

Data File : VW004886.D
Acq On : 22 Aug 2018 16:03
Operator : SY/AP
Sample : VSTD00582
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Quant Time: Aug 22 17:00:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 22 17:00:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	619332	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	683764	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	344484	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	68250	8.86	ug/L	0.00
7) Chloroethane-d5	2.89	69	49294	7.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	78970	5.05	ug/L	0.00
20) 2-Butanone-d5	7.10	46	22782	6.71	ug/L	0.00
24) Chloroform-d	7.66	84	75951	4.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	41256	4.41	ug/L	0.00
29) Benzene-d6	8.28	84	162791	4.48	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	47790	4.02	ug/L	0.00
37) Toluene-d8	10.33	98	175807	5.48	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	19164	3.92	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	19723	6.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	47730	3.70	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	69530	5.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	64676	10.044 ug/L	99
3) Chloromethane	2.21	50	71626	8.421 ug/L	94
5) Vinyl chloride	2.36	62	72746	6.554 ug/L	97
6) Bromomethane	2.78	94	38660	6.023 ug/L	99
8) Chloroethane	2.92	64	40262	6.047 ug/L	100
9) Trichlorofluoromethane	3.26	101	72805	14.381 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	45000	5.119 ug/L	100
12) 1,1-Dichloroethene	4.05	96	37364	4.351 ug/L	88
13) Acetone	4.15	43	9522	3.236 ug/L	42
14) Carbon disulfide	4.39	76	157504	5.979 ug/L	99
15) Methyl Acetate	4.68	43	21905	3.652 ug/L #	86
16) Methylene chloride	4.93	84	69372	5.639 ug/L	97
17) Methyl tert-butyl Ether	5.44	73	75967	6.535 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	40560	4.618 ug/L	97
19) 1,1-Dichloroethane	6.23	63	74868	4.493 ug/L	98
21) 2-Butanone	7.18	43	28389	7.048 ug/L	93
22) cis-1,2-Dichloroethene	7.18	96	44067	4.597 ug/L	94
23) Bromochloromethane	7.52	128	22601	4.926 ug/L	94
25) Chloroform	7.68	83	77693	4.567 ug/L	99
27) 1,2-Dichloroethane	8.41	62	50415	4.412 ug/L	99
30) Cyclohexane	7.96	56	60158	3.720 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	66337	4.566 ug/L	99
32) Carbon tetrachloride	8.07	117	58561	4.183 ug/L	98
34) Benzene	8.33	78	183451	4.352 ug/L	100
35) Trichloroethene	9.10	95	45799	4.319 ug/L	99
36) Methylcyclohexane	9.34	83	76221	4.095 ug/L	96
40) 1,2-Dichloropropane	9.38	63	46734	4.186 ug/L #	97
41) Bromodichloromethane	9.65	83	52348	3.903 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	56864	3.723 ug/L	95
43) 4-Methyl-2-pentanone	10.22	43	56845	6.790 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	227923	5.372	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	52626	3.833	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	35338	4.071	ug/L	97
47) Tetrachloroethene	10.87	164	47676	5.682	ug/L	96
49) 2-Hexanone	10.98	43	45779	7.277	ug/L	96
50) Dibromochloromethane	11.13	129	38640	4.013	ug/L	99
51) 1,2-Dibromoethane	11.24	107	33452	4.020	ug/L	98
52) Chlorobenzene	11.66	112	159077	5.545	ug/L	98
53) Ethylbenzene	11.74	91	251513	5.276	ug/L	98
54) m,p-Xylene	11.85	106	99306	5.583	ug/L	98
55) o-xylene	12.17	106	91075	5.404	ug/L	94
56) Styrene	12.19	104	154918	5.275	ug/L	99
57) Isopropylbenzene	12.47	105	241343	5.291	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	49604	3.937	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	39160	4.162	ug/L	99
62) Bromoform	12.36	173	25129	4.014	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	119950	5.596	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	128033	5.558	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	115597	5.382	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	9323	4.226	ug/L	90
67) 1,3,5-Trichlorobenzene	14.64	180	97934	5.763	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	75662	5.504	ug/L	99
69) Naphthalene	15.38	128	130466	4.162	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	73020	5.454	ug/L	99

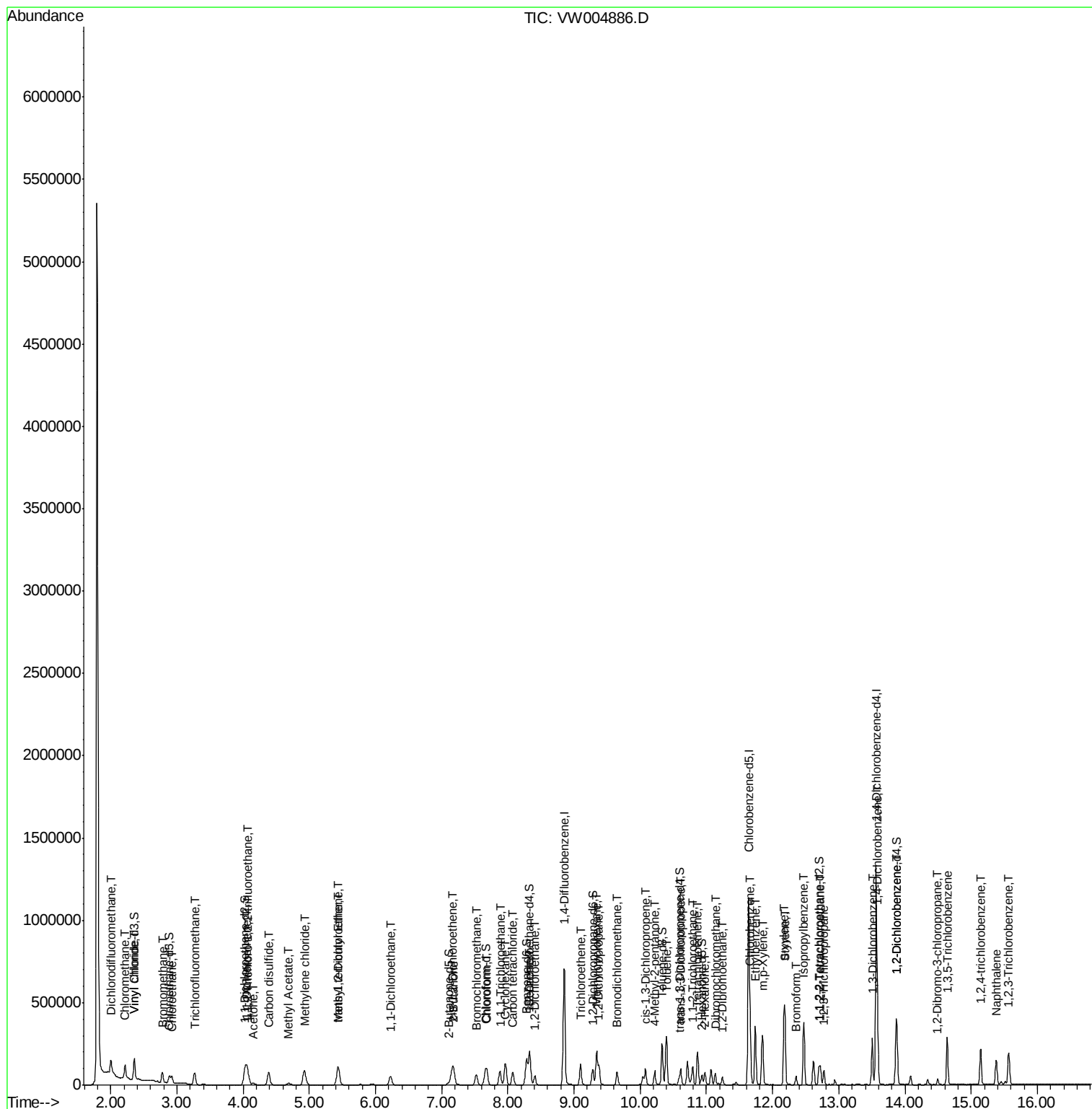
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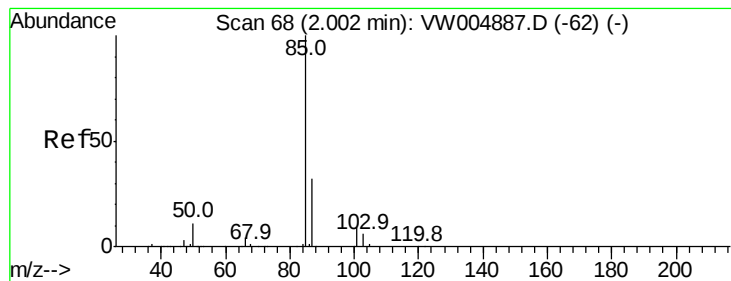
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#2

Dichlorodifluoromethane

Concen: 10.044 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

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Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

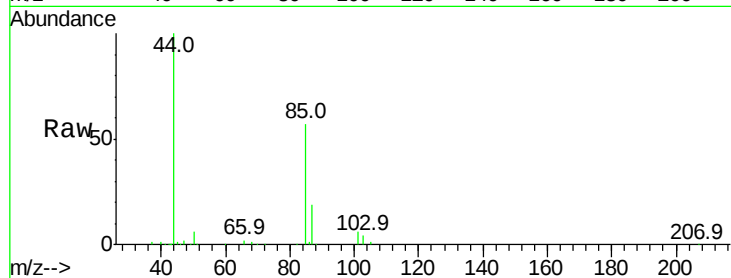
VSTD00582

Tgt Ion: 85 Resp: 64676

Ion Ratio Lower Upper

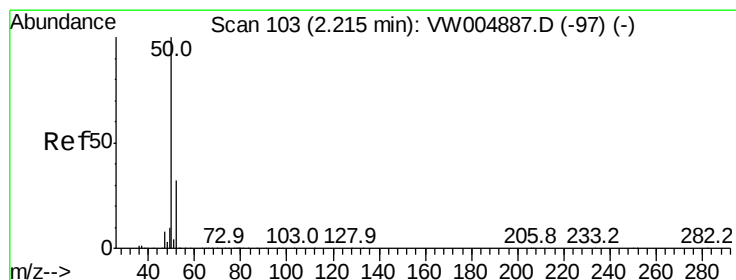
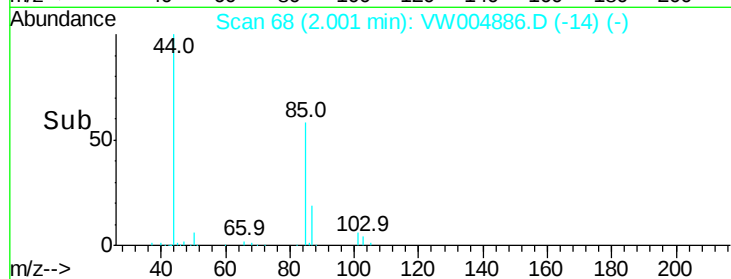
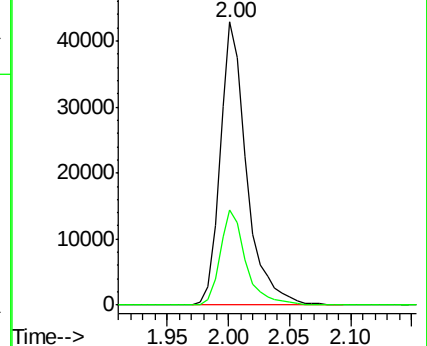
85 100

87 32.6 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 8.421 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004886.D

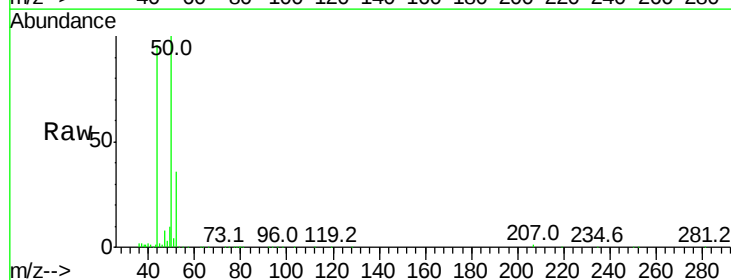
Acq: 22 Aug 2018 16:03

Tgt Ion: 50 Resp: 71626

Ion Ratio Lower Upper

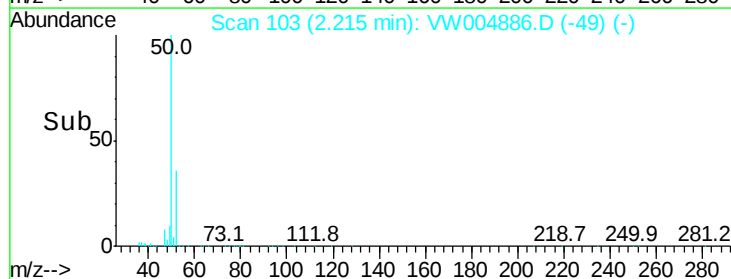
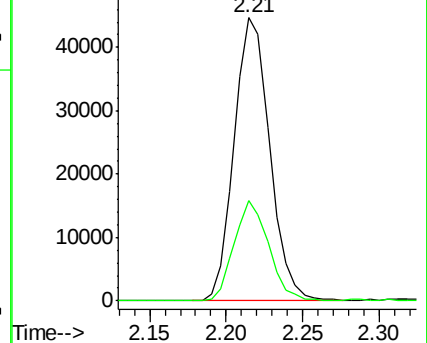
50 100

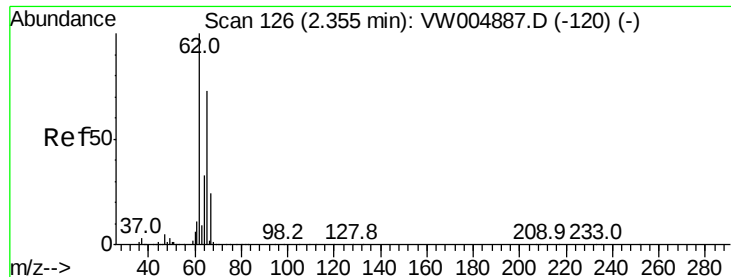
52 35.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 6.554 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004886.D

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Instrument :

MSVOA_W

ClientSampleId :

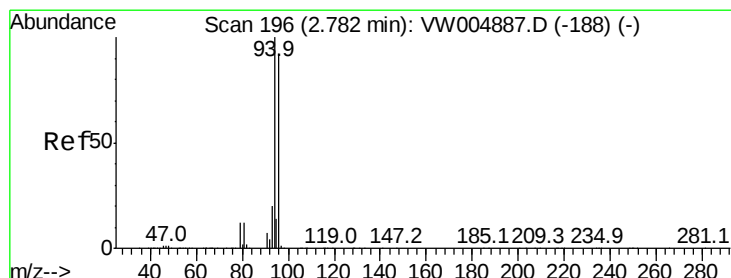
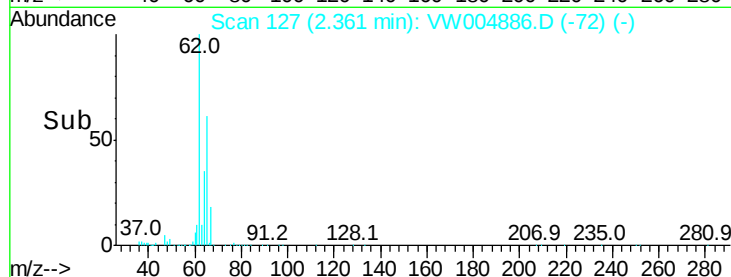
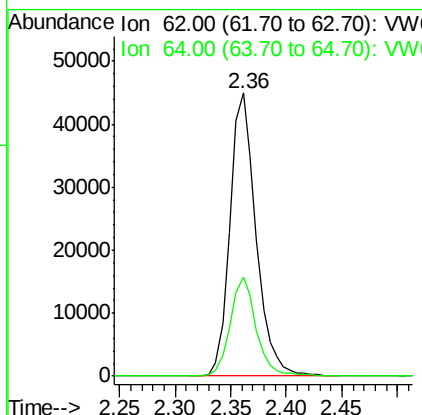
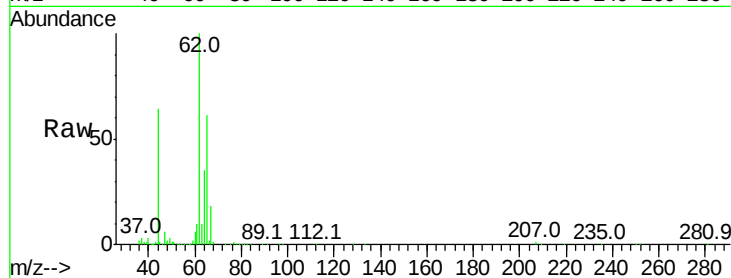
VSTD00582

Tgt Ion: 62 Resp: 72746

Ion Ratio Lower Upper

62 100

64 35.2 23.3 43.3



#6

Bromomethane

Concen: 6.023 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004886.D

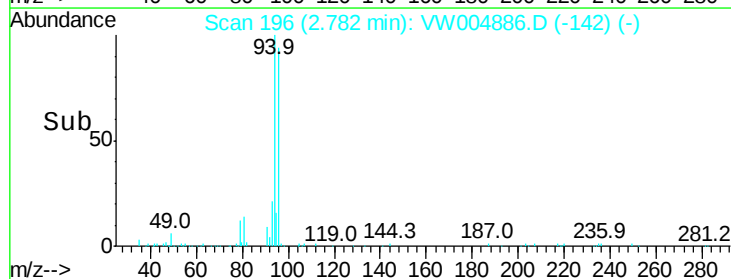
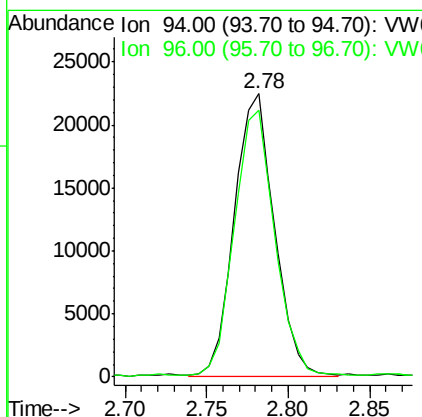
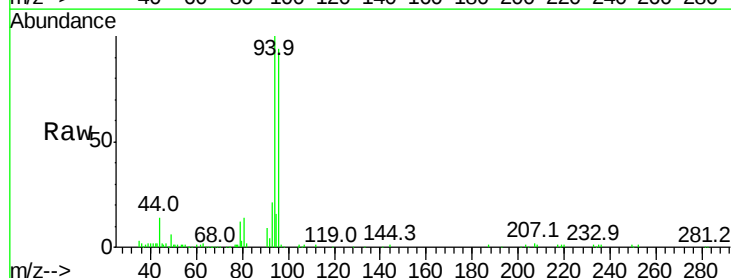
Acq: 22 Aug 2018 16:03

