

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017324.D
 Acq On : 18 Nov 2020 12:56
 Operator : SY/VA
 Sample : VSTD10003
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Quant Time: Nov 18 13:26:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 12:44:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	394944	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364151	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188379	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	517851	105.40	ug/L	0.00
7) Chloroethane-d5	2.89	69	436841	113.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	975688	109.75	ug/L	0.00
20) 2-Butanone-d5	7.09	46	166301	159.64	ug/L	0.00
24) Chloroform-d	7.65	84	1002718	109.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	463475	102.66	ug/L	0.00
29) Benzene-d6	8.27	84	1956654	106.31	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	527690	104.41	ug/L	0.00
37) Toluene-d8	10.33	98	1893275	108.70	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	244080	108.33	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	142876	172.62	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	378115	88.81	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	654705	101.34	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	374959	97.092	ug/L	99
3) Chloromethane	2.22	50	406638	111.494	ug/L	100
5) Vinyl chloride	2.37	62	577910	108.157	ug/L	99
6) Bromomethane	2.78	94	475300	126.970	ug/L	99
8) Chloroethane	2.93	64	366092	112.878	ug/L	99
9) Trichlorofluoromethane	3.26	101	554899	126.556	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	539869	106.388	ug/L	98
12) 1,1-Dichloroethene	4.04	96	534451	109.285	ug/L	89
13) Acetone	4.14	43	113628	161.231	ug/L	95
14) Carbon disulfide	4.39	76	1576181	115.912	ug/L	99
15) Methyl Acetate	4.68	43	140408	81.646	ug/L	98
16) Methylene chloride	4.92	84	511776	93.948	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	592558	101.253	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	565312	110.748	ug/L	97
19) 1,1-Dichloroethane	6.22	63	864586	108.174	ug/L	99
21) 2-Butanone	7.18	43	174159	155.248	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	580882	109.080	ug/L	98
23) Bromochloromethane	7.52	128	262435	103.846	ug/L	98
25) Chloroform	7.68	83	943397	108.017	ug/L	99
27) 1,2-Dichloroethane	8.40	62	537663	103.869	ug/L	98
30) Cyclohexane	7.96	56	771046	112.404	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	854565	112.941	ug/L	99
32) Carbon tetrachloride	8.07	117	827615	113.521	ug/L	100
34) Benzene	8.33	78	2026957	105.701	ug/L	100
35) Trichloroethene	9.09	95	582842	107.781	ug/L	98
36) Methylcyclohexane	9.34	83	958205	110.142	ug/L	98
40) 1,2-Dichloropropane	9.37	63	453273	102.297	ug/L	99
41) Bromodichloromethane	9.65	83	674072	109.832	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	782730	111.825	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	401878	155.048	ug/L	99

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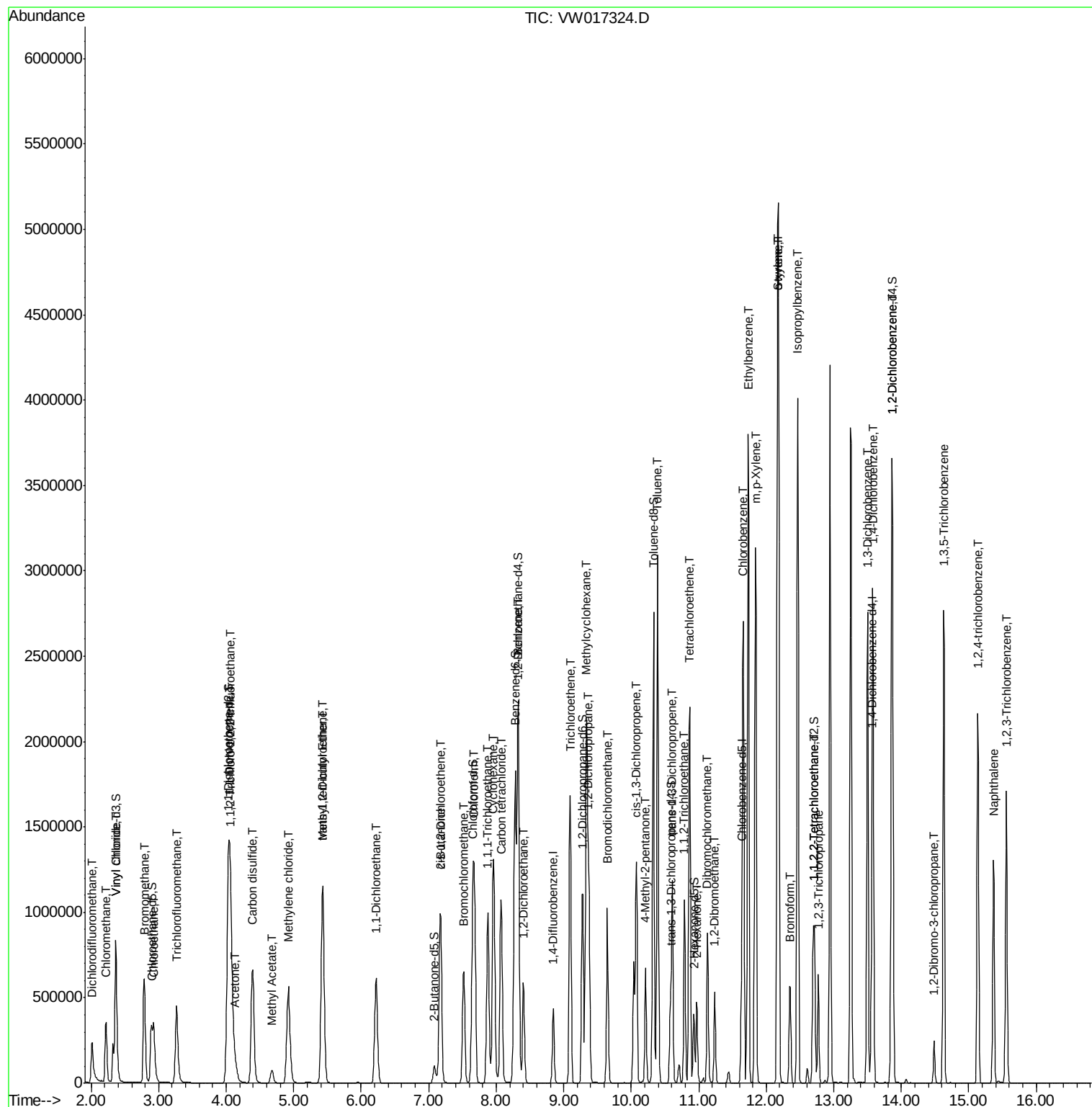
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2312404	109.525	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	659587	110.677	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	351484	94.172	ug/L	98
47) Tetrachloroethene	10.87	164	522112	106.807	ug/L	96
49) 2-Hexanone	10.97	43	270750	173.477	ug/L	97
50) Dibromochloromethane	11.13	129	478056	103.879	ug/L	100
51) 1,2-Dibromoethane	11.24	107	347403	96.083	ug/L	97
52) Chlorobenzene	11.66	112	1511109	106.250	ug/L	98
53) Ethylbenzene	11.73	91	2628314	110.974	ug/L	95
54) m,p-Xylene	11.84	106	1019211	110.792	ug/L	86
55) o-xylene	12.17	106	1002986	115.268	ug/L	98
56) Styrene	12.18	104	1669543	114.686	ug/L	99
57) Isopropylbenzene	12.46	105	2706058	114.188	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	368805	87.221	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	260989	86.073	ug/L	98
62) Bromoform	12.35	173	277378	101.166	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	1205089	104.341	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	1202650	104.035	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1045213	102.132	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	57991	89.089	ug/L #	89
67) 1,3,5-Trichlorobenzene	14.63	180	902919	106.596	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	729109	109.629	ug/L	99
69) Naphthalene	15.36	128	1128438	97.503	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	633141	105.666	ug/L	97

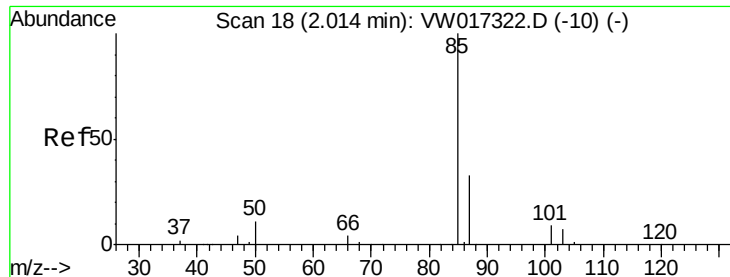
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 97.092 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampled :

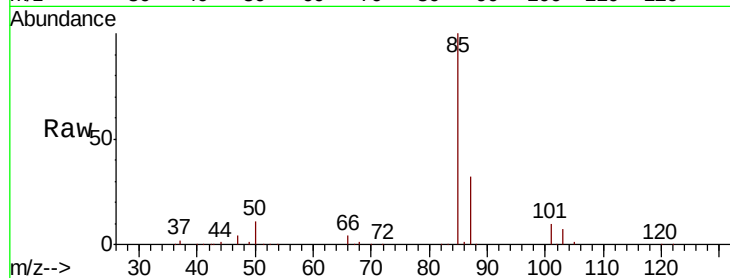
VSTD10003

Tot Ion: 85 Resp: 374959

Ion Ratio Lower Upper

85 100

87 31.8 21.8 40.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

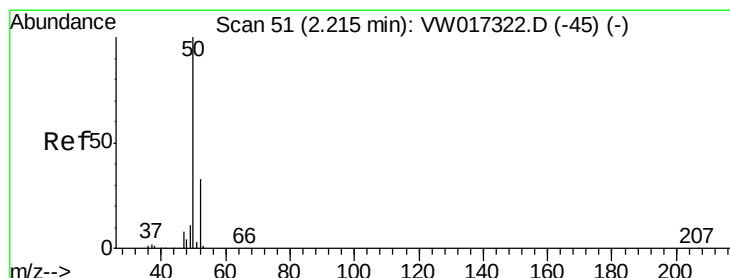
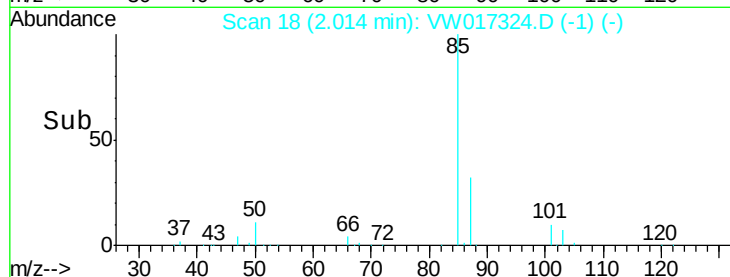
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 111.494 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017324.D

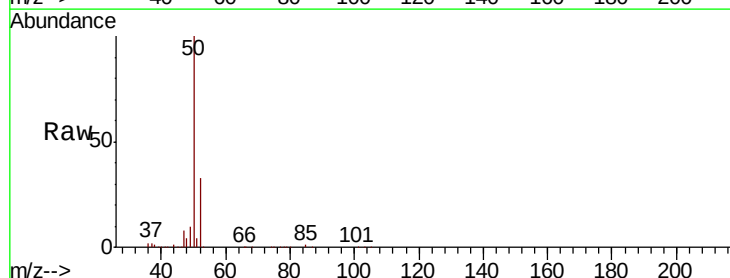
Acq: 18 Nov 2020 12:56

Tgt Ion: 50 Resp: 406638

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.22

250000

200000

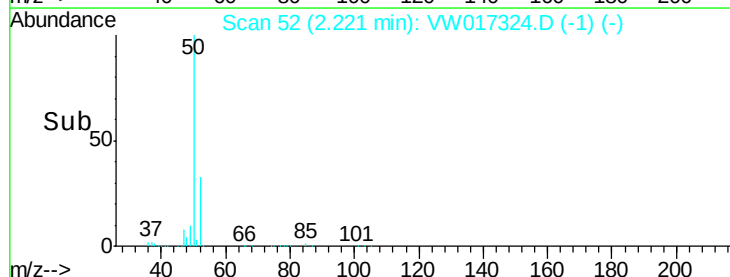
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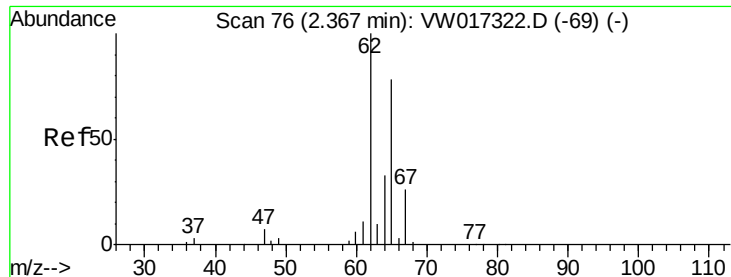
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 108.157 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

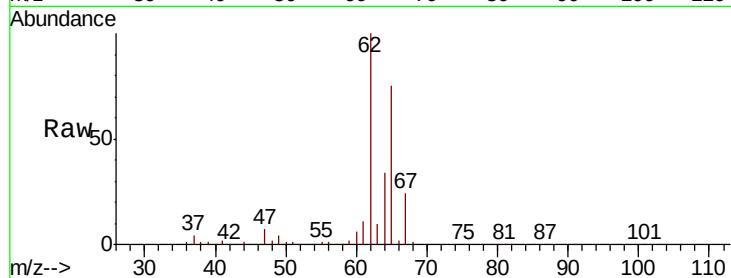
VSTD10003

Tot Ion: 62 Resp: 577910

Ion Ratio Lower Upper

62 100

64 34.1 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

300000

250000

200000

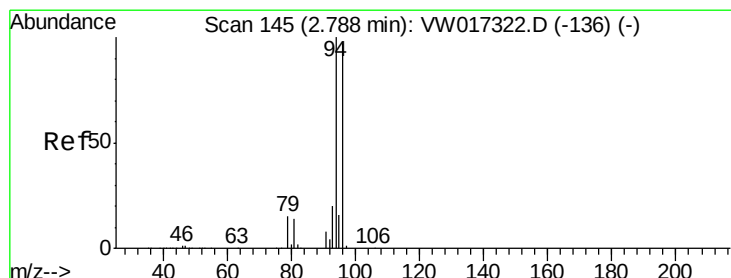
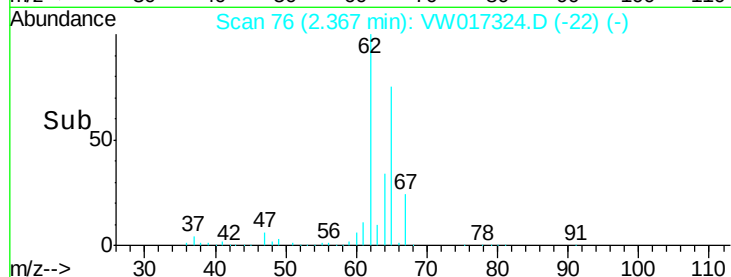
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 126.970 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017324.D

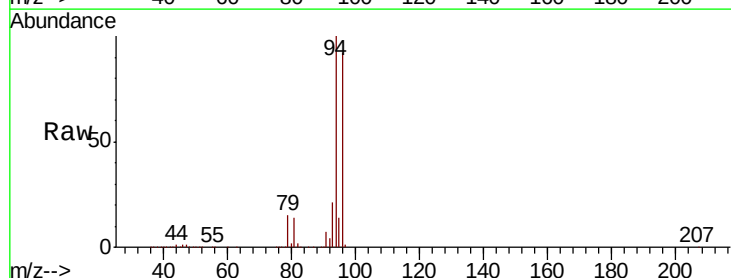
Acq: 18 Nov 2020 12:56

Tgt Ion: 94 Resp: 475300

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

250000

200000

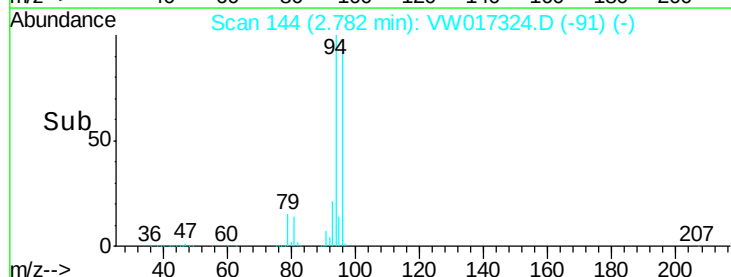
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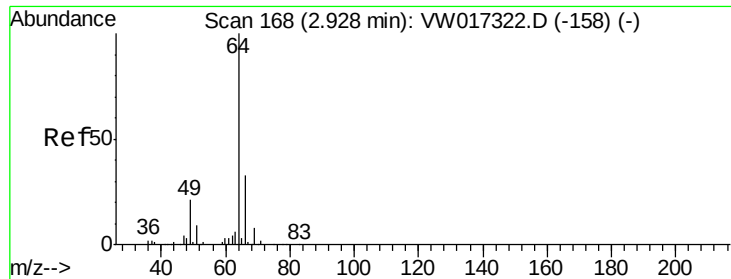
100000

50000

0

Time-->





#8

Chloroethane

Concen: 112.878 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

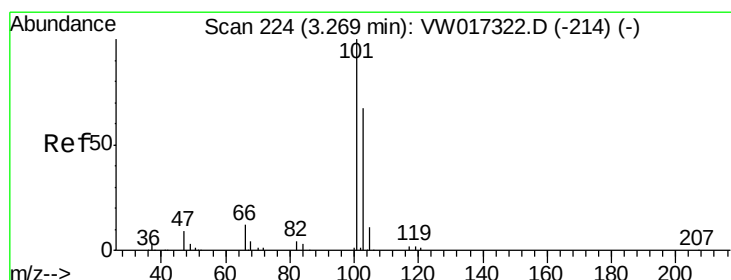
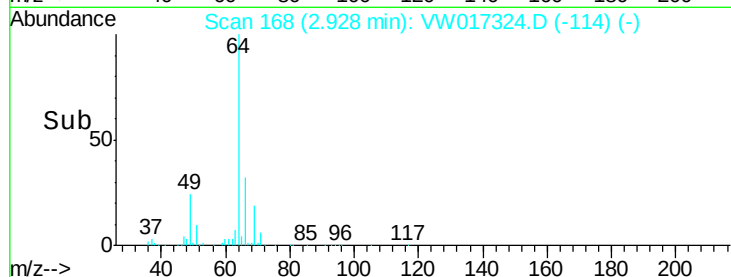
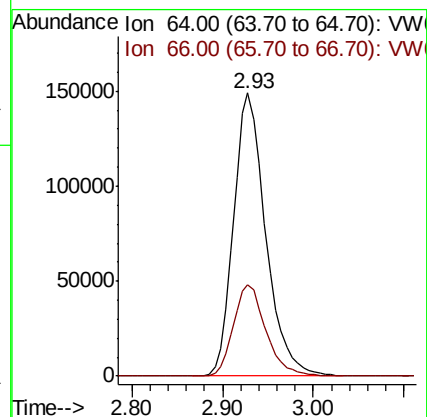
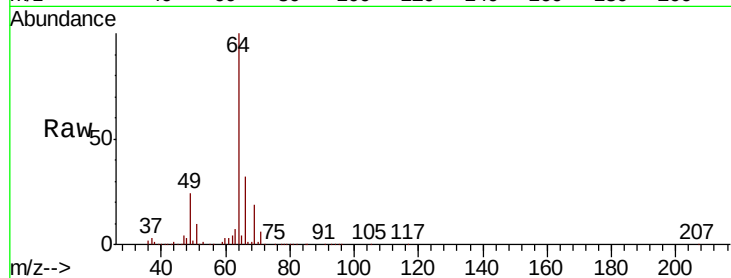
VSTD10003

