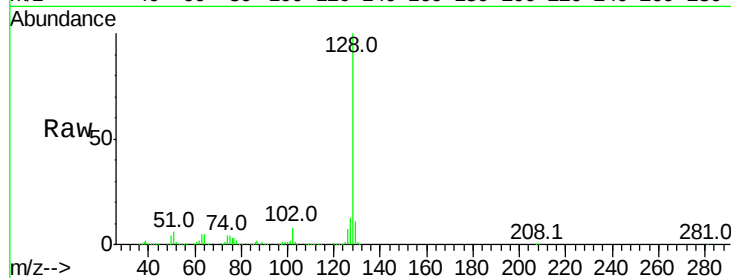
Tgt Ion:128 Resp: 1714866

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

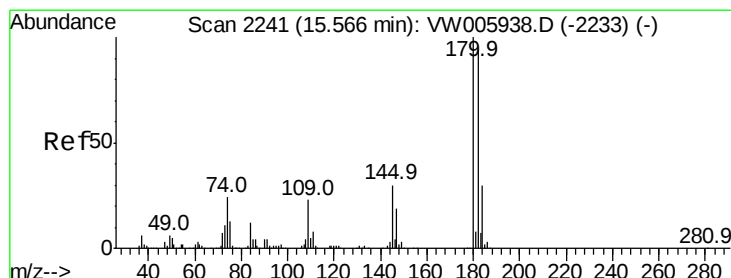
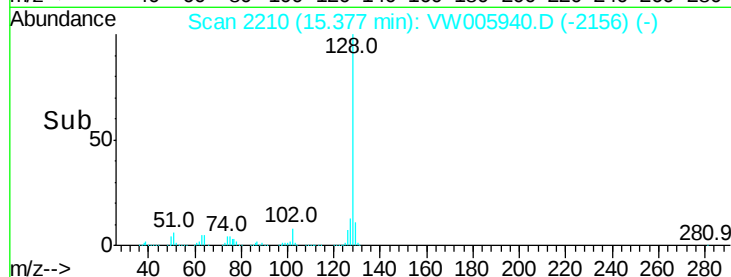
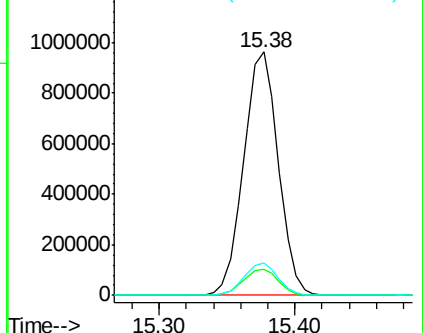
127 13.1 10.5 15.7



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: 96.904 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005940.D

Acq: 09 Oct 2018 13:19

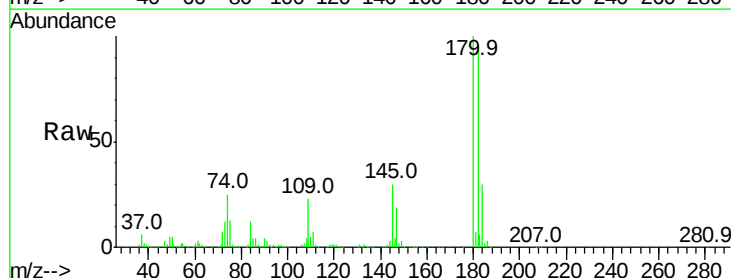
Tgt Ion:180 Resp: 811740

Ion Ratio Lower Upper

180 100

182 95.5 75.5 113.3

145 30.5 24.5 36.7



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