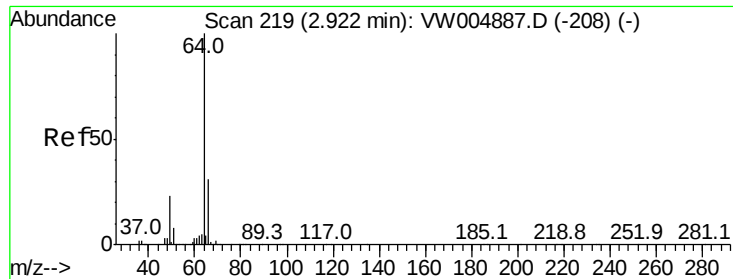
Tgt Ion: 94 Resp: 38660

Ion Ratio Lower Upper

94 100

96 94.5 9.3 177.7





#8

Chloroethane

Concen: 6.047 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

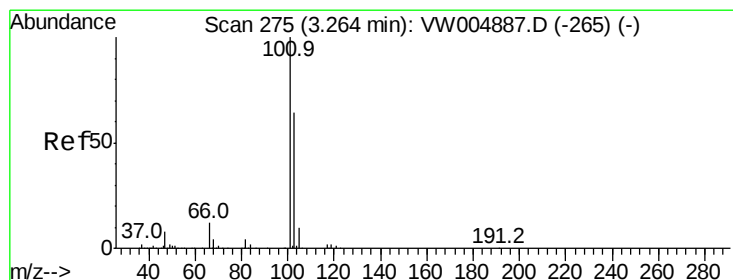
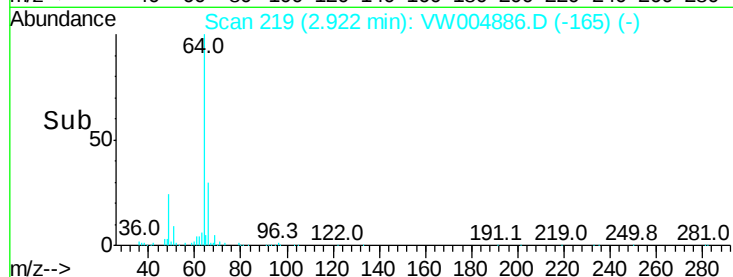
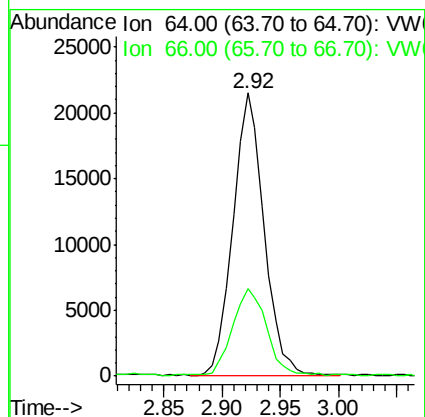
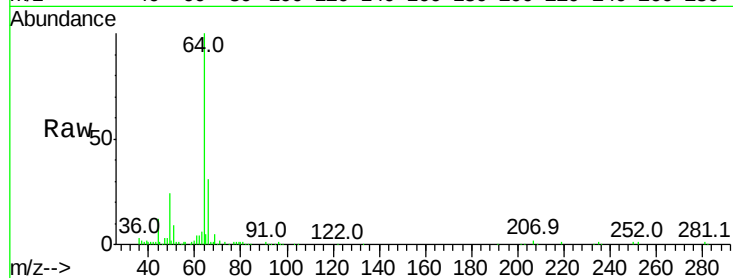
VSTD00582

Tgt Ion: 64 Resp: 40262

Ion Ratio Lower Upper

64 100

66 30.9 21.5 39.9



#9

Trichlorofluoromethane

Concen: 14.381 ug/L

RT: 3.26 min Scan# 275

Delta R.T. -0.00 min

Lab File: VW004886.D

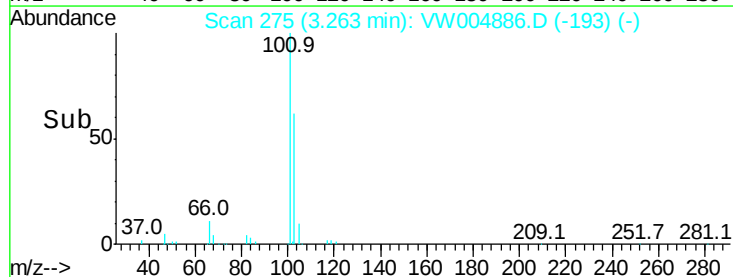
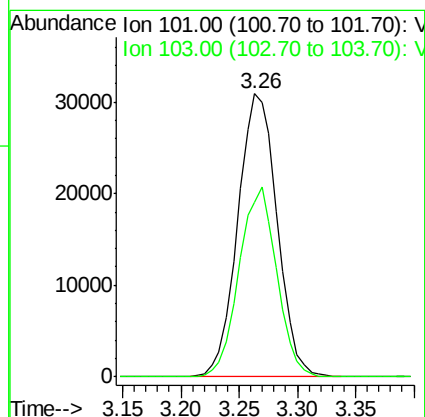
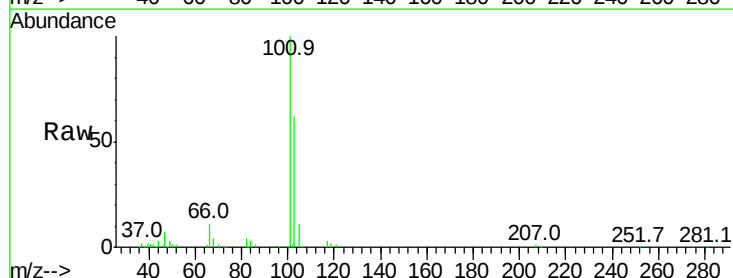
Acq: 22 Aug 2018 16:03

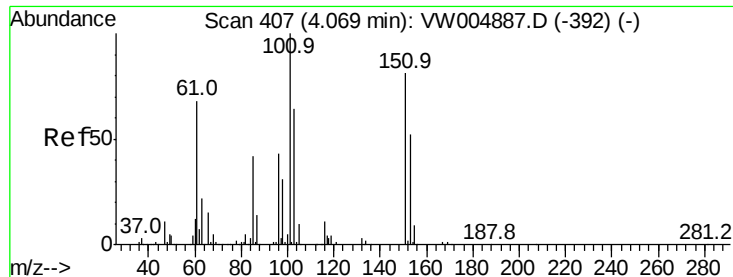
Tgt Ion: 101 Resp: 72805

Ion Ratio Lower Upper

101 100

103 64.2 45.1 83.7





#11

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

Concen: 5.119 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

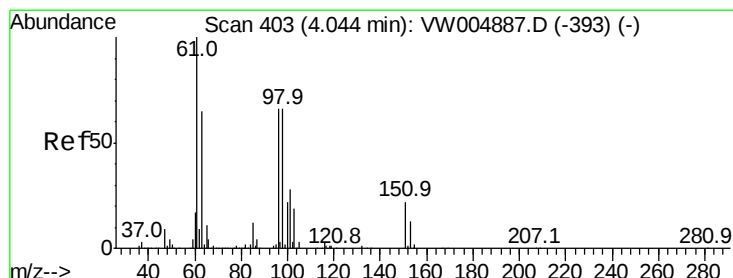
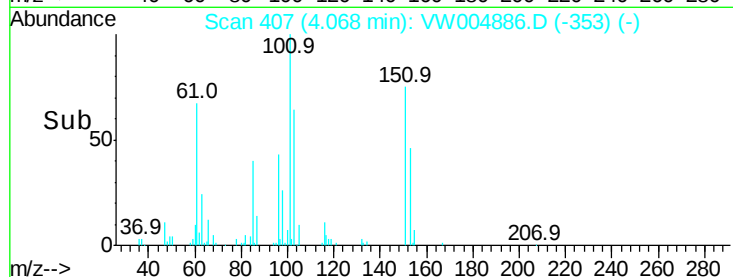
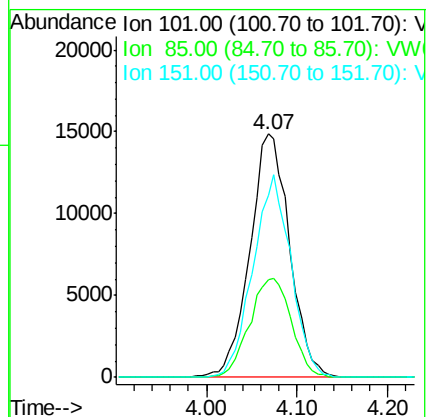
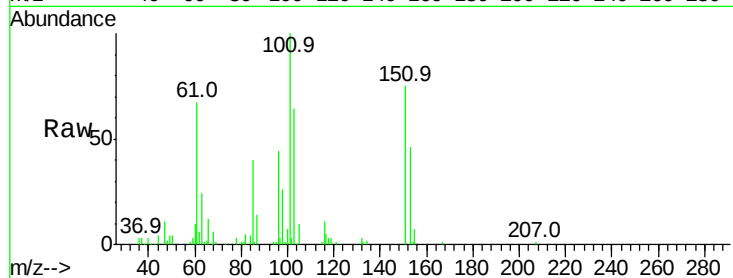
Tgt Ion: 101 Resp: 45000

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

151 79.6 64.1 96.1



#12

1,1-Dichloroethene

Concen: 4.351 ug/L

RT: 4.05 min Scan# 404

Delta R.T. 0.01 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

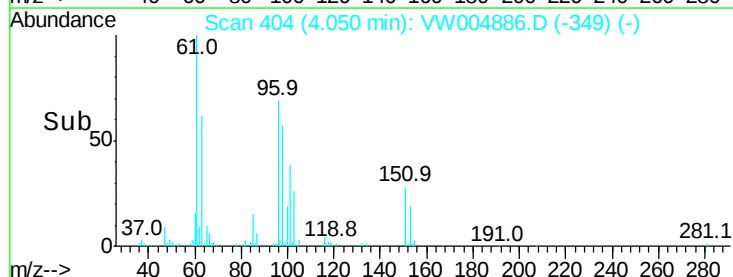
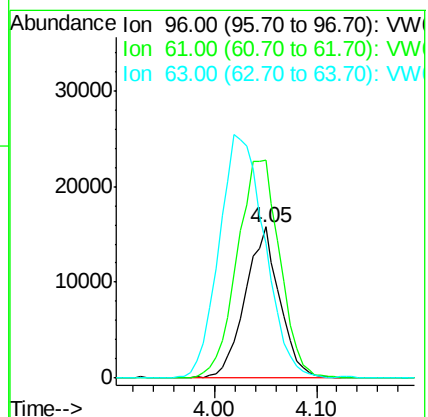
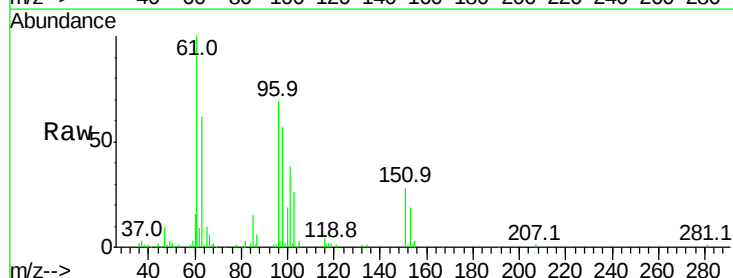
Tgt Ion: 96 Resp: 37364

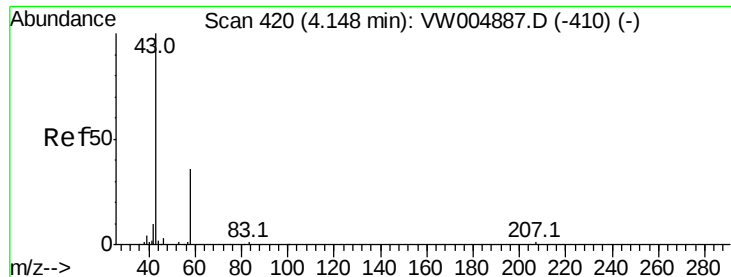
Ion Ratio Lower Upper

96 100

61 143.9 107.0 198.8

63 89.2 76.9 142.7





#13

Acetone

Concen: 3.236 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

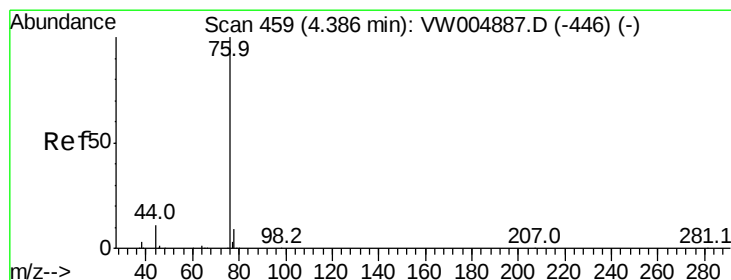
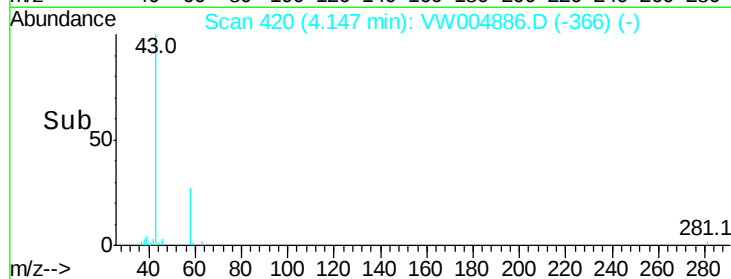
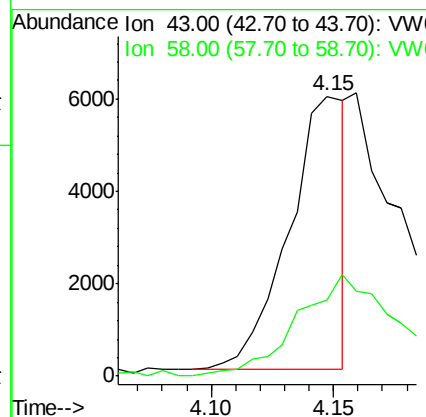
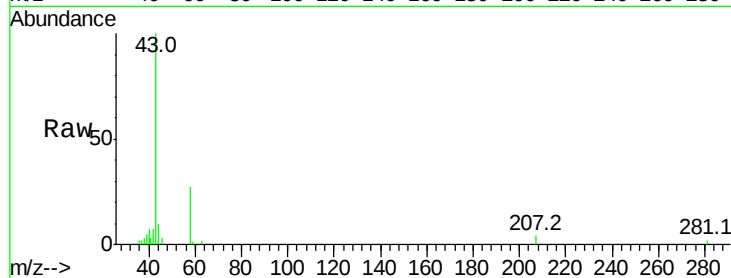
VSTD00582

Tgt Ion: 43 Resp: 9522

Ion Ratio Lower Upper

43 100

58 68.1 0.0 69.4



#14

Carbon disulfide

Concen: 5.979 ug/L

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW004886.D

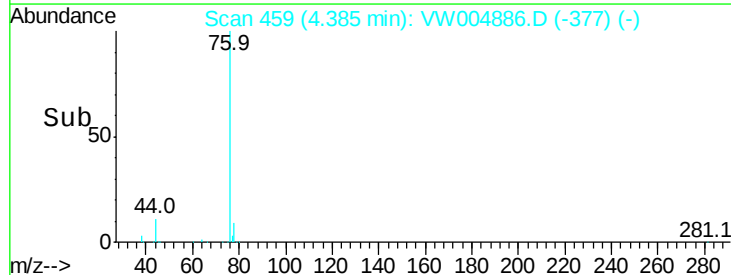
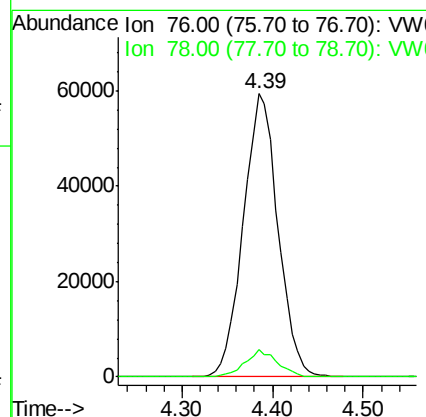
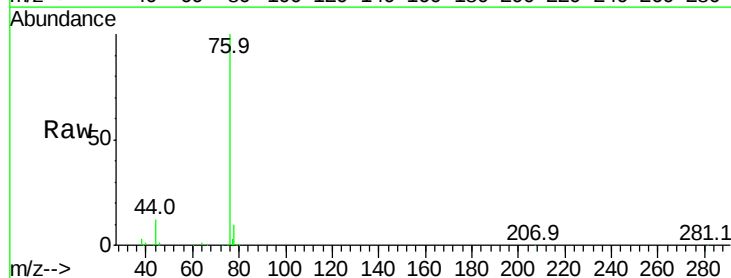
Acq: 22 Aug 2018 16:03

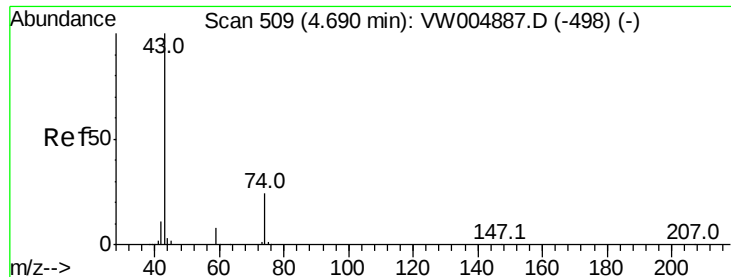
Tgt Ion: 76 Resp: 157504

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

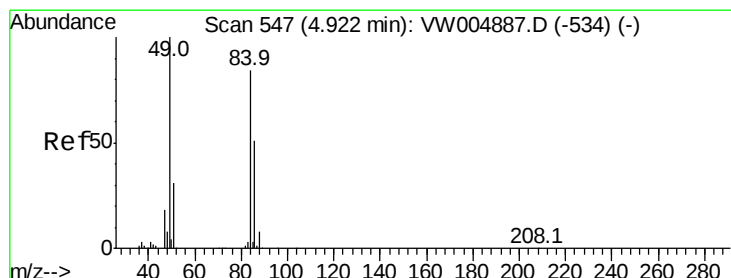
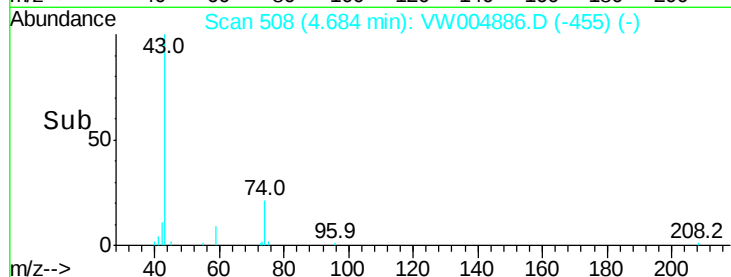
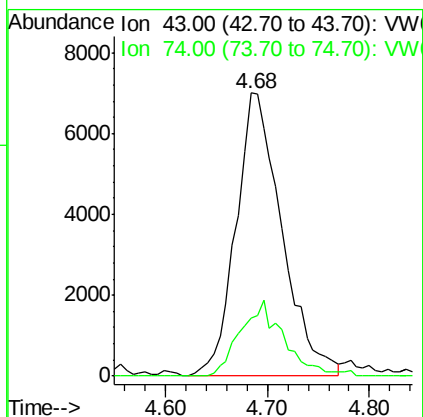
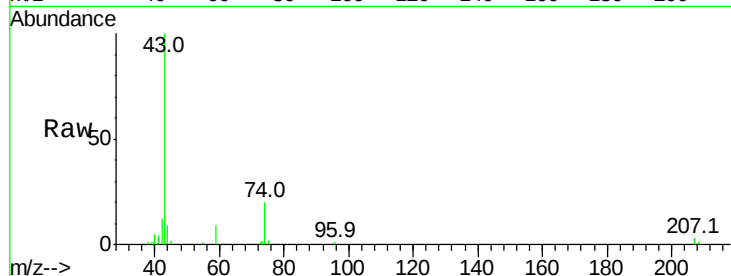