Tot Ion: 64 Resp: 366092

Ion Ratio Lower Upper

64 100

66 32.4 23.2 43.0



#9

Trichlorofluoromethane

Concen: 126.556 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017324.D

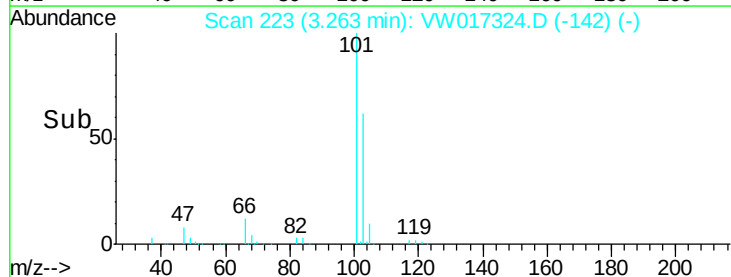
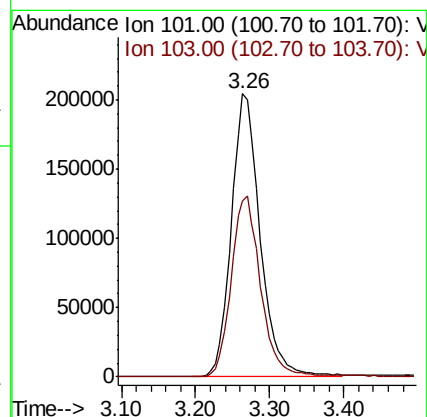
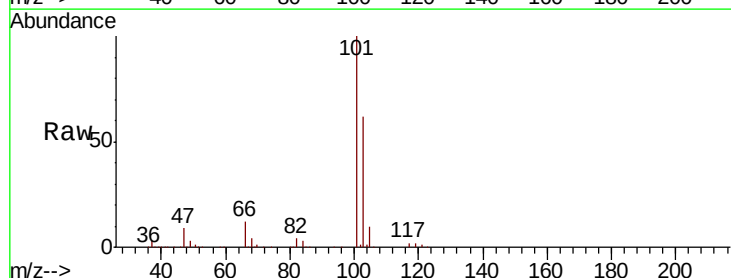
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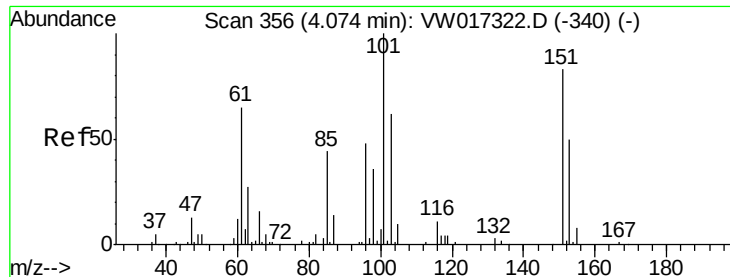
Tgt Ion: 101 Resp: 554899

Ion Ratio Lower Upper

101 100

103 64.8 45.8 85.2





#11

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

Concen: 106.388 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

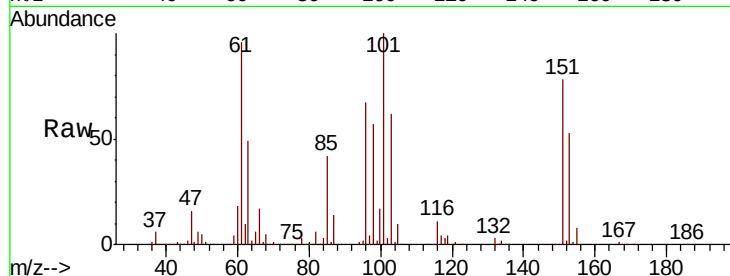
Tot Ion:101 Resp: 539869

Ion Ratio Lower Upper

101 100

85 42.4 34.6 51.8

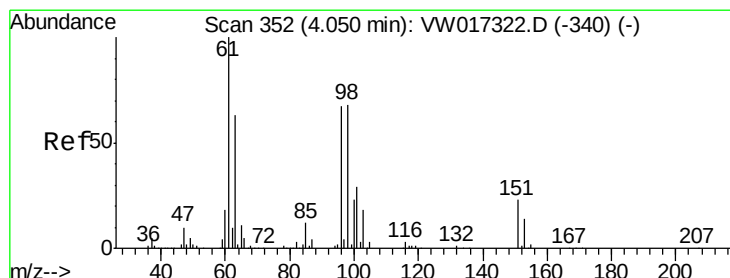
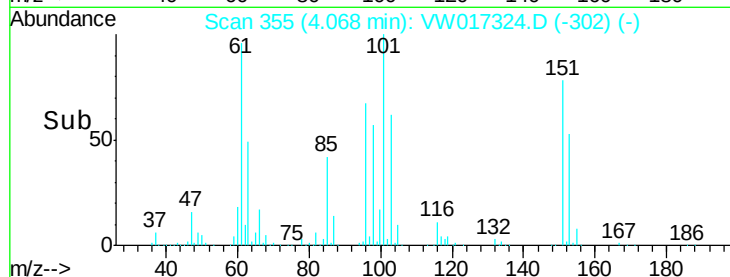
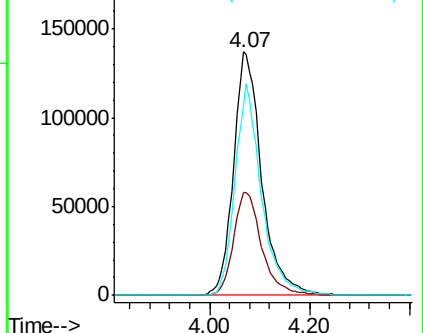
151 81.0 66.3 99.5



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: 109.285 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

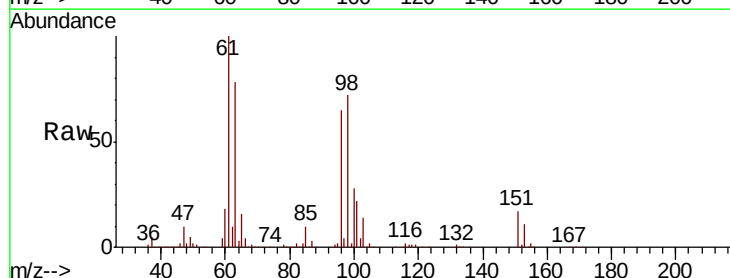
Tgt Ion: 96 Resp: 534451

Ion Ratio Lower Upper

96 100

61 154.0 104.7 194.4

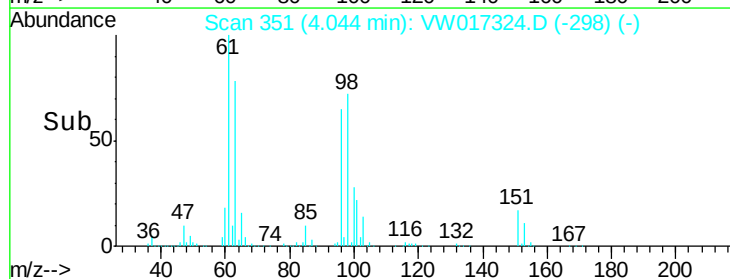
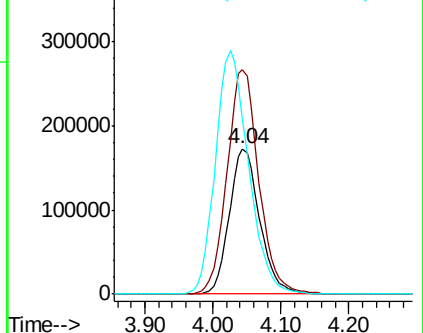
63 120.8 69.6 129.2

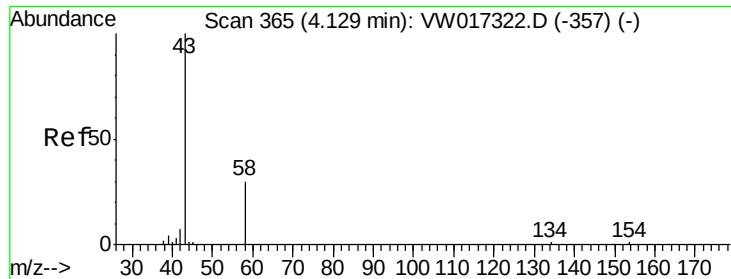


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 161.231 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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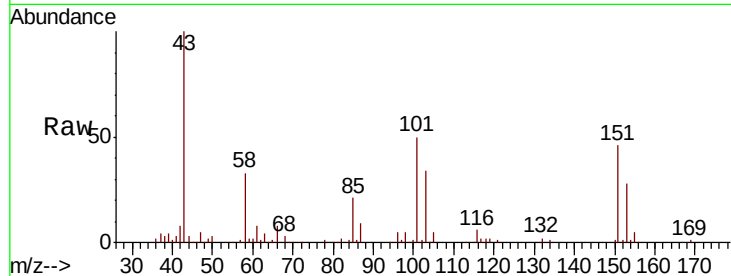
VSTD10003

Tot Ion: 43 Resp: 113628

Ion Ratio Lower Upper

43 100

58 30.8 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

40000

30000

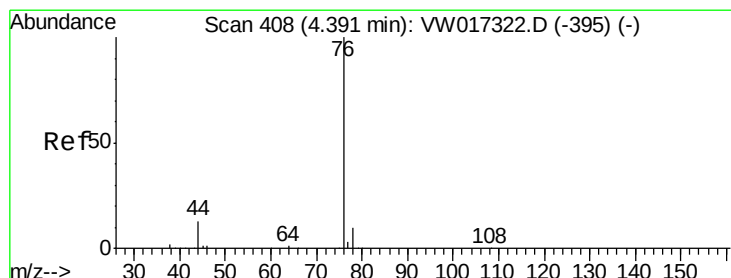
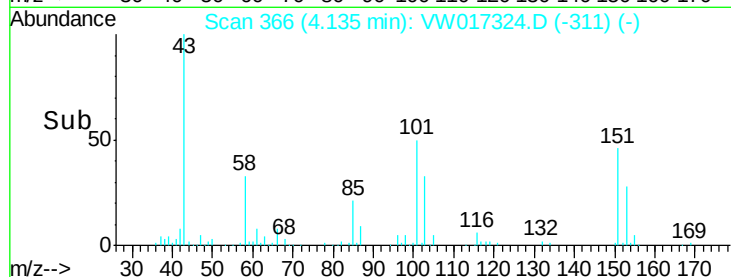
20000

10000

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Time-->

3.90 4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 115.912 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017324.D

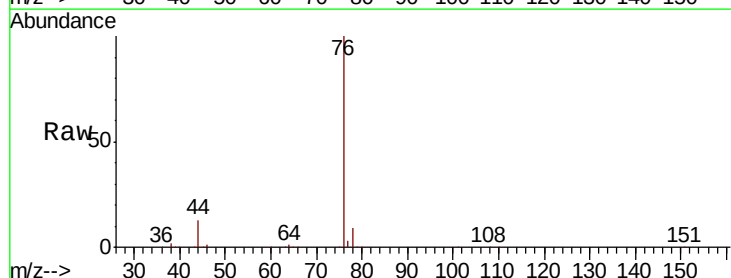
Acq: 18 Nov 2020 12:56

Tgt Ion: 76 Resp: 1576181

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

600000

500000

400000

300000

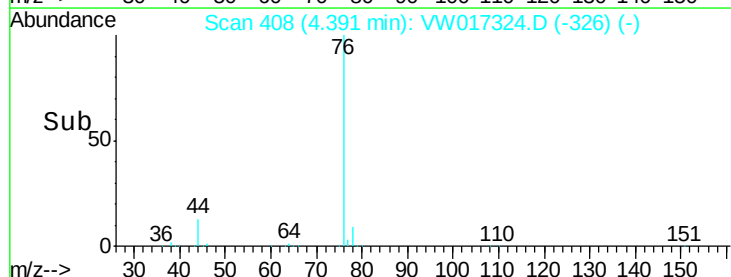
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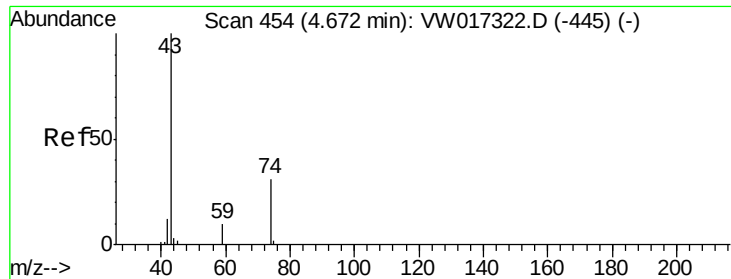
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0

Time-->

4.20 4.30 4.40 4.50 4.60

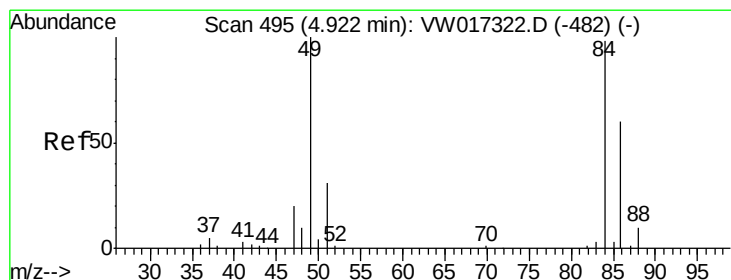
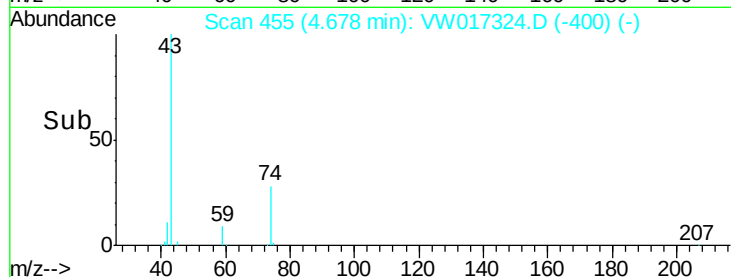
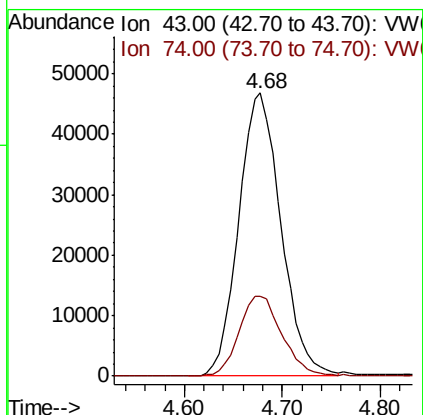
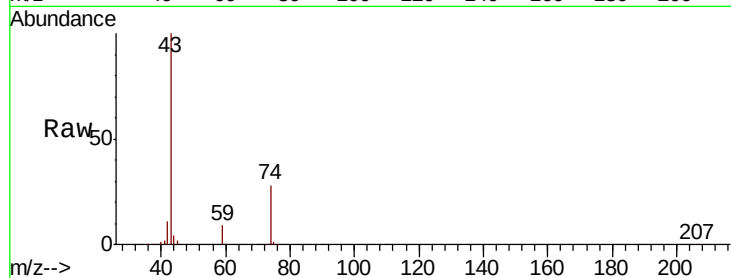




#15
Methyl Acetate
Concen: 81.646 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

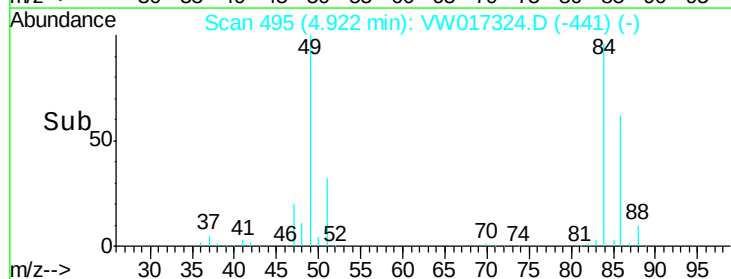
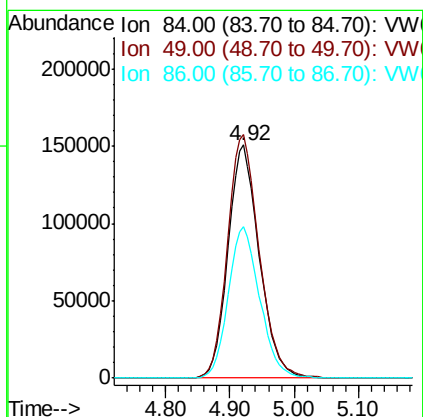
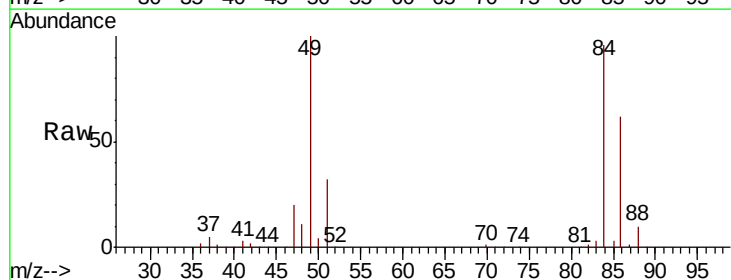
Instrument :
MSVOA_W
ClientSampled :
VSTD10003

