

Data File : VW007919.D
Acq On : 26 Dec 2018 12:04
Operator : SY/AP
Sample : VSTD2.587
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

Quant Time: Dec 26 12:29:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 10:32:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	88510	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	80827	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	39689	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	2635	4.57	ug/L	0.00
7) Chloroethane-d5	2.89	69	775	1.59	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.01	63	7431	3.74	ug/L	0.00
20) 2-Butanone-d5	7.07	46	1437	3.95	ug/L	0.00
24) Chloroform-d	7.65	84	7698	3.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	4702	3.96	ug/L	0.00
29) Benzene-d6	8.27	84	14654	3.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	4019	3.21	ug/L	0.00
37) Toluene-d8	10.32	98	14253	3.46	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	2251	3.51	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2160	7.16	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4119	3.61	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	5608	4.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	1869	1.934 ug/L #	77
3) Chloromethane	2.21	50	2234	2.887 ug/L	86
5) Vinyl chloride	2.36	62	2468	3.381 ug/L	86
6) Bromomethane	2.79	94	1422	2.816 ug/L	90
8) Chloroethane	2.93	64	870	1.980 ug/L	83
9) Trichlorofluoromethane	3.26	101	1905	2.273 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	1459	1.306 ug/L #	72
12) 1,1-Dichloroethene	4.04	96	2572	2.474 ug/L	92
13) Acetone	4.12	43	2144	5.074 ug/L	86
14) Carbon disulfide	4.38	76	7974	2.627 ug/L	99
15) Methyl Acetate	4.67	43	1575	2.486 ug/L #	68
16) Methylene chloride	4.91	84	2824	1.975 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	4910	2.905 ug/L #	87
18) trans-1,2-Dichloroethene	5.42	96	1991	1.785 ug/L	95
19) 1,1-Dichloroethane	6.21	63	4817	2.534 ug/L	97
21) 2-Butanone	7.17	43	2617	5.762 ug/L	82
22) cis-1,2-Dichloroethene	7.17	96	3210	2.616 ug/L	95
23) Bromochloromethane	7.51	128	1459	2.608 ug/L	94
25) Chloroform	7.67	83	5299	2.576 ug/L	95
27) 1,2-Dichloroethane	8.40	62	3948	2.685 ug/L	97
30) Cyclohexane	7.96	56	4388	2.263 ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	5023	2.640 ug/L	96
32) Carbon tetrachloride	8.07	117	4777	2.599 ug/L	100
34) Benzene	8.32	78	11178	2.413 ug/L	100
35) Trichloroethene	9.09	95	3337	2.512 ug/L	96
36) Methylcyclohexane	9.34	83	5546	2.418 ug/L	97
40) 1,2-Dichloropropane	9.37	63	2661	2.348 ug/L #	91
41) Bromodichloromethane	9.64	83	3710	2.280 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	4482	2.355 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	4820	5.373 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	12653	2.534	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	4162	2.490	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	2230	2.390	ug/L	94
47) Tetrachloroethene	10.86	164	2564	2.555	ug/L	95
49) 2-Hexanone	10.98	43	3233	5.128	ug/L #	97
50) Dibromochloromethane	11.13	129	2800	2.442	ug/L	91
51) 1,2-Dibromoethane	11.24	107	2233	2.383	ug/L #	98
52) Chlorobenzene	11.66	112	8305	2.563	ug/L	95
53) Ethylbenzene	11.73	91	14142	2.519	ug/L	100
54) m,p-Xylene	11.84	106	5378	2.521	ug/L	88
55) o-xylene	12.17	106	5097	2.529	ug/L	97
56) Styrene	12.18	104	8414	2.435	ug/L	100
57) Isopropylbenzene	12.47	105	14409	2.561	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.72	83	3031	2.620	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	2321	2.535	ug/L	92
62) Bromoform	12.35	173	1627	2.394	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	6788	2.662	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	6731	2.648	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	6390	2.800	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	4969	2.690	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	4326	2.717	ug/L	94
69) Naphthalene	15.37	128	9668	2.456	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	3845	2.656	ug/L	96

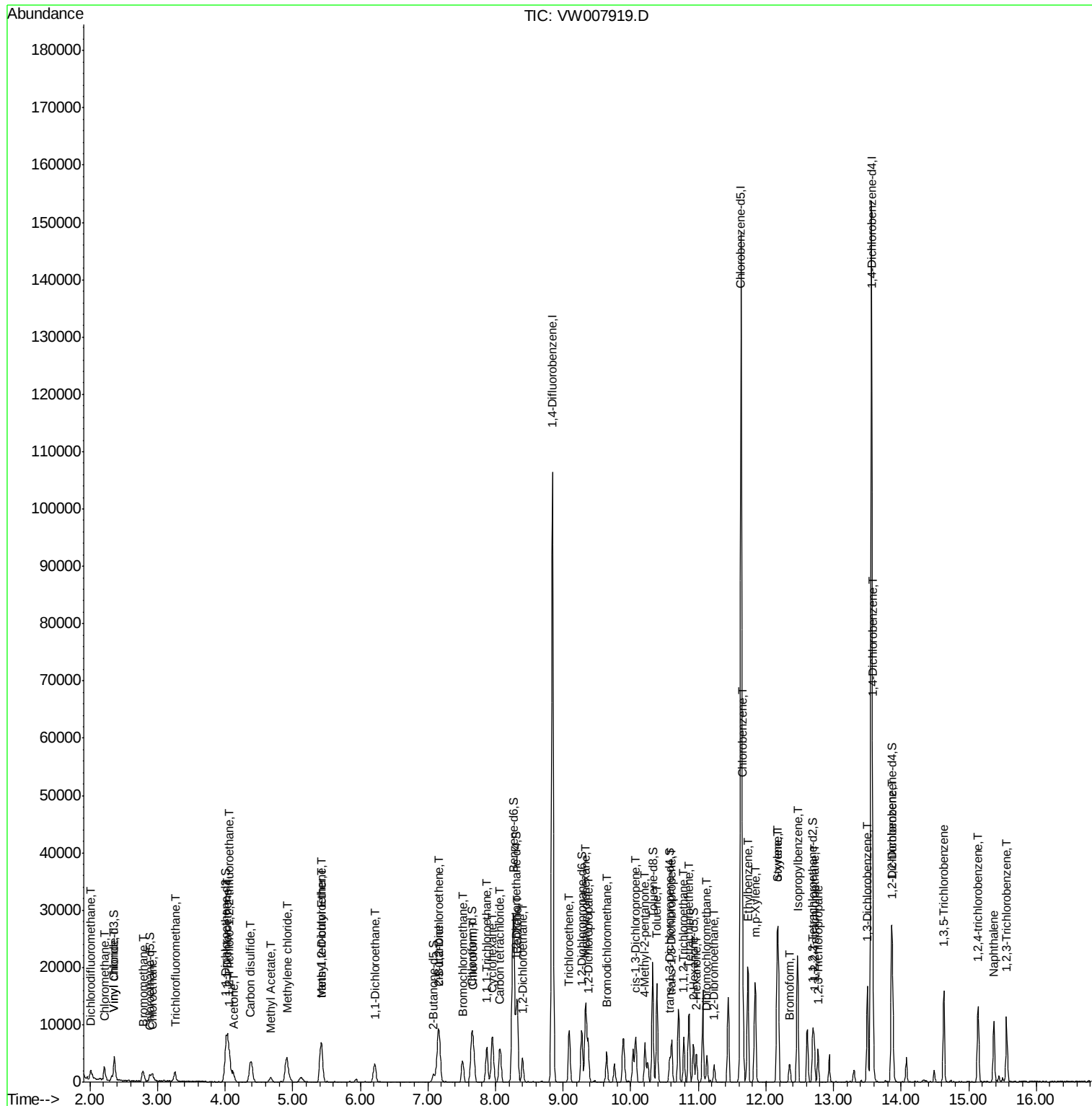
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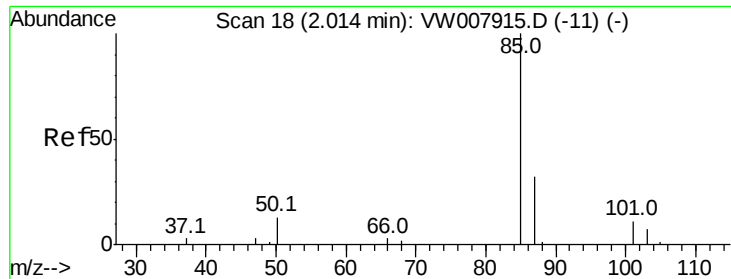
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#2

Dichlorodifluoromethane

Concen: 1.934 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

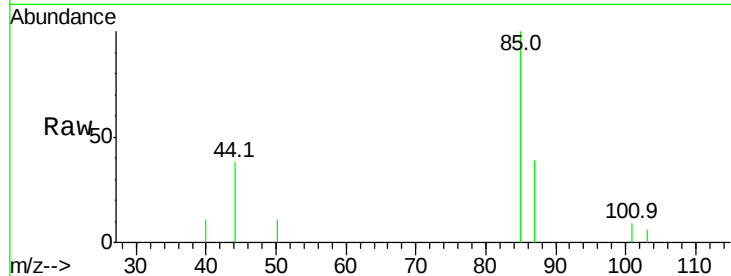
VSTD2.587

Tgt Ion: 85 Resp: 1869

Ion Ratio Lower Upper

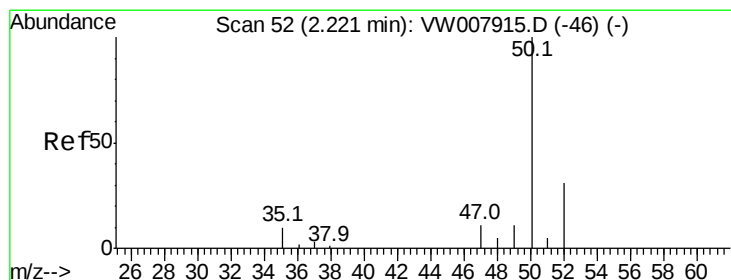
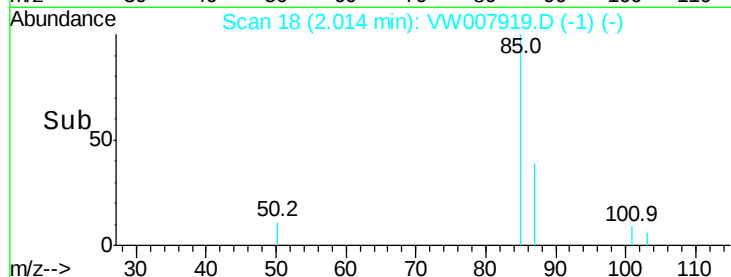
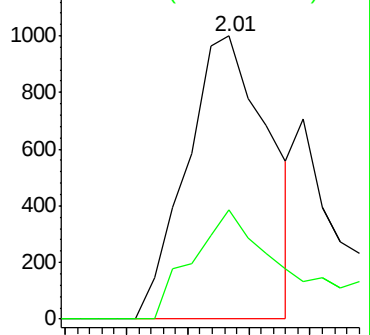
85 100

87 41.8 20.6 38.4#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.887 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007919.D

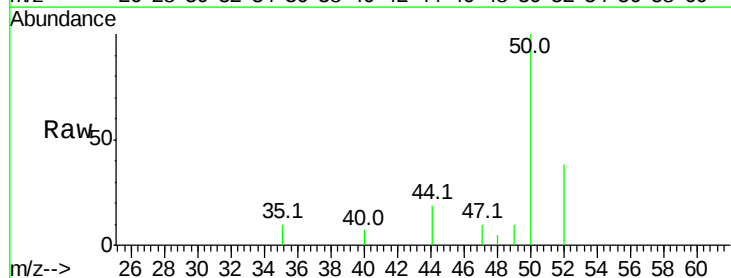
Acq: 26 Dec 2018 12:04

Tgt Ion: 50 Resp: 2234

Ion Ratio Lower Upper

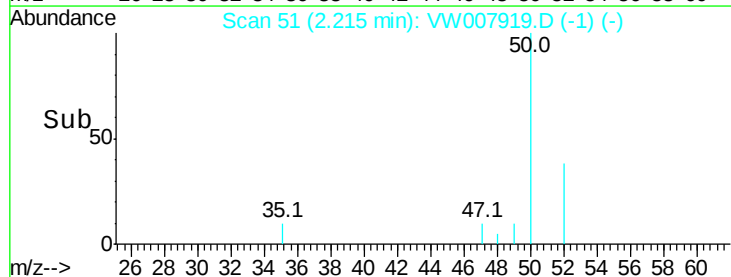
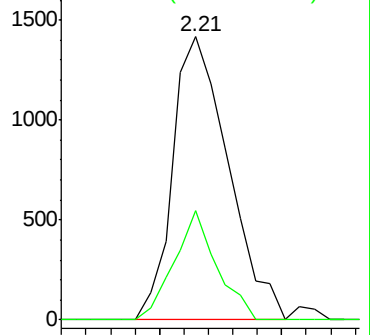
50 100

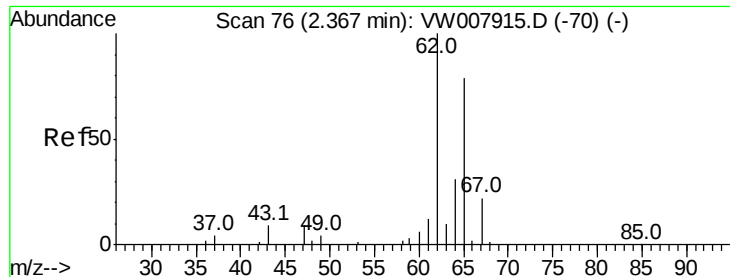
52 38.5 21.4 39.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 3.381 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

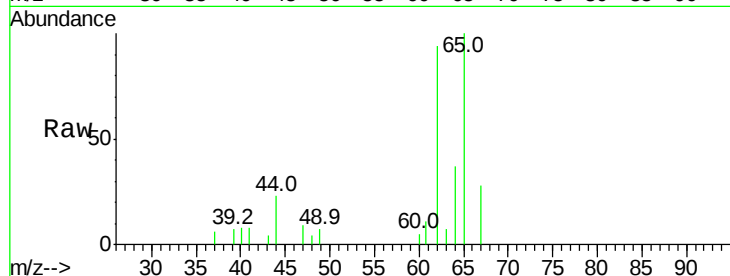
VSTD2.587

Tgt Ion: 62 Resp: 2468

Ion Ratio Lower Upper

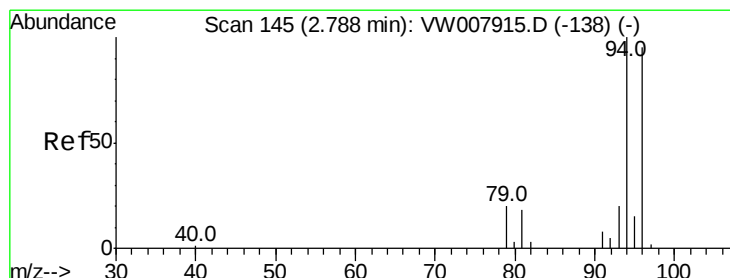
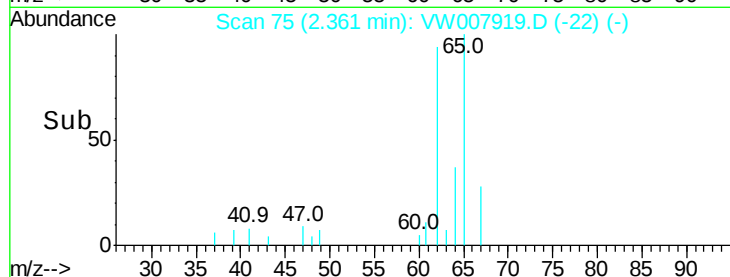
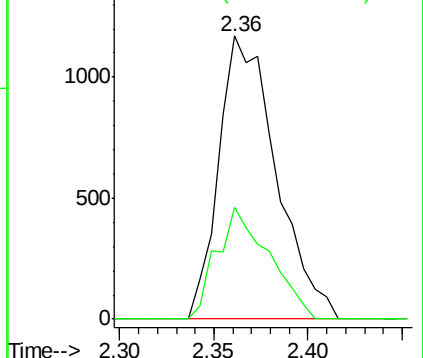
62 100

64 39.3 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 2.816 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW007919.D

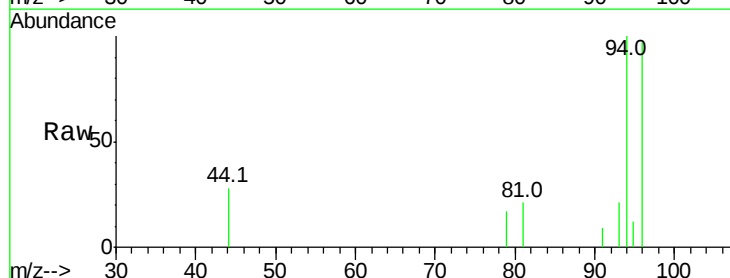
Acq: 26 Dec 2018 12:04

Tgt Ion: 94 Resp: 1422

Ion Ratio Lower Upper

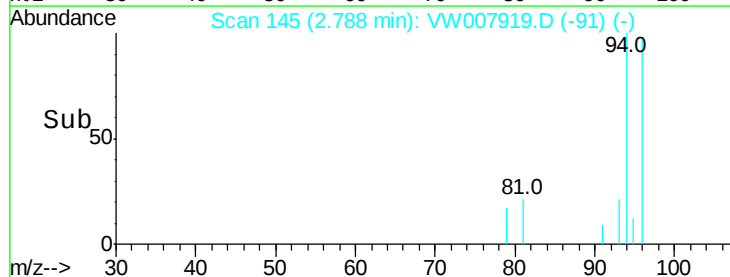
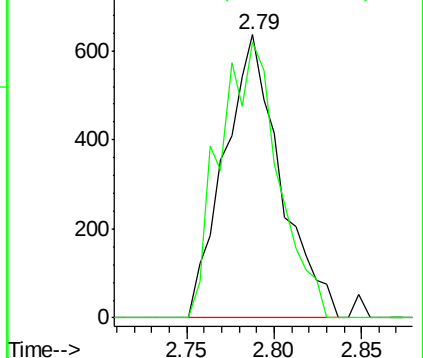
94 100

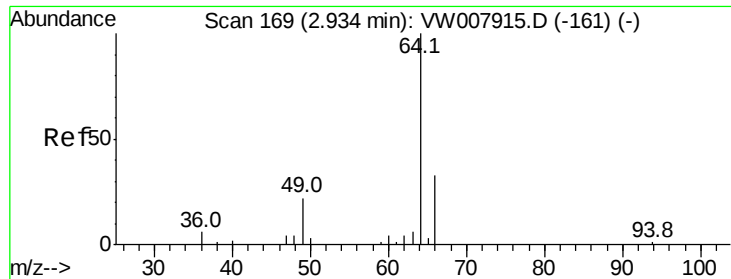
96 102.3 9.2 175.4



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 1.980 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