#15
Methyl Acetate
Concen: 3.652 ug/L
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

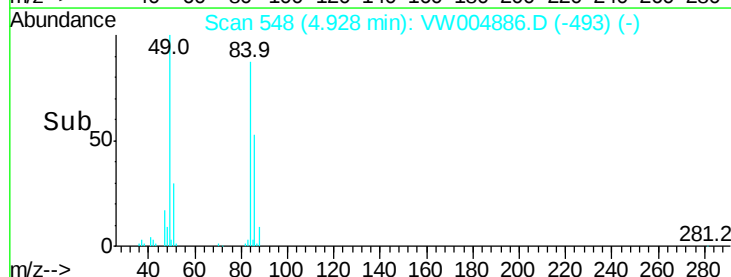
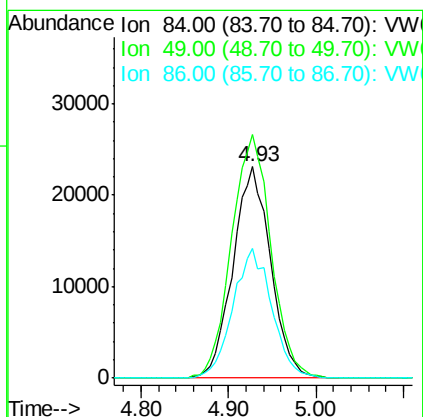
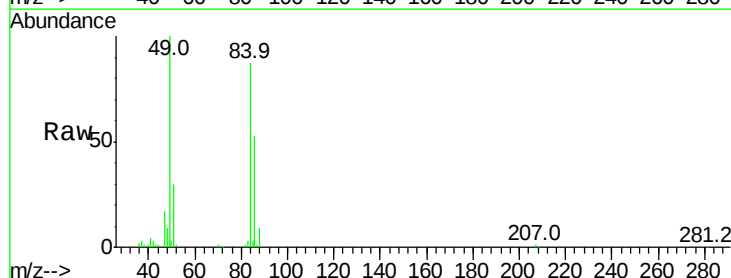
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

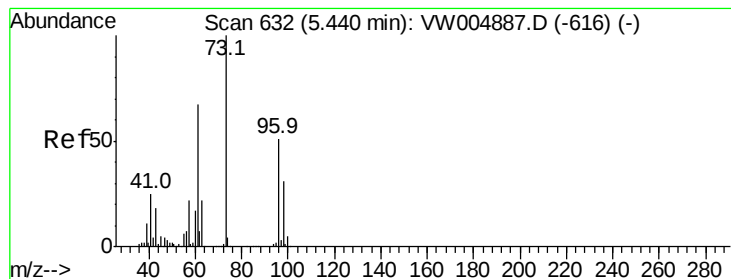
Tgt Ion: 43 Resp: 21905
Ion Ratio Lower Upper
43 100
74 16.4 18.6 27.8#



#16
Methylene chloride
Concen: 5.639 ug/L
RT: 4.93 min Scan# 548
Delta R.T. 0.01 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

Tgt Ion: 84 Resp: 69372
Ion Ratio Lower Upper
84 100
49 115.1 83.8 155.6
86 61.5 42.6 79.0





#17

Methyl tert-butyl Ether

Concen: 6.535 ug/L

RT: 5.44 min Scan# 632

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampled :

VSTD00582

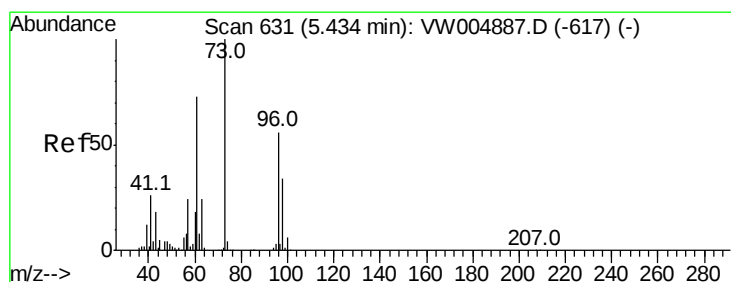
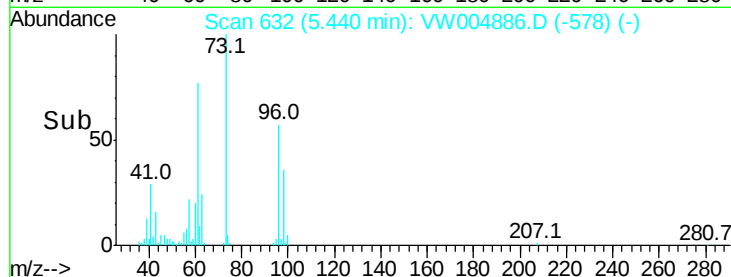
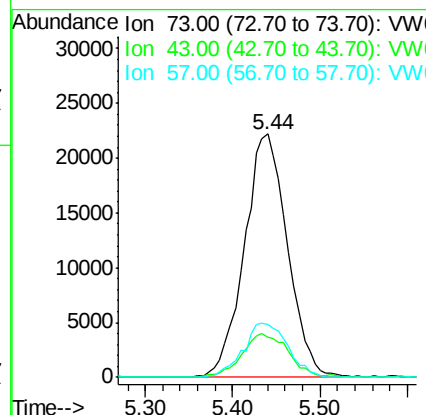
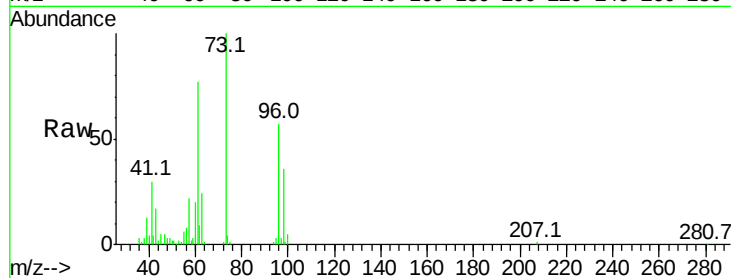
Tgt Ion: 73 Resp: 75967

Ion Ratio Lower Upper

73 100

43 19.3 14.6 22.0

57 23.1 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.618 ug/L

RT: 5.43 min Scan# 631

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

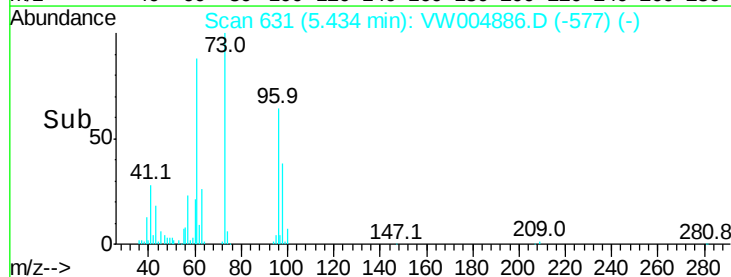
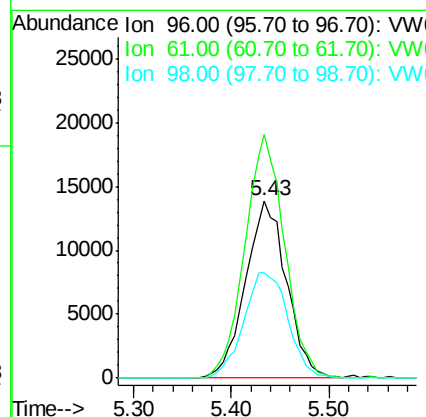
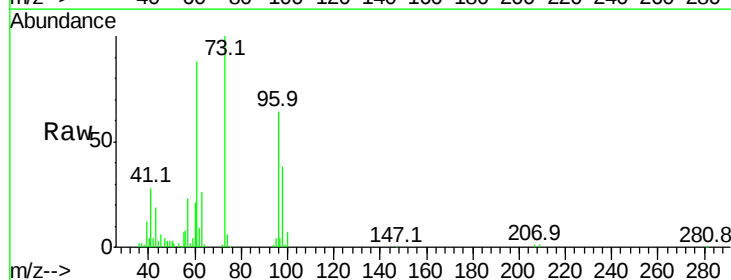
Tgt Ion: 96 Resp: 40560

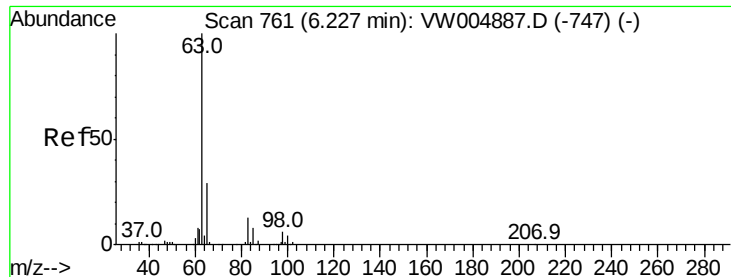
Ion Ratio Lower Upper

96 100

61 137.1 92.5 171.9

98 59.6 42.8 79.4

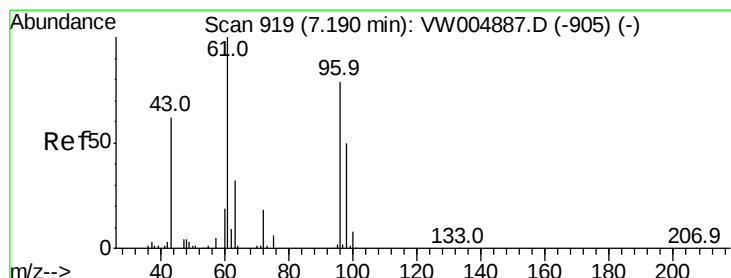
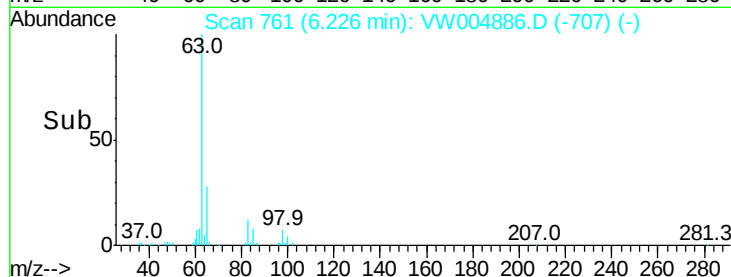
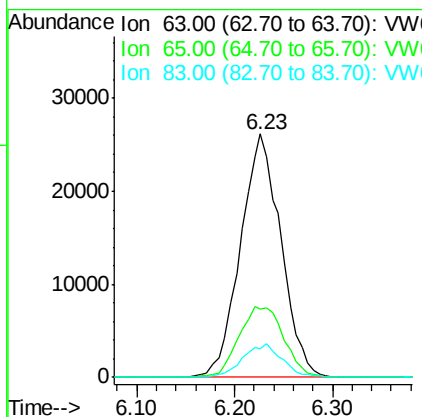
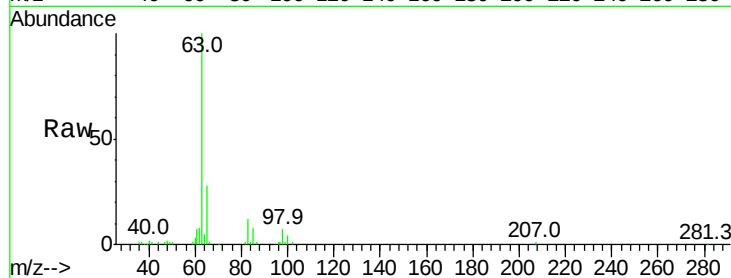




#19
 1,1-Dichloroethane
 Concen: 4.493 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

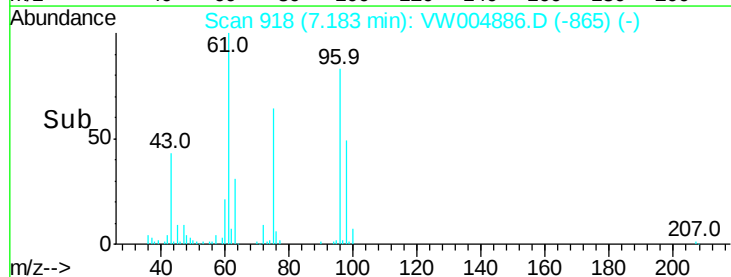
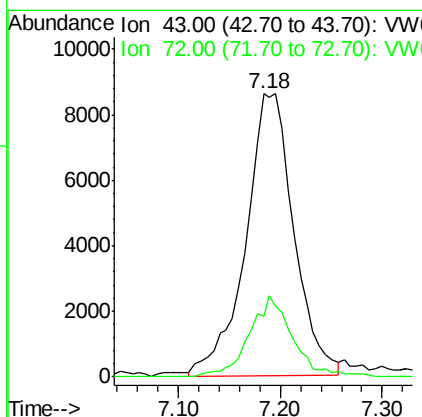
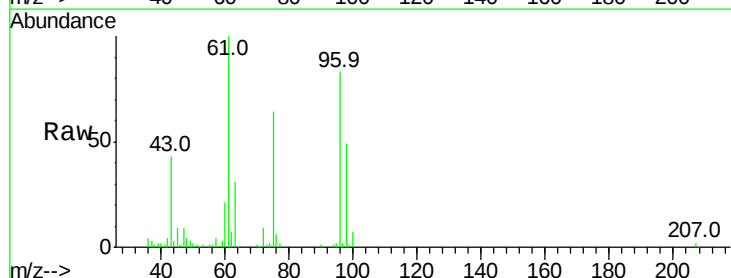
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

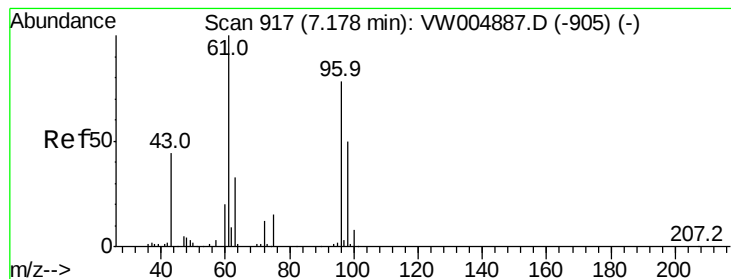
Tgt Ion: 63 Resp: 74868
 Ion Ratio Lower Upper
 63 100
 65 28.3 20.5 38.1
 83 11.8 8.8 16.4



#21
 2-Butanone
 Concen: 7.048 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

Tgt Ion: 43 Resp: 28389
 Ion Ratio Lower Upper
 43 100
 72 24.6 14.2 42.8





#22

cis-1,2-Dichloroethene

Concen: 4.597 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

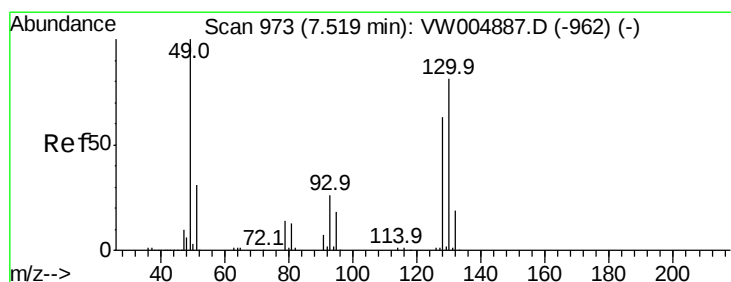
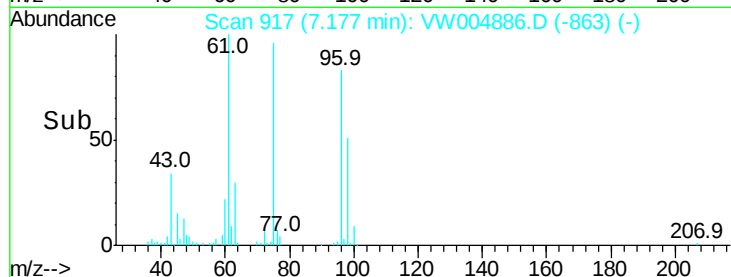
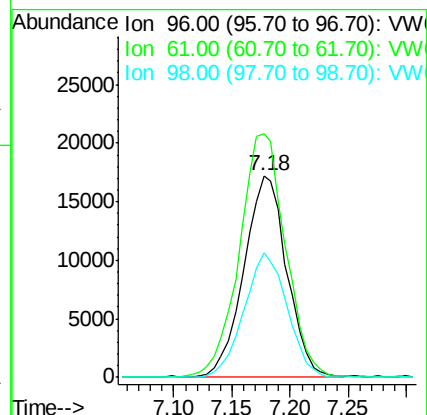
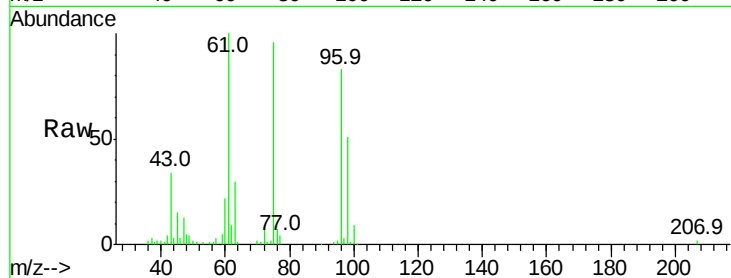
Tgt Ion: 96 Resp: 44067

Ion Ratio Lower Upper

96 100

61 120.5 89.7 166.7

98 61.5 45.0 83.6



#23

Bromochloromethane

Concen: 4.926 ug/L

RT: 7.52 min Scan# 974

Delta R.T. 0.01 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Tgt Ion: 128 Resp: 22601

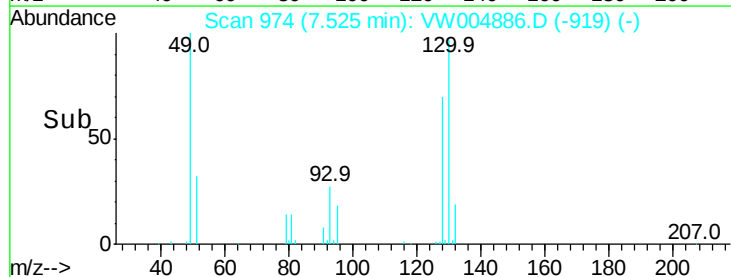
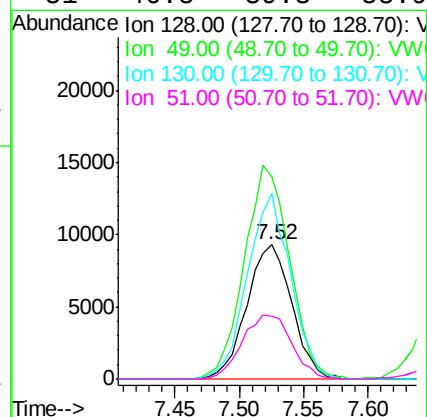
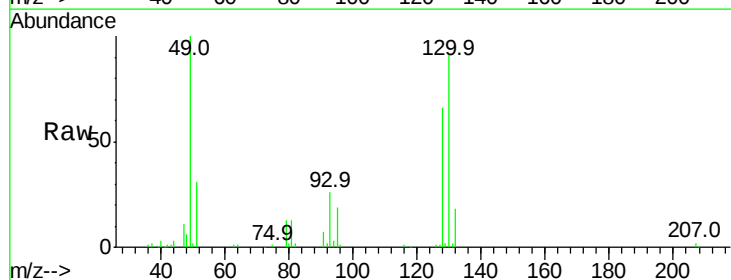
Ion Ratio Lower Upper