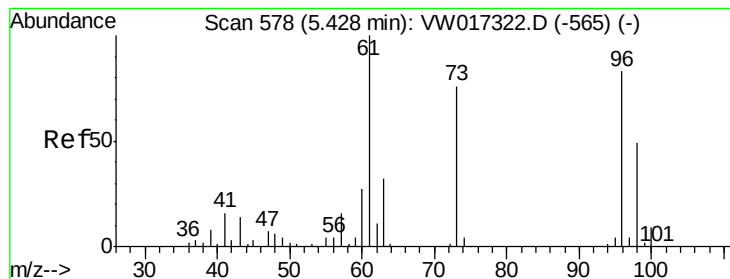
Tot Ion: 43 Resp: 140408
Ion Ratio Lower Upper
43 100
74 28.7 23.7 35.5



#16
Methylene chloride
Concen: 93.948 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion: 84 Resp: 511776
Ion Ratio Lower Upper
84 100
49 104.5 71.5 132.9
86 64.9 42.8 79.4



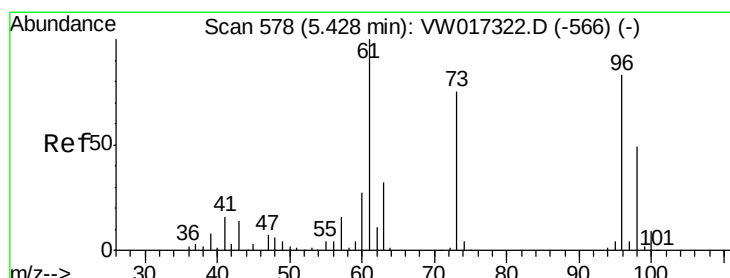
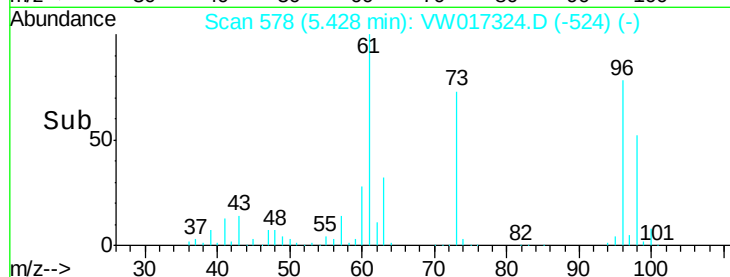
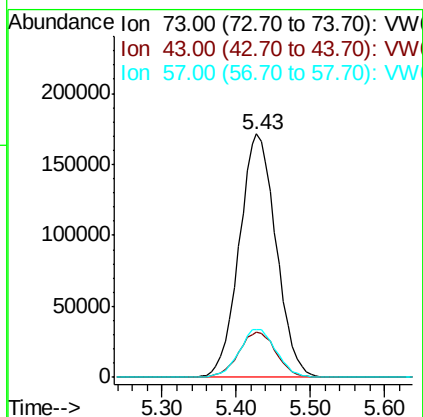
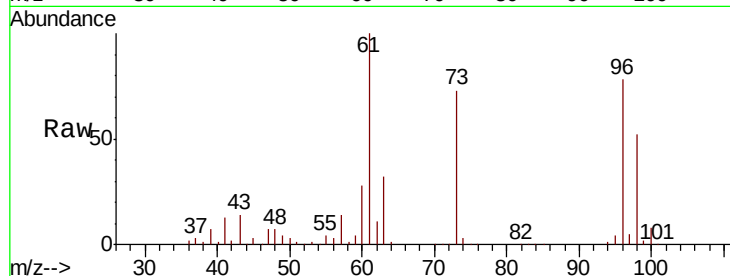


#17

Methyl tert-butyl Ether
 Concen: 101.253 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10003

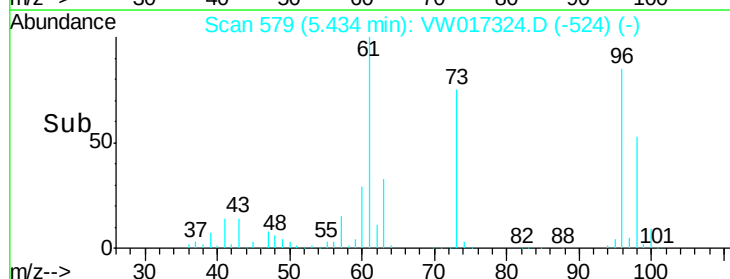
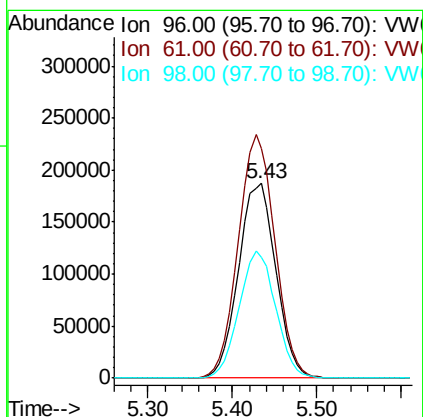
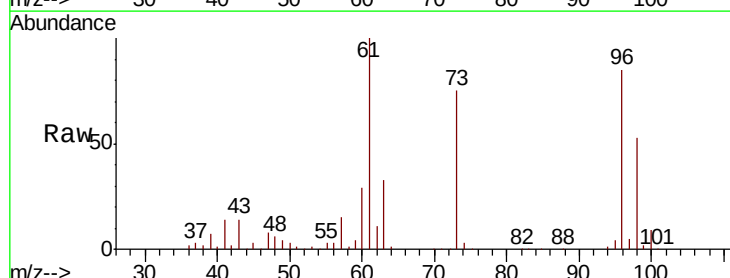
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.7	23.5
57	19.9	16.3	24.5

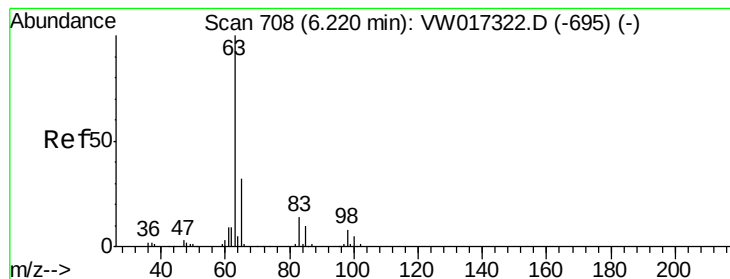


#18

trans-1,2-Dichloroethene
 Concen: 110.748 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.0	84.3	156.5
98	62.1	41.5	77.1





#19

1,1-Dichloroethane

Concen: 108.174 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

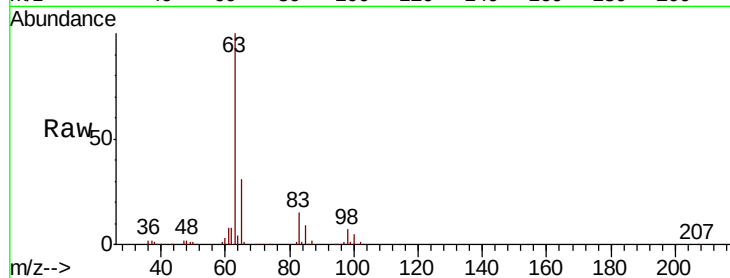
Tot Ion: 63 Resp: 864586

Ion Ratio Lower Upper

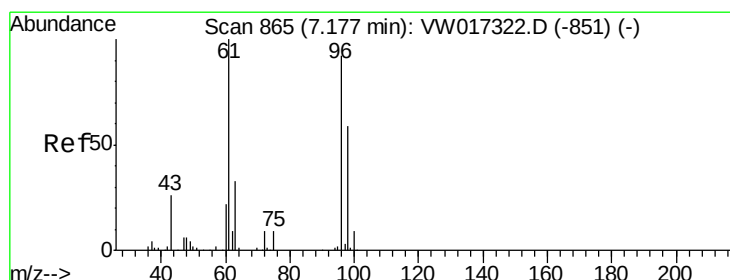
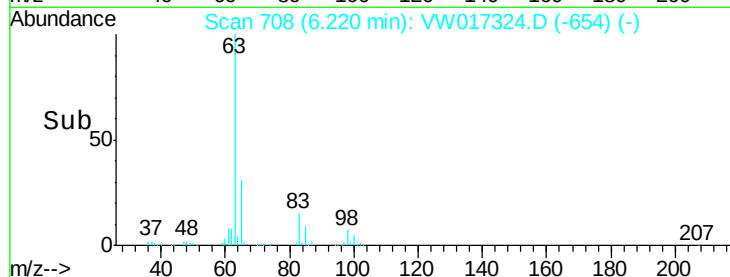
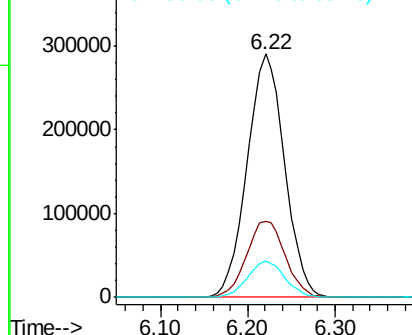
63 100

65 31.4 22.3 41.5

83 14.8 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 155.248 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017324.D

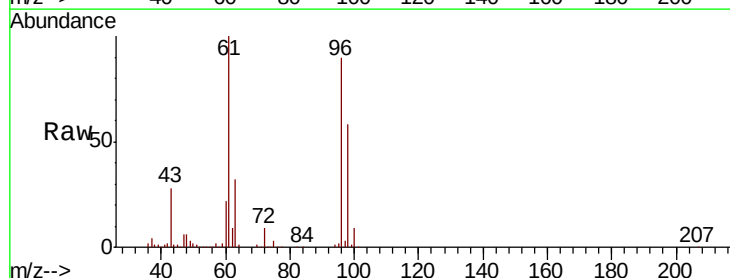
Acq: 18 Nov 2020 12:56

Tgt Ion: 43 Resp: 174159

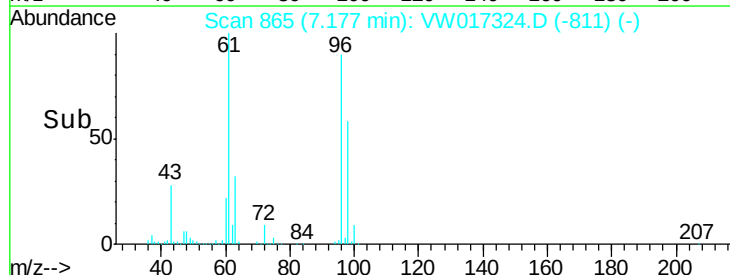
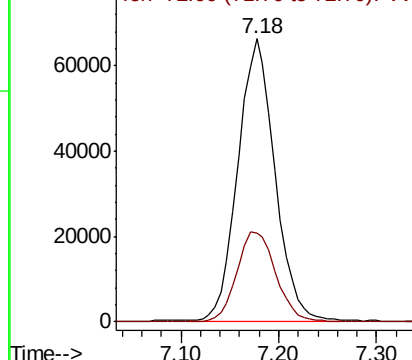
Ion Ratio Lower Upper

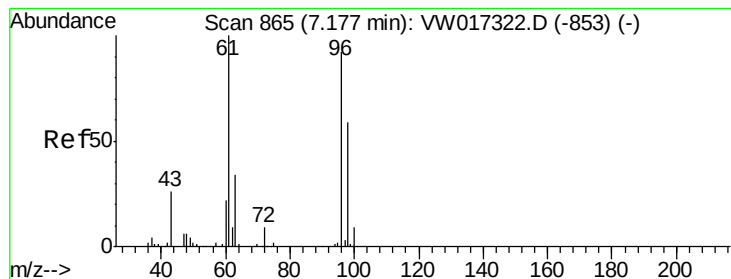
43 100

72 33.6 16.4 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



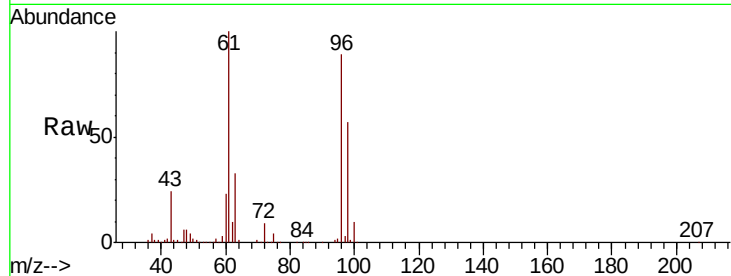


#22

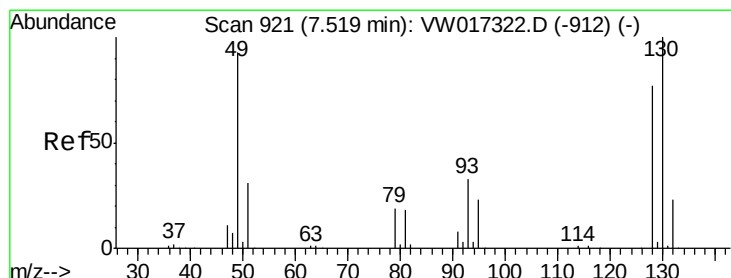
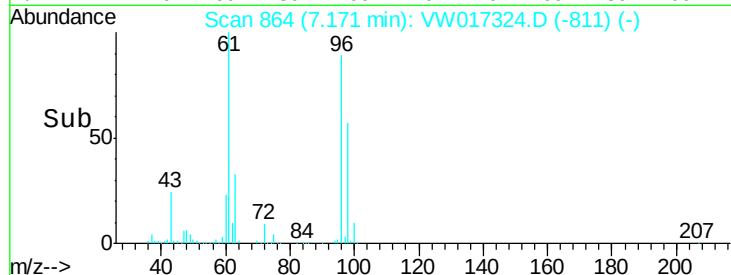
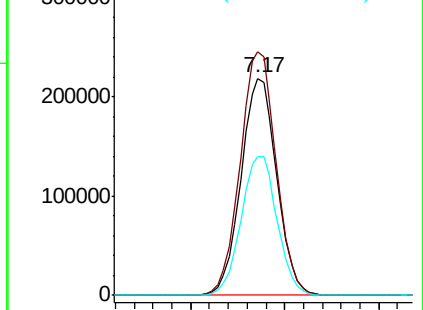
cis-1,2-Dichloroethene
Concen: 109.080 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Tot Ion: 96 Resp: 580882
Ion Ratio Lower Upper
96 100
61 112.1 76.1 141.3
98 64.1 44.7 82.9



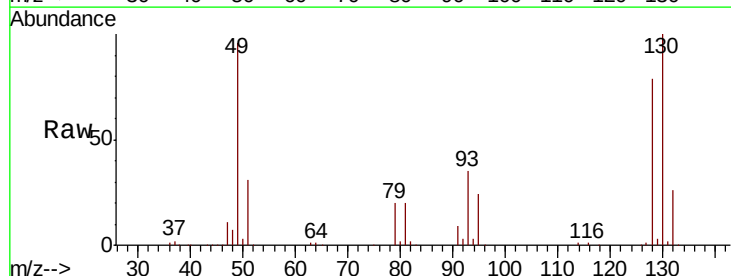
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



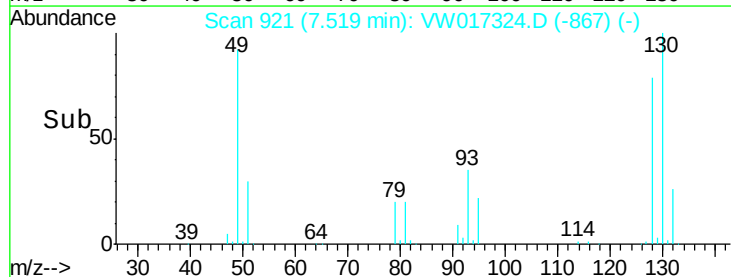
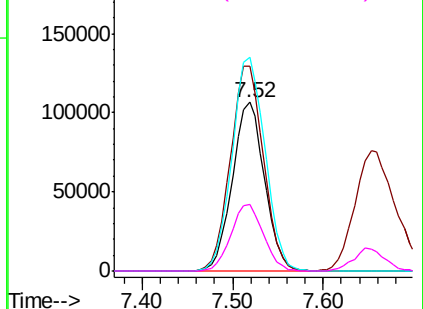
#23

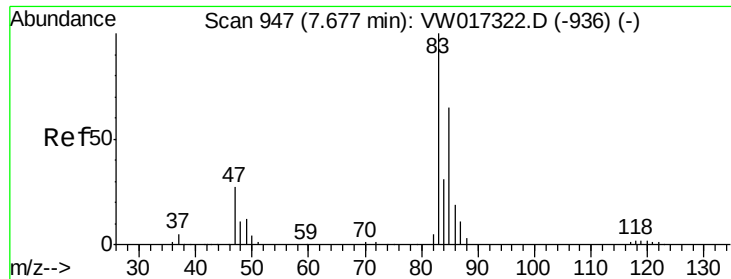
Bromochloromethane
Concen: 103.846 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion: 128 Resp: 262435
Ion Ratio Lower Upper
128 100
49 121.7 85.5 158.7
130 126.5 91.5 169.9
51 39.1 32.8 49.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

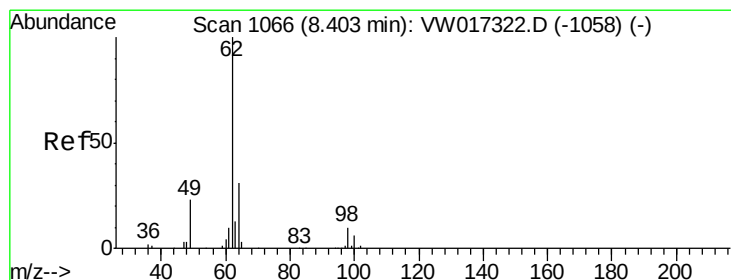
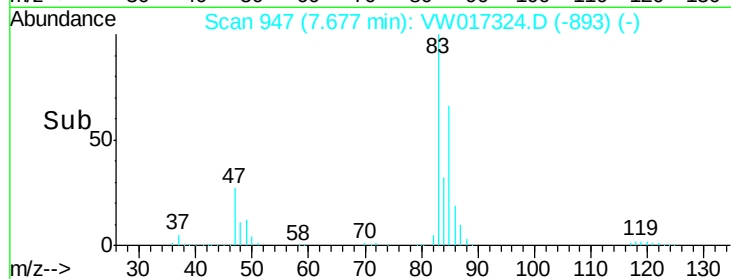
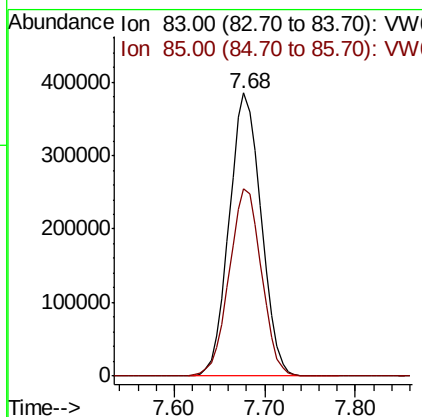
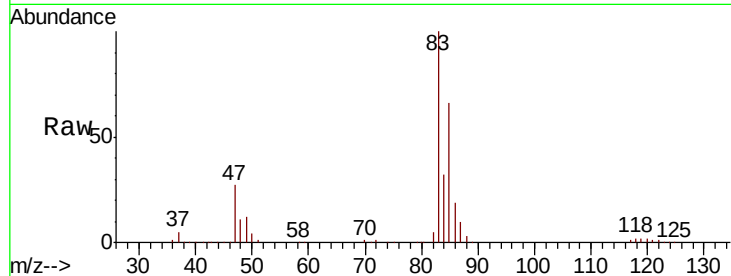