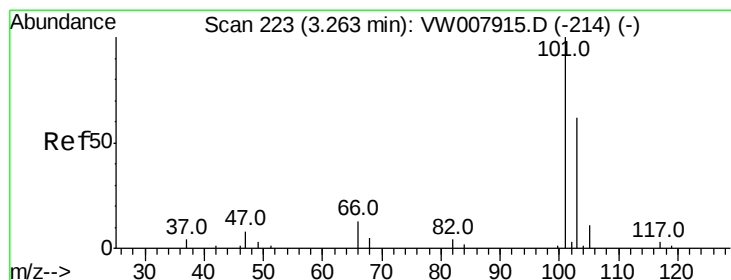
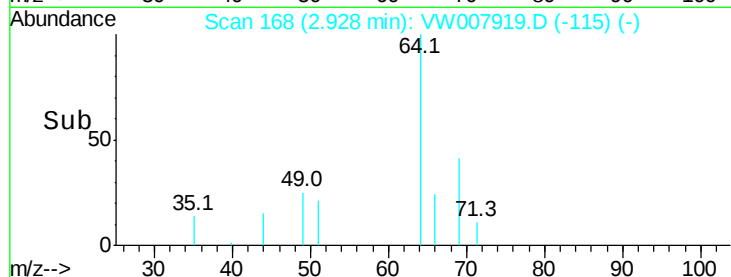
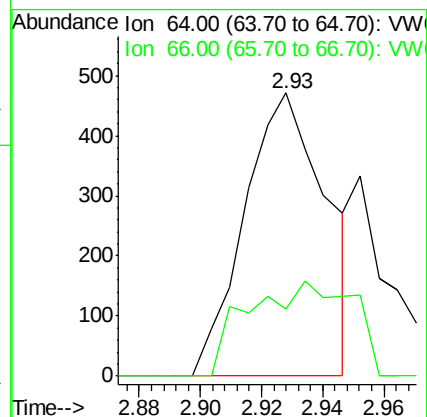
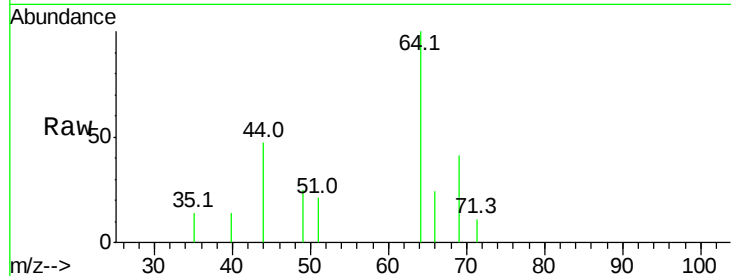
VSTD2.587

Tgt Ion: 64 Resp: 870

Ion Ratio Lower Upper

64 100

66 23.8 23.3 43.3



#9

Trichlorofluoromethane

Concen: 2.273 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007919.D

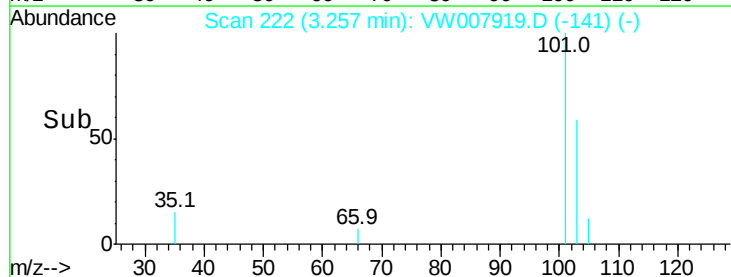
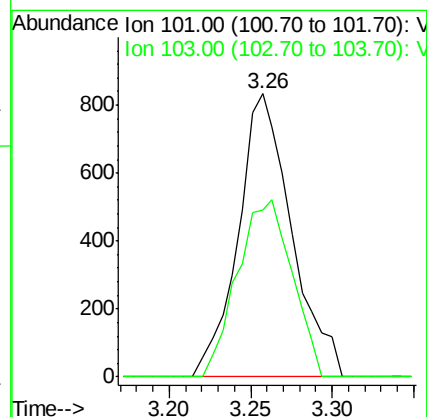
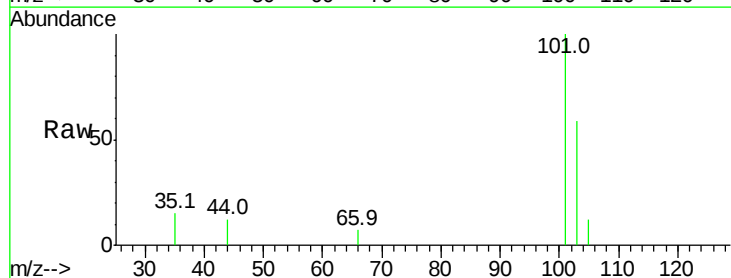
Acq: 26 Dec 2018 12:04

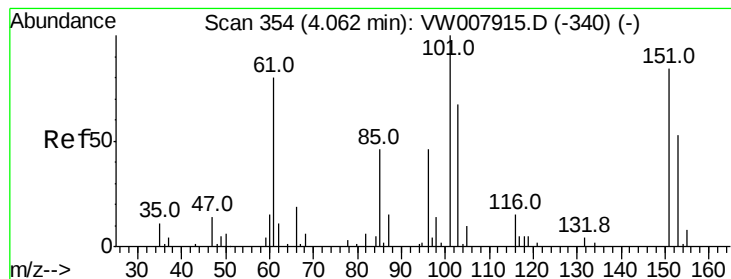
Tgt Ion: 101 Resp: 1905

Ion Ratio Lower Upper

101 100

103 64.1 44.7 83.1





#11

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

Concen: 1.306 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

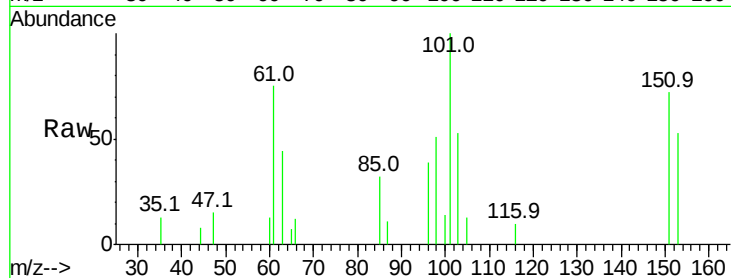
Tgt Ion:101 Resp: 1459

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

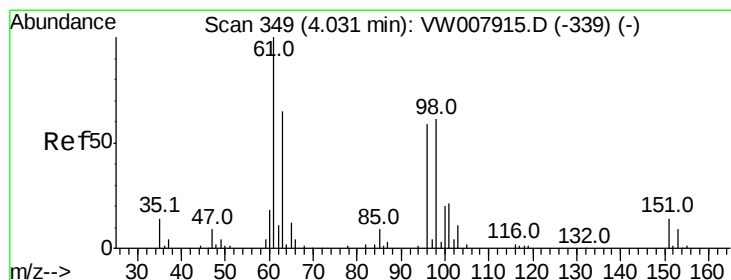
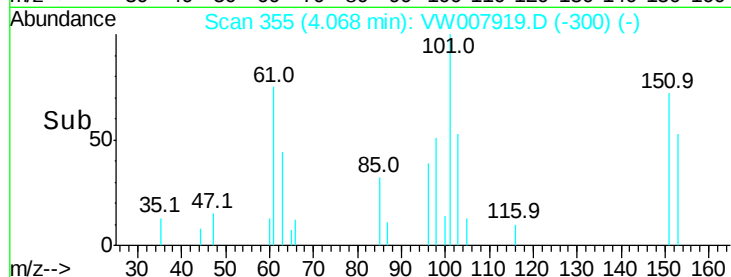
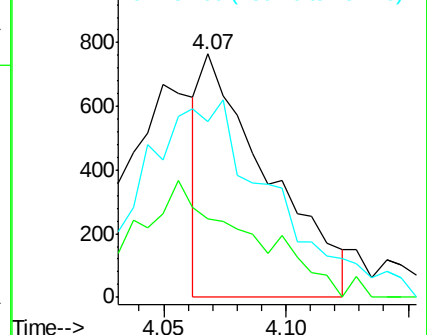
151 85.3 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.474 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

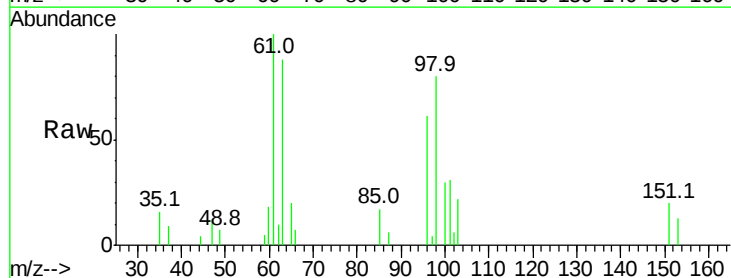
Tgt Ion: 96 Resp: 2572

Ion Ratio Lower Upper

96 100

61 164.0 120.3 223.3

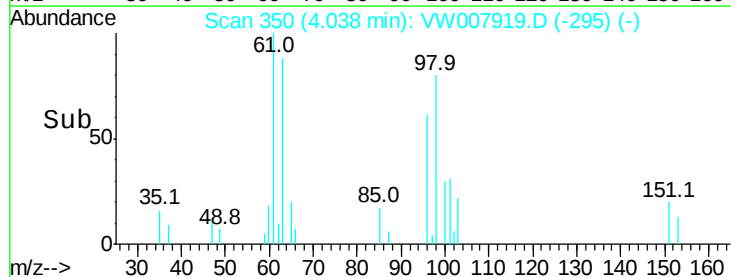
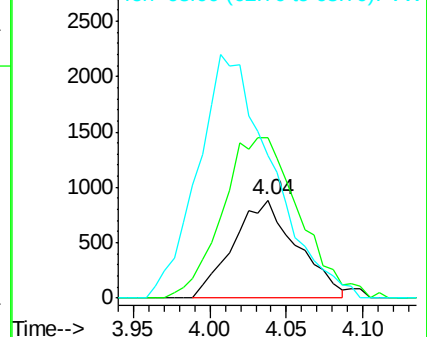
63 144.7 91.6 170.0

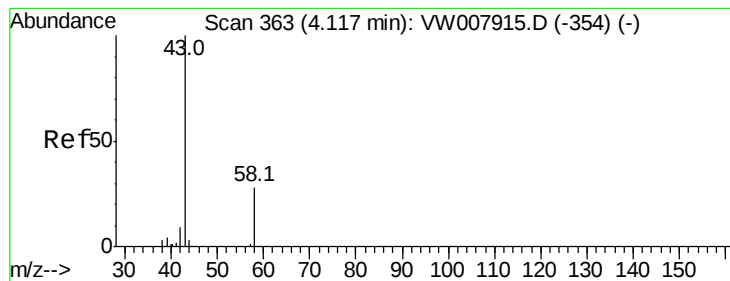


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.074 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 26 Dec 2018 12:04

Instrument :

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ClientSampleId :

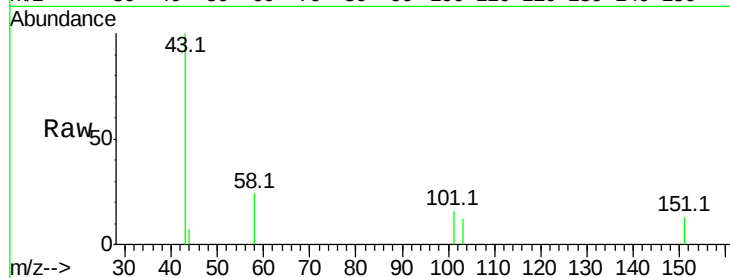
VSTD2.587

Tgt Ion: 43 Resp: 2144

Ion Ratio Lower Upper

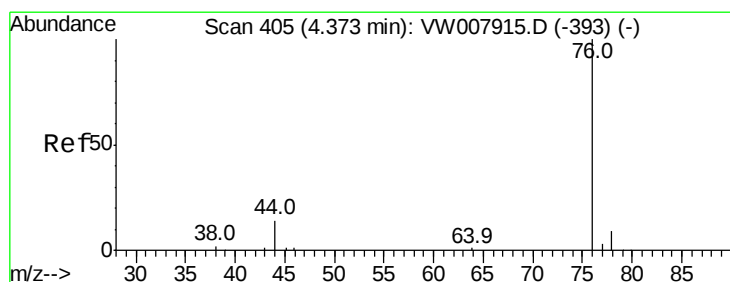
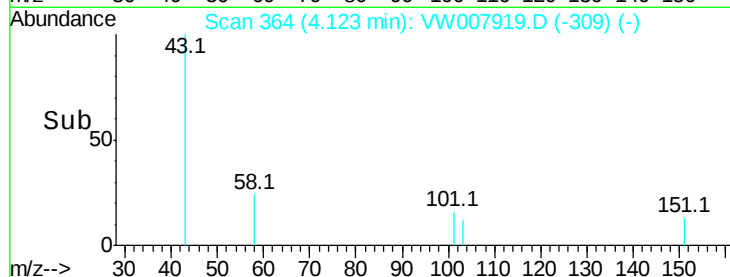
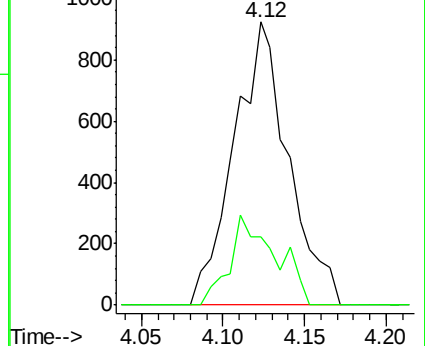
43 100

58 22.0 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.627 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007919.D

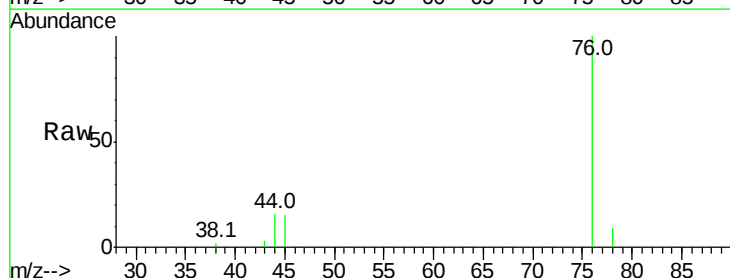
Acq: 26 Dec 2018 12:04

Tgt Ion: 76 Resp: 7974

Ion Ratio Lower Upper

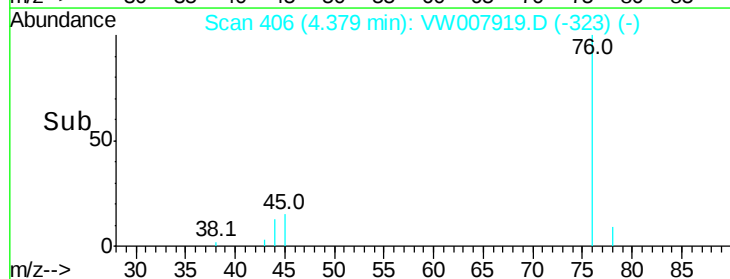
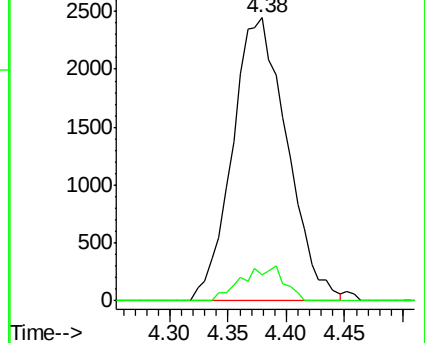
76 100

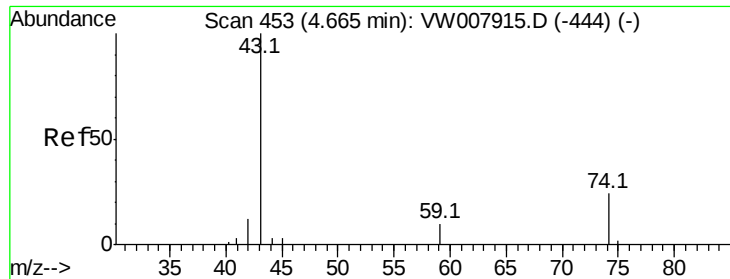
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

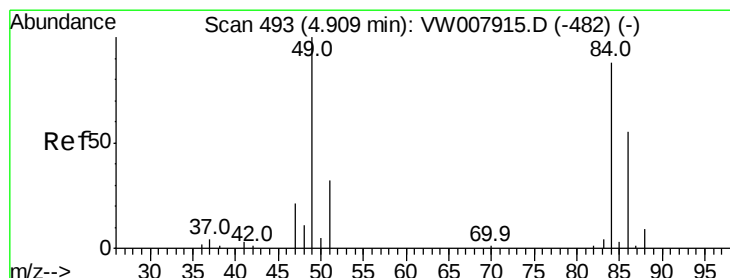
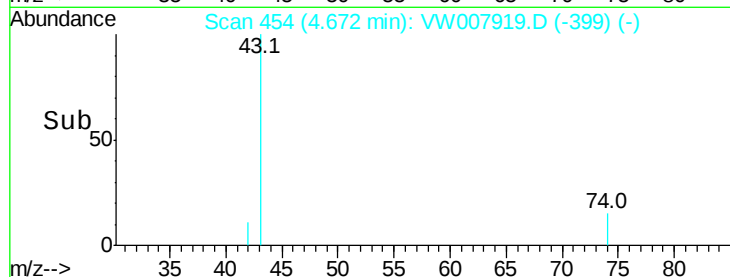
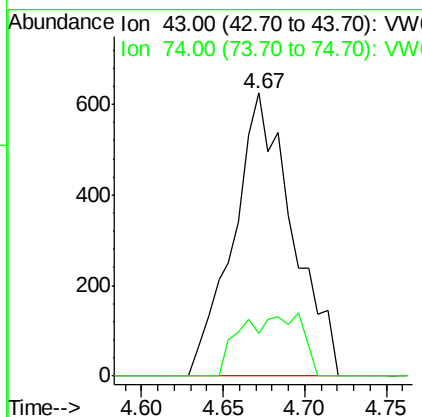
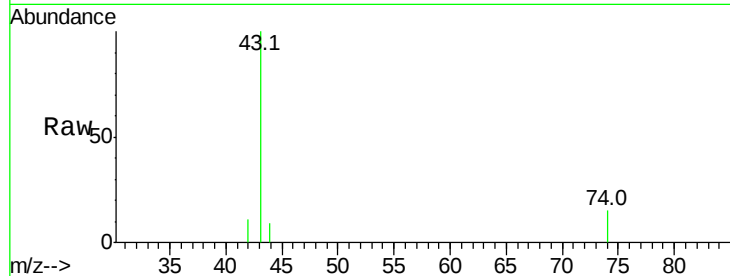