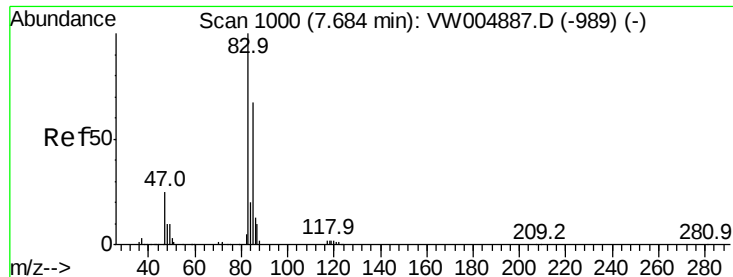
128 100

49 150.9 111.3 206.7

130 137.9 90.2 167.6

51 46.5 39.3 58.9





#25

Chloroform

Concen: 4.567 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

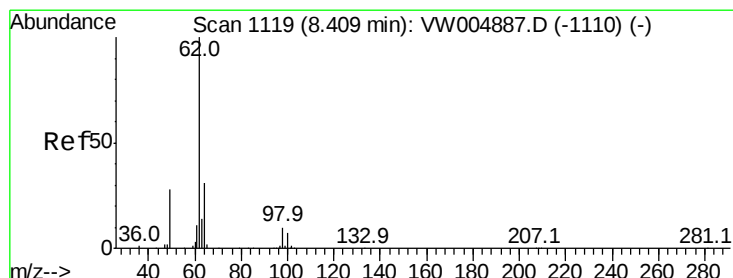
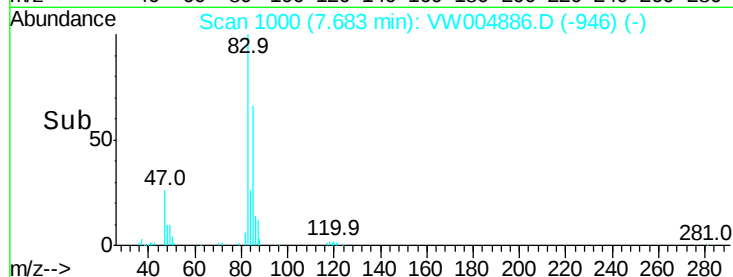
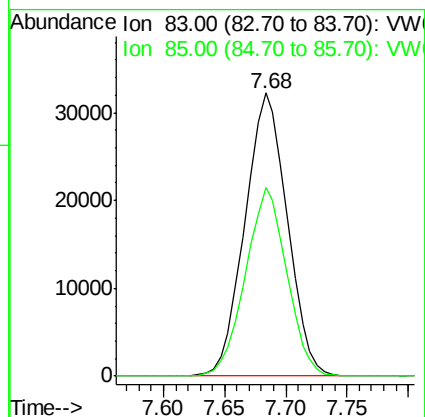
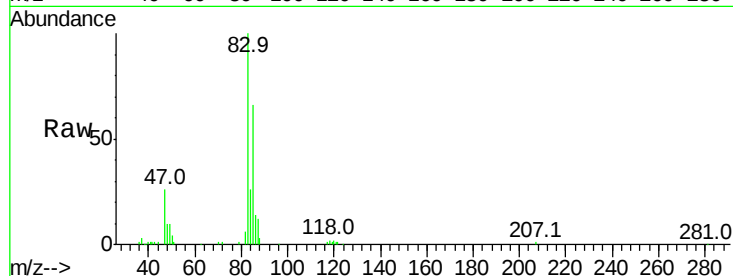
VSTD00582

Tgt Ion: 83 Resp: 77693

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9



#27

1,2-Dichloroethane

Concen: 4.412 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW004886.D

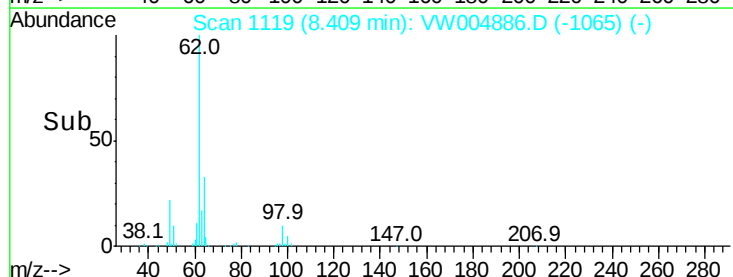
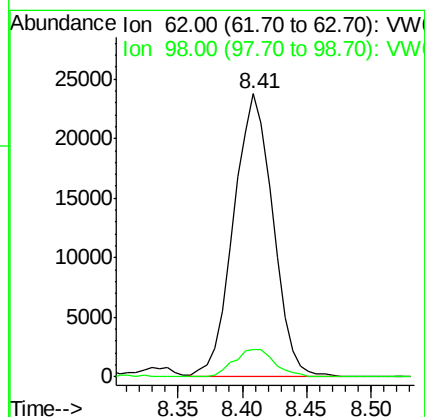
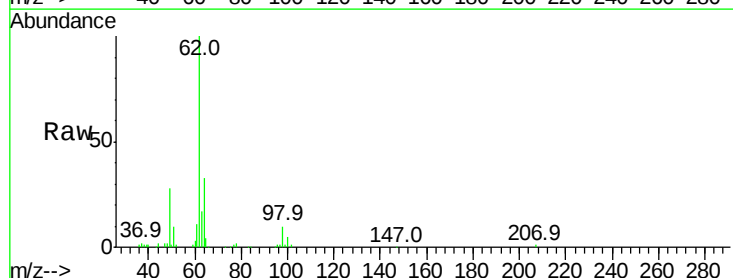
Acq: 22 Aug 2018 16:03

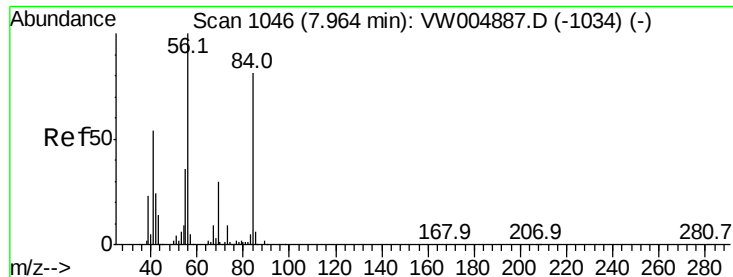
Tgt Ion: 62 Resp: 50415

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0

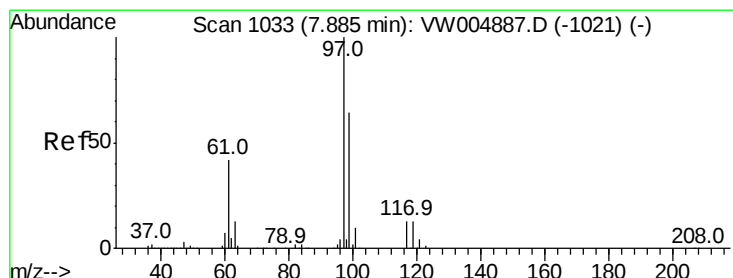
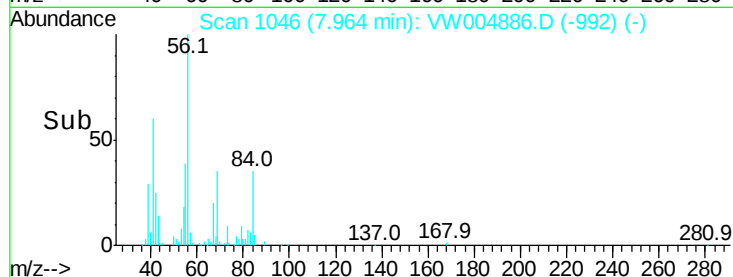
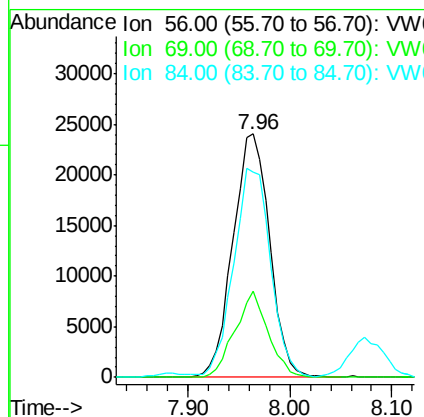
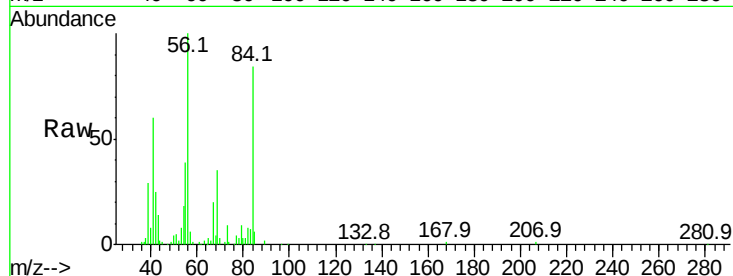




#30
Cyclohexane
Concen: 3.720 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

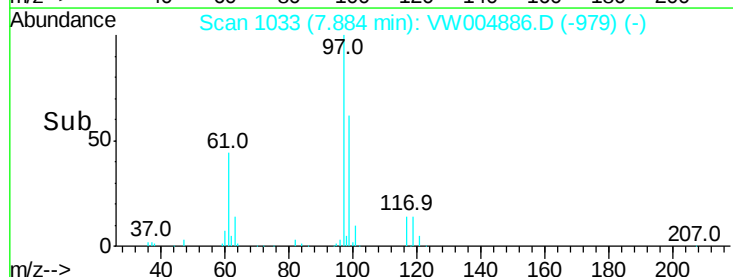
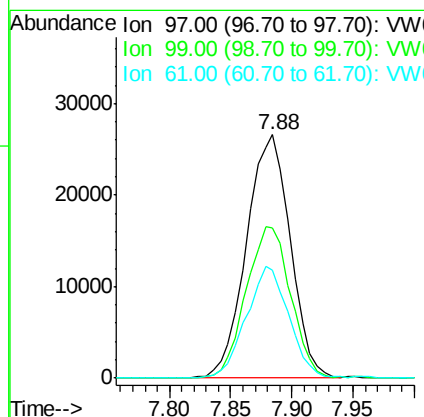
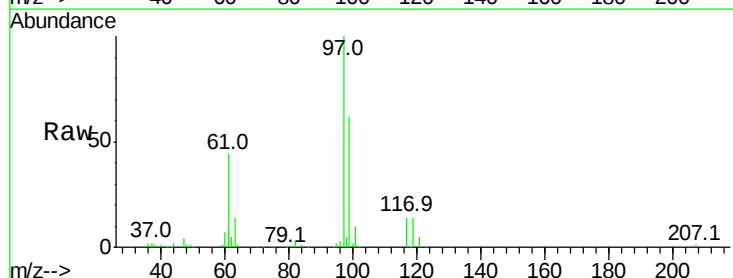
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

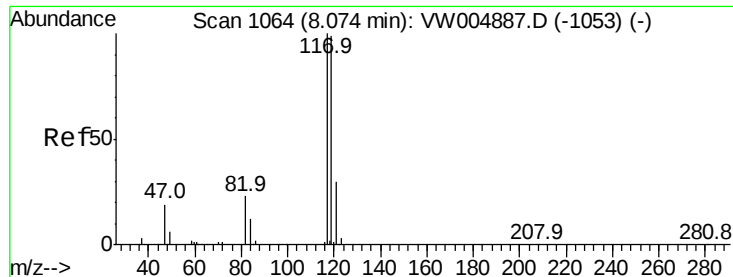
Tgt Ion: 56 Resp: 60158
Ion Ratio Lower Upper
56 100
69 31.9 24.1 36.1
84 86.5 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 4.566 ug/L
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

Tgt Ion: 97 Resp: 66337
Ion Ratio Lower Upper
97 100
99 63.2 51.2 76.8
61 44.4 34.9 52.3





#32

Carbon tetrachloride

Concen: 4.183 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampled :

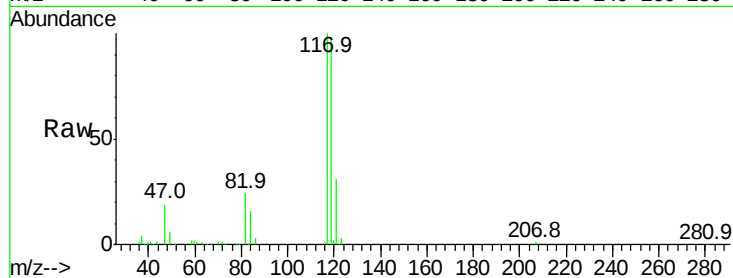
VSTD00582

Tgt Ion:117 Resp: 58561

Ion Ratio Lower Upper

117 100

119 100.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

25000

20000

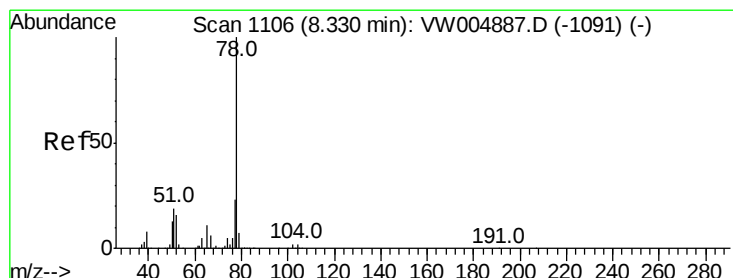
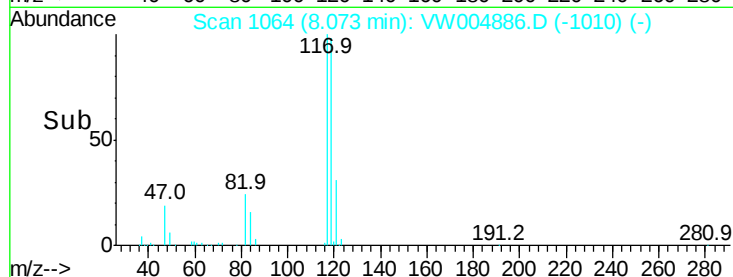
15000

10000

5000

0

Time--> 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 4.352 ug/L

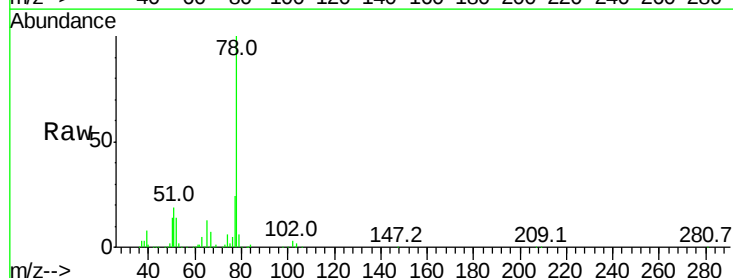
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Tgt Ion: 78 Resp: 183451



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

100000

80000

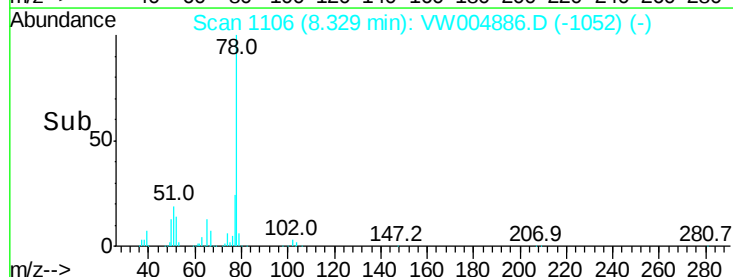
60000

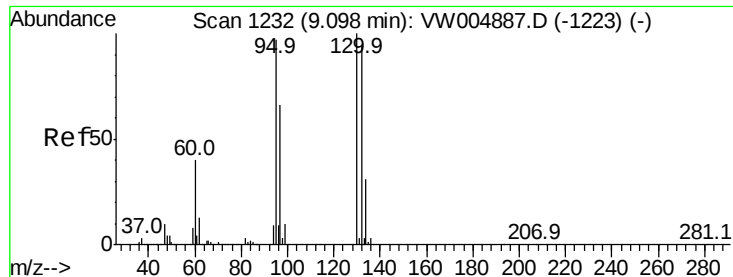
40000

20000

0

Time--> 8.20 8.30 8.40

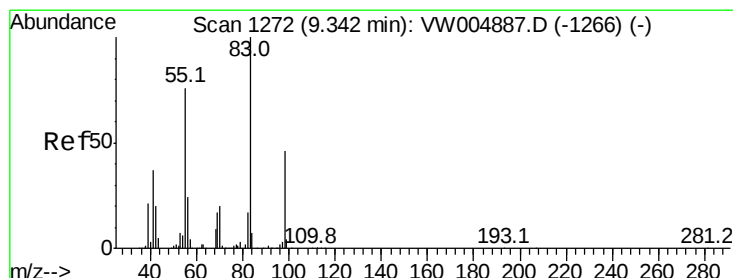
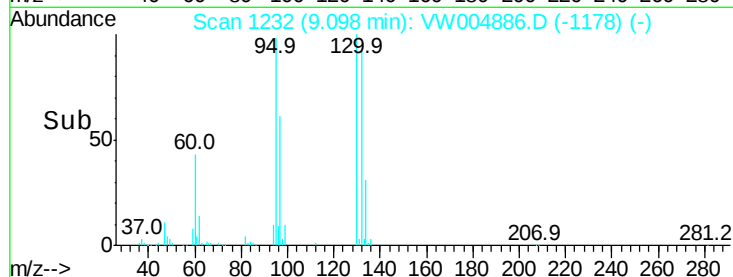
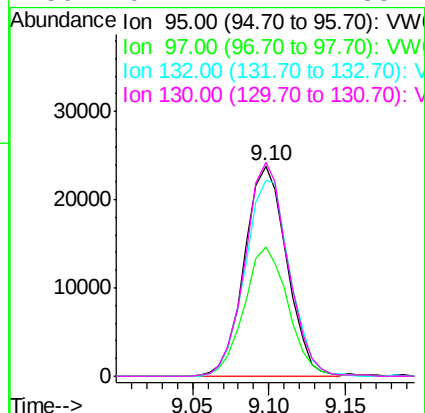
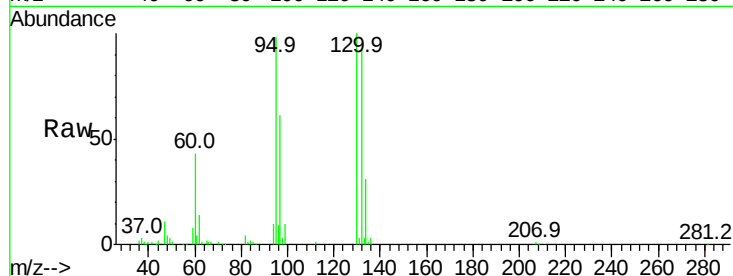