#25
Chloroform
Concen: 108.017 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

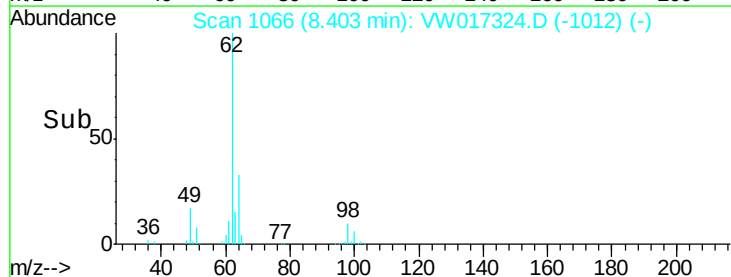
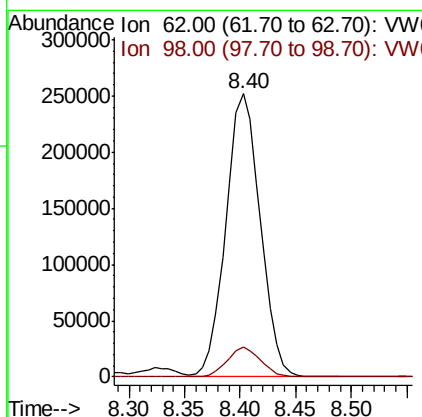
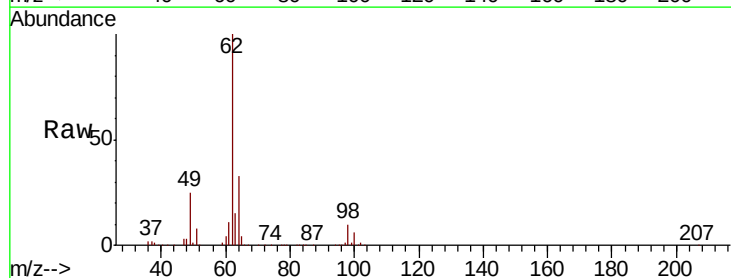
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

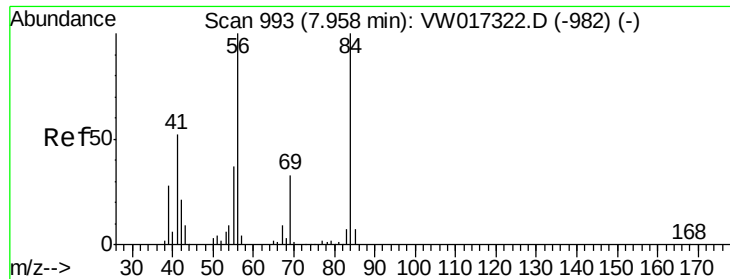
Tot Ion: 83 Resp: 943397
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 103.869 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion: 62 Resp: 537663
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5

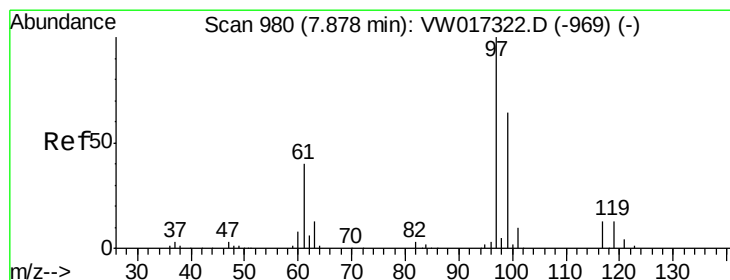
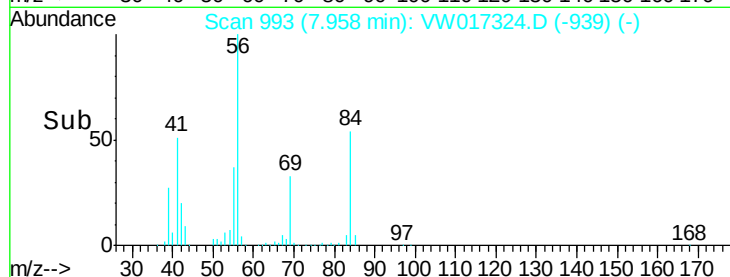
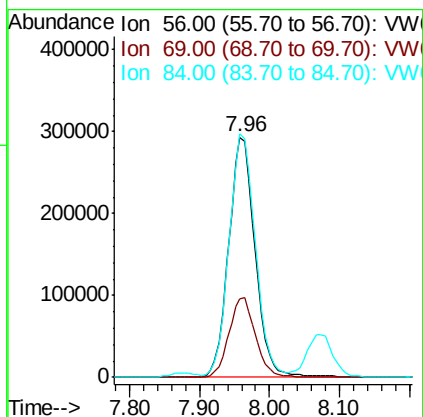
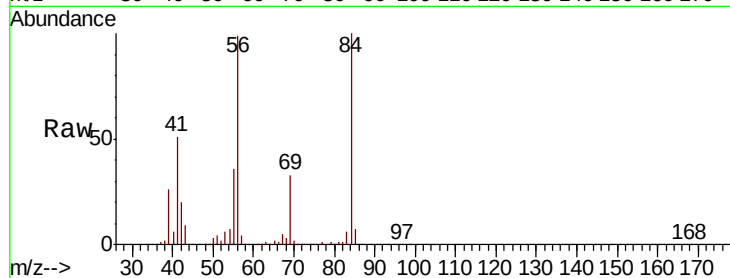




#30
Cyclohexane
Concen: 112.404 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

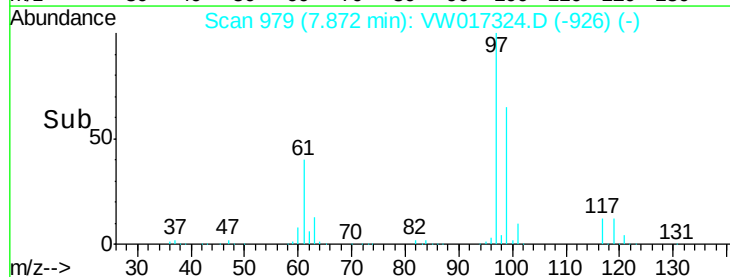
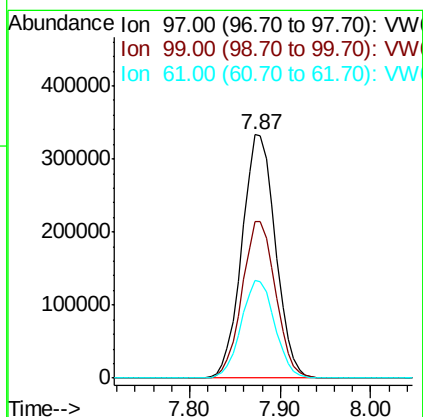
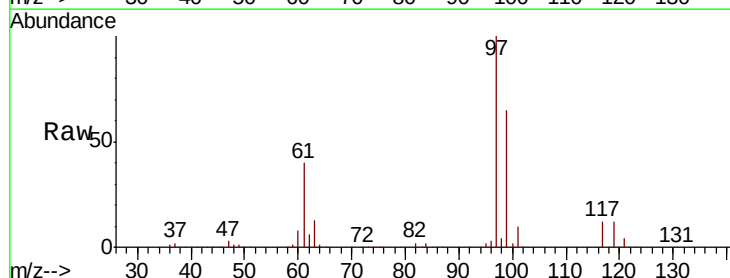
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

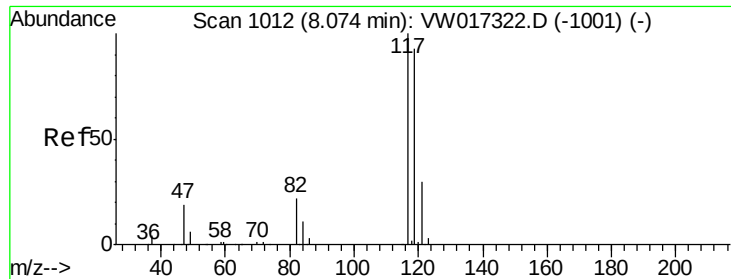
Tot Ion: 56 Resp: 771046
Ion Ratio Lower Upper
56 100
69 33.0 27.0 40.6
84 100.5 82.2 123.4



#31
1,1,1-Trichloroethane
Concen: 112.941 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion: 97 Resp: 854565
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 40.1 32.7 49.1





#32

Carbon tetrachloride

Concen: 113.521 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

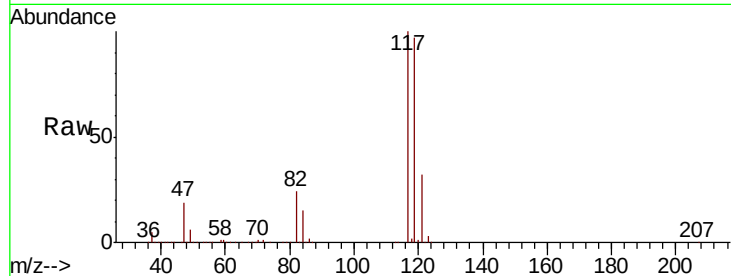
VSTD10003

Tot Ion:117 Resp: 827615

Ion Ratio Lower Upper

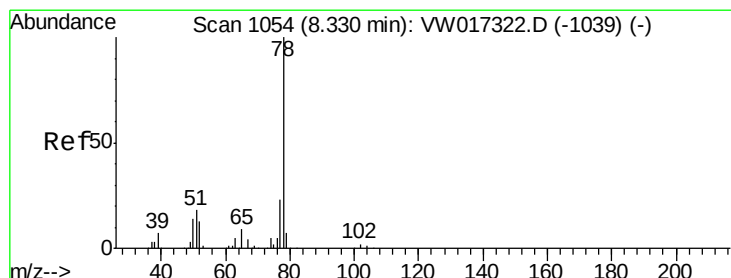
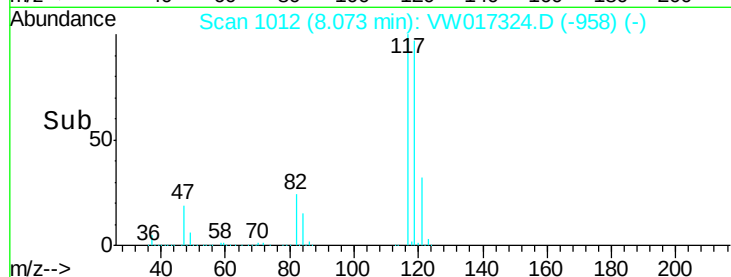
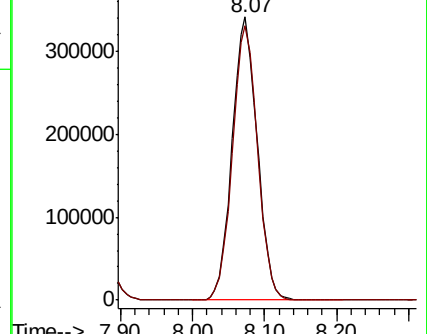
117 100

119 97.1 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 105.701 ug/L

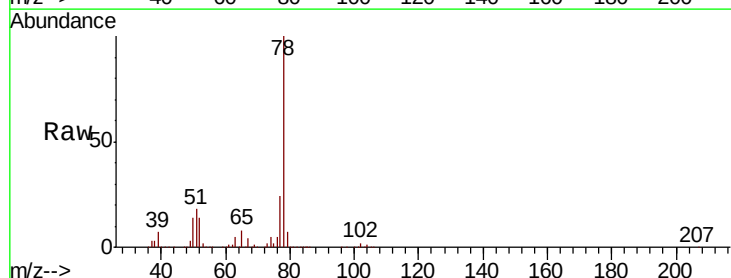
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

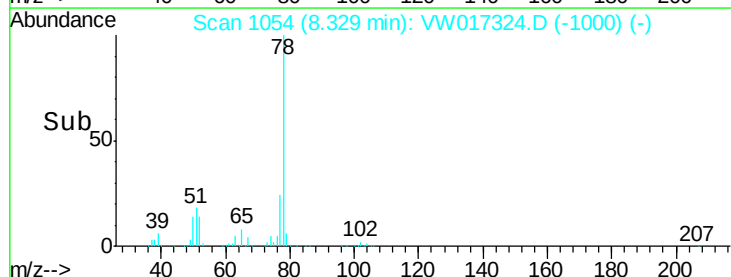
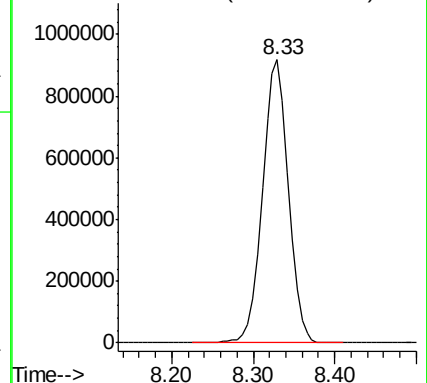
Lab File: VW017324.D

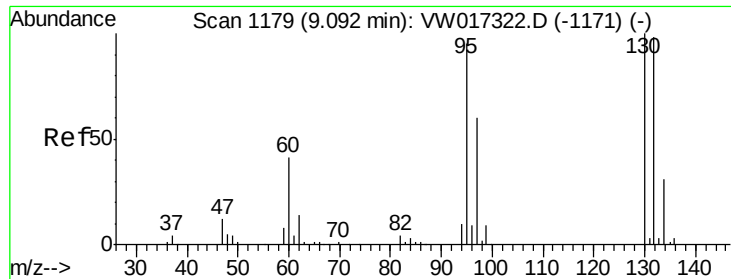
Acq: 18 Nov 2020 12:56

Tgt Ion: 78 Resp: 2026957



Abundance Ion 78.00 (77.70 to 78.70): VW

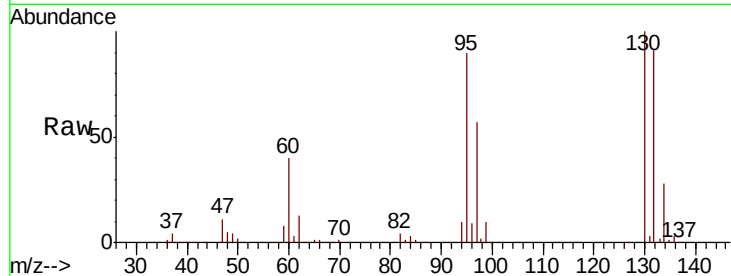




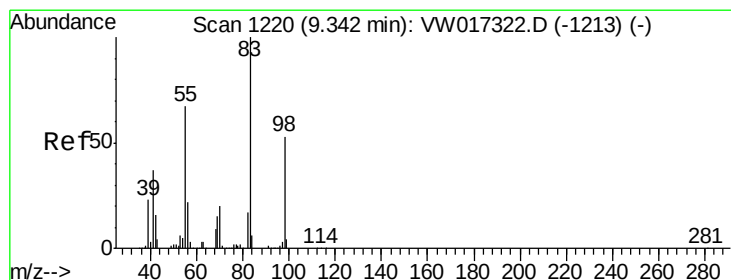
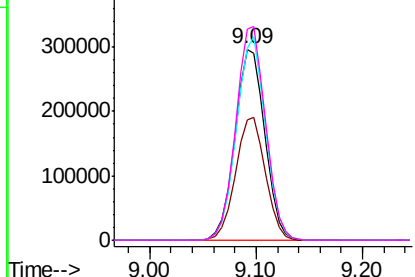
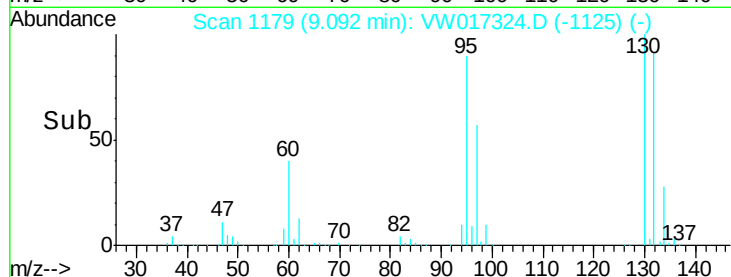
#35
 Trichloroethene
 Concen: 107.781 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10003

Tot Ion: 95 Resp: 582842
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 82.9
 132 104.3 72.7 134.9
 130 111.7 76.1 141.3

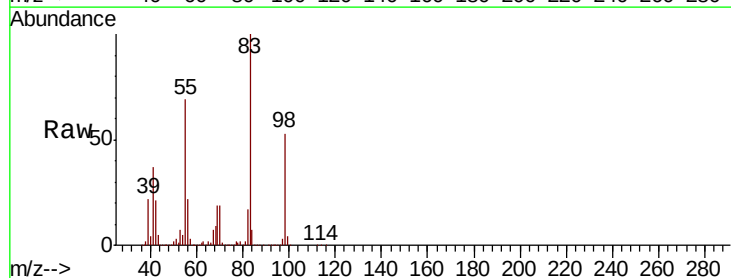


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

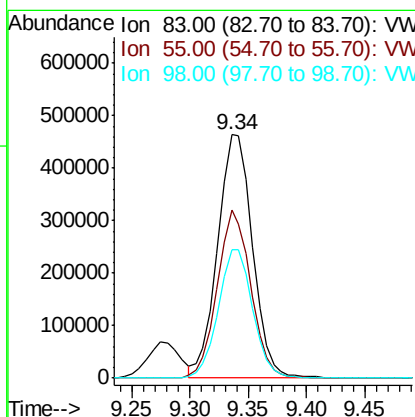
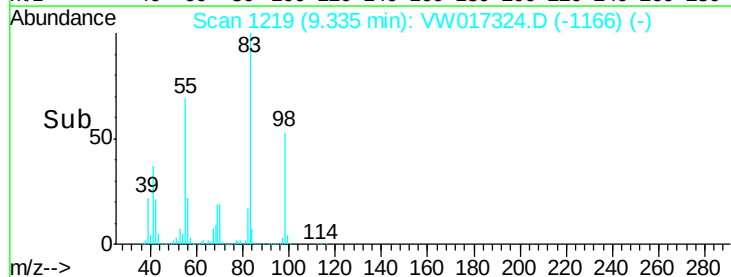