#15
Methyl Acetate
Concen: 2.486 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

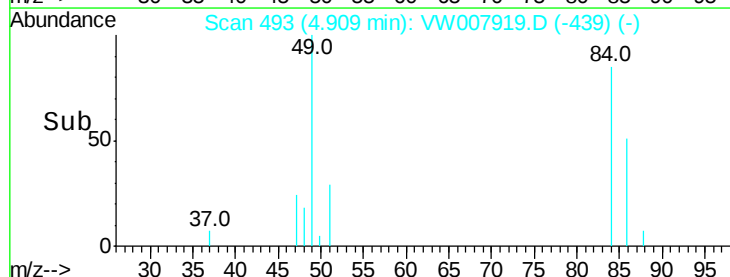
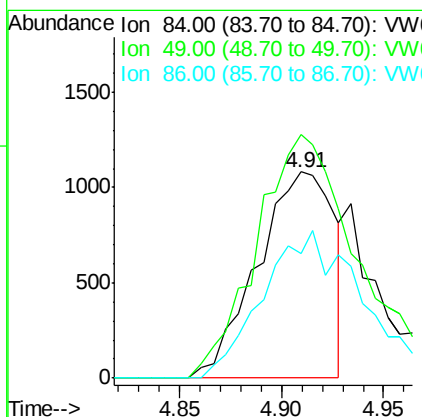
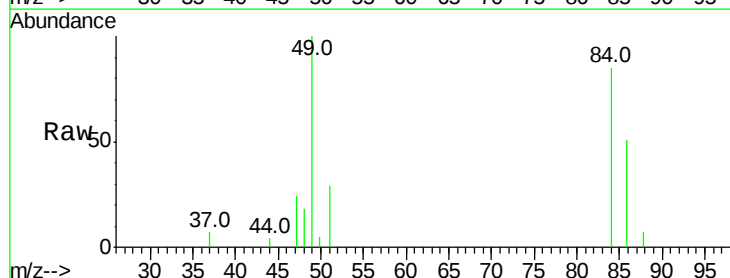
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

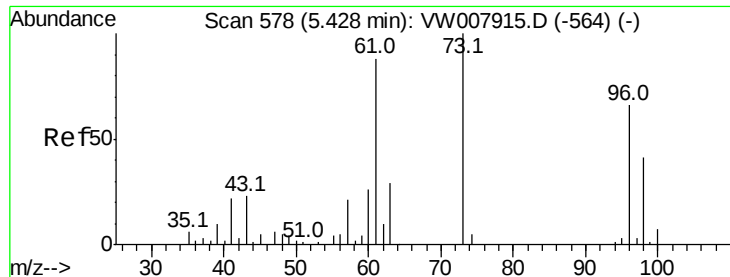
Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
74 9.3 20.2 30.2#



#16
Methylene chloride
Concen: 1.975 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Tgt Ion: 84 Resp: 2824
Ion Ratio Lower Upper
84 100
49 117.9 79.2 147.0
86 60.2 43.2 80.2

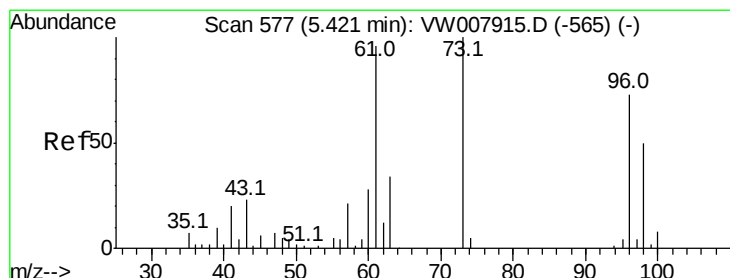
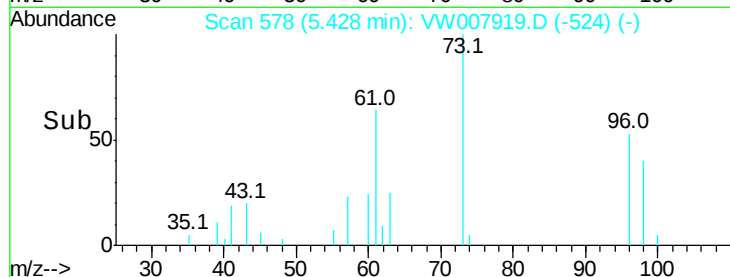
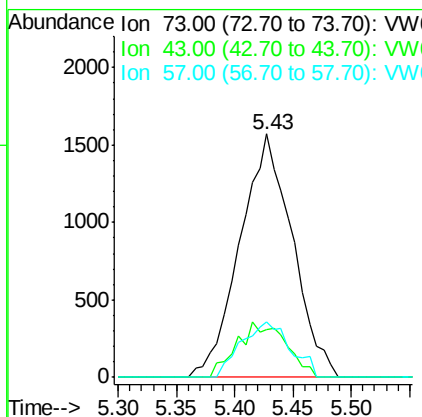
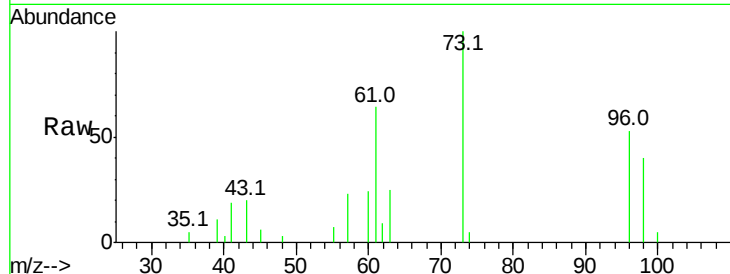




#17
Methyl tert-butyl Ether
Concen: 2.905 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

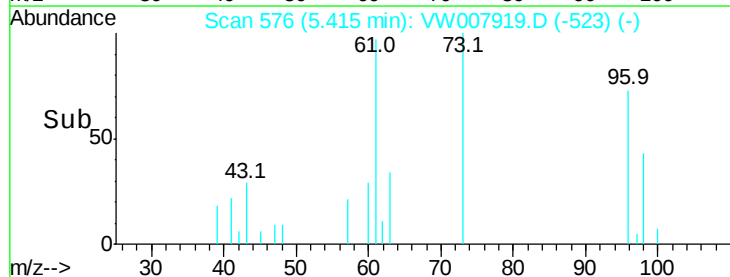
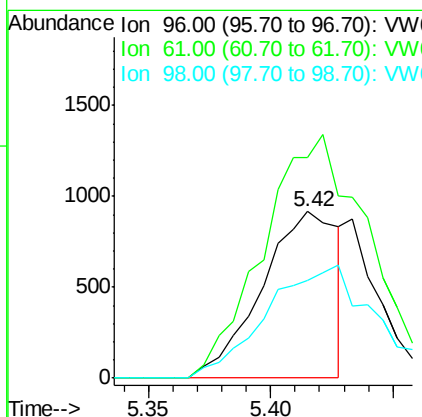
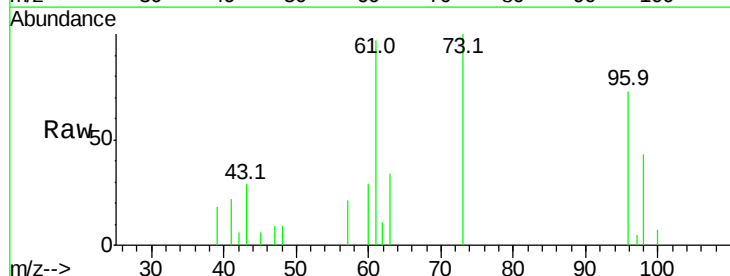
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

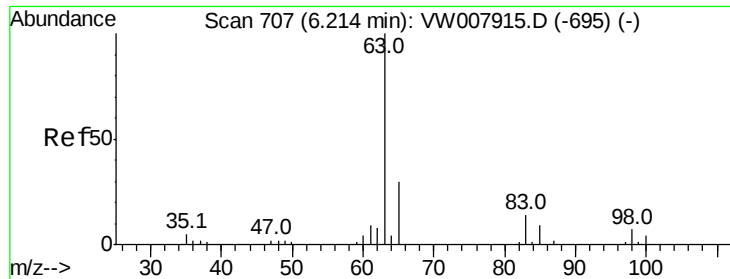
Tgt Ion: 73 Resp: 4910
Ion Ratio Lower Upper
73 100
43 11.0 18.5 27.7#
57 20.3 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 1.785 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Tgt Ion: 96 Resp: 1991
Ion Ratio Lower Upper
96 100
61 132.9 91.4 169.8
98 58.9 48.0 89.2

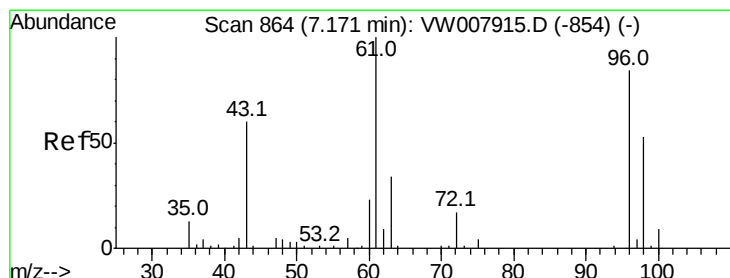
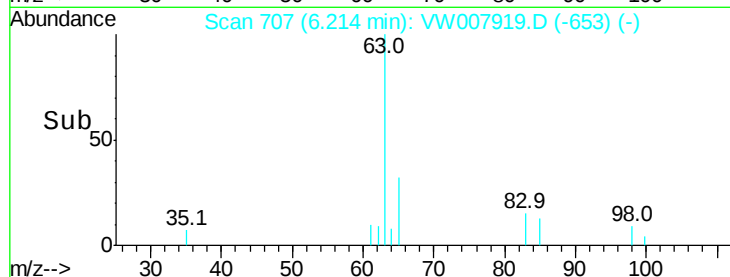
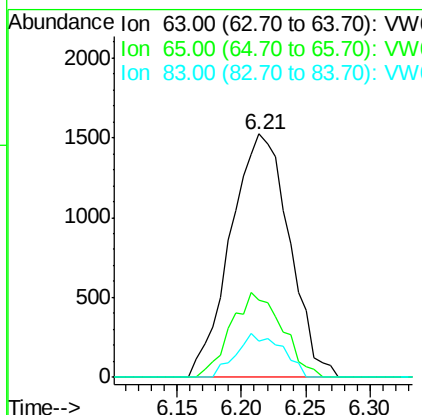
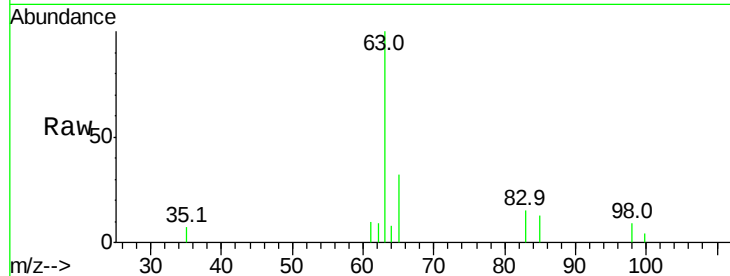




#19
 1,1-Dichloroethane
 Concen: 2.534 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

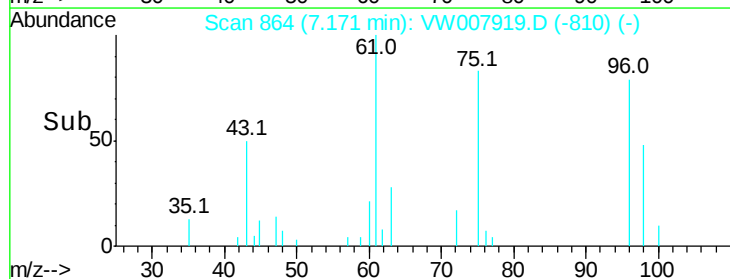
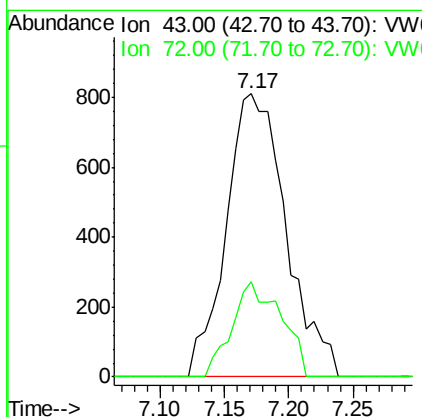
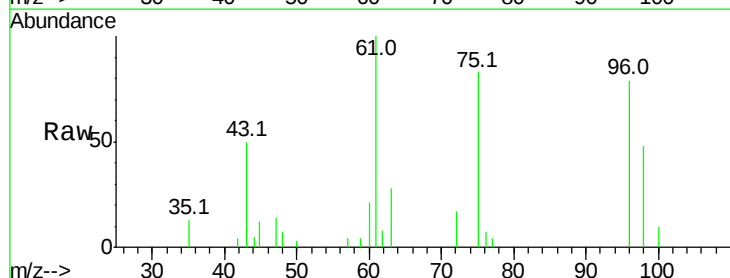
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

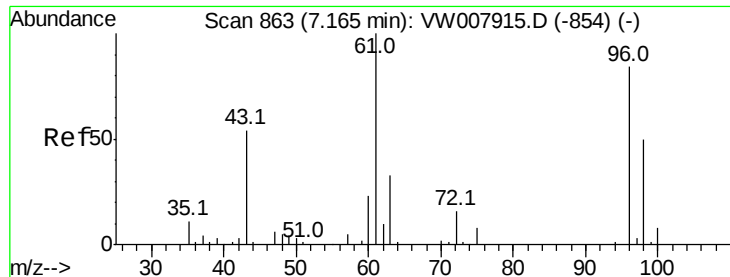
Tgt Ion: 63 Resp: 4817
 Ion Ratio Lower Upper
 63 100
 65 31.6 20.6 38.4
 83 14.8 10.0 18.6



#21
 2-Butanone
 Concen: 5.762 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Tgt Ion: 43 Resp: 2617
 Ion Ratio Lower Upper
 43 100
 72 19.1 14.4 43.4



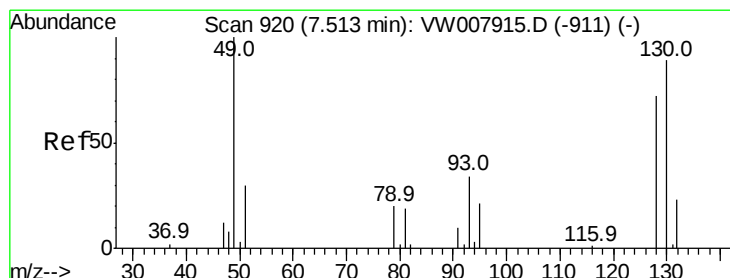
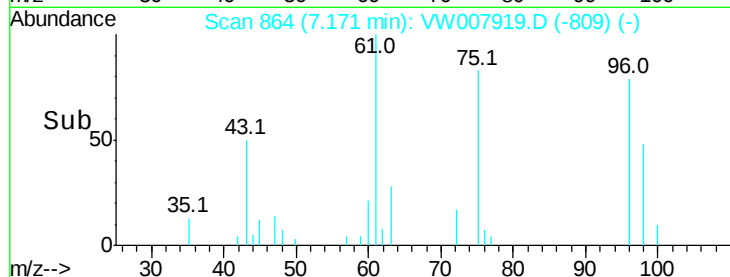
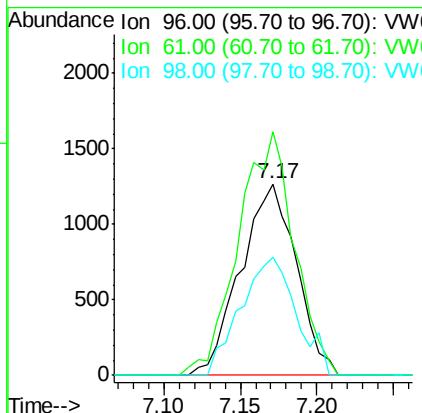
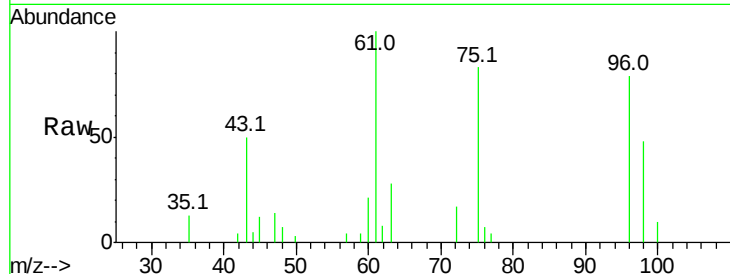


#22

cis-1,2-Dichloroethene
Concen: 2.616 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

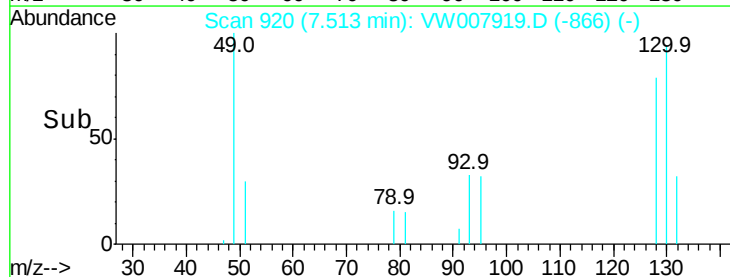
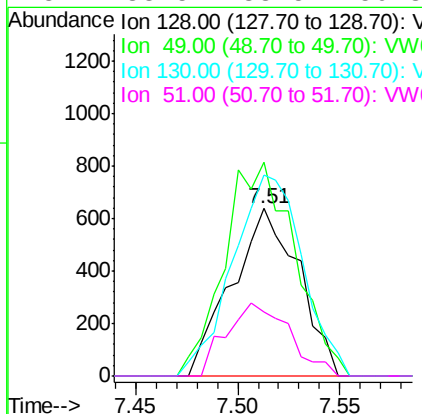
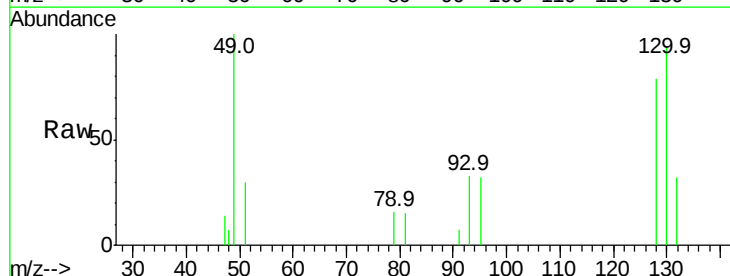
Tgt Ion: 96 Resp: 3210
Ion Ratio Lower Upper
96 100
61 127.3 83.4 155.0
98 61.7 42.3 78.5