#35
 Trichloroethene
 Concen: 4.319 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

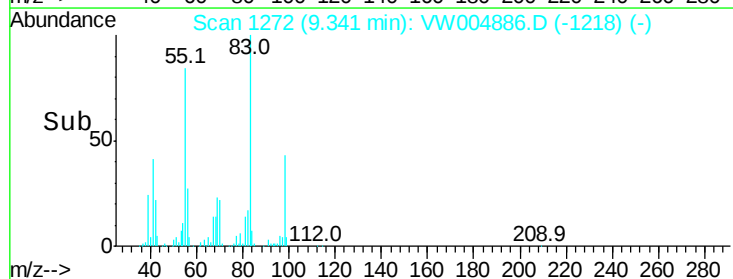
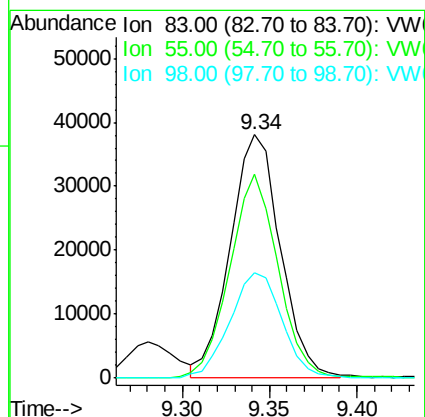
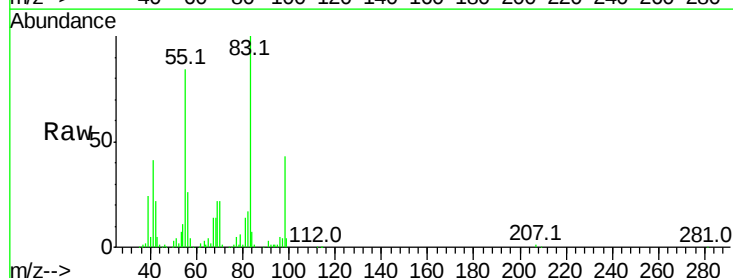
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00582

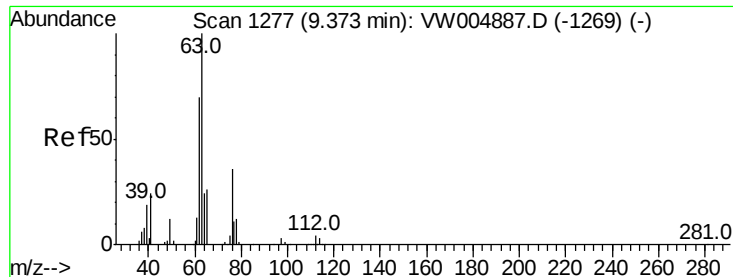
Tgt Ion:	95	Resp:	45799
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.9	85.3
132	98.8	69.2	128.4
130	102.7	72.7	135.1



#36
 Methylcyclohexane
 Concen: 4.095 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

Tgt Ion:	83	Resp:	76221
Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.1	91.7
98	45.2	37.0	55.4





#40

1,2-Dichloropropane

Concen: 4.186 ug/L

RT: 9.38 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampled :

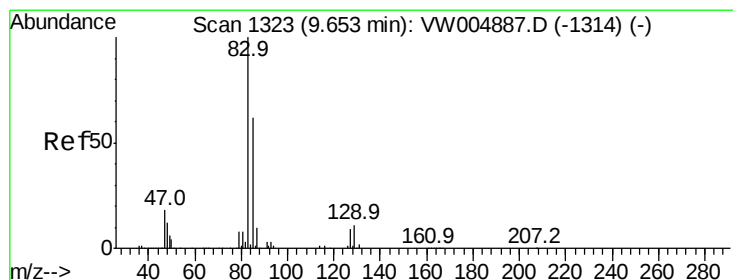
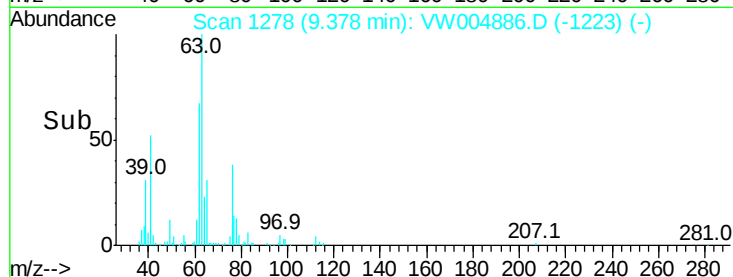
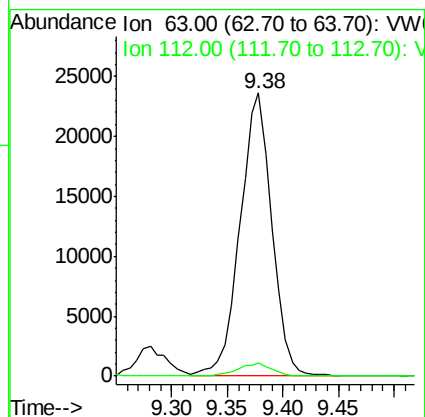
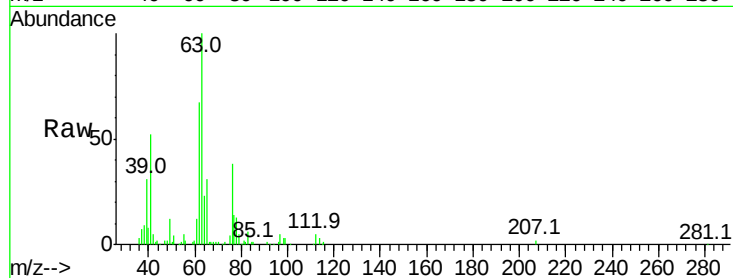
VSTD00582

Tgt Ion: 63 Resp: 46734

Ion Ratio Lower Upper

63 100

112 5.1 3.2 4.8#



#41

Bromodichloromethane

Concen: 3.903 ug/L

RT: 9.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

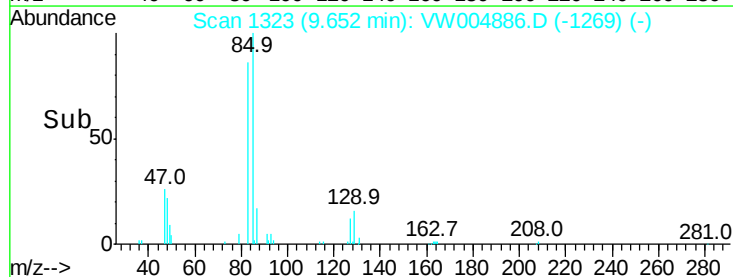
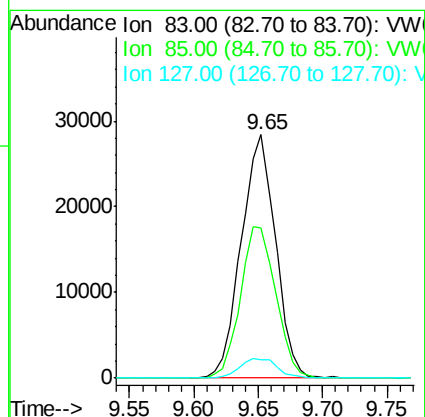
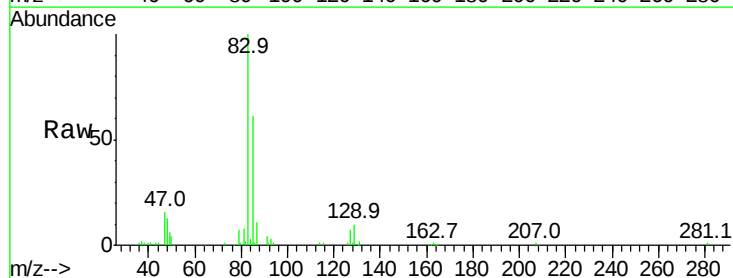
Tgt Ion: 83 Resp: 52348

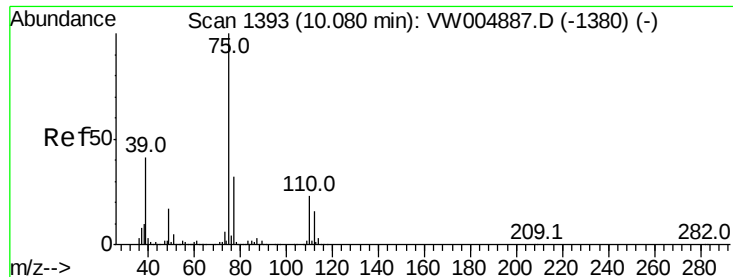
Ion Ratio Lower Upper

83 100

85 61.5 43.6 81.0

127 7.4 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 3.723 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

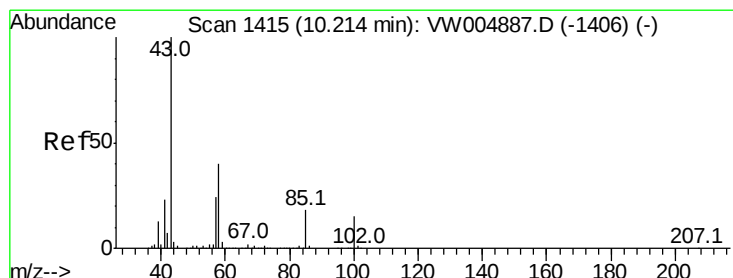
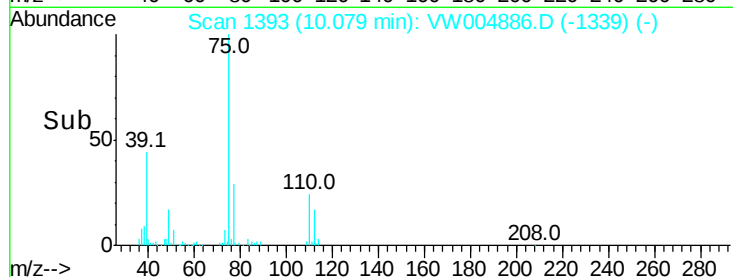
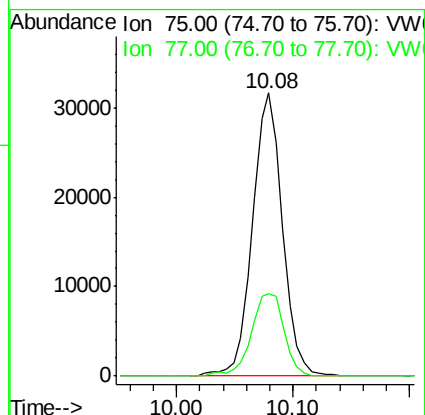
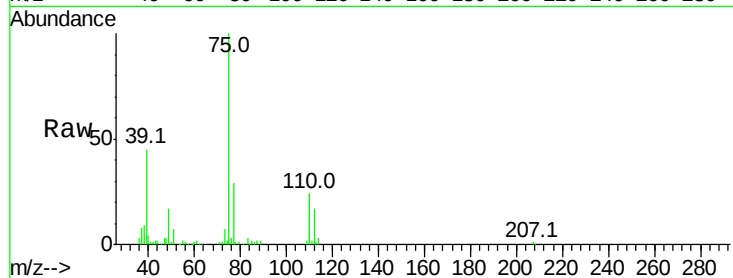
VSTD00582

Tgt Ion: 75 Resp: 56864

Ion Ratio Lower Upper

75 100

77 29.2 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 6.790 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

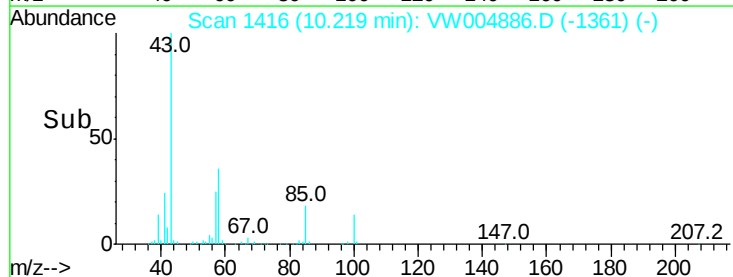
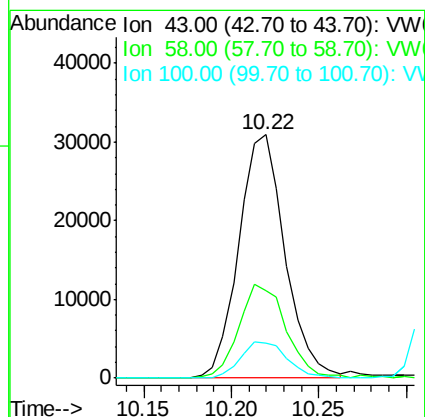
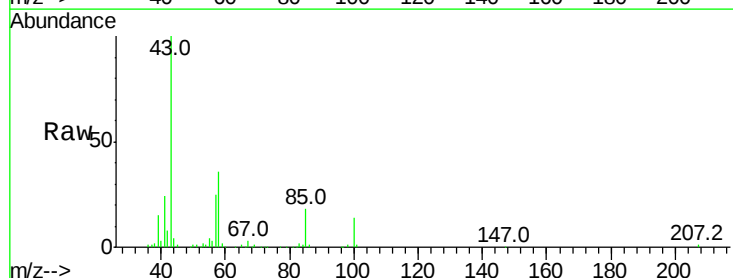
Tgt Ion: 43 Resp: 56845

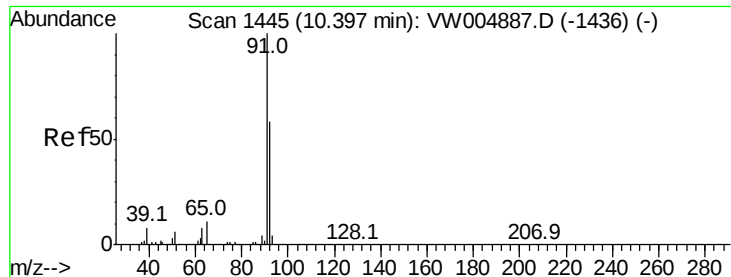
Ion Ratio Lower Upper

43 100

58 39.1 32.1 48.1

100 15.2 12.6 18.8





#44

Toluene

Concen: 5.372 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

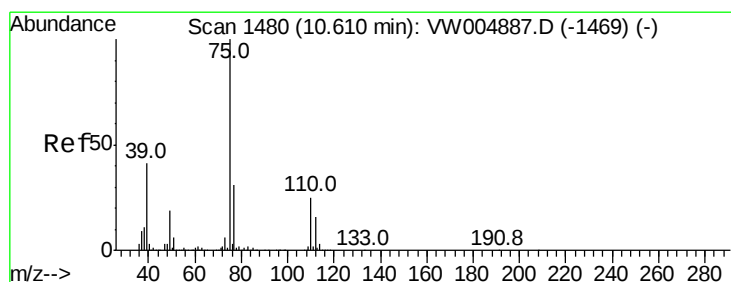
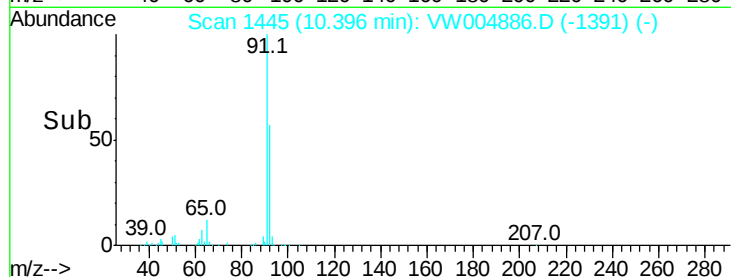
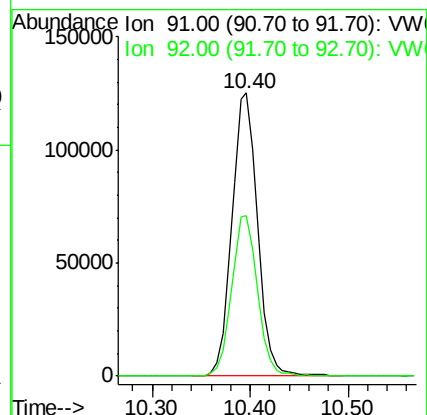
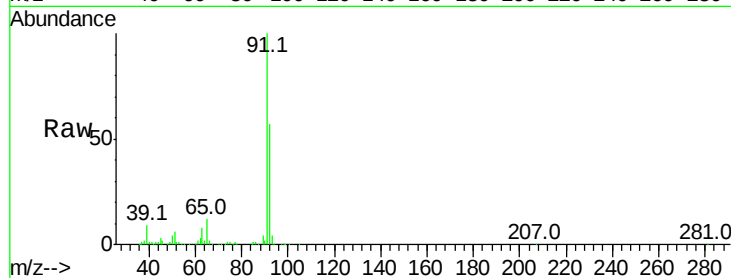
VSTD00582

Tgt Ion: 91 Resp: 227923

Ion Ratio Lower Upper

91 100

92 56.7 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 3.833 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004886.D

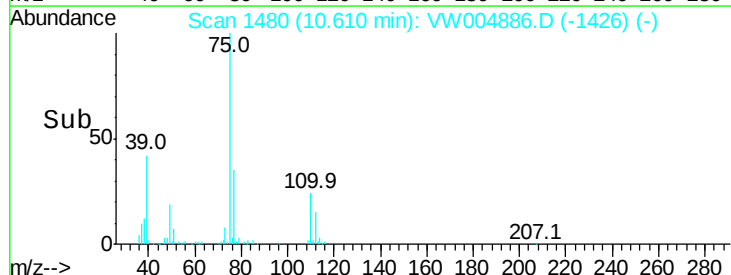
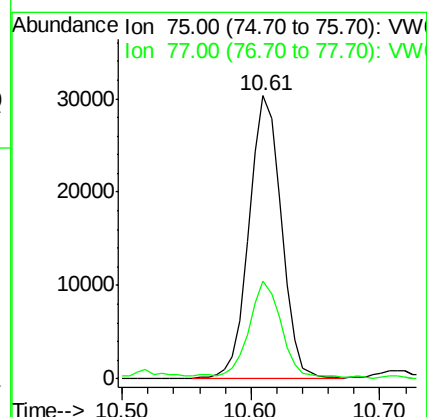
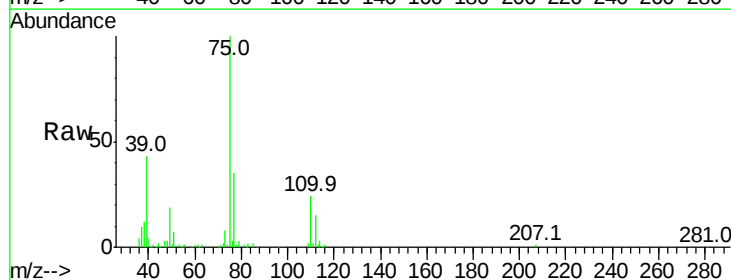
Acq: 22 Aug 2018 16:03

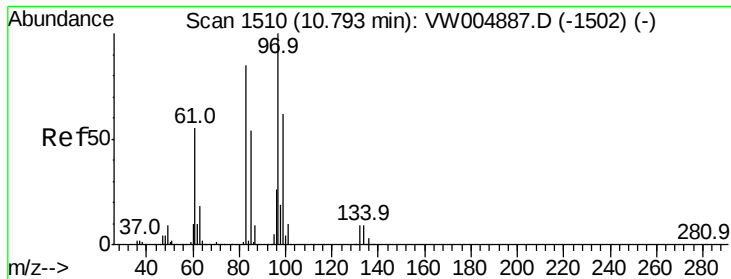
Tgt Ion: 75 Resp: 52626

Ion Ratio Lower Upper

75 100

77 34.6 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 4.071 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 97 Resp: 35338