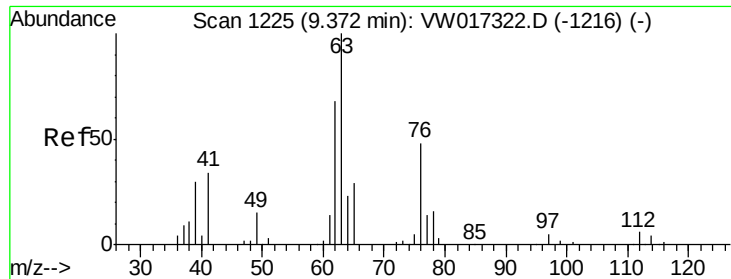
#36
 Methylcyclohexane
 Concen: 110.142 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Tgt Ion: 83 Resp: 958205
 Ion Ratio Lower Upper
 83 100
 55 66.5 54.6 81.8
 98 52.5 41.5 62.3



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

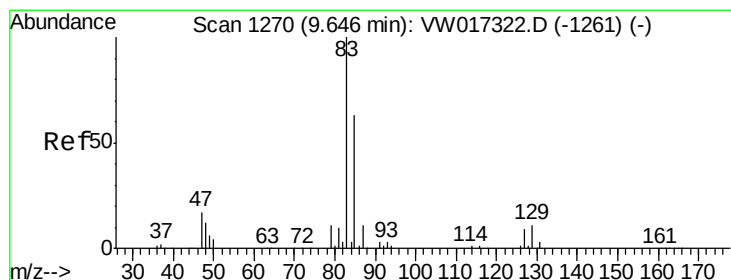
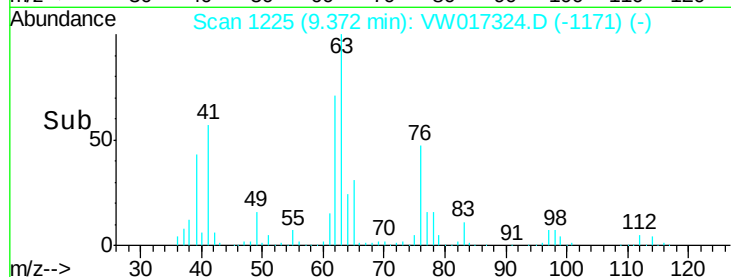
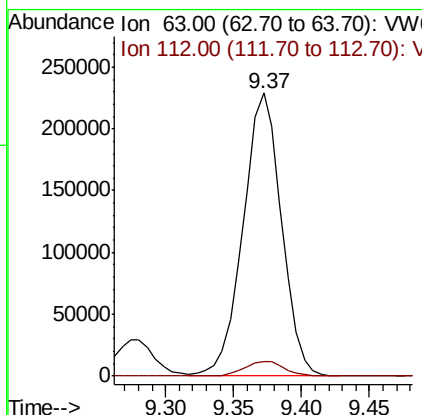
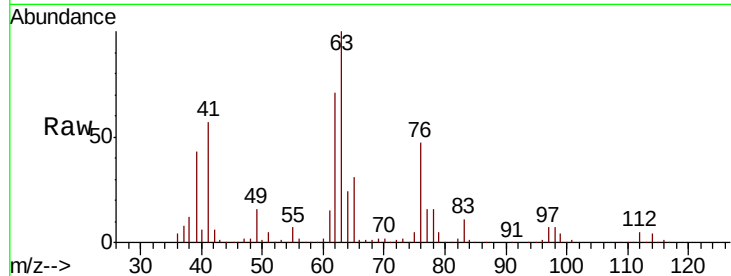




#40
 1,2-Dichloropropane
 Concen: 102.297 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

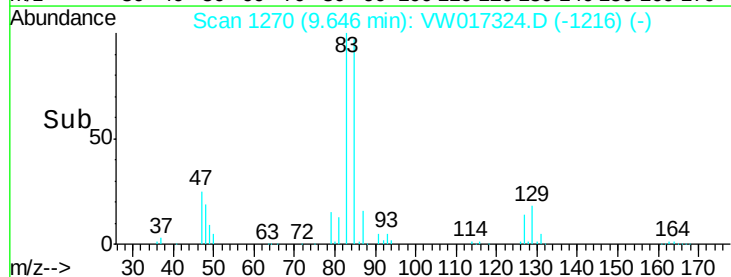
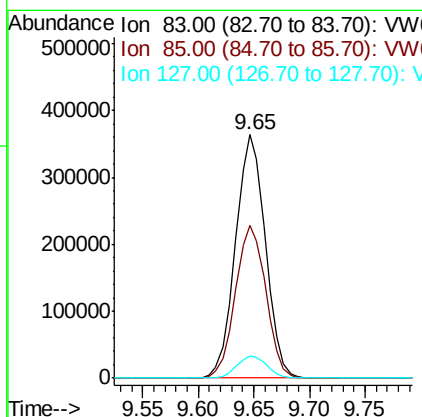
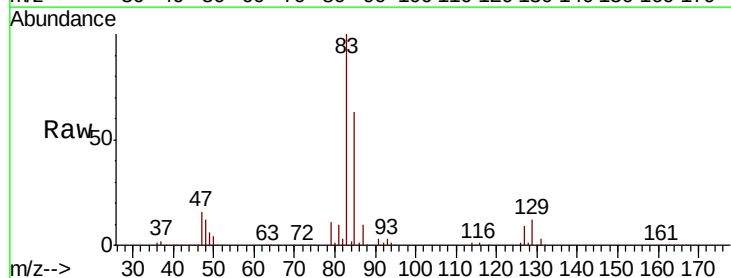
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10003

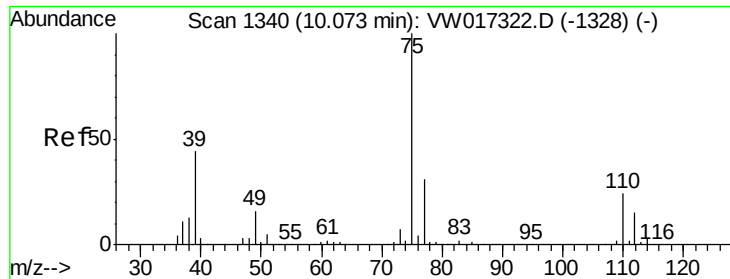
Tot Ion: 63 Resp: 453273
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.2 6.4



#41
 Bromodichloromethane
 Concen: 109.832 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Tgt Ion: 83 Resp: 674072
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.1 81.9
 127 9.2 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 111.825 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

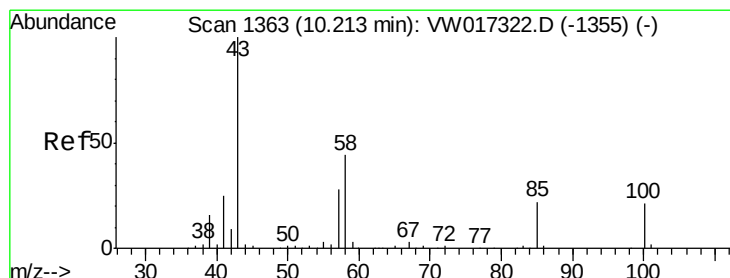
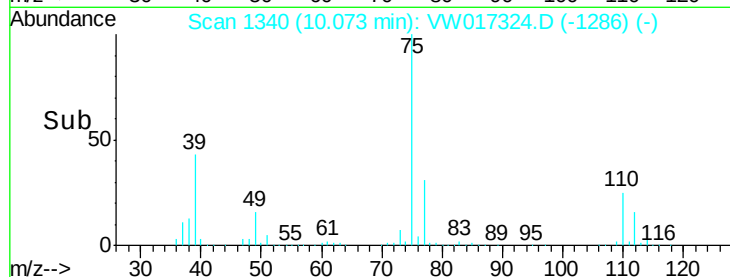
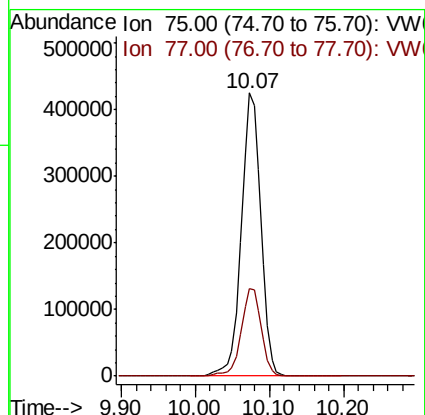
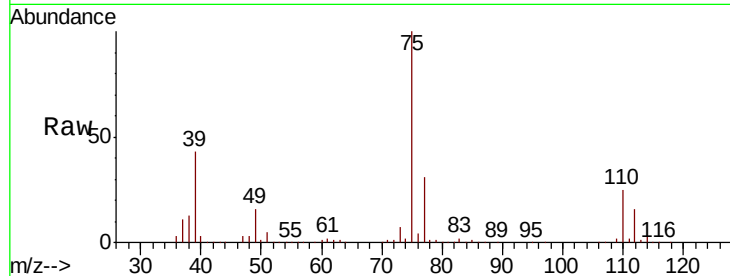
VSTD10003

Tot Ion: 75 Resp: 782730

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 155.048 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

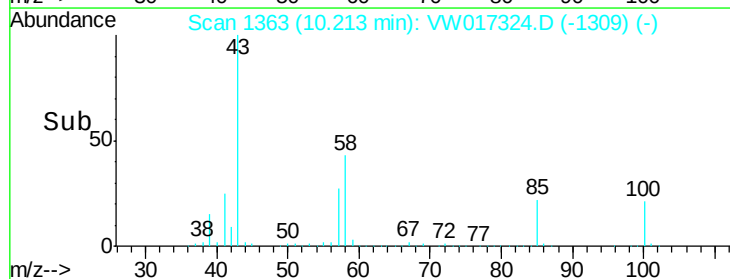
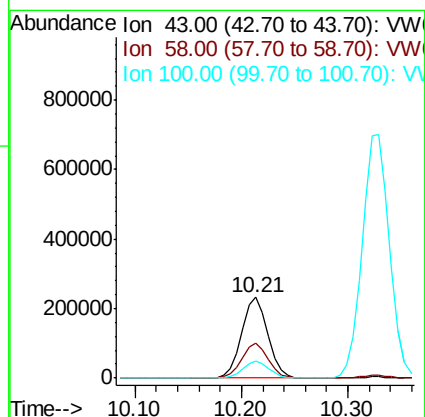
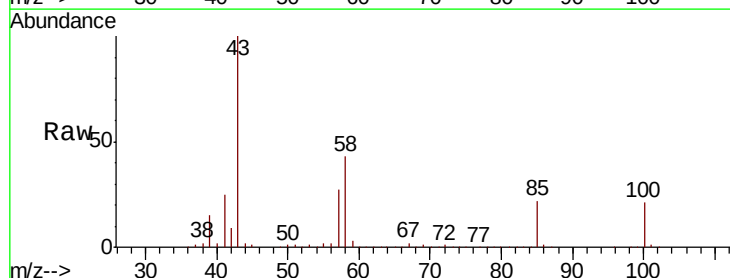
Tgt Ion: 43 Resp: 401878

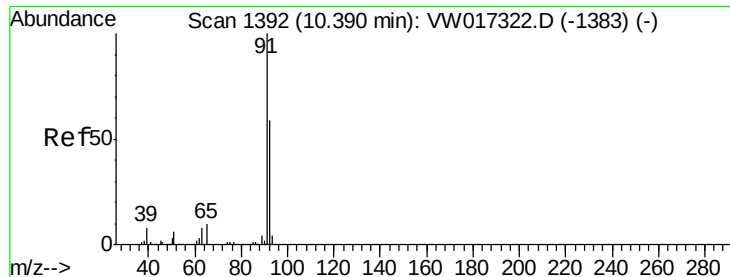
Ion Ratio Lower Upper

43 100

58 42.9 33.4 50.2

100 20.8 16.3 24.5





#44

Toluene

Concen: 109.525 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

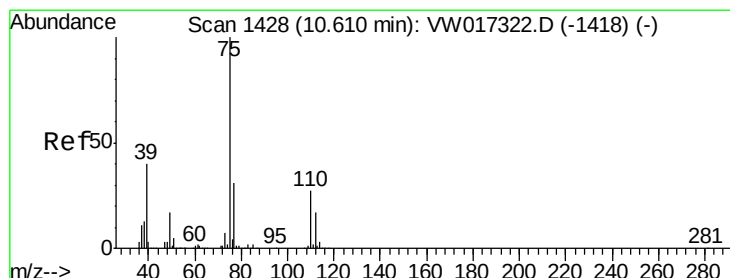
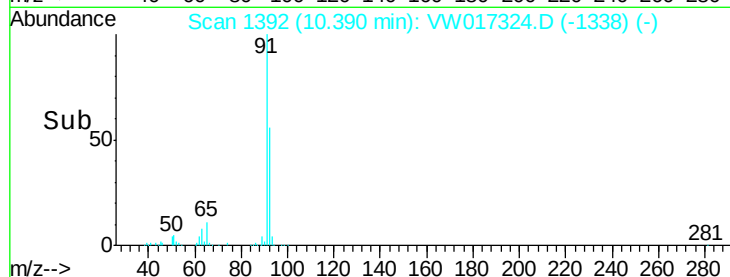
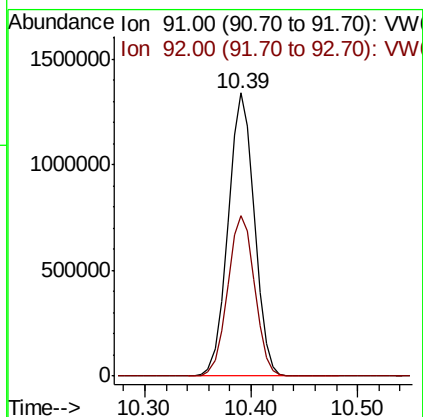
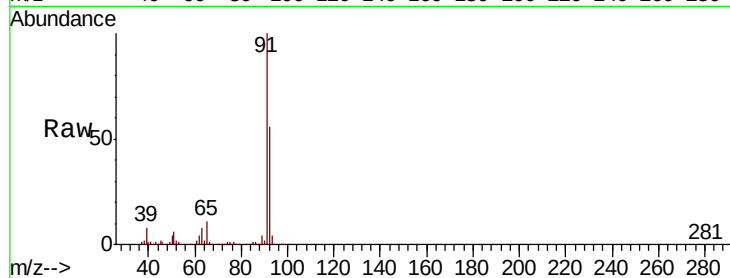
VSTD10003

Tot Ion: 91 Resp: 2312404

Ion Ratio Lower Upper

91 100

92 56.5 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 110.677 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017324.D

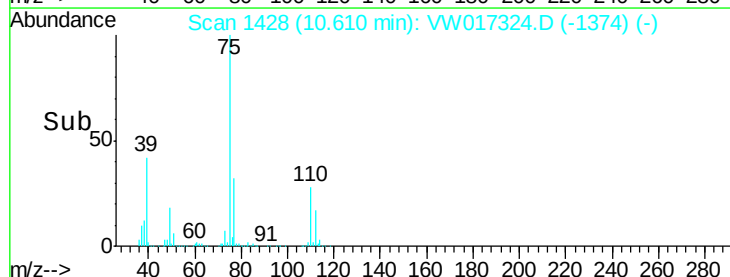
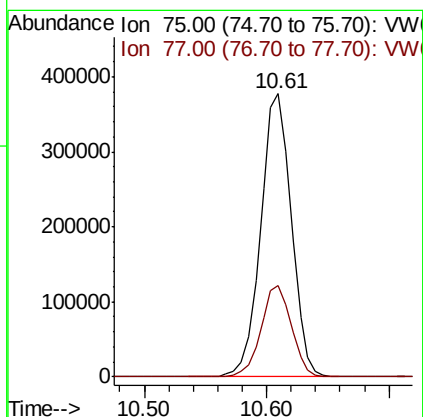
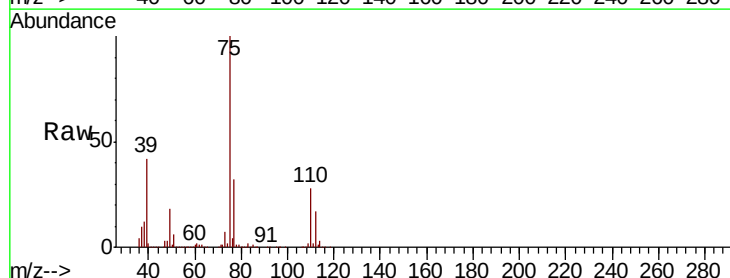
Acq: 18 Nov 2020 12:56

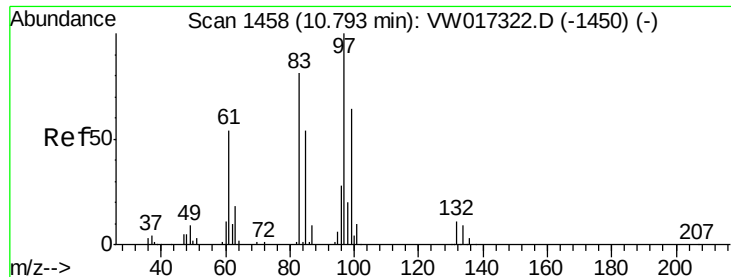
Tgt Ion: 75 Resp: 659587

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8

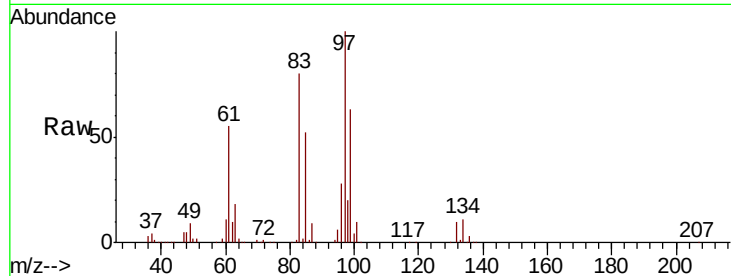




#46
1,1,2-Trichloroethane
Concen: 94.172 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Tot Ion	97	Resp	351484
Ion Ratio	Lower	Upper	
97	100		
83	79.9	56.6	105.2
85	52.2	37.7	69.9
99	62.5	44.8	83.2