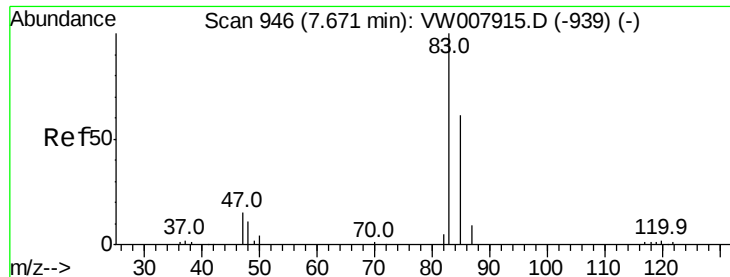


#23

Bromochloromethane
Concen: 2.608 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Tgt Ion: 128 Resp: 1459
Ion Ratio Lower Upper
128 100
49 127.4 96.9 180.1
130 119.7 86.2 160.0
51 38.5 33.5 50.3

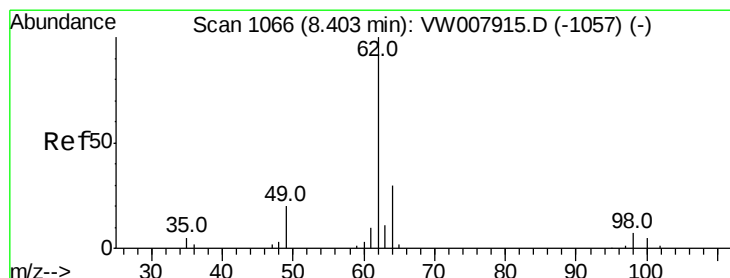
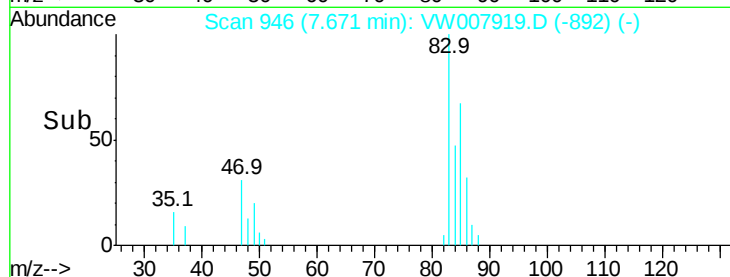
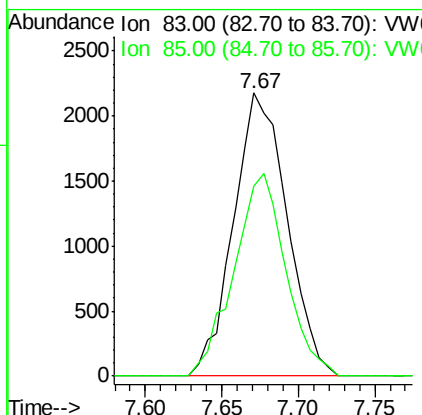
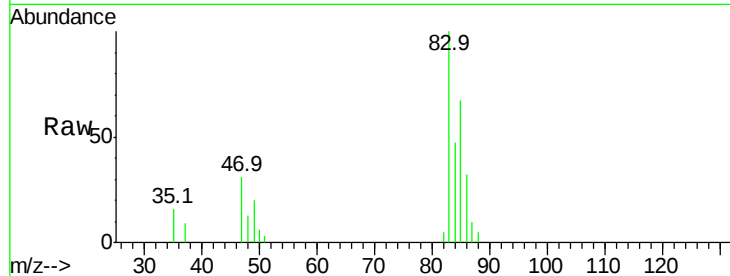




#25
Chloroform
Concen: 2.576 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

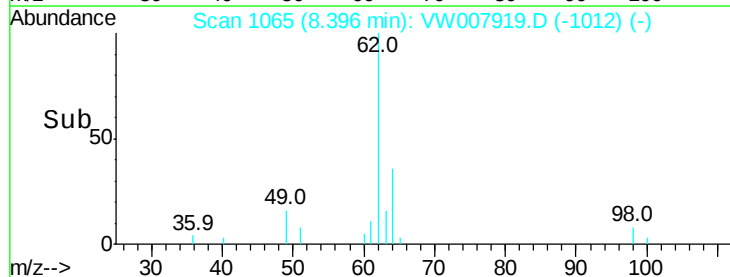
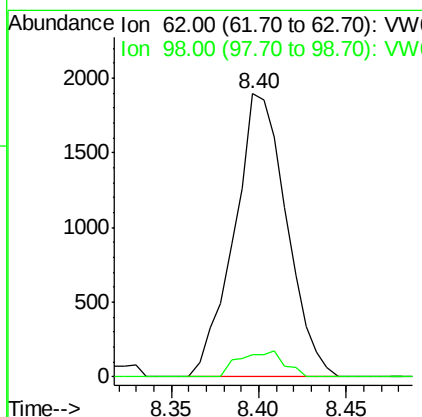
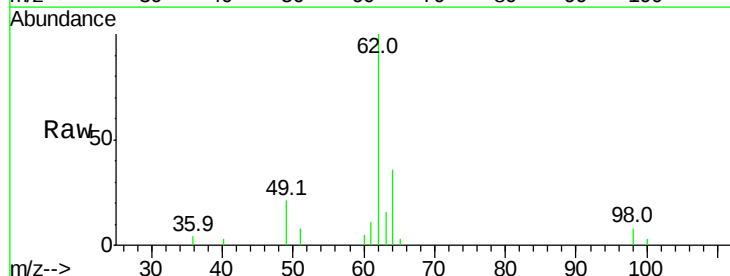
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

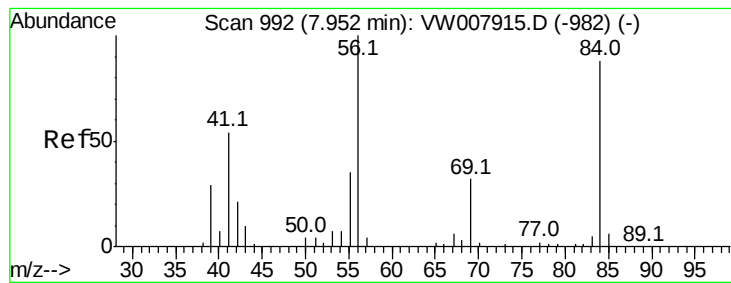
Tgt Ion: 83 Resp: 5299
Ion Ratio Lower Upper
83 100
85 69.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.685 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Tgt Ion: 62 Resp: 3948
Ion Ratio Lower Upper
62 100
98 7.9 5.4 8.2





#30

Cyclohexane

Concen: 2.263 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

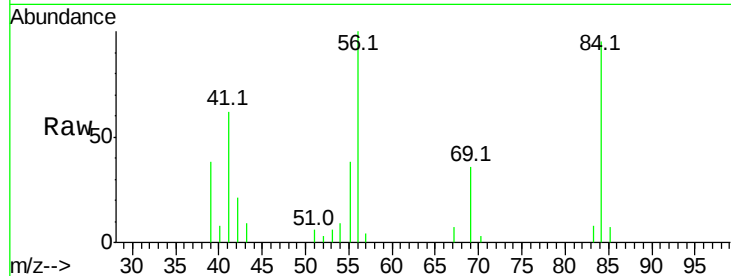
Tgt Ion: 56 Resp: 4388

Ion Ratio Lower Upper

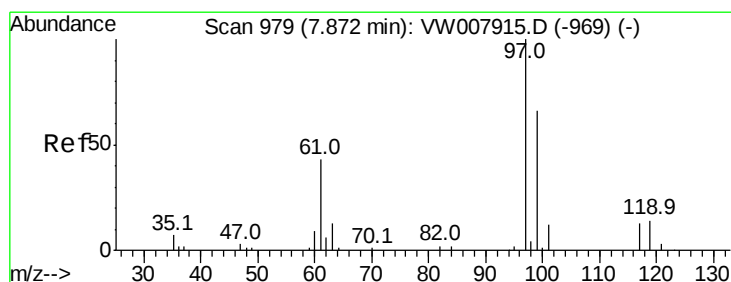
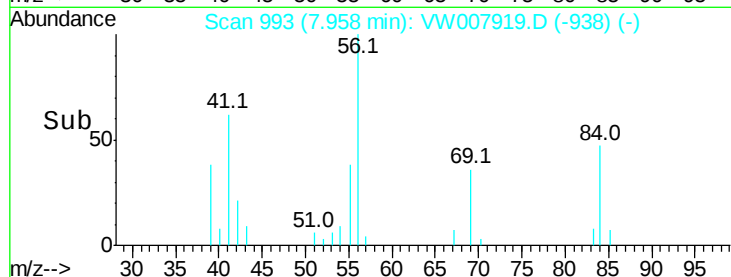
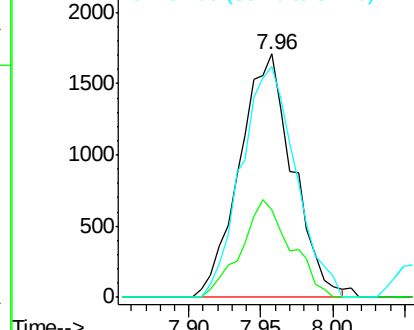
56 100

69 37.3 26.2 39.4

84 97.0 74.3 111.5



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



#31

1,1,1-Trichloroethane

Concen: 2.640 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

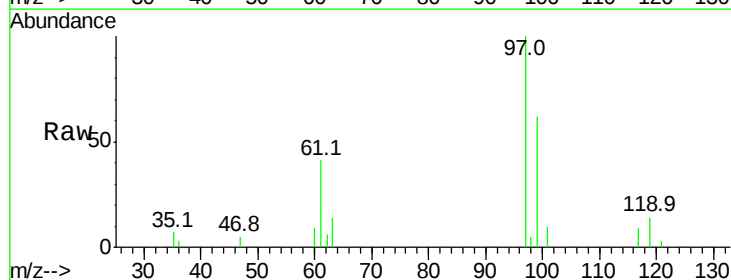
Tgt Ion: 97 Resp: 5023

Ion Ratio Lower Upper

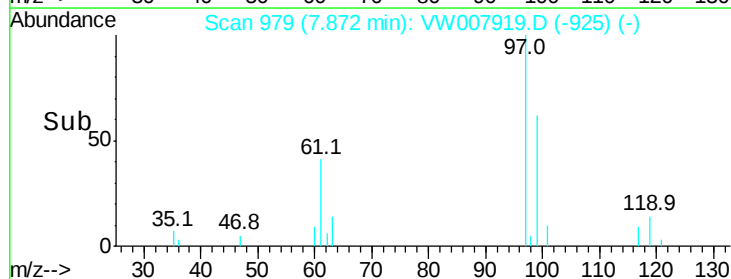
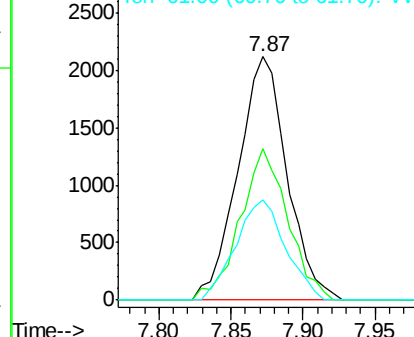
97 100

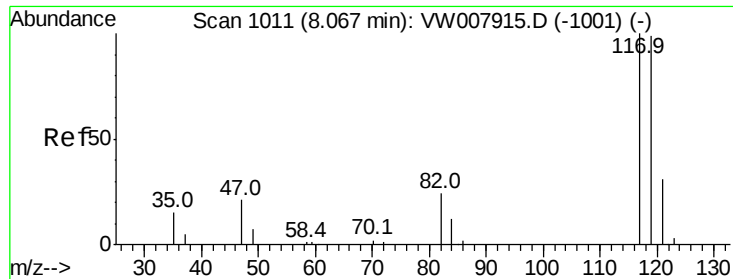
99 60.0 52.3 78.5

61 41.7 33.5 50.3



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





#32

Carbon tetrachloride

Concen: 2.599 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

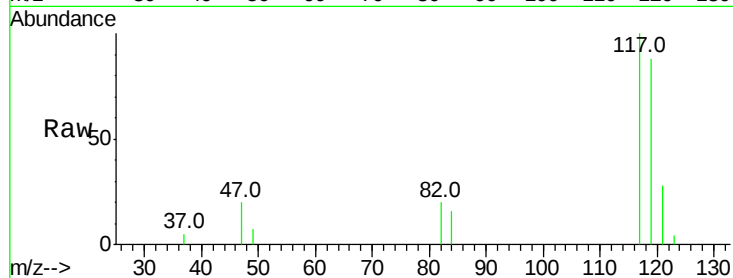
VSTD2.587

Tgt Ion:117 Resp: 4777

Ion Ratio Lower Upper

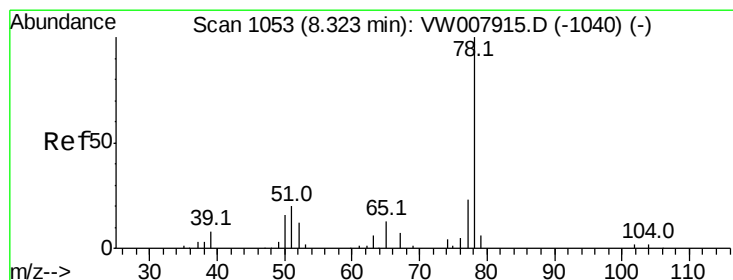
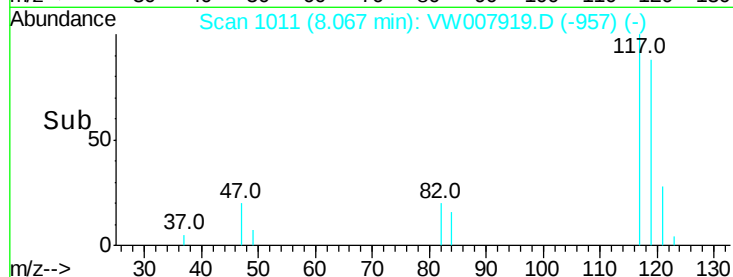
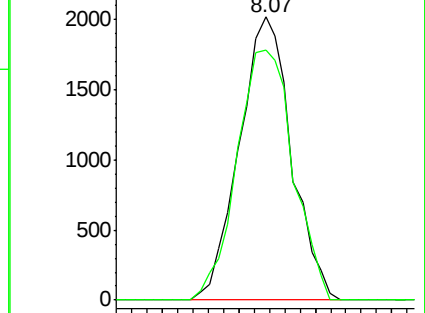
117 100

119 95.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.413 ug/L

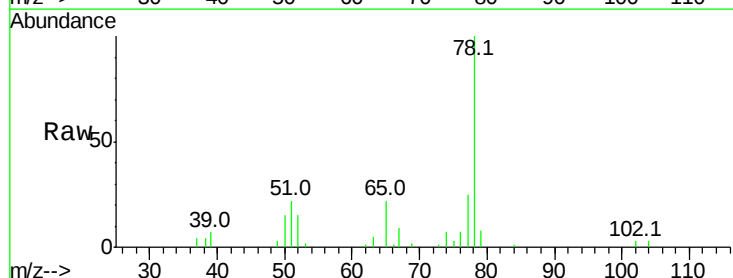
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

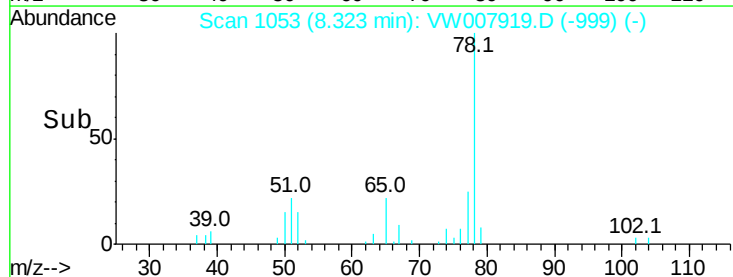
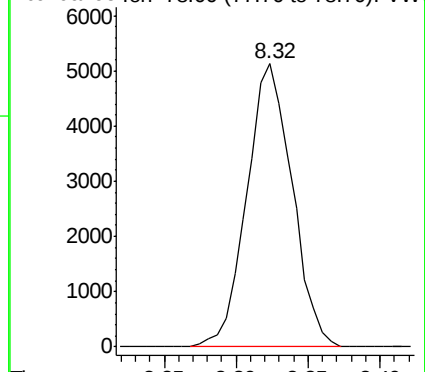
Lab File: VW007919.D

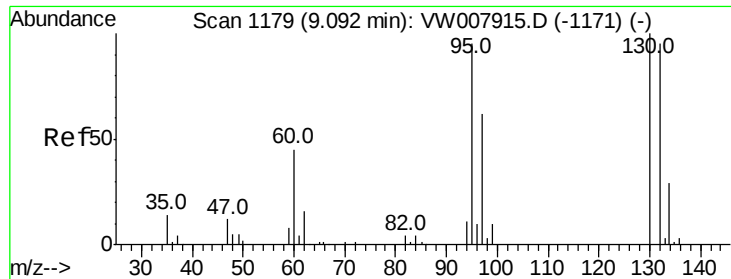
Acq: 26 Dec 2018 12:04

Tgt Ion: 78 Resp: 11178



Abundance Ion 78.00 (77.70 to 78.70): VW

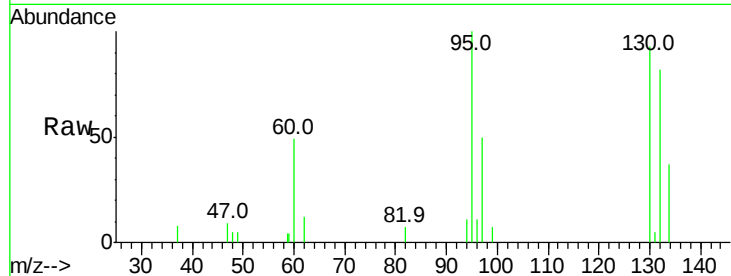




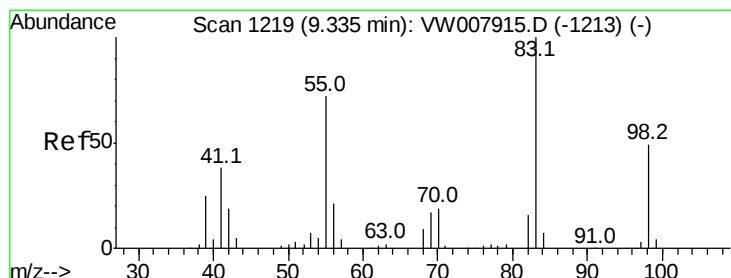
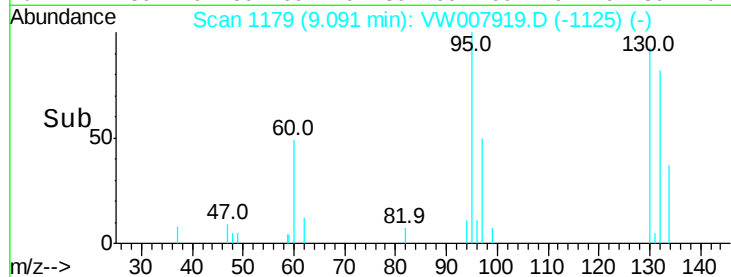
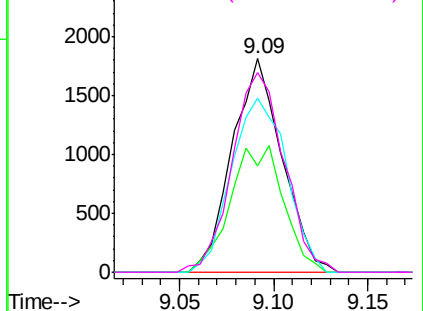
#35
 Trichloroethene
 Concen: 2.512 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.587