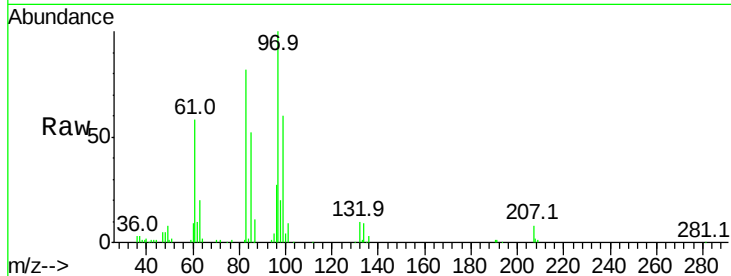
Ion Ratio Lower Upper

97 100

83 82.3 59.6 110.8

85 52.2 38.1 70.9

99 60.3 43.8 81.3



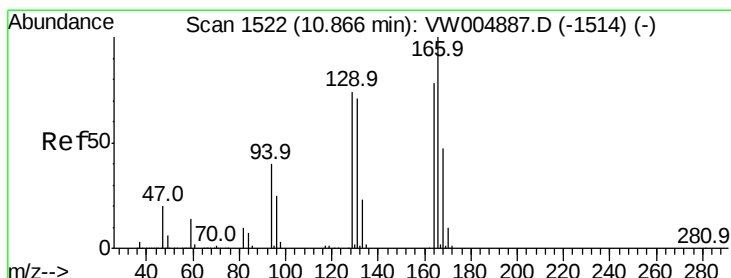
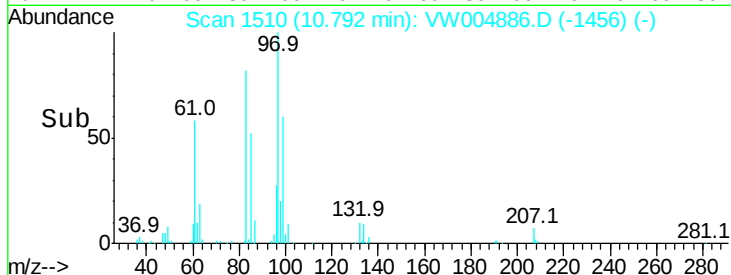
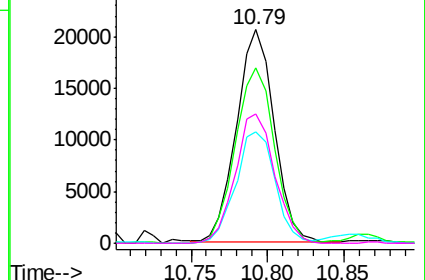
Abundance

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: 5.682 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Tgt Ion: 164 Resp: 47676

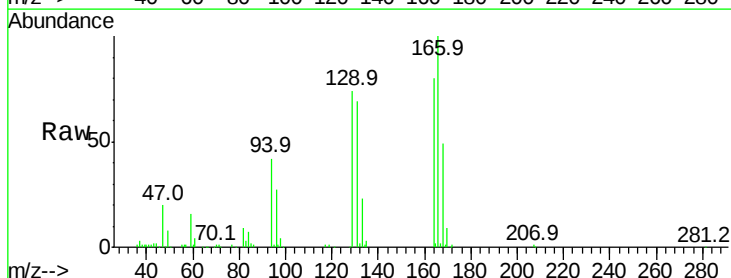
Ion Ratio Lower Upper

164 100

129 92.0 66.8 124.0

131 85.9 64.0 119.0

166 125.0 89.8 166.8



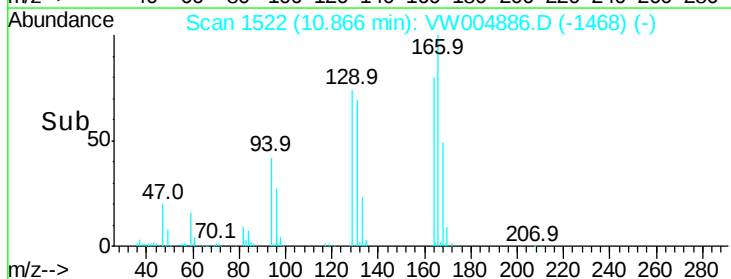
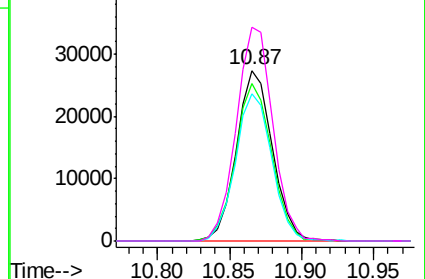
Abundance

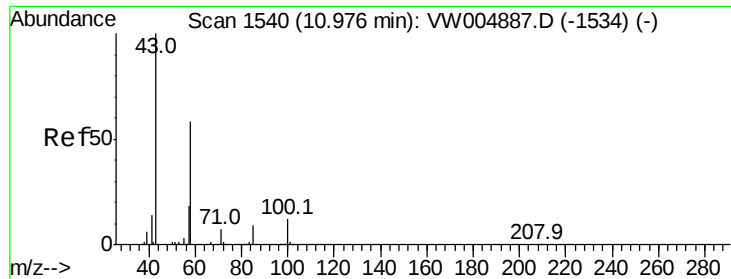
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 7.277 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 43 Resp: 45779

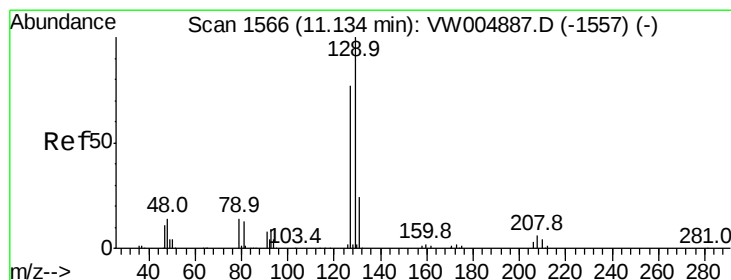
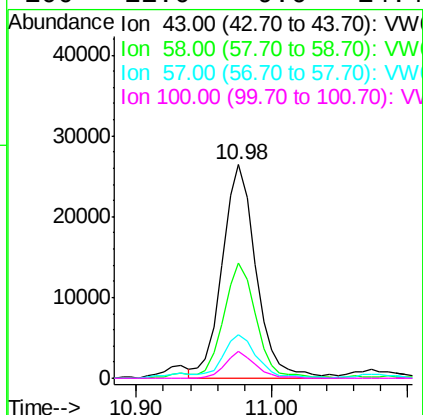
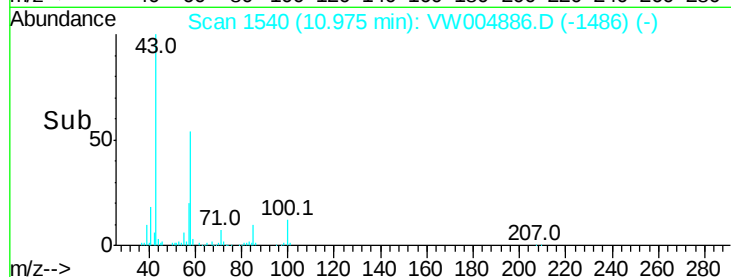
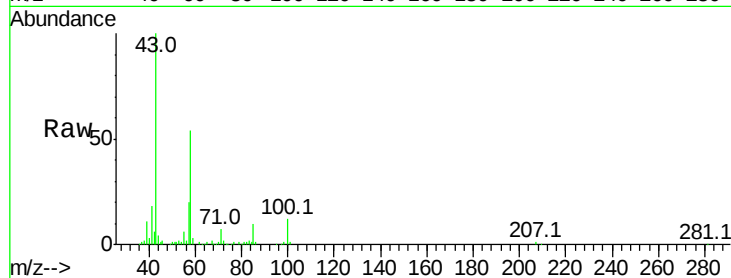
Ion Ratio Lower Upper

43 100

58 51.9 44.6 67.0

57 20.7 15.4 23.2

100 11.0 9.6 14.4



#50

Dibromochloromethane

Concen: 4.013 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004886.D

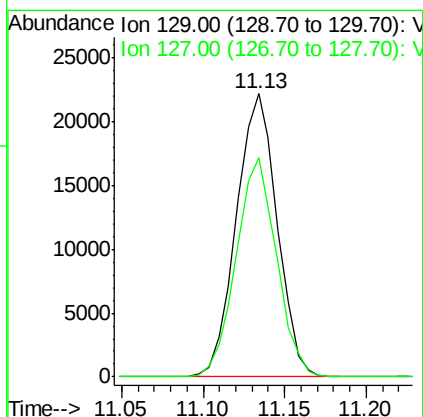
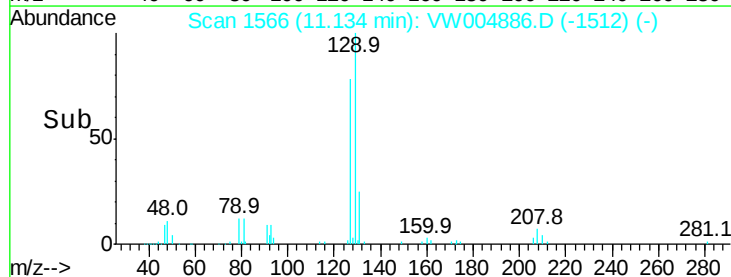
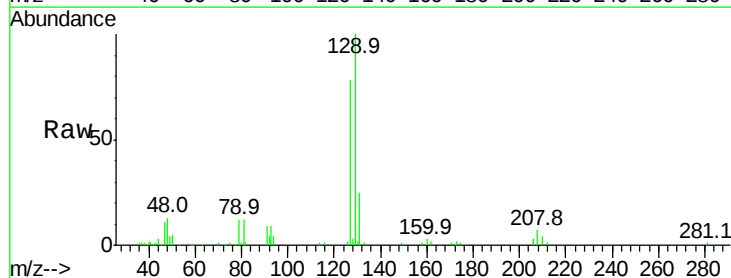
Acq: 22 Aug 2018 16:03

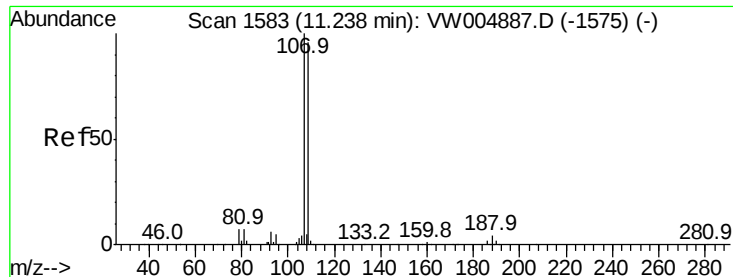
Tgt Ion: 129 Resp: 38640

Ion Ratio Lower Upper

129 100

127 77.5 53.8 99.8

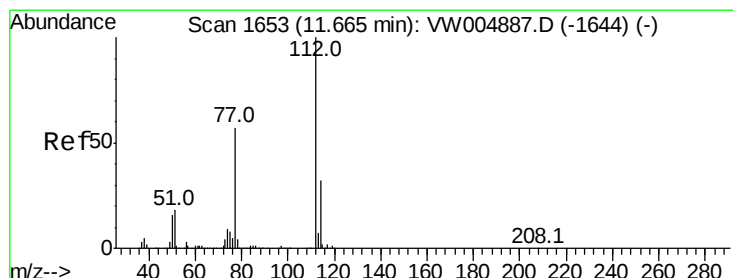
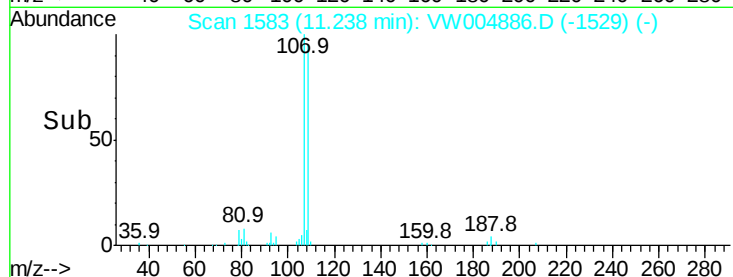
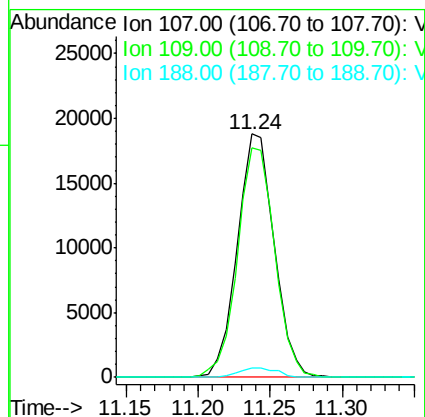
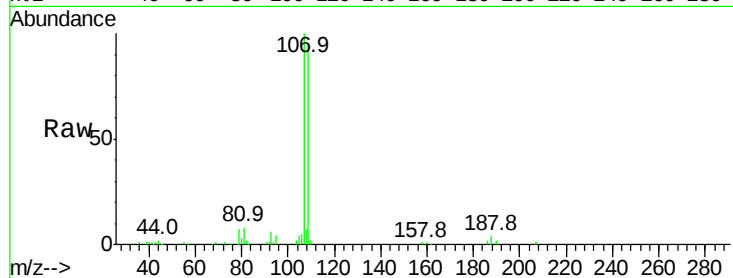




#51
1,2-Dibromoethane
Concen: 4.020 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

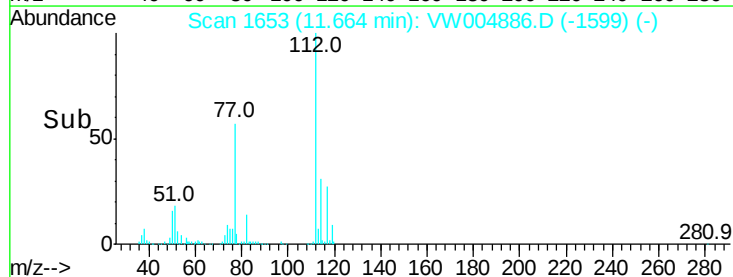
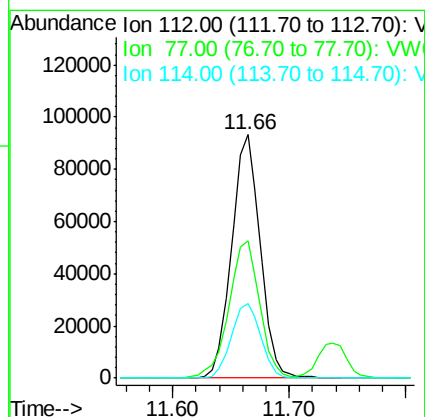
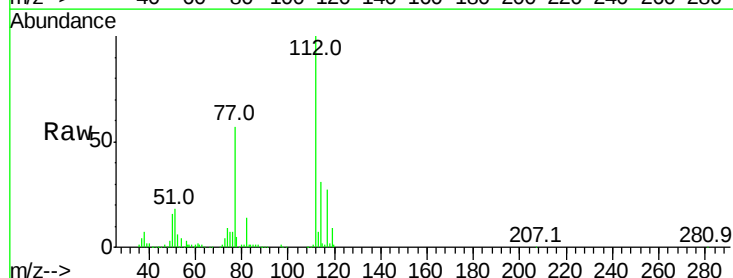
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

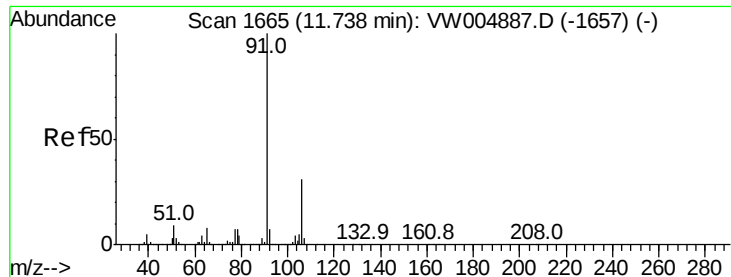
Tgt Ion:107 Resp: 33452
Ion Ratio Lower Upper
107 100
109 94.5 67.3 124.9
188 4.0 3.0 4.6



#52
Chlorobenzene
Concen: 5.545 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

Tgt Ion:112 Resp: 159077
Ion Ratio Lower Upper
112 100
77 56.7 45.8 68.8
114 30.6 22.5 41.7





#53

Ethylbenzene

Concen: 5.276 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

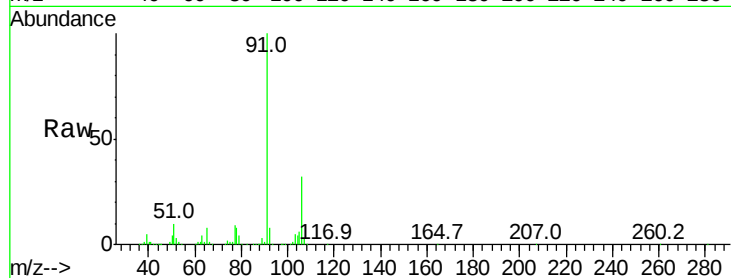
VSTD00582

Tgt Ion: 91 Resp: 251513

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

150000

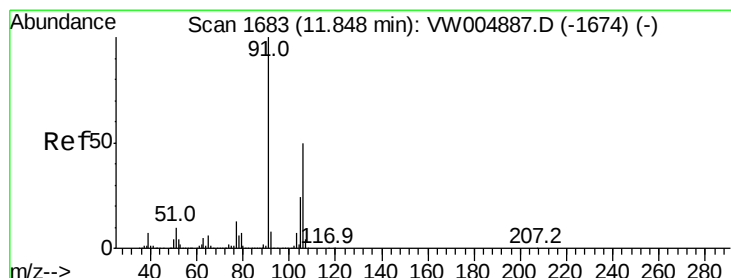
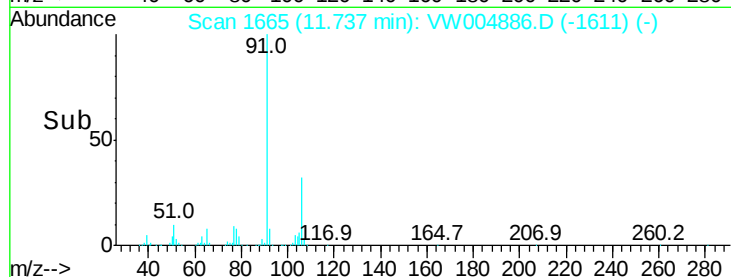
100000