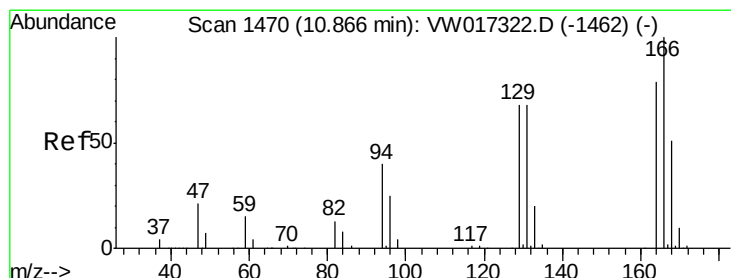
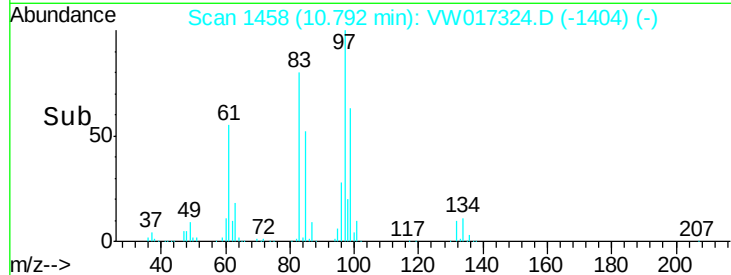
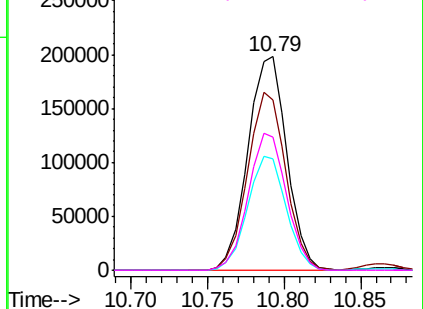
Abundance

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: 106.807 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion	164	Resp	522112
Ion Ratio	Lower	Upper	
164	100		
129	84.5	60.6	112.6
131	82.8	60.4	112.2
166	120.6	88.6	164.6

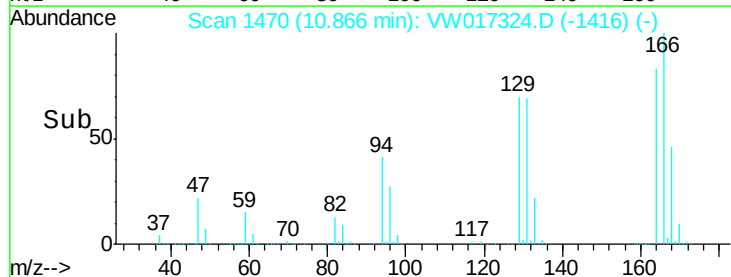
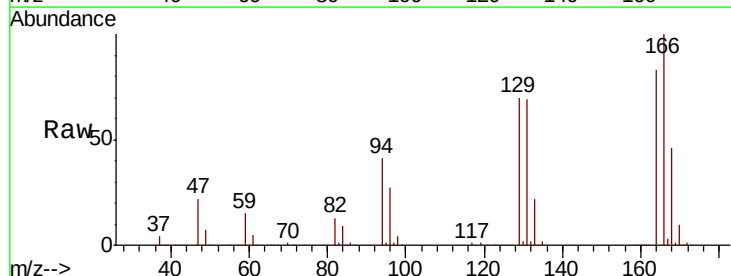
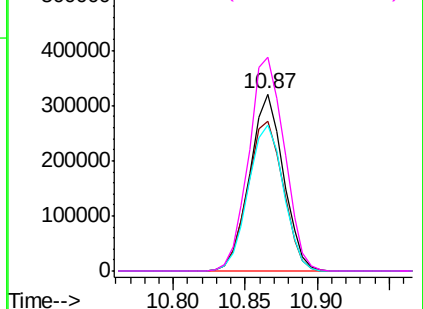
Abundance

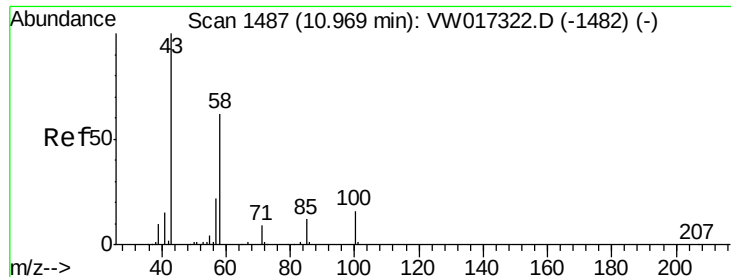
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

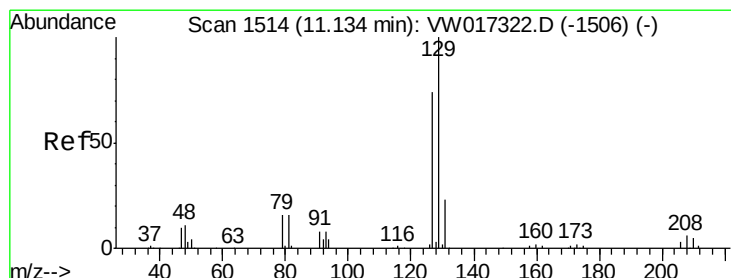
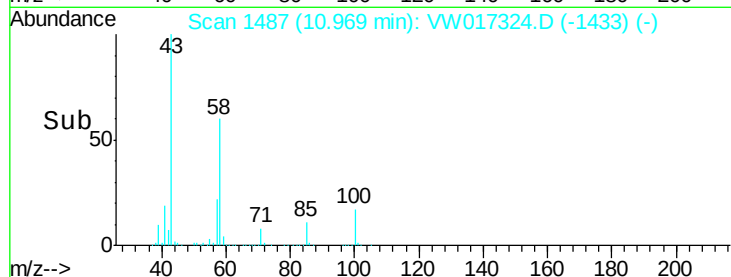
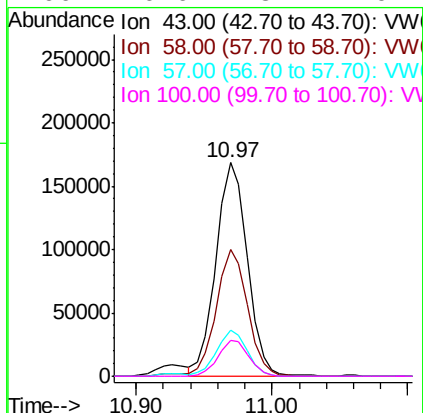
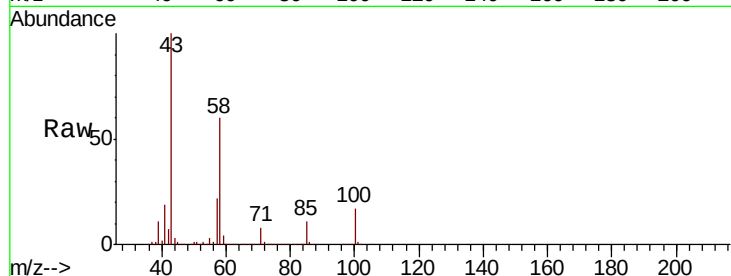




#49
2-Hexanone
Concen: 173.477 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

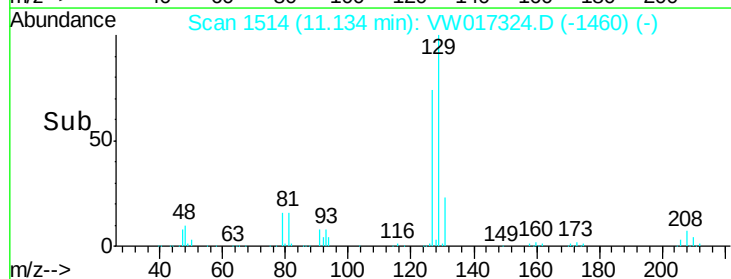
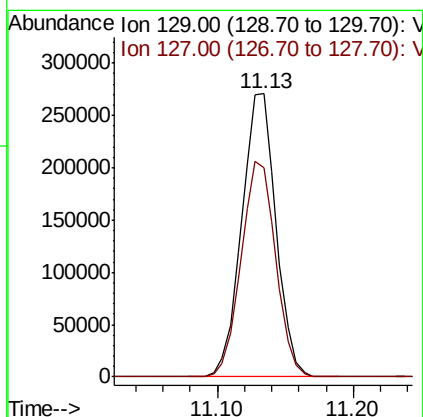
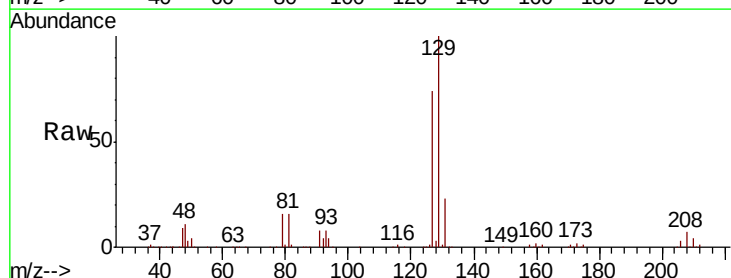
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

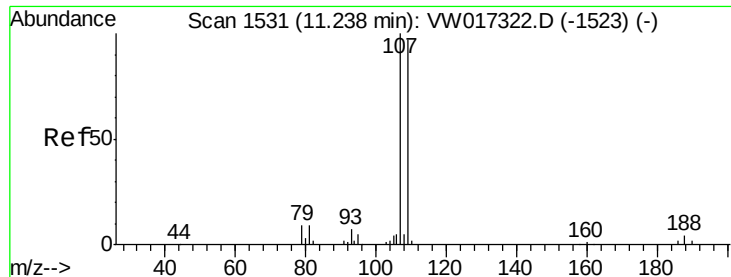
Tot Ion:	43	Resp:	270750
Ion	Ratio	Lower	Upper
43	100		
58	58.5	49.4	74.0
57	21.1	17.0	25.4
100	16.6	13.1	19.7



#50
Dibromochloromethane
Concen: 103.879 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion:	129	Resp:	478056
Ion	Ratio	Lower	Upper
129	100		
127	73.7	51.8	96.2

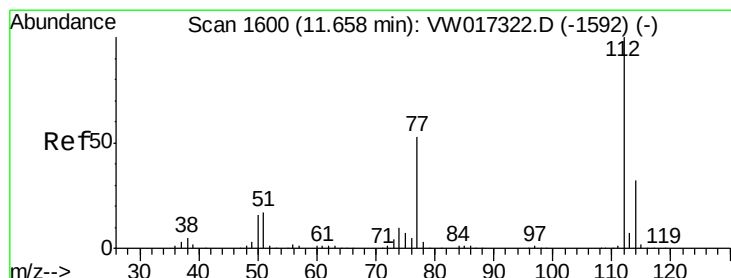
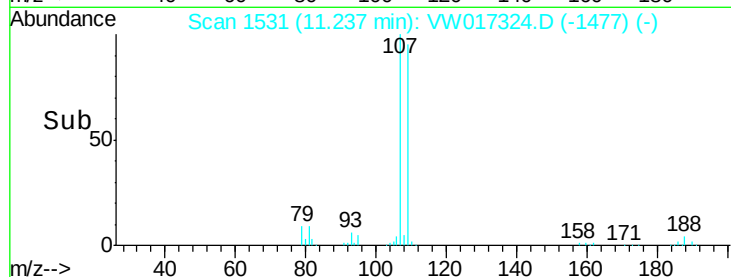
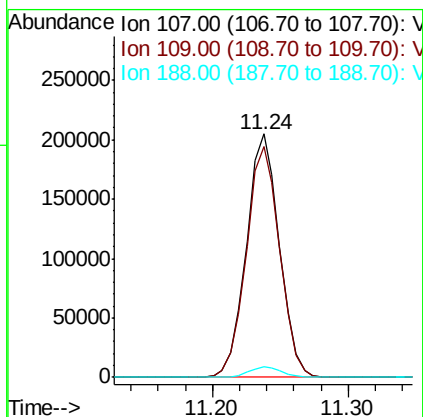
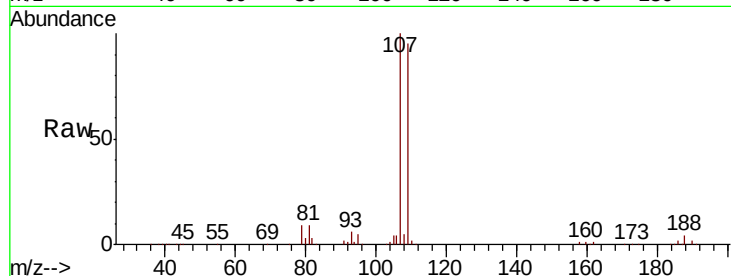




#51
1,2-Dibromoethane
Concen: 96.083 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

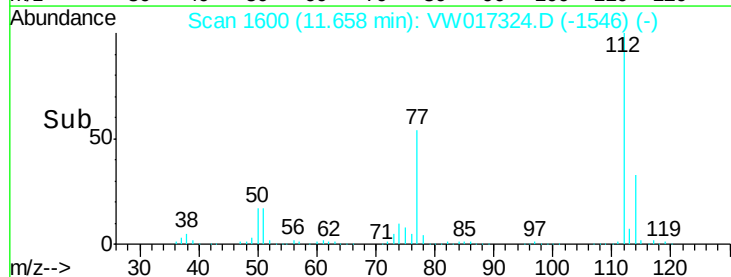
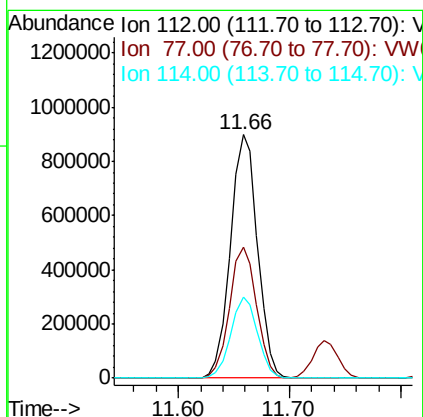
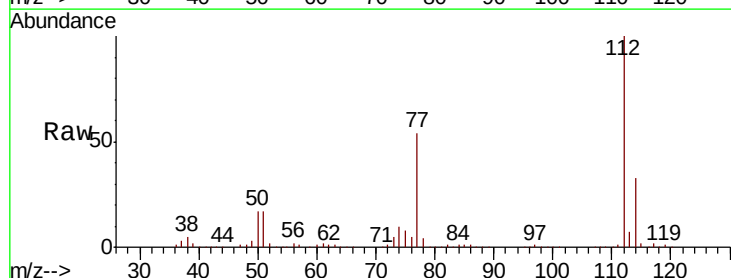
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

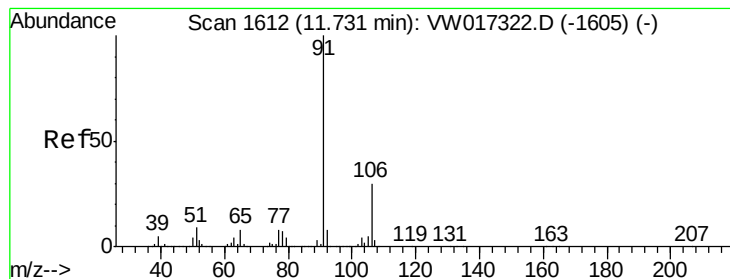
Tot Ion:107 Resp: 347403
Ion Ratio Lower Upper
107 100
109 94.8 68.2 126.6
188 4.5 3.3 4.9



#52
Chlorobenzene
Concen: 106.250 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017324.D
Acq: 18 Nov 2020 12:56

Tgt Ion:112 Resp: 1511109
Ion Ratio Lower Upper
112 100
77 53.6 42.2 63.4
114 33.2 22.1 41.1





#53

Ethylbenzene

Concen: 110.974 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

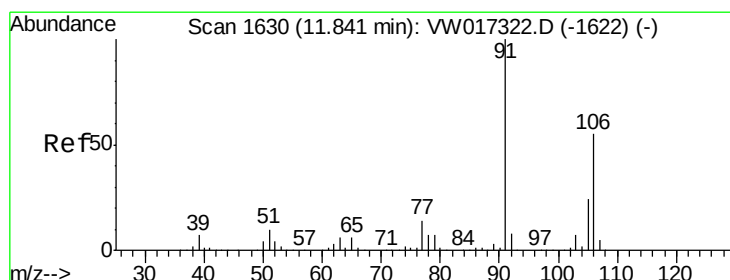
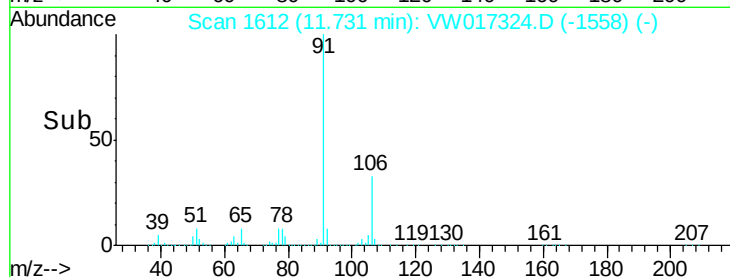
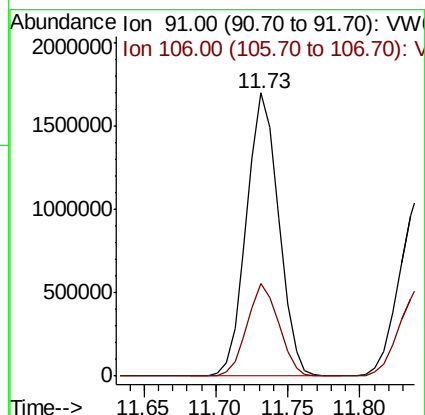
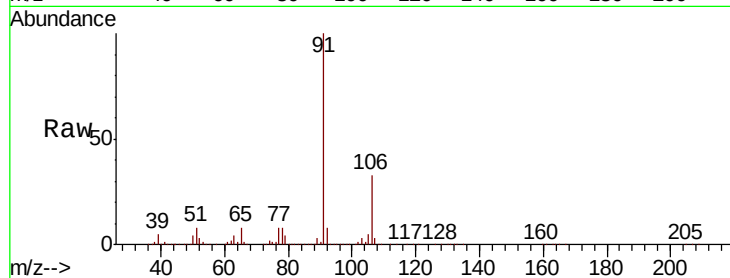
VSTD10003