Tgt Ion: 95 Resp: 3337
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.4 82.5
 132 90.2 67.8 126.0
 130 97.7 70.3 130.7

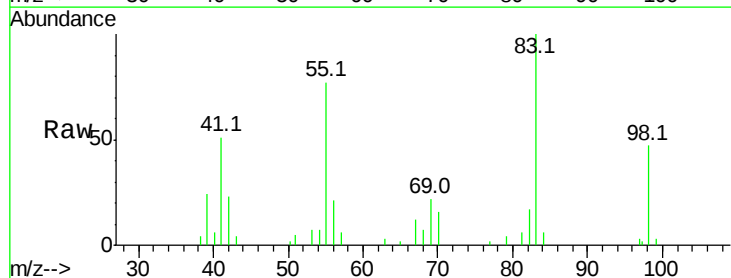


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

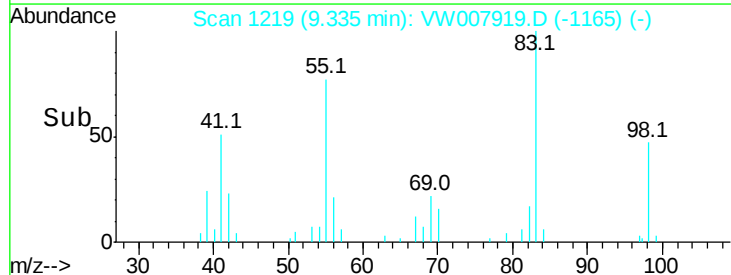
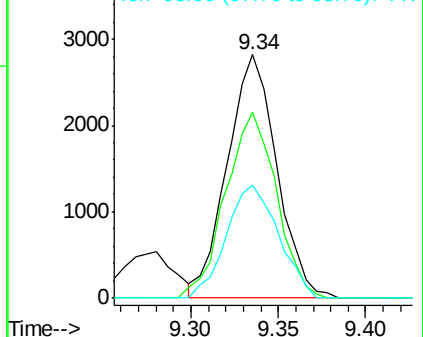


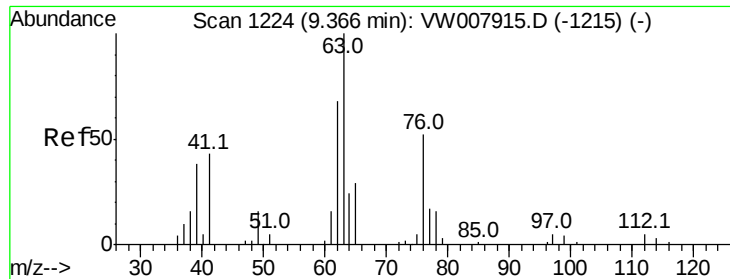
#36
 Methylcyclohexane
 Concen: 2.418 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Tgt Ion: 83 Resp: 5546
 Ion Ratio Lower Upper
 83 100
 55 78.2 59.4 89.0
 98 48.7 38.2 57.2



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

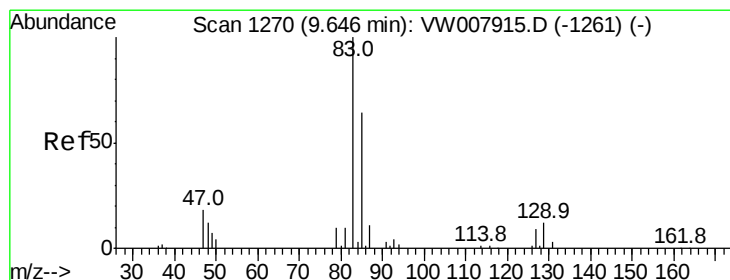
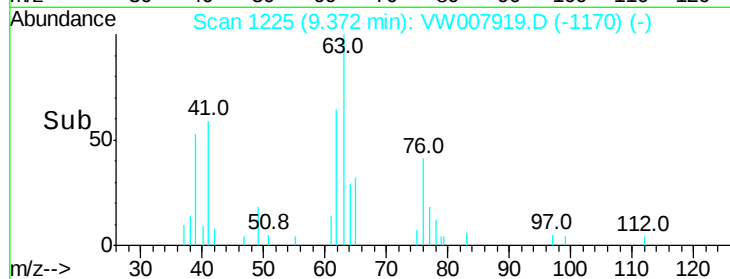
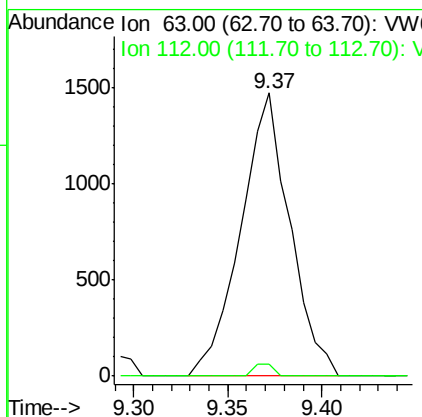
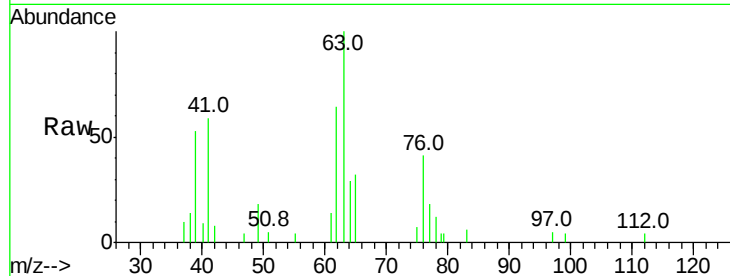




#40
 1,2-Dichloropropane
 Concen: 2.348 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

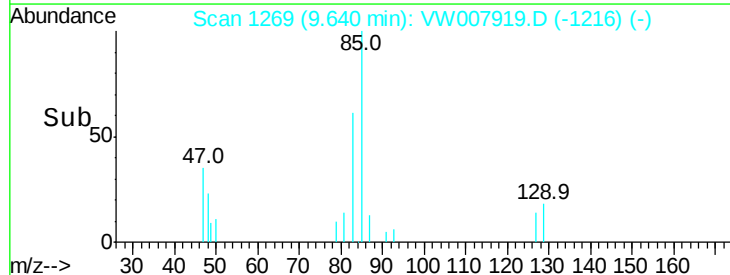
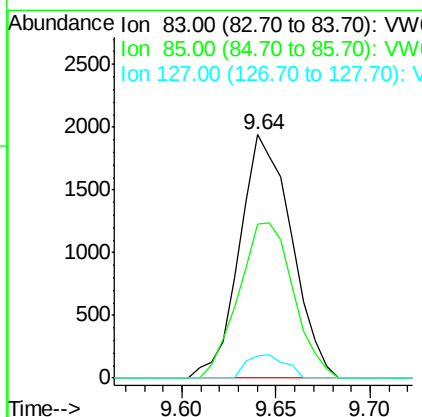
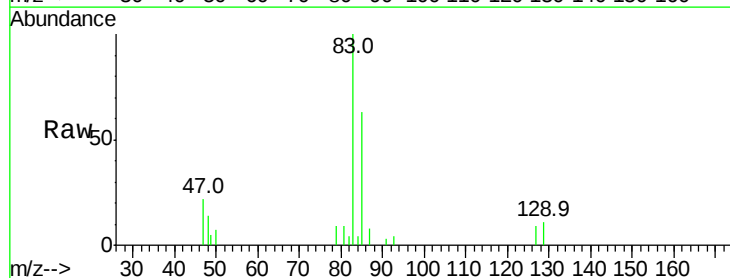
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

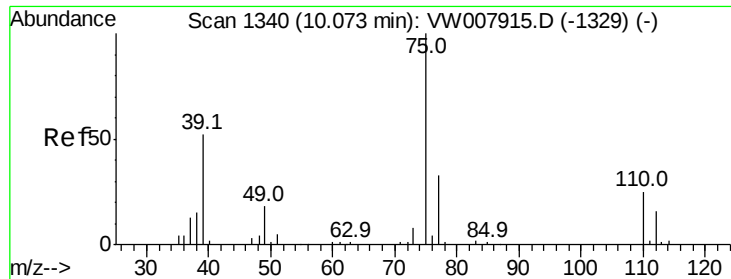
Tgt Ion: 63 Resp: 2661
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.7 5.5#



#41
 Bromodichloromethane
 Concen: 2.280 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Tgt Ion: 83 Resp: 3710
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.4 82.5
 127 9.1 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 2.355 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampled :

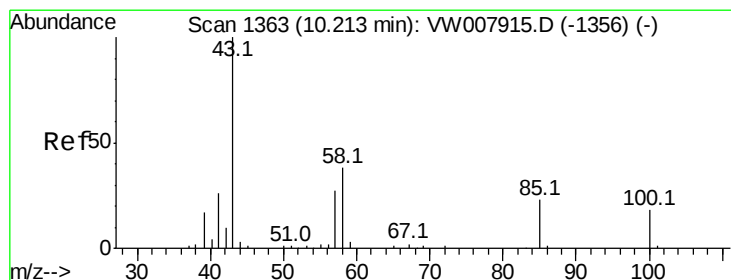
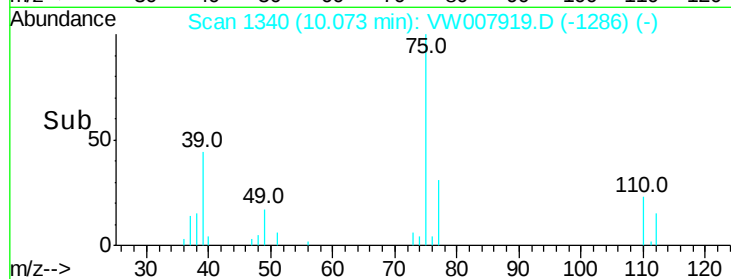
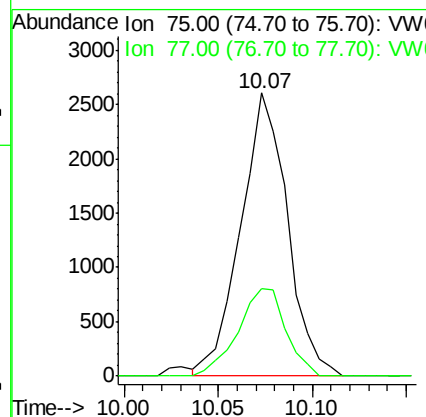
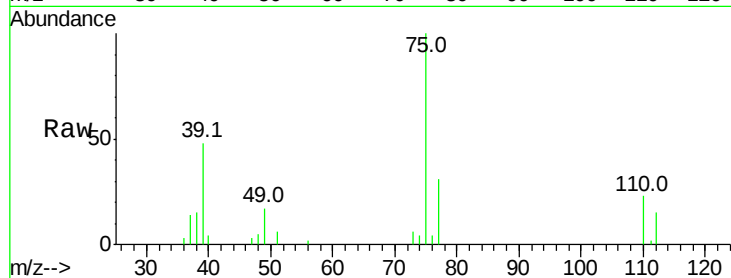
VSTD2.587

Tgt Ion: 75 Resp: 4482

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 5.373 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

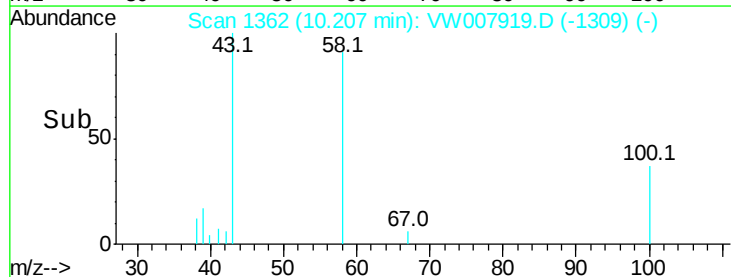
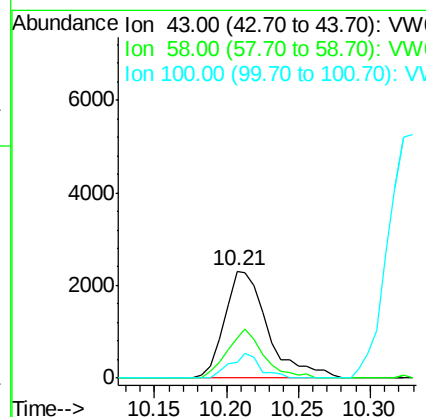
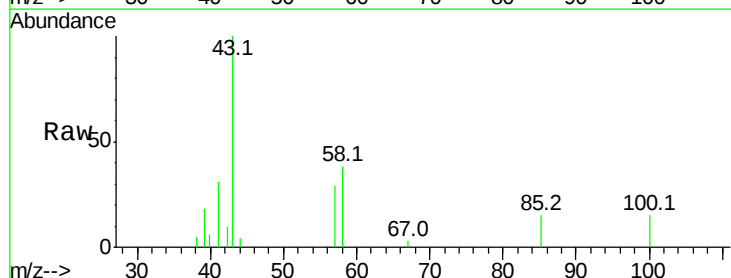
Tgt Ion: 43 Resp: 4820

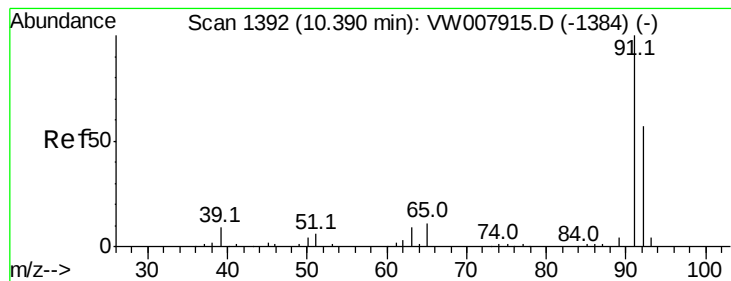
Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7

100 14.5 14.0 21.0





#44

Toluene

Concen: 2.534 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

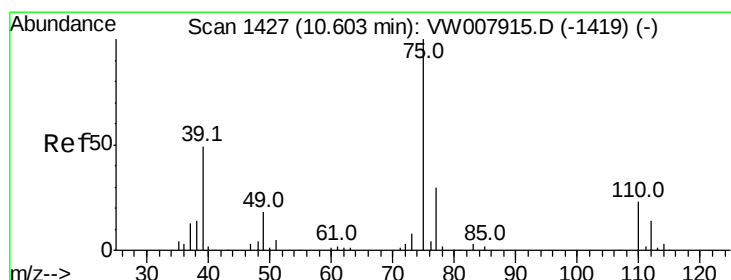
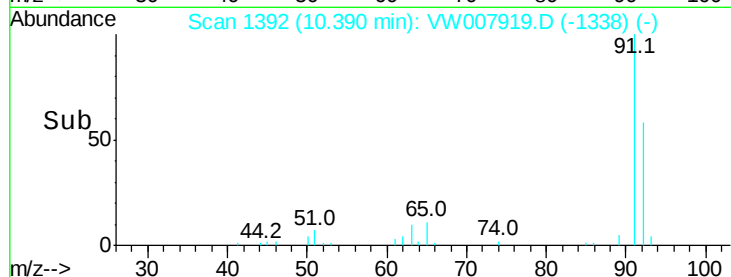
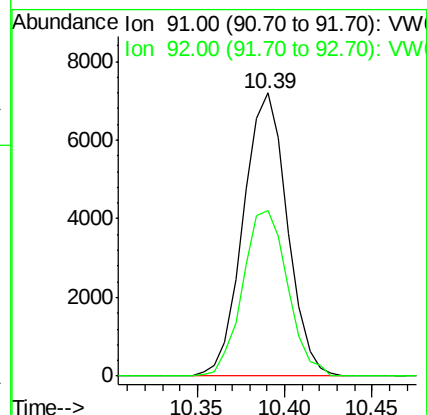
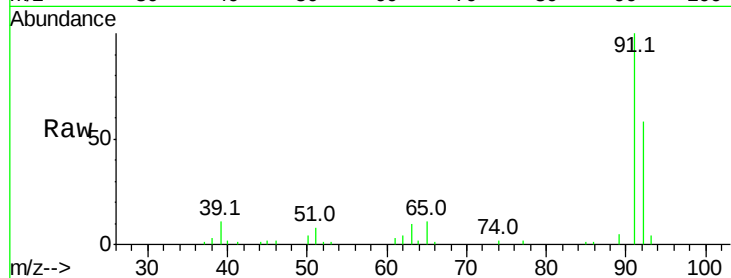
VSTD2.587

Tgt Ion: 91 Resp: 12653

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 2.490 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007919.D

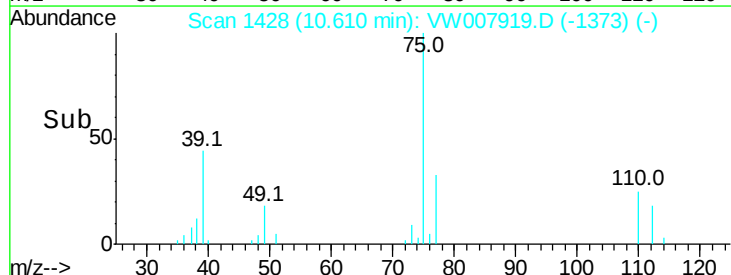
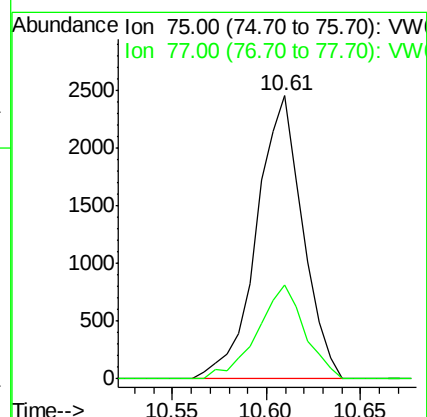
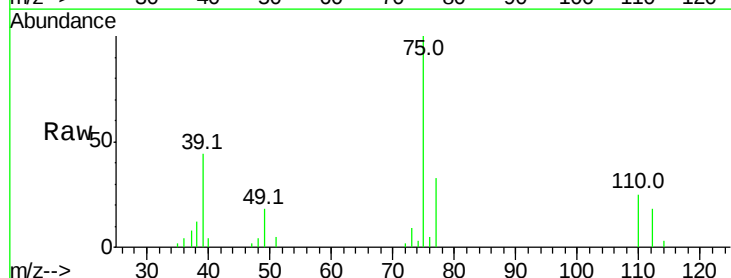
Acq: 26 Dec 2018 12:04