50000

0

11.70 11.74 11.80

Time-->



#54

m,p-Xylene

Concen: 5.583 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004886.D

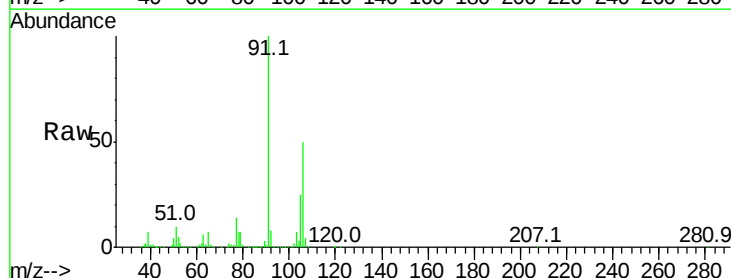
Acq: 22 Aug 2018 16:03

Tgt Ion: 106 Resp: 99306

Ion Ratio Lower Upper

106 100

91 199.5 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

120000

100000

80000

60000

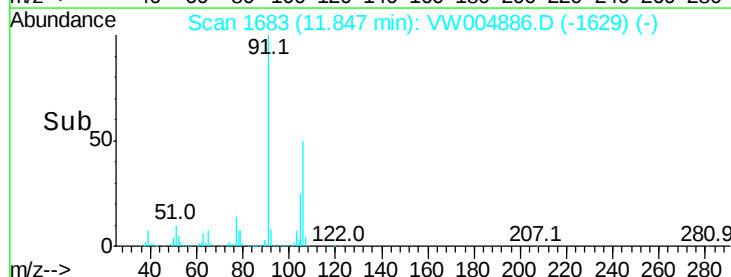
40000

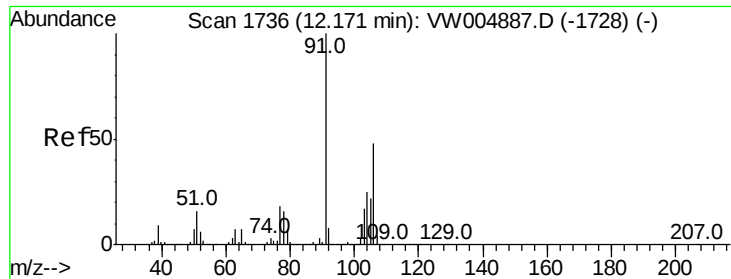
20000

0

11.80 11.85 11.90

Time-->

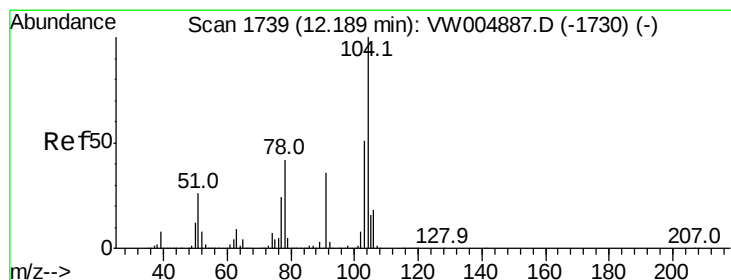
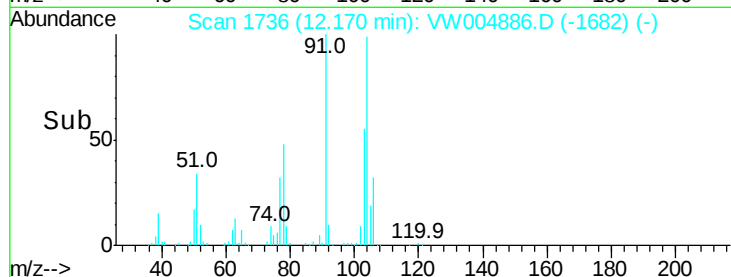
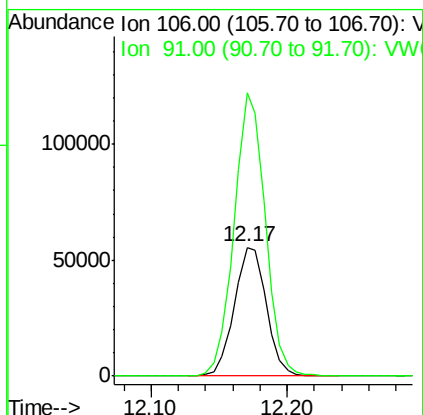
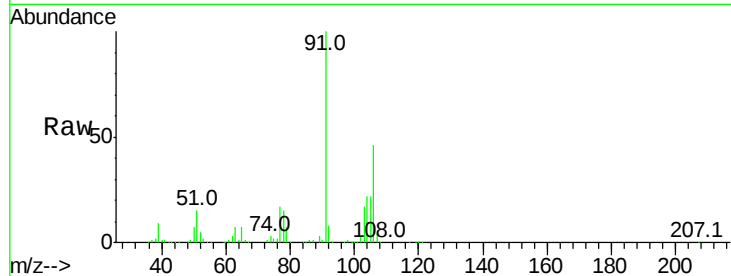




#55
o-xylene
Concen: 5.404 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

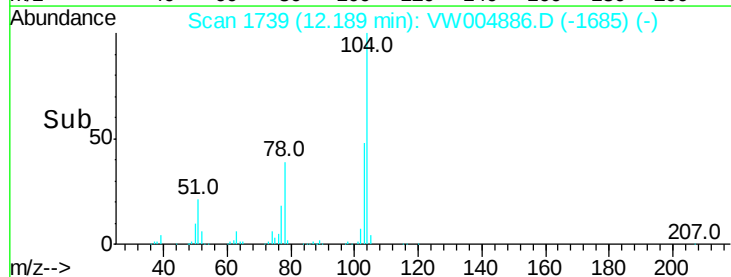
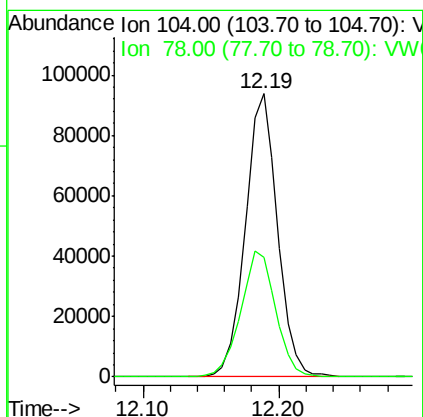
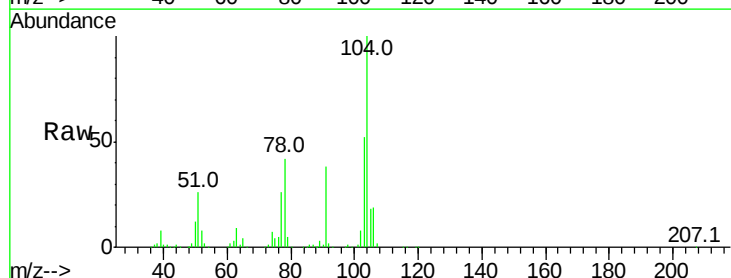
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

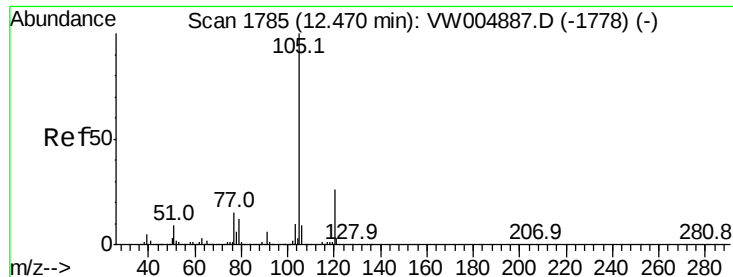
Tgt Ion:106 Resp: 91075
Ion Ratio Lower Upper
106 100
91 219.4 147.0 273.0



#56
Styrene
Concen: 5.275 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004886.D
Acq: 22 Aug 2018 16:03

Tgt Ion:104 Resp: 154918
Ion Ratio Lower Upper
104 100
78 42.0 29.8 55.3





#57

Isopropylbenzene

Concen: 5.291 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

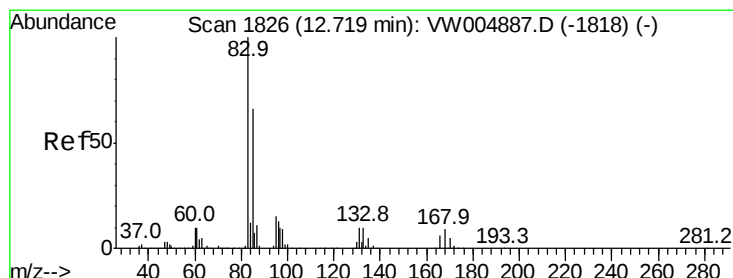
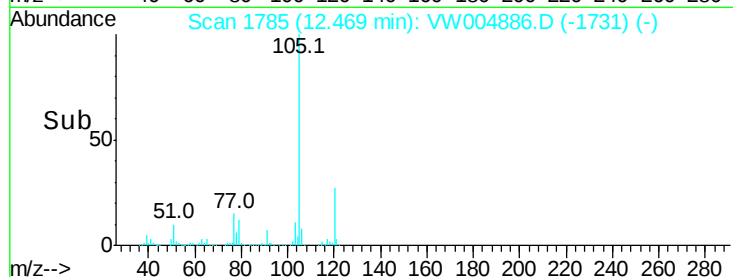
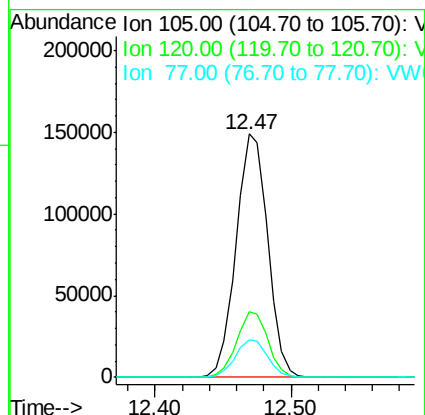
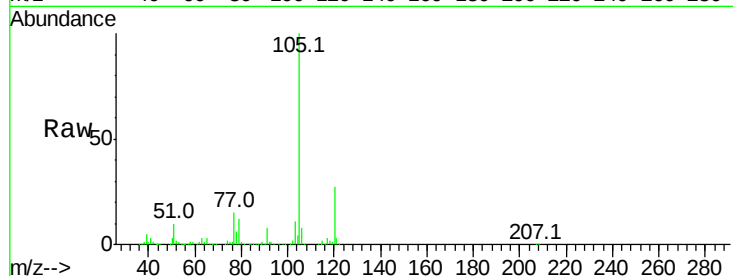
Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion:	105	Resp:	241343
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.3	31.9
77	15.7	12.0	18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 3.937 ug/L

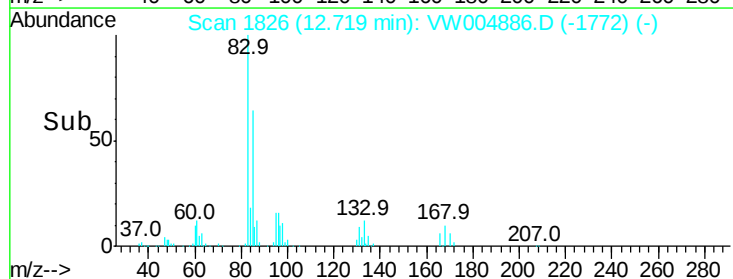
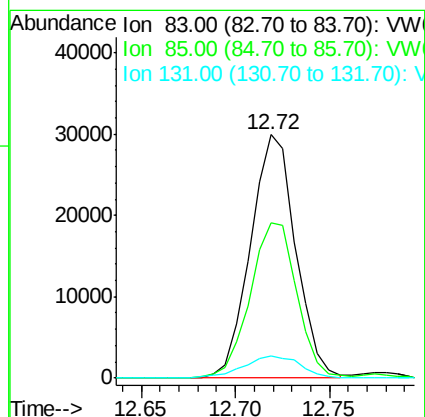
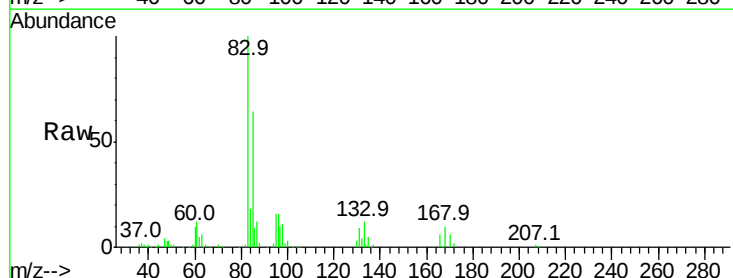
RT: 12.72 min Scan# 1826

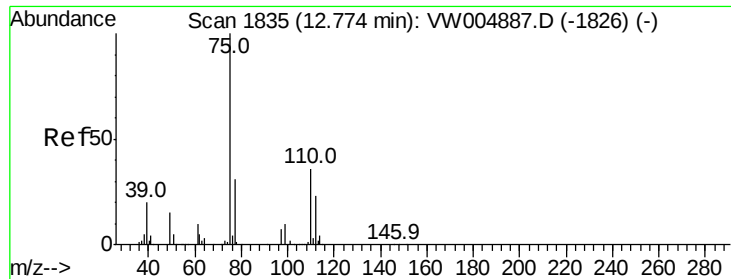
Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Tgt Ion:	83	Resp:	49604
Ion Ratio	Lower	Upper	
83	100		
85	63.7	46.3	85.9
131	9.4	7.8	11.6





#59

1,2,3-Trichloropropane

Concen: 4.162 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

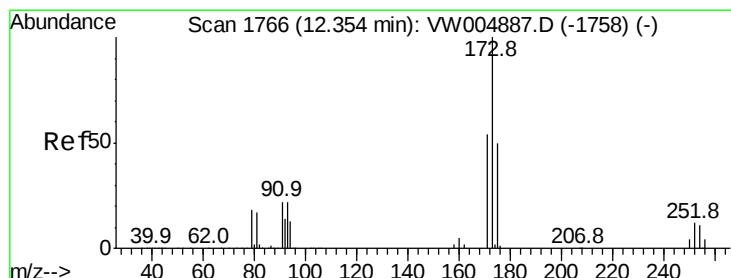
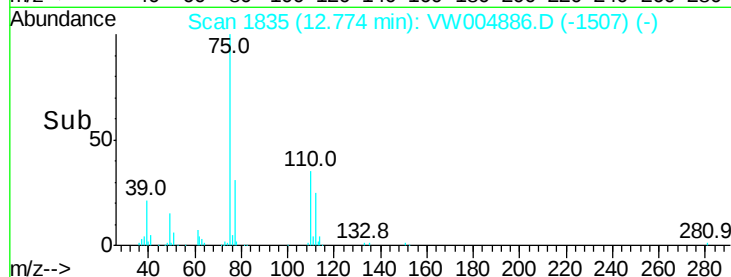
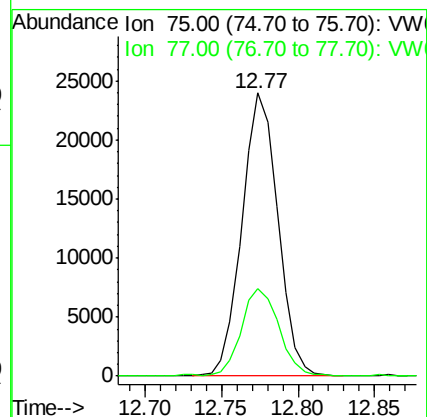
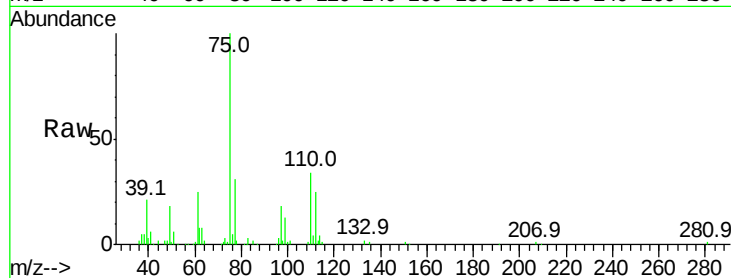
VSTD00582

Tgt Ion: 75 Resp: 39160

Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9



#62

Bromoform

Concen: 4.014 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. 0.01 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

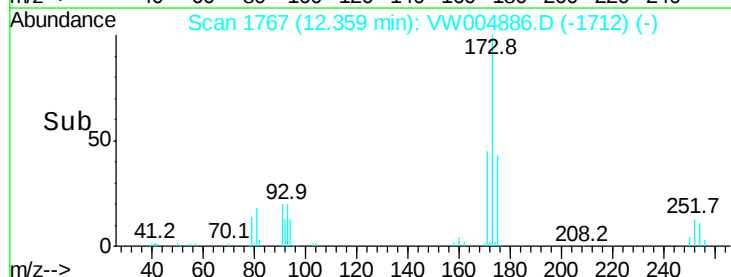
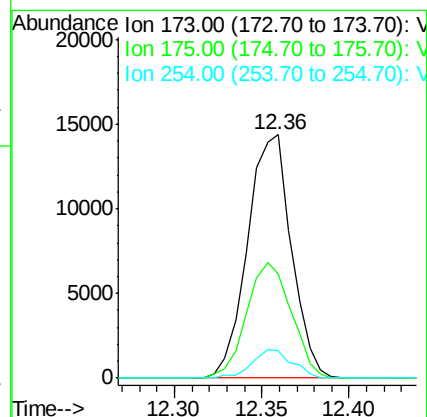
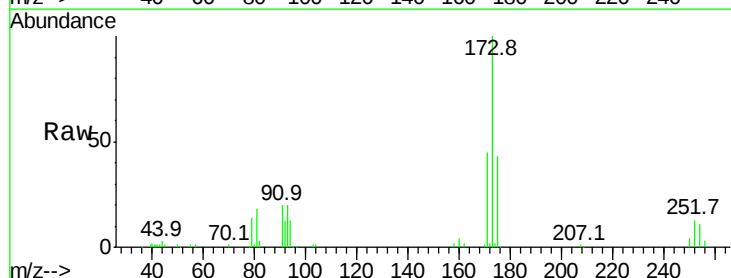
Tgt Ion: 173 Resp: 25129

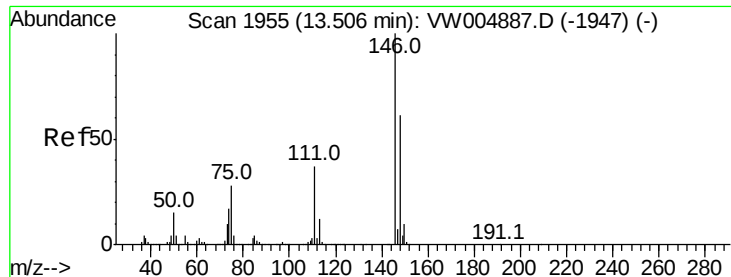
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.6