Tot Ion: 91 Resp: 2628314

Ion Ratio Lower Upper

91 100

106 32.6 20.8 38.6



#54

m,p-Xylene

Concen: 110.792 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017324.D

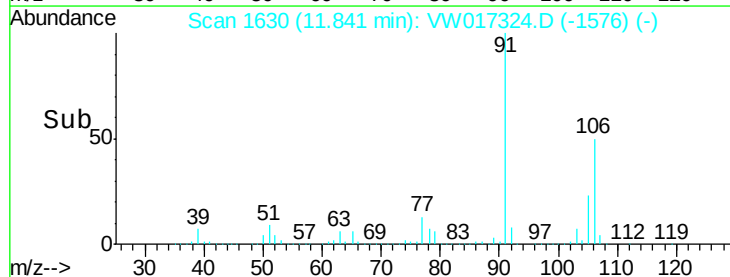
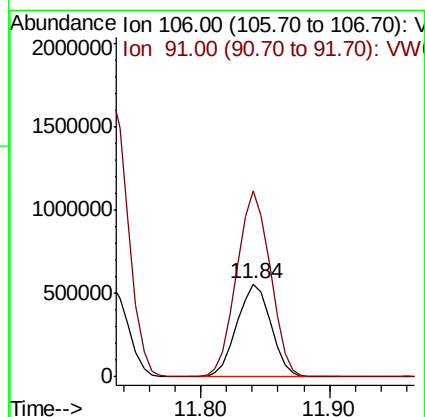
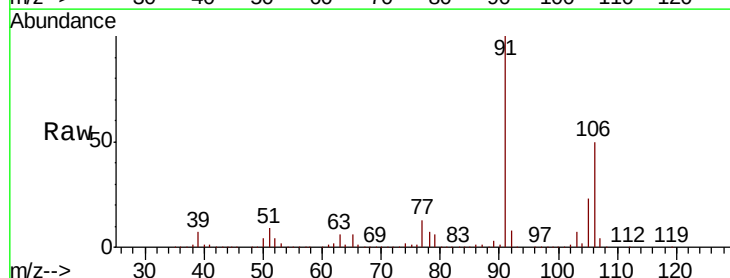
Acq: 18 Nov 2020 12:56

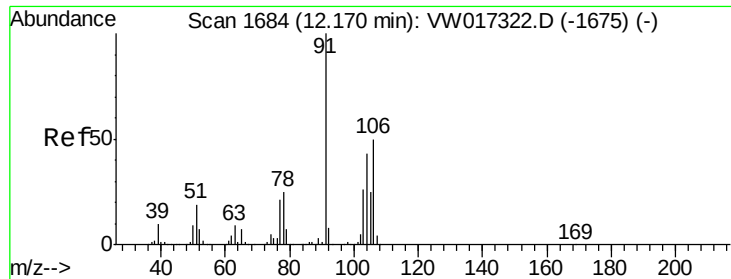
Tgt Ion: 106 Resp: 1019211

Ion Ratio Lower Upper

106 100

91 201.2 126.9 235.7





#55

o-xylene

Concen: 115.268 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampled :

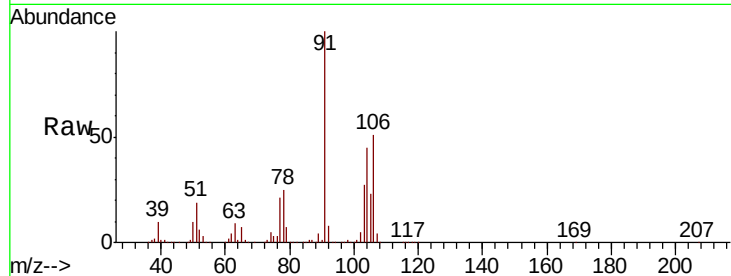
VSTD10003

Tot Ion:106 Resp: 1002986

Ion Ratio Lower Upper

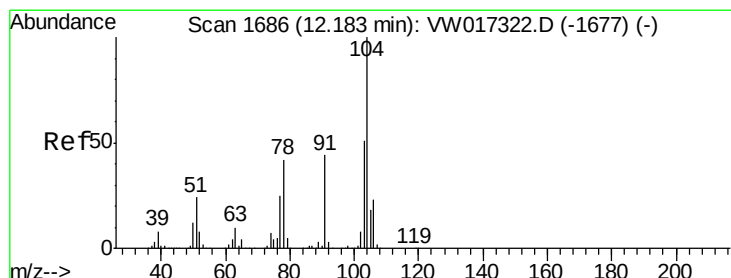
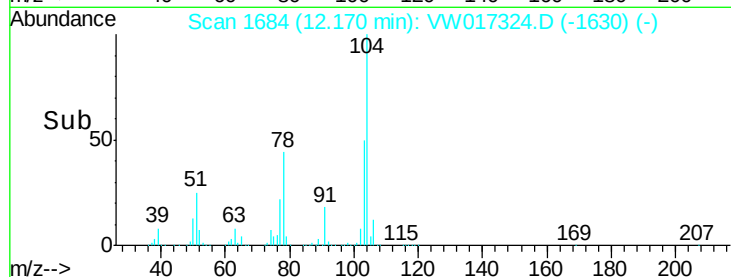
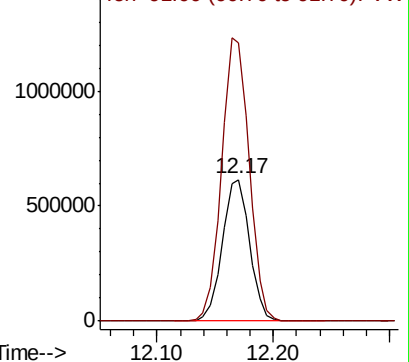
106 100

91 196.6 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 114.686 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017324.D

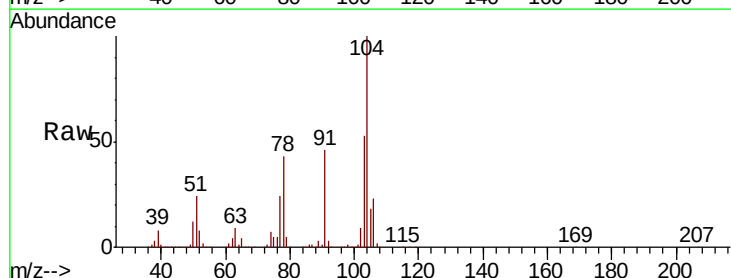
Acq: 18 Nov 2020 12:56

Tgt Ion:104 Resp: 1669543

Ion Ratio Lower Upper

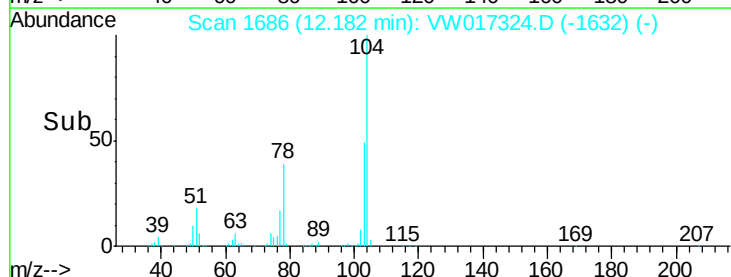
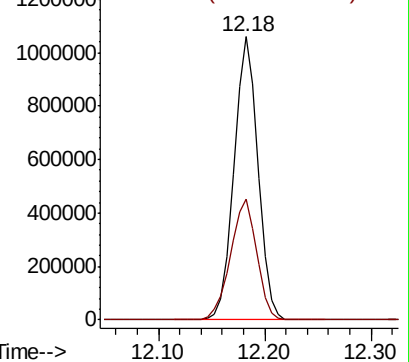
104 100

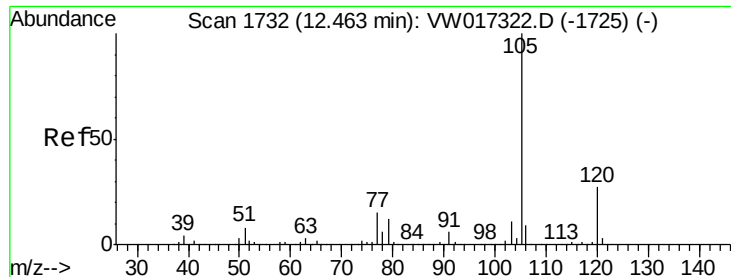
78 42.8 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 114.188 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

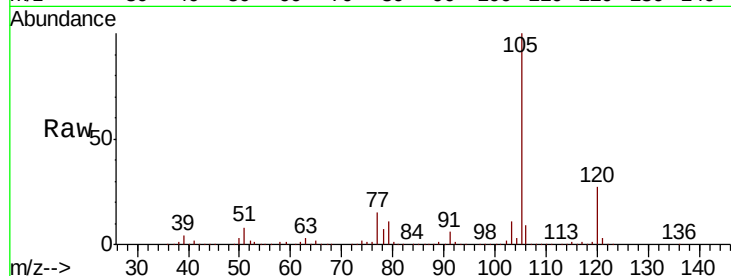
Tot Ion:105 Resp: 2706058

Ion Ratio Lower Upper

105 100

120 27.5 21.6 32.4

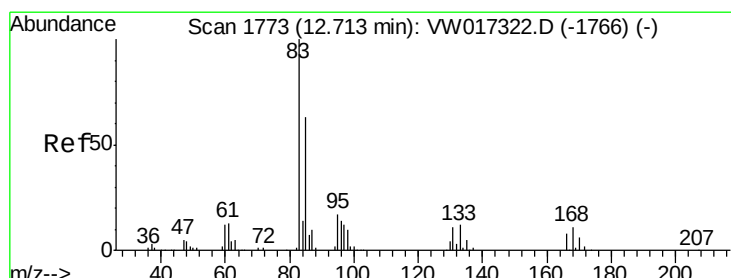
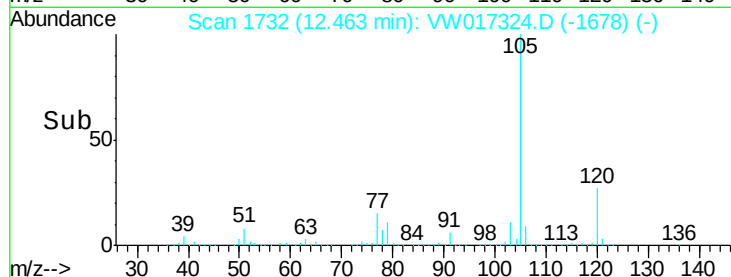
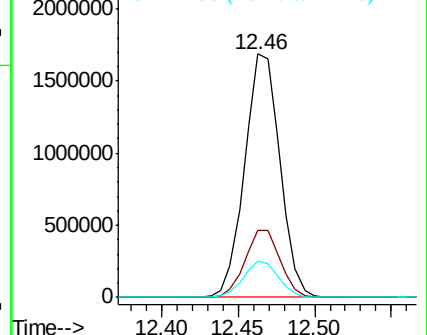
77 14.6 11.8 17.6



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: 87.221 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

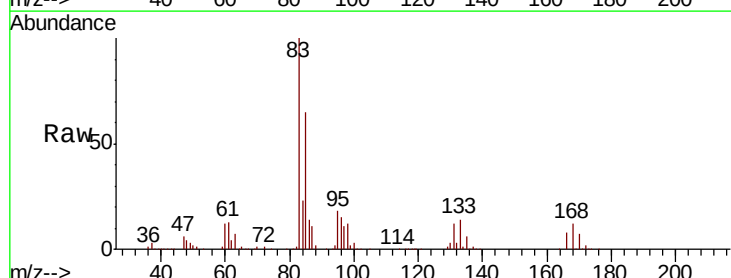
Tgt Ion: 83 Resp: 368805

Ion Ratio Lower Upper

83 100

85 65.2 44.2 82.0

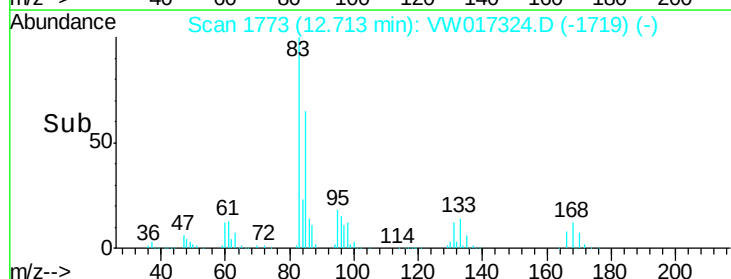
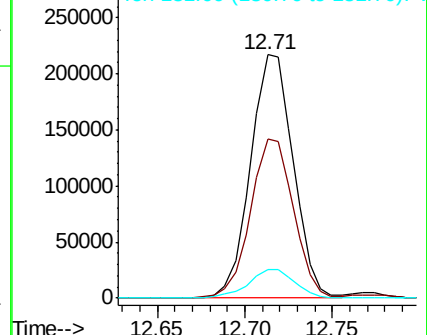
131 11.7 8.7 13.1

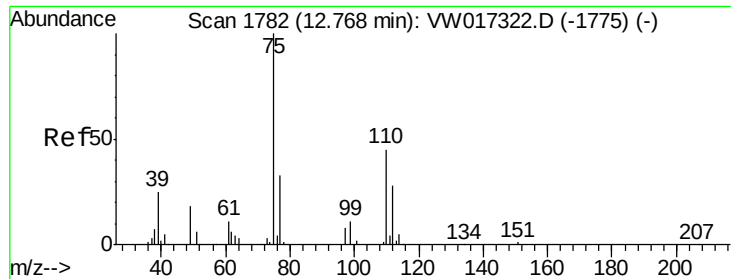


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 86.073 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

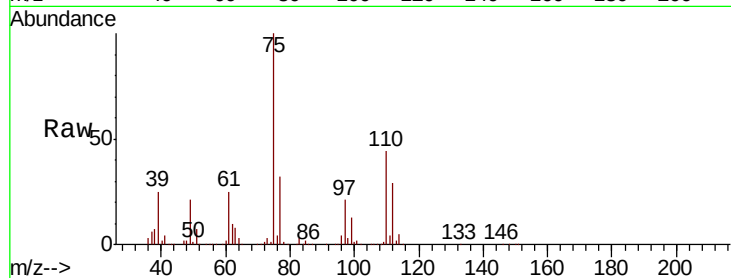
VSTD10003

Tot Ion: 75 Resp: 260989

Ion Ratio Lower Upper

75 100

77 32.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

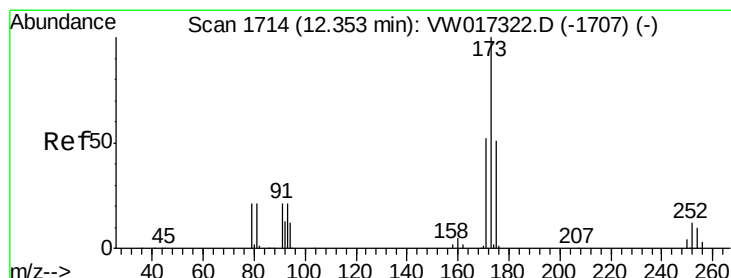
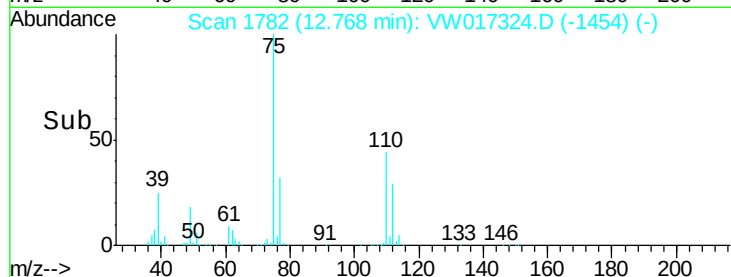
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 101.166 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

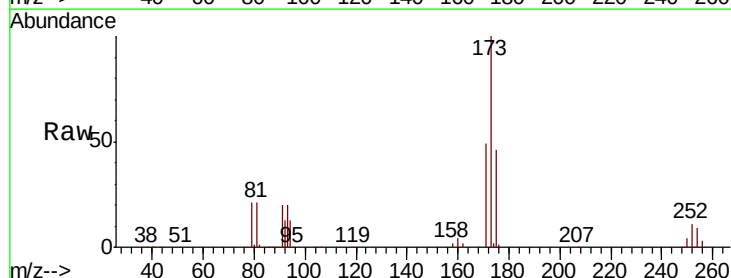
Tgt Ion: 173 Resp: 277378

Ion Ratio Lower Upper

173 100

175 48.0 40.0 60.0

254 10.4 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

200000

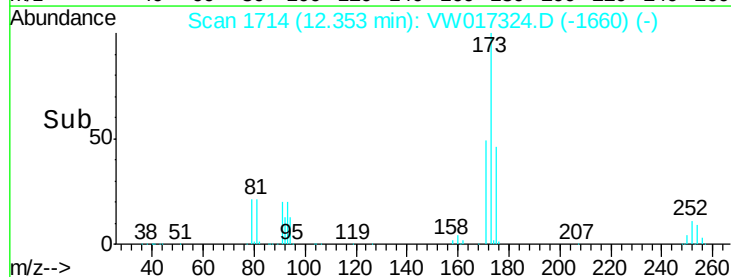
150000

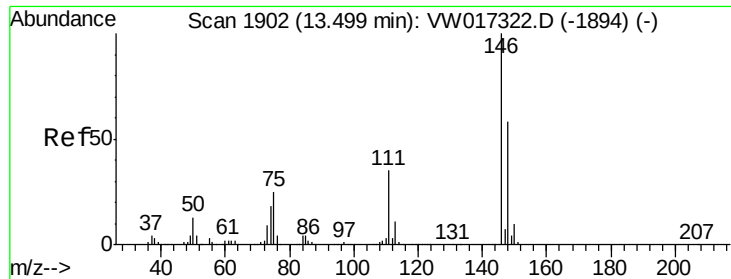
100000

50000

0

Time-->

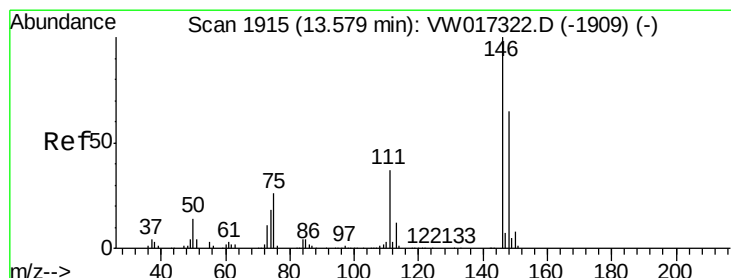
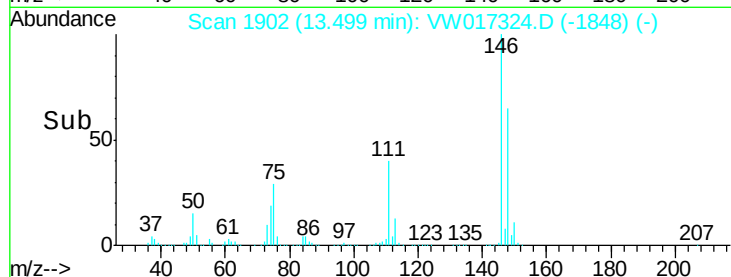
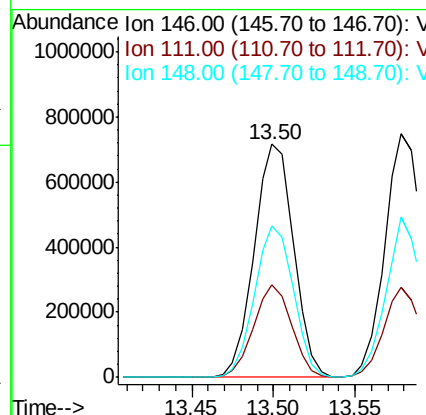
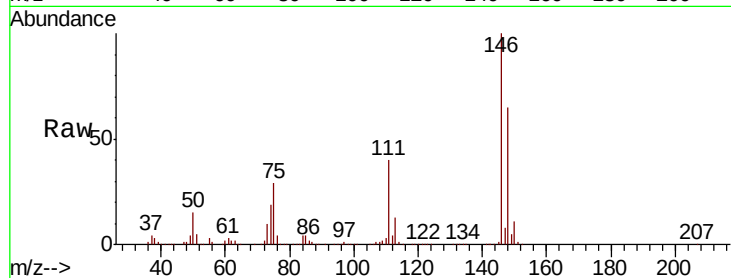