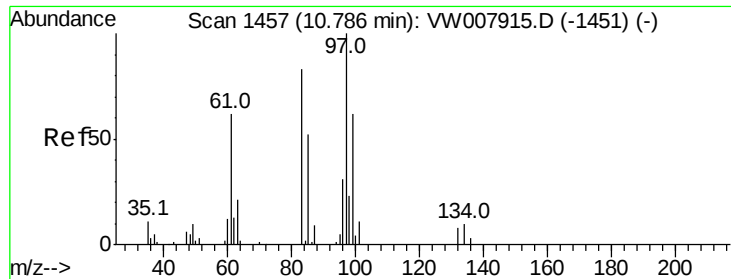
Tgt Ion: 75 Resp: 4162

Ion Ratio Lower Upper

75 100

77 33.0 21.1 39.3

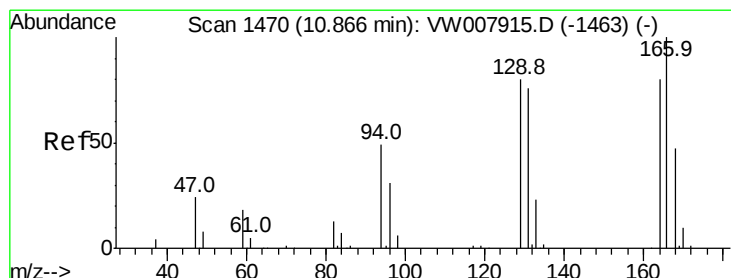
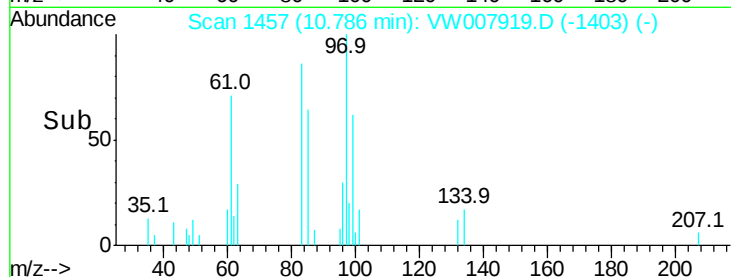
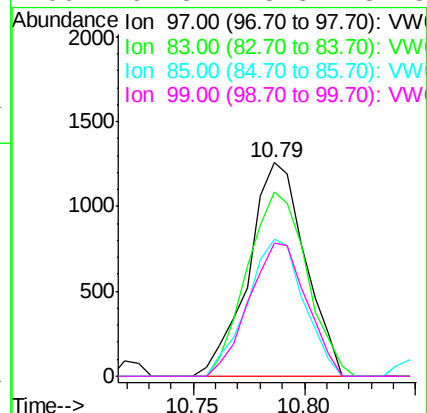
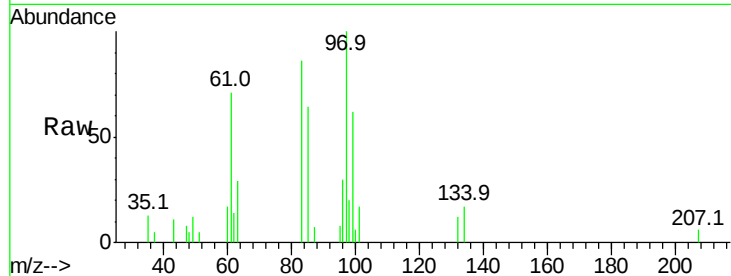




#46
 1,1,2-Trichloroethane
 Concen: 2.390 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

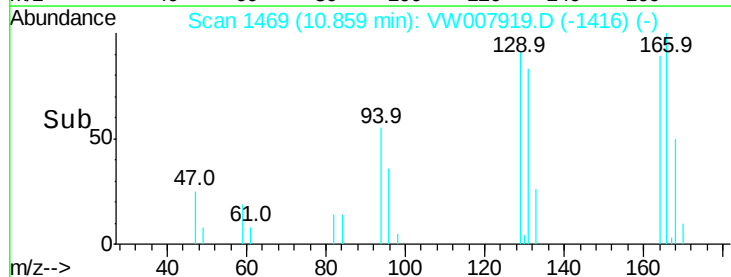
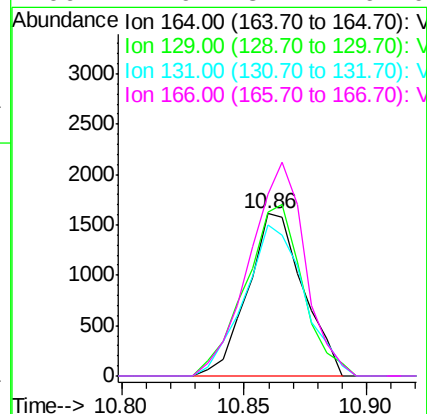
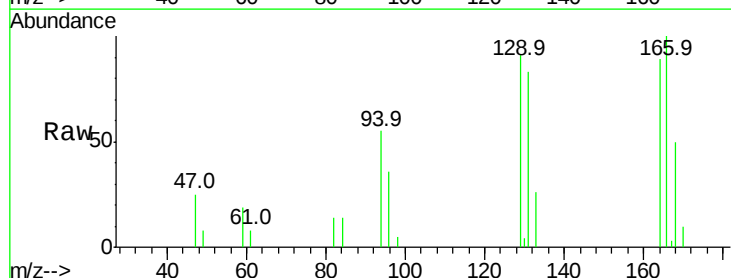
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

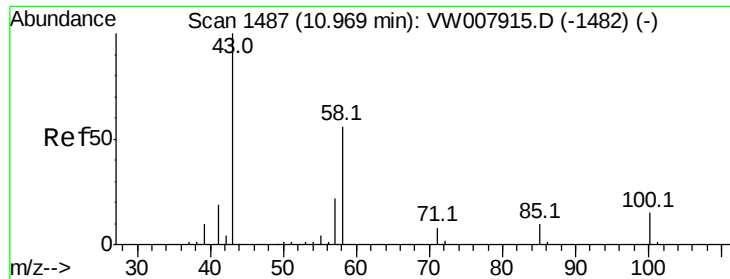
Tgt Ion:	97	Resp:	2230
Ion	Ratio	Lower	Upper
97	100		
83	86.5	58.4	108.6
85	64.0	36.4	67.6
99	62.3	43.8	81.3



#47
 Tetrachloroethene
 Concen: 2.555 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Tgt Ion:	164	Resp:	2564
Ion	Ratio	Lower	Upper
164	100		
129	101.3	70.6	131.2
131	92.9	66.5	123.5
166	111.9	87.7	162.9





#49

2-Hexanone

Concen: 5.128 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

Tgt Ion: 43 Resp: 3233

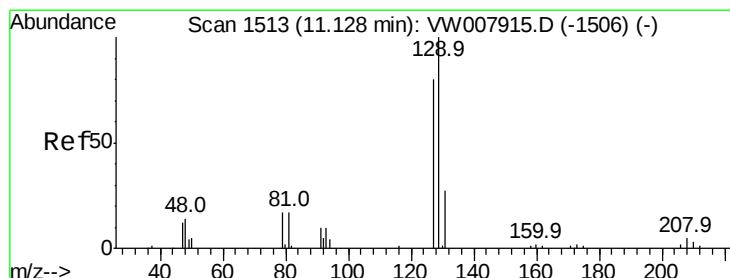
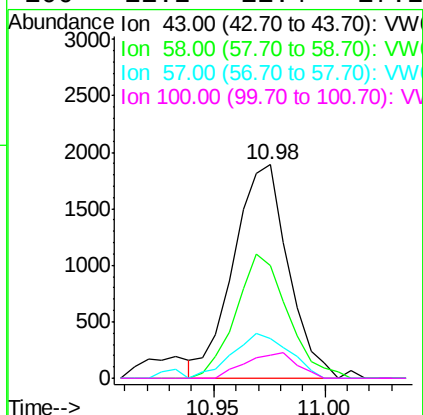
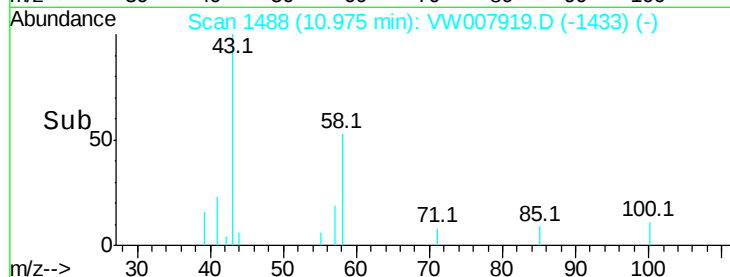
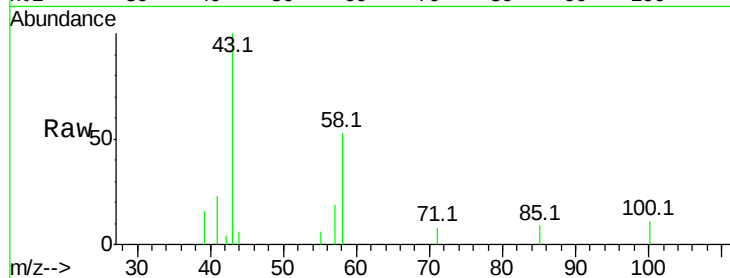
Ion Ratio Lower Upper

43 100

58 55.4 46.2 69.4

57 21.7 17.9 26.9

100 11.2 11.4 17.2#



#50

Dibromochloromethane

Concen: 2.442 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW007919.D

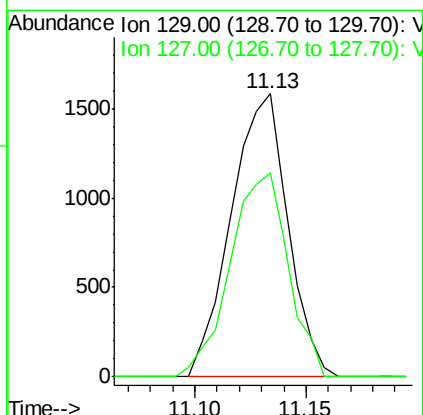
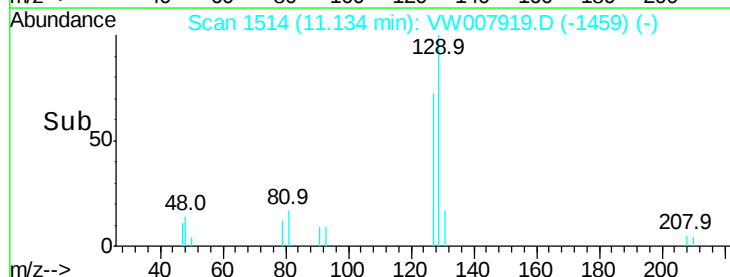
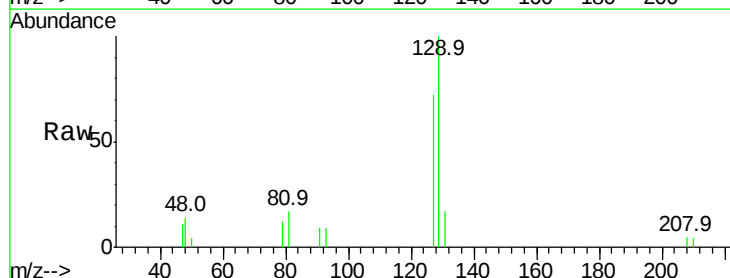
Acq: 26 Dec 2018 12:04

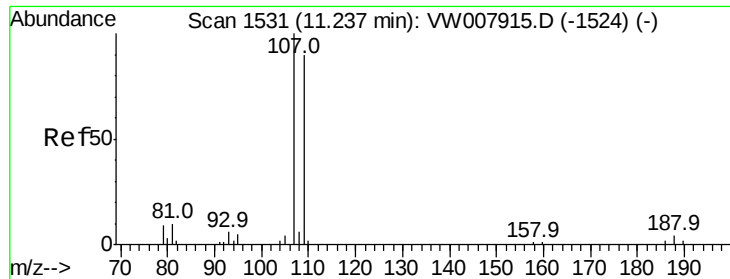
Tgt Ion: 129 Resp: 2800

Ion Ratio Lower Upper

129 100

127 72.0 55.8 103.6





#51

1,2-Dibromoethane

Concen: 2.383 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

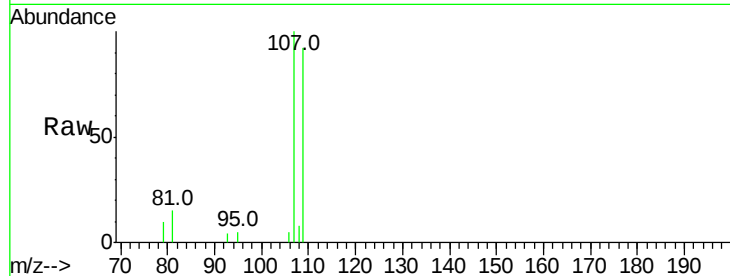
Tgt Ion:107 Resp: 2233

Ion Ratio Lower Upper

107 100

109 91.7 63.2 117.4

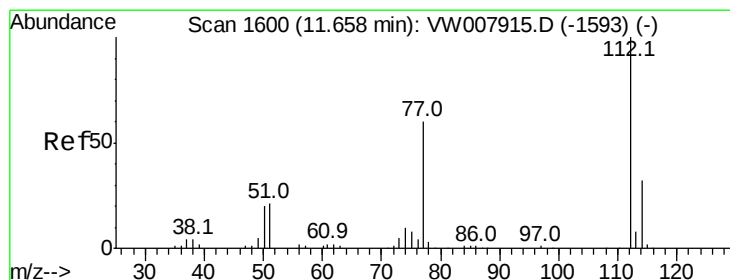
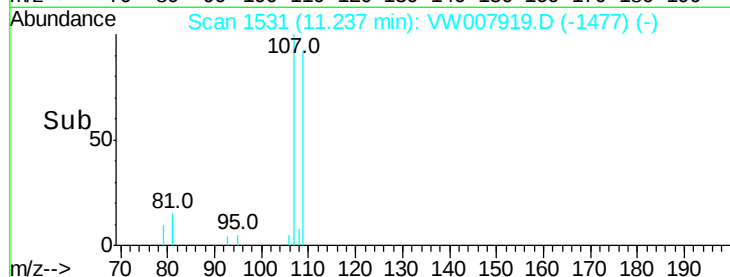
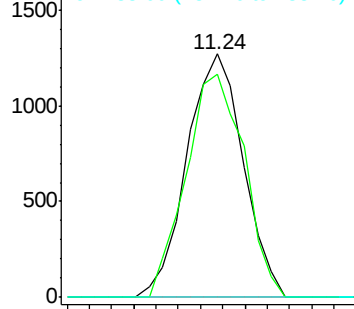
188 0.0 3.1 4.7#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.563 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

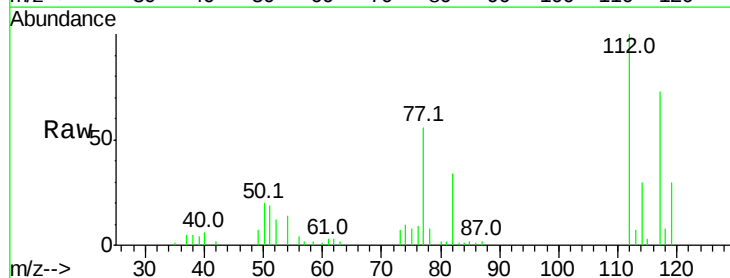
Tgt Ion:112 Resp: 8305

Ion Ratio Lower Upper

112 100

77 55.7 47.8 71.6

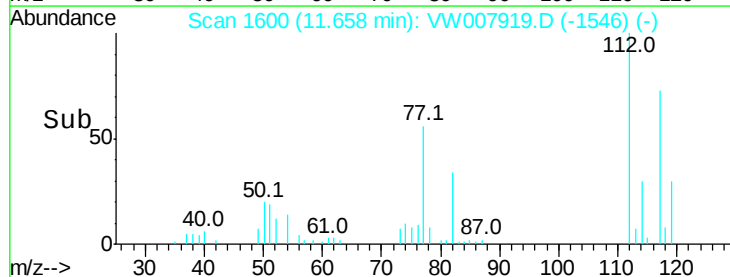
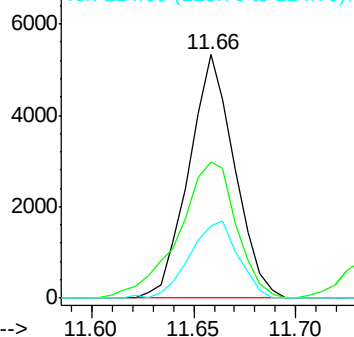
114 29.8 22.2 41.2

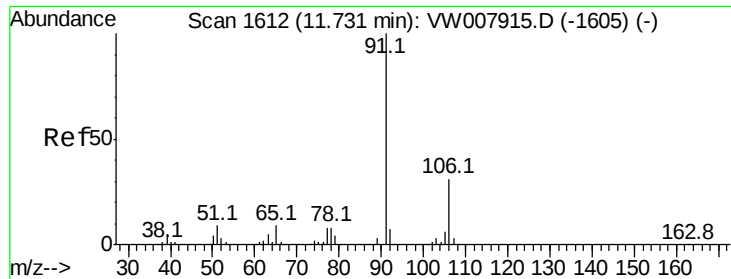


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

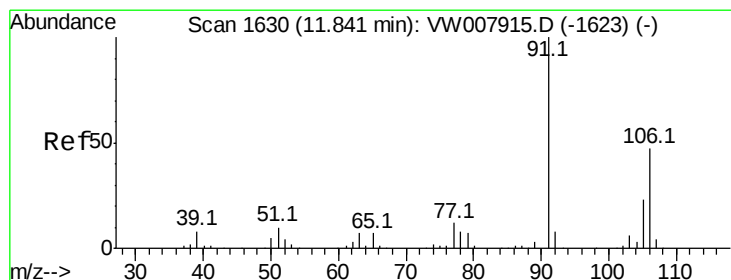
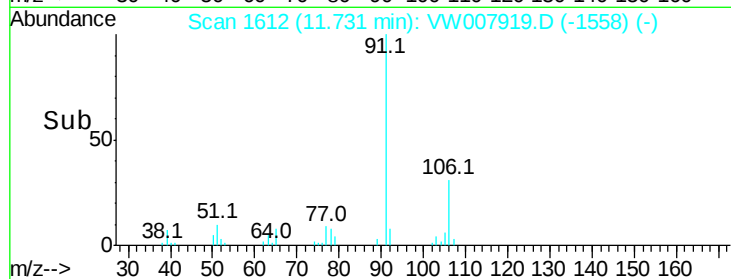
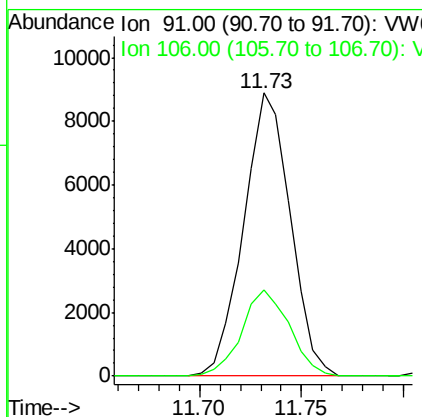
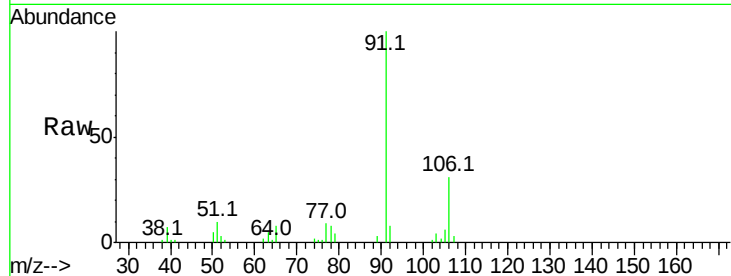