254 10.7 9.0 13.6

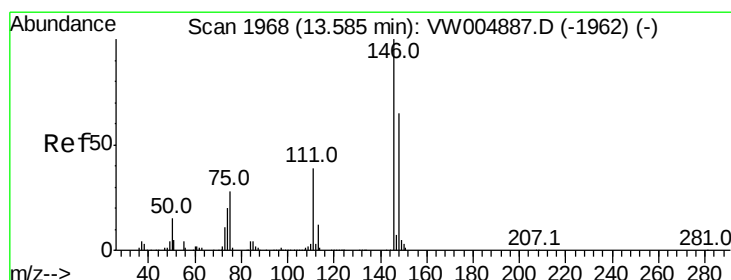
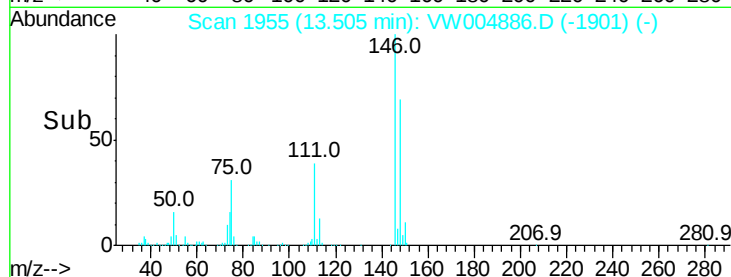
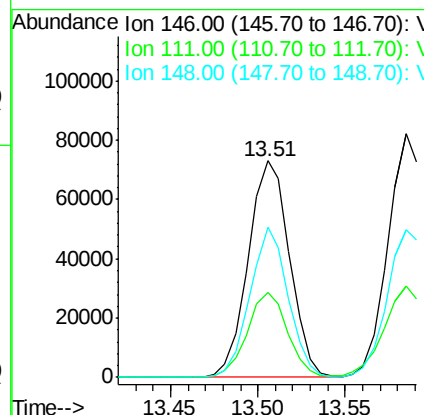
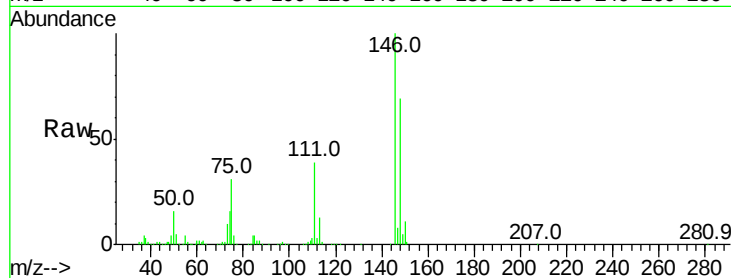




#63
 1,3-Dichlorobenzene
 Concen: 5.596 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

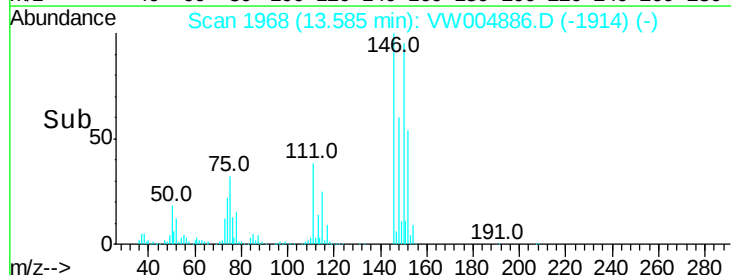
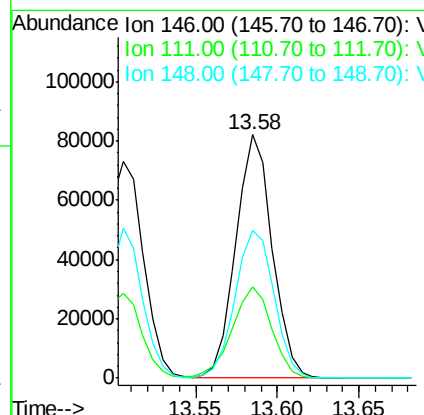
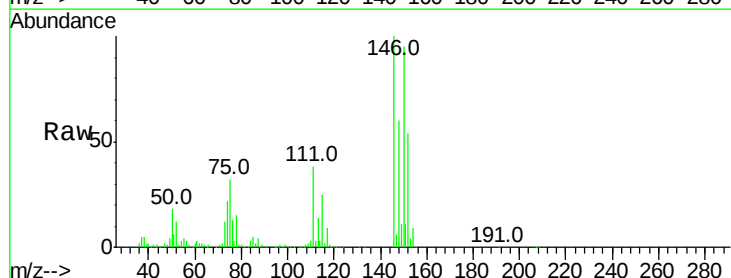
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

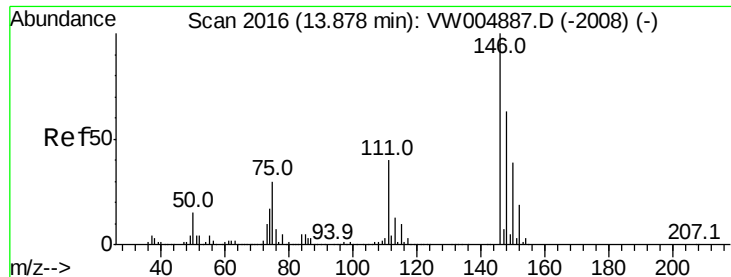
Tgt Ion:146 Resp: 119950
 Ion Ratio Lower Upper
 146 100
 111 39.4 25.6 47.6
 148 69.5 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 5.558 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

Tgt Ion:146 Resp: 128033
 Ion Ratio Lower Upper
 146 100
 111 37.7 27.6 51.4
 148 60.4 45.8 85.0

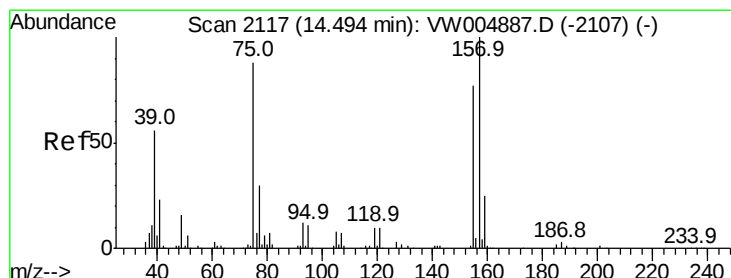
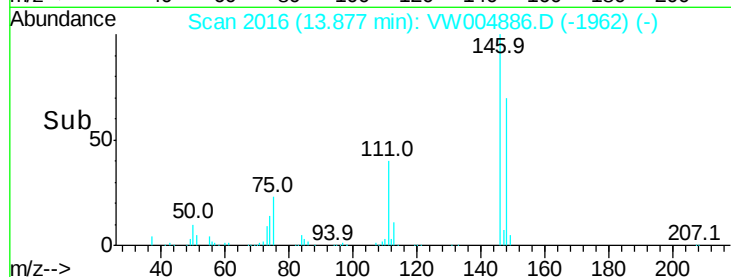
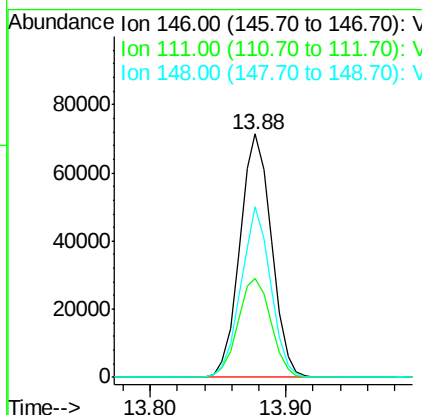
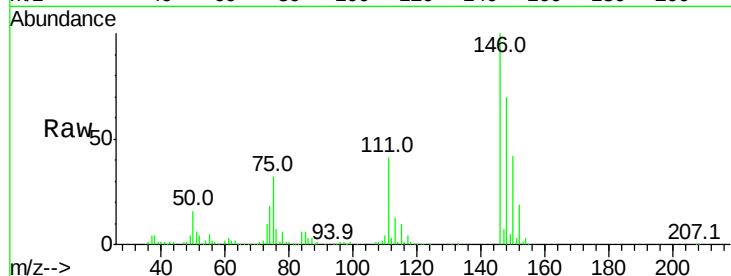




#65
 1,2-Dichlorobenzene
 Concen: 5.382 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

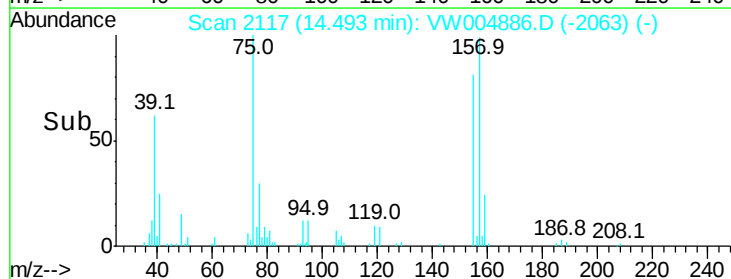
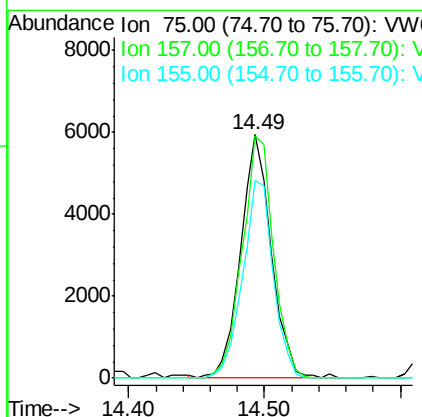
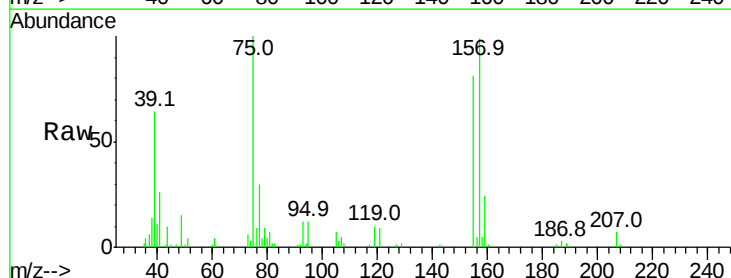
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

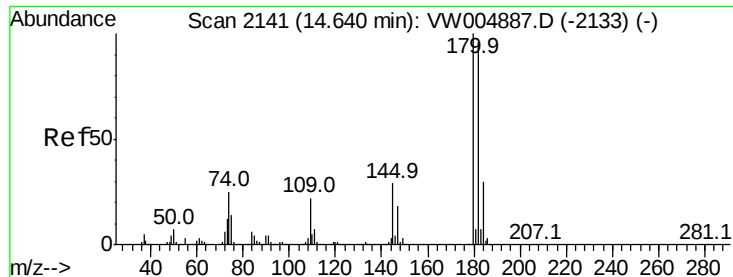
Tgt Ion:146 Resp: 115597
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.0 48.0
 148 69.9 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.226 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

Tgt Ion: 75 Resp: 9323
 Ion Ratio Lower Upper
 75 100
 157 99.5 90.7 136.1
 155 81.3 69.5 104.3

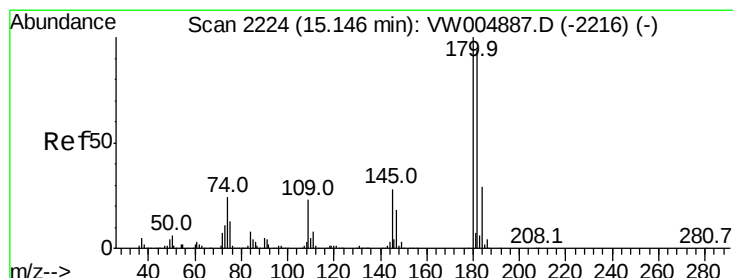
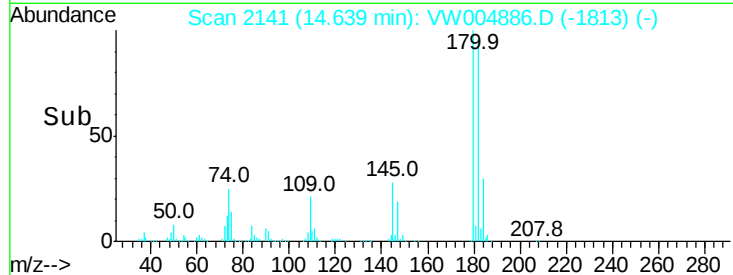
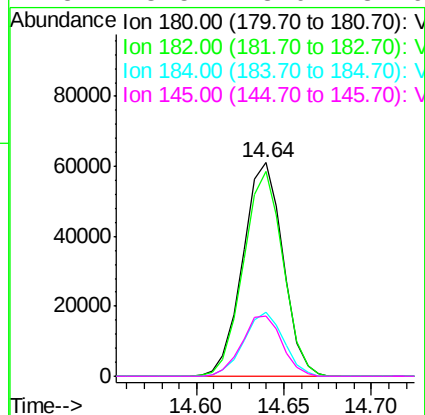
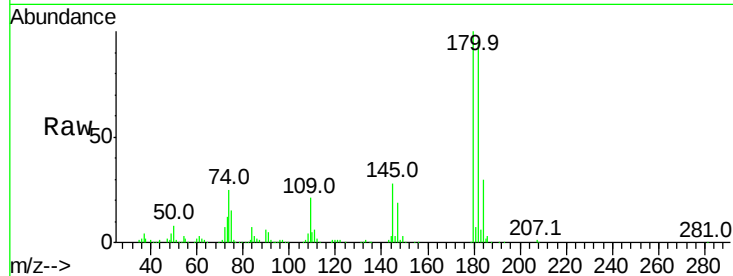




#67
 1,3,5-Trichlorobenzene
 Concen: 5.763 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

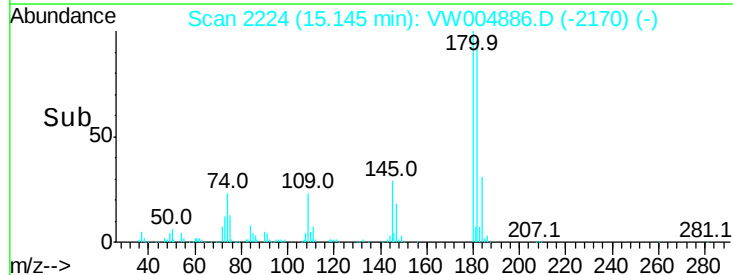
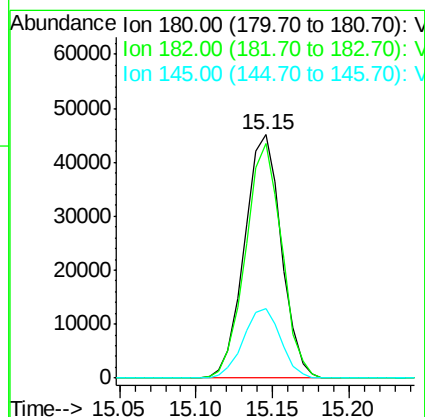
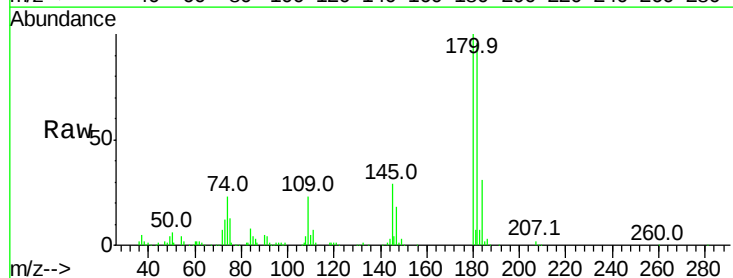
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

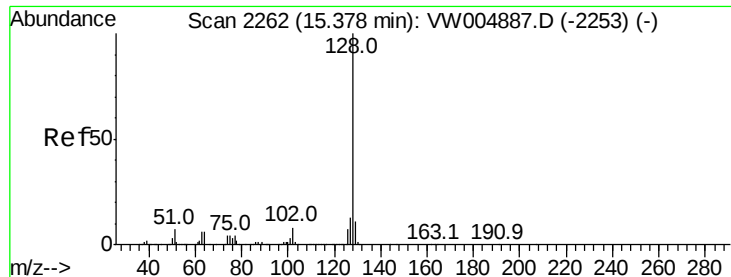
Tgt Ion:180 Resp: 97934
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.0 114.0
 184 29.5 24.3 36.5
 145 28.5 23.0 34.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.504 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004886.D
 Acq: 22 Aug 2018 16:03

Tgt Ion:180 Resp: 75662
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.1 114.1
 145 29.0 23.3 34.9





#69

Naphthalene

Concen: 4.162 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

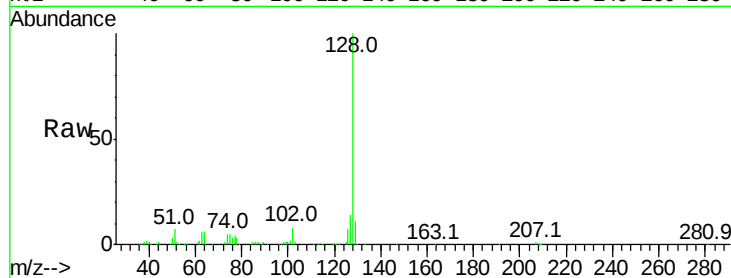
Tgt Ion:128 Resp: 130466

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

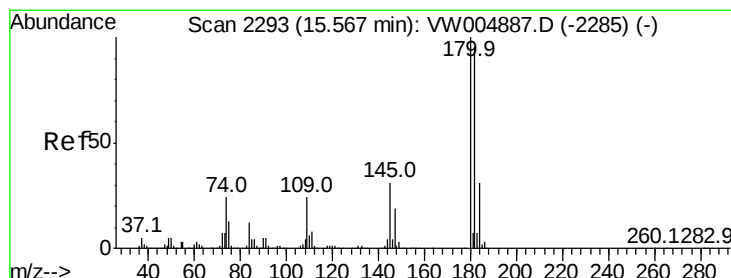
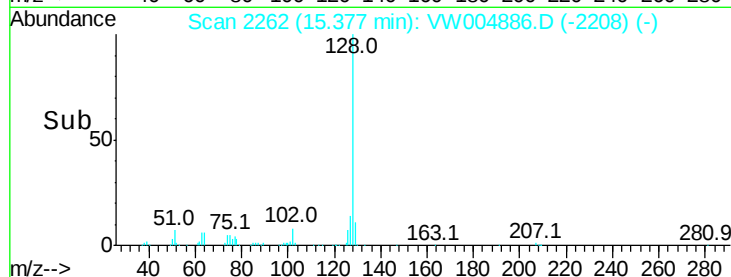
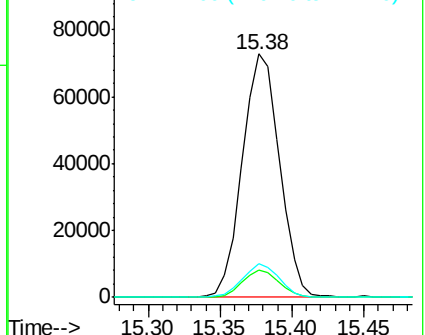
127 13.5 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.454 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004886.D

Acq: 22 Aug 2018 16:03

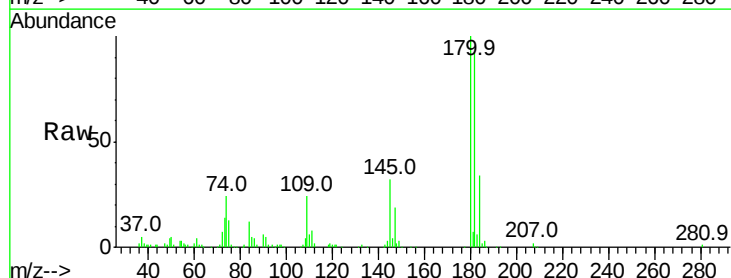
Tgt Ion:180 Resp: 73020

Ion Ratio Lower Upper

180 100

182 93.6 75.8 113.6

145 31.4 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