#63
 1,3-Dichlorobenzene
 Concen: 104.341 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

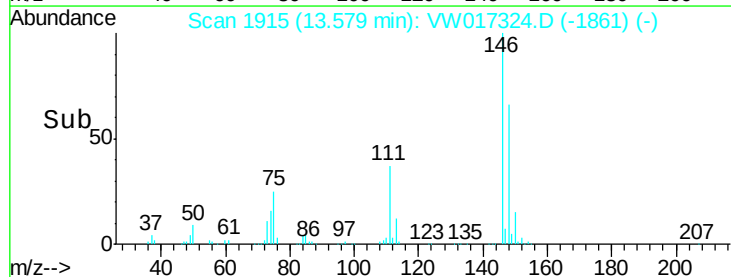
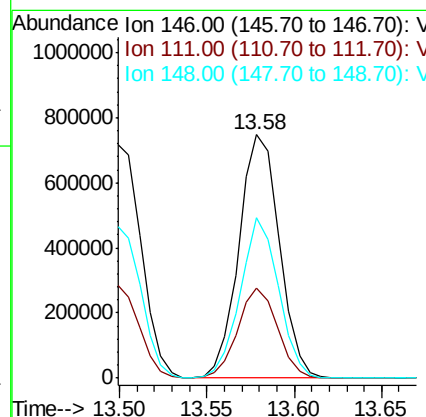
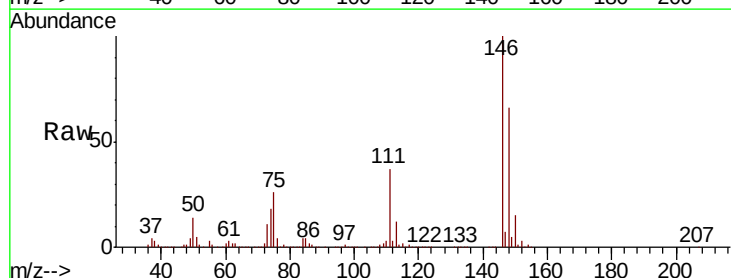
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

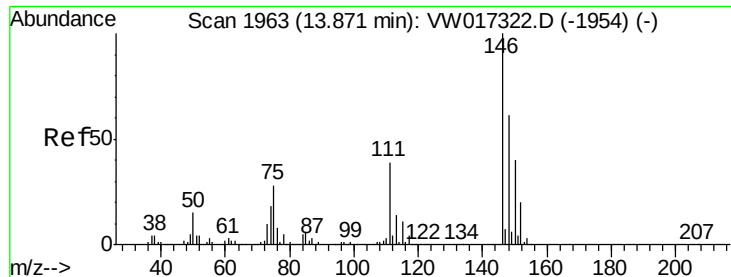
Tot Ion:146 Resp: 1205089
 Ion Ratio Lower Upper
 146 100
 111 39.8 24.5 45.5
 148 64.8 40.4 75.0



#64
 1,4-Dichlorobenzene
 Concen: 104.035 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Tgt Ion:146 Resp: 1202650
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.2 48.8
 148 66.1 45.2 84.0

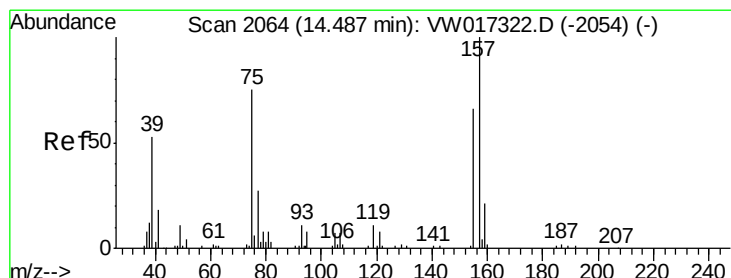
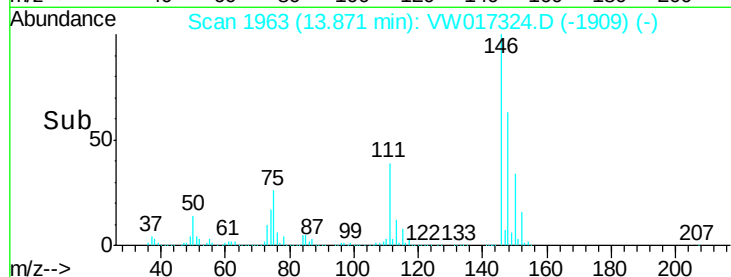
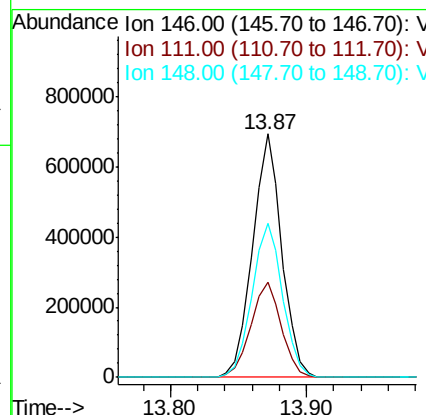
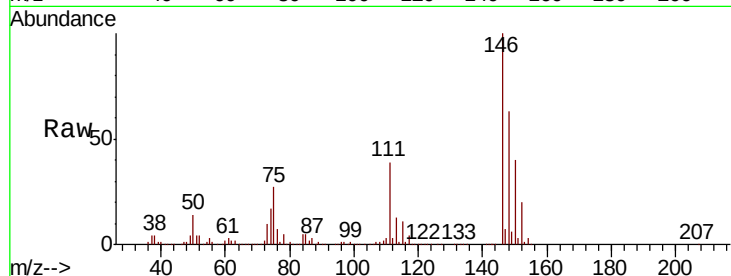




#65
 1,2-Dichlorobenzene
 Concen: 102.132 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

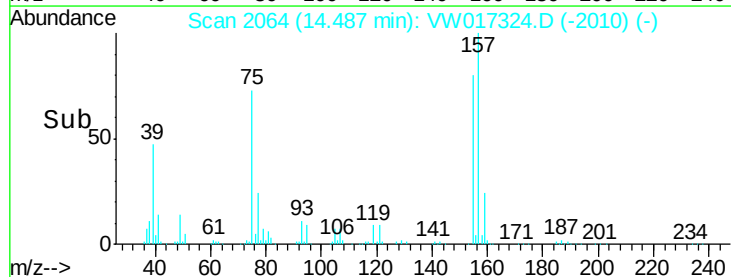
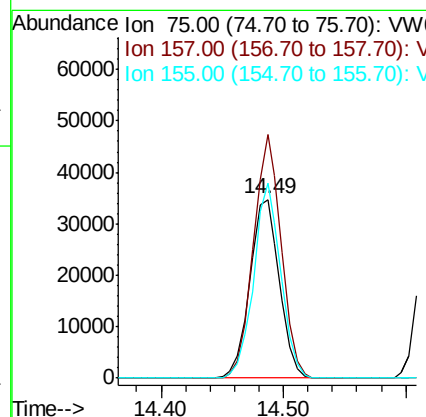
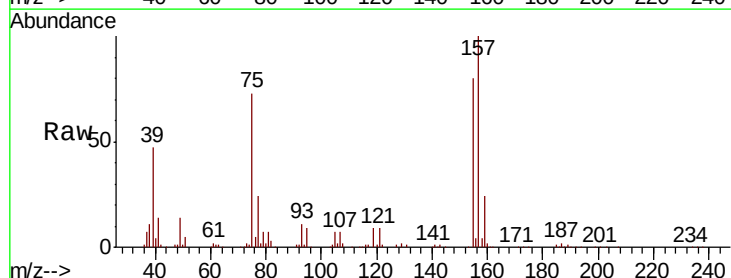
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

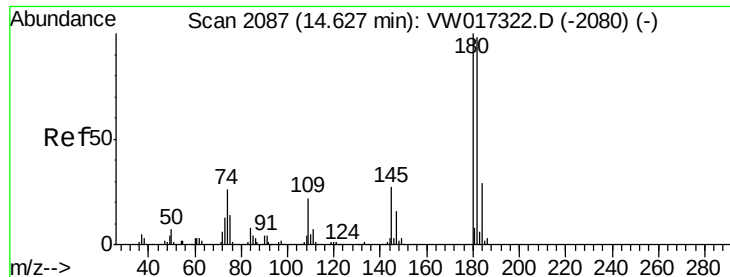
Tot Ion:146 Resp: 1045213
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.8 46.2
 148 63.2 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 89.089 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Tgt Ion: 75 Resp: 57991
 Ion Ratio Lower Upper
 75 100
 157 136.5 106.7 160.1
 155 109.6 70.6 106.0#

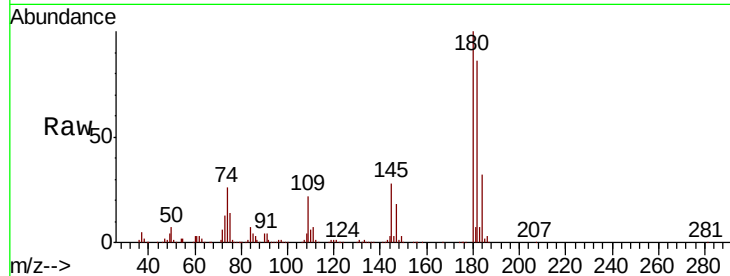




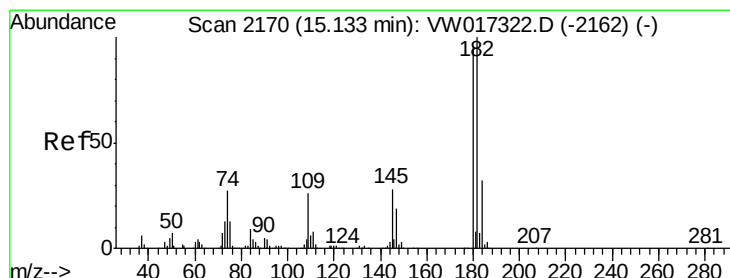
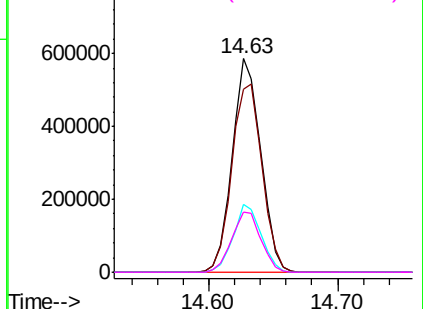
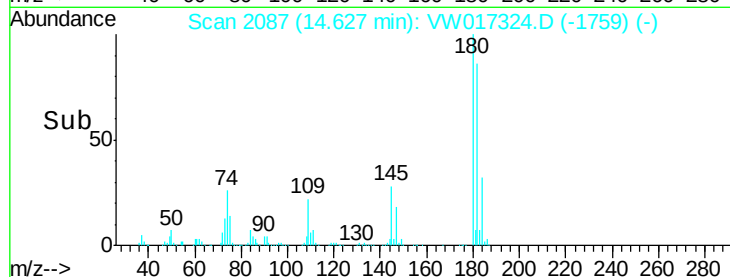
#67
 1,3,5-Trichlorobenzene
 Concen: 106.596 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Tot Ion:180	Resp:	902919
Ion	Ratio	Lower Upper
180	100	
182	93.4	76.8 115.2
184	31.0	23.9 35.9
145	29.0	22.6 33.8

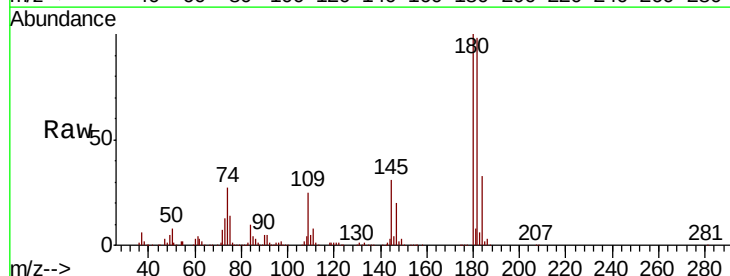


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

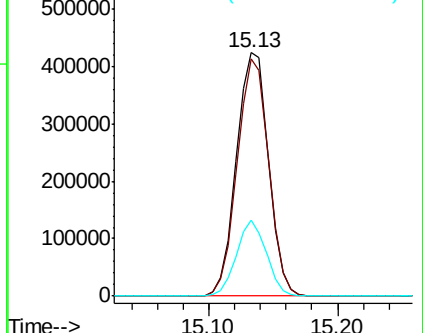
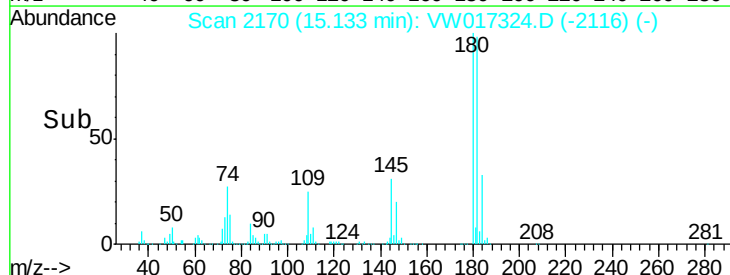


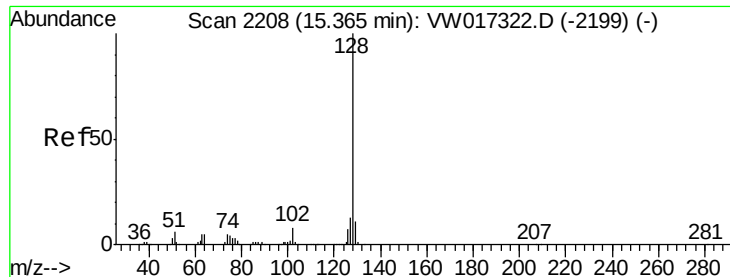
#68
 1,2,4-trichlorobenzene
 Concen: 109.629 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017324.D
 Acq: 18 Nov 2020 12:56

Tgt Ion:180	Resp:	729109
Ion	Ratio	Lower Upper
180	100	
182	95.5	77.0 115.6
145	29.1	22.9 34.3



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: 97.503 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

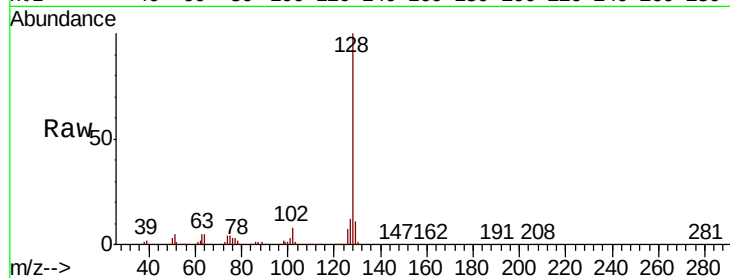
Tot Ion:128 Resp: 1128438

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

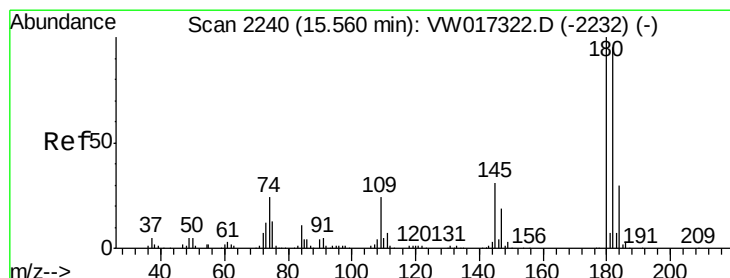
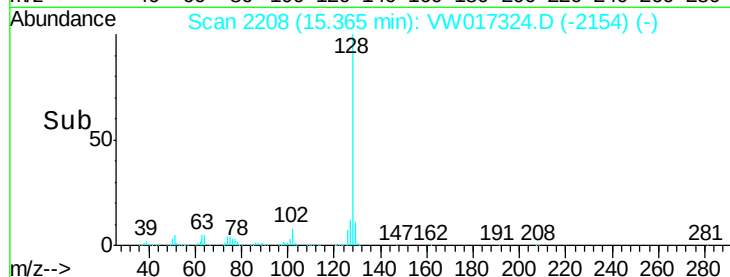
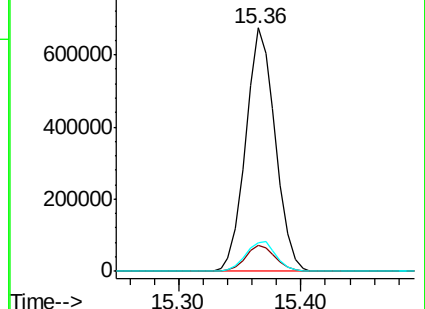
127 12.8 10.4 15.6



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: 105.666 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017324.D

Acq: 18 Nov 2020 12:56

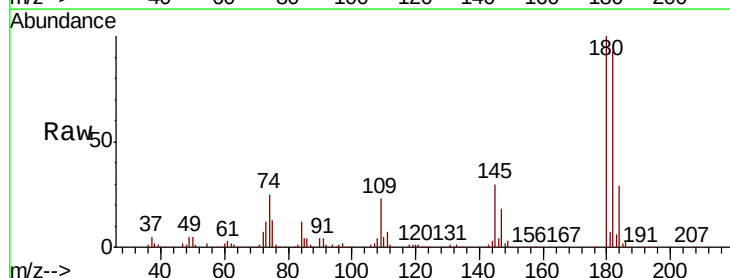
Tgt Ion:180 Resp: 633141

Ion Ratio Lower Upper

180 100

182 94.7 78.6 118.0

145 31.1 25.4 38.0



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