#53
Ethylbenzene
Concen: 2.519 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

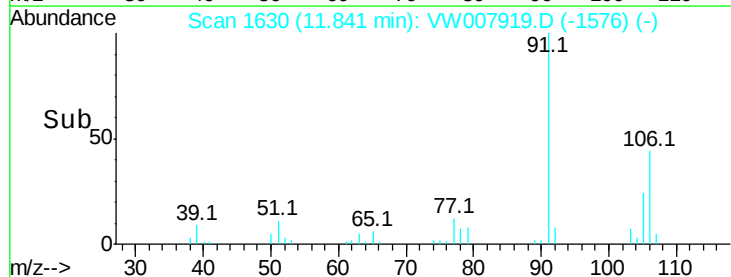
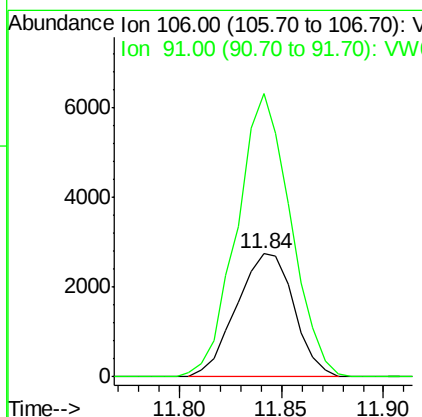
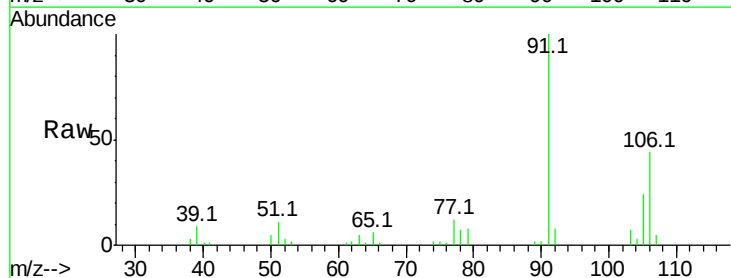
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

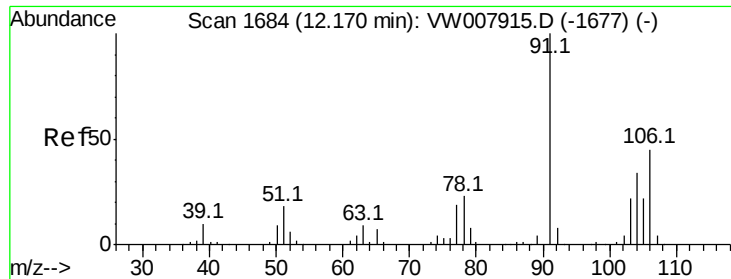
Tgt Ion: 91 Resp: 14142
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#54
m,p-Xylene
Concen: 2.521 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Tgt Ion: 106 Resp: 5378
Ion Ratio Lower Upper
106 100
91 229.6 147.8 274.4

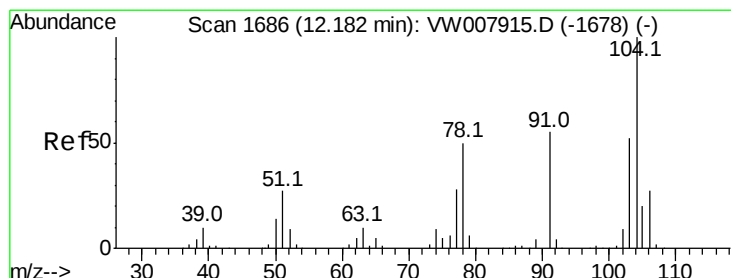
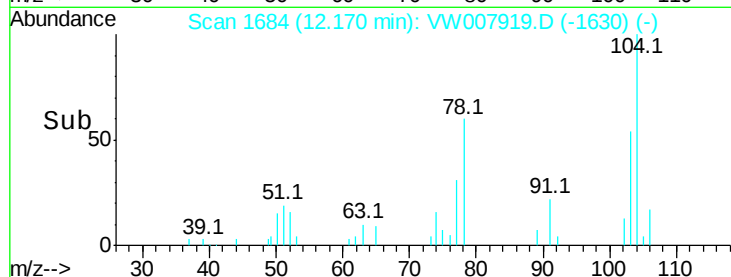
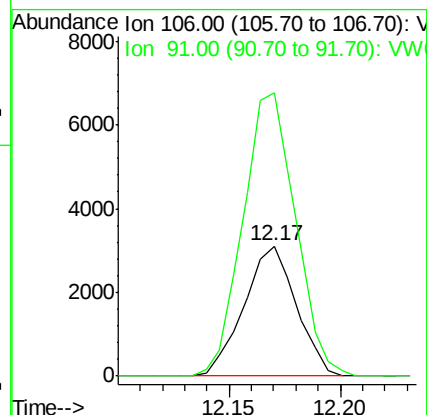
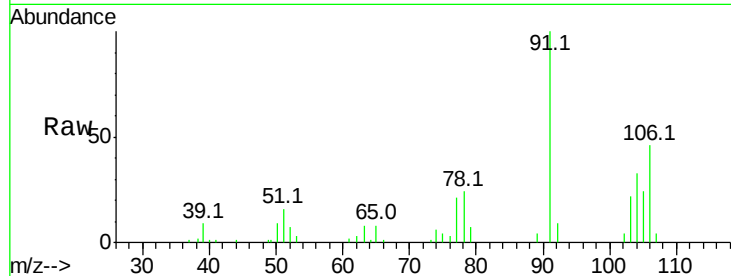




#55
o-xylene
Concen: 2.529 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

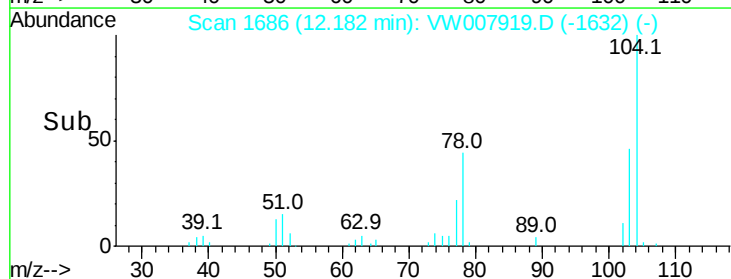
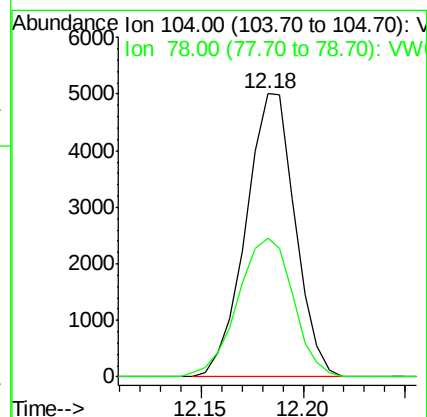
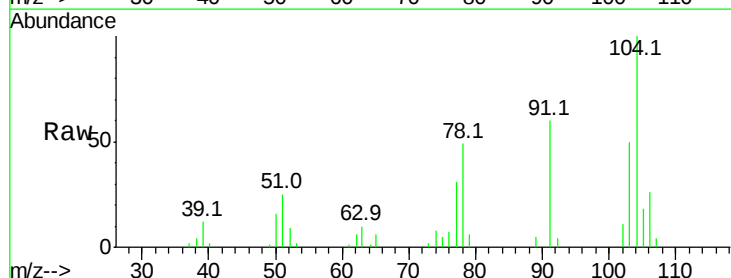
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

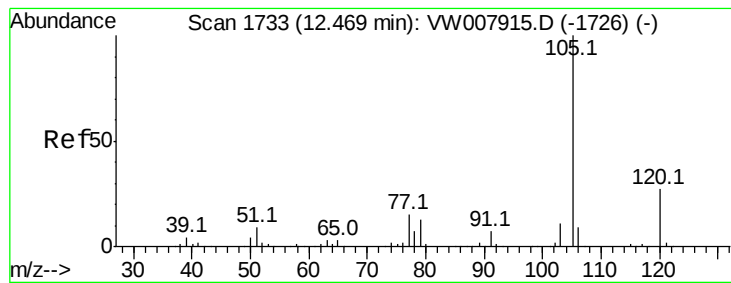
Tgt Ion:106 Resp: 5097
Ion Ratio Lower Upper
106 100
91 218.0 156.0 289.6



#56
Styrene
Concen: 2.435 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007919.D
Acq: 26 Dec 2018 12:04

Tgt Ion:104 Resp: 8414
Ion Ratio Lower Upper
104 100
78 49.2 34.6 64.3





#57

Isopropylbenzene

Concen: 2.561 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

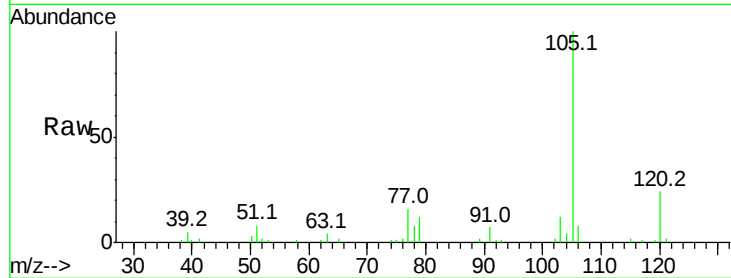
Tgt Ion:105 Resp: 14409

Ion Ratio Lower Upper

105 100

120 24.6 21.1 31.7

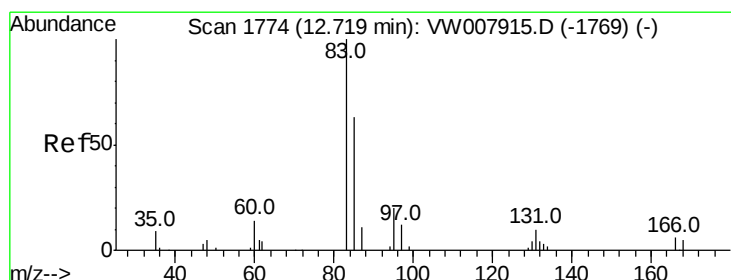
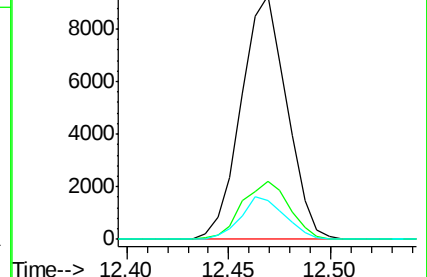
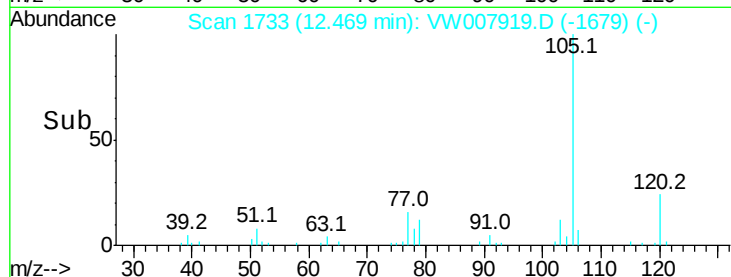
77 16.8 12.4 18.6



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: 2.620 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

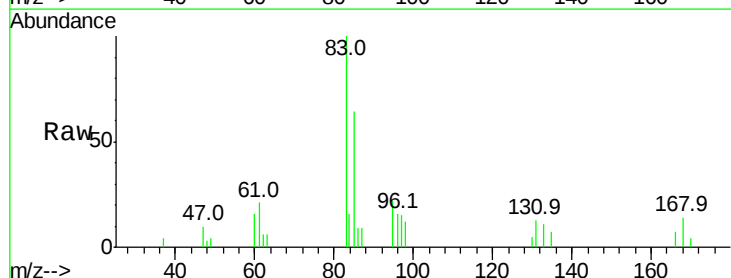
Tgt Ion: 83 Resp: 3031

Ion Ratio Lower Upper

83 100

85 64.4 46.6 86.6

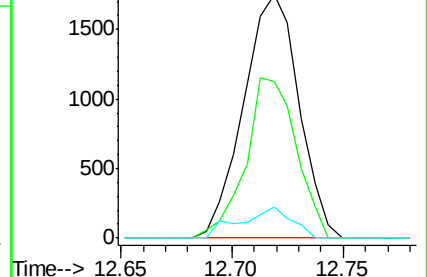
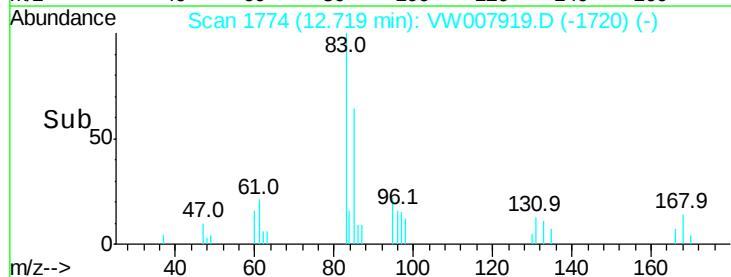
131 12.5 9.7 14.5

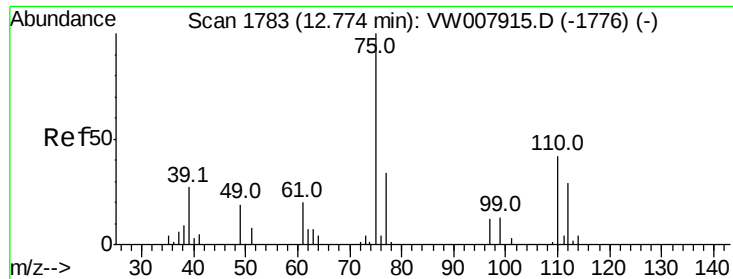


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.535 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

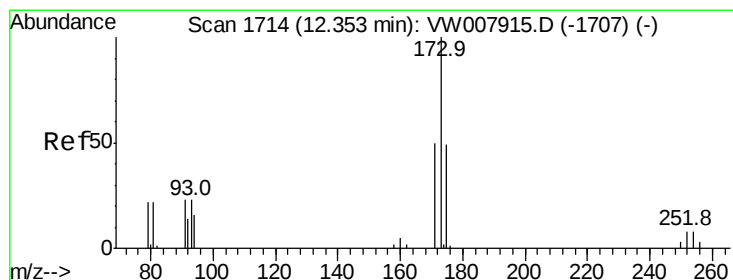
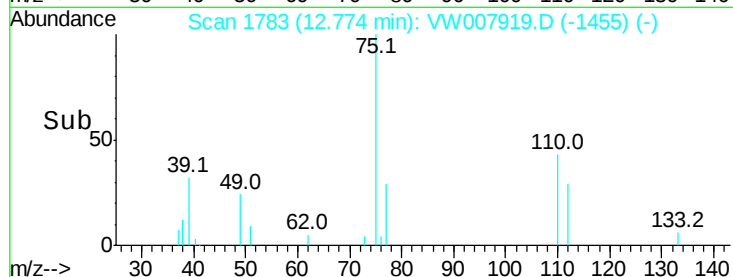
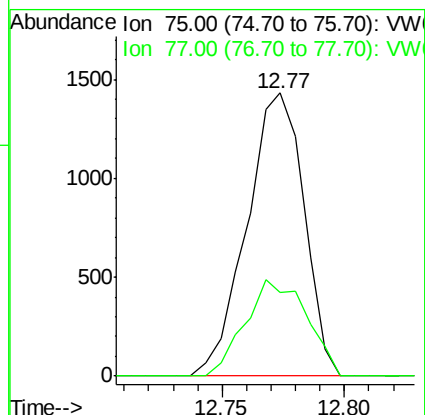
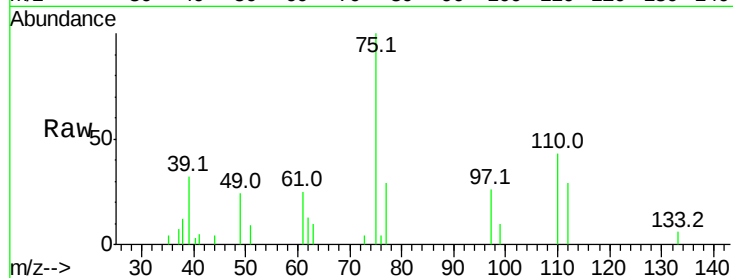
VSTD2.587

Tgt Ion: 75 Resp: 2321

Ion Ratio Lower Upper

75 100

77 36.5 25.5 38.3



#62

Bromoform

Concen: 2.394 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

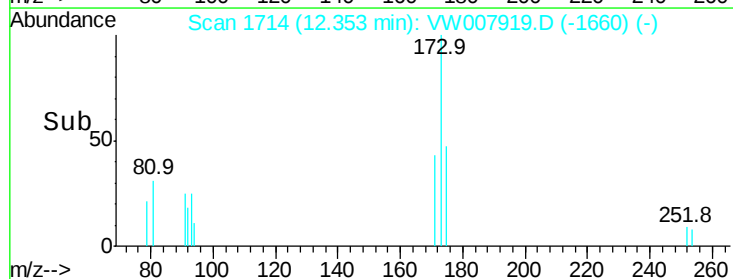
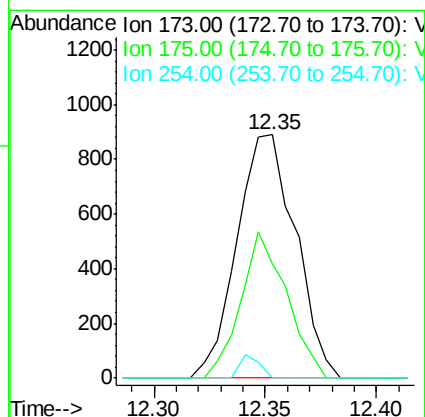
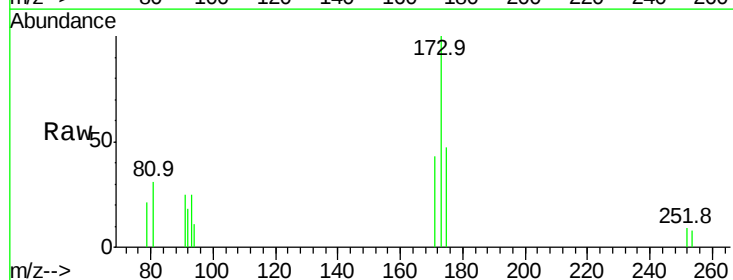
Tgt Ion: 173 Resp: 1627

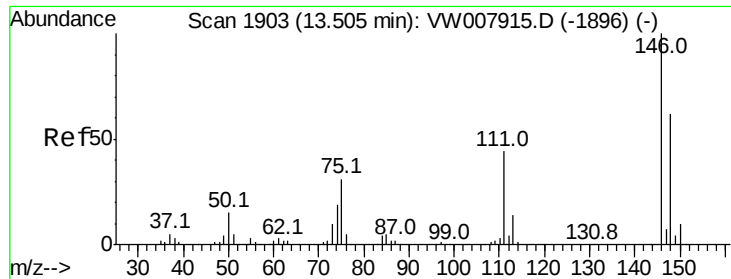
Ion Ratio Lower Upper

173 100

175 46.9 39.0 58.4

254 3.3 5.8 8.8#

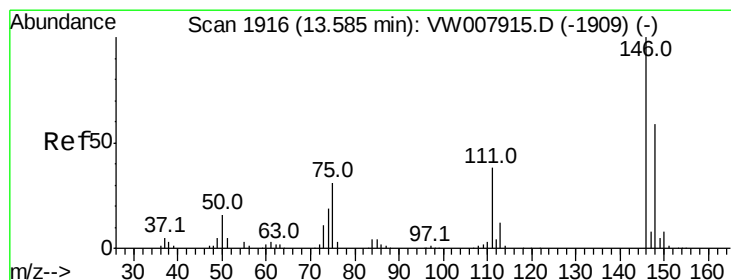
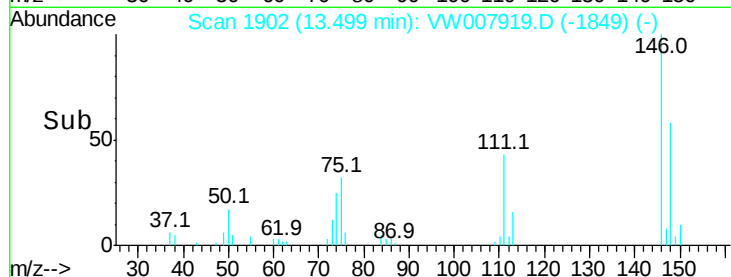
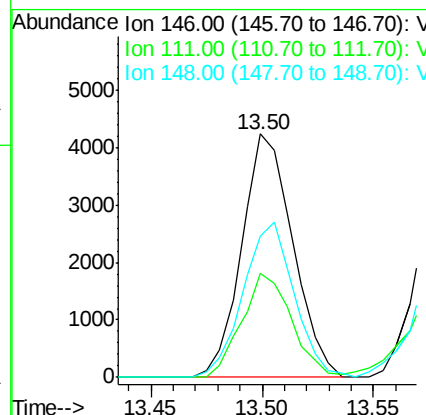
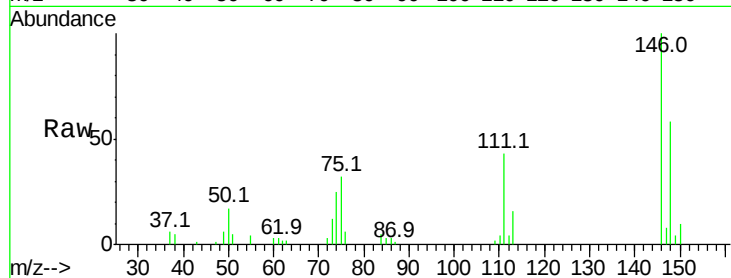




#63
 1,3-Dichlorobenzene
 Concen: 2.662 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

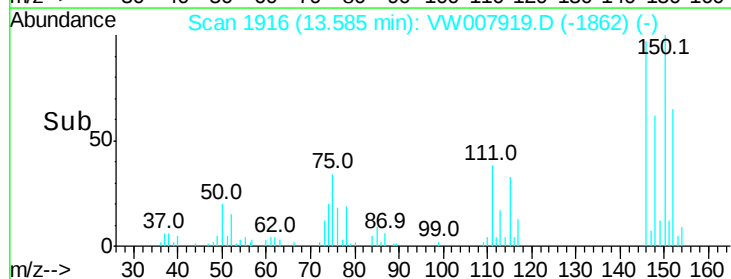
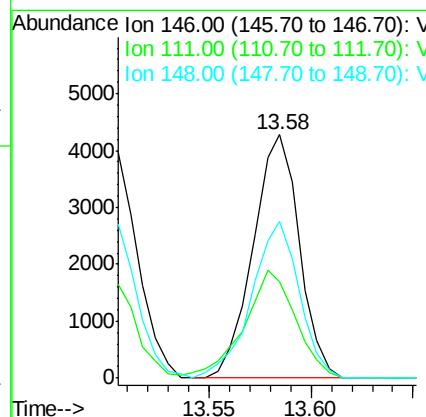
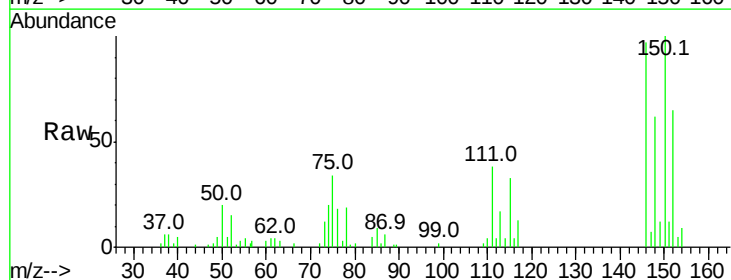
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

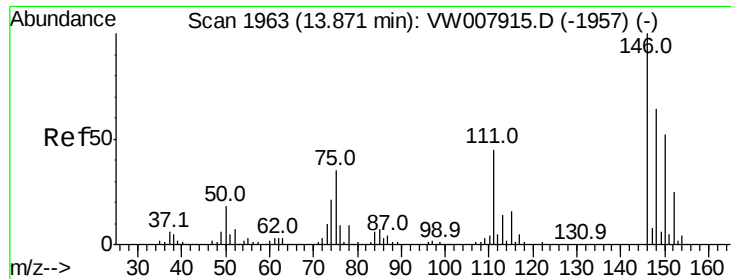
Tgt Ion:146 Resp: 6788
 Ion Ratio Lower Upper
 146 100
 111 43.0 31.0 57.6
 148 58.2 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 2.648 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Tgt Ion:146 Resp: 6731
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.9 49.9
 148 64.1 41.6 77.3





#65

1,2-Dichlorobenzene

Concen: 2.800 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampled :

VSTD2.587

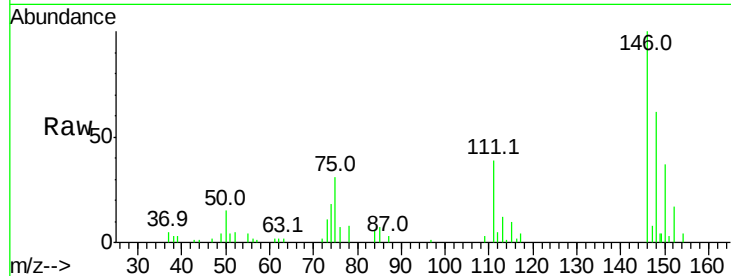
Tgt Ion:146 Resp: 6390

Ion Ratio Lower Upper

146 100

111 39.0 36.4 54.6

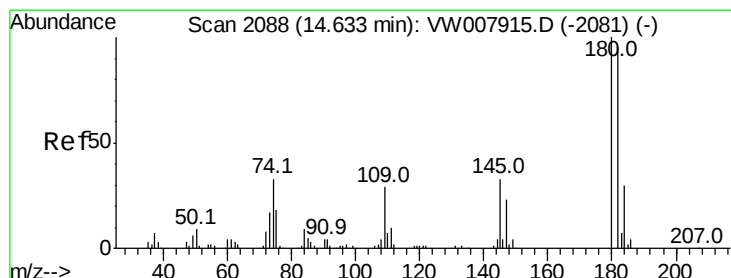
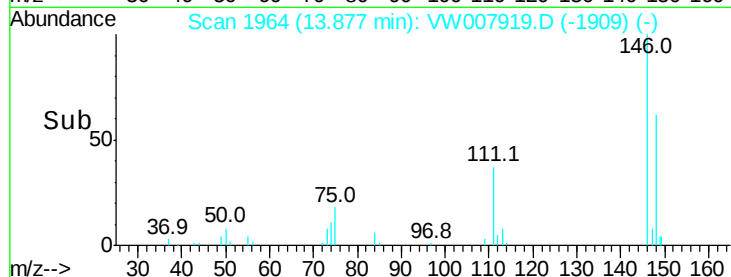
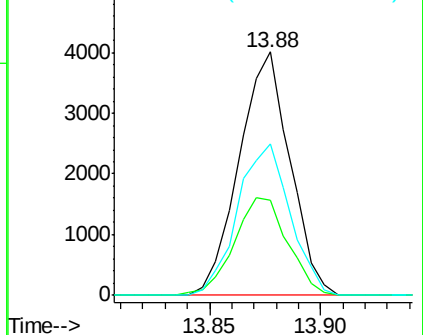
148 62.2 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.690 ug/L

RT: 14.64 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VW007919.D

Acq: 26 Dec 2018 12:04

Tgt Ion:180 Resp: 4969

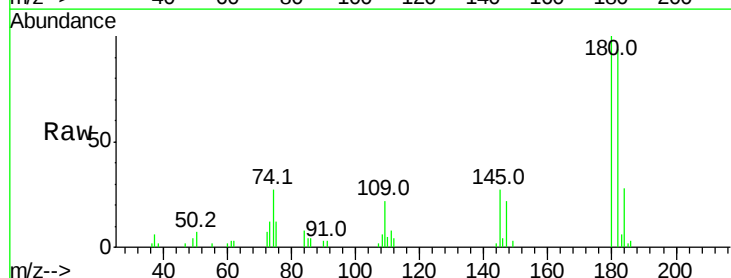
Ion Ratio Lower Upper

180 100

182 97.0 75.0 112.4

184 30.4 23.5 35.3

145 33.5 26.6 39.8

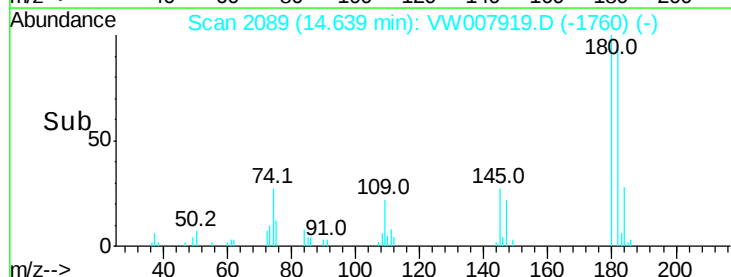
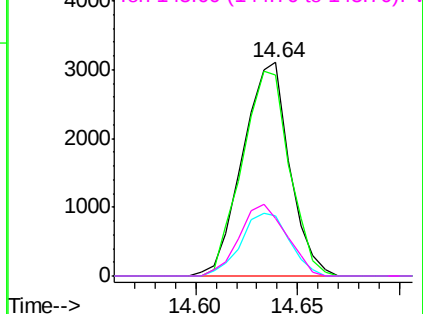


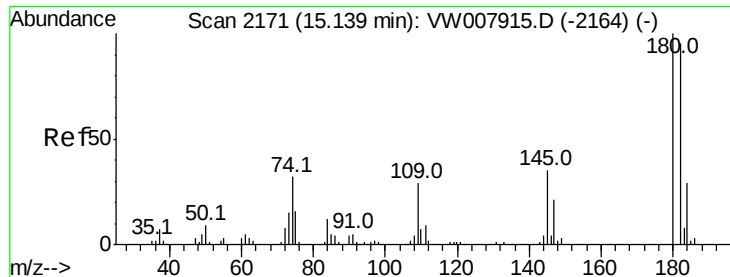
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

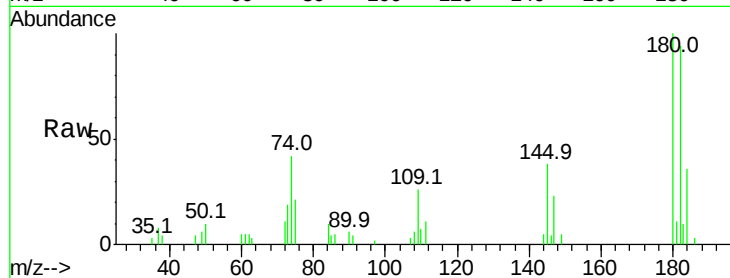




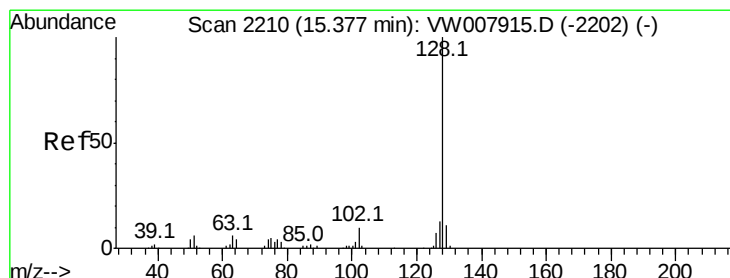
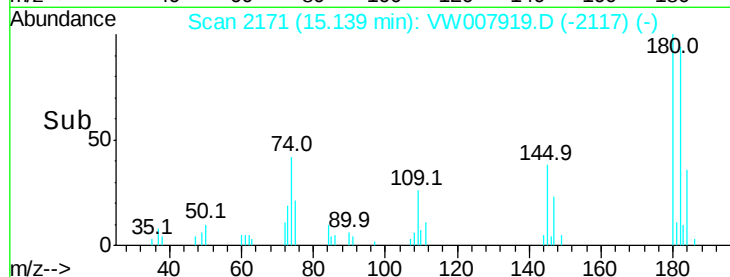
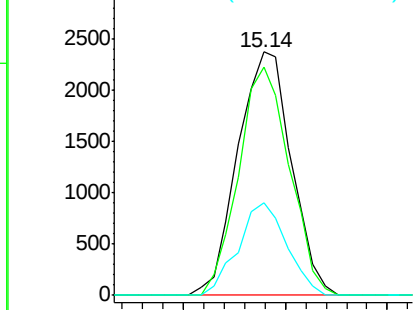
#68
 1,2,4-trichlorobenzene
 Concen: 2.717 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

Tgt Ion:180 Resp: 4326
 Ion Ratio Lower Upper
 180 100
 182 89.0 77.0 115.6
 145 34.4 27.9 41.9

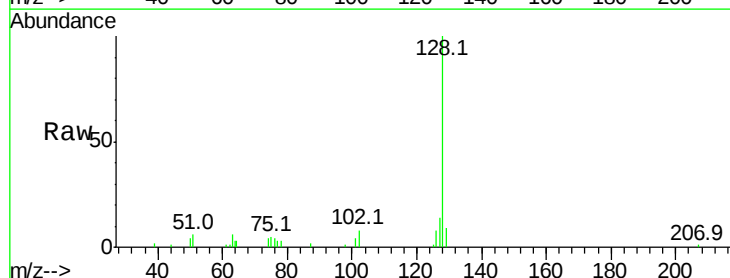


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

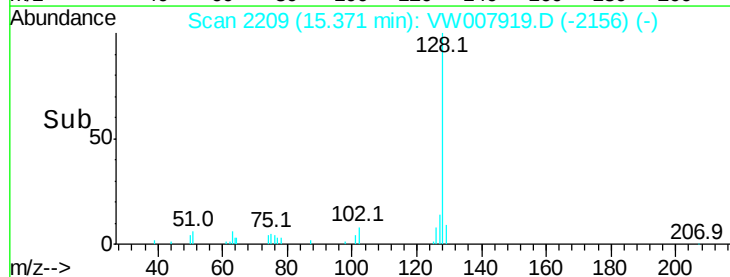
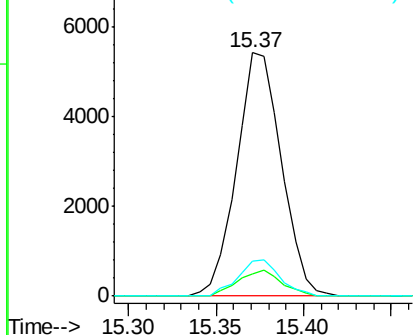


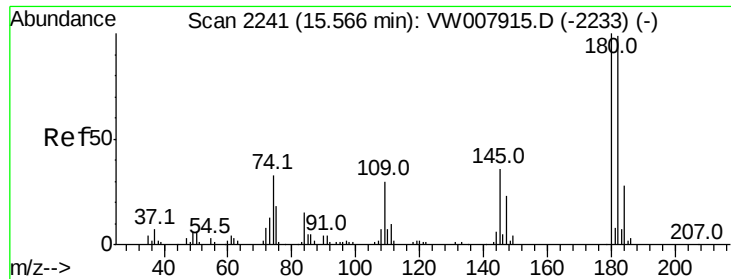
#69
 Naphthalene
 Concen: 2.456 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Tgt Ion:128 Resp: 9668
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.8 13.2
 127 13.7 11.1 16.7



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

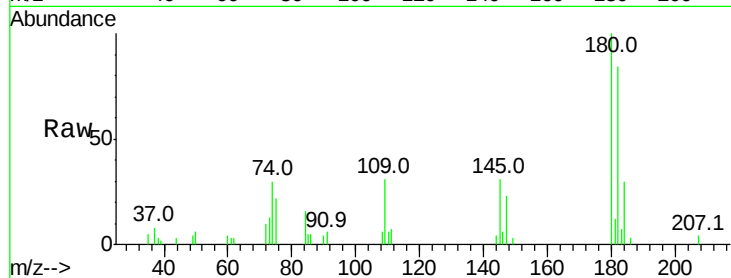




#70
 1,2,3-Trichlorobenzene
 Concen: 2.656 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW007919.D
 Acq: 26 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

Tgt Ion:180 Resp: 3845
 Ion Ratio Lower Upper
 180 100
 182 99.1 75.8 113.6
 145 38.2 29.4 44.2



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

